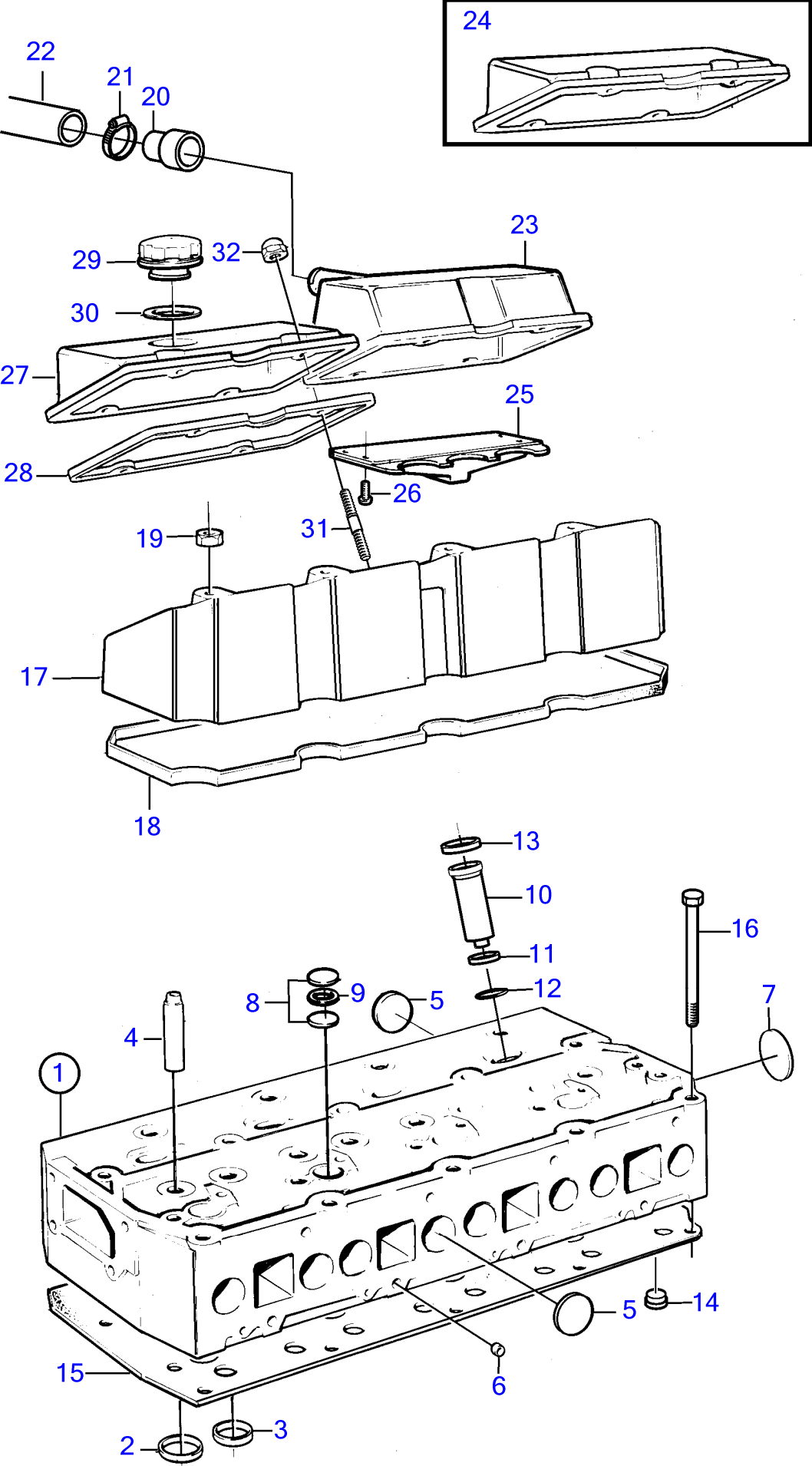
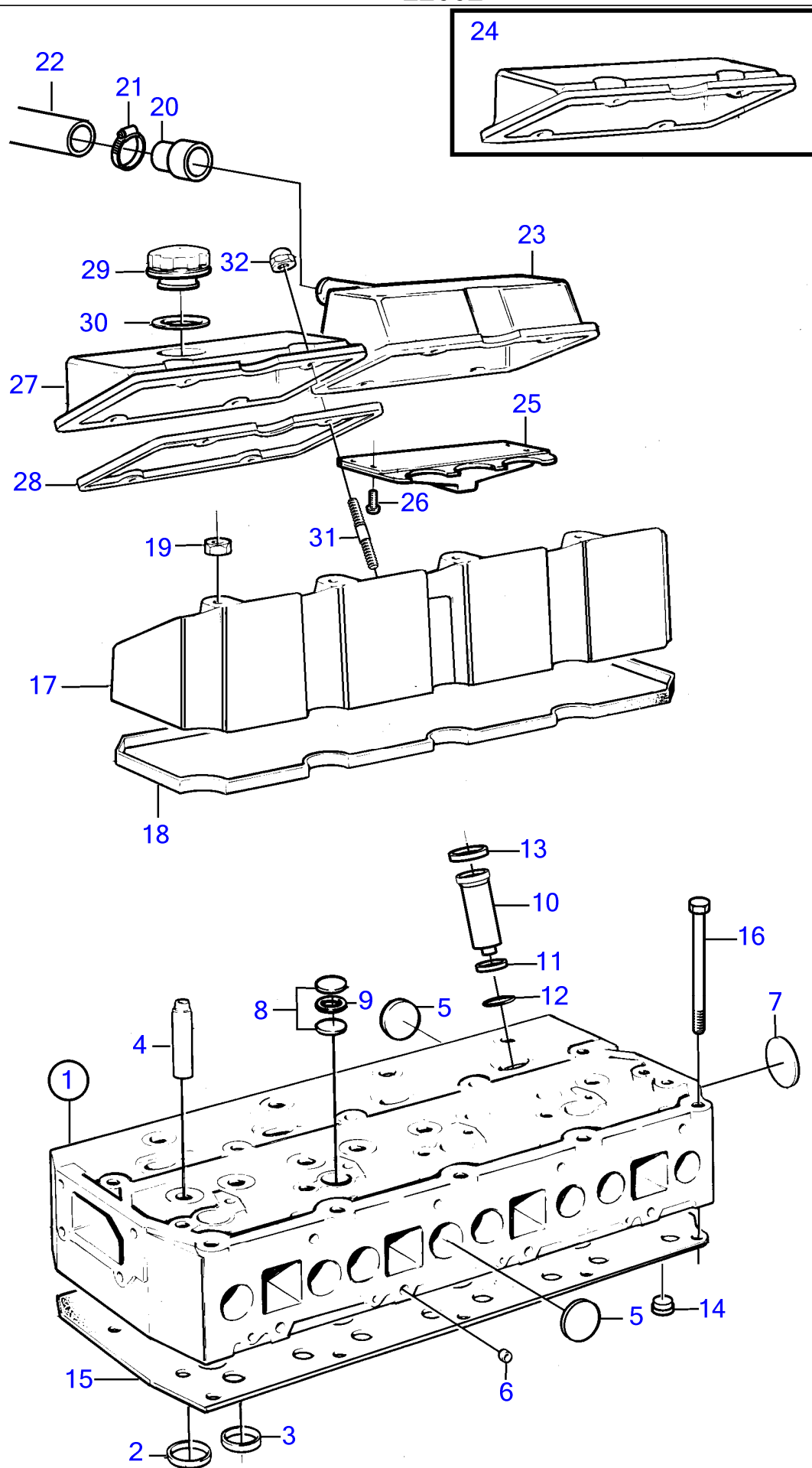




21 Cylinder Head: A

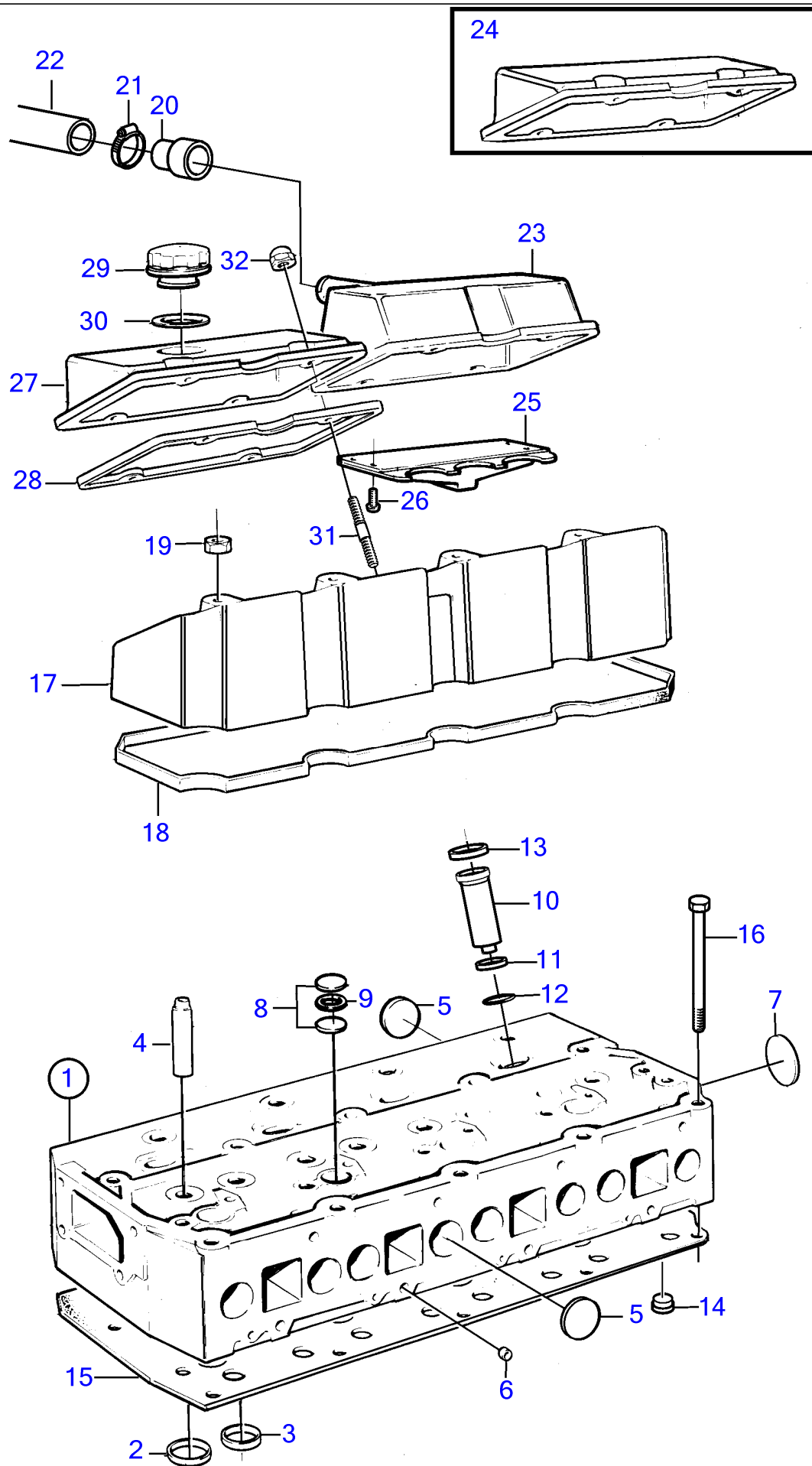
AD31L-A, TAMD31L-A, TAMD31M-A, TMD31L-A

Ref	Part No.	Qty	Description	Notes
1	3803306	1	Cylinder head	SN-2203129975, (860646) SN2203129976-2203135150, (3581588) SN-2203129780, (861629) SN2203129781-2203135150, (3581552)
2	858331	4	• Valve seat, exhaust	
3	860035	4	• Valve seat, intake	
4	3582561	8	• Valve guide	
5	477026	9	• Expansion plug	
6	967853	8	• Cap plug	
7	968955	1	• Expansion plug	
8	967948	8	• Expansion plug	
9	949329	4	• Gasket	
10	861255	4	• Spray sleeve	SN-2203129975
	3581536	4	• Spray sleeve	SN2203129976-2203135150
11	838896	4	• Sealing ring	
12	838821	4	• O-ring	
13	838619	4	• Retainer	
14	465420	4	• Jet	
15	3582432	1	Cylinder head gasket	
16	838775	19	Flange screw	
17	(838648)	1	Valve cover	Obsolete part
18	838652	1	Gasket	
19	945408	4	Flange nut	
20	861114	1	Protecting sleeve	Not for SOLAS
	861114	1	Protecting sleeve	Not for SOLAS
21	943472	1	Hose clamp	
22	946234	X	Tube	L=720mm not for SOLAS
23	860541	1	Valve cover	Not for SOLAS, Replaced by 860542, 860601 & 977771
	860542	1	• Valve cover	
24	838650	1	Valve cover	SOLAS
25	860601	1	Insert	Not for SOLAS
26	977771	4	Flange screw	
27	(838651)	1	Valve cover	Obsolete part
28	838654	2	Gasket	
29	1275403	1	Oil filler cap	
30	1275379	1	Gasket	
31	1542380	8	Stud	
32	968458	8	Flange cap nut	



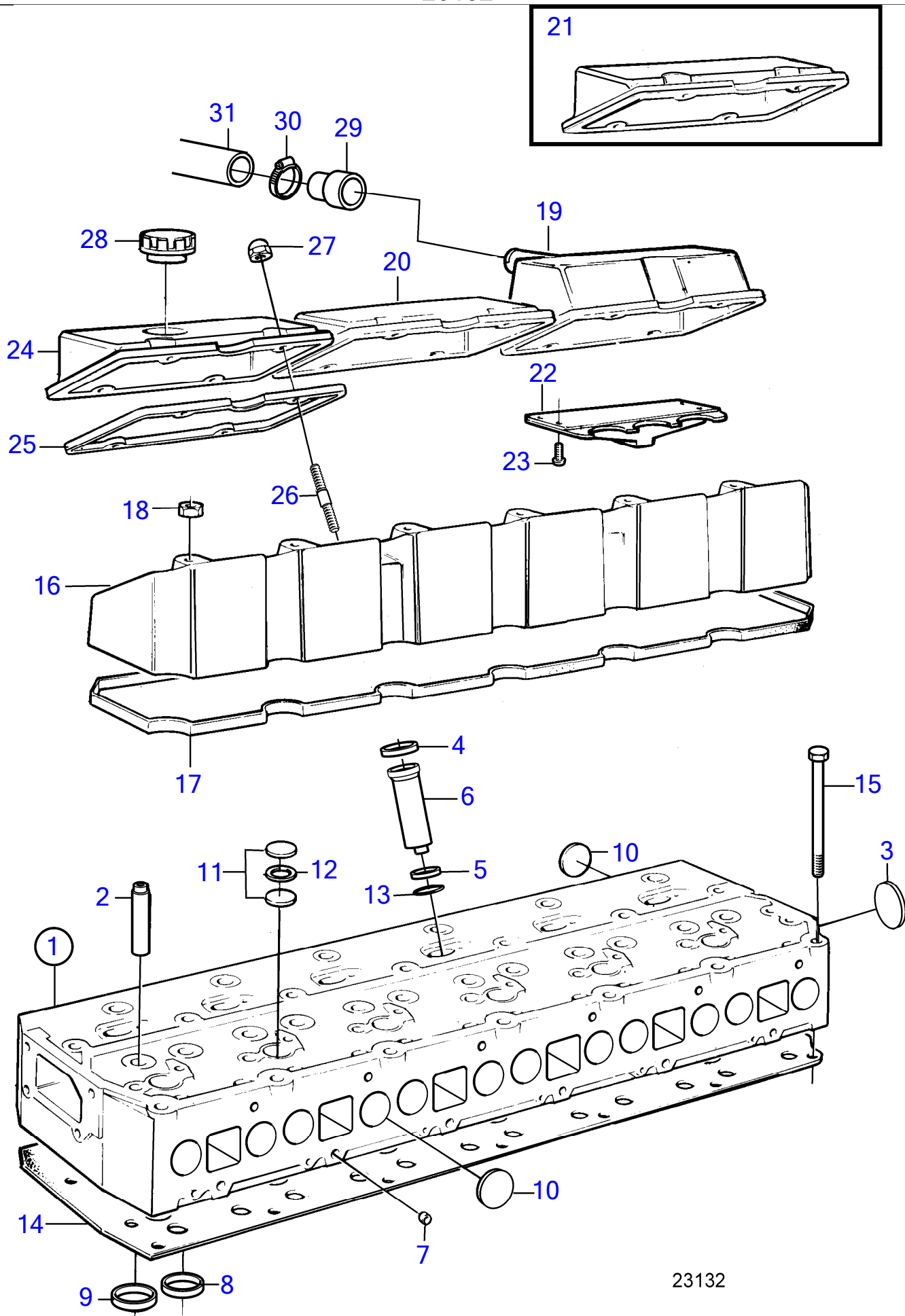
21 Cylinder Head: B
AD31P-A, TAMD31P-A

Ref	Part No.	Qty	Description	Notes
1	3803306	1	Cylinder head	SN-2203129975, (860646)
2	858331	4	• Valve seat, exhaust	
3	860035	4	• Valve seat, intake	
4	3582561	8	• Valve guide	
5	477026	9	• Expansion plug	
6	967853	8	• Cap plug	
7	968955	1	• Expansion plug	
8	967948	8	• Expansion plug	
9	949329	4	• Gasket	
10	3581536	4	• Spray sleeve	
11	838896	4	• Sealing ring	
12	838821	4	• O-ring	
13	838619	4	• Retainer	
14	465420	4	• Jet	
15	3582432	1	Cylinder head gasket	
16	838775	19	Flange screw	
17	(838648)	1	Valve cover	Obsolete part
18	838652	1	Gasket	
19	945408	4	Flange nut	
20	861114	1	Protecting sleeve	Not for SOLAS
	861114	1	Protecting sleeve	Not for SOLAS
21	943472	1	Hose clamp	
22	946234	X	Tube	L=720mm not for SOLAS
23	860541	1	Valve cover	Not for SOLAS, Replaced by 860542, 860601 & 977771
	860542	1	• Valve cover	
25	860601	1	Insert	Not for SOLAS
26	977771	4	Flange screw	
27	(838651)	1	Valve cover	Obsolete part
28	838654	2	Gasket	
29	1275403	1	Oil filler cap	
30	1275379	1	Gasket	
31	1542380	8	Stud	
32	968458	8	Flange cap nut	



21 Cylinder Head: C
TAMD31S-A

Ref	Part No.	Qty	Description	Notes
1	3803306	1	Cylinder head	SN-2203129975, (860646)
2	858331	4	• Valve seat, exhaust	
3	860035	4	• Valve seat, intake	
4	3582561	8	• Valve guide	
5	477026	9	• Expansion plug	
6	967853	8	• Cap plug	
7	968955	1	• Expansion plug	
8	967948	8	• Expansion plug	
9	949329	4	• Gasket	
10	3581536	4	• Spray sleeve	
11	838896	4	• Sealing ring	
12	838821	4	• O-ring	
13	838619	4	• Retainer	
14	465420	4	• Jet	
15	3582432	1	Cylinder head gasket	
16	838775	19	Flange screw	
17	(838648)	1	Valve cover	Obsolete part
18	838652	1	Gasket	
19	945408	4	Flange nut	
20	861114	1	Protecting sleeve	Not for SOLAS
	861114	1	Protecting sleeve	Not for SOLAS
21	943472	1	Hose clamp	
22	946234	X	Tube	L=720mm not for SOLAS
23	860541	1	Valve cover	Not for SOLAS, Replaced by 860542, 860601 & 977771
	860542	1	• Valve cover	
25	860601	1	Insert	Not for SOLAS
26	977771	4	Flange screw	
27	(838651)	1	Valve cover	Obsolete part
28	838654	2	Gasket	
29	1275403	1	Oil filler cap	
30	1275379	1	Gasket	
31	1542380	8	Stud	
32	968458	8	Flange cap nut	

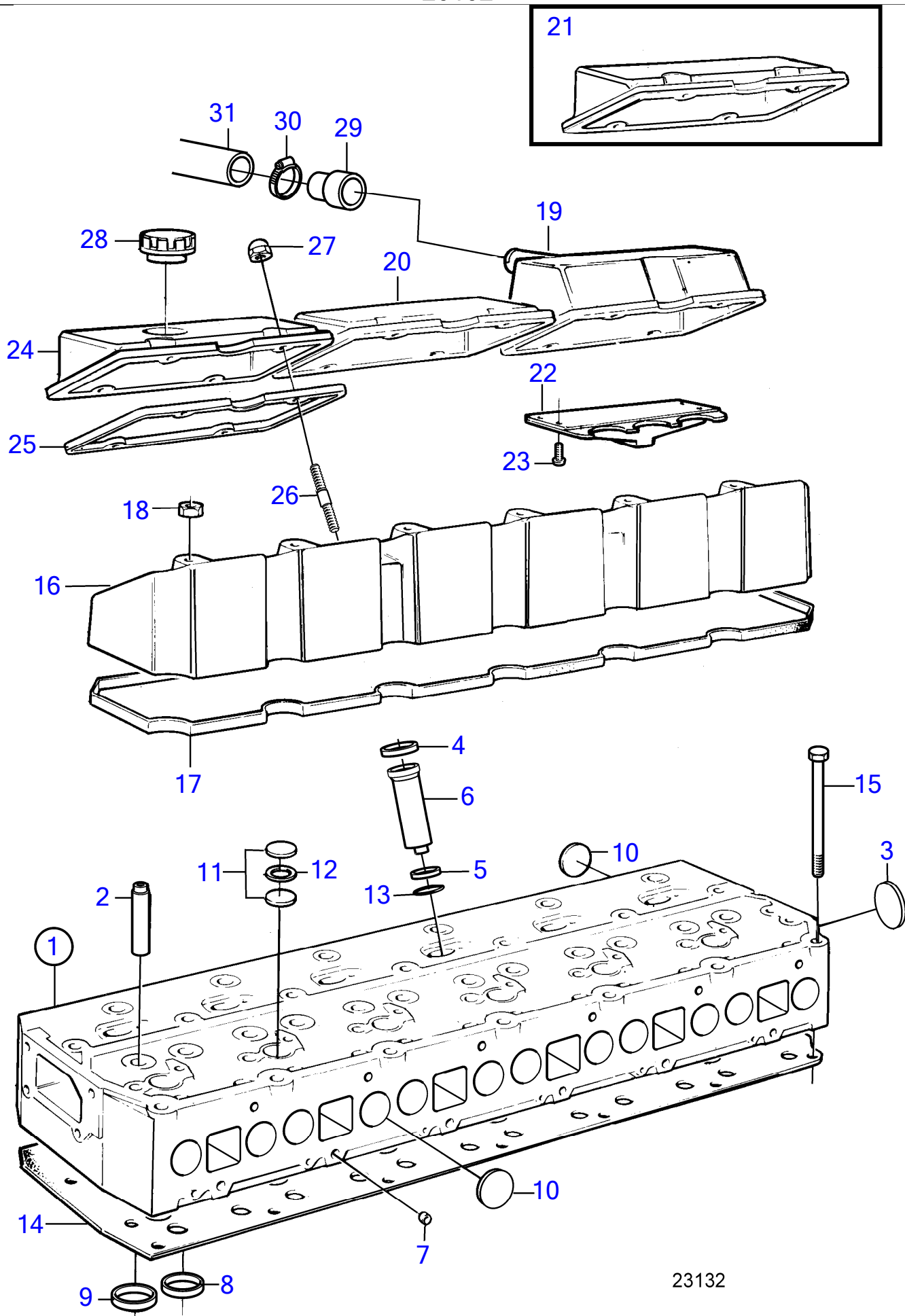


23132

21 Cylinder Head: A

TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

Ref	Part No.	Qty	Description	Notes
1	861300	1	Cylinder head	SN-2204158807, Repl by 3581554
	3581554	1	Cylinder head	SN2204158808-2204168098, Repl by 3583900
	3583900	1	Cylinder head	SN2204168099-, Replaced by 3803308
	3803308	1	Cylinder head, exch	SN2204168099-, Replaced by 3803308
	3803308	1	Cylinder head	
2	3582561	12	• Valve guide	
3	968955	1	• Expansion plug	
4	838619	6	• Retainer	
5	838896	6	• Sealing ring	
6	861255	6	• Spray sleeve	SN-2204158807, For cylinder head 861300
	3581536	6	• Spray sleeve	SN2204158808-
7	967853	12	• Cap plug	
8	858331	6	• Valve seat, exhaust	
9	860035	6	• Valve seat, intake	
10	477026	13	• Expansion plug	
11	967948	12	• Expansion plug	
12	949329	6	• Gasket	
13	838821	6	• O-ring	
14	3583786	1	Cylinder head gasket	
15	838775	27	Flange screw	
16	838649	1	Valve cover	
17	838653	1	Gasket	
18	945408	4	Flange nut	
19	860541	1	Valve cover	Not for SOLAS, Replaced by 860542, 860601 & 977771
	860542	1	• Valve cover	
20	838650	1	Valve cover	
21	838650	1	Valve cover	SOLAS
22	860601	1	Insert	
23	977771	4	Flange screw	
24	(838651)	1	Valve cover	Obsolete part
25	838654	3	Gasket	
26	1542380	12	Stud	
27	968458	12	Flange cap nut	
28	1275403	1	Oil filler cap	
29	861114	1	Protecting sleeve	Not for SOLAS
30	943472	1	Hose clamp	Not for SOLAS
31	946234	X	Tube	L=670mm not for SOLAS

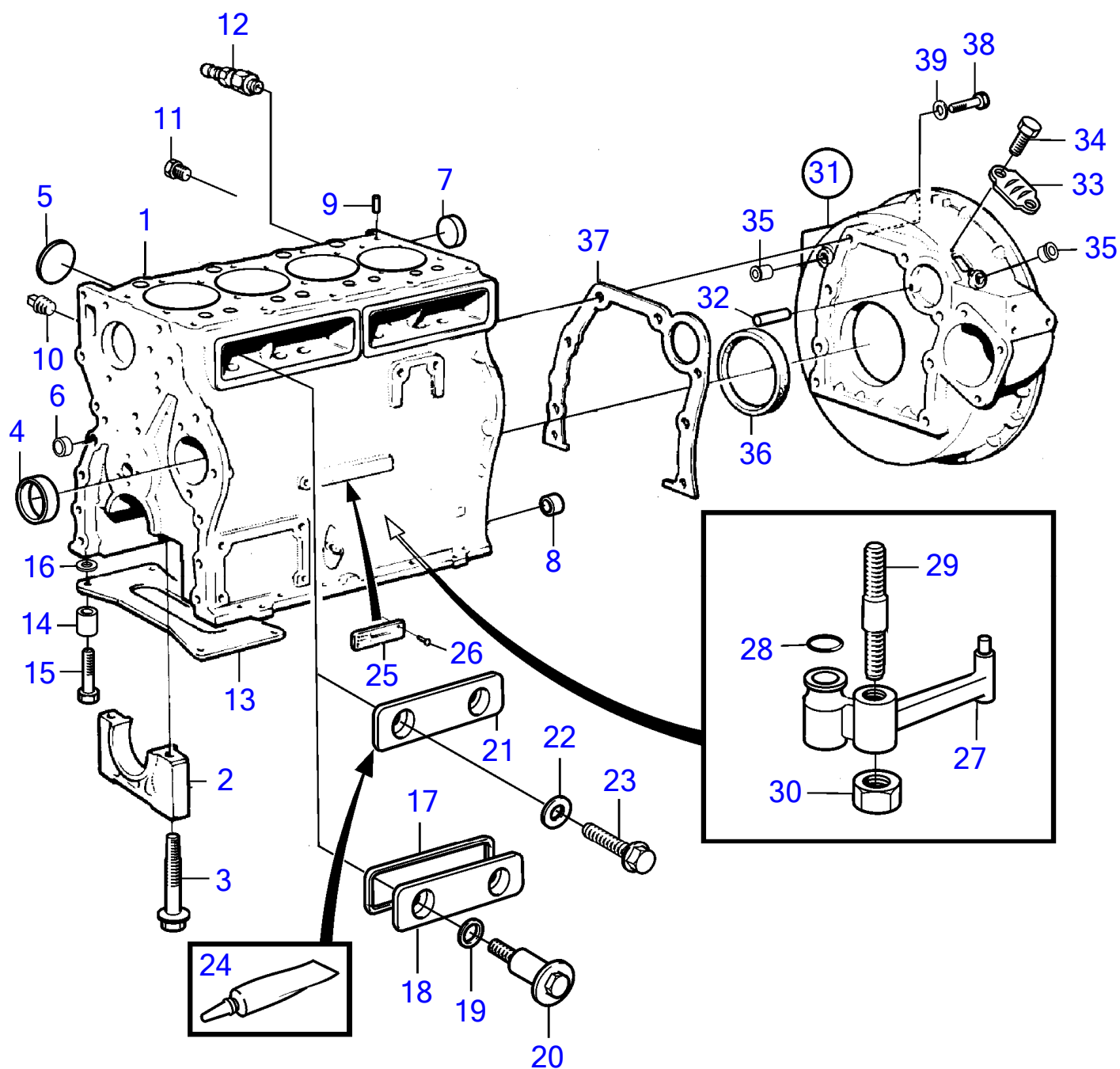


23132

21 Cylinder Head: B

AD41L-A, AD41P-A, D41L-A

Ref	Part No.	Qty	Description	Notes
1	861300	1	Cylinder head	SN-2204158807, Repl by 3581554
	3581554	1	Cylinder head	SN2204158808-2204168098, Repl by 3583900
	3583900	1	Cylinder head	SN2204168099-, Replaced by 3803308
	3803308	1	Cylinder head, exch	SN2204168099-, Replaced by 3803308
	3803308	1	Cylinder head	
2	3582561	12	• Valve guide	
3	968955	1	• Expansion plug	
4	838619	6	• Retainer	
5	838896	6	• Sealing ring	
6	861255	6	• Spray sleeve	SN-2204158807, For cylinder head 861300
	3581536	6	• Spray sleeve	SN2204158808-
7	967853	12	• Cap plug	
8	858331	6	• Valve seat, exhaust	
9	860035	6	• Valve seat, intake	
10	477026	13	• Expansion plug	
11	967948	12	• Expansion plug	
12	949329	6	• Gasket	
13	838821	6	• O-ring	
14	3583786	1	Cylinder head gasket	
15	838775	27	Flange screw	
16	838649	1	Valve cover	
17	838653	1	Gasket	
18	945408	4	Flange nut	
19	860541	1	Valve cover	Not for SOLAS, Replaced by 860542, 860601 & 977771
	860542	1	• Valve cover	
20	838650	1	Valve cover	
22	860601	1	Insert	
23	977771	4	Flange screw	
24	(838651)	1	Valve cover	Obsolete part
25	838654	3	Gasket	
26	1542380	12	Stud	
27	968458	12	Flange cap nut	
28	1275403	1	Oil filler cap	
29	861114	1	Protecting sleeve	Not for SOLAS
30	943472	1	Hose clamp	Not for SOLAS
31	946234	X	Tube	L=670mm not for SOLAS

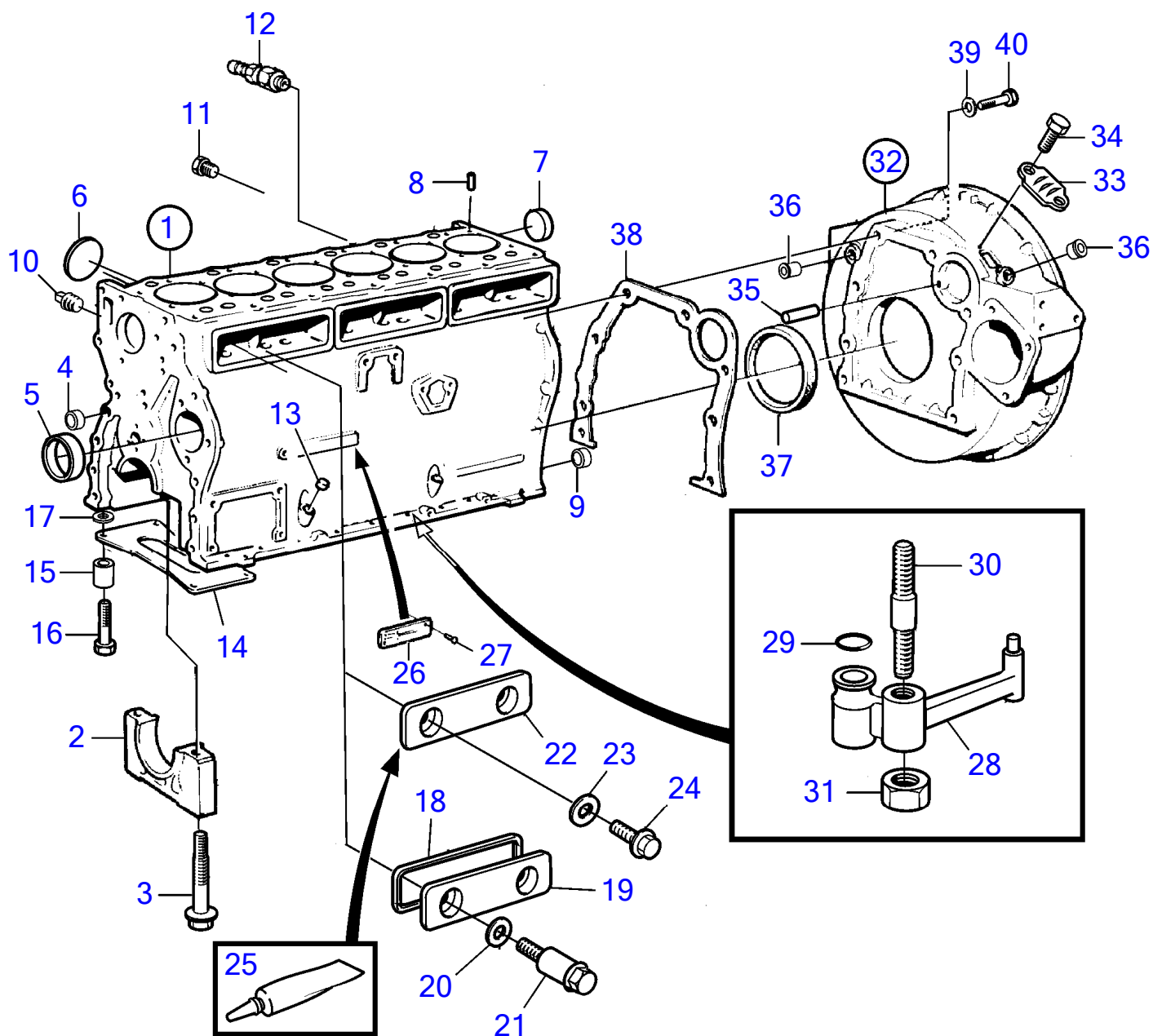


22694

21 Cylinder Block and Flywheel Housing

AD31L-A, TAMD31L-A, TAMD31M-A, TAMD31S-A, TMD31L-A

Ref	Part No.	Qty	Description	Notes
1	861015	1	Cylinder block	SN-2203133630
	3583851	1	Cylinder block	SN2203133631-2203135150
2		5	• Main bearing cap	
3	861005	10	• Screw	
4	1542067	5	• Camshaft bushing	
5	463905	2	• Expansion plug	
6	955083	4	• Cap plug	
7	968955	1	• Expansion plug	
8	415311	3	• Guide sleeve	
9	946402	2	• Grooved pin	
10	479977	1	Plug	
11	479979	2	Plug	
12	947893	1	Shut-off cock	
13	1545159	1	Foot plate	
14	1545160	4	Spacer sleeve	
15	965187	4	Flange screw	
16	3850090	4	Spacer	
17	1542052	2	Seal	Early type
18	1542050	2	Inspection lid	Early type
19	469846	4	Sealing ring	Early type
20	(859447)	4	Shoulder screw	Obsolete part, Early type, Use 3581324 with parts
21	3581324	2	Inspection lid	Late type
22	18666	4	Gasket	Late type
23	965185	4	Flange screw	Late type
24	1161277	X	Sealant	Late type
	1161231	X	Sealant	Late type
25		1	Sign	
26	950885	2	Drive screw	
27	1542320	4	Oil jet	Included in cylinder liner kit 3581714.
28	955981	4	O-ring	
29	1542380	4	Stud	
30	946035	4	Lock nut	
31	3581825	1	Flywheel housing	
32	404069	1	Pin	
33	407092	1	Cover	
34	967949	2	Flange screw	
35	860926	1	Plug	
36	3582851	1	Sealing ring	
37	829487	1	Gasket	
38	965185	6	Flange screw	L=40mm
	965220	2	Flange screw	L=45mm
39	941908	8	Spring washer	

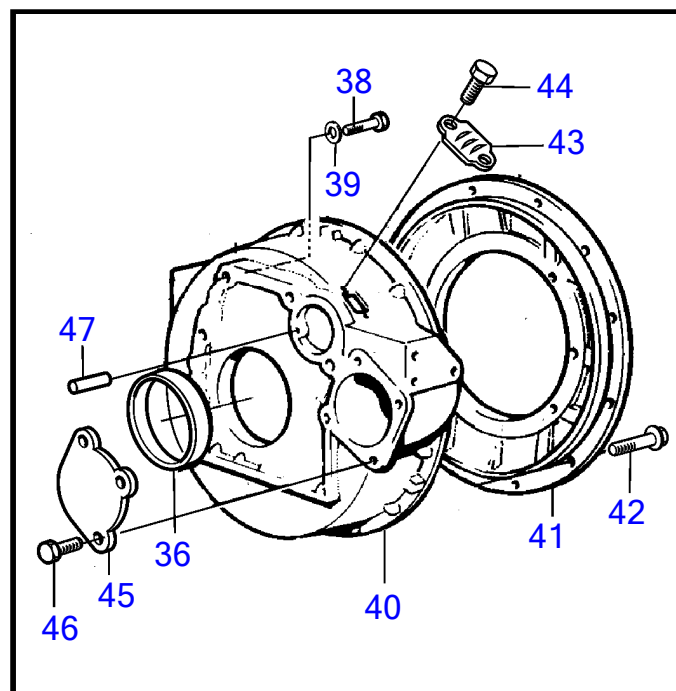
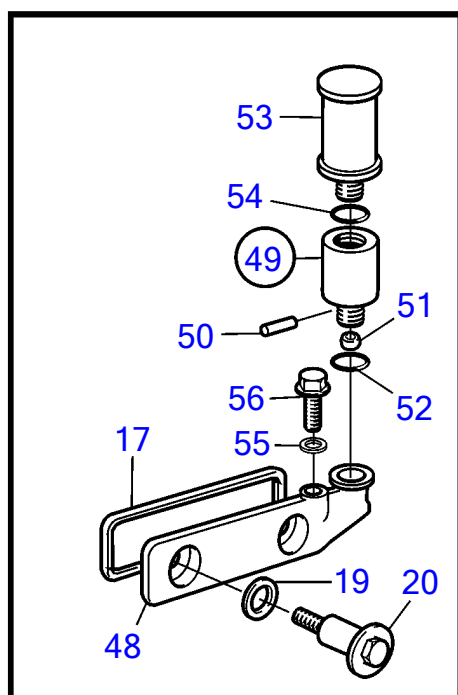
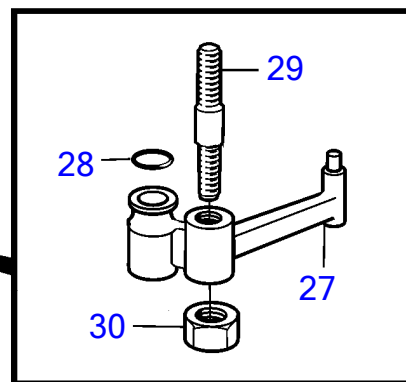
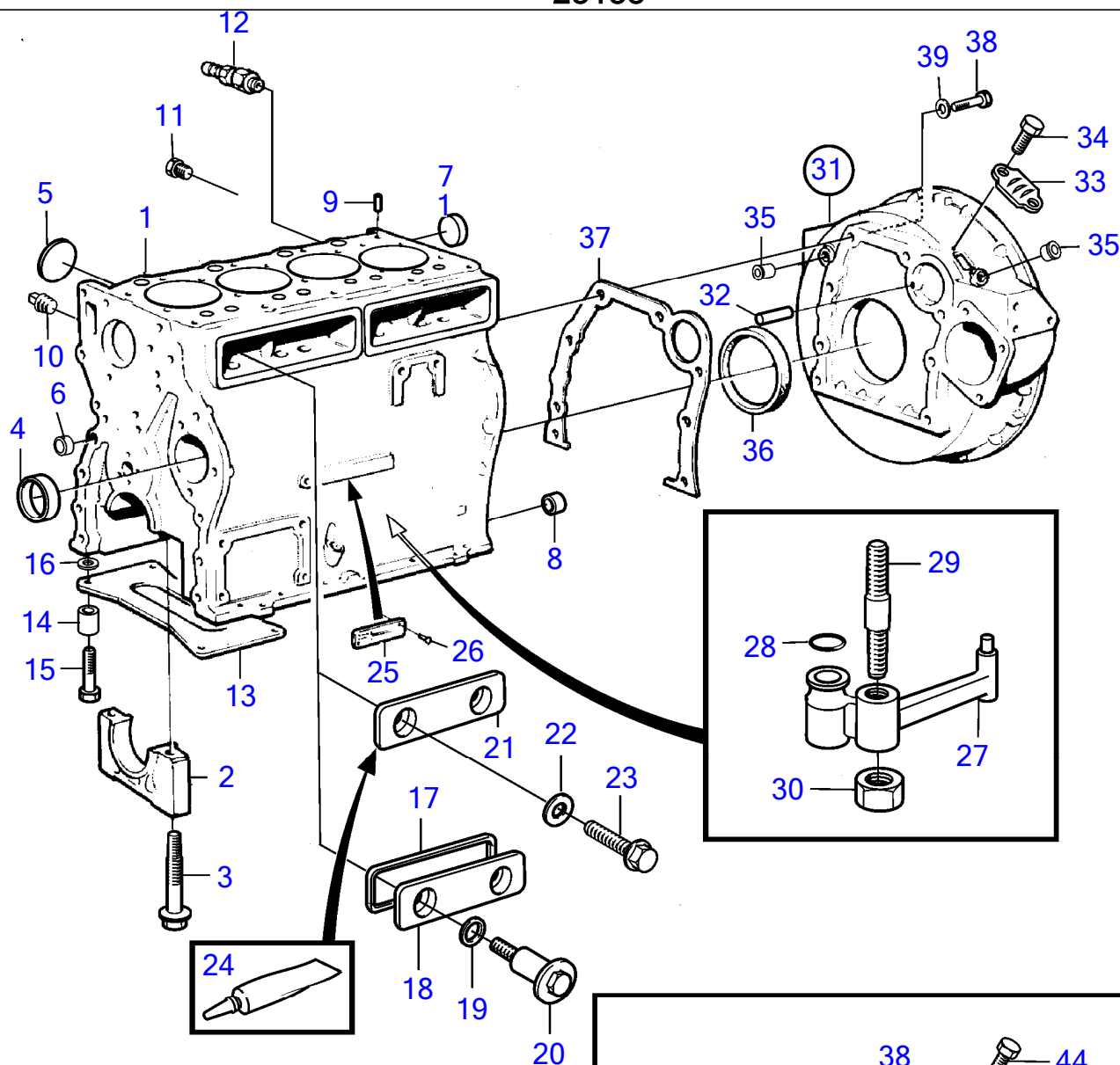


23082

21 Cylinder Block and Flywheel Housing

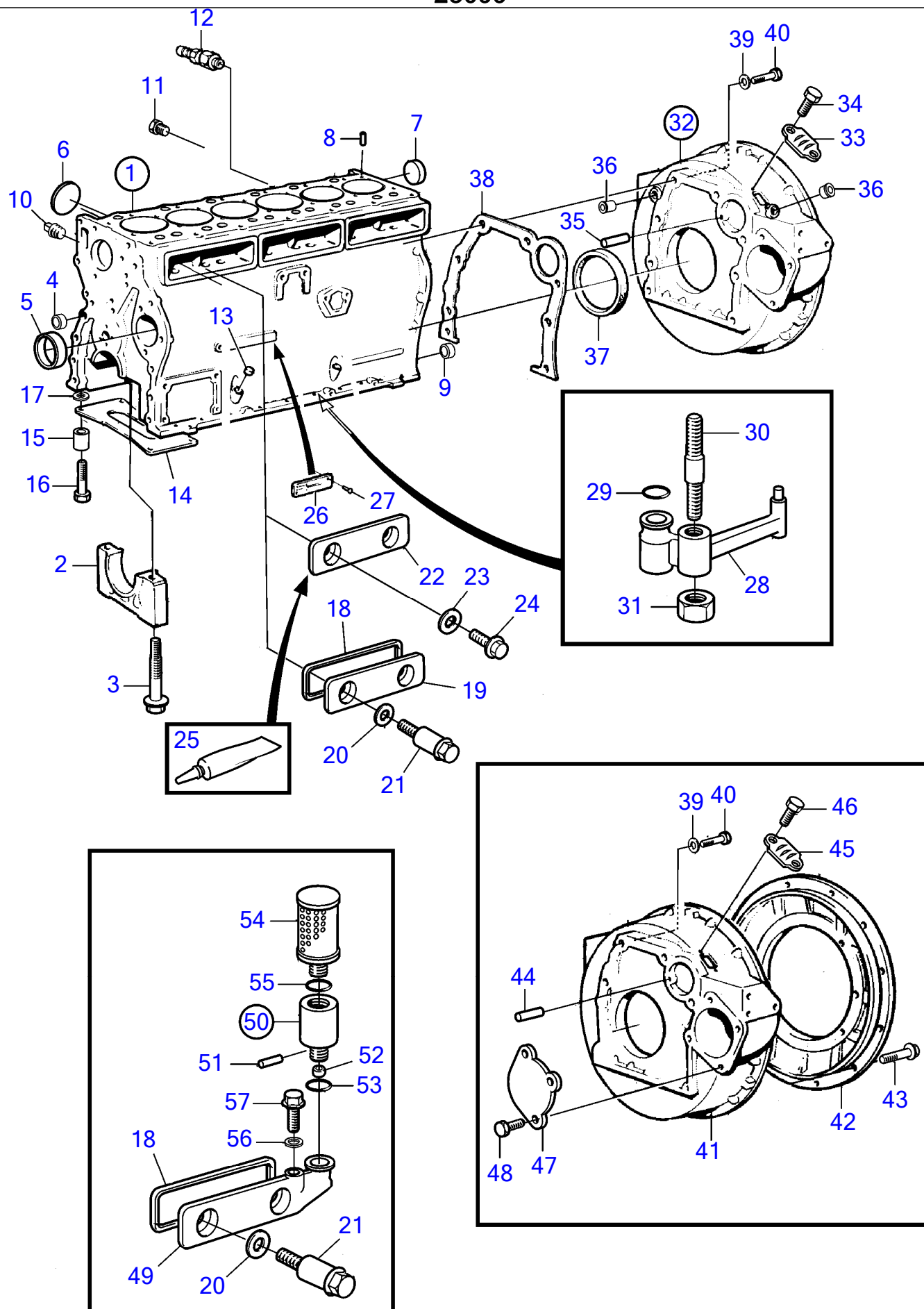
AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

Ref	Part No.	Qty	Description	Notes
1	861690	1	Cylinder block	SN-2204164415
	3583103	1	Cylinder block	SN2204164416-2204168098
2		7	• Main bearing cap	
3	861005	14	• Screw	
4	955083	4	• Cap plug	
5	1542067	7	• Camshaft bushing	
6	463905	5	• Expansion plug	
7	968955	1	• Expansion plug	
8	946402	2	• Grooved pin	
9	415311	3	• Guide sleeve	
10	479977	2	Plug	
11	479979	3	Plug	
12	947893	1	Shut-off cock	
13	955082	1	Cap plug	
14	1545159	1	Foot plate	
15	1545160	4	Spacer sleeve	
16	965187	4	Flange screw	
17	3850090	4	Spacer	
18	1542052	3	Seal	Early type
19	1542050	3	Inspection lid	Early type
20	469846	6	Sealing ring	Early type
21	(859447)	6	Shoulder screw	Obsolete part, Early type, Use 3581324 with parts
22	3581324	3	Inspection lid	Late type
23	18666	6	Gasket	Late type
24	965185	6	Flange screw	Late type
25	1161277	X	Sealant	Late type
	1161231	X	Sealant	Late type
26		1	Sign	
27	950885	2	Drive screw	
28	1542320	6	Oil jet	Included in cylinder liner kit 3581714.
29	955981	6	O-ring	
30	1542380	6	Stud	
31	946035	6	Lock nut	
32	3581825	1	Flywheel housing	
33	407092	1	Cover	
34	967949	2	Flange screw	
35	404069	1	Pin	
36	860926	2	Plug	
37	3582851	1	Sealing ring	
38	829487	1	Gasket	
39	941908	8	Spring washer	
40	965185	6	Flange screw	L=40mm
	965220	2	Flange screw	L=45mm



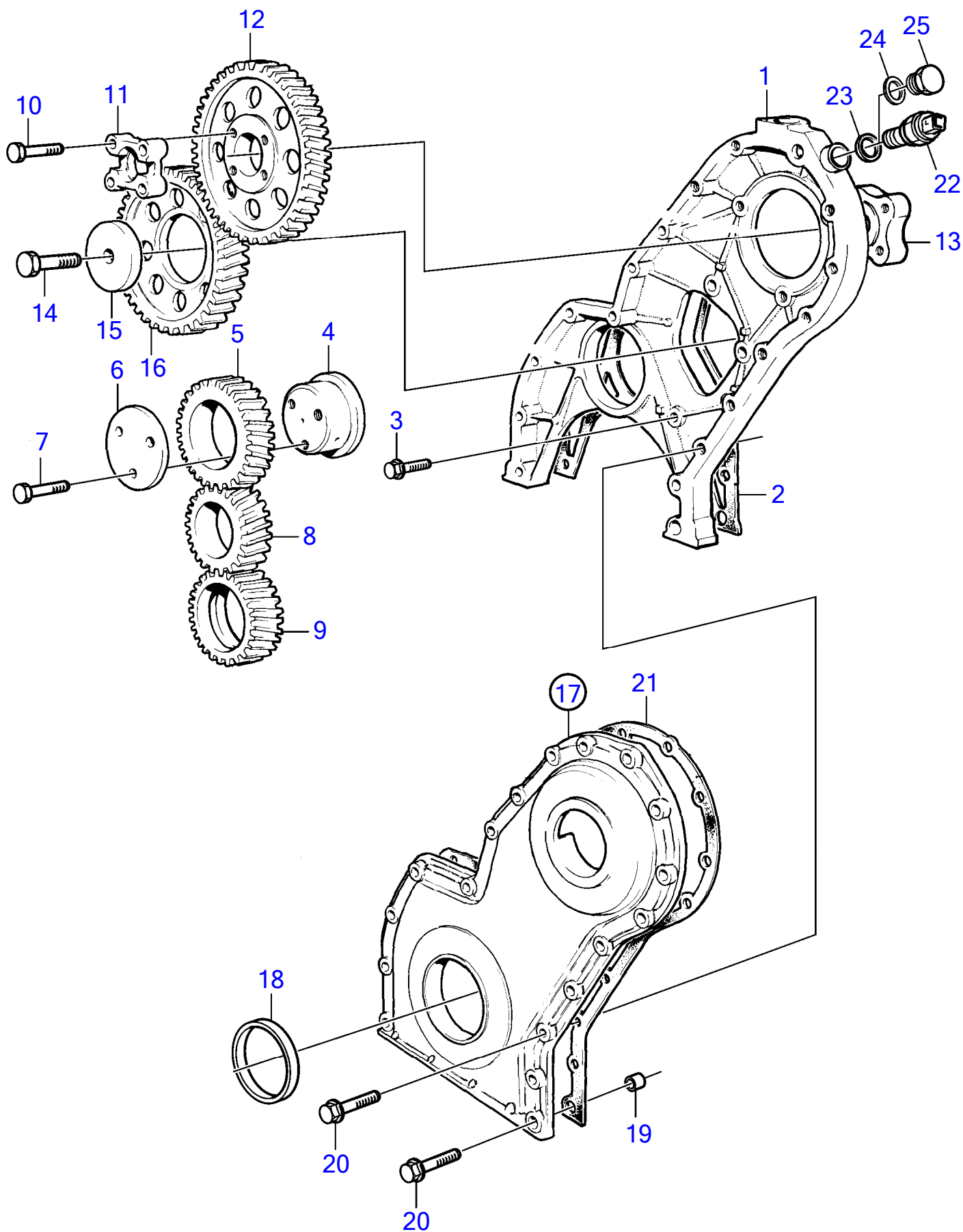
21 Cylinder Block and Flywheel Housing: SOLAS
TAMD31L-A, TAMD31M-A

Ref	Part No.	Qty	Description	Notes
1	861015	1	Cylinder block	SN-2203133630
	3583851	1	Cylinder block	SN2203133631-2203135150
2		5	• Main bearing cap	
3	861005	10	• Screw	
4	1542067	5	• Camshaft bushing	
5	463905	2	• Expansion plug	
6	955083	4	• Cap plug	
7	968955	1	• Expansion plug	
8	415311	3	• Guide sleeve	
9	946402	2	• Grooved pin	
10	479977	1	Plug	
11	479979	2	Plug	
12	947893	1	Shut-off cock	
13	1545159	1	Foot plate	
14	1545160	4	Spacer sleeve	
15	965187	4	Flange screw	
16	3850090	4	Spacer	
17	1542052	2	Seal	Early type
18	1542050	1	Inspection lid	Early type
19	469846	4	Sealing ring	Early type
20	(859447)	4	Shoulder screw	Obsolete part, Early type, Use 3581324 with parts
21	3581324	2	Inspection lid	Late type
22	18666	4	Gasket	Late type
23	965185	4	Flange screw	Late type
24	1161277	X	Sealant	Late type
	1161231	X	Sealant	Late type
25		1	Sign	
26	950885	2	Drive screw	
27	1542320	4	Oil jet	Included in cylinder liner kit 3581714.
28	955981	4	O-ring	
29	1542380	4	Stud	
30	946035	4	Lock nut	
31	3581825	1	Flywheel housing	
32	404069	1	Pin	
33	407092	1	Cover	
34	967949	2	Flange screw	
35	860926	1	Plug	
36	3582851	1	Sealing ring	
37	829487	1	Gasket	
38	965185	6	Flange screw	L=40mm
	965220	2	Flange screw	L=45mm
39	941908	8	Spring washer	
40	858164	1	Flywheel housing	
41	858165	1	Cap	
42	946752	10	Flange screw	
43	407092	1	Cover	
44	967949	2	Flange screw	
45	423081	1	Cover	
46	946329	3	Flange screw	
47	404069	1	Pin	
48	(838763)	1	Crankcase ventilatio	Obsolete part
49	858256	1	Check valve	
50	951971	1	• Spring pin	
51	181501	1	• Ball	
52	843449	1	• Gasket	
53	876069	1	Filter	
54	843449	1	Gasket	
55	(947426)	1	Washer	Obsolete part
56	967949	1	Flange screw	



21 Cylinder Block and Flywheel Housing: SOLAS
TAMD41P-A

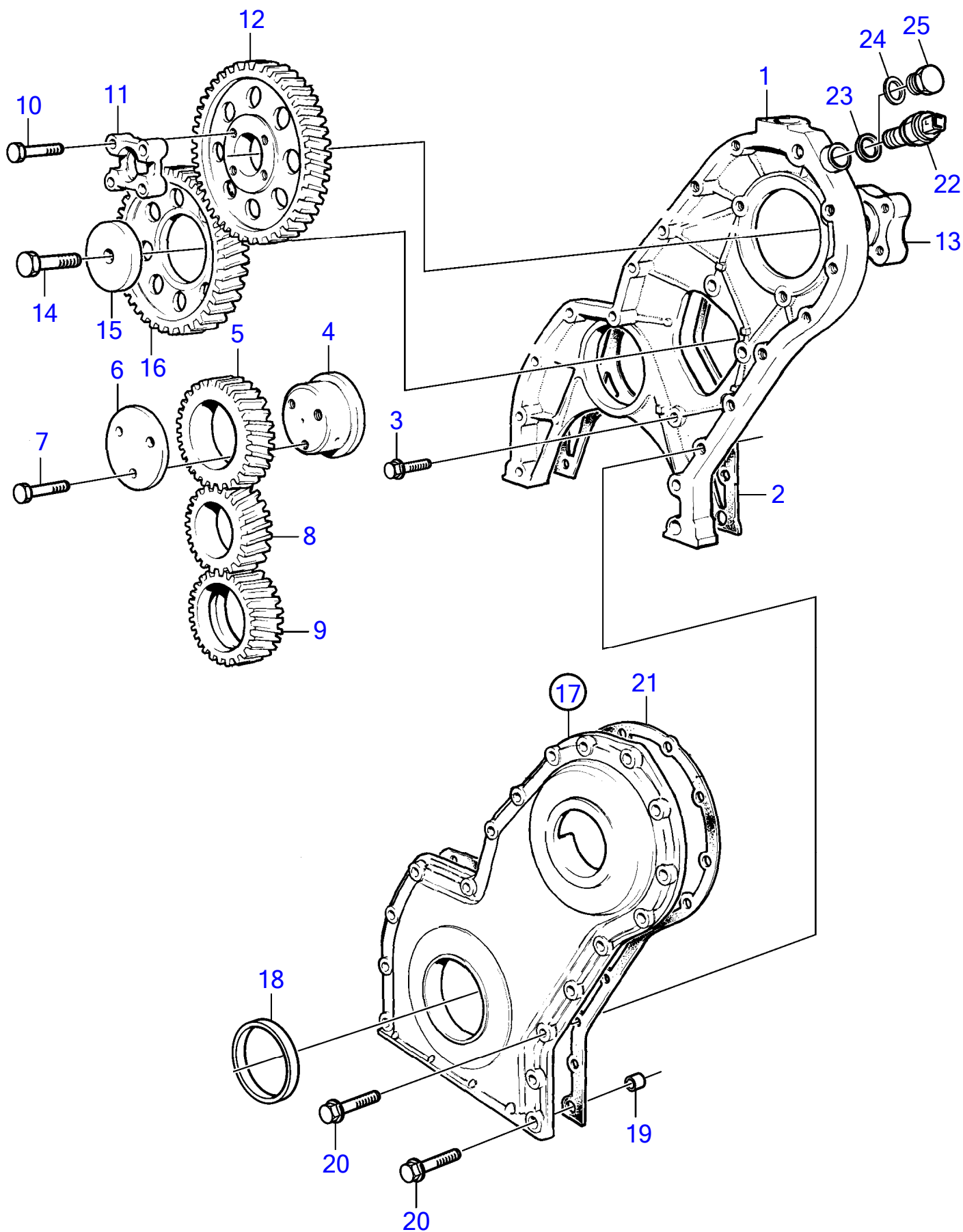
Ref	Part No.	Qty	Description	Notes
1	861690	1	Cylinder block	SN-2204164415
	3583103	1	Cylinder block	SN2204164416-2204168098
2		7	• Main bearing cap	
3	861005	14	• Screw	
4	955083	4	• Cap plug	
5	1542067	7	• Camshaft bushing	
6	463905	5	• Expansion plug	
7	968955	1	• Expansion plug	
8	946402	2	• Grooved pin	
9	415311	3	• Guide sleeve	
10	479977	2	Plug	
11	479979	3	Plug	
12	947893	1	Shut-off cock	
13	955082	1	Cap plug	
14	1545159	1	Foot plate	
15	1545160	4	Spacer sleeve	
16	965187	4	Flange screw	
17	3850090	4	Spacer	
18	1542052	3	Seal	Early type
19	1542050	3	Inspection lid	Early type
20	469846	6	Sealing ring	Early type
21	(859447)	6	Shoulder screw	Obsolete part, Early type, Use 3581324 with parts
22	3581324	3	Inspection lid	Late type
23	18666	6	Gasket	Late type
24	965185	6	Flange screw	Late type
25	1161277	X	Sealant	Late type
	1161231	X	Sealant	Late type
26		1	Sign	
27	950885	2	Drive screw	
28	1542320	6	Oil jet	Included in cylinder liner kit 3581714.
29	955981	6	O-ring	
30	1542380	6	Stud	
31	946035	6	Lock nut	
32	3581825	1	Flywheel housing	
33	407092	1	Cover	
34	967949	2	Flange screw	
35	404069	1	Pin	
36	860926	2	Plug	
37	3582851	1	Sealing ring	
38	829487	1	Gasket	
39	941908	8	Spring washer	
40	965185	6	Flange screw	L=40mm
	965220	2	Flange screw	L=45mm
41	858164	1	Flywheel housing	
42	858165	1	Cap	
43	946752	10	Flange screw	
44	404069	1	Pin	
45	407092	1	Cover	
46	967949	2	Flange screw	
47	423081	1	Cover	
48	946329	3	Flange screw	
49	(838763)	1	Crankcase ventilatio	Obsolete part
50	858256	1	Check valve	
51	951971	1	• Spring pin	
52	181501	1	• Ball	
53	843449	1	• Gasket	
54	876069	1	Filter	
55	843449	1	Gasket	
56	(947426)	1	Washer	Obsolete part
57	967949	1	Flange screw	



21 Timing Gear Casing and Gears

AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A

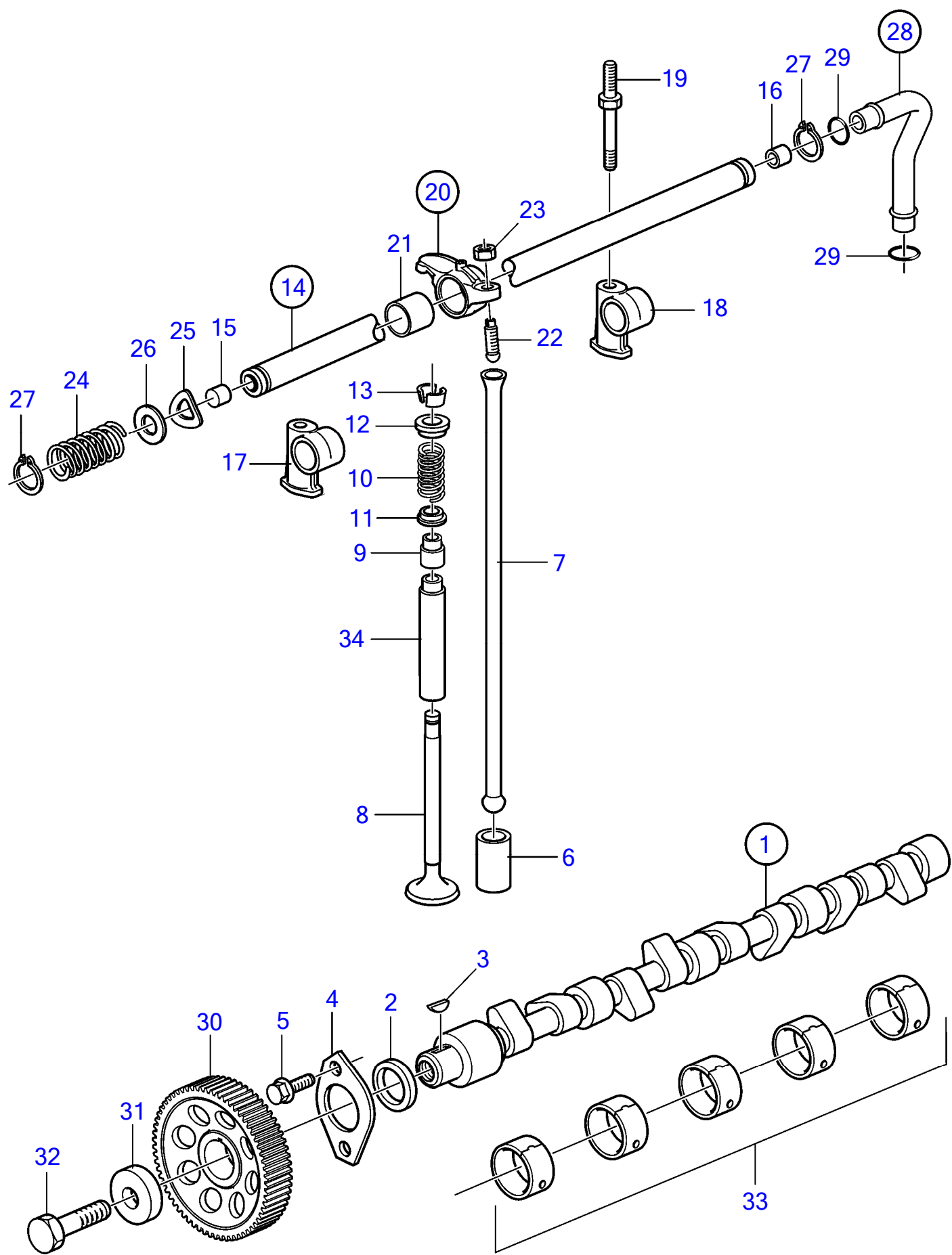
Ref	Part No.	Qty	Description	Notes
1	3581447	1	Timing gear casing	
2	859039	1	Gasket	
3	946173	3	Flange screw	L=20mm
	946671	1	Flange screw	L=30mm
4	838997	1	Bearing spindle	
5	1542061	1	Gear	
6	1542065	1	Thrust washer	
7	965180	3	Flange screw	
8	1542305	1	Gear	
9	1542215	1	Oil pump wheel	
10	955298	4	Hexagon screw	
11	829523	1	Companion flange	
12	3581531	1	Gear	
13	859601	1	Hub	
14	965193	1	Flange screw	
15	1542223	1	Washer	
16	1542034	1	Gear	
17	843086	1	Cover	Replaced by 842991
	842991	1	• Cover	
18	1542318	1	Sealing ring	
19	415311	1	Guide sleeve	
20	946470	5	Flange screw	L=35mm
	947760	2	Flange screw	L=40mm
	948217	1	Flange screw	L=45mm
	965181	6	Flange screw	L=70mm
	965182	2	Flange screw	L=80mm
	965189	1	Flange screw	
	965183	1	Flange screw	L=90mm
21	859038	1	Gasket	
22	862251	1	Engine speed sensor	For revolution relay.
23	957181	1	Gasket	
24	976931	1	Gasket	Alt
25	960632	1	Plug	Alt



21 Timing Gear Casing and Gears

AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

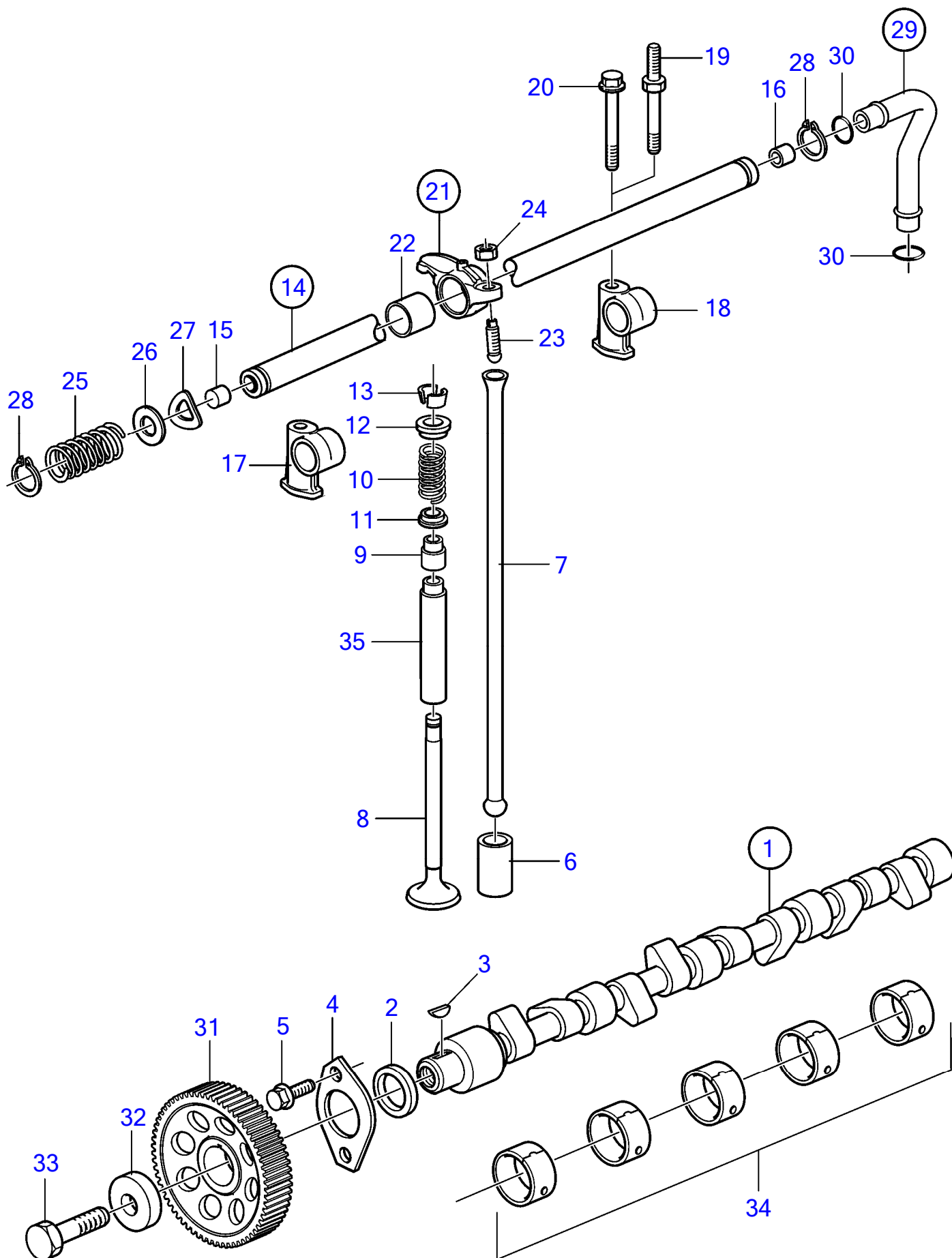
Ref	Part No.	Qty	Description	Notes
1	3581447	1	Timing gear casing	(838655)
2	859039	1	Gasket	
3	946173	3	Flange screw	L=20mm
	946671	1	Flange screw	L=30mm
4	838997	1	Bearing spindle	
5	1542061	1	Gear	
6	1542065	1	Thrust washer	
7	965180	3	Flange screw	
8	1542305	1	Gear	
9	1542215	1	Oil pump wheel	
10	955298	4	Hexagon screw	
11	829523	1	Companion flange	
12	3581531	1	Gear	(838657)
13	859601	1	Hub	
14	965193	1	Flange screw	
15	1542223	1	Washer	
16	1542034	1	Gear	
17	843086	1	Cover	Replaced by 842991
	842991	1	· Cover	
18	1542318	1	· Sealing ring	
19	415311	1	· Guide sleeve	
20	946470	6	Flange screw	L=35mm
	947760	2	Flange screw	L=40mm
	948217	2	Flange screw	L=45mm earlier prod
	965181	6	Flange screw	L=70mm
	965182	2	Flange screw	L=80mm
	965183	1	Flange screw	L=90mm
21	859038	1	Gasket	
22	862251	1	Engine speed sensor	For revolution relay.
23	957181	1	Gasket	
24	976931	1	Gasket	Alt
25	960632	1	Plug	Alt



21 Camshaft and Valve Mechanism

AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A

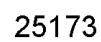
Ref	Part No.	Qty	Description	Notes
1	861201	1	Camshaft	
2	1542221	1	• Spacer washer	
3	910116	1	• Woodruff key	
4	838992	1	Thrust washer	
5	946440	2	Flange screw	
6	1542208	8	Valve tappet	
7	838636	8	Push rod	
8	838638	4	Exhaust valve, exhaust	
	838637	4	Inlet valve, intake	
9	859171	8	Valve stem seal	
10	1545198	8	Valve spring	
11	1332137	8	Valve spring washer	
12	838639	8	Washer	
13	1677875	16	Valve cotter	
14	838641	1	Rocker arm shaft	
15	955083	1	• Cap plug	
16	840444	1	• Sleeve	
17	838726	1	Adapter	
18	838647	3	Bearing bracket	
19	838732	4	Stud	
20	3581128	4	Rocker arm, exhaust	No 1,3,5,7
	3581129	4	Rocker arm, intake	No 2,4,6,8
21	418297	4	• Bushing	
22	3581121	4	• Ball stud	
23	921781	4	• Hexagon nut	
24	411139	3	Compression spring	
25	840686	2	Spring washer	
26	400722	2	Shim	
27	914456	2	Snap ring	
28	860686	1	Tube	
29	969198	2	• O-ring	
30	1542034	1	Gear	
31	1542223	1	Washer	
32	965193	1	Flange screw	
33	1542067	5	Camshaft bushing	
34	3582561	8	Valve guide	



21 Camshaft and Valve Mechanism

AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

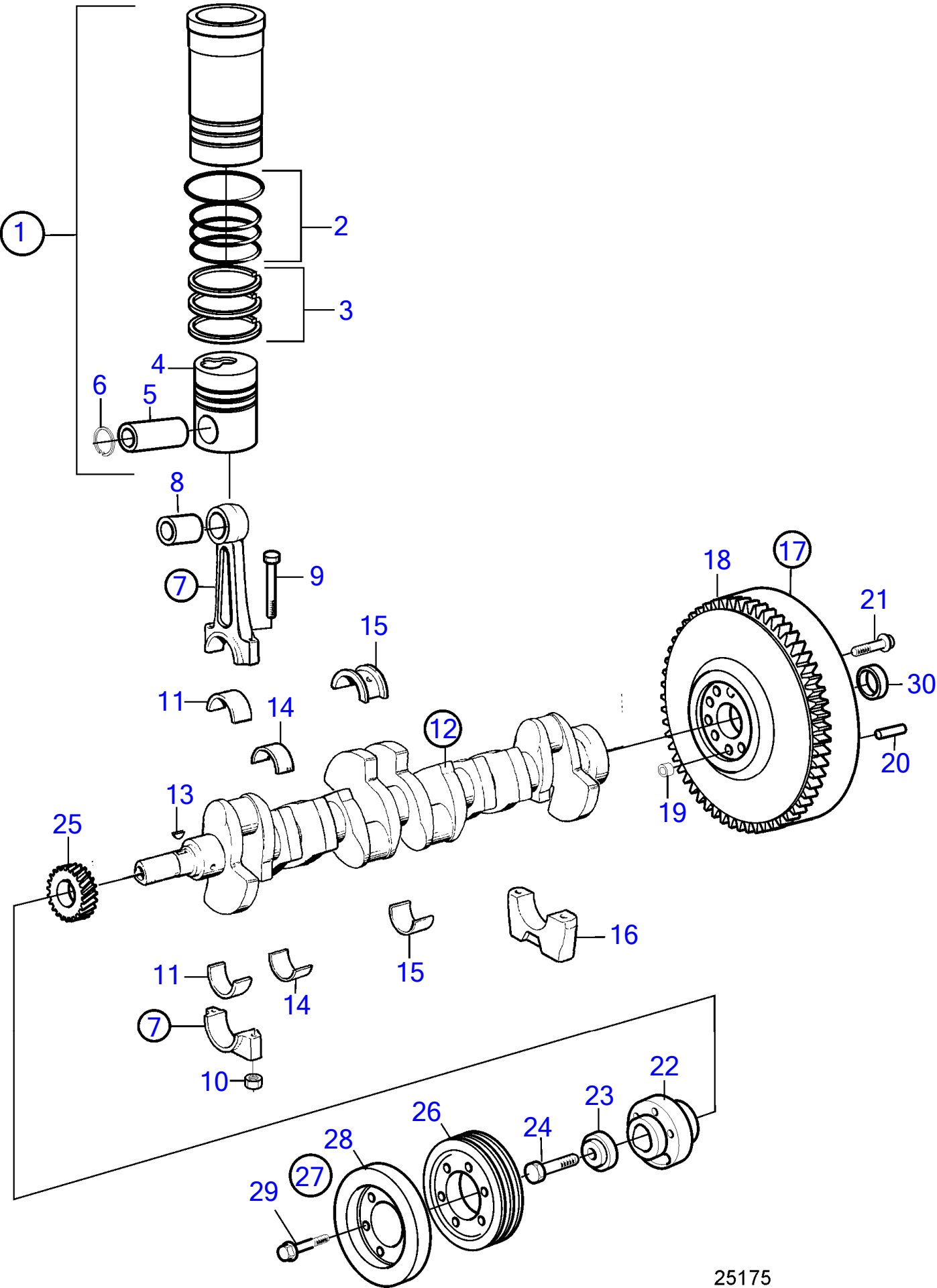
Ref	Part No.	Qty	Description	Notes
1	3817142	1	Camshaft	(3583266)
2	1542221	1	• Spacer washer	
3	910116	1	• Woodruff key	
4	838992	1	Thrust washer	
5	946440	2	Flange screw	
6	1542208	12	Valve tappet	
7	838636	12	Push rod	
8	838638	6	Exhaust valve, exhaust	
	838637	6	Inlet valve, intake	
9	859171	12	Valve stem seal	
10	1545198	12	Valve spring	
11	1332137	12	Valve spring washer	
12	838639	12	Washer	
13	1677875	24	Valve cotter	
14	838643	1	Rocker arm shaft	
15	955083	1	• Cap plug	
16	840444	1	• Sleeve	
17	838726	1	Adapter	
18	838647	5	Bearing bracket	
19	838732	4	Stud	
20	965188	2	Flange screw	
21	3581128	6	Rocker arm, exhaust	No 1,3,5,7,9,11
	3581129	6	Rocker arm, intake	No 2,4,6,8,10,12
22	418297	12	• Bushing	
23	3581121	12	• Ball stud	
24	921781	12	• Hexagon nut	
25	411139	5	Compression spring	
26	840686	2	Spring washer	
27	400722	2	Shim	
28	914456	2	Snap ring	
29	860686	1	Tube	
30	969198	2	• O-ring	
31	1542034	1	Gear	
32	1542223	1	Washer	
33	965193	1	Flange screw	
34	1542067	7	Camshaft bushing	
35	3582561	12	Valve guide	



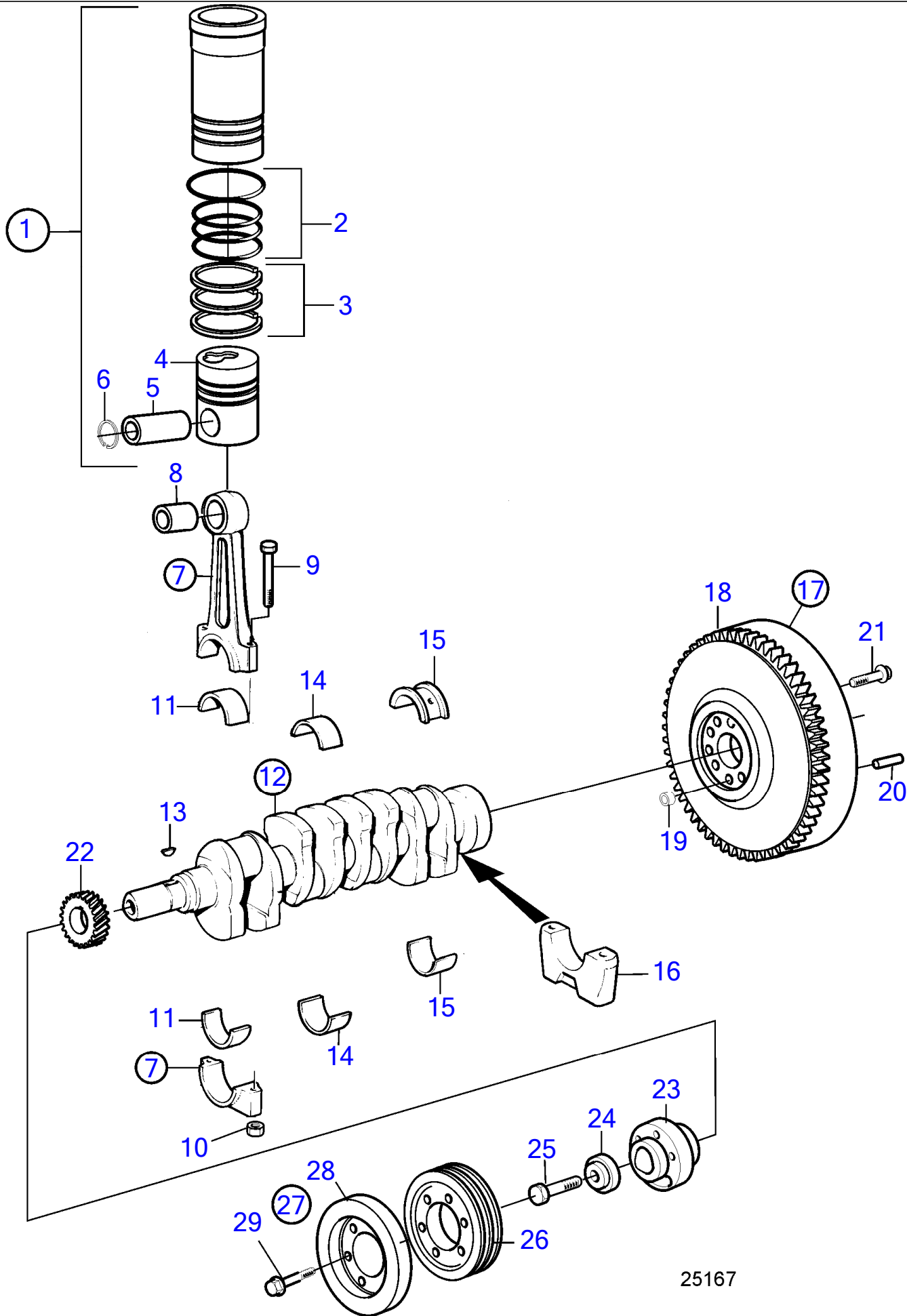
21 Crank Mechanism

AD31L-A, AD31P-A

Ref	Part No.	Qty	Description	Notes
1	3817034	4	Cylinder liner kit	(3581714)
2	275751	1	• Sealing ring kit	
3	3817033	1	• Piston ring kit	
4		1	• Piston	
5	422793	1	• Piston pin	
6	914519	2	• Snap ring	
7	3581063	4	Connecting rod	
8	3581021	1	• Bushing	
9	1542077	2	• Connecting rod bolt	
10	1542078	2	• Nut	
11	876511	4	Big-end bearing kit	Std D
	876512	4	Big-end bearing kit	U.S=0,25mm
	876513	4	Big-end bearing kit	U.S=0,50mm
	876514	4	Big-end bearing kit	U.S=0,75mm
12	3582849	1	Crankshaft	
13	910118	1	• Woodruff key	
14	876515	4	Main bearing kit	Std D
	876516	4	Main bearing kit	U.S=0,25mm
	876517	4	Main bearing kit	U.S=0,50mm
	876518	4	Main bearing kit	U.S=0,75mm
15	876519	1	Thrust bearing	Std D
	876520	1	Thrust bearing	O.S=0,10mm/U.S=0,25mm
	876521	1	Thrust bearing	O.S=0,20mm/U.S=0,50mm
	876522	1	Thrust bearing	O.S=0,20mm/U.S=0,75mm
16		5	Main bearing cap	
17	3582705	1	Flywheel	
18	829462	1	• Ring gear	
19	415311	1	• Guide sleeve	
20	191873	3	• Locating pin	
21	861671	1	Repair kit	The kit includes 8 pcs screw., Shall not be used together with bolt plate 1542093.
22	872761	1	Bushing	AD31/DP
23	1542305	1	Gear	
24	1542196	1	Hub	
25	420124	1	Washer	
26	470366	1	Flange screw	
27	859614	1	Pulley	
28	877409	1	Vibration damper	
29	3583677	1	• Vibration damper	
30	983745	6	• Flange screw	



Ref	Part No.	Qty	Description	Notes
1	3817034	6	Cylinder liner kit	(3581714)
2	275751	1	• Sealing ring kit	
3	3817033	1	• Piston ring kit	
4		1	• Piston	
5	422793	1	• Piston pin	
6	914519	2	• Snap ring	
7	3581063	6	Connecting rod	
8	3581021	1	• Bushing	
9	1542077	2	• Connecting rod bolt	
10	1542078	2	• Nut	
11	876511	6	Big-end bearing kit	Std D
	876512	6	Big-end bearing kit	U.S=0,25mm
	876513	6	Big-end bearing kit	U.S=0,50mm
	876514	6	Big-end bearing kit	U.S=0,75mm
12	3582850	1	Crankshaft	
13	910118	1	• Woodruff key	
14	876515	6	Main bearing kit	Std D
	876516	6	Main bearing kit	U.S=0,25mm
	876517	6	Main bearing kit	U.S=0,50mm
	876518	6	Main bearing kit	U.S=0,75mm
15	876519	1	Thrust bearing	Std D
	876520	1	Thrust bearing	O.S=0,10mm/U.S=0,25mm
	876521	1	Thrust bearing	O.S=0,20mm/U.S=0,50mm
	876522	1	Thrust bearing	O.S=0,20mm/U.S=0,75mm
16		7	Main bearing cap	
17	861614	1	Flywheel	SN2204151711-2204212194
	3581169	1	Flywheel	SN2204212195- Repl by 3582704
	3582704	1	Flywheel	
18	829462	1	• Ring gear	
19	415311	1	• Guide sleeve	
20	191873	3	• Locating pin	
21	861671	1	Repair kit	The kit includes 8 pcs screw., Shall not be used together with bolt plate 1542093.
22	1542196	1	Hub	
23	420124	1	Washer	
24	470366	1	Flange screw	
25	1542305	1	Gear	
26	859614	1	Pulley	
27	877409	1	Vibration damper	
28	3583677	1	• Vibration damper	
29	983745	6	• Flange screw	
30	872761	1	Bushing	

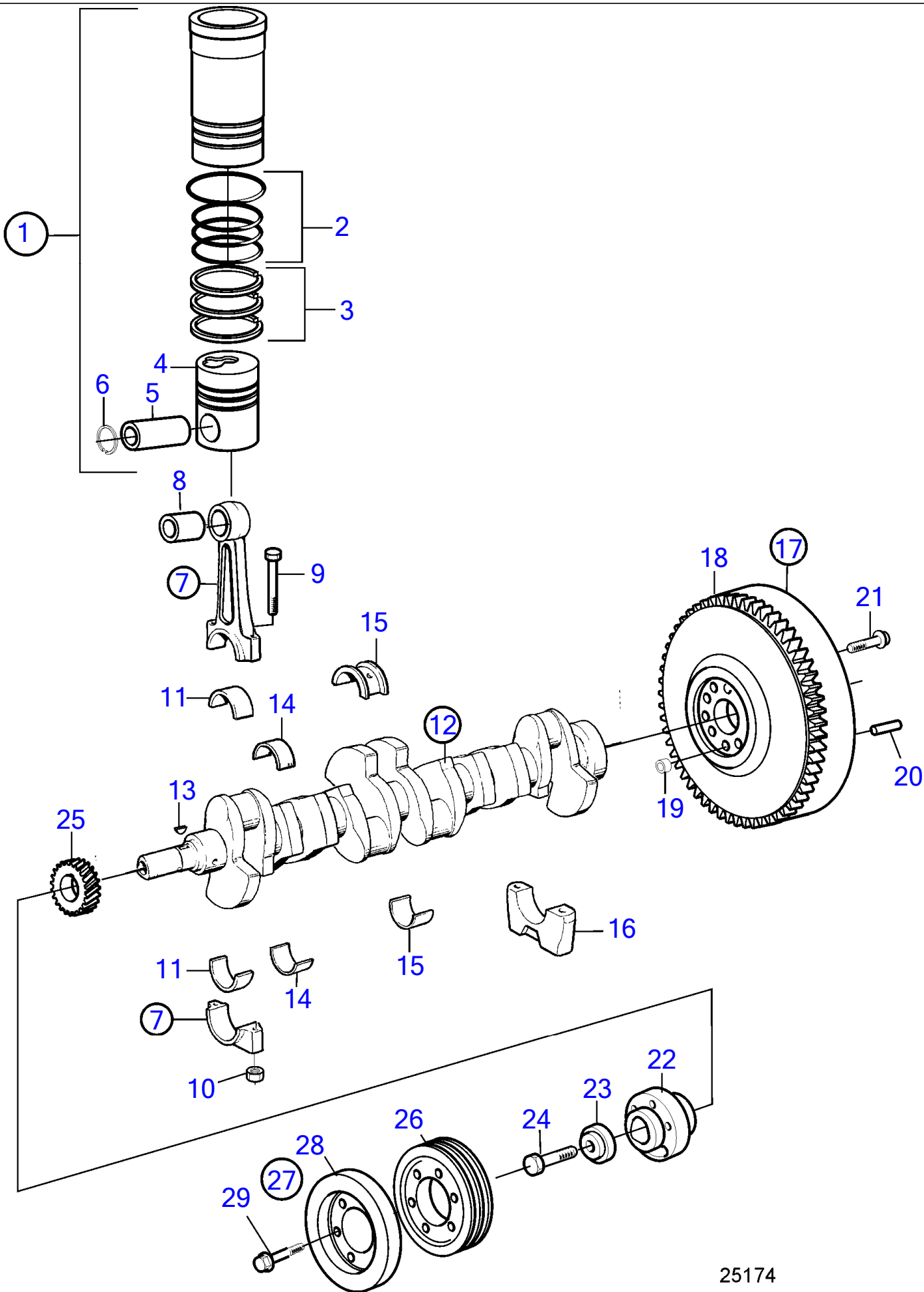


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21 Crank Mechanism

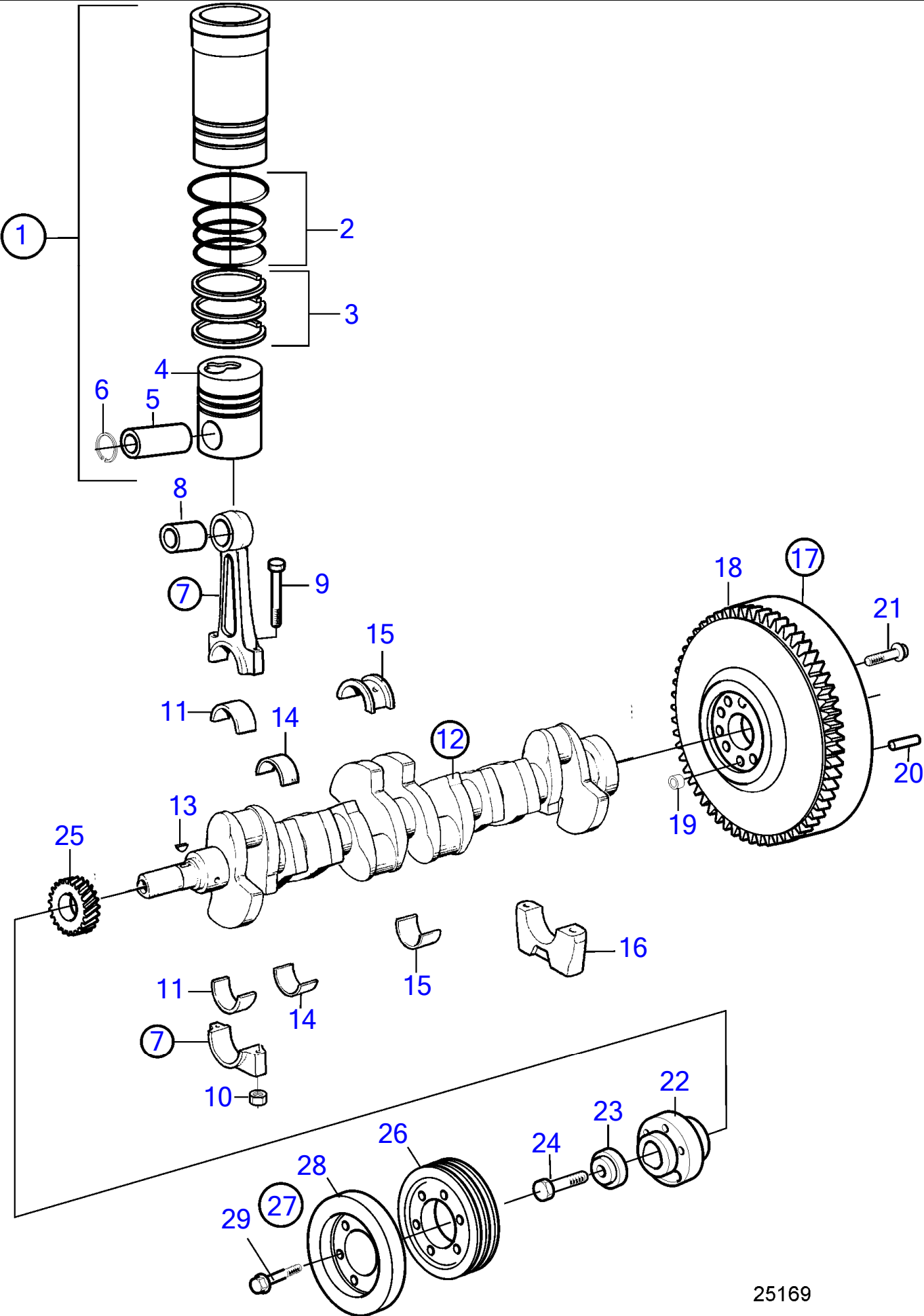
TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A

Ref	Part No.	Qty	Description	Notes
1	3817034	4	Cylinder liner kit	(3581714)
2	275751	1	• Sealing ring kit	
3	3817033	1	• Piston ring kit	
4		1	• Piston	
5	422793	1	• Piston pin	
6	914519	2	• Snap ring	
7	3581063	4	Connecting rod	
8	3581021	1	• Bushing	
9	1542077	2	• Connecting rod bolt	
10	1542078	2	• Nut	
11	876511	4	Big-end bearing kit	Std D
	876512	4	Big-end bearing kit	U.S=0,25mm
	876513	4	Big-end bearing kit	U.S=0,50mm
	876514	4	Big-end bearing kit	U.S=0,75mm
12	3582849	1	Crankshaft	
13	910118	1	• Woodruff key	
14	876515	4	Main bearing kit	Std D
	876516	4	Main bearing kit	U.S=0,25mm
	876517	4	Main bearing kit	U.S=0,50mm
	876518	4	Main bearing kit	U.S=0,75mm
15	876519	1	Thrust bearing	Std D
	876520	1	Thrust bearing	O.S=0,10mm/U.S=0,25mm
	876521	1	Thrust bearing	O.S=0,20mm/U.S=0,50mm
	876522	1	Thrust bearing	O.S=0,20mm/U.S=0,75mm
16		5	Main bearing cap	
17	3582705	1	Flywheel	
18	829462	1	• Ring gear	
19	415311	1	• Guide sleeve	
20	191873	3	• Locating pin	
21	861671	1	Repair kit	The kit includes 8 pcs screw., Shall not be used together with bolt plate 1542093.
22	1542305	1	Gear	
23	1542196	1	Hub	
24	420124	1	Washer	
25	470366	1	Flange screw	
26	859614	1	Pulley	
27	877409	1	Vibration damper	
28	3583677	1	• Vibration damper	
29	983745	6	• Flange screw	

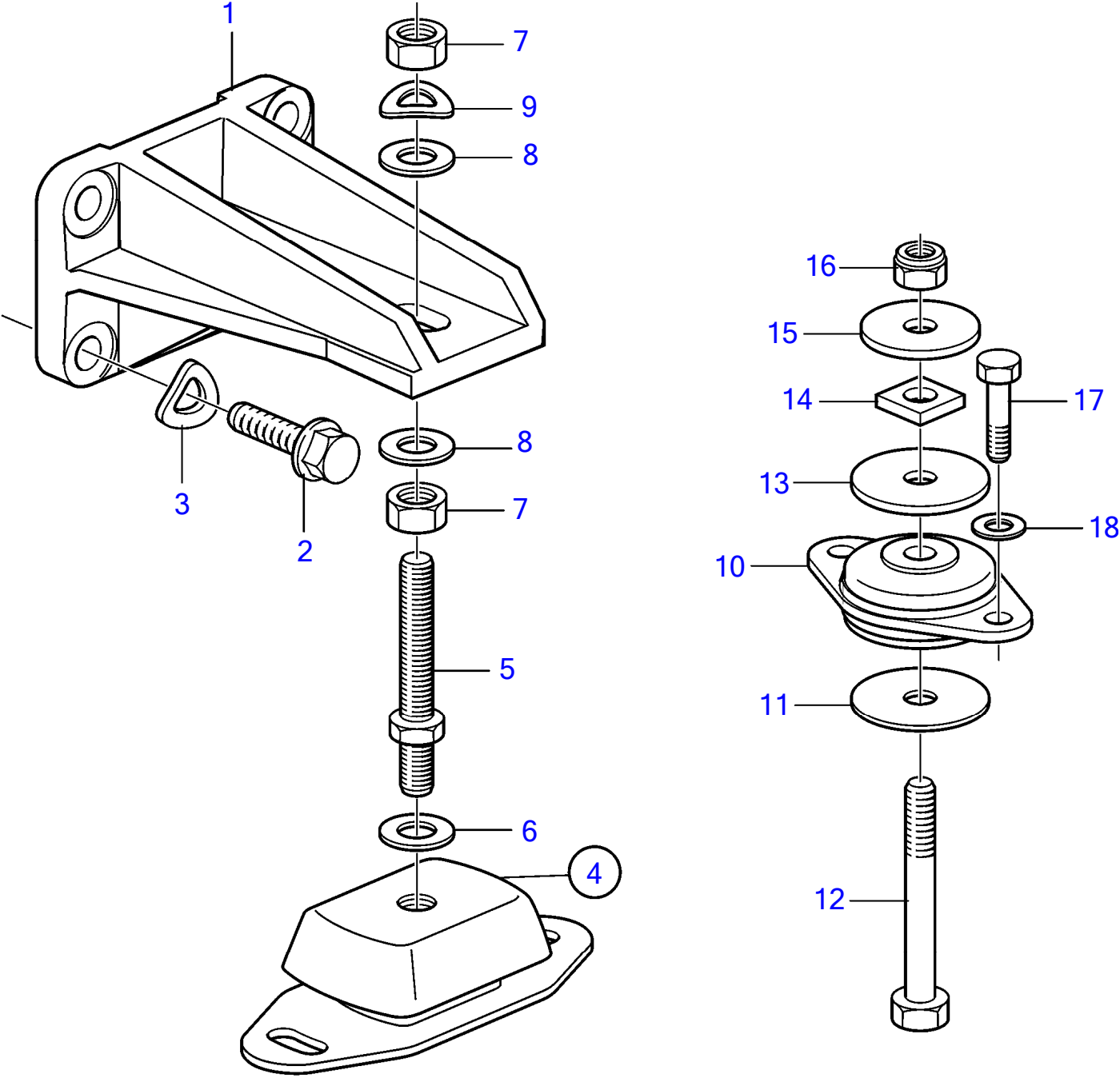


21 Crank Mechanism
TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A

Ref	Part No.	Qty	Description	Notes
1	3817034	6	Cylinder liner kit	(3581714)
2	275751	1	• Sealing ring kit	
3	3586758	1	• Piston ring kit	
4		1	• Piston	
5	422793	1	• Piston pin	
6	914519	2	• Snap ring	
7	3581063	6	Connecting rod	
8	3581021	1	• Bushing	
9	1542077	2	• Connecting rod bolt	
10	1542078	2	• Nut	
11	876511	6	Big-end bearing kit	Std D
	876512	6	Big-end bearing kit	U.S=0,25mm
	876513	6	Big-end bearing kit	U.S=0,50mm
	876514	6	Big-end bearing kit	U.S=0,75mm
12	3582850	1	Crankshaft	
13	910118	1	• Woodruff key	
14	876515	6	Main bearing kit	Std D
	876516	6	Main bearing kit	U.S=0,25mm
	876517	6	Main bearing kit	U.S=0,50mm
	876518	6	Main bearing kit	U.S=0,75mm
15	876519	1	Thrust bearing	Std D
	876520	1	Thrust bearing	O.S=0,10mm/U.S=0,25mm
	876521	1	Thrust bearing	O.S=0,20mm/U.S=0,50mm
	876522	1	Thrust bearing	O.S=0,20mm/U.S=0,75mm
16		7	Main bearing cap	
17	3582705	1	Flywheel	HS1A
	3582705	1	Flywheel	PRM, BW
	3582705	1	Flywheel	SOLAS
18	829462	1	• Ring gear	
19	415311	1	• Guide sleeve	
20	191873	3	• Locating pin	
21	861671	1	Repair kit	The kit includes 8 pcs screw., Shall not be used together with bolt plate 1542093.
22	1542196	1	Hub	
23	420124	1	Washer	
24	470366	1	Flange screw	
25	1542305	1	Gear	
26	859614	1	Pulley	
27	877409	1	Vibration damper	TAMD41L, TAMD41M, TAMD41H
28	3583677	1	• Vibration damper	
29	983745	6	• Flange screw	



Ref	Part No.	Qty	Description	Notes
1	3817034	6	Cylinder liner kit	(3581714)
2	275751	1	• Sealing ring kit	
3	3817033	1	• Piston ring kit	
4		1	• Piston	
5	422793	1	• Piston pin	
6	914519	2	• Snap ring	
7	3581063	6	Connecting rod	
8	3581021	1	• Bushing	
9	1542077	2	• Connecting rod bolt	
10	1542078	2	• Nut	
11	876511	6	Big-end bearing kit	Std D
	876512	6	Big-end bearing kit	U.S=0,25mm
	876513	6	Big-end bearing kit	U.S=0,50mm
	876514	6	Big-end bearing kit	U.S=0,75mm
12	3582850	1	Crankshaft	
13	910118	1	• Woodruff key	
14	876515	6	Main bearing kit	Std D
	876516	6	Main bearing kit	U.S=0,25mm
	876517	6	Main bearing kit	U.S=0,50mm
	876518	6	Main bearing kit	U.S=0,75mm
15	876519	1	Thrust bearing	Std D
	876520	1	Thrust bearing	O.S=0,10mm/U.S=0,25mm
	876521	1	Thrust bearing	O.S=0,20mm/U.S=0,50mm
	876522	1	Thrust bearing	O.S=0,20mm/U.S=0,75mm
16		7	Main bearing cap	
17	3582705	1	Flywheel	HS1A
18	829462	1	• Ring gear	
19	415311	1	• Guide sleeve	
20	191873	3	• Locating pin	
21	861671	1	Repair kit	The kit includes 8 pcs screw., Shall not be used together with bolt plate 1542093.
22	1542196	1	Hub	
23	420124	1	Washer	
24	470366	1	Flange screw	
25	1542305	1	Gear	
26	859614	1	Pulley	
27	877409	1	Vibration damper	
28	3583677	1	• Vibration damper	
29	983745	6	• Flange screw	

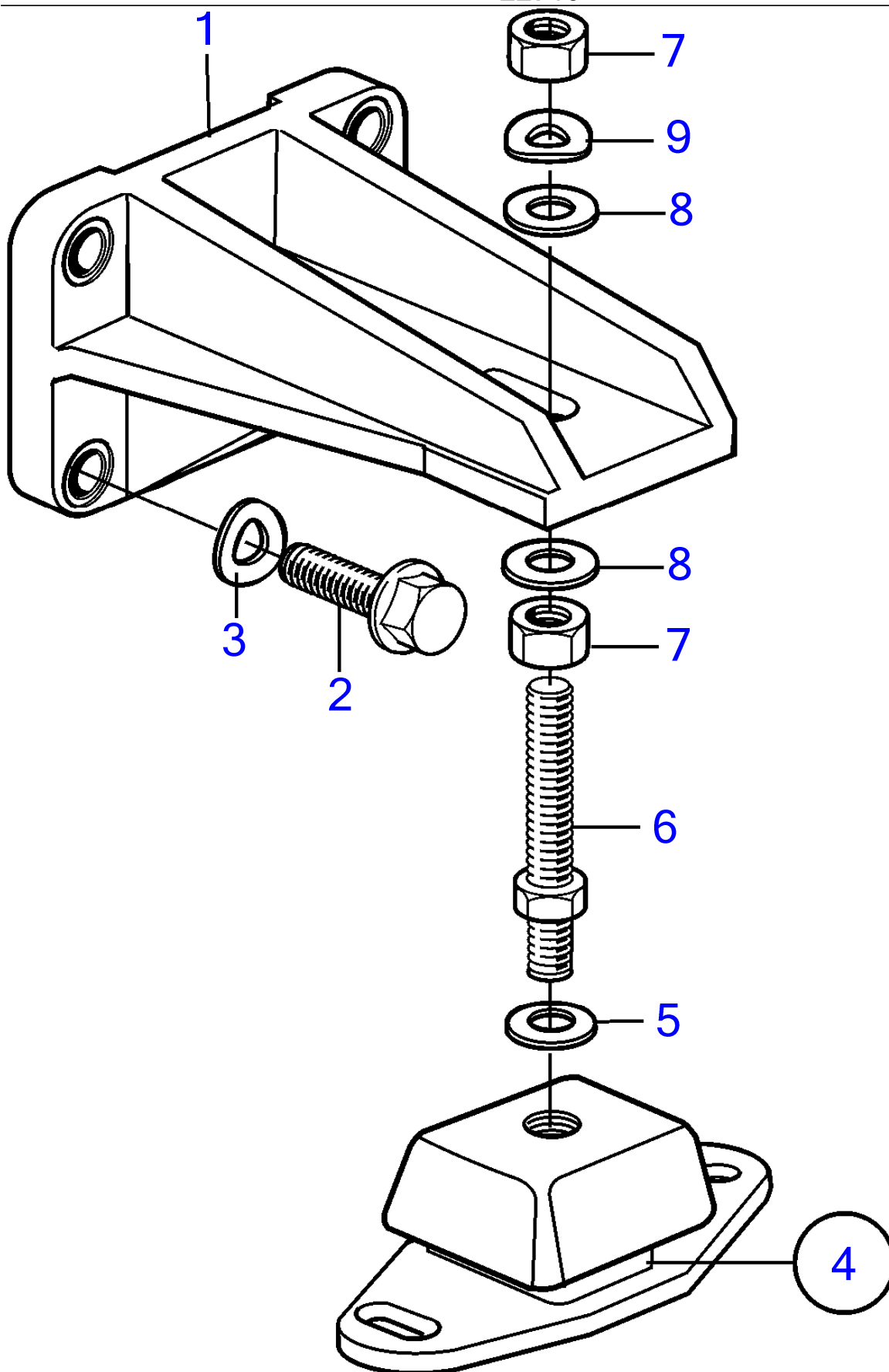


21 Engine Suspension for SX-Drive

AD31L-A, AD31P-A

Ref	Part No.	Qty	Description	Notes
1	3580748	2	Engine bracket	Front
2	965192	6	Flange screw	L=40mm
	965193	2	Flange screw	L=50mm
3	940280	6	Spring washer	
4	856834	2	Rubber cushion	
5	860950	2	Adjuster screw	
6	955900	2	Washer	
7	955806	4	Hexagon nut	
8	955901	2	Washer	D=34mm
	978991	2	Washer	D=40mm
9	941913	2	Spring washer	
10	(861794)	2	Rubber cushion	Obsolete part
11	3852542	2	Washer	
12	3587962	2	Hexagon screw	
13	3852622	2	Washer	
14	3852539	2	Square nut	
15	3852540	2	Washer	
16	3862657	2	Nut	
17	959968	4	Hexagon screw	
18	(3852155)	4	Washer	Obsolete part

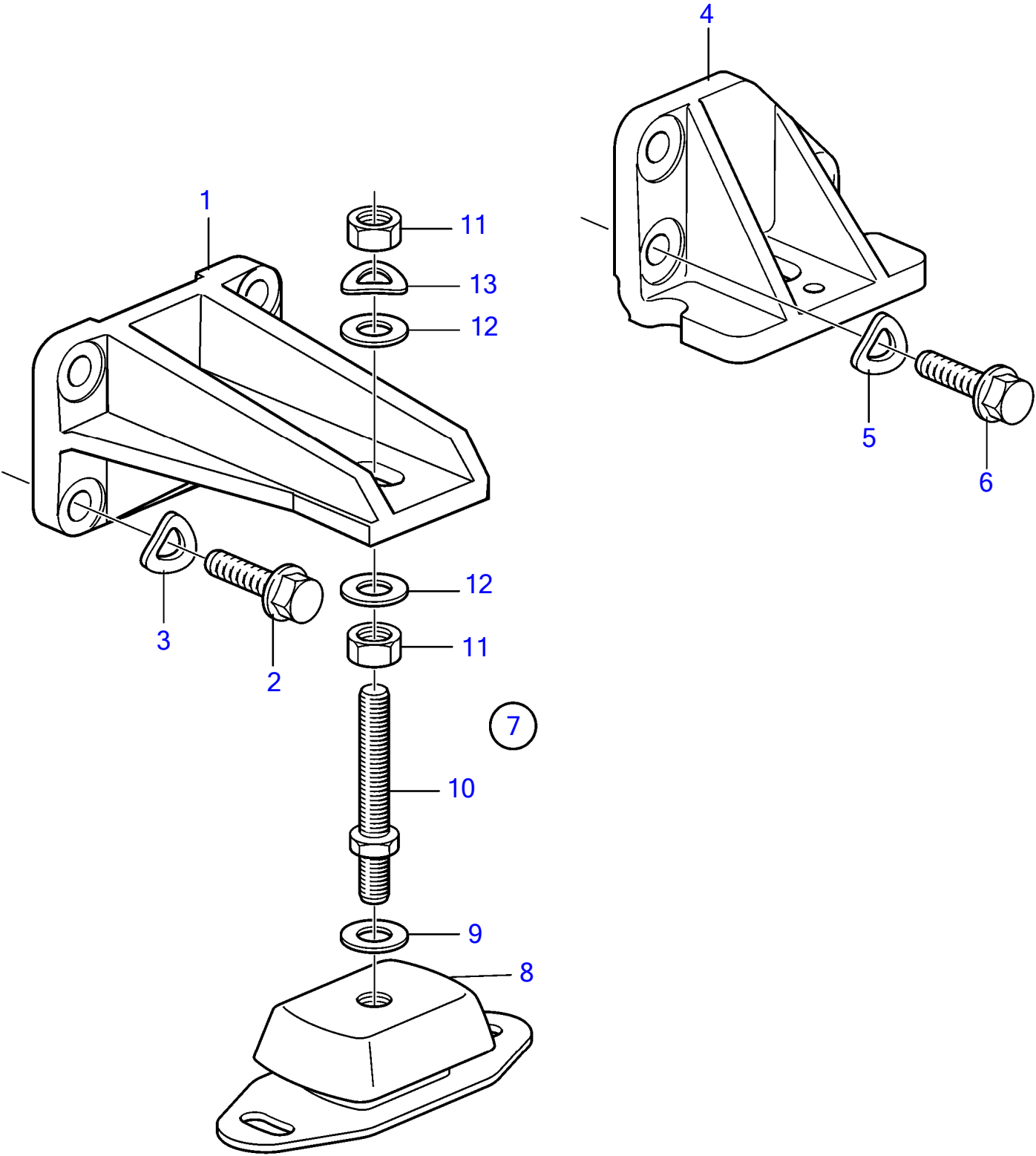
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21 Engine Suspension for DP-Drive

AD31L-A, AD31P-A

Ref	Part No.	Qty	Description	Notes
1	3580748	2	Engine bracket	
2	965192	6	Flange screw	L=40mm
	965193	2	Flange screw	L=50mm
3	940280	6	Spring washer	
4	846765	2	Rubber element	
5	955900	2	Washer	
6	860950	2	Adjuster screw	
7	955806	4	Hexagon nut	
8	955901	2	Washer	D=34mm
	978991	2	Washer	D=40mm
9	941913	2	Spring washer	

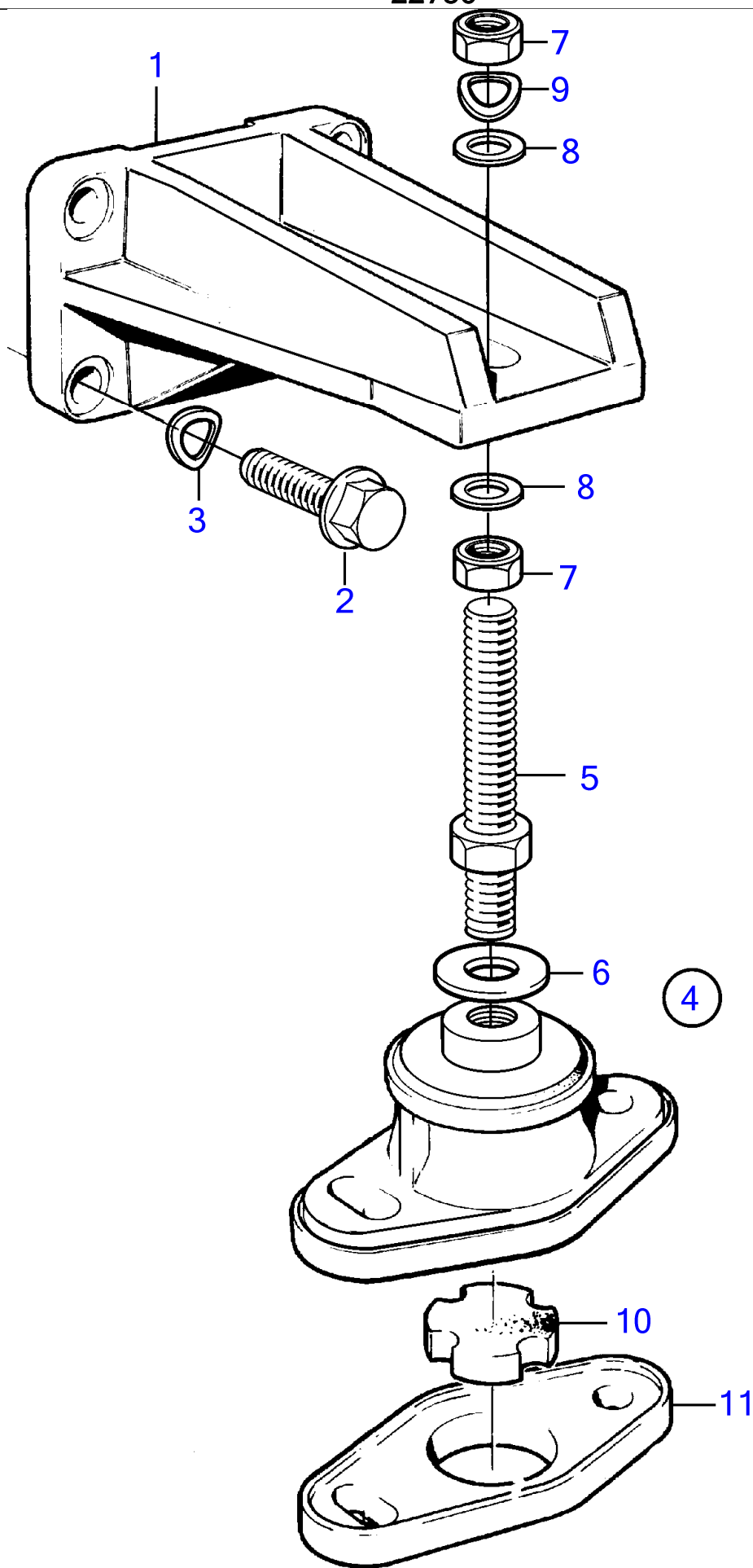


21 Engine Mounting for Jack Shaft Installations

AD31L-A, AD31P-A

Ref	Part No.	Qty	Description	Notes
1	3580748	2	Engine bracket	Front
2	965192	6	Flange screw	L=40mm
	965193	2	Flange screw	L=50mm
3	940280	6	Spring washer	
4	860952	1	Engine bracket	P, rear
	860954	1	Engine bracket	S.B, rear
5	940280	4	Spring washer	
	955897	2	Washer	
6	965225	4	Flange screw	L=35mm
	965226	2	Flange screw	L=45mm
7	876598	4	Rubber element	Replaced by 846765, 846768 and 955900
8	846765	4	Rubber element	
9	955900	4	Washer	
10	860950	4	Adjuster screw	
11	955806	8	Hexagon nut	
12	955901	4	Washer	D=34mm
	978991	4	Washer	D=40mm
13	941913	4	Spring washer	

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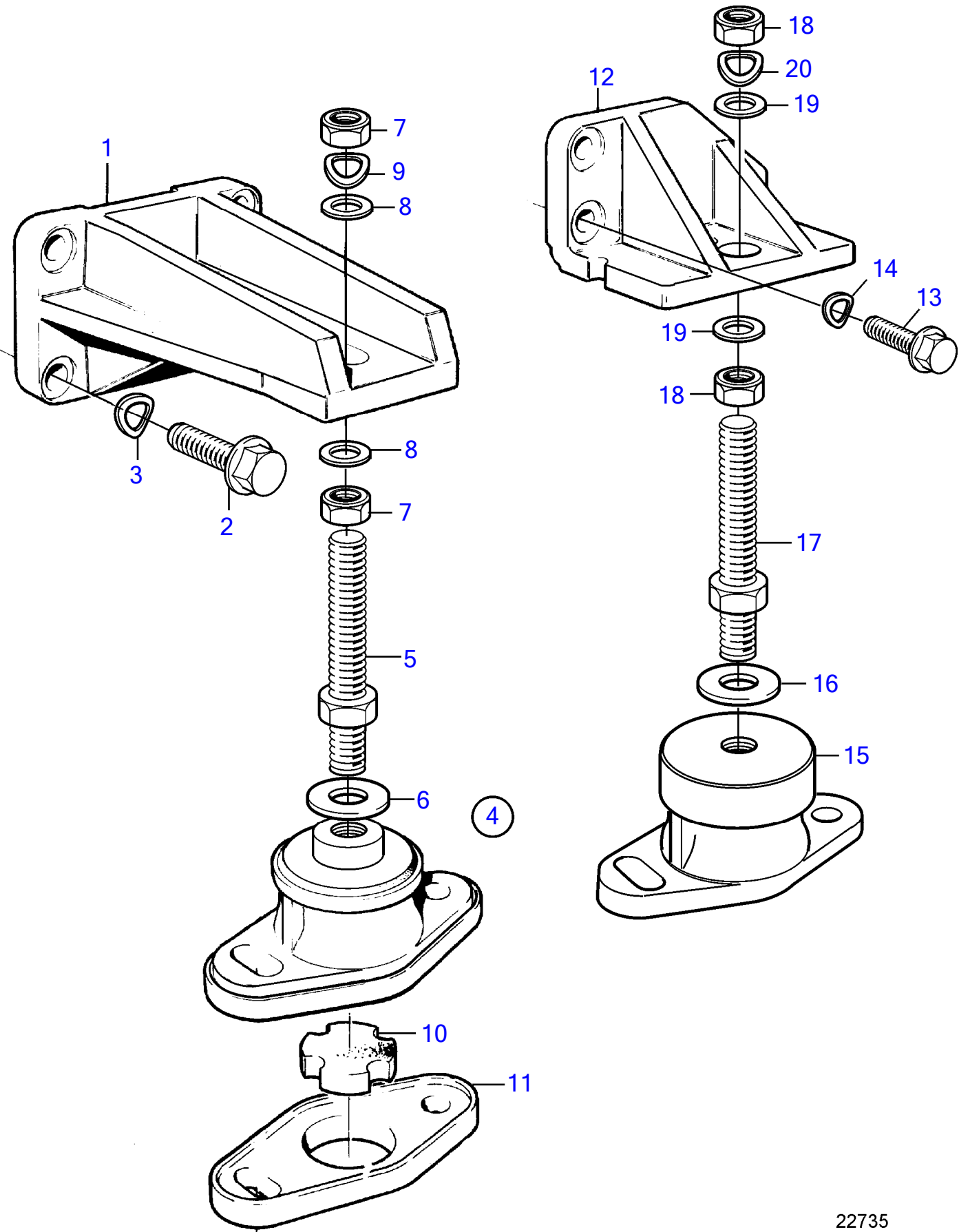


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21 Engine Suspension for DP-Drive

AD41L-A, AD41P-A, D41L-A

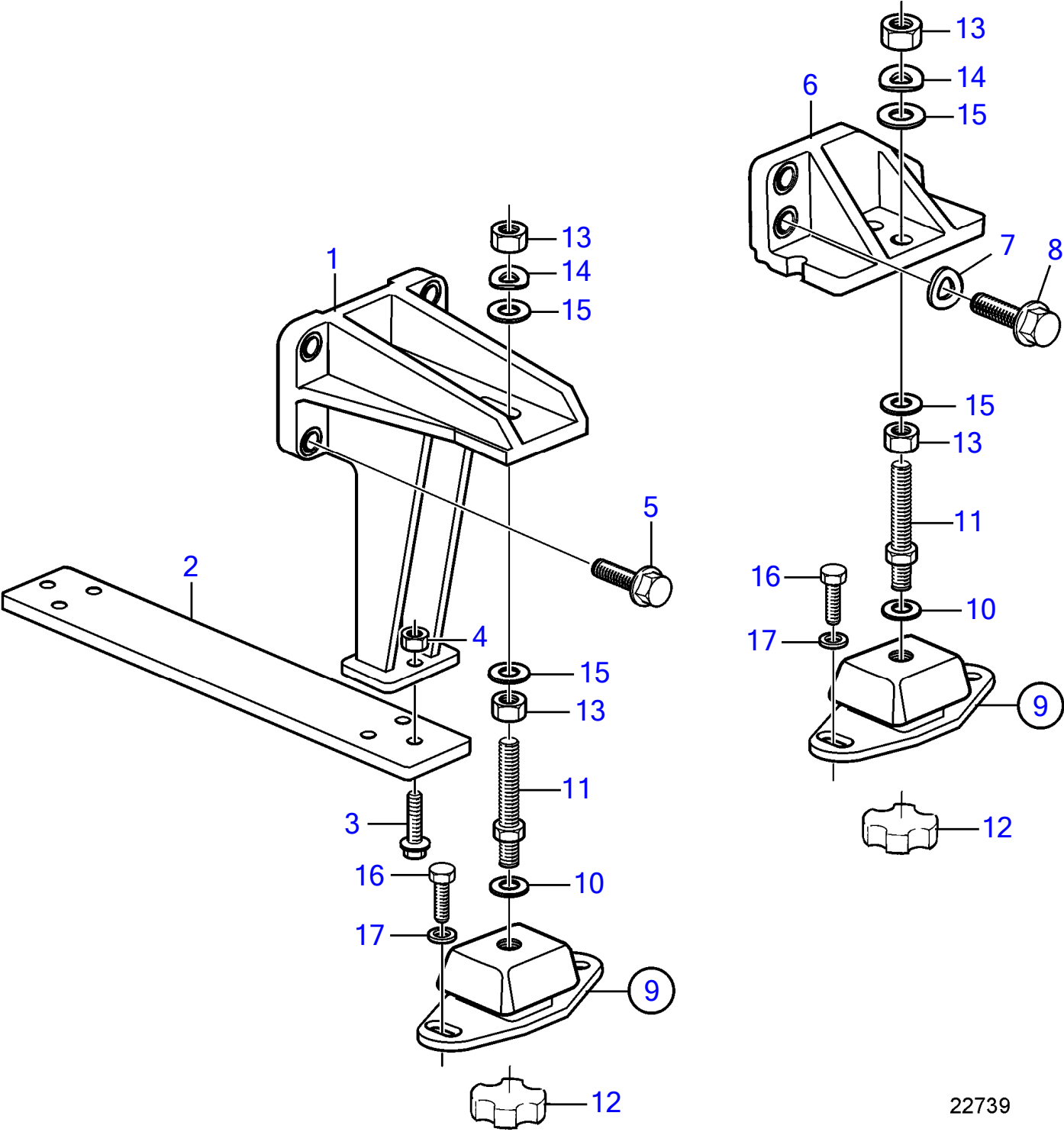
Ref	Part No.	Qty	Description	Notes
1	3580748	2	Engine bracket	
2	965192	8	Flange screw	L=40mm
3	940280	8	Spring washer	
4	843323	2	Rubber element	
5	860950	2	Adjuster screw	
6	843298	2	Washer	
7	955806	4	Hexagon nut	
8	955901	2	Washer	D=34mm
	978991	2	Washer	D=40mm
9	941913	2	Spring washer	
10	843299	2	Rubber disc	
11	843286	2	Pad	



21 Engine Mounting for Jack Shaft Installations

AD41L-A, AD41P-A, D41L-A

Ref	Part No.	Qty	Description	Notes
1	3580748	2	Engine bracket	
2	965192	8	Flange screw	L=40mm
3	940280	8	Spring washer	
4	843323	2	Rubber element	
5	860950	2	Adjuster screw	
6	843298	2	Washer	
7	955806	4	Hexagon nut	
8	955901	2	Washer	D=34mm
	978991	2	Washer	D=40mm
9	941913	2	Spring washer	
10	843299	2	Rubber disc	
11	843286	2	Pad	
12	860952	1	Engine bracket	P
	860954	1	Engine bracket	S.B
13	965225	6	Flange screw	D41
	965225	4	Flange screw	AD41
	965226	2	Flange screw	AD41
14	940280	6	Spring washer	D41
	940280	4	Spring washer	AD41
	955897	2	Washer	AD41
15	876597	2	Rubber element	
16	955900	2	Washer	
17	860950	2	Adjuster screw	
18	955806	4	Hexagon nut	
19	955901	2	Washer	D=34mm
	978991	2	Washer	D=40mm
20	941913	2	Spring washer	

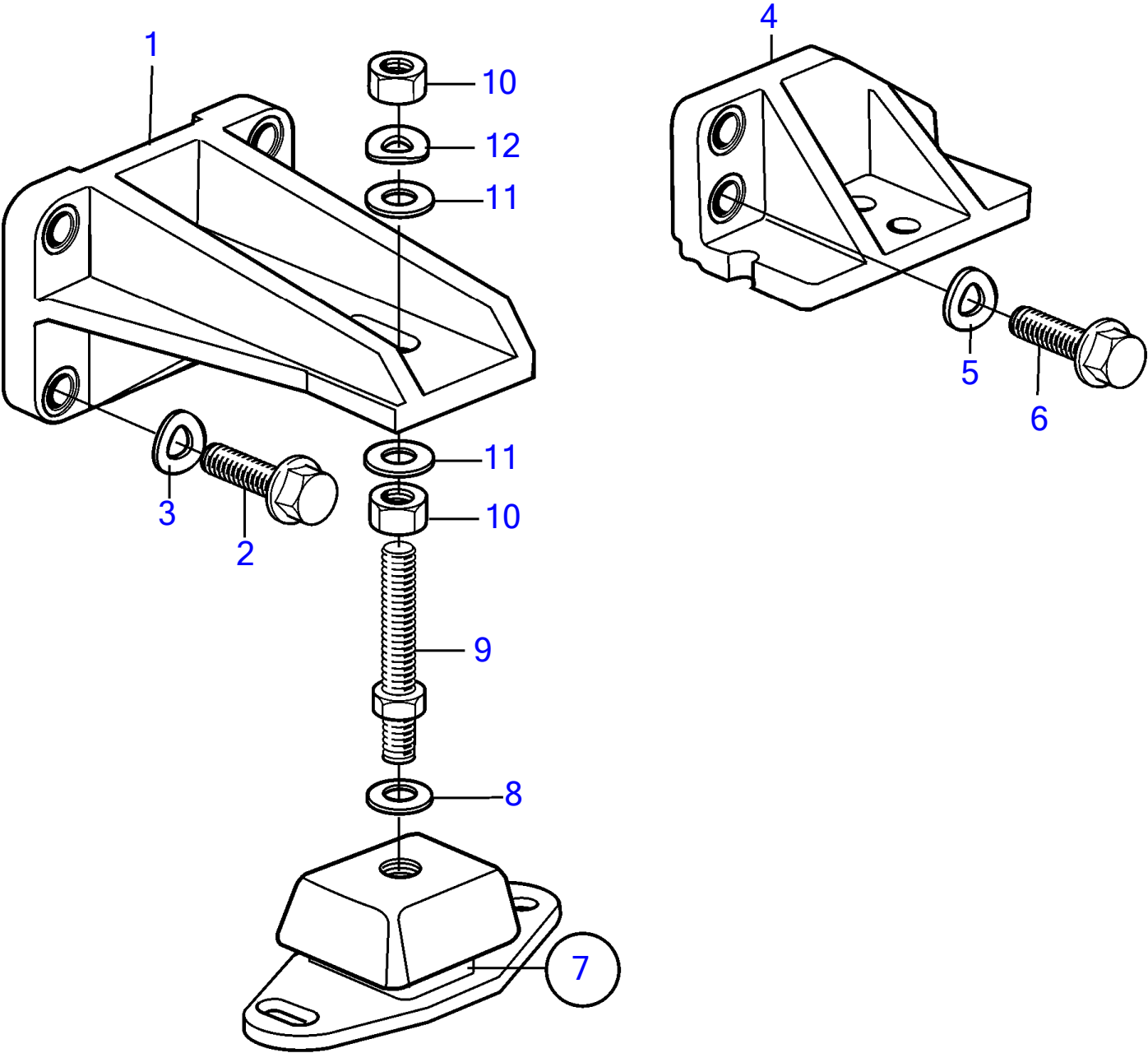


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21 Engine Suspension for SOLAS Version

TAMD31L-A, TAMD31M-A, TAMD41P-A

Ref	Part No.	Qty	Description	Notes
1	861121	2	Engine bracket	
2	858159	1	Bracket	
3	965191	6	Flange screw	L=30mm
4	971096	6	Flange nut	
5	965191	8	Flange screw	
6	860952	2	Engine bracket	
7	965225	4	Flange screw	L=35mm
	965226	2	Flange screw	L=45mm
8	940280	4	Spring washer	
9	858161	4	Rubber element	
10	955900	4	· Washer	
11	860950	4	· Adjuster screw	
12	843299	4	Rubber disc	
13	955806	8	Hexagon nut	
14	941913	4	Spring washer	
15	955901	4	Washer	D=34mm
	978991	4	Washer	D=40mm
16		8	Screw	
17		8	Washer	

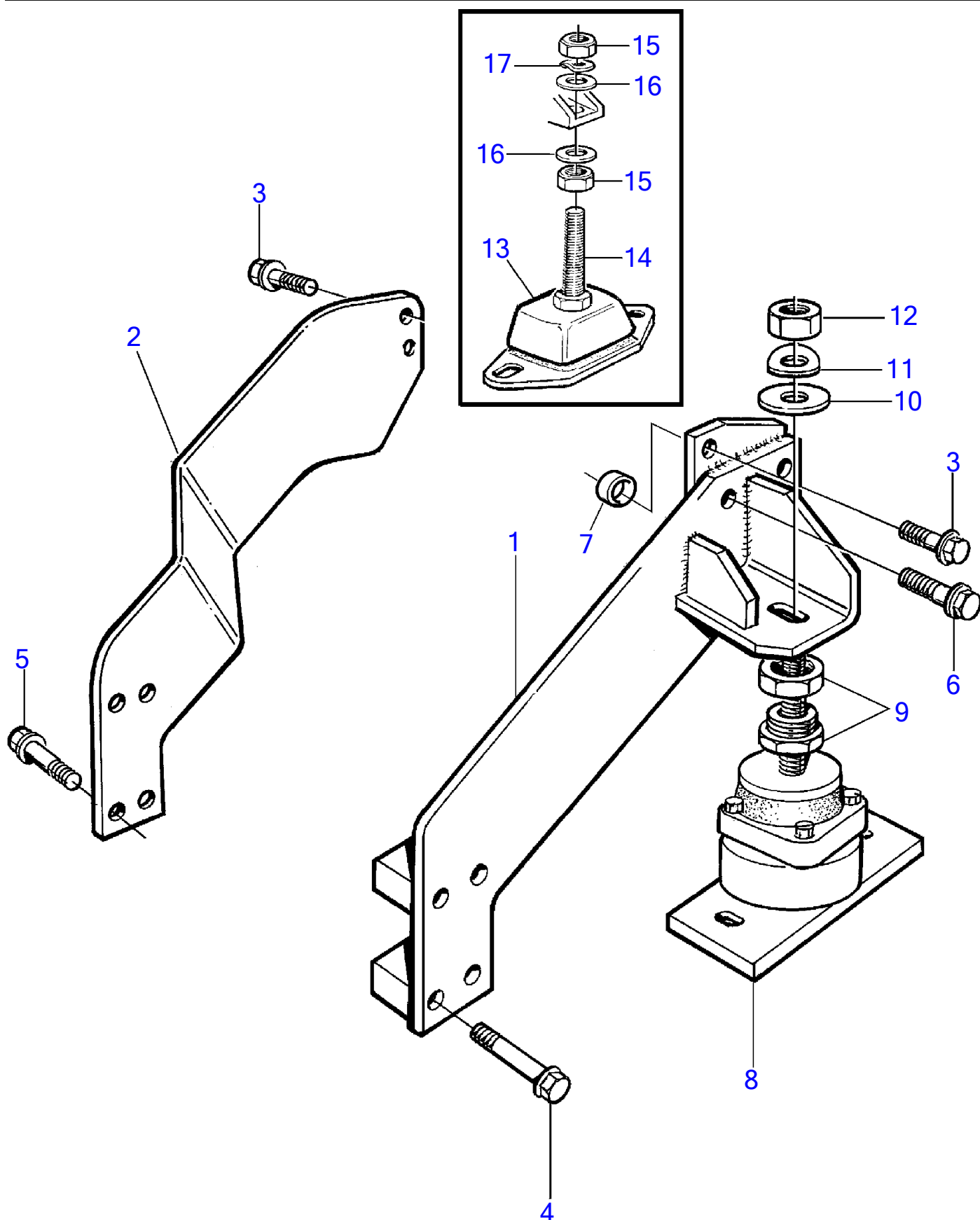


22709

21 Engine Mounting

TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

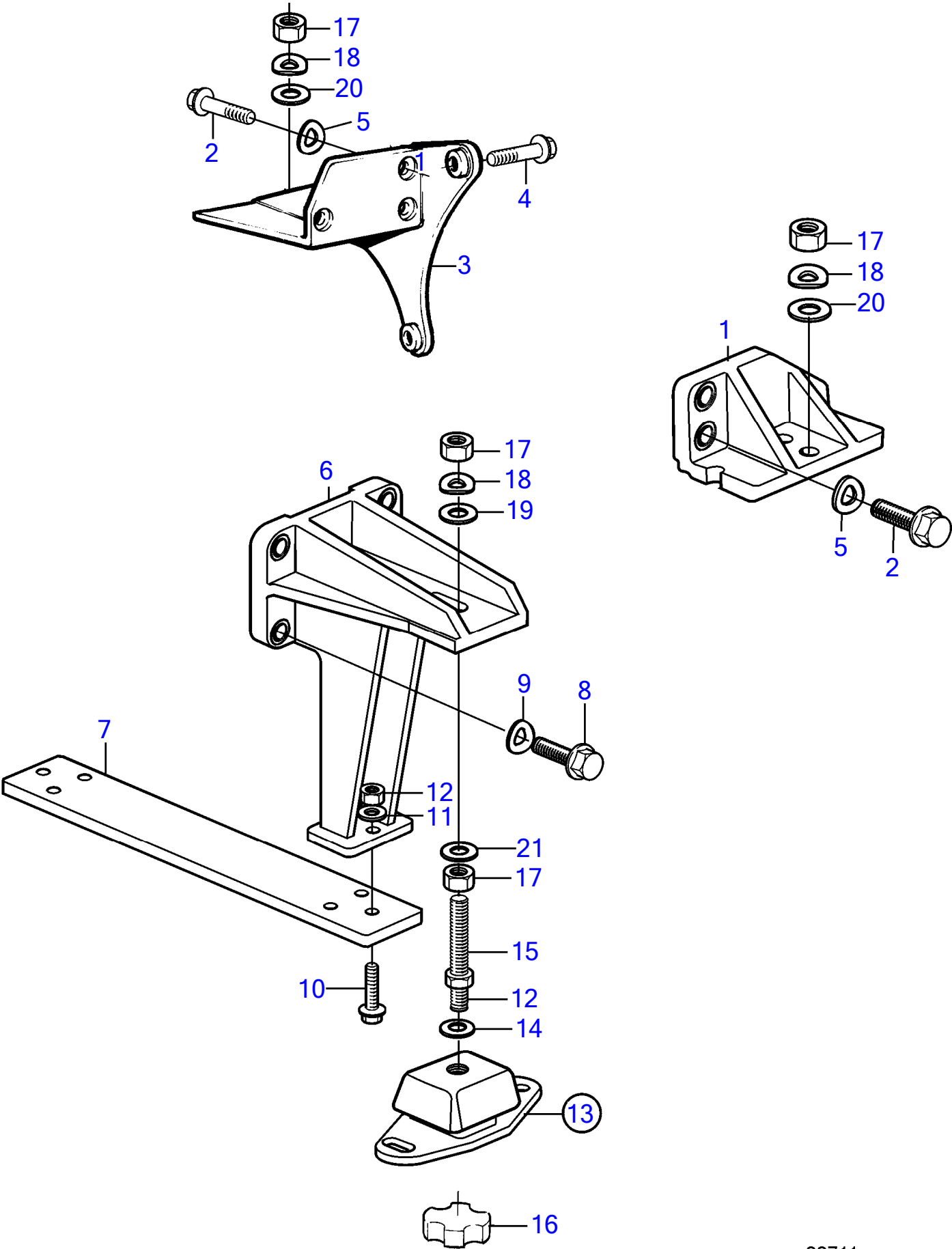
Ref	Part No.	Qty	Description	Notes
1	3580748	2	Engine bracket	Front
2	965192	8	Flange screw	
3	940280	8	Spring washer	
4	860952	1	Engine bracket	P, rear
	860954	1	Engine bracket	S.B, rear
5	940280	6	Spring washer	
6	965225	6	Flange screw	
7	858161	4	Rubber element	
8	955900	4	Washer	
9	860950	4	Adjuster screw	
10	955806	8	Hexagon nut	
11	955901	4	Washer	D=34mm
	978991	4	Washer	D=40mm
12	941913	4	Spring washer	



21 Engine Mounting

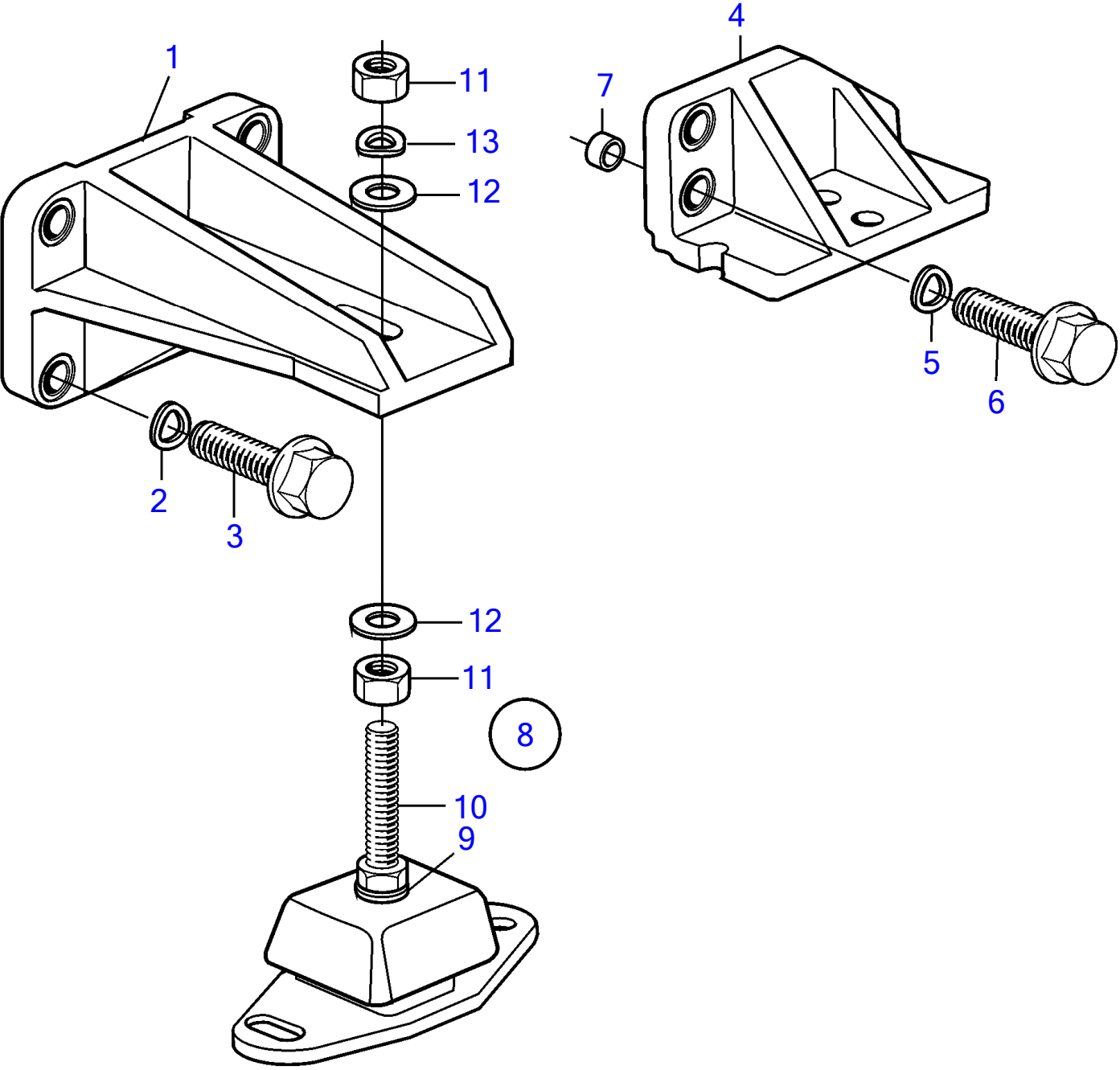
TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

Ref	Part No.	Qty	Description	Notes
1	3581381	1	Bracket	S.B
2	3581382	1	Bracket	P
3	965191	4	Flange screw	
4	965194	4	Flange screw	
5	965191	4	Flange screw	
6	965192	2	Flange screw	
7	843122	3	Spacer sleeve	
8	3581614	2	Rubber cushion	
9	3826709	2	Adjusting sleeve	
10	955900	2	Washer	
11	941912	2	Spring washer	
12	955805	2	Hexagon nut	
13	858161	2	Rubber element	
14	860950	2	Adjuster screw	
15	955806	4	Hexagon nut	
16	955901	2	Washer	D=34mm
	978991	4	Washer	D=40mm
17	941913	2	Spring washer	



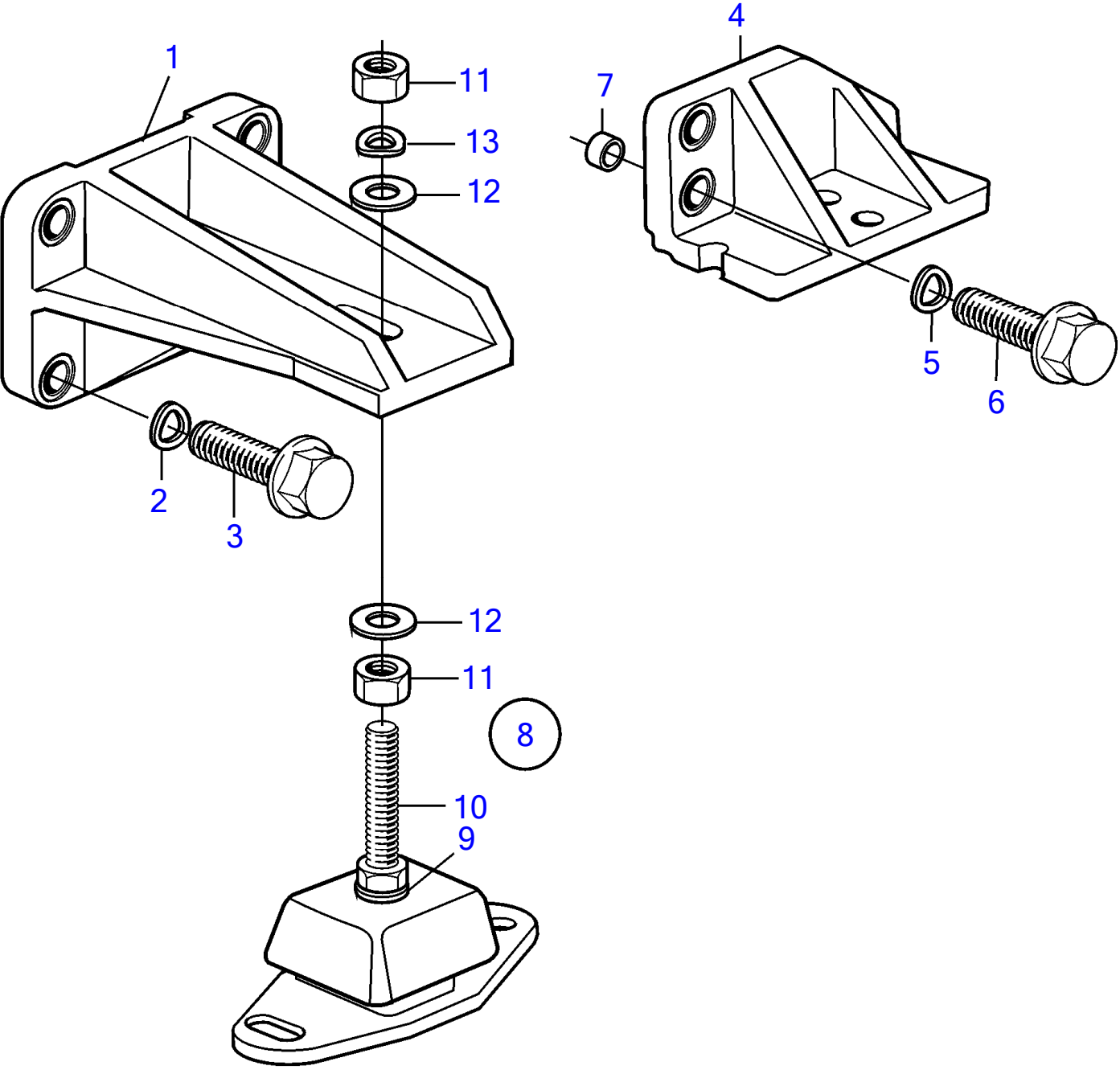
21 Engine Mounting for Jack Shaft Installations
TAMD41L-A

Ref	Part No.	Qty	Description	Notes
1	860952	1	Engine bracket	Rear
2	965225	4	Flange screw	L=35mm (966343)
	965226	2	Flange screw	L=45mm
3	(861122)	1	Engine bracket	Rear, Obsolete part
4	965186	3	Flange screw	
5	940280	4	Spring washer	D=20,5mm
	955897	2	Washer	D=24mm
6	861121	2	Engine bracket	
7	858159	1	Bracket	
8	965191	8	Flange screw	L=30mm
9	940280	8	Spring washer	
10	965191	6	Flange screw	
11	940280	6	Spring washer	
12	971096	6	Flange nut	
13	876597	4	Rubber element	
14	955900	4	Washer	
15	860950	4	Adjuster screw	
16	843299	4	Rubber disc	
17	955806	8	Hexagon nut	
18	941913	4	Spring washer	
19	978991	2	Washer	D=40mm
20	955901	2	Washer	D=34mm
21	978991	4	Washer	D=40mm

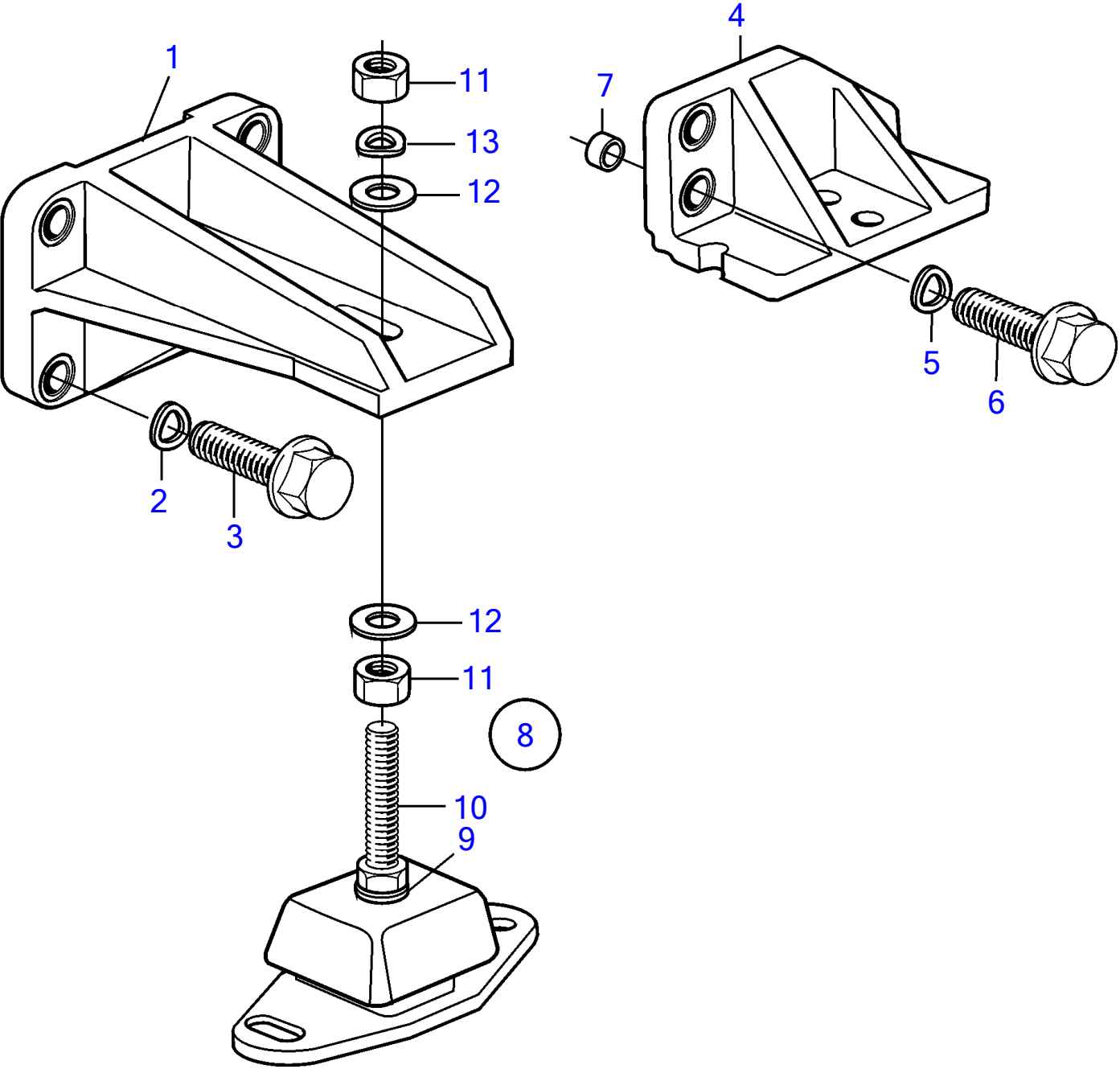


21 Engine Mounting: A
HS1A

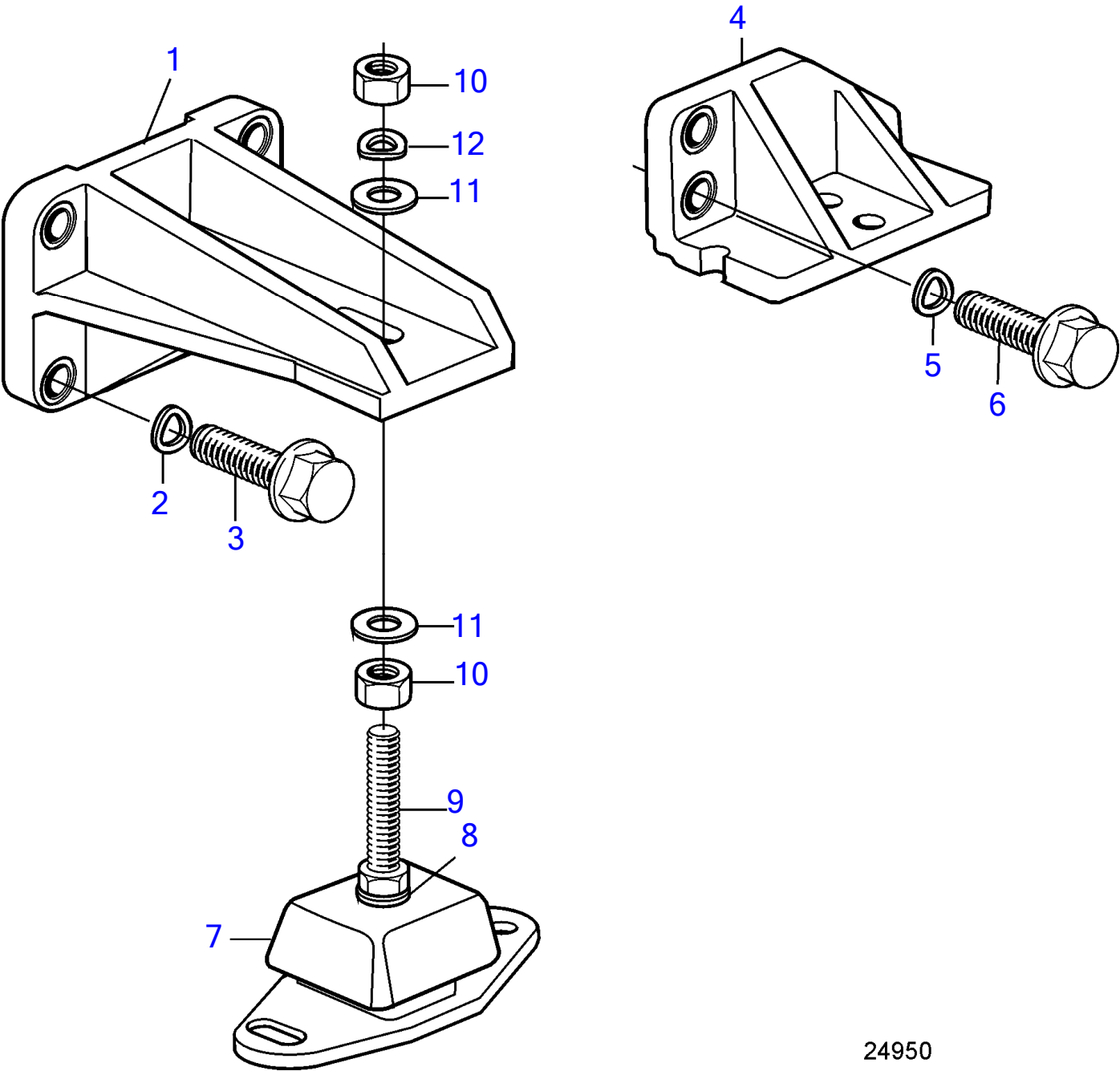
Ref	Part No.	Qty	Description	Notes
1	3580748	2	Engine bracket	Front
2	940280	6	Spring washer	
3	965192	6	Flange screw	L=40mm
	965193	2	Flange screw	L=50mm
4	860952	1	Engine bracket	P, rear
	860954	1	Engine bracket	S.B, rear
5	940280	6	Spring washer	
6	965225	6	Flange screw	
7	843122	3	Spacer sleeve	
8	846765	4	Rubber element	
9	955900	4	Washer	
10	860950	4	Adjuster screw	
11	955806	8	Hexagon nut	
12	955901	4	Washer	D=34mm
	978991	4	Washer	D=40mm
13	941913	4	Spring washer	



Ref	Part No.	Qty	Description	Notes
1	3580748	2	Engine bracket	Front
2	940280	6	Spring washer	
3	965192	6	Flange screw	L=40mm
	965193	2	Flange screw	L=50mm
4	860952	1	Engine bracket	P, rear
	860954	1	Engine bracket	S.B, rear
5	940280	6	Spring washer	
6	965225	6	Flange screw	
8	856834	4	Rubber cushion	
9	955900	4	Washer	
10	860950	4	Adjuster screw	
11	955806	8	Hexagon nut	
12	955901	4	Washer	D=34mm
	978991	4	Washer	D=40mm
13	941913	4	Spring washer	



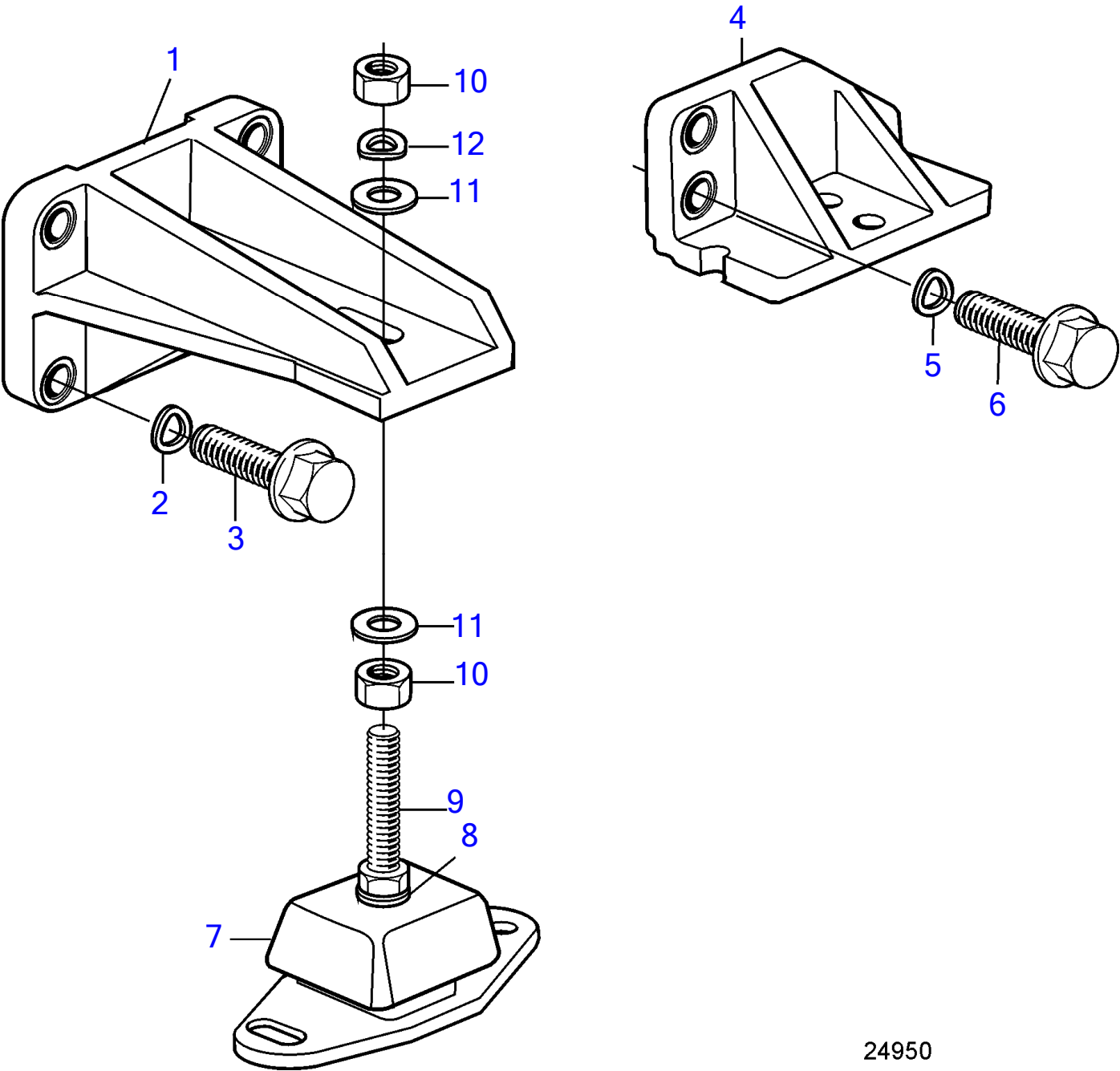
Ref	Part No.	Qty	Description	Notes
1	3580748	2	Engine bracket	Front
2	940280	6	Spring washer	
3	965192	6	Flange screw	L=40mm
	965193	2	Flange screw	L=50mm
4	860952	1	Engine bracket	P, rear
	860954	1	Engine bracket	S.B, rear
5	940280	6	Spring washer	
6	965225	6	Flange screw	
8	856834	4	Rubber cushion	
9	955900	4	Washer	
10	860950	4	Adjuster screw	
11	955806	8	Hexagon nut	
12	955901	4	Washer	D=34mm
	978991	4	Washer	D=40mm
13	941913	4	Spring washer	



24950

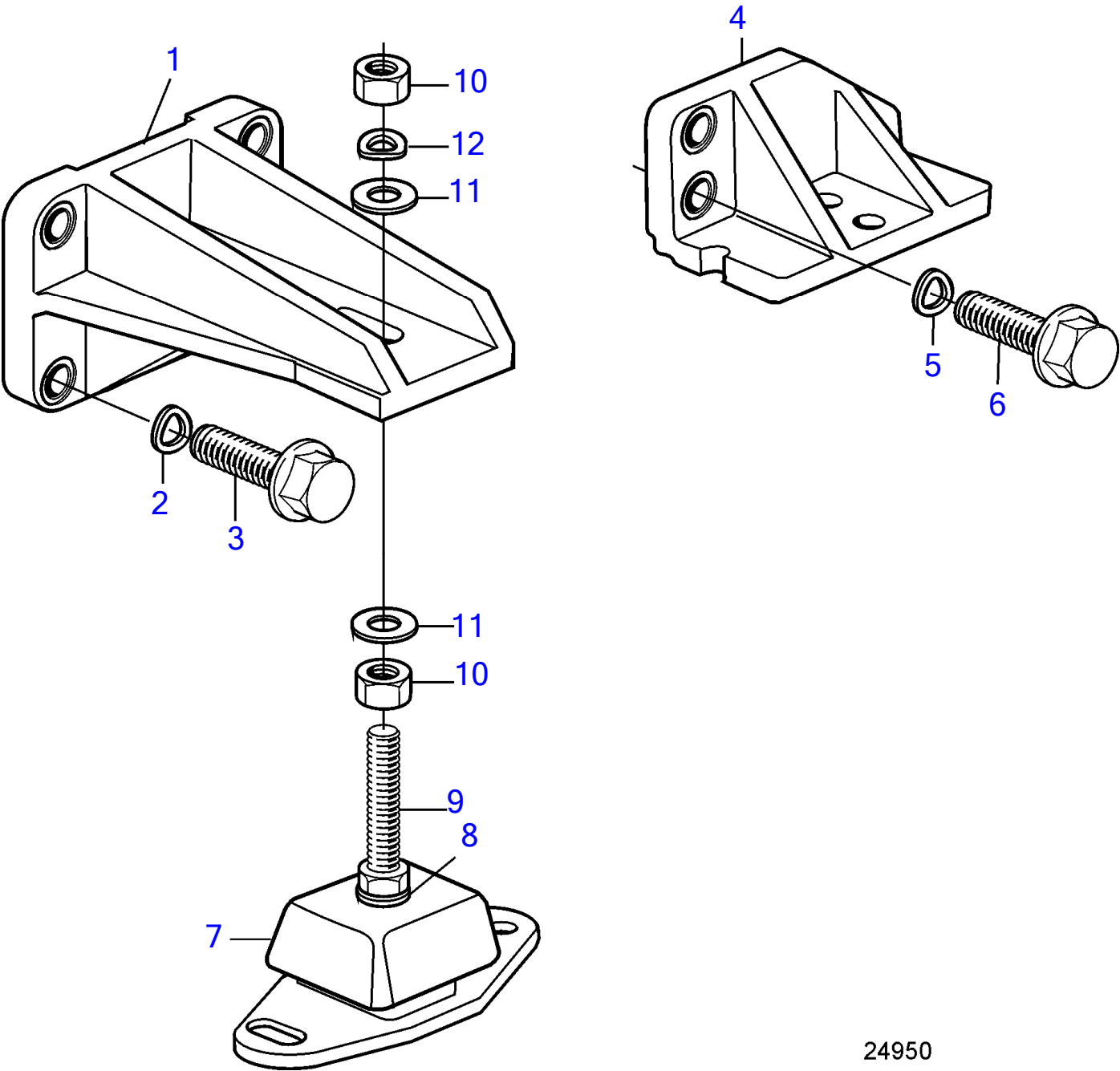
HS1A

Ref	Part No.	Qty	Description	Notes
1	3580748	2	Engine bracket	Front
2	965192	8	Flange screw	L=40mm
3	940280	8	Spring washer	
4	860952	1	Engine bracket	P, rear
	860954	1	Engine bracket	S.B, rear
5	940280	6	Spring washer	
6	965225	6	Flange screw	L=35mm
7	876597	4	Rubber element	
8	955900	4	Washer	
9	860950	4	Adjuster screw	
10	955806	8	Hexagon nut	
11	955901	4	Washer	D=34mm
	978991	4	Washer	D=40mm
12	941913	4	Spring washer	



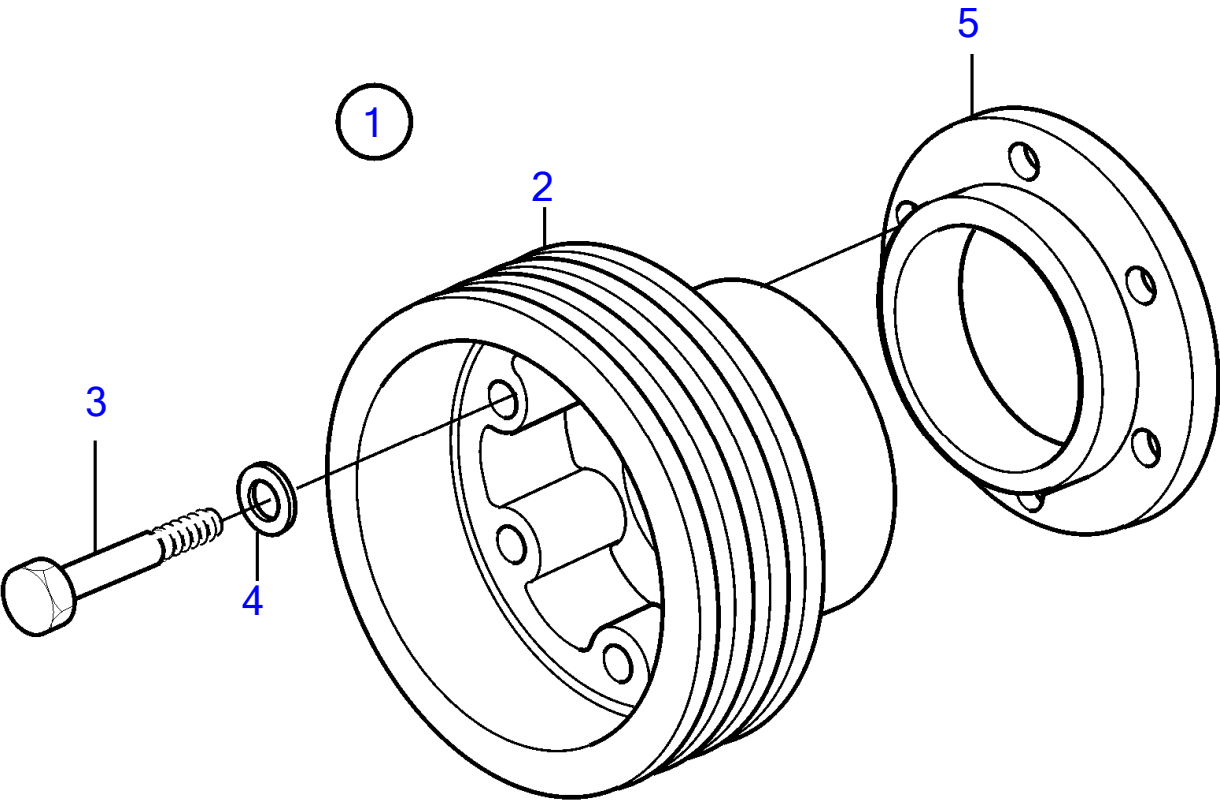
24950

Ref	Part No.	Qty	Description	Notes
1	3580748	2	Engine bracket	Front
2	965192	8	Flange screw	L=40mm
3	940280	8	Spring washer	
4	860952	1	Engine bracket	P, rear
	860954	1	Engine bracket	S.B, rear
5	940280	6	Spring washer	
6	965225	6	Flange screw	L=35mm
7	856834	4	Rubber cushion	Alt, 55 shore
8	955900	4	Washer	
9	860950	4	Adjuster screw	
10	955806	8	Hexagon nut	
11	955901	4	Washer	D=34mm
	978991	4	Washer	D=40mm
12	941913	4	Spring washer	



24950

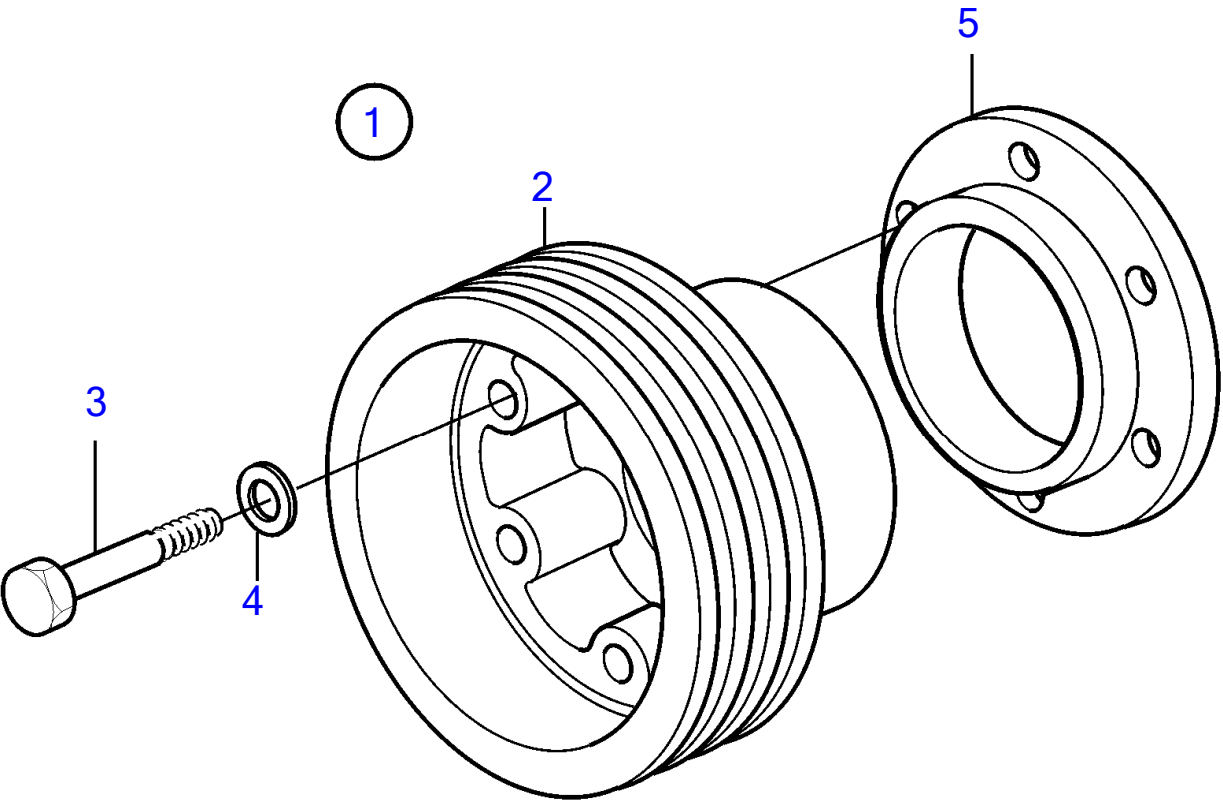
Ref	Part No.	Qty	Description	Notes
1	3580748	2	Engine bracket	Front
2	965192	8	Flange screw	L=40mm
3	940280	8	Spring washer	
4	860952	1	Engine bracket	P, rear
	860954	1	Engine bracket	S.B, rear
5	940280	6	Spring washer	
6	965225	6	Flange screw	L=35mm
7	856834	4	Rubber cushion	
8	955900	4	Washer	
9	860950	4	Adjuster screw	
10	955806	8	Hexagon nut	
11	955901	4	Washer	D=34mm
	978991	4	Washer	D=40mm
12	941913	4	Spring washer	



21 Extra Pulley: TYPE HC50

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A,
TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

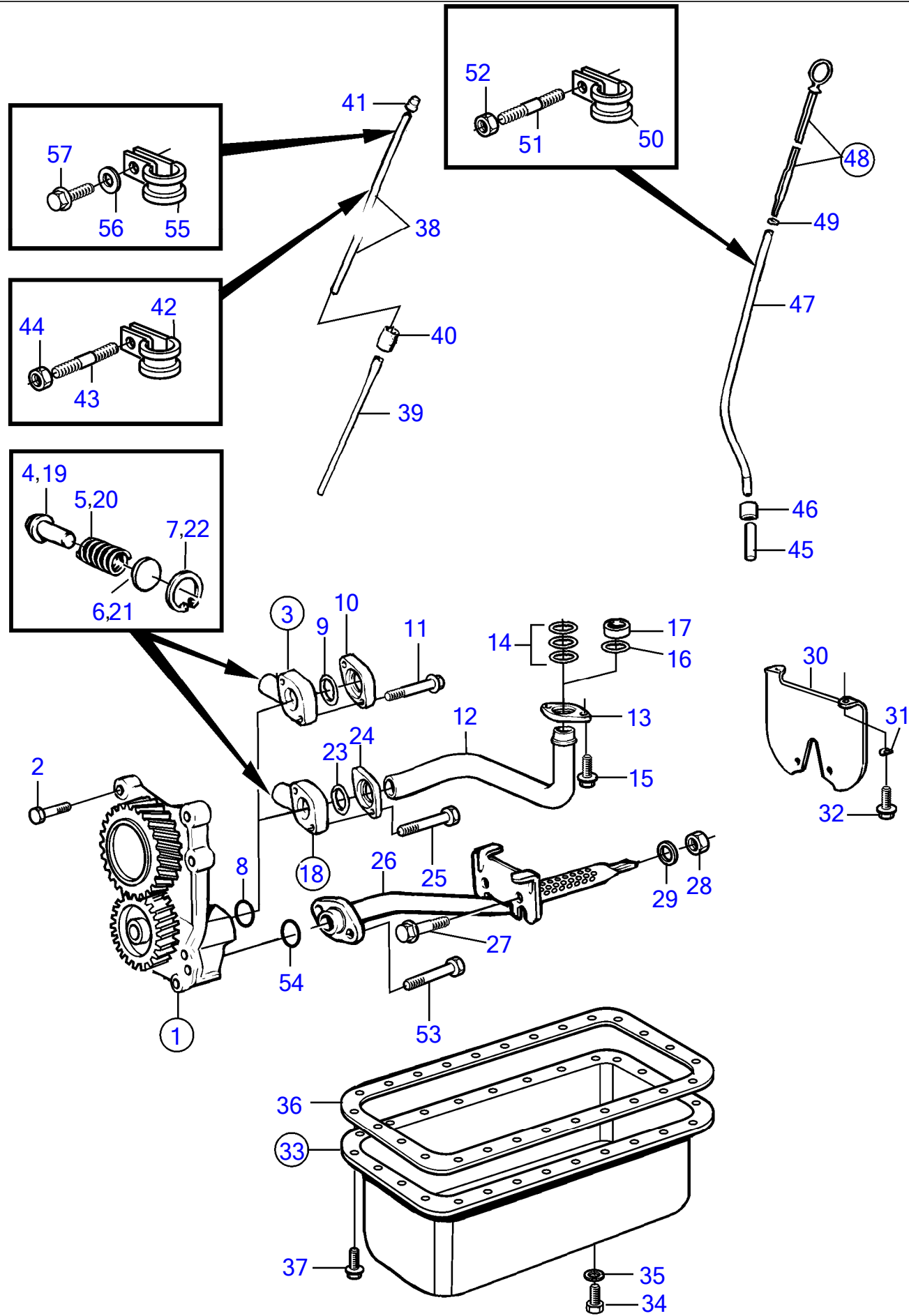
Ref	Part No.	Qty	Description
1	861157	1	Pulley
2	861123	1	• Pulley
3	963233	6	• Hexagon screw
4	941907	6	• Spring washer
5	860870	1	• Spacer



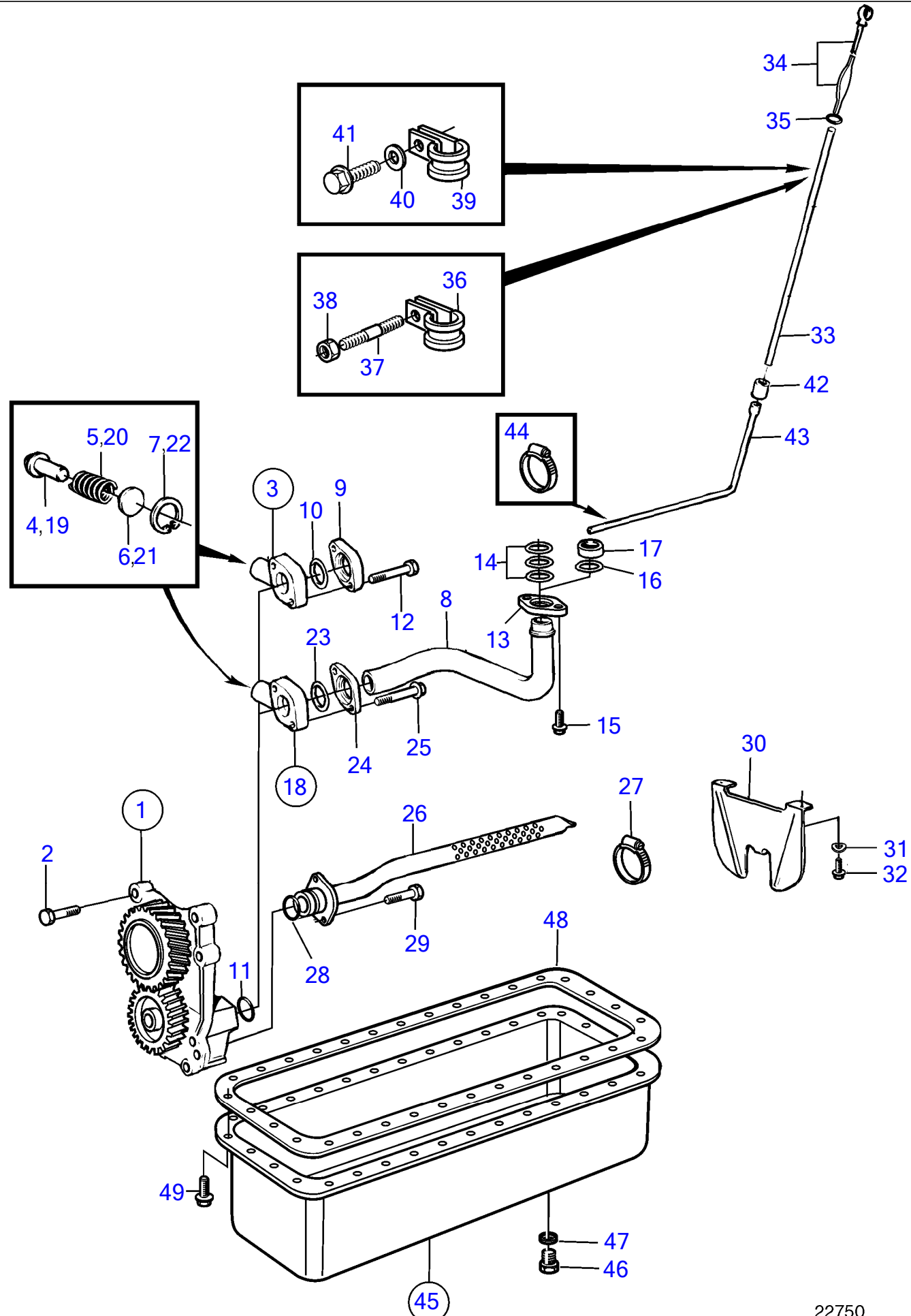
21 Extra Pulley: TYPE B

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A,
TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	(861158)	1	Pulley	Obsolete part
2	861154	1	• Pulley	
3	963233	6	• Hexagon screw	
4	941907	6	• Spring washer	
5	860870	1	• Spacer	



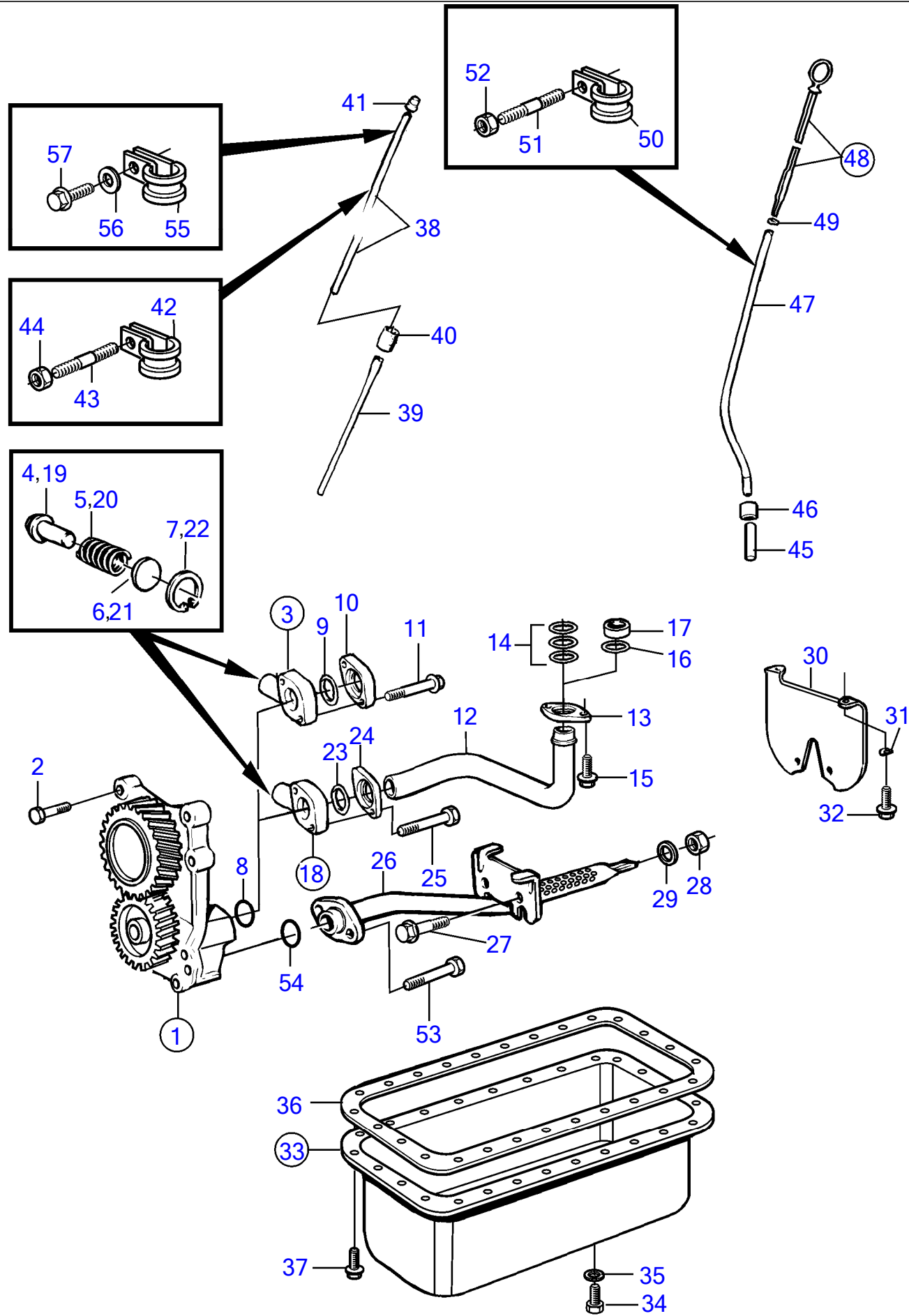
Ref	Part No.	Qty	Description	Notes
1	860721	1	Oil pump	
			.	
			.	
2	948217	4	Flange screw	
3		1	Reducing valve	Repl by 3581308
4	471115	1	• Reduction valve	
5	1542257	1	• Spring	
6	948343	1	• Disc	
7	914506	1	• Snap ring	
8	469482	1	Sealing ring	
9	1545271	1	Sealing ring	Early type
10		1	Flange	TH=15mm, Repl by 3581206
11	965183	2	Flange screw	L=90mm
12	860821	1	Delivery pipe	
13	1542248	1	Flange	
14		3	Sealing ring	Early type
15	946173	2	Flange screw	
16	976039	1	O-ring	Late type, Obsolete part
17	471956	1	Gasket	Late type
18	3581308	1	Reducing valve	
			• Bulletin 44-32	Reduction Valve D31, 41, 42
			• Bulletin 44-32A	Reduction Valve D31, 41, 42
19	471115	1	• Reduction valve	
20	1542257	1	• Spring	
21	948343	1	• Disc	
22	914506	1	• Snap ring	
23	976039	1	O-ring	Obsolete part
24	3581206	1	Flange	TH=8mm
25	965184	2	Flange screw	L=100mm
26	861321	1	Suction pipe	
27	946173	2	Flange screw	
28	948645	2	Flange lock nut	
29	976944	2	Washer	
30	859587	1	Baffle plate	
31	942385	2	Disc spring	
32	946440	2	Flange screw	
33	3583865	1	Oil pan	(861152)
34	948187	1	Plug	Early type
35	18818	1	Gasket	Early type
36	861250	1	Gasket	
37	946440	26	Flange screw	
38	861099	1	Tube	
39	846007	1	Tube	
40	843533	1	Rubber hose	
41	943585	1	Plug	
42	949746	1	Clamp	
43		1	Stud	See group 25
44		1	Nut	See group 25
45	843692	1	Tube	
46	843533	1	Rubber hose	
47	861099	1	Tube	
48	861087	1	Dipstick	
49	960155	1	• O-ring	
50	949746	1	Clamp	
51	984130	1	Stud	
52	945408	1	Flange nut	
53	965217	2	Flange screw	
54	469483	1	Sealing ring	
55	949746	1	Clamp	
56	955893	1	Washer	
57	948746	1	Flange screw	(968855)



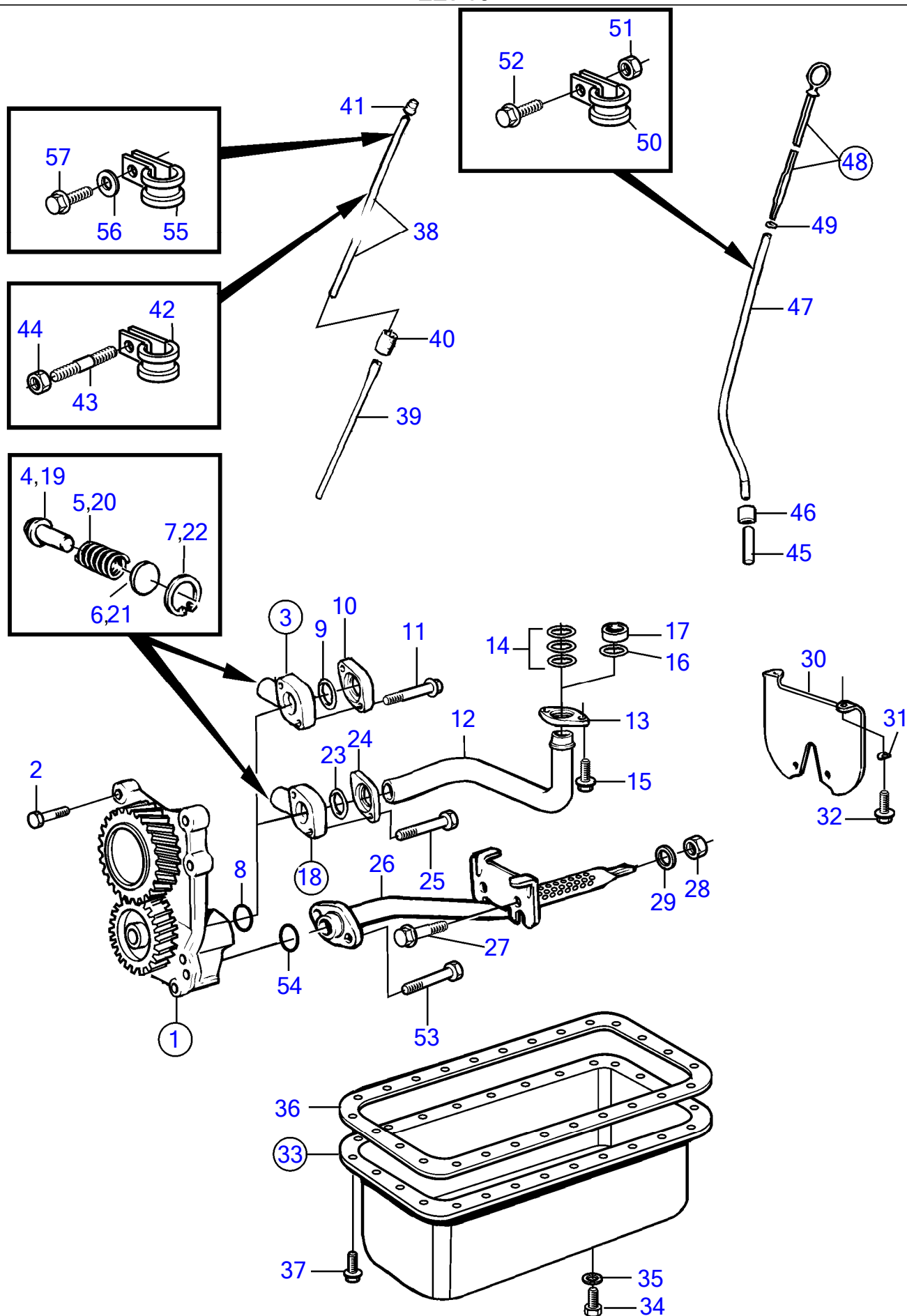
22 Lubricating System

AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A,
TMD41L-A

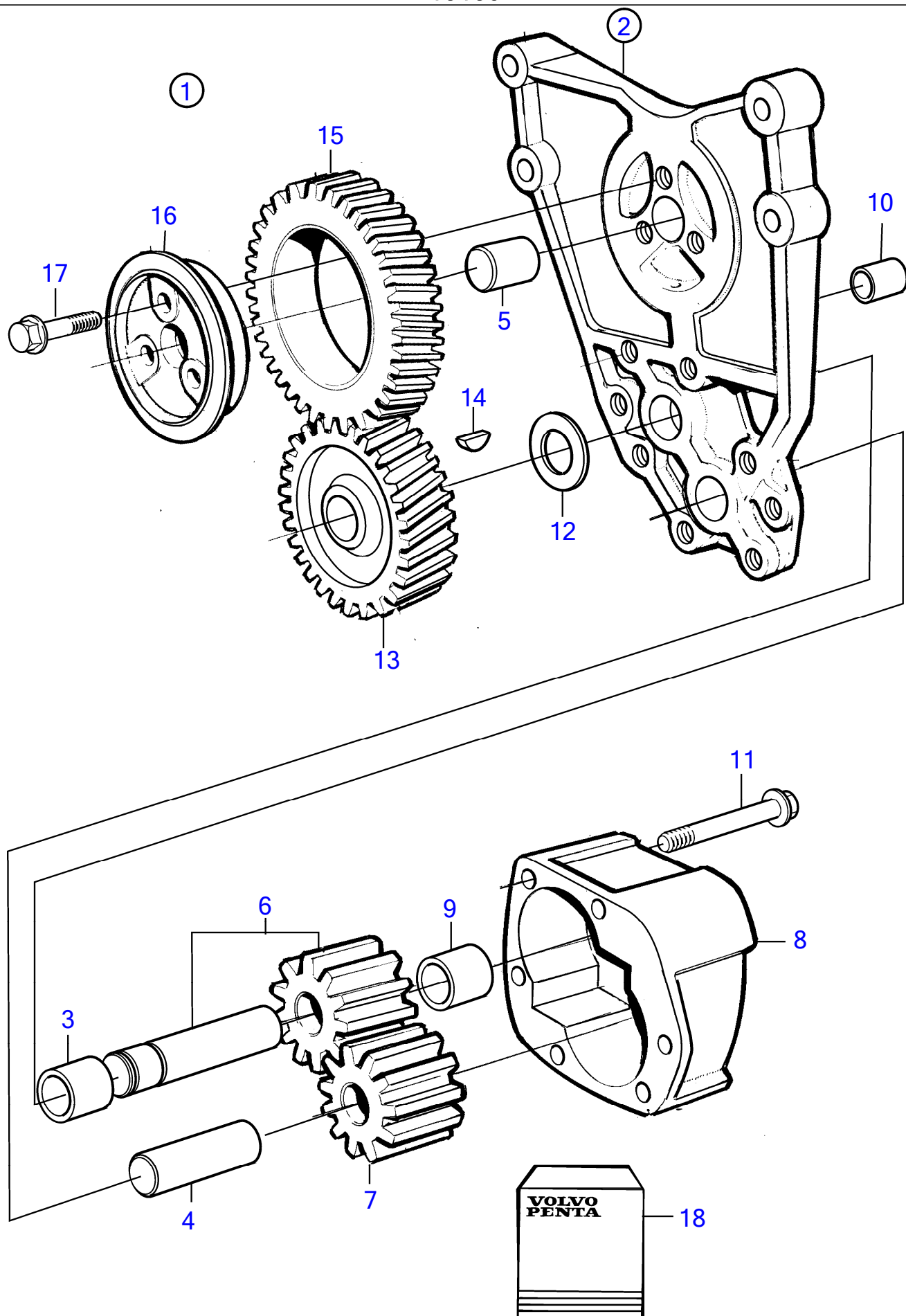
Ref	Part No.	Qty	Description	Notes
1	860721	1	Oil pump	
			.	
			.	
2	948217	4	Flange screw	
3		1	Reducing valve	Repl by 3581308
4	471115	1	• Reduction valve	
5	1542257	1	• Spring	
6	948343	1	• Disc	
7	914506	1	• Snap ring	
8	860821	1	Delivery pipe	
9		1	Flange	TH=15mm, Repl by 3581206
10	1545271	1	Sealing ring	
11	469482	1	Sealing ring	
12	965184	2	Flange screw	L=100mm
13	1542248	1	Flange	
14		3	Sealing ring	Earlier production with 3 gaskets have been replaced by 1 ea gasket 980936 plus 1 ea gask
15	946173	2	Flange screw	
16	976039	1	O-ring	Late type, Obsolete part
17	471956	1	Gasket	Late type
18	3581308	1	Reducing valve	
			• Bulletin 44-32	Reduction Valve D31, 41, 42
			• Bulletin 44-32A	Reduction Valve D31, 41, 42
19	471115	1	• Reduction valve	
20	1542257	1	• Spring	
21	948343	1	• Disc	
22	914506	1	• Snap ring	
23	976039	1	O-ring	Obsolete part
24	3581206	1	Flange	TH=8mm
25	965183	1	Flange screw	L=90mm
26	861064	1	Suction pipe	
27	943472	1	Hose clamp	
28	469483	1	Sealing ring	
29	965217	2	Flange screw	
30	860999	1	Baffle plate	
31	942385	2	Disc spring	
32	946440	2	Flange screw	
33	861100	1	Tube	
34	861087	1	Dipstick	
35	960155	1	O-ring	
36	949746	1	Clamp	Early type
37	984130	1	Stud	Early type
38	945408	1	Flange nut	Early type
39	949746	1	Clamp	Late type
40	955893	1	Washer	Late type
41	948746	1	Flange screw	Late type
42	843533	1	Rubber hose	
43	861083	1	Suction pipe	
44	994555	1	Hose clamp	
45	861151	1	Oil pan	
46	18818	1	Gasket	Early type
47	948187	1	Plug	Early type
48	861251	1	Gasket	
49	946440	32	Flange screw	



Ref	Part No.	Qty	Description	Notes
1	860721	1	Oil pump	
			.	
			.	
2	948217	4	Flange screw	
3		1	Reducing valve	Repl by 3581308
4	471115	1	• Reduction valve	
5	1542257	1	• Spring	
6	948343	1	• Disc	
7	914506	1	• Snap ring	
8	469482	1	Sealing ring	
9	1545271	1	Sealing ring	Early type
10		1	Flange	TH=15mm, Repl by 3581206
11	965183	2	Flange screw	L=90mm
12	860821	1	Delivery pipe	
13	1542248	1	Flange	
14		3	Sealing ring	Early type
15	946173	2	Flange screw	
16	976039	1	O-ring	Late type, Obsolete part
17	471956	1	Gasket	Late type
18	3581308	1	Reducing valve	
			• Bulletin 44-32	Reduction Valve D31, 41, 42
			• Bulletin 44-32A	Reduction Valve D31, 41, 42
19	471115	1	• Reduction valve	
20	1542257	1	• Spring	
21	948343	1	• Disc	
22	914506	1	• Snap ring	
23	976039	1	O-ring	Obsolete part
24	3581206	1	Flange	TH=8mm
25	965184	2	Flange screw	L=100mm
26	861321	1	Suction pipe	
27	946173	2	Flange screw	
28	948645	2	Flange lock nut	
29	976944	2	Washer	
30	859587	1	Baffle plate	
31	942385	2	Disc spring	
32	946440	2	Flange screw	
33	3583865	1	Oil pan	(861152)
34	948187	1	Plug	Early type
35	18818	1	Gasket	Early type
36	861250	1	Gasket	
37	946440	26	Flange screw	
38	861099	1	Tube	
39	846007	1	Tube	
40	843533	1	Rubber hose	
41	943585	1	Plug	
42	949746	1	Clamp	
43		1	Stud	See group 25
44		1	Nut	See group 25
45	843692	1	Tube	
46	843533	1	Rubber hose	
47	861099	1	Tube	
48	861087	1	Dipstick	
49	960155	1	• O-ring	
50	949746	1	Clamp	
51	984130	1	Stud	
52	945408	1	Flange nut	
53	965217	2	Flange screw	
54	469483	1	Sealing ring	
55	949746	1	Clamp	
56	955893	1	Washer	
57	948746	1	Flange screw	(968855)



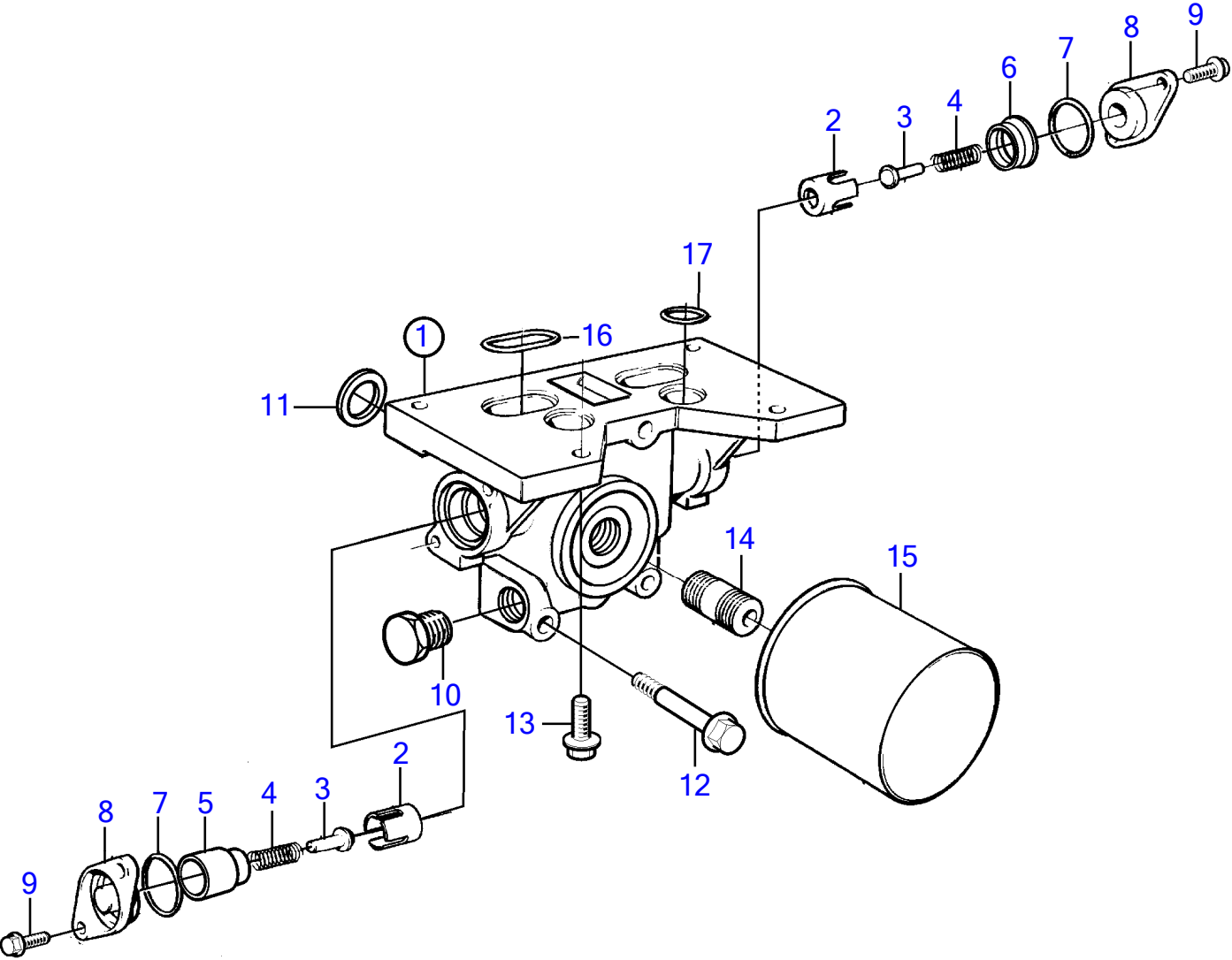
Ref	Part No.	Qty	Description	Notes
1	860721	1	Oil pump	
			.	
			.	
2	948217	4	Flange screw	
3		1	Reducing valve	Repl by 3581308
4	471115	1	• Reduction valve	
5	1542257	1	• Spring	
6	948343	1	• Disc	
7	914506	1	• Snap ring	
8	469482	1	Sealing ring	
9	1545271	1	Sealing ring	Early type
10		1	Flange	TH=15mm, Repl by 3581206
11	965184	2	Flange screw	L=100mm
12	860821	1	Delivery pipe	
13	1542248	1	Flange	
14		3	Sealing ring	Early type
15	946173	2	Flange screw	
16	976039	1	O-ring	Late type, Obsolete part
17	471956	1	Gasket	Late type
18	3581308	1	Reducing valve	
			• Bulletin 44-32	Reduction Valve D31, 41, 42
			• Bulletin 44-32A	Reduction Valve D31, 41, 42
19	471115	1	• Reduction valve	
20	1542257	1	• Spring	
21	948343	1	• Disc	
22	914506	1	• Snap ring	
23	976039	1	O-ring	Obsolete part
24	3581206	1	Flange	TH=8mm
25	965183	2	Flange screw	L=90mm
26	861321	1	Suction pipe	
27	946173	2	Flange screw	
28	948645	2	Flange lock nut	
29	976944	2	Washer	
30	859587	1	Baffle plate	
31	942385	2	Disc spring	
32	946440	2	Flange screw	
33	3583865	1	Oil pan	(861152)
34	948187	1	Plug	Early type
35	18818	1	Gasket	Early type
36	861250	1	Gasket	
37	946440	26	Flange screw	
38	861099	1	Tube	
39	846007	1	Tube	
40	843533	1	Rubber hose	
41	943585	1	Plug	
42	949746	1	Clamp	
43		1	Stud	See group 25
44		1	Nut	See group 25
45	843692	1	Tube	
46	843533	1	Rubber hose	
47	861099	1	Tube	
48	861087	1	Dipstick	
49	960155	1	O-ring	
50	949746	1	Clamp	
51	855314	1	Spacer nut	
52	946440	1	Flange screw	
53	965217	2	Flange screw	
54	469483	1	Sealing ring	
55	949746	1	Clamp	
56	955893	1	Washer	
57	948746	1	Flange screw	(968855)



22 Oil Pump, Components

AD31L-A, AD31P-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

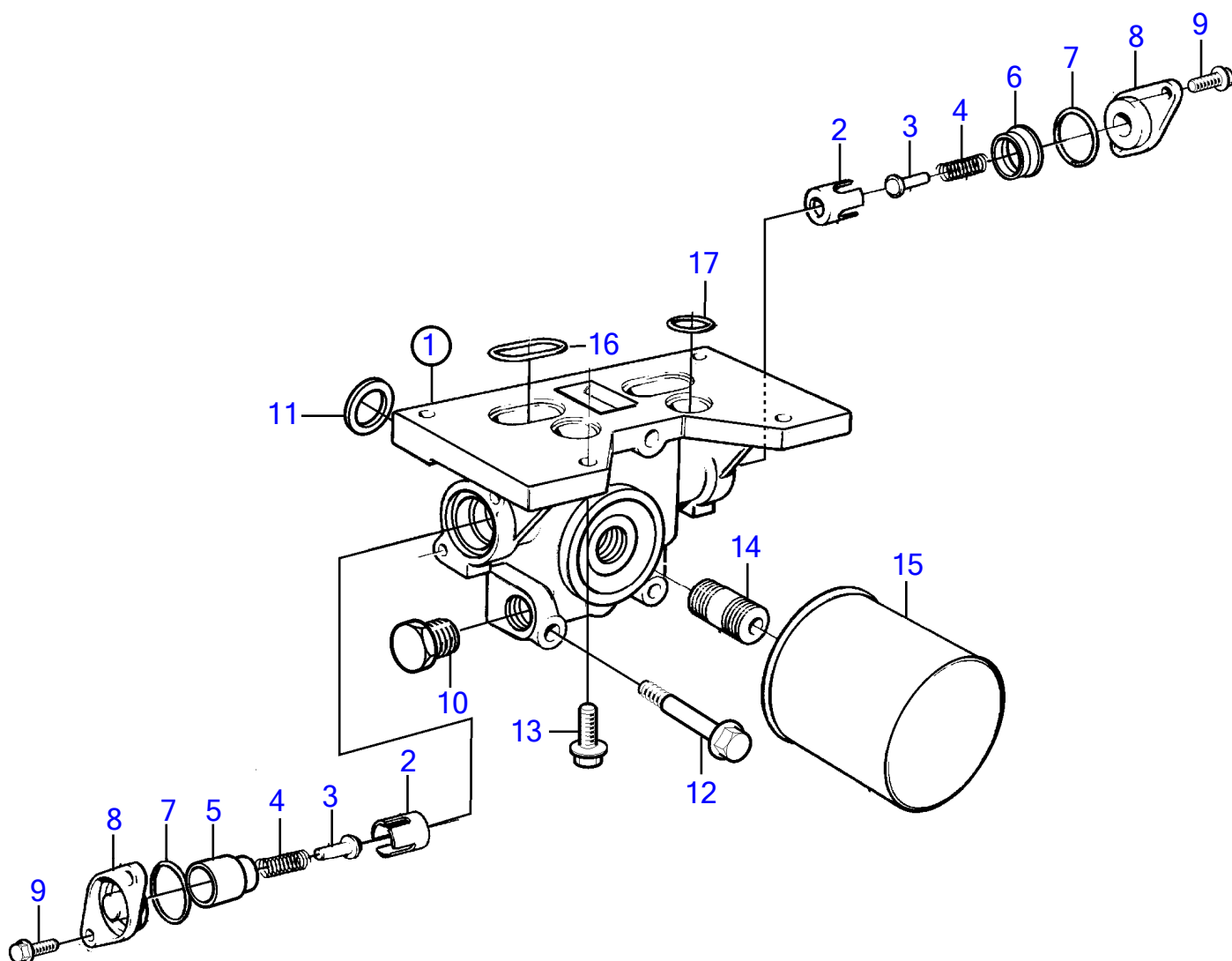
Ref	Part No.	Qty	Description	Notes
1	860721	1	Oil pump	
2	(1542211)	1	• Bracket	Obsolete part
3	470234	1	• • Bushing	
4	420043	1	• • Pivot pin	
5	(950614)	1	• • Pin	Obsolete part
6	860722	1	• Shaft, with gear	
7	425185	1	• Gear	
8		1	• Housing	
9	401146	2	• Guide sleeve	
10	470234	1	• Bushing	
11	973924	2	• Flange screw	
12	424133	1	• Washer	
13	1542214	1	• Gear	
14	910115	1	• Woodruff key	
15	1542215	1	• Oil pump wheel	
16	1542218	1	• Bearing sleeve	
17	946470	3	• Flange screw	
18	276166	1	Oil pump kit	See group 99



22 Oil Filter Housing

AD31L-A, AD31P-A, TAM31L-A, TAM31M-A, TAM31P-A, TAM31S-A, TMD31L-A

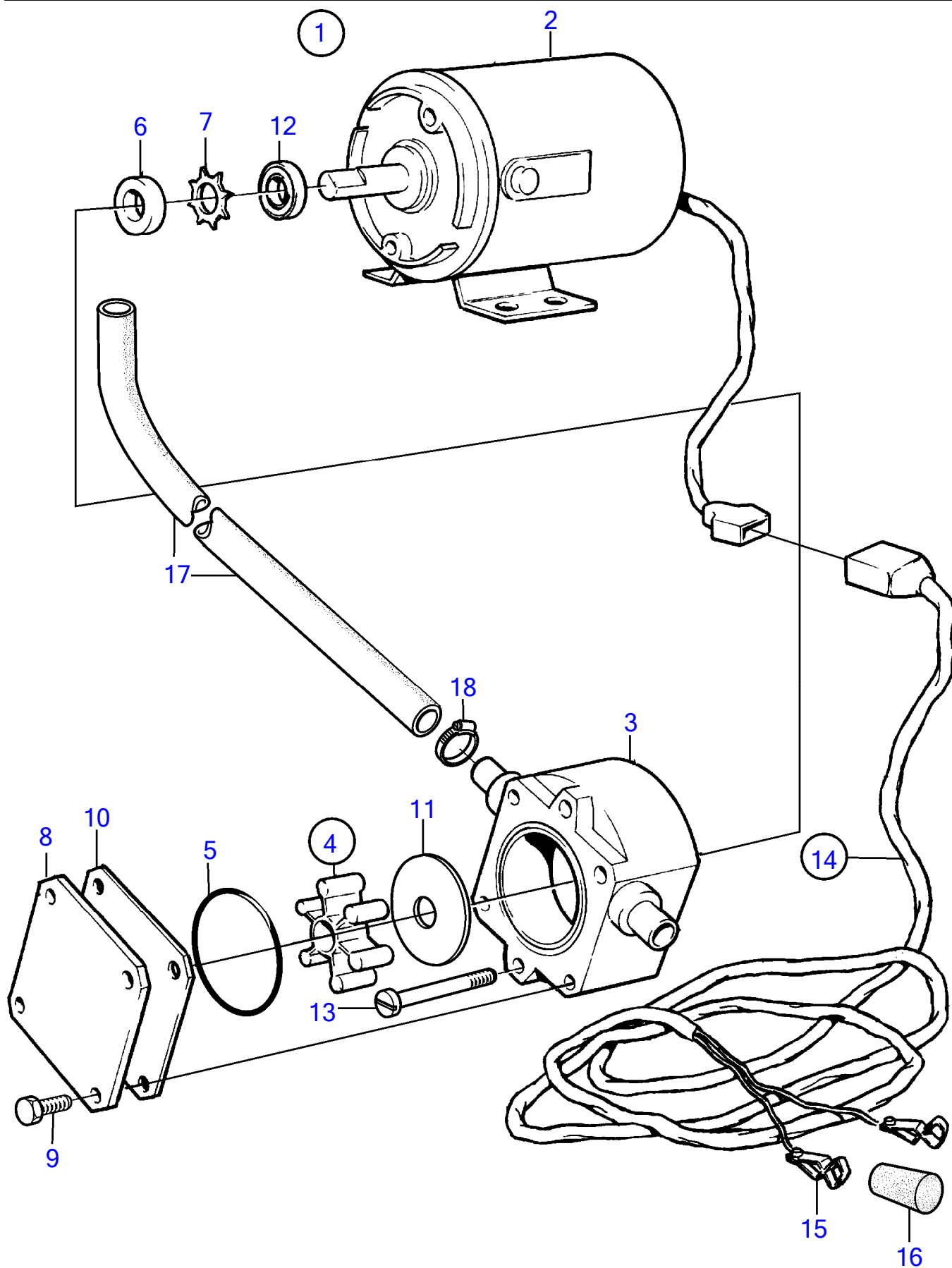
Ref	Part No.	Qty	Description	Notes
1	3581943	1	Oil filter housing	
2	1542265	2	• Valve seat	
3	471085	2	• Valve cone	
4	468087	2	• Spring	
5	3581951	1	• Sleeve	
6	3581950	1	• Sleeve	
7	949659	2	• O-ring	
8	1542267	2	• Cover	
9	946544	4	• Flange screw	
10	479977	1	• Plug	
11	469483	4	Sealing ring	
12	965182	3	Flange screw	
13	946671	4	Flange screw	
14	846015	1	Nipple	
15	3517857	1	Oil filter	
			• Bulletin P-18-3-11	QUANT PAC of Maintenance parts
16	859086	2	Sealing ring	
17	469483	2	Sealing ring	



22 Oil Filter Housing

AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A,
TMD41L-A

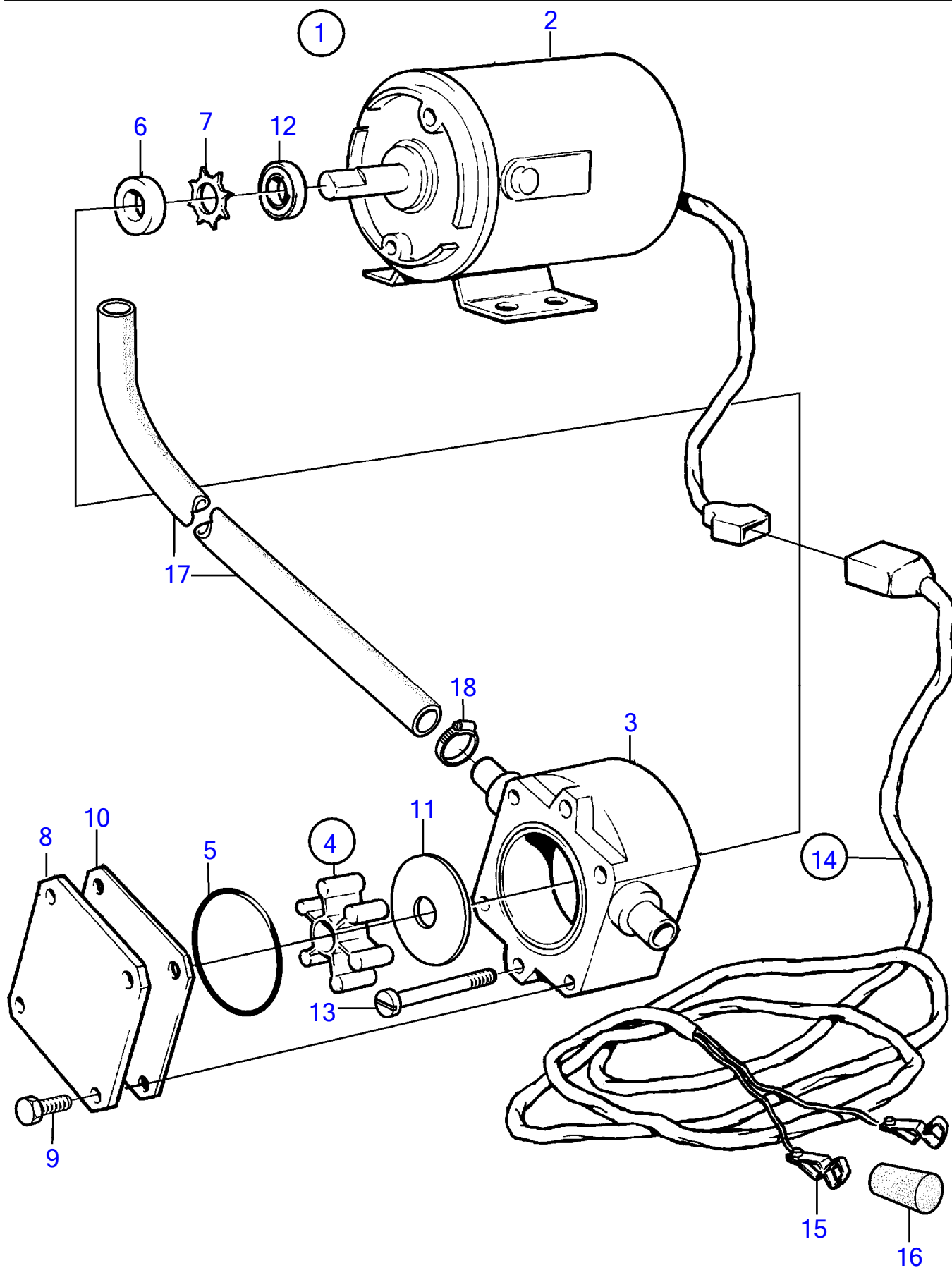
Ref	Part No.	Qty	Description	Notes
1	3581943	1	Oil filter housing	
2	1542265	2	• Valve seat	
3	471085	2	• Valve cone	
4	468087	2	• Spring	
5	3581951	1	• Sleeve	
6	3581950	1	• Sleeve	
7	949659	2	• O-ring	
8	1542267	2	• Cover	
9	946544	4	• Flange screw	
10	479977	1	• Plug	
11	469483	4	Sealing ring	
12	965182	3	Flange screw	
13	946671	4	Flange screw	
14	423067	1	Nipple	
15	471034	1	Oil filter	
			• Bulletin P-18-3-11	QUANT PAC of Maintenance parts
16	859086	2	Sealing ring	
17	469483	2	Sealing ring	



22 Electric Bilge Pump 12V/24V: 12V

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

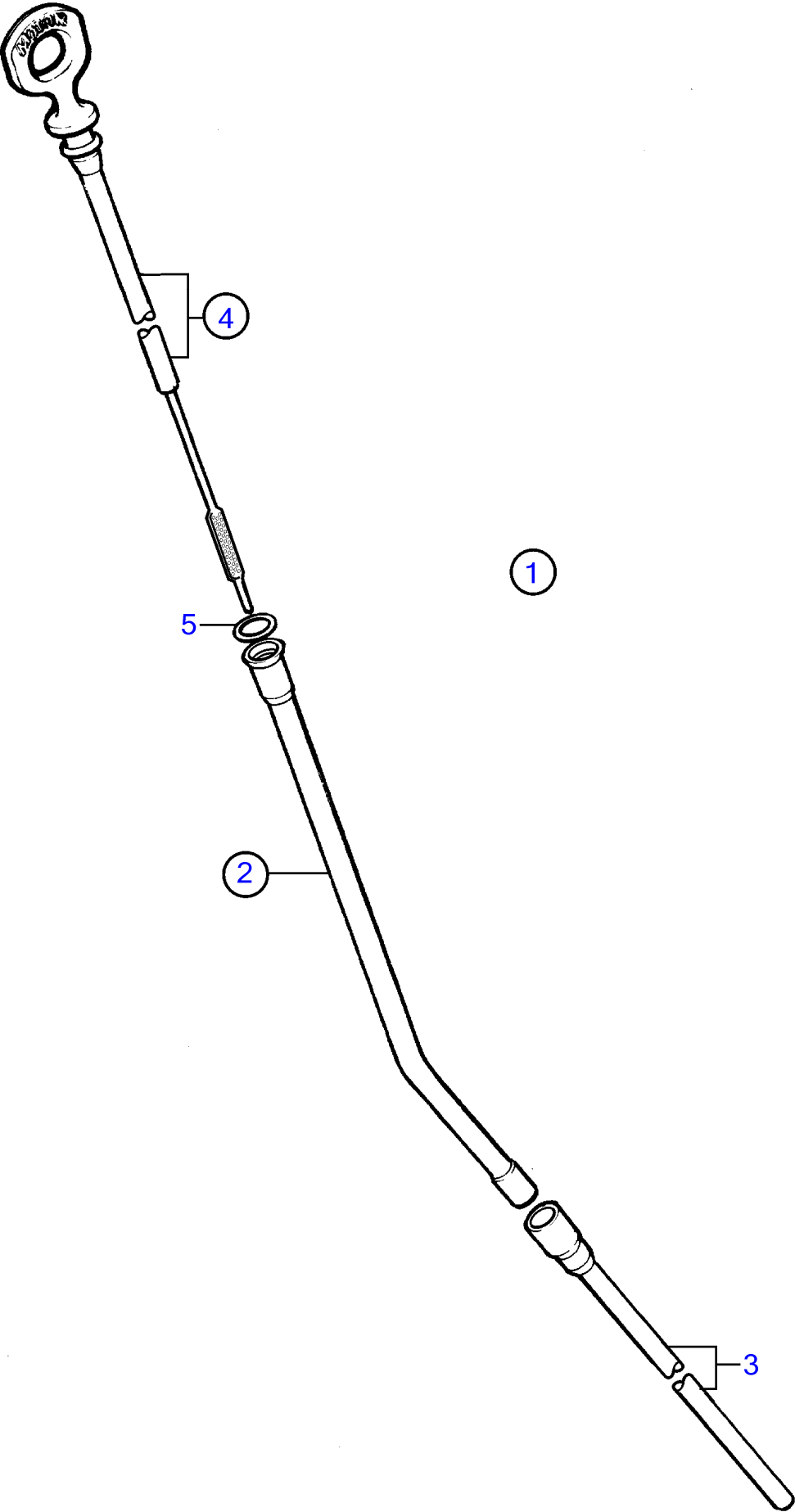
Ref	Part No.	Qty	Description	Notes
1	843114	1	Oil bilge pump	12V
2	842855	1	• Oil bilge pump	
3	(844015)	1	• • Pump housing	Obsolete part
4	844022	1	• • Impeller kit	
5		1	• • • O-ring	
6		1	• • • Sealing ring	
7		1	• • • Lock ring	
8	(844018)	1	• • Cap	Obsolete part
9	844021	4	• • Screw	
10	844017	1	• • Wear washer	
11	844016	1	• • Wear washer	
12	(844019)	1	• • Deflector ring	Obsolete part
13	969518	2	• • 6 point socket screw	(847464)
14	843113	1	• Cable trunk	
15	844280	2	• • Clip	
16	(844279)	1	• • Isolation	Obsolete part, Black
	(844278)	1	• • Isolation	Obsolete part, Red
17	943707	X	• Hose	
18	943471	3	• Hose clamp	



22 Electric Bilge Pump 12V/24V: 24V

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

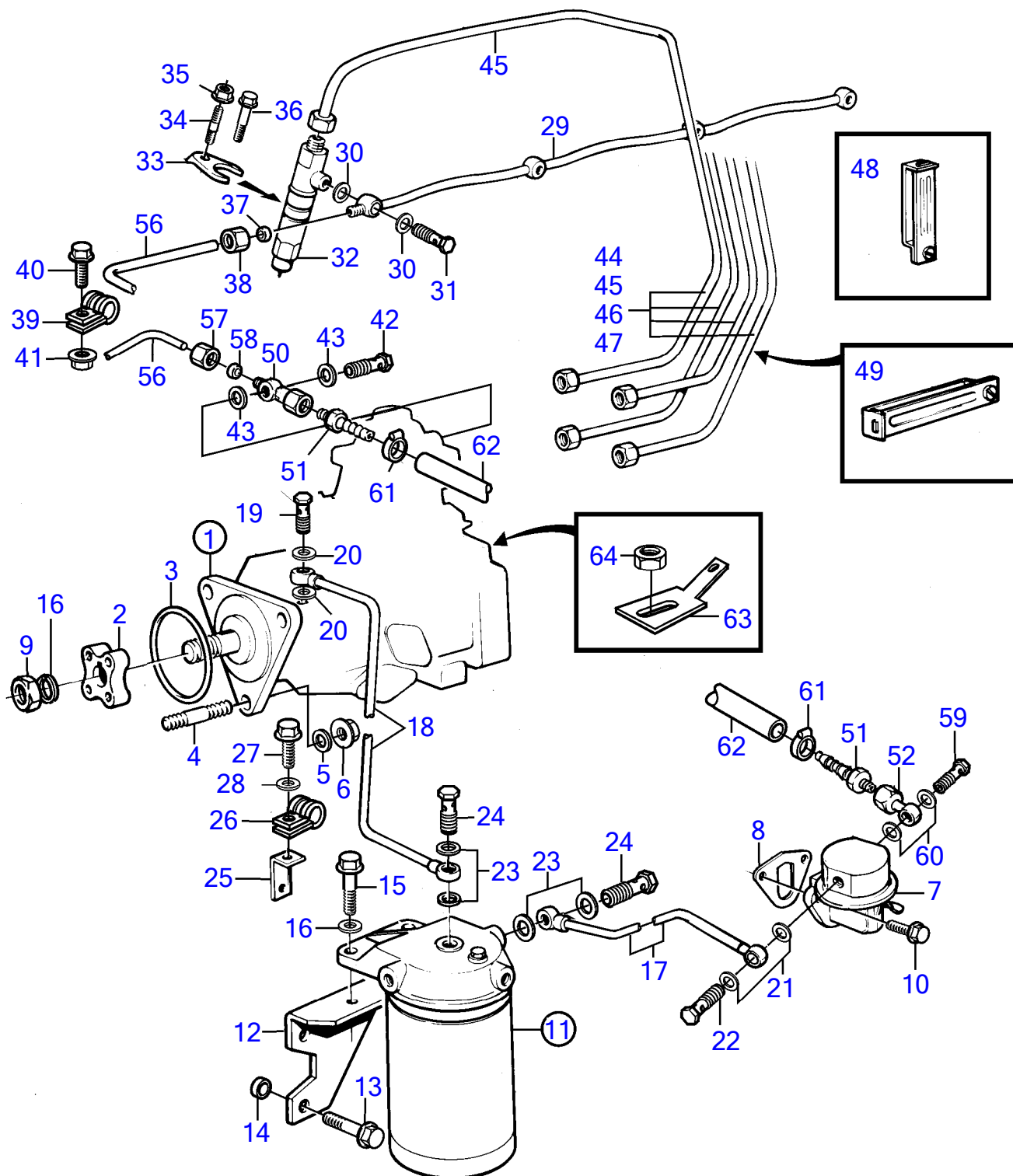
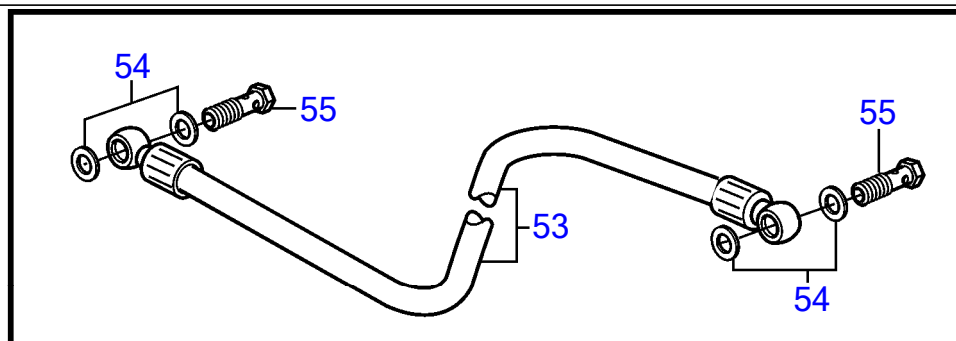
Ref	Part No.	Qty	Description	Notes
1	843410	1	Oil bilge pump	24V
2	842222	1	• Electric motor	
3	(844015)	1	• • Pump housing	Obsolete part
4	844022	1	• • Impeller kit	
5		1	• • • O-ring	
6		1	• • • Sealing ring	
7		1	• • • Lock ring	
8	(844018)	1	• • Cap	Obsolete part
9	844021	4	• • Screw	
10	844017	1	• • Wear washer	
11	844016	1	• • Wear washer	
12	(844019)	1	• • Deflector ring	Obsolete part
13	969518	2	• • 6 point socket screw	(847464)
14	843113	1	• Cable trunk	
15	844280	2	• • Clip	
16	(844279)	1	• • Isolation	Obsolete part, Black
	(844278)	1	• • Isolation	Obsolete part, Red
17	943707	X	• Hose	
18	943471	3	• Hose clamp	



22 Oil Dipstick Kit, Left Side

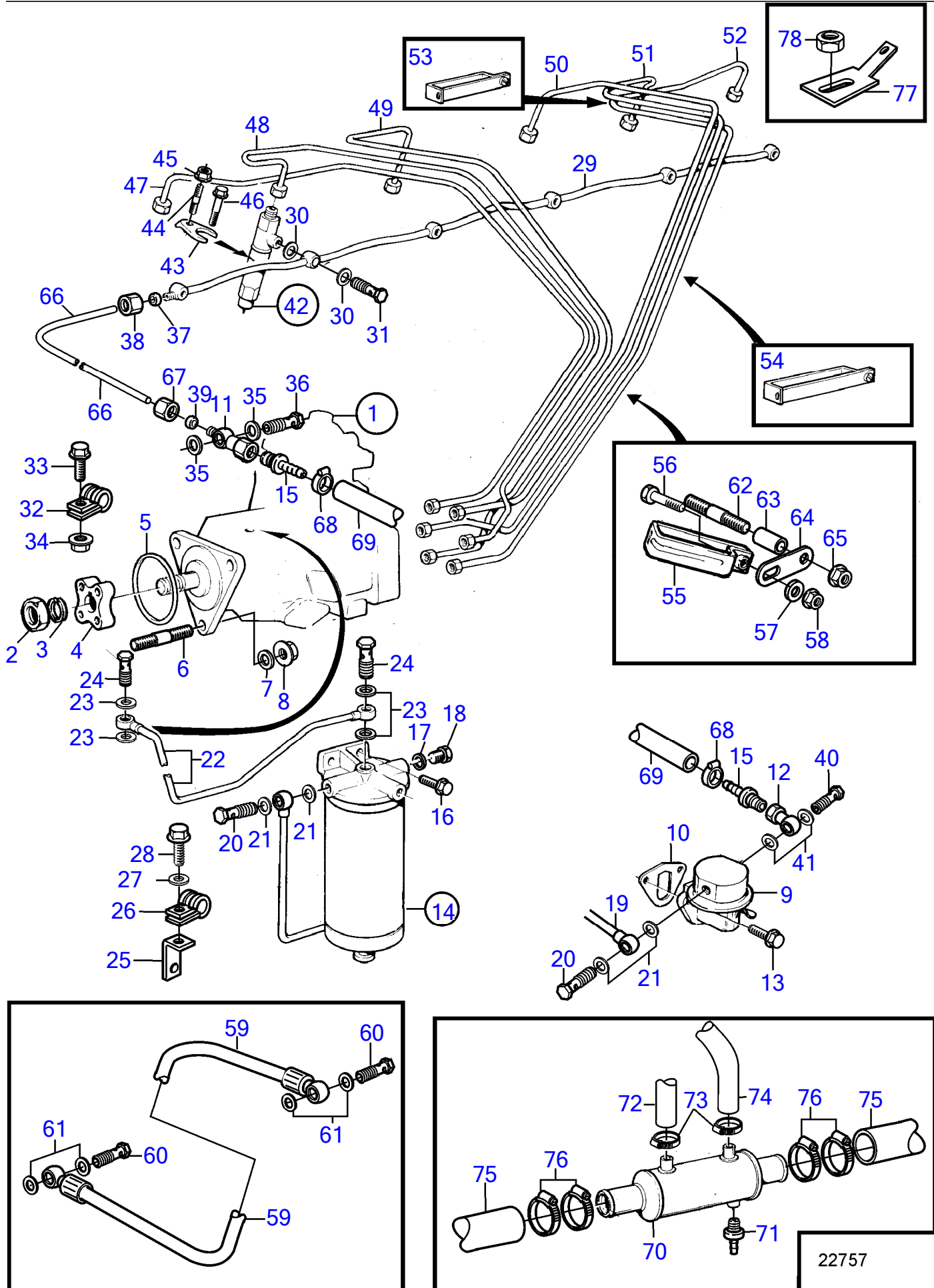
AD41L-A, AD41P-A, D41L-A, TAM41H-A, TAM41H-B, TAM41P-A, TAM41L-A, TAM41M-A,
TMD41L-A

Ref	Part No.	Qty	Description	Notes
1	859377	1	Oil dipstick	
2	844603	1	• Tube	
3	843692	1	• • Tube	
4	(859374)	1	• Oil dipstick	Obsolete part
5	949187	1	• • O-ring	



Ref	Part No.	Qty	Description	Notes
1	861119	1	Injection pump	AD31L-A
	(861621)	1	Injection pump • parts not sold separately	AD31P-A, Obsolete part
2	859601	1	Hub	
3	968971	1	O-ring	
4	953047	3	Stud	
5	191172	3	Washer	
6	945408	2	Flange nut	
		1	Hexagon nut	
7	3582310	1	Feed pump	
8	3501530	1	Gasket	
9		1	Nut	Included in fuel injection pump.
10	946173	2	Flange screw	
11	840531	1	Fuel filter	
		•		
		•		
12	3581698	1	Bracket	
13	965193	2	Flange screw	
14	843122	2	Spacer sleeve	
15	946329	2	Flange screw	
16		1	Washer	Included in fuel injection pump.
17	860447	1	Fuel pipe	
18	838722	1	Fuel pipe	
19	969299	1	Hollow screw	
20	11994	2	Gasket	
21	11994	2	Gasket	
22	969299	1	Hollow screw	
23	969011	4	Gasket	
24	25167	2	Hollow screw	
25	846780	1	Bracket	
26	952624	1	Clamp	
27	948746	1	Flange screw	
28	955893	1	Washer	
29	838666	1	Leak-off line	
30	947620	8	Gasket	
31	74033	4	Hollow screw	
32	861103	4	Injector	AD31P-A
	3803238	4	Injector, exch	AD31P-A
		•		
		•		
	859494	4	Injector	AD31L-A
	3803235	4	Injector, exch	AD31L-A
		•		
		•		
33	861728	4	Yoke	
34	980226	4	Stud	
35	945408	4	Flange nut	
36	946470	4	Flange screw	
37	956966	1	Ferrule	
38	956980	1	Fitting nut	
39	121563	1	Clamp	
40	946544	1	Flange screw	
41	945407	1	Flange nut	
42		1	Hollow screw	Included in fuel injection pump.
43	11994	2	Gasket	
44	838873	1	Delivery pipe	Cyl no 1
45	838874	1	Delivery pipe	Cyl no 2
46	838875	1	Delivery pipe	Cyl no 3
47	838876	1	Delivery pipe	Cyl no 4
48	8194351	2	Attaching clamp	2-pipe
49	8194353	2	Attaching clamp	4-pipe
50	861080	1	Banjo nipple	
51	3825000	2	Hose nipple	
52	861079	1	Banjo nipple	
53	860131	1	Air vent hose	
54	947620	4	Gasket	
55	74033	2	Hollow screw	
56	3581450	1	Return line	

Ref	Part No.	Qty	Description	Notes
57	956980	1	Fitting nut	
58	956966	1	Ferrule	
59	969299	1	Hollow screw	
60	11994	2	Gasket	
61		2	Hose clamp	
62		X	Hose	
63	944485	1		
64	965483	1	Flange nut	

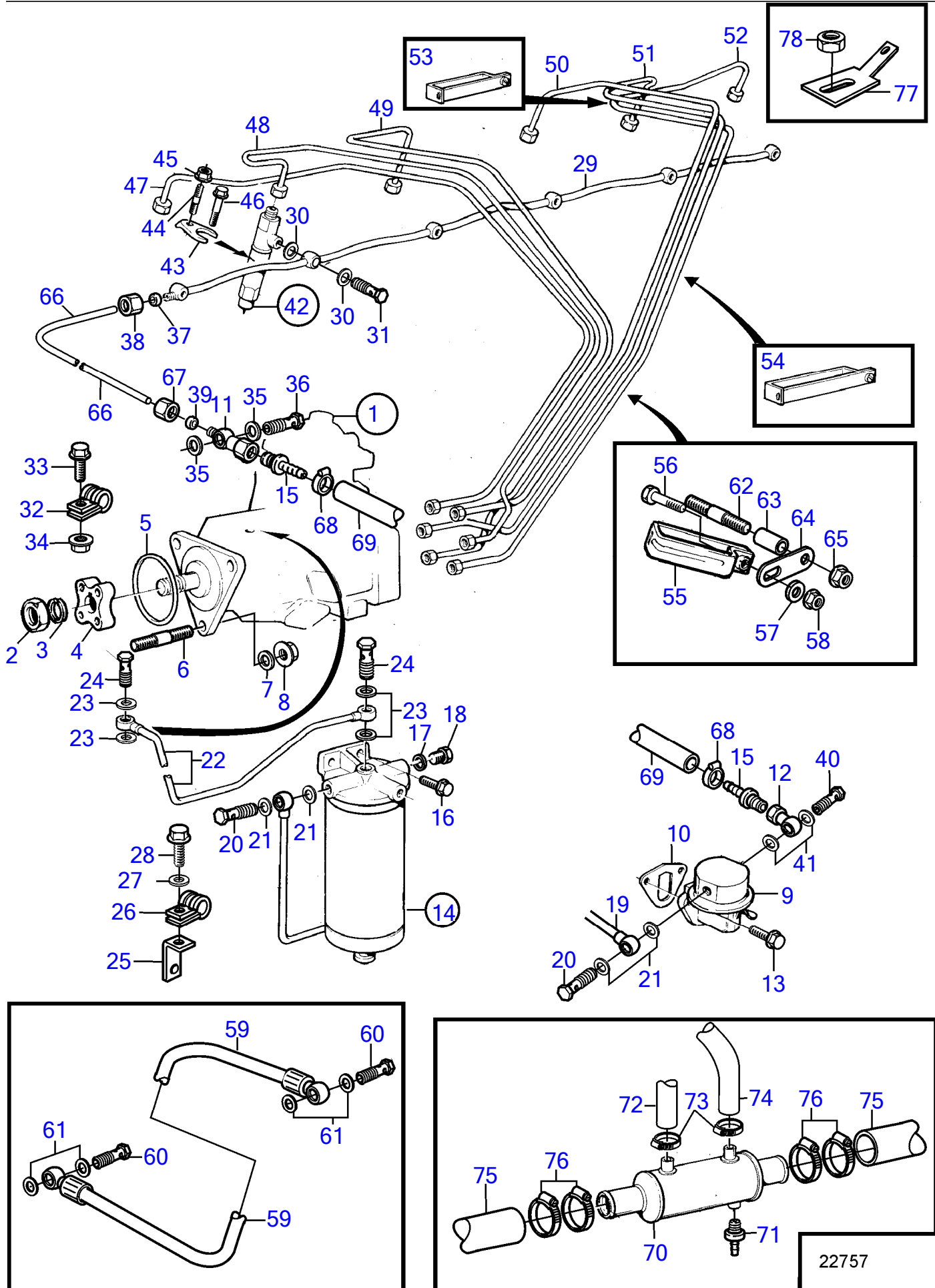


23 Fuel System
AD41L-A, AD41P-A

Ref	Part No.	Qty	Description	Notes
1	(861765)	1	Injection pump	AD41P-A, Obsolete part
	860270	1	Injection pump	Product no. 869054, AD41P-A
	861102	1	Injection pump	Product no. 869033, 869048,869134, AD41P-A, SN-2204153071 Repl by 3581433
	3581433	1	Injection pump	AD41P-A, SN2204153072-
	(861316)	1	Injection pump	Obsolete part, AD41L-A, SN-2204160725
	3581433	1	Injection pump	AD41L-A, SN2204160726-
2	955804	1	Hexagon nut	Included in fuel injection pump.
3	955925	1	Spring washer	Included in fuel injection pump.
4	859601	1	Hub	
5	968971	1	O-ring	
6	953047	3	Stud	
7	191172	3	Washer	
8	945408	2	Flange nut	
		1	Hexagon nut	
9	3582310	1	Feed pump	
10	3501530	1	Gasket	
11	861080	1	Banjo nipple	
12	861079	1	Banjo nipple	
13	946173	2	Flange screw	
14	860873	1	Fuel filter	Repl by 3581542
			.	
			.	
	3581542	1	Fuel filter	Repl by 3588380
			.	
			.	
	(3588380)	1	Fuel filter	Obsolete part
			.	
			.	
15	3825000	2	Hose nipple	
16	946329	2	Flange screw	
17	11994	1	Gasket	
18	960629	1	Plug	
19	860448	1	Fuel pipe	
20	969299	2	Hollow screw	
21	11994	4	Gasket	
22	838659	1	Fuel pipe	
23	11994	4	Gasket	
24	969299	2	Hollow screw	
25	846780	1	Bracket	
26	952624	1	Clamp	
27	955893	1	Washer	
28	948746	1	Flange screw	
29	838667	1	Leak-off line	
30	947620	12	Gasket	
31	74033	6	Hollow screw	
32	121563	1	Clamp	
33	946544	1	Flange screw	AD41P-A
34	945407	1	Flange nut	
35	11994	2	Gasket	
36		1	Hollow screw	Included in fuel injection pump.
37	956966	1	Ferrule	
38	956980	1	Fitting nut	
39	956966	1	Ferrule	
40	969299	1	Hollow screw	
41	11994	2	Gasket	
42	861103	6	Injector	Product no. 869033, 869048,869134
	3803238	6	Injector, exch	Product no. 869033, 869048,869134
			.	
			.	

23 Fuel System
AD41L-A, AD41P-A

Ref	Part No.	Qty	Description	Notes
	859494	6	Injector	Product no. 869054
	3803235	6	Injector, exch	Product no. 869054
		.	.	
43	861728	6	Yoke	
44	980226	6	Stud	Early type
45	945408	6	Flange nut	Early type
46	946470	6	Flange screw	Late type
47	861148	1	Delivery pipe	Cyl no 1
48	838878	1	Delivery pipe	Cyl no 2
49	861149	1	Delivery pipe	Cyl no 3
50	838880	1	Delivery pipe	Cyl no 4
51	838881	1	Delivery pipe	Cyl no 5
52	838882	1	Delivery pipe	Cyl no 6
53	8194351	2	Attaching clamp	2-pipe
54	8194352	3	Clamp	3-pipe
55	470184	1	Clamp	L=450mm
56	955275	1	Hexagon screw	
57	955893	2	Washer	
58	945407	1	Flange nut	
59	860131	1	Air vent hose	
60	74033	2	Hollow screw	
61	947620	4	Gasket	
62	984130	1	Stud	
63	833244	1	Spacer sleeve	
64	965534	1	Bracket	
65	945408	1	Flange nut	
66	3581450	1	Return line	
67	956980	1	Fitting nut	
68		2	Hose clamp	
69		X	Hose	
70	858541	1	Oil cooler	
71	949918	1	• Shut-off cock	
72	861057	1	Fuel hose	Return to fuel cooler., L=450mm
			• Bulletin P-23-4-4	Fuel Hose P/N 861057
73	961664	2	Hose clamp	
74	861057	X	Fuel hose	Fuel cooler - fuel tank.
			• Bulletin P-23-4-4	Fuel Hose P/N 861057
75	861738	X	Hose	
76	961669	4	Hose clamp	
77	944485	1		
78	965483	1	Flange nut	



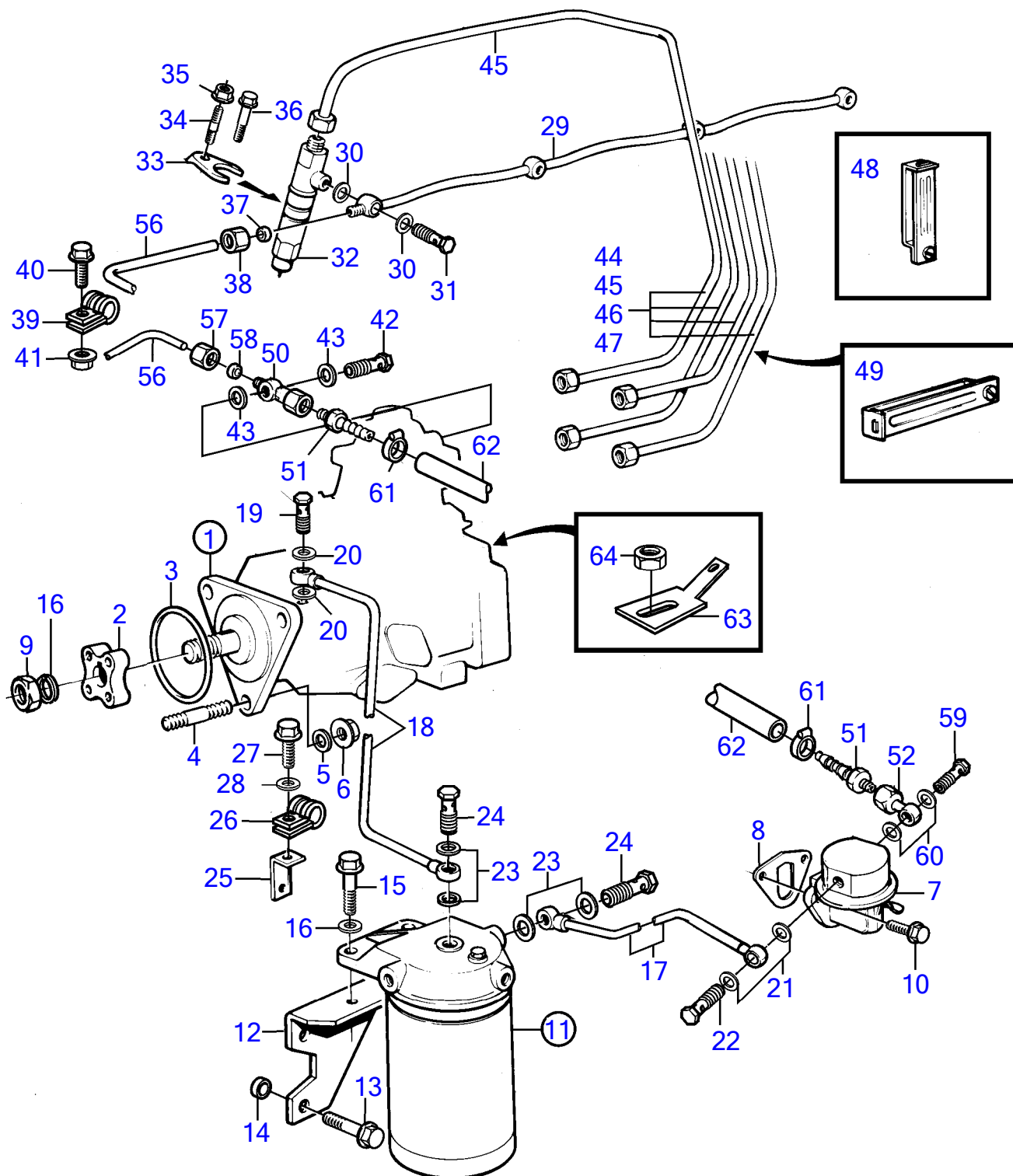
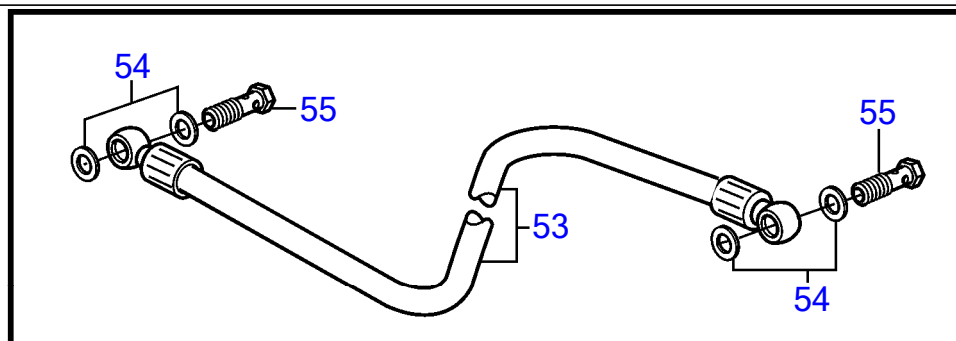
23 Fuel System
D41L-A, TMD41L-A

Ref	Part No.	Qty	Description	Notes
1	(861315)	1	Injection pump	Obsolete part
2	955804	1	Hexagon nut	Included in fuel injection pump.
3	955925	1	Spring washer	Included in fuel injection pump.
4	859601	1	Hub	
5	968971	1	O-ring	
6	953047	3	Stud	
7	191172	3	Washer	
8	945408	2	Flange nut	
		1	Hexagon nut	
9	3582310	1	Feed pump	(860320)
10	3501530	1	Gasket	
11	861080	1	Banjo nipple	
12	861079	1	Banjo nipple	
13	946173	2	Flange screw	
14	860873	1	Fuel filter	Repl by 3581542
		.	.	
	3581542	1	Fuel filter	Repl by 3588380
		.	.	
	(3588380)	1	Fuel filter	Obsolete part
		.	.	
15	3825000	2	Hose nipple	
16	946329	2	Flange screw	
17	11994	1	Gasket	
18	960629	1	Plug	
19	860448	1	Fuel pipe	
20	969299	2	Hollow screw	
21	11994	4	Gasket	
22	838659	1	Fuel pipe	
23	11994	4	Gasket	
24	969299	2	Hollow screw	
25	846780	1	Bracket	
26	952624	1	Clamp	
27	955893	1	Washer	
28	948746	1	Flange screw	
29	838667	1	Leak-off line	
30	947620	12	Gasket	
31	74033	6	Hollow screw	
32	121563	1	Clamp	
33	946544	1	Flange screw	
34	945407	1	Flange nut	
35	11994	2	Gasket	
36		1	Hollow screw	Included in fuel injection pump.
37	956966	1	Ferrule	
38	956980	1	Fitting nut	
39	956966	1	Ferrule	
40	969299	1	Hollow screw	
41	11994	2	Gasket	
42	861103	6	Injector	
	3803238	6	Injector, exch	
43	861728	6	Yoke	
44	980226	6	Stud	Early type
45	945408	6	Flange nut	Early type
46	946470	6	Flange screw	Late type
47	861148	1	Delivery pipe	Cyl no 1
48	838878	1	Delivery pipe	Cyl no 2
49	861149	1	Delivery pipe	Cyl no 3
50	838880	1	Delivery pipe	Cyl no 4
51	838881	1	Delivery pipe	Cyl no 5
52	838882	1	Delivery pipe	Cyl no 6
53	8194351	2	Attaching clamp	2-pipe
54	8194352	3	Clamp	3-pipe
55	470184	1	Clamp	L=450mm
56	955275	1	Hexagon screw	
57	955893	2	Washer	
58	945407	1	Flange nut	

23 Fuel System

D41L-A, TMD41L-A

Ref	Part No.	Qty	Description	Notes
59	860131	1	Air vent hose	
60	74033	2	Hollow screw	
61	947620	4	Gasket	
62	984130	1	Stud	
63	833244	1	Spacer sleeve	
64	965534	1	Bracket	
65	945408	1	Flange nut	
66	3581450	1	Return line	
67	956980	1	Fitting nut	
68		2	Hose clamp	
69		X	Hose	
70	858541	1	Oil cooler	
71	949918	1	• Shut-off cock	
72	861057	1	Fuel hose	Return to fuel cooler., L=450mm
			• Bulletin P-23-4-4	Fuel Hose P/N 861057
73	961664	2	Hose clamp	
74	861057	X	Fuel hose	Fuel cooler - fuel tank.
			• Bulletin P-23-4-4	Fuel Hose P/N 861057
75	861738	X	Hose	
76	961669	4	Hose clamp	
77	944485	1		
78	965483	1	Flange nut	



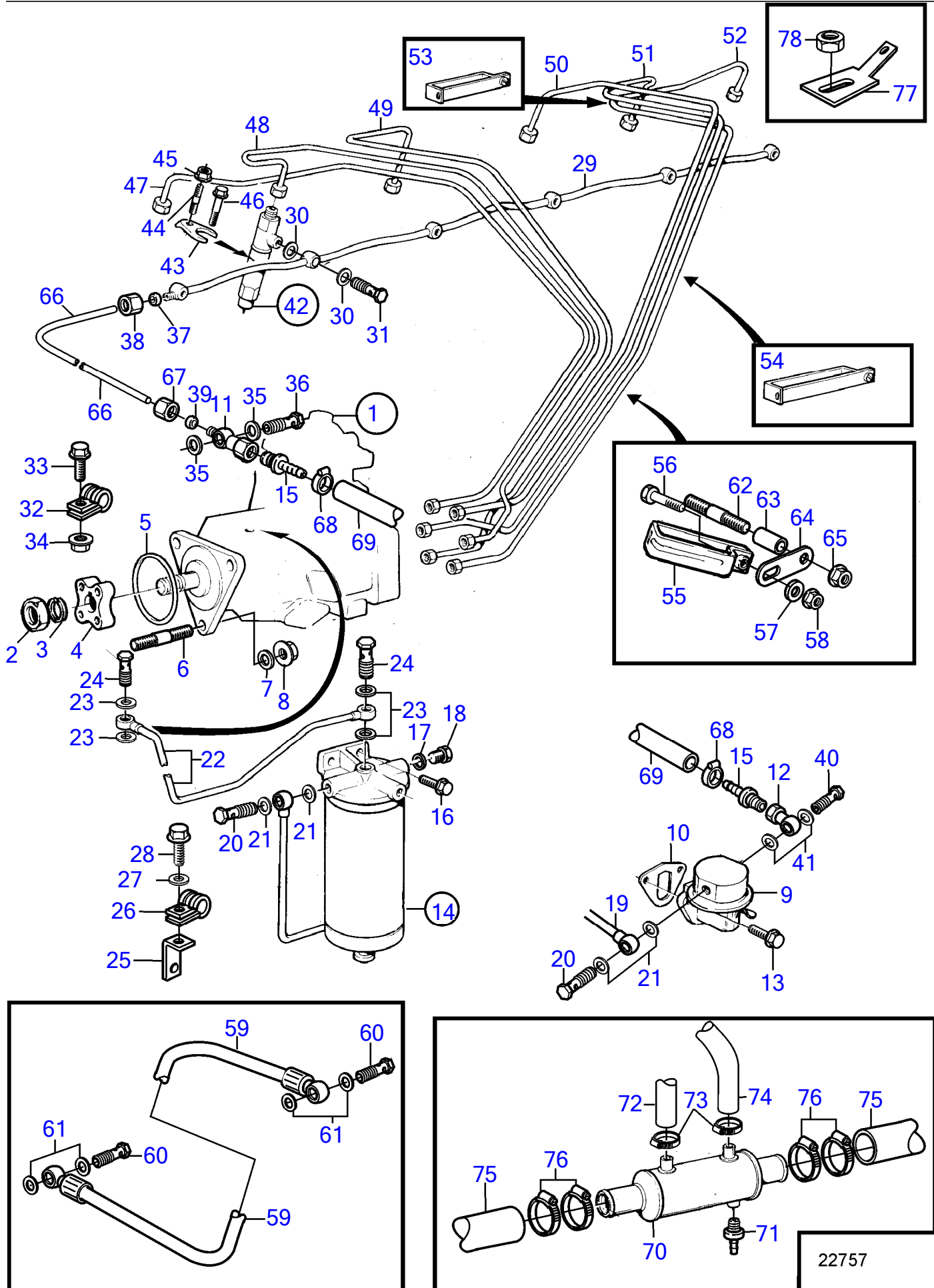
23 Fuel System
TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A

Ref	Part No.	Qty	Description	Notes
1	(861621)	1	Injection pump	TAMD31P-A, Obsolete part
	861119	1	Injection pump	TAMD31L-A
	(860914)	1	Injection pump	Obsolete part, TAMD31M-A
	3583137	1	Injection pump	TAMD31S-A
			· parts not sold separately	
2	859601	1	Hub	
3	968971	1	O-ring	
4	980225	3	Stud	
5	191172	3	Washer	
6	945408	2	Flange nut	
		1	Hexagon nut	
7	3582310	1	Feed pump	
8	3501530	1	Gasket	
9		1	Nut	Included in fuel injection pump.
10	946173	2	Flange screw	
11	840531	1	Fuel filter	
			·	
			·	
12	3581698	1	Bracket	
13	965193	2	Flange screw	
14	843122	2	Spacer sleeve	
15	946329	2	Flange screw	
16		1	Washer	Included in fuel injection pump.
17	860447	1	Fuel pipe	
18	838722	1	Fuel pipe	
19	969299	1	Hollow screw	
20	11994	2	Gasket	
21	11994	2	Gasket	
22	969299	1	Hollow screw	
23	969011	4	Gasket	
24	25167	2	Hollow screw	
25	846780	1	Bracket	
26	952624	1	Clamp	
27	948746	1	Flange screw	
28	955893	1	Washer	
29	838666	1	Leak-off line	
	3581539	1	Leak-off line	TAMD31S-A
30	981183	8	Gasket	
31	243487	4	Hollow screw	
32	859494	4	Injector	TAMD31L-A, TAMD31M-A
	3803235	4	Injector, exch	TAMD31L-A, TAMD31M-A
			·	
			·	
	861103	4	Injector	TAMD31P-A
	3803238	4	Injector, exch	TAMD31P-A
			·	
			·	
	3581435	4	Injector	TAMD31S-A
	3803404	4	Injector, exch	TAMD31S-A
			· parts not sold separately	
33	861728	4	Yoke	TAMD31P-A/ L-A/ M-A
	(3581376)	4	Yoke	Obsolete part, TAMD31S-A
34	980226	4	Stud	
35	945408	4	Flange nut	
36	946470	4	Flange screw	
37	956966	1	Ferrule	
38	956980	1	Fitting nut	
39	121563	1	Clamp	
40	946544	1	Flange screw	
41	945407	1	Flange nut	
42		1	Hollow screw	Included in fuel injection pump.
43	11994	2	Gasket	
44	838873	1	Delivery pipe	Cyl no 1
45	838874	1	Delivery pipe	Cyl no 2
46	838875	1	Delivery pipe	Cyl no 3

23 Fuel System

TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A

Ref	Part No.	Qty	Description	Notes
47	838876	1	Delivery pipe	Cyl no 4
48	8194351	2	Attaching clamp	2-pipe
49	8194353	2	Attaching clamp	4-pipe
50	861080	1	Banjo nipple	
51	3825000	2	Hose nipple	
52	861079	1	Banjo nipple	
53	860131	1	Air vent hose	
54	947620	4	Gasket	
55	74033	2	Hollow screw	
56	3581450	1	Return line	
57	956980	1	Fitting nut	
58	956966	1	Ferrule	
59	969299	1	Hollow screw	
60	11994	2	Gasket	
61		2	Hose clamp	
62		X	Hose	
63	944485	1		
64	965483	1	Flange nut	



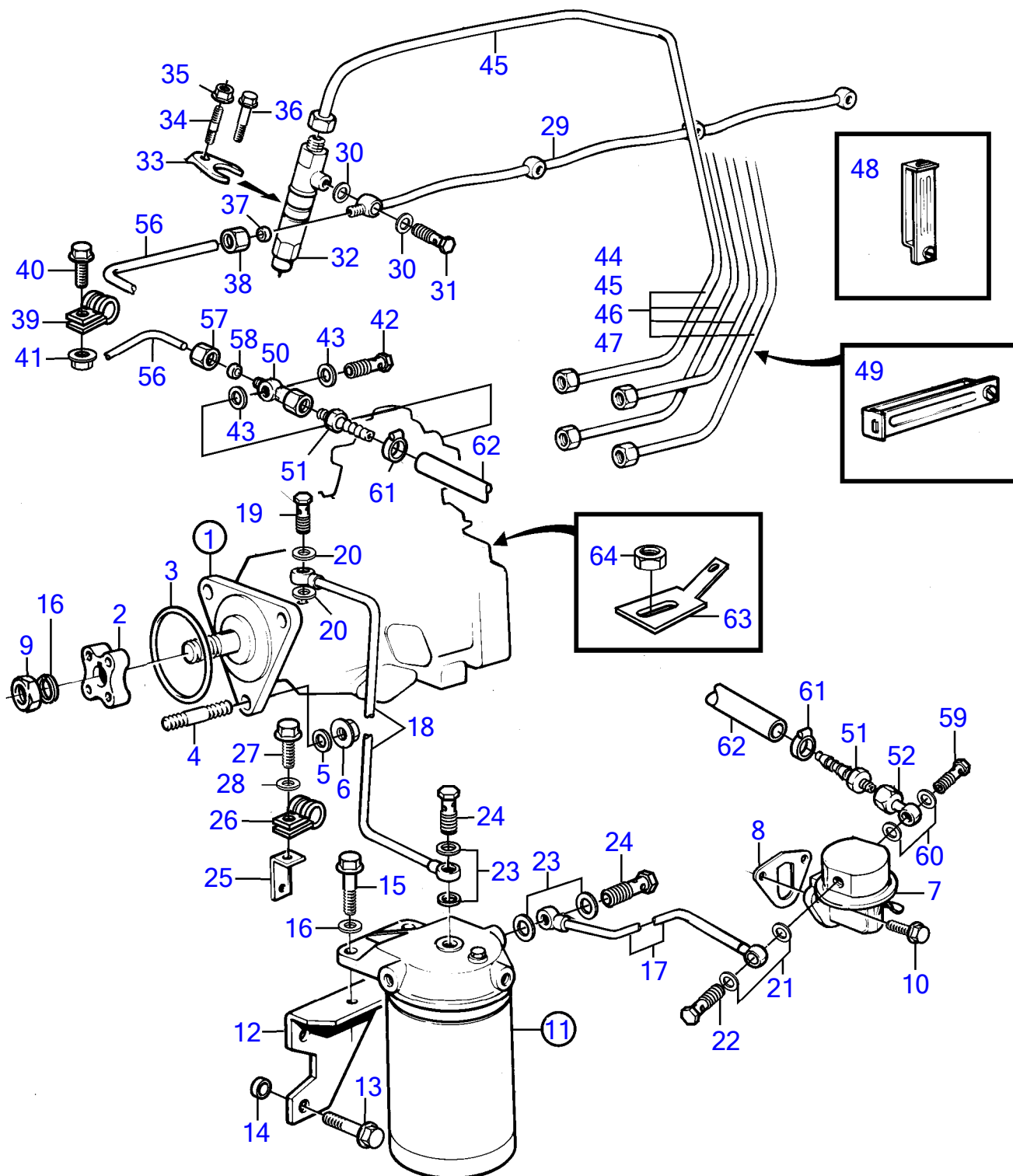
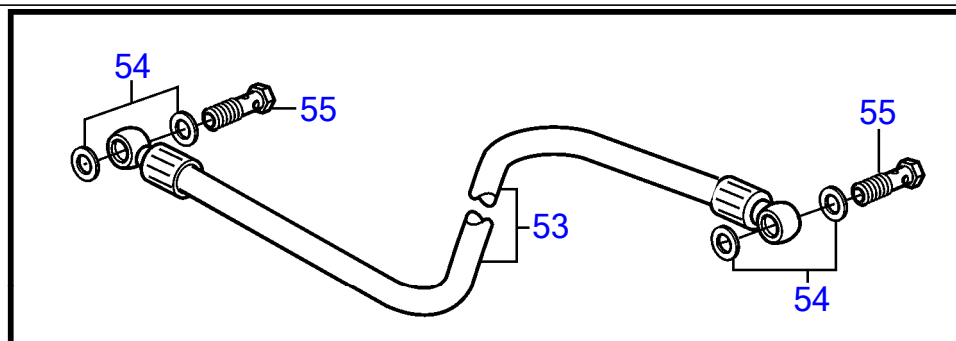
23 Fuel System
TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A

Ref	Part No.	Qty	Description	Notes
1	861102	1	Injection pump	Product no. 869030, 869031, 869032, 869036., TAMD41P-A, SN-2204153071, Repl by 3
	3581433	1	Injection pump	Product no. 869030, 869031, 869032, 869036., TAMD41P-A, SN2204153072-
	860270	1	Injection pump	Product no. 869028, 869029, 869053., TAMD41P-A
	(861316)	1	Injection pump	Obsolete part, TAMD41H-A, TAMD41L-A
	3581420	1	Injection pump	TAMD41H-B
	(860915)	1	Injection pump	Obsolete part, TAMD41M-A
2	955804	1	Hexagon nut	Included in fuel injection pump.
3	955925	1	Spring washer	Included in fuel injection pump.
4	859601	1	Hub	
5	968971	1	O-ring	
6	953047	3	Stud	
7	191172	3	Washer	
8	945408	2	Flange nut	
		1	Hexagon nut	
9	3582310	1	Feed pump	
10	3501530	1	Gasket	
11	861080	1	Banjo nipple	
12	861079	1	Banjo nipple	
13	946173	2	Flange screw	
14	860873	1	Fuel filter	Repl by 3581542
	3581542	1	Fuel filter	Repl by 3588380
	(3588380)	1	Fuel filter	Obsolete part
15	3825000	2	Hose nipple	
16	946329	2	Flange screw	
17	11994	1	Gasket	
18	960629	1	Plug	
19	860448	1	Fuel pipe	
20	969299	2	Hollow screw	
21	11994	4	Gasket	
22	838659	1	Fuel pipe	
23	11994	4	Gasket	
24	969299	2	Hollow screw	
25	846780	1	Bracket	
26	952624	1	Clamp	
27	955893	1	Washer	
28	948746	1	Flange screw	
29	838667	1	Leak-off line	TAMD41P-A/ L-A/ M-A/ H-A
	3581540	1	Leak-off line	TAMD41H-B
30	947620	12	Gasket	TAMD41P-A/ L-A/ M-A/ H-A
	981183	12	Gasket	TAMD41H-B
31	74033	6	Hollow screw	TAMD41P-A/ L-A/ M-A/ H-A
	243487	6	Hollow screw	TAMD41H-B
32	121563	1	Clamp	
33	946544	1	Flange screw	AD41P-A
34	945407	1	Flange nut	
35	11994	2	Gasket	
36		1	Hollow screw	Included in fuel injection pump.
37	956966	1	Ferrule	
38	956980	1	Fitting nut	
39	956966	1	Ferrule	
40	969299	1	Hollow screw	
41	11994	2	Gasket	
42	861103	6	Injector	Product no. 869030, 869031, 869032, 869036.
	3803238	6	Injector, exch	Product no. 869030, 869031, 869032, 869036.
	859494	6	Injector	Product no. 869028, 869029, 869053.
	3803235	6	Injector, exch	Product no. 869028, 869029, 869053.
	861103	6	Injector	TAMD41H-A, TAMD41L-A,
	3803238	6	Injector, exch	TAMD41H-A, TAMD41L-A,

23 Fuel System

TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A

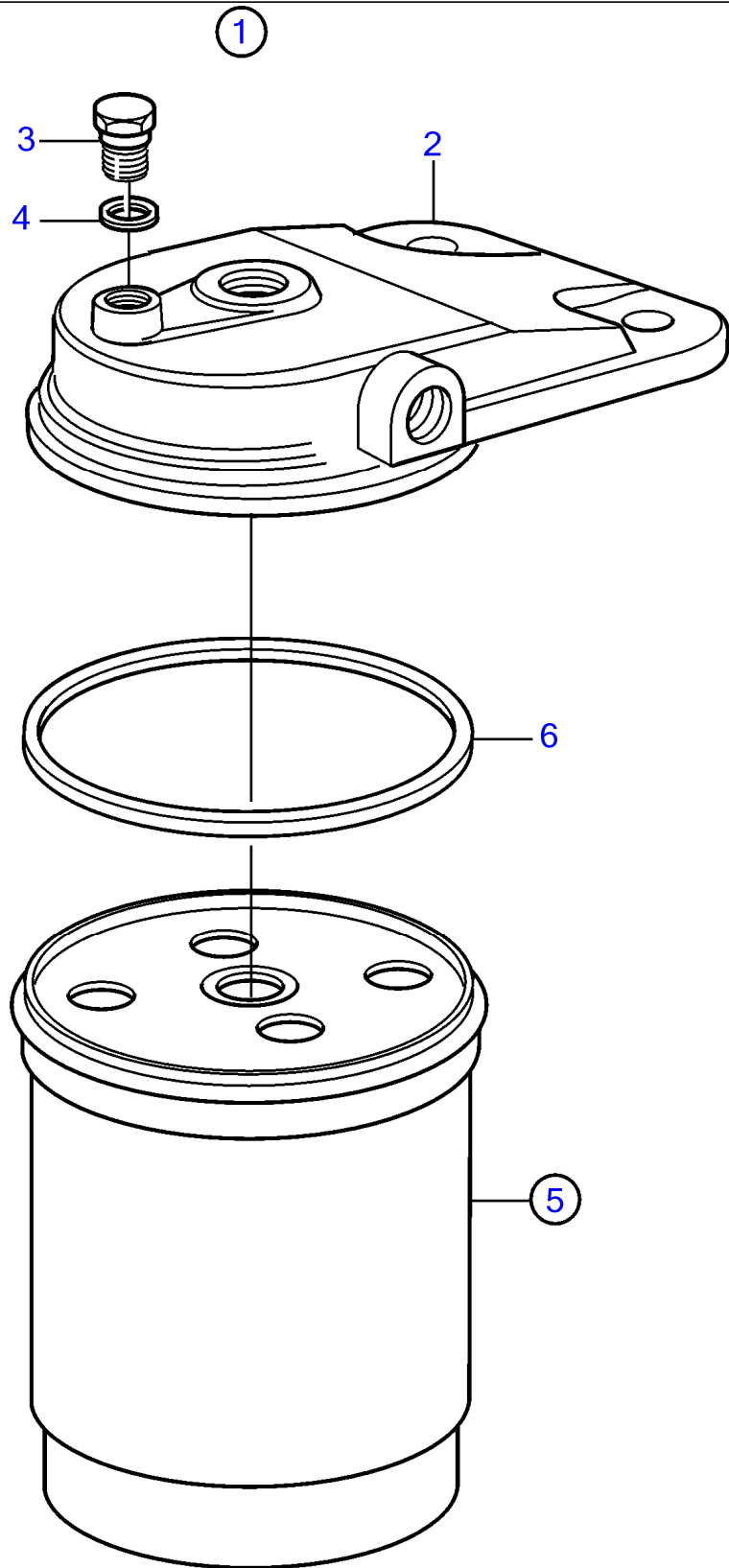
Ref	Part No.	Qty	Description	Notes
	3581435	6	Injector	TAMD41H-B, E.U=3803404
	3803404	6	Injector, exch	TAMD41H-B, E.U=3803404
43	861728	6	Yoke	TAMD41P-A/ L-A/ M-A/ H-A
	(3581376)	6	Yoke	Obsolete part, TAMD41H-B
44	980226	6	Stud	Early type
45	945408	6	Flange nut	Early type
46	946470	6	Flange screw	Late type
47	861148	1	Delivery pipe	Cyl no 1
48	838878	1	Delivery pipe	Cyl no 2
49	861149	1	Delivery pipe	Cyl no 3
50	838880	1	Delivery pipe	Cyl no 4
51	838881	1	Delivery pipe	Cyl no 5
52	838882	1	Delivery pipe	Cyl no 6
53	8194351	2	Attaching clamp	2-pipe
54	8194352	3	Clamp	3-pipe
55	470184	1	Clamp	L=450mm
56	955275	1	Hexagon screw	
57	955893	2	Washer	
58	945407	1	Flange nut	
59	860131	1	Air vent hose	
60	74033	2	Hollow screw	
61	947620	4	Gasket	
62	984130	1	Stud	
63	833244	1	Spacer sleeve	
64	965534	1	Bracket	
65	945408	1	Flange nut	
66	3581450	1	Return line	
67	956980	1	Fitting nut	
68		2	Hose clamp	
69		X	Hose	
70	858541	1	Oil cooler	
71	949918	1	• Shut-off cock	
72	861057	1	Fuel hose	Return to fuel cooler., L=450mm
			• Bulletin P-23-4-4	Fuel Hose P/N 861057
73	961664	2	Hose clamp	
74	861057	X	Fuel hose	Fuel cooler - fuel tank.
			• Bulletin P-23-4-4	Fuel Hose P/N 861057
75	861738	X	Hose	
76	961669	4	Hose clamp	
77	944485	1		
78	965483	1	Flange nut	



23 Fuel System

		TMD31L-A		
Ref	Part No.	Qty	Description	Notes
1	860513	1	Injection pump	SN-2203125715 Repl by 3581579
	(3581579)	1	Injection pump	SN2203125716-2203135150, Obsolete part
2	859601	1	Hub	
3	968971	1	O-ring	
4	953047	3	Stud	
5	191172	3	Washer	
6	945408	2	Flange nut	
		1	Hexagon nut	
7	3582310	1	Feed pump	
8	3501530	1	Gasket	
9		1	Nut	Included in fuel injection pump.
10	946173	2	Flange screw	
11	840531	1	Fuel filter	
		.	.	
12	3581698	1	Bracket	
13	965193	2	Flange screw	
14	843122	2	Spacer sleeve	
15	946329	2	Flange screw	
16		1	Washer	Included in fuel injection pump.
17	860447	1	Fuel pipe	
18	838722	1	Fuel pipe	
19	969299	1	Hollow screw	
20	11994	2	Gasket	
21	11994	2	Gasket	
22	969299	1	Hollow screw	
23	969011	4	Gasket	
24	25167	2	Hollow screw	
25	846780	1	Bracket	
26	952624	1	Clamp	
27	948746	1	Flange screw	
28	955893	1	Washer	
29	838666	1	Leak-off line	
30	947620	8	Gasket	
31	74033	4	Hollow screw	
32	859494	4	Injector	
	3803235	4	Injector, exch	
		.	.	
33	861728	4	Yoke	
34	980226	4	Stud	
35	945408	4	Flange nut	
36	946470	4	Flange screw	
37	956966	1	Ferrule	
38	956980	1	Fitting nut	
39	121563	1	Clamp	
40	946544	1	Flange screw	
41	945407	1	Flange nut	
42		1	Hollow screw	Included in fuel injection pump.
43	11994	2	Gasket	
44	838873	1	Delivery pipe	Cyl no 1
45	838874	1	Delivery pipe	Cyl no 2
46	838875	1	Delivery pipe	Cyl no 3
47	838876	1	Delivery pipe	Cyl no 4
48	8194351	2	Attaching clamp	2-pipe
49	8194353	2	Attaching clamp	4-pipe
50	861080	1	Banjo nipple	
51	3825000	2	Hose nipple	
52	861079	1	Banjo nipple	
53	860131	1	Air vent hose	
54	947620	4	Gasket	
55	74033	2	Hollow screw	
56	3581450	1	Return line	
57	956980	1	Fitting nut	
58	956966	1	Ferrule	

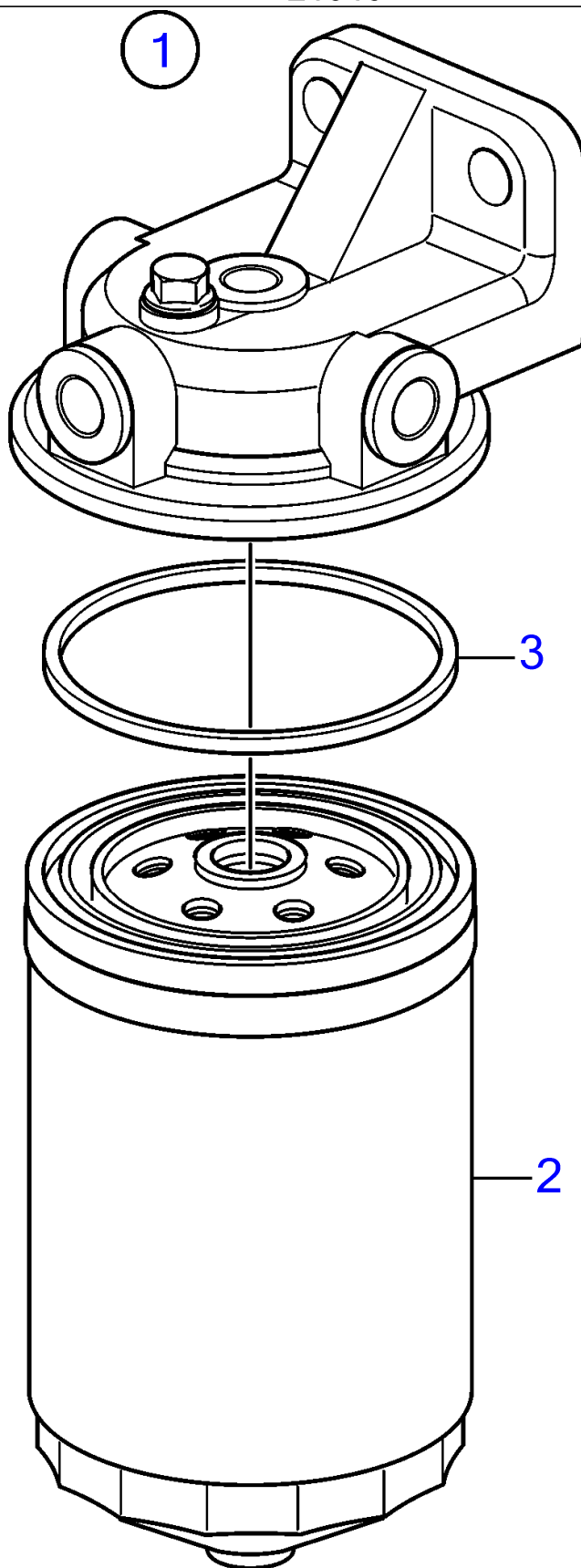
Ref	Part No.	Qty	Description	Notes
59	969299	1	Hollow screw	
60	11994	2	Gasket	
61		2	Hose clamp	
62		X	Hose	
63	944485	1		
64	965483	1	Flange nut	



23 Fuel Filter

AD31L-A, AD31P-A

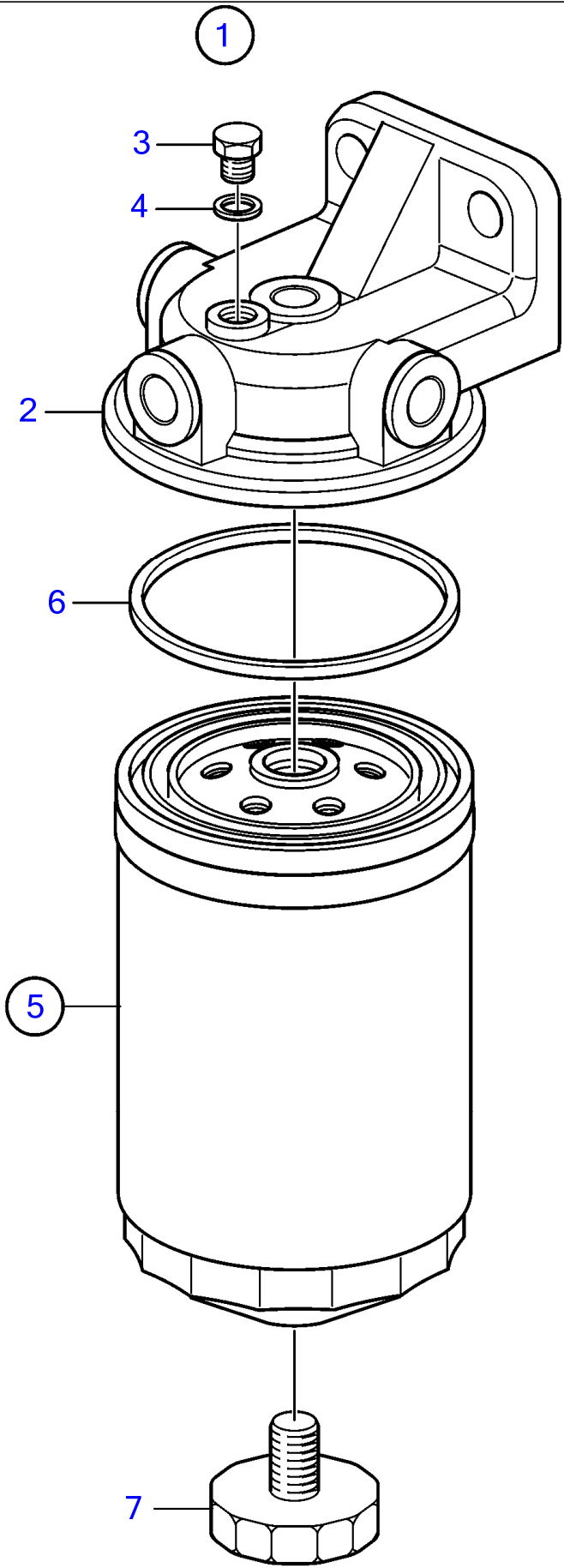
Ref	Part No.	Qty	Description	Notes
1	840531	1	Fuel filter	
2		1	• Lock	
3	240664	1	• Bleeder screw	
4	25534	1	• Gasket	
5	3825133	1	• Fuel filter	(829993)
6		1	• • Gasket	



23 Fuel Filter

AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

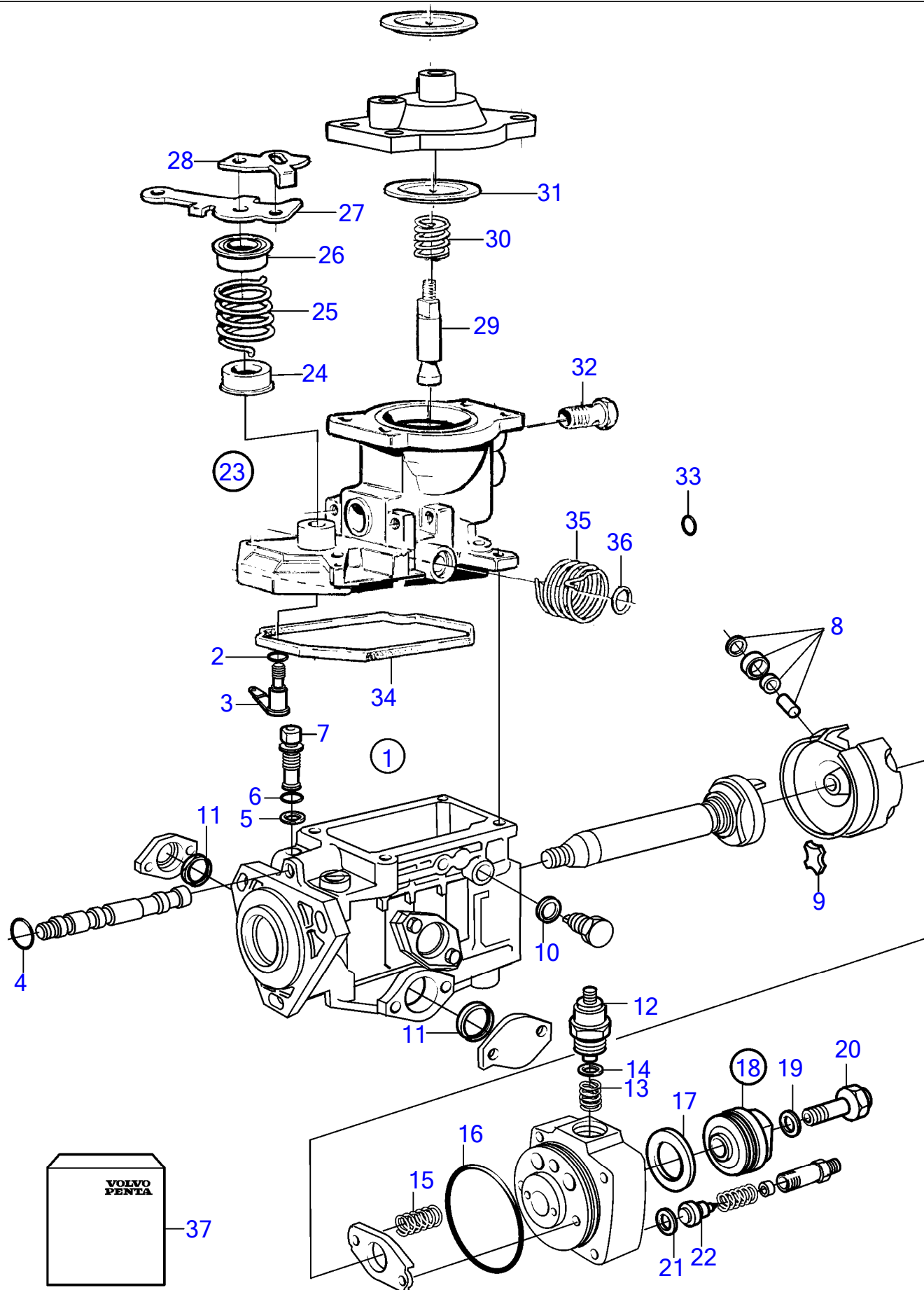
Ref	Part No.	Qty	Description	Notes
1	(3588380)	1	Fuel filter	Obsolete part
2	3588378	1	• Fuel filter	
3	6638088	1	• • Gasket	



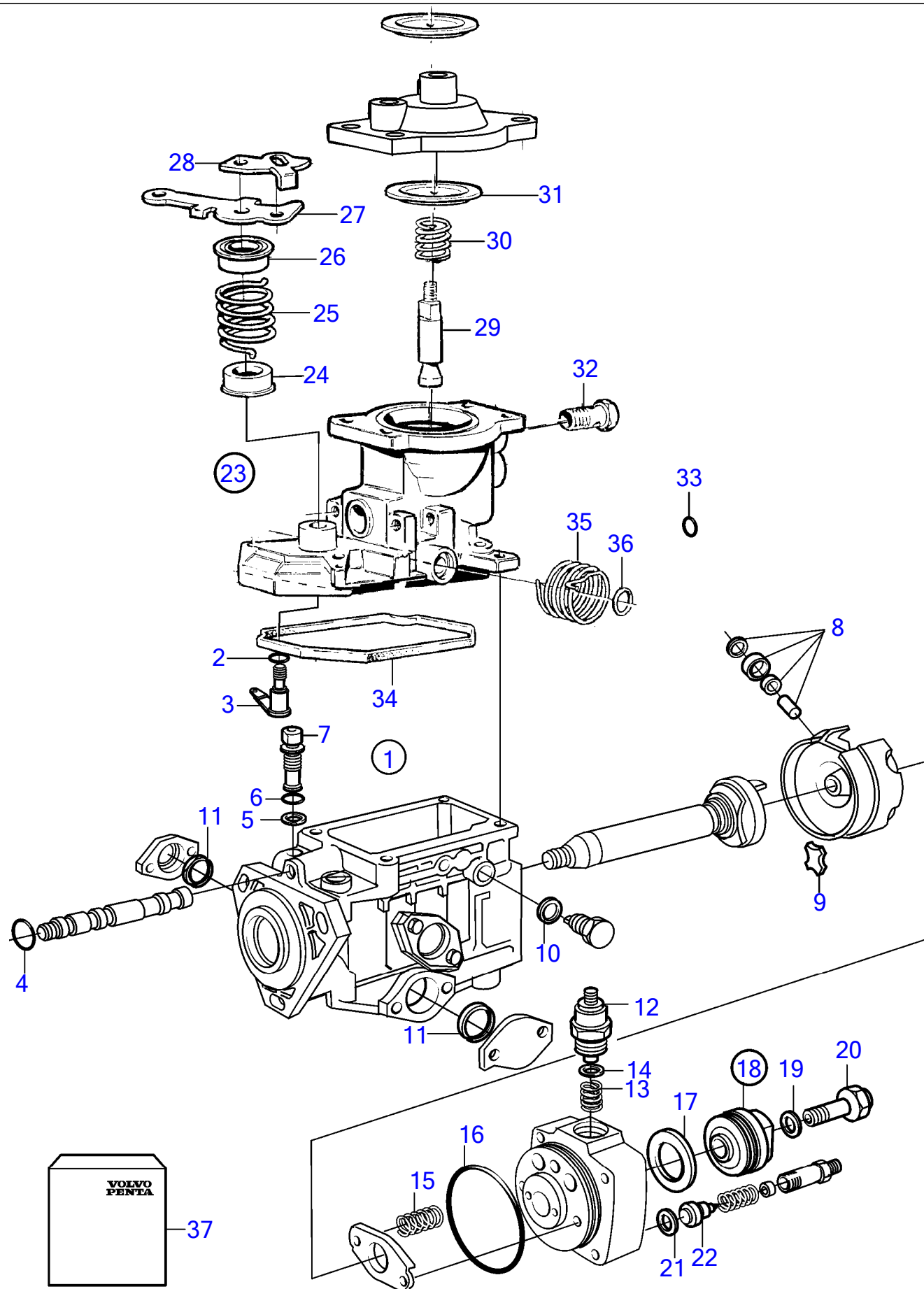
23 Fuel Filter

D41L-A, TAMD41H-B, TMD41L-A

Ref	Part No.	Qty	Description	Notes
1	3581542	1	Fuel filter	Repl by 3588380
	(3588380)	1	Fuel filter	Obsolete part
2		1	• Lock	
3	843956	1	• Plug	
4	25534	1	• Gasket	
5	3588378	1	• Fuel filter	Repl by 3840335
	3840335	1	• Fuel filter	
6	6638088	1	• • Gasket	
7	838594	1	• • Screw	

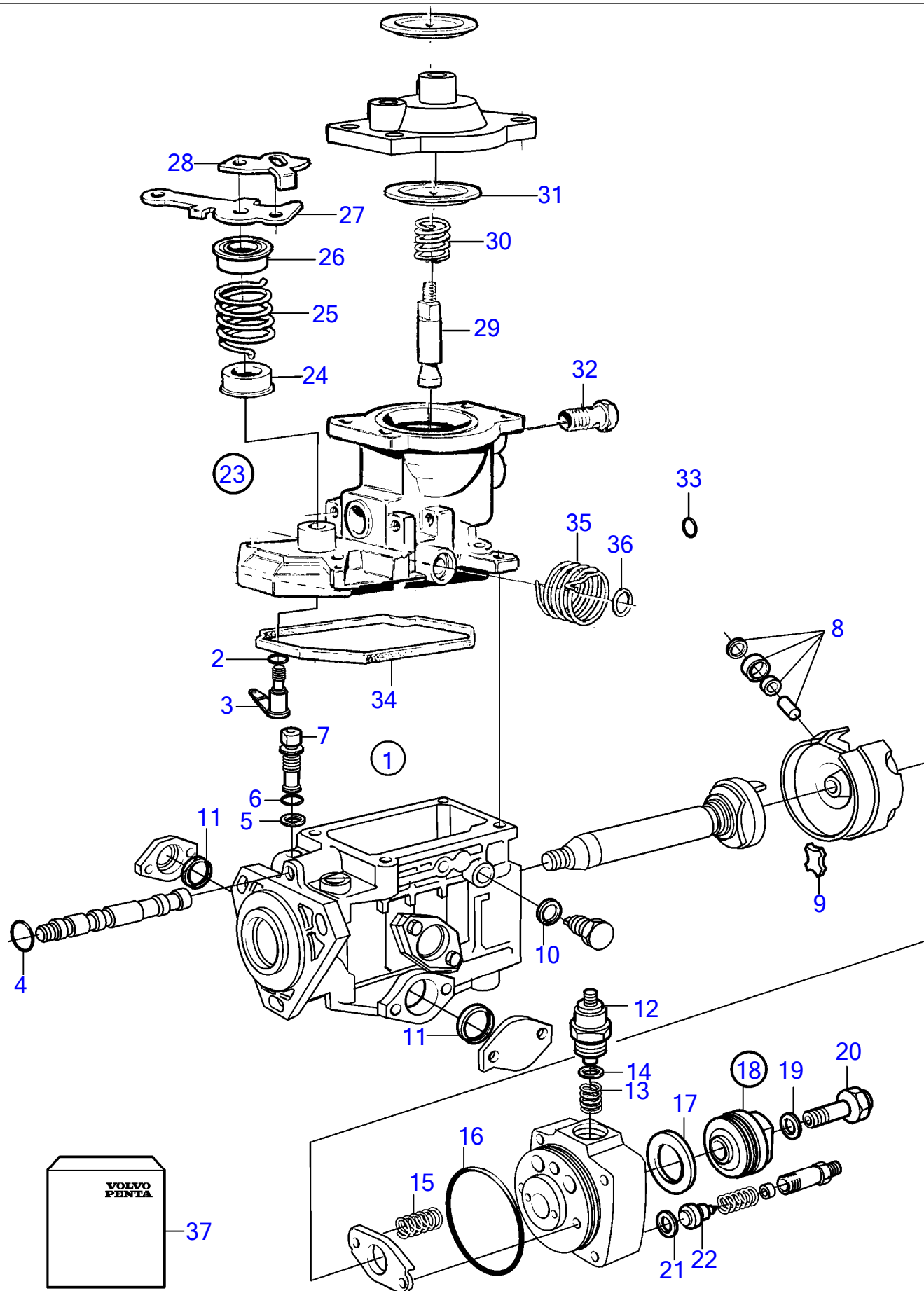


Ref	Part No.	Qty	Description	Notes
1	861119	1	Injection pump	
2	243567		• Sealing ring	
3			• Shaft	
4		1	• O-ring	Included in gasket kit.
5	(861520)	1	• O-ring	Included in gasket kit., Obsolete part
6	243520	1	• Sealing ring	Included in gasket kit.
7	844179	1	• Valve	
8		1	• Overhaul kit	
9	844150	2	• Absorber	Included in gasket kit.
10	1699759	2	• Gasket	Included in gasket kit.
11	838445	1	• O-ring	Included in gasket kit.
12	876614	1	• Stop solenoid	12V
13	861208	1	• • Spring	
14		1	• O-ring	
15		1	• Spring kit	
16	(243555)	1	• Sealing ring	Obsolete part
17	(838402)	1	• O-ring	Obsolete part, Included in gasket kit.
18	861491	1	• Screw	
19		1	• • Gasket	
20		1	• • Screw	TH=2.00mm
21	845738	4	• Washer	TH=2,12mm
22		4	• Delivery valve	TH=2.20mm
23		1	• Governor	
24		1	• Spring disc	TH=2.40mm
25		1	• Spring	TH=2.50mm
26		1	• Spring disc	
27	244961	1	• Lever	TH=2.60mm
28	244969	1	• Lever	
29		1	• Screw	
30		1	• Compression spring	
31	244944	1	• Diaphragm	
32	844237	1	• Hollow screw	
33	244963	1	• Shim	Included in gasket kit.
34		1	• Gasket	
35	(859463)	1	• Spring	Obsolete part
36	844224	1	• O-ring	
37	844240	1	Gasket kit	



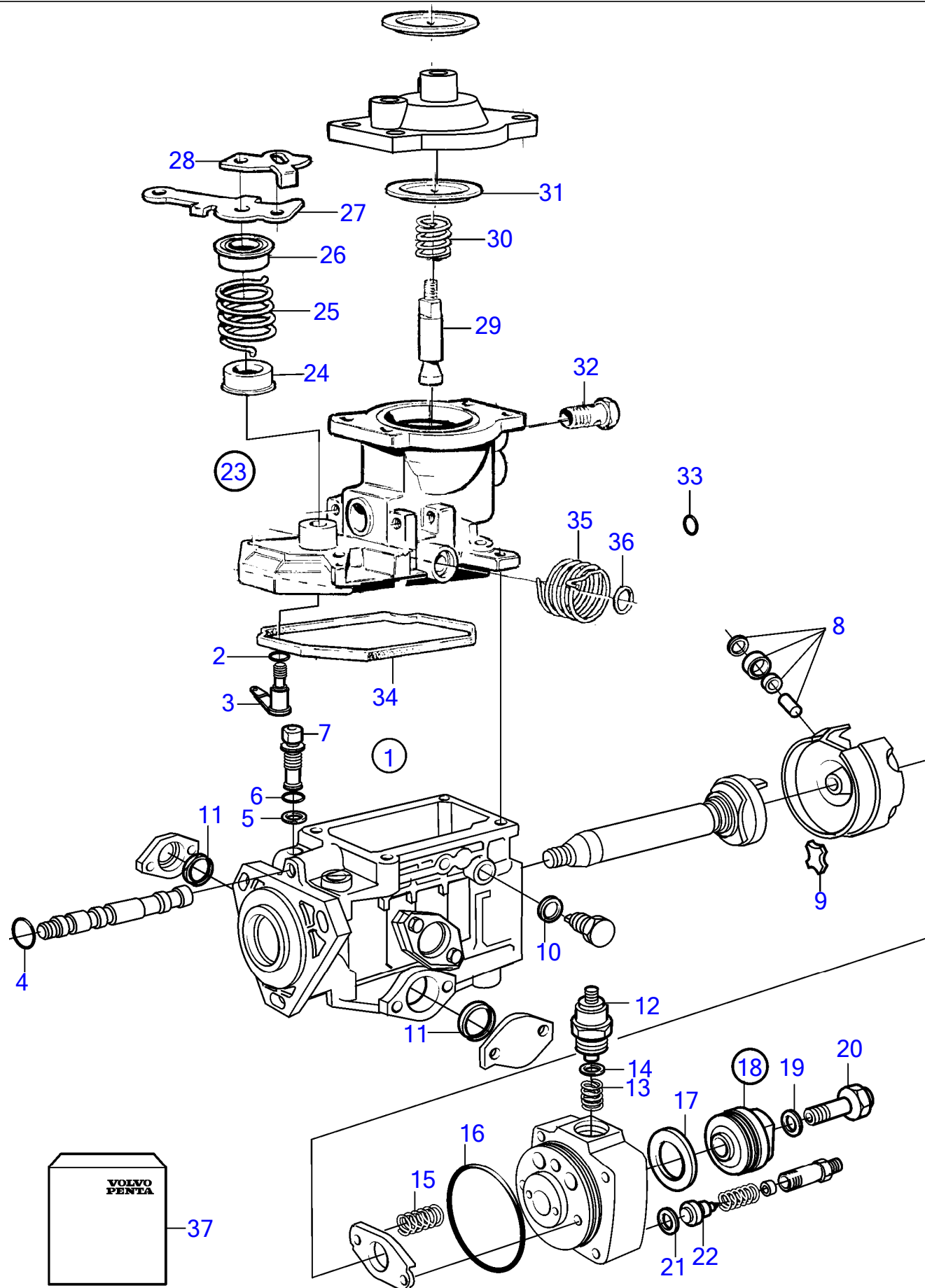
23 Fuel Injection Pump, Components: 860914
AD31P-A, TAMD31M-A

Ref	Part No.	Qty	Description	Notes
1	(860914)	1	Injection pump	Obsolete part
2	243567	1	• Sealing ring	
3	(244959)	1	• Shaft	Obsolete part
4	243786	1	• O-ring	Included in gasket kit.
5	(861520)	1	• O-ring	Included in gasket kit., Obsolete part
6	243520	1	• Sealing ring	Included in gasket kit.
7	(244683)	1	• Valve	Obsolete part
8	(859352)	1	• Bearing kit	Obsolete part
9	844150	2	• Absorber	Included in gasket kit.
10	1699759	2	• Gasket	Included in gasket kit.
11	838445	2	• O-ring	Included in gasket kit.
12	876614	1	• Stop solenoid	Alt, 12V
	876615	1	• Stop solenoid	Not included in complete injection pump., Alt,24V
13	861208	1	• • Spring	
14		1	• O-ring	
15	(859353)	1	• Spring kit	Obsolete part
16	(243555)	1	• Sealing ring	Obsolete part
17	(838402)	1	• O-ring	Included in gasket kit., Obsolete part
18	(844171)	1	• Fitting	Obsolete part
19	947620	1	• • Gasket	
20		1	• • Screw	
21	845738	4	• Washer	
22	244927	4	• Delivery valve	
23		1	• Governor	
24		1	• Spring disc	
25	859339	1	• Spring	
26	244972	1	• Spring disc	
27	244961	1	• Lever	
28	244969	1	• Lever	
29		1	• Screw	
30	(859348)	1	• Compression spring	Obsolete part
	(859349)	1	• Compression spring	Obsolete part
	(859350)	1	• Compression spring	Obsolete part
31	244944	1	• Diaphragm	
32	844237	1	• Hollow screw	
33	244963	1	• Shim	Included in gasket kit.
34	845785	1	• Gasket	
35	(859463)	1	• Spring	Obsolete part
36	844224	1	• O-ring	Included in gasket kit.
37	844240	1	Gasket kit	



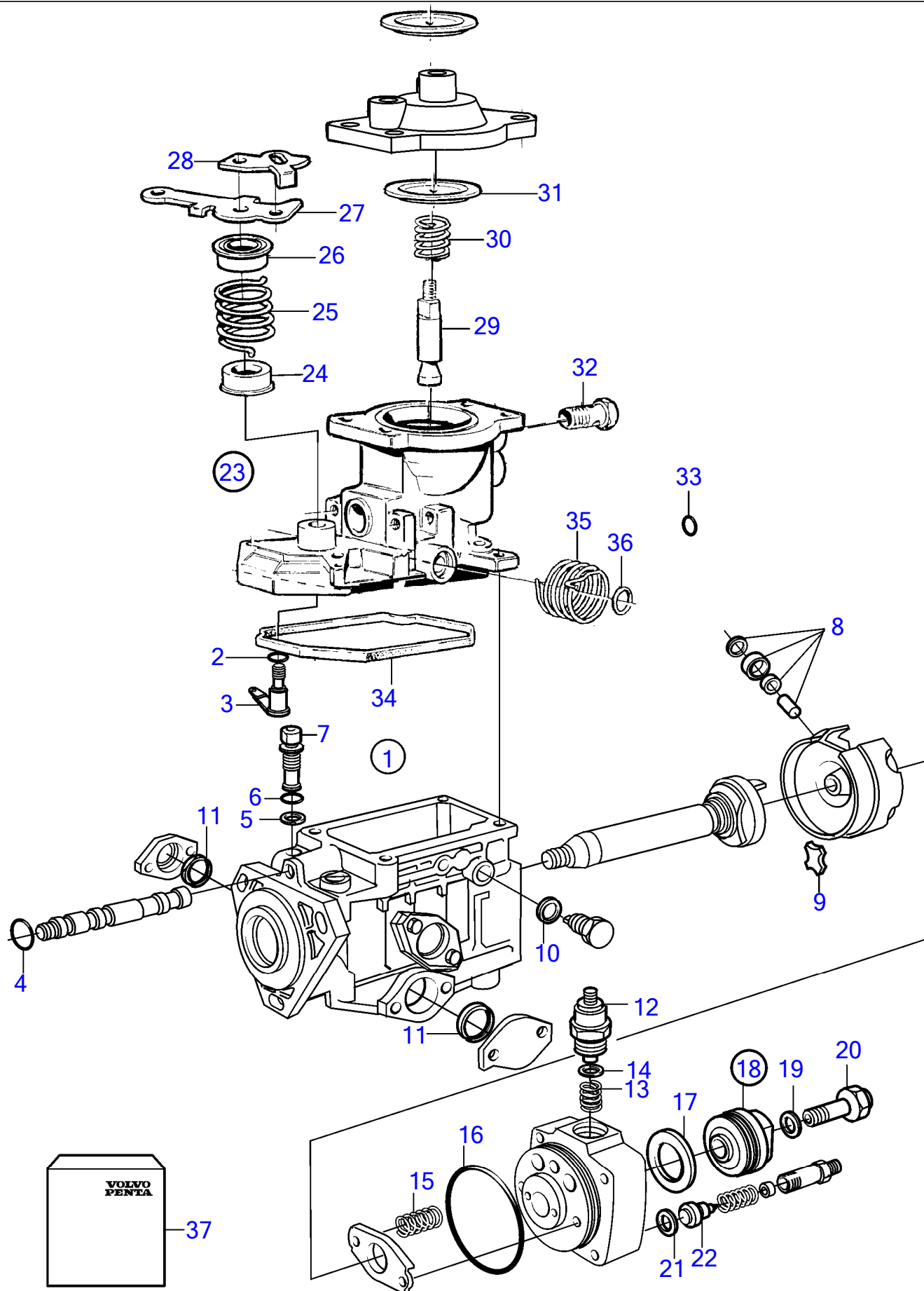
23 Fuel Injection Pump, Components: 861765
AD41P-A

Ref	Part No.	Qty	Description	Notes
1	(861765)	1	Injection pump	Obsolete part
2	243567	1	• Sealing ring	Included in gasket kit.
3	(244959)	1	• Shaft	Obsolete part
4	243786	1	• O-ring	Included in gasket kit.
5	(861520)	1	• O-ring	Included in gasket kit., Obsolete part
6	243520	1	• Sealing ring	Included in gasket kit.
7	(244683)	1	• Valve	Obsolete part
8	(859288)	1	• Spare parts kit	Obsolete part
9	844150	2	• Absorber	Included in gasket kit.
10	1699759	2	• Gasket	Included in gasket kit.
11	838445	2	• O-ring	Included in gasket kit.
12	876614	1	• Stop solenoid	12V
	876615	1	• Stop solenoid	Not included in complete injection pump., 24V
13	861208	1	• • Spring	
14		1	• O-ring	Included in gasket kit.
15	844164	1	• Spring kit	
16	(243555)	1	• Sealing ring	Included in gasket kit., L=36,50mm, Obsolete part
17	(838402)	1	• O-ring	Obsolete part
18	(844171)	1	• Fitting	L=36,70mm, Obsolete part
19	947620	1	• Gasket	
20		1	• Screw	
21	845738	6	• Washer	
22	244927	6	• Delivery valve	
23		1	• Governor	
24	(1699835)	1	• Spring disc	Obsolete part
25	244967	1	• Spring	
26	244972	1	• Spring disc	TH=1,80mm
27	244961	1	• Lever	TH=1,95mm
28	244969	1	• Lever	TH=2.00mm
29		1	• Screw	TH=2,12mm
30	(861436)	1	• Spring	TH=2.20mm, Obsolete part
31	244944	1	• Diaphragm	TH=2,32mm
32	844237	1	• Hollow screw	TH=2.40mm
33	244963	1	• Shim	Included in gasket kit., TH=2.50mm
34	845785	1	• Gasket	TH=2,52mm
35	(859463)	1	• Spring	TH=2.80mm, Obsolete part
36	844224	1	• O-ring	
37	844240	1	Gasket kit	

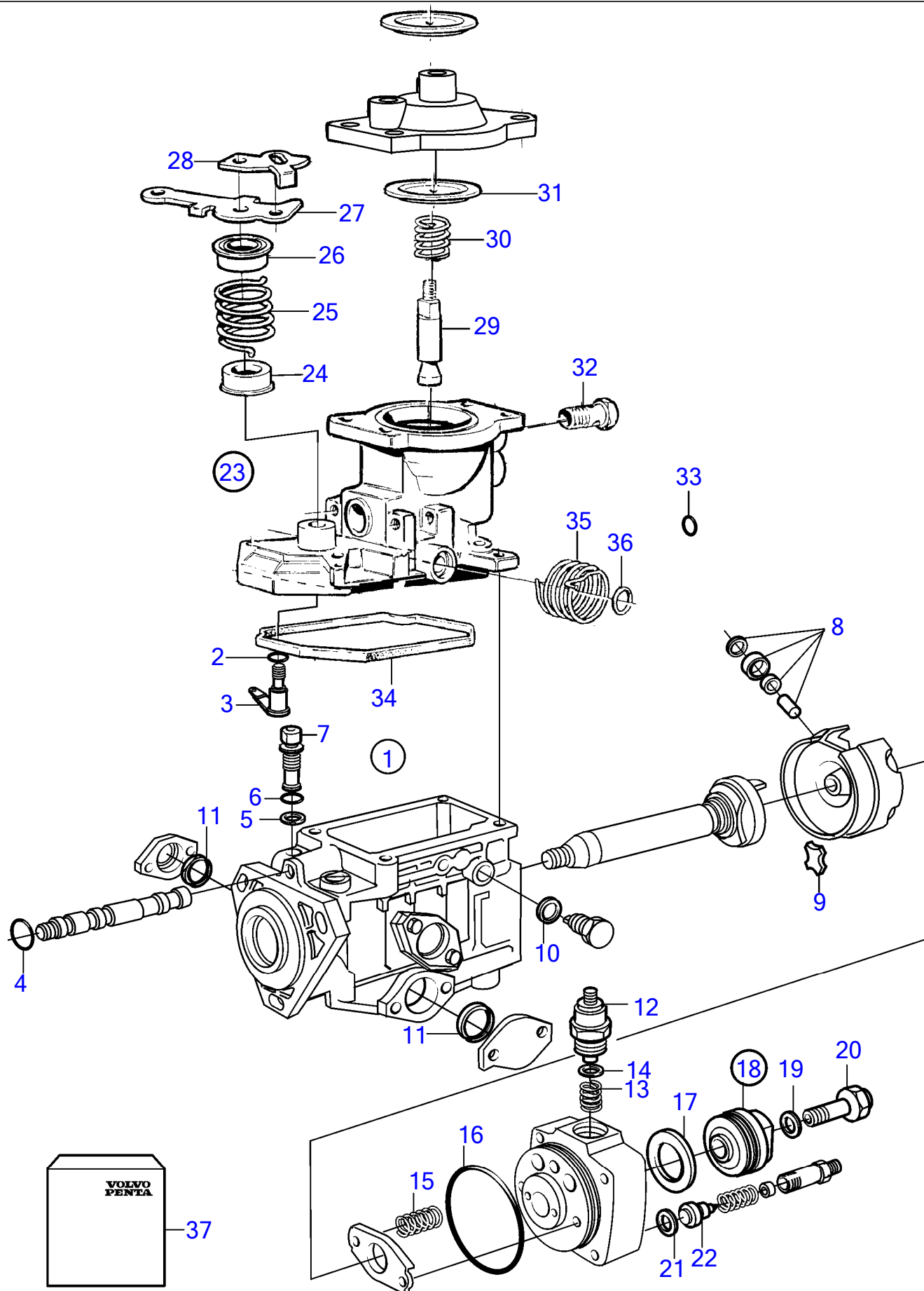


23 Fuel Injection Pump, Components: 860270
AD41P-A, TAM41P-A

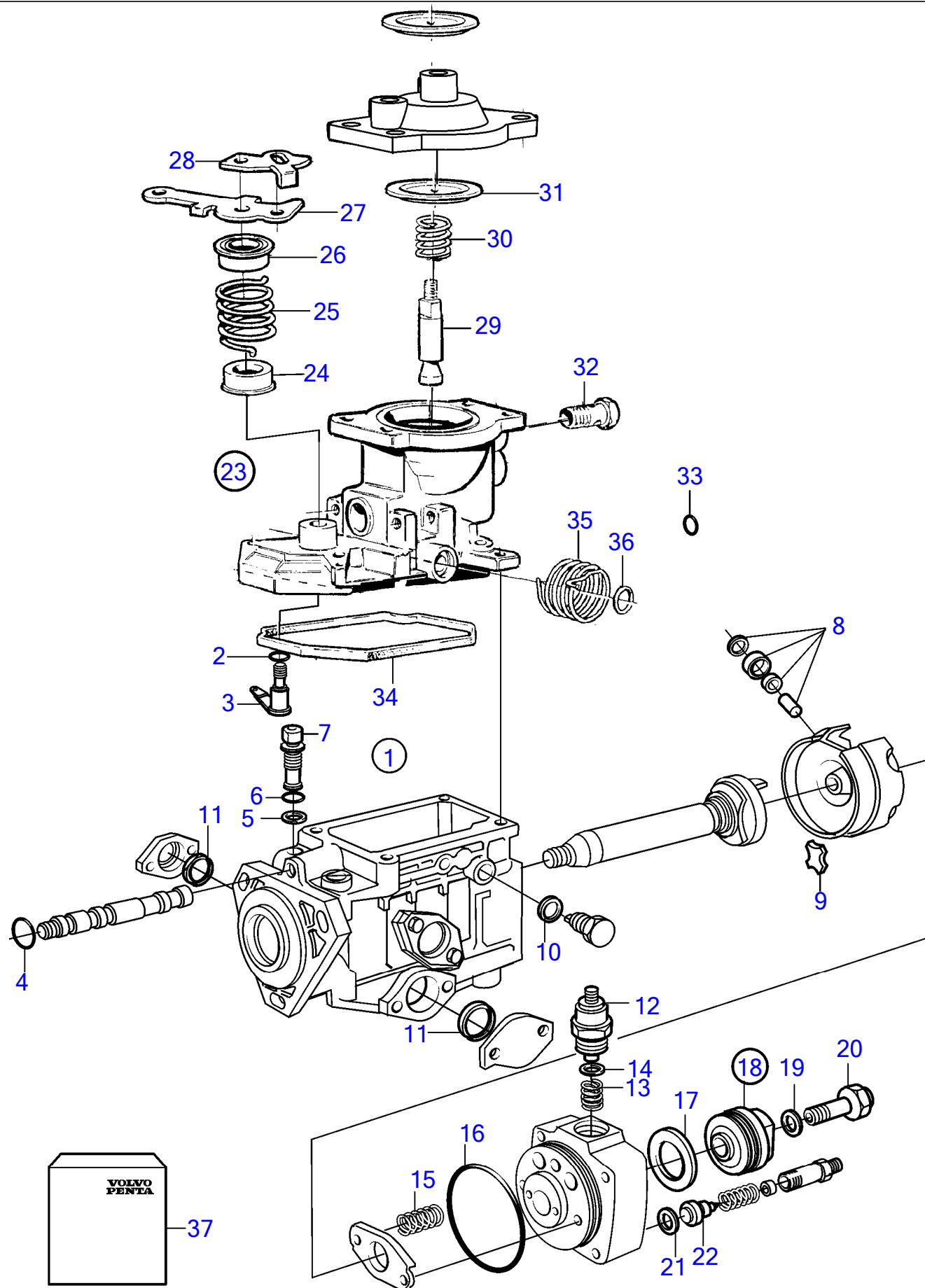
Ref	Part No.	Qty	Description	Notes
1	860270	1	Injection pump	
2	243567	1	• Sealing ring	Included in gasket kit.
3	(244959)	1	• Shaft	Obsolete part
4		1	• O-ring	Included in gasket kit.
5	(861520)	1	• O-ring	Included in gasket kit., Obsolete part
6	243520	1	• Sealing ring	Included in gasket kit.
7	859286	1	• Valve	
8	(859288)	1	• Spare parts kit	Obsolete part
9	844150	2	• Absorber	Included in gasket kit.
10		2	• Washer	Included in gasket kit.
11	838445	2	• O-ring	Included in gasket kit.
12	876614	1	• Stop solenoid	
13	861208	1	• • Spring	
14	243572	1	• O-ring	Included in gasket kit.
15			• Spring	
16	(243555)	1	• Sealing ring	Included in gasket kit., Obsolete part
17	(838402)	1	• O-ring	Obsolete part
18		1	• Fitting	
19		1	• • Gasket	
20		1	• • Screw	
21	(244930)	6	• Retainer	Obsolete part
22	244927	6	• Delivery valve	
23		1	• Governor	
24		1	• Spring disc	
25		1	• Spring	
26		1	• Spring disc	
27	244961	1	• Lever	
28	244969	1	• Lever	
29		1	• Screw	
30	859282	1	• Compression spring	
31	244944	1	• Diaphragm	
32	844237	1	• Hollow screw	
33	244963	1	• Shim	Included in gasket kit.
34		1	• Gasket	
35	(859463)	1	• Spring	Obsolete part
36	844224	1	• O-ring	Included in gasket kit.
37	844240	1	• Gasket kit	



Ref	Part No.	Qty	Description	Notes
1	(861315)	1	Injection pump	Obsolete part
2	243567	1	• Sealing ring	Included in gasket kit.
3	(244959)	1	• Shaft	Obsolete part
4	243786	1	• O-ring	Included in gasket kit.
5	(861520)	1	• O-ring	Included in gasket kit., Obsolete part
6	243520	1	• Sealing ring	Included in gasket kit.
7	844179	1	• Valve	
8		1	• Bearing	
9	844150	2	• Absorber	Included in gasket kit.
10		2	• Washer	Included in gasket kit.
11	838445	2	• O-ring	Included in gasket kit.
12	876614	1	• Stop solenoid	12V
13	861208	1	• • Spring	
14		1	• O-ring	Included in gasket kit.
15	(859482)	1	• Compression spring	Obsolete part
16	(243555)	1	• Sealing ring	Included in gasket kit., Obsolete part
17	(838402)	1	• O-ring	Obsolete part
18	861491	1	• Screw	
19		1	• Gasket	
20		1	• Screw	
21	845738	6	• Washer	
22		6	• Delivery valve	
23		1	• Governor	
24		1	• Spring disc	
25	244967	1	• Spring	
26	244972	1	• Spring disc	
27	244961	1	• Lever	TH=1,80mm
28	244969	1	• Lever	TH=1,95mm
29		1	• Adjuster screw	TH=2.00mm
30	(861436)	1	• Spring	TH=2,12mm, Obsolete part
31	244944	1	• Diaphragm	TH=2.20mm
32	861514	1	• Hollow screw	TH=2,32mm
33	244963	1	• Shim	Included in gasket kit., TH=2.40mm
34		1	• Gasket	TH=2.50mm
35	(859463)	1	• Spring	TH=2,52mm, Obsolete part
36	844224	1	• O-ring	Included in gasket kit., TH=2.80mm
37	844240	1	Gasket kit	



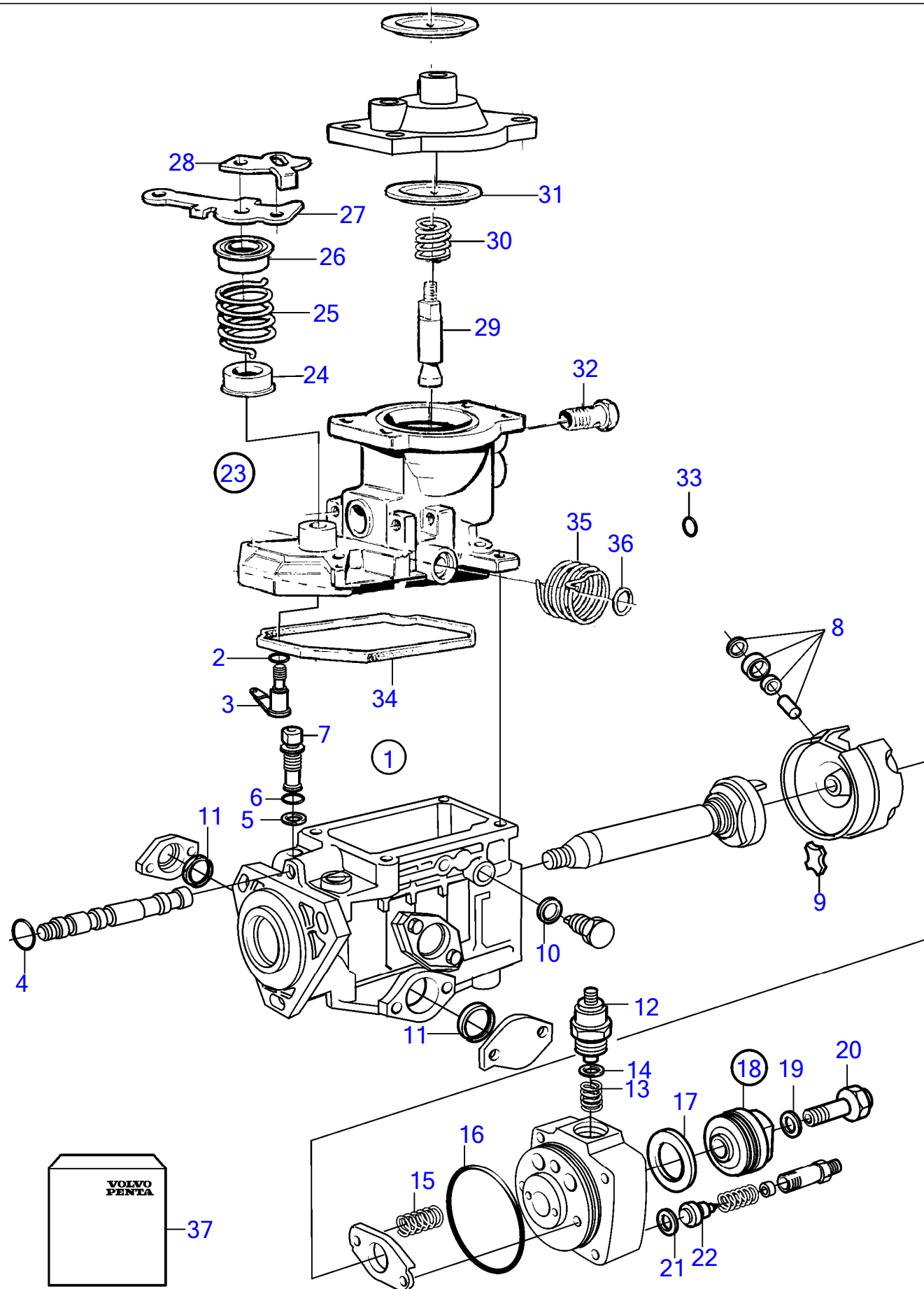
Ref	Part No.	Qty	Description	Notes
1	860513	1	Injection pump	
2	243567	1	• Sealing ring	Included in gasket kit.
3	(244959)	1	• Shaft	Obsolete part
4	243786	1	• O-ring	Included in gasket kit.
5	(861520)	1	• O-ring	Included in gasket kit., Obsolete part
6	243520	2	• Sealing ring	Included in gasket kit.
7	(244683)	1	• Valve	Obsolete part
8	(859352)	1	• Bearing kit	Obsolete part
9	844150	1	• Absorber	
10	1699759	1	• Gasket	
11	838445	2	• O-ring	Included in gasket kit.
12	876614	1	• Stop solenoid	12V
13	861208	1	• • Spring	
14		1	• O-ring	
15	(859353)	1	• Spring kit	Obsolete part
16	(243555)	1	• Sealing ring	Included in gasket kit., Obsolete part
17	(838402)	1	• O-ring	Obsolete part
18	(844171)	1	• Fitting	Obsolete part
19	947620	1	• • Gasket	
20		1	• • Screw	
21	845738	4	• Washer	
22	244927	4	• Delivery valve	
23		1	• Governor	
24		1	• Spring disc	
25	859339	1	• Spring	
26	244972	1	• Spring disc	
27	244961	1	• Lever	
28	244969	1	• Lever	
29		1	• Screw	
30	(859348)	1	• Compression spring	Obsolete part
	(859349)	1	• Compression spring	Obsolete part
	(859350)	1	• Compression spring	Obsolete part
31	244944	1	• Diaphragm	
32	844237	1	• Hollow screw	
33	244963	1	• Shim	Included in gasket kit.
34	845785	1	• Gasket	
35	(859463)	1	• Spring	Obsolete part
36	844224	1	• O-ring	Included in gasket kit.
37	844240	1	Gasket kit	



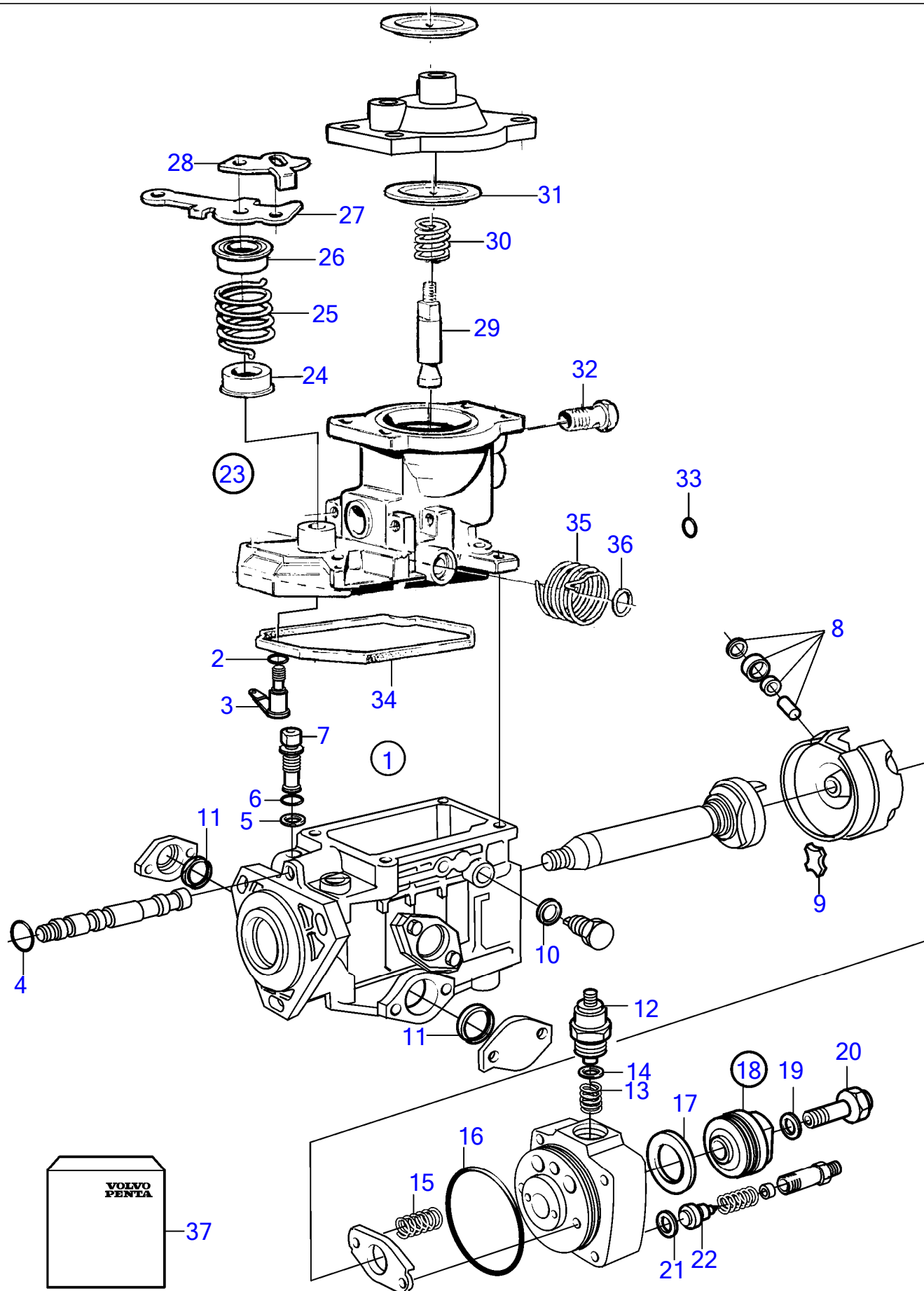
23 Fuel Injection Pump, Components: 860915

TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A

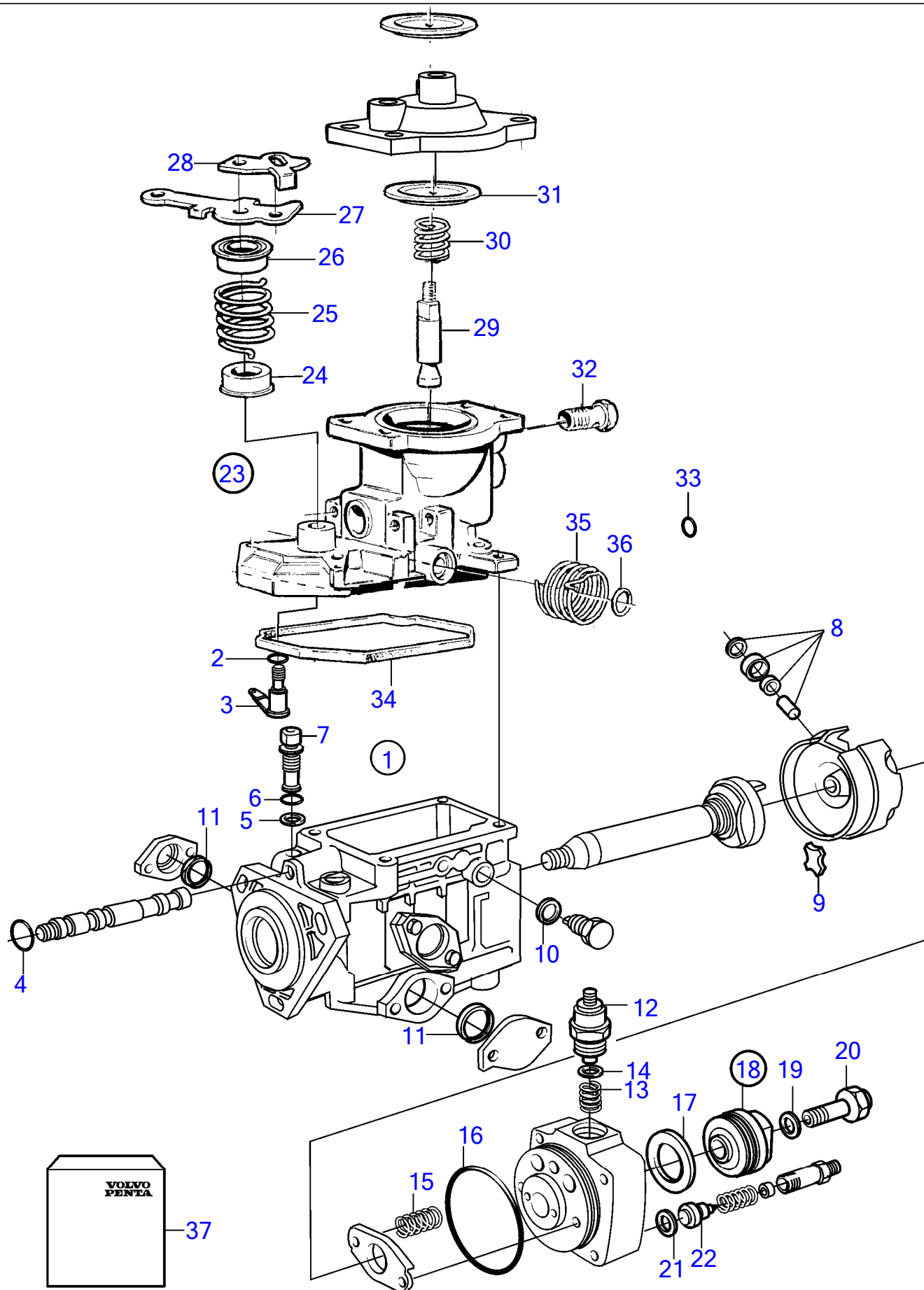
Ref	Part No.	Qty	Description	Notes
1	(860915)	1	Injection pump	Obsolete part
2	243567	1	• Sealing ring	Included in gasket kit.
3	(244959)	1	• Shaft	Obsolete part
4	243786	1	• O-ring	Included in gasket kit.
5	(861520)	1	• O-ring	Included in gasket kit., Obsolete part
6	243520	1	• Sealing ring	Included in gasket kit.
7	(244683)	1	• Valve	Obsolete part
8	(859288)	1	• Spare parts kit	Obsolete part
9	844150	2	• Absorber	Included in gasket kit.
10	1699759	2	• Gasket	Included in gasket kit.
11	838445	1	• O-ring	Included in gasket kit.
12	876614	1	• Stop solenoid	12V
13	861208	1	• • Spring	
14		1	• O-ring	Included in gasket kit.
15	844164	1	• Spring kit	
16	(243555)	1	• Sealing ring	Included in gasket kit., Obsolete part
17	(838402)	1	• O-ring	L=36,50mm, Obsolete part
18	(844171)	1	• Fitting	Obsolete part
19	947620	1	• Gasket	L=36,70mm
20		1	• Screw	
21	845738	6	• Washer	
22	244927	6	• Delivery valve	
23		1	• Governor	
24	(1699835)	1	• Spring disc	Obsolete part
25	244967	1	• Spring	
26	244972	1	• Spring disc	
27	244961	1	• Lever	TH=1,80mm
28	244969	1	• Lever	TH=1,95mm
29		1	• Screw	TH=2.00mm
30	(859293)	1	• Compression spring	TH=2,12mm, Obsolete part
	(859294)	1	• Compression spring	TH=2.20mm, Obsolete part
	(859295)	1	• Compression spring	TH=2,32mm, Obsolete part
31	244944	1	• Diaphragm	TH=2.40mm
32	844237	1	• Hollow screw	TH=2.50mm
33	244963	1	• Shim	Included in gasket kit., TH=2,52mm
34	845785	1	• Gasket	TH=2.80mm
35	(859463)	1	• Spring	Obsolete part
36	844224	1	• O-ring	Included in gasket kit.
37	844240	1	Gasket kit	



Ref	Part No.	Qty	Description	Notes
1	(861316)	1	Injection pump	Obsolete part
2	243567	1	• Sealing ring	Included in gasket kit.
3	(244959)	1	• Shaft	Obsolete part
4	243786	1	• O-ring	Included in gasket kit.
5	(861520)	1	• O-ring	Included in gasket kit., Obsolete part
6	243520	1	• Sealing ring	Included in gasket kit.
7	844179	1	• Valve	
8		1	• Bearing	
9	844150	2	• Absorber	Included in gasket kit.
10		2	• Washer	Included in gasket kit.
11	838445	2	• O-ring	Included in gasket kit.
12	876614	1	• Stop solenoid	12V
13	861208	1	• • Spring	
14		1	• O-ring	Included in gasket kit.
15	(859482)	1	• Compression spring	Obsolete part
16	(243555)	1	• Sealing ring	Included in gasket kit., Obsolete part
17	(838402)	1	• O-ring	Obsolete part
18	861491	1	• Screw	
19		1	• O-ring	
20		1	• Screw	
21	845738	6	• Washer	
22		6	• Delivery valve	
23		1	• Governor	
24		1	• Spring disc	
25	244967	1	• Spring	
26	244972	1	• Spring disc	
27	244961	1	• Lever	TH=1,80mm
28	244969	1	• Lever	TH=1,95mm
29		1	• Screw	TH=2.00mm
30	859283	1	• Compression spring	TH=2,12mm
31	244944	1	• Diaphragm	TH=2.20mm
32	861514	1	• Hollow screw	TH=2,32mm
33	244963	1	• Shim	Included in gasket kit., TH=2.40mm
34		1	• Gasket	TH=2.50mm
35	(859463)	1	• Spring	TH=2,52mm, Obsolete part
36	844224	1	• O-ring	TH=2.80mm
37	844240	1	Gasket kit	

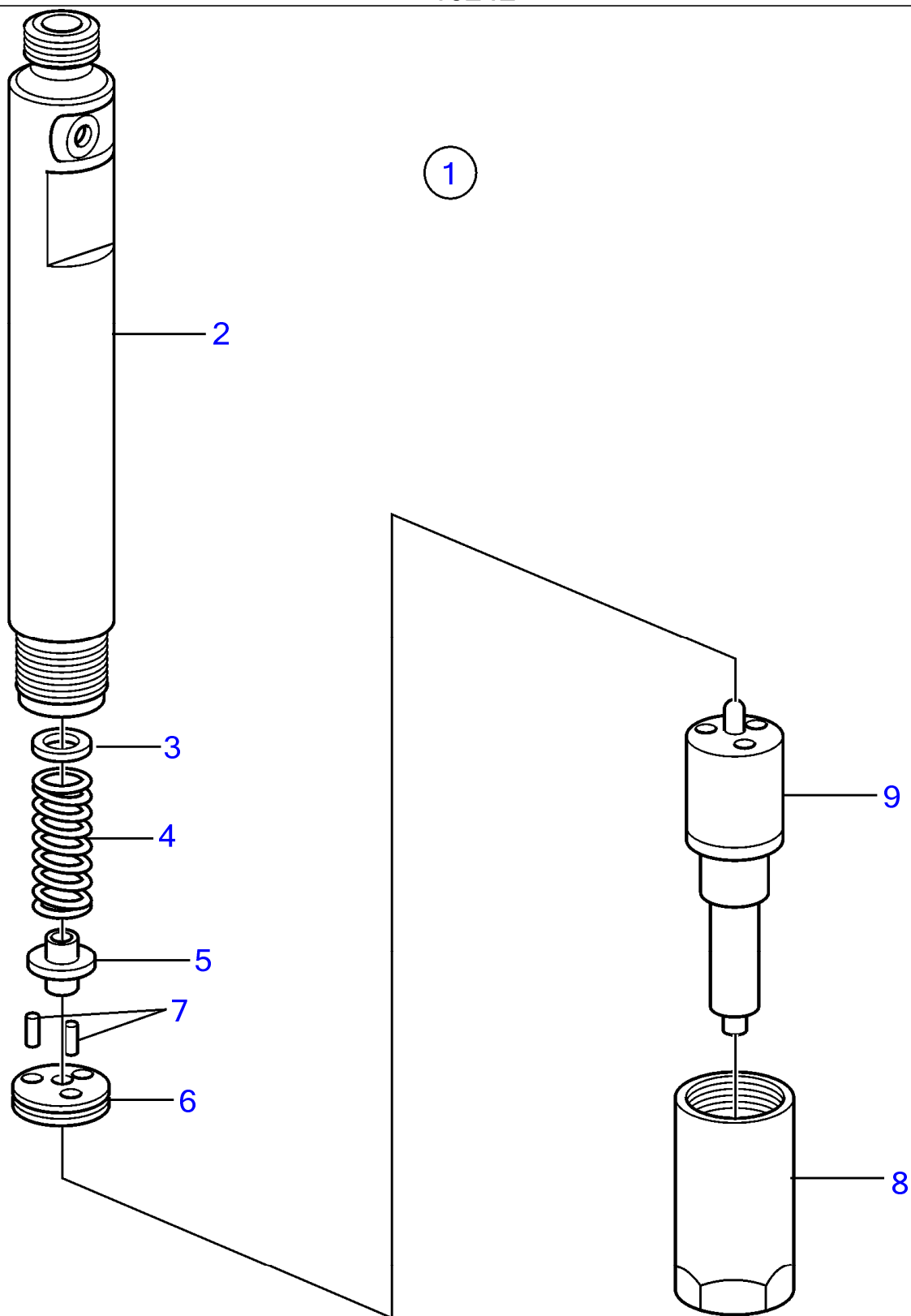


Ref	Part No.	Qty	Description	Notes
1	861102	1	Injection pump	
2	243567	1	• Sealing ring	Included in gasket kit.
3	(244959)	1	• Shaft	Obsolete part
4	243786	1	• O-ring	Included in gasket kit.
5	(861520)	1	• O-ring	Included in gasket kit.
6	243520	1	• Sealing ring	Included in gasket kit.
7	844179	1	• Valve	
8		1	• Bearing	
9	844150	2	• Absorber	Included in gasket kit.
10		2	• Washer	Included in gasket kit.
11	838445	1	• O-ring	Included in gasket kit.
12	876614	1	• Stop solenoid	12V
13	861208	1	• • Spring	
14		1	• O-ring	Included in gasket kit.
15	(859482)	1	• Compression spring	Obsolete part
16	(243555)	1	• Sealing ring	Included in gasket kit., Obsolete part
17	(838402)	1	• O-ring	Obsolete part
18		1	• Plug	
19		1	• O-ring	
20		1	• Screw	
21	845738	6	• Washer	
22		6	• Delivery valve	
23		1	• Governor	
24		1	• Spring disc	
25	244967	1	• Spring	
26	244972	1	• Spring disc	
27	244961	1	• Lever	TH=1,80mm
28	244969	1	• Lever	TH=1,95mm
29		1	• Screw	TH=2.00mm
30		1	• Spring	TH=2,12mm
31	244944	1	• Diaphragm	TH=2.20mm
32	861514	1	• Hollow screw	TH=2,32mm
33	244963	1	• Shim	Included in gasket kit., TH=2.40mm
34		1	• Gasket	TH=2.50mm
35	(859463)	1	• Spring	TH=2,52mm, Obsolete part
36	844224	1	• O-ring	Included in gasket kit., TH=2.80mm
37	844240	1	Gasket kit	



23 Fuel Injection Pump, Components: 3581579

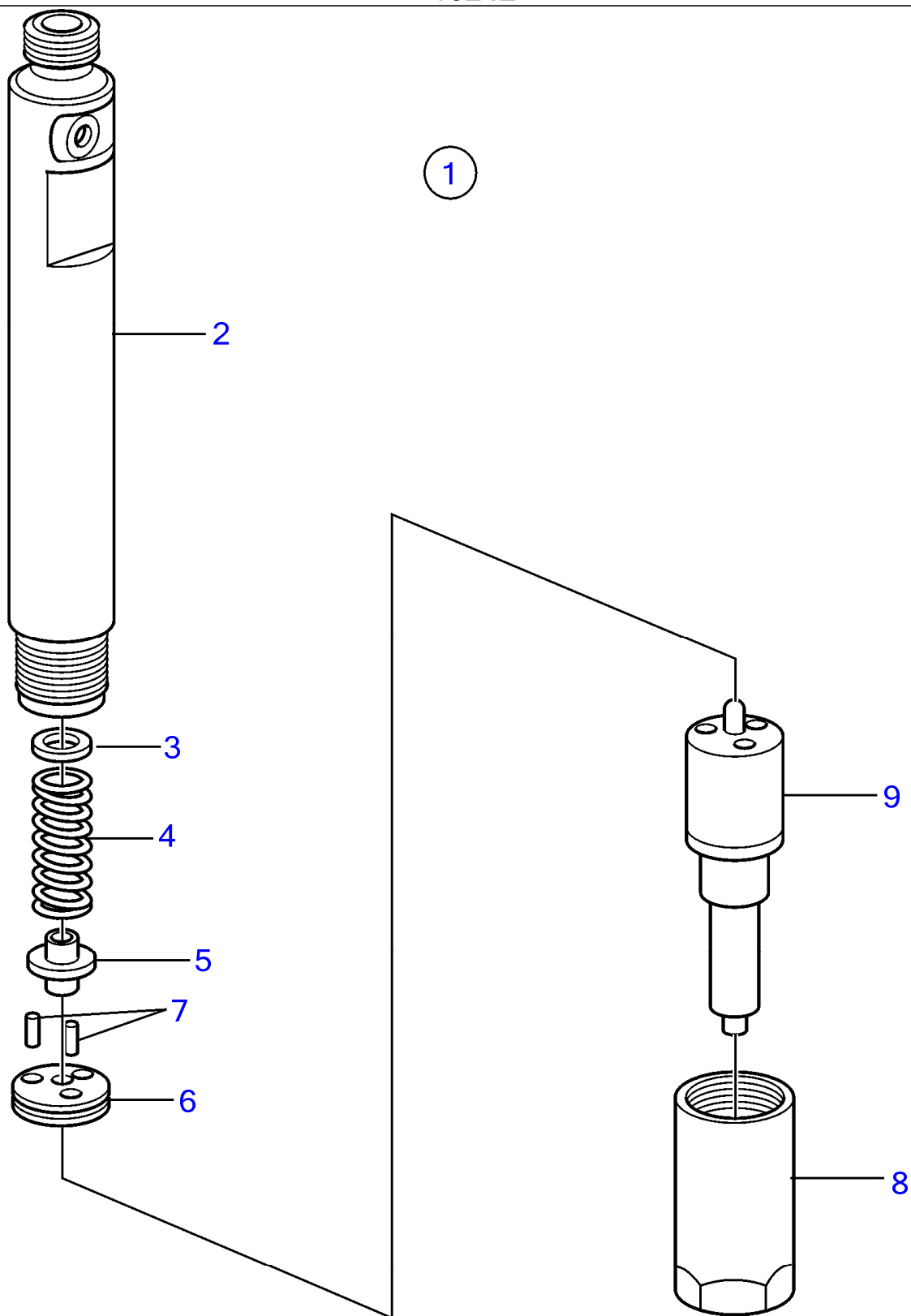
Ref	Part No.	Qty	Description	Notes
1	(3581579)	1	Injection pump	Obsolete part
2	243567	1	• Sealing ring	Included in gasket kit.
3	(244959)	1	• Shaft	Obsolete part
4		1	• O-ring	
5	(861520)	1	• O-ring	Included in gasket kit., Obsolete part
6	243520	1	• Sealing ring	Included in gasket kit.
7	844179	1	• Valve	
8		1	• Overhaul kit	
9	(3582489)	1	• Absorber	Obsolete part
10	1699759	1	• Gasket	
11	838445	2	• O-ring	Included in gasket kit.
12		1	• Stop solenoid	12V
13	861208	1	• • Spring	
14	243572	1	• O-ring	
15		1	• Spring kit	
16	(243555)	1	• Sealing ring	Included in gasket kit., Obsolete part
17	(838402)	1	• O-ring	Obsolete part
18	861491	1	• Screw	
19		1	• • Gasket	
20		1	• • Screw	
21	845738	4	• Washer	
22	(859335)	4	• Delivery valve	Obsolete part
23		1	• Governor	
24		1	• Spring disc	
25		1	• Spring	
26		1	• Spring disc	
27		1	• Lever	
28		1	• Lever	
29		1	• Screw	
30		1	• Compression spring	
31		1	• Diaphragm	
32		1	• Screw	
33		1	• O-ring	
34		1	• Gasket	
35	(859462)	1	• Spring	Obsolete part
36	3582602	1	• O-ring	Included in gasket kit.
37	3582603	1	Gasket kit	



23 Fuel Injector, Components: 861103

AD31L-A, AD31P-A, AD41L-A, AD41P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A,
TAMD41H-A, TAMD41P-A, TAMD41L-A, TAMD41M-A

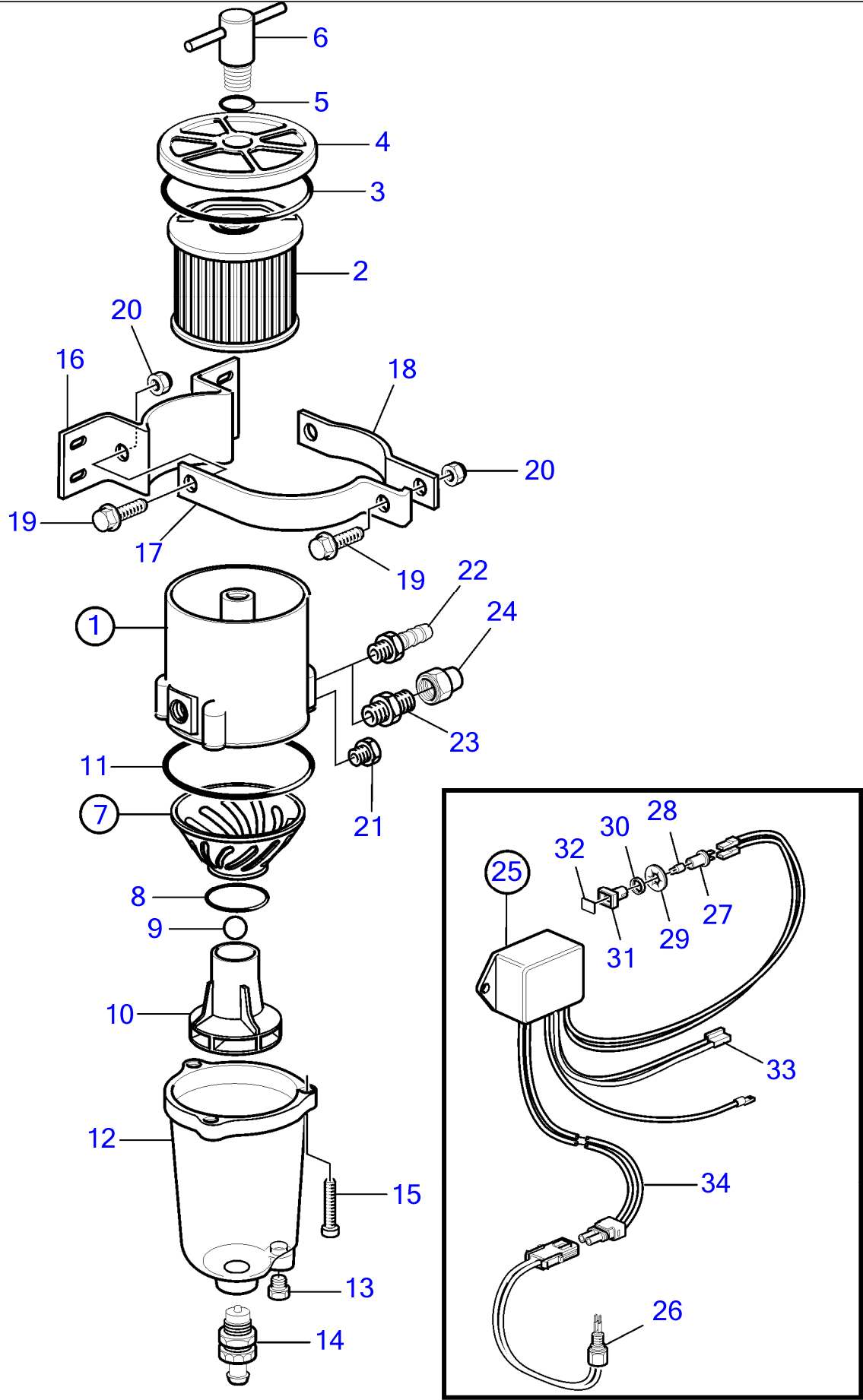
Ref	Part No.	Qty	Description	Notes
1	861103	1	Injector	
	3803238	1	Injector, exch	
2		1	• Nozzle retainer	
3	243467	X	• • Adjusting washer	TH=1,00mm
	243468	X	• • Adjusting washer	TH=1,05mm
	11705718	X	• • Shim	TH=1,08mm
	243469	X	• • Adjusting washer	TH=1,10mm
	(243470)	X	• • Adjusting washer	TH=1,15mm, Obsolete part
	11705722	X	• • Shim	TH=1,20mm
	3830388	X	• • Spacer	TH=1,24mm
	11705724	X	• • Shim	TH=1,28mm
	11705725	X	• • Adjusting washer	TH=1,30mm
	11705726	X	• • Shim	TH=1,35mm
	243475	X	• • Adjusting washer	TH=1,40mm
	243476	X	• • Adjusting washer	TH=1,45mm
	(6885727)	X	• • Shim	TH=1,48mm, Obsolete part
	11705731	X	• • Adjusting washer	TH=1,50mm
	243478	X	• • Adjusting washer	TH=1,55mm
	11705734	X	• • Adjusting washer	TH=1,60mm
	243480	X	• • Adjusting washer	TH=1,65mm
	6885730	X	• • Shim	TH=1,68mm
	11705737	X	• • Adjusting washer	TH=1,70mm
	243482	X	• • Adjusting washer	TH=1,75mm
	11705740	X	• • Shim	TH=1,80mm
	6885739	X	• • Shim	TH=1,84mm
	6885740	X	• • Shim	TH=1,88mm
	243485	X	• • Adjusting washer	TH=1,90mm
	(243486)	X	• • Adjusting washer	TH=1,95mm, Obsolete part
4	6885720	1	• • Compression spring	
5		1	• • Pressure bolt	
6		1	• • Washer	
7	244907	2	• • Locating pin	
8	243489	1	• • Nut	
9	861117	1	• Nozzle	



23 Fuel Injector, Components: 859494

AD41L-A, AD41P-A, TAMD31L-A, TAMD31M-A

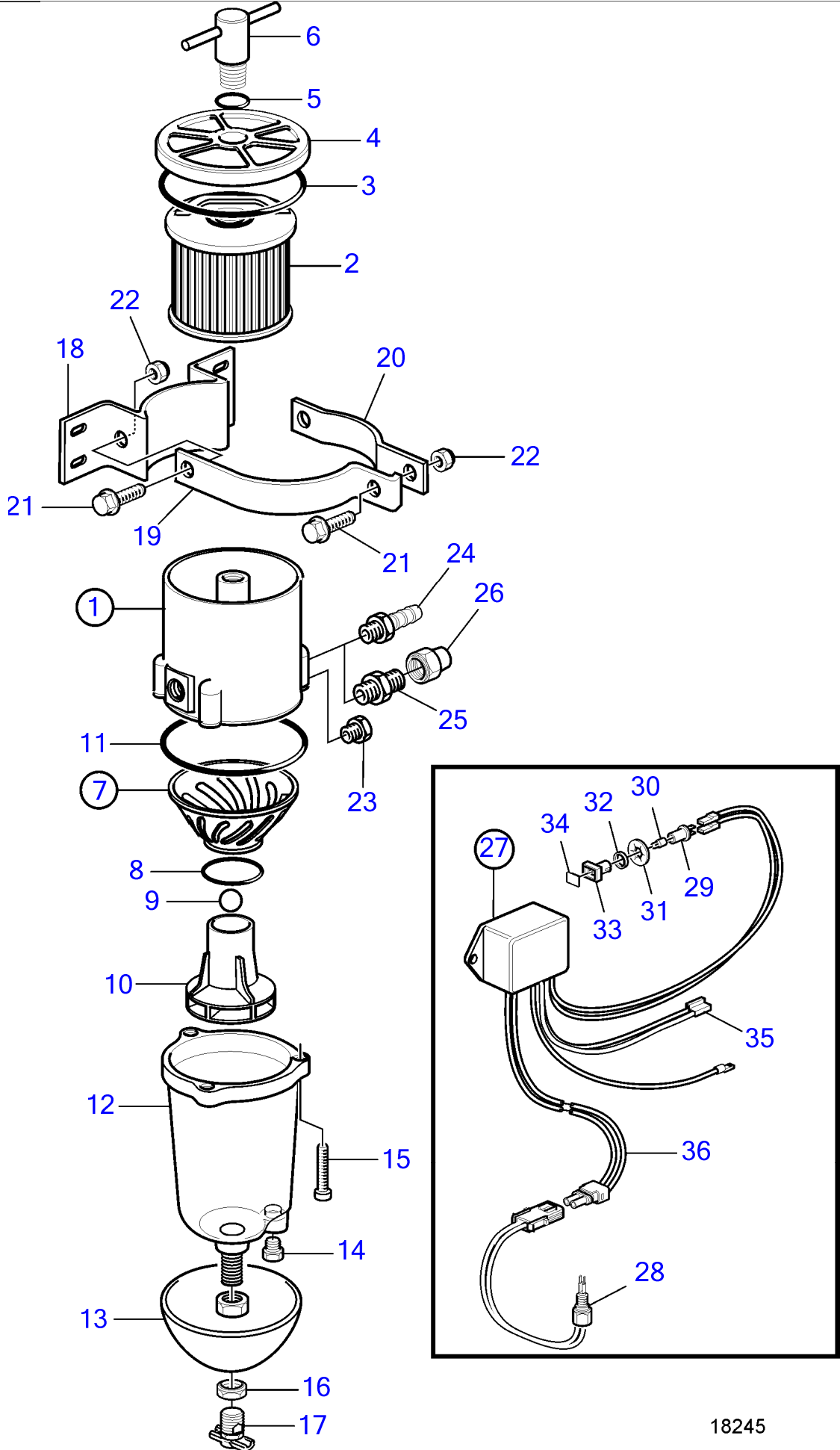
Ref	Part No.	Qty	Description	Notes
1	859494	1	Injector	
	3803235	1	Injector, exch	
2		1	• Nozzle retainer	
3	243467	X	• • Adjusting washer	TH=1,00mm
	243468	X	• • Adjusting washer	TH=1,05mm
	11705718	X	• • Shim	TH=1,08mm
	243469	X	• • Adjusting washer	TH=1,10mm
	(243470)	X	• • Adjusting washer	TH=1,15mm, Obsolete part
	11705722	X	• • Shim	TH=1,20mm
	3830388	X	• • Spacer	TH=1,24mm
	11705724	X	• • Shim	TH=1,28mm
	11705725	X	• • Adjusting washer	TH=1,30mm
	11705726	X	• • Shim	TH=1,35mm
	243475	X	• • Adjusting washer	TH=1,40mm
	243476	X	• • Adjusting washer	TH=1,45mm
	(6885727)	X	• • Shim	TH=1,48mm, Obsolete part
	11705731	X	• • Adjusting washer	TH=1,50mm
	243478	X	• • Adjusting washer	TH=1,55mm
	11705734	X	• • Adjusting washer	TH=1,60mm
	243480	X	• • Adjusting washer	TH=1,65mm
	6885730	X	• • Shim	TH=1,68mm
	11705737	X	• • Adjusting washer	TH=1,70mm
	243482	X	• • Adjusting washer	TH=1,75mm
	11705740	X	• • Shim	TH=1,80mm
	6885739	X	• • Shim	TH=1,84mm
	6885740	X	• • Shim	TH=1,88mm
	243485	X	• • Adjusting washer	TH=1,90mm
	(243486)	X	• • Adjusting washer	TH=1,95mm, Obsolete part
4	6885720	1	• • Compression spring	
5		1	• • Pressure bolt	
6		1	• • Washer	
7	244907	2	• • Locating pin	
8	243489	1	• • Nut	
9	859782	1	• Nozzle	



23 Fuel Filter and Water Separator

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

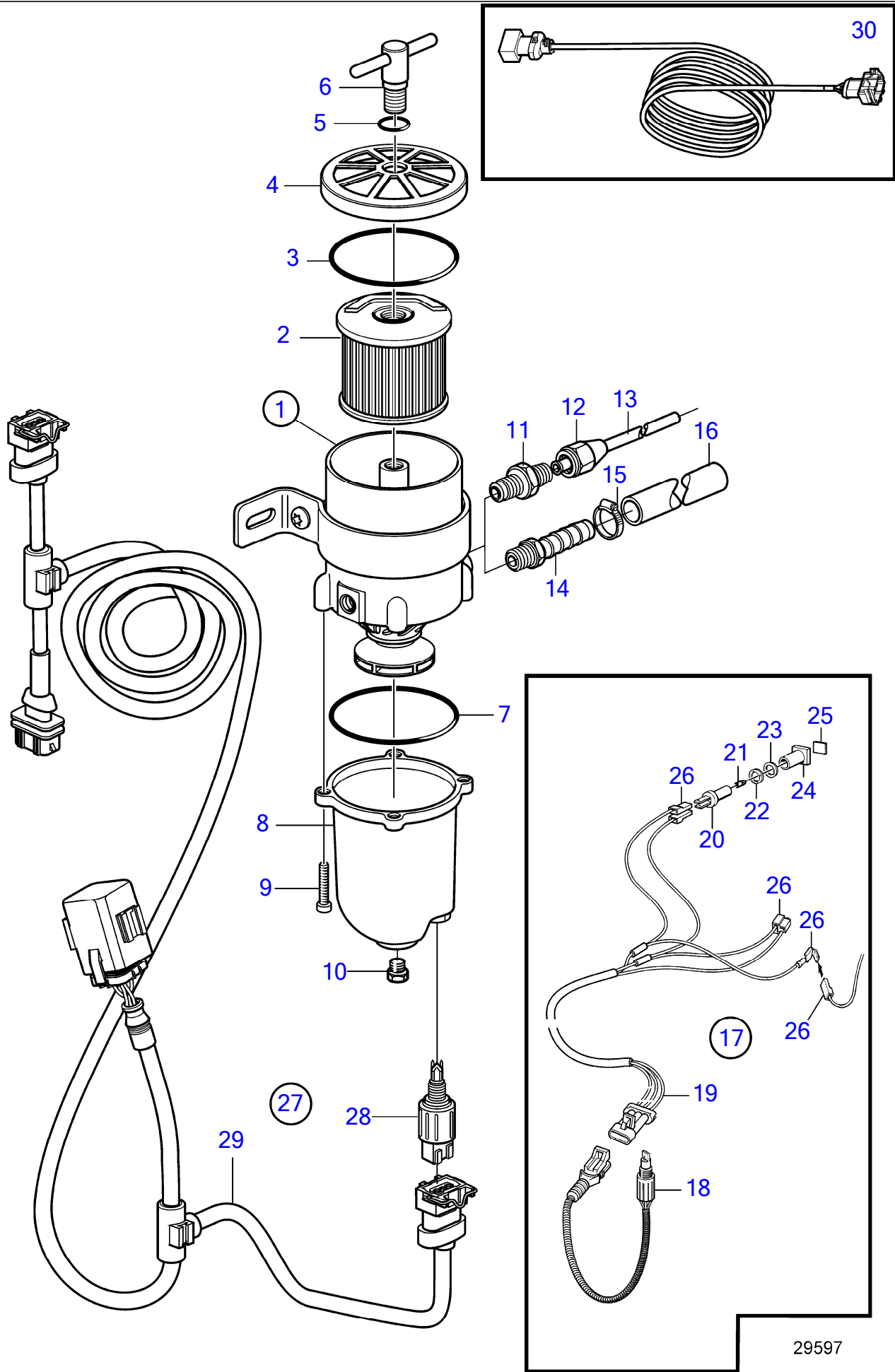
Ref	Part No.	Qty	Description	Notes
1	861143	1	Fuel filter	Repl by 877762
			• Bulletin 50-03	Extra Fuel/Water Separators, D2010, D22
			• Bulletin 50-10	Changes in Fuel Filter Program due to Legislation
			• Bulletin 50-11A	Fuel Filters / Water Separators
1	877762	1	Fuel filter	
			• Bulletin P-44-5-18	Water in Fuel Alarm for fuel pre-filters
1			•	
2	1147147	1	• Fuel filter insert	2 mikron
	861014	1	• Insert	10 mikron, Std
	3581760	1	•	30 mikron
3	838504	1	• Gasket	
4		1	• Lock	
5	838505	1	• O-ring	
6		1	• Handle	
7	861455	1	• O-ring	
8		1	• • O-ring	
9		1	• • Ball	
10		1	• • Insert	
11	3838861	1	• • Gasket	(838502)
12	3838848	1	• Bowl	(861453)
13		1	• Plug	
14	861456	1	• Faucet	
15	950024	4	• Cross recessed screw	
16		1	• Bracket	
17		1	• Clamp	
18		1	• Clamp	
19		3	• Screw	
20		3	• Nut	
21		1	• Plug	
22	3825000	X	Hose nipple	(834781)
23	954337	X	Nipple	
24	954323	X	Fitting nut	
25	1140724	1	Level guard	
26	3588916	1	• Alarm kit	
27	808175	1	• Bulb socket	
28	19923	1	• Bulb	12V, 2W
	182059	1	• Bulb	24V, 3W
29	967583	1	• Retainer	
30	829714	1	• Sealing ring	
31	838455	1	• Retainer	
32	872591	1	• Symbol strip	
33		X	• cables and terminals	
34	881774	1	Wiring harness	



23 Fuel Filter and Water Separator, RINA-approved

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

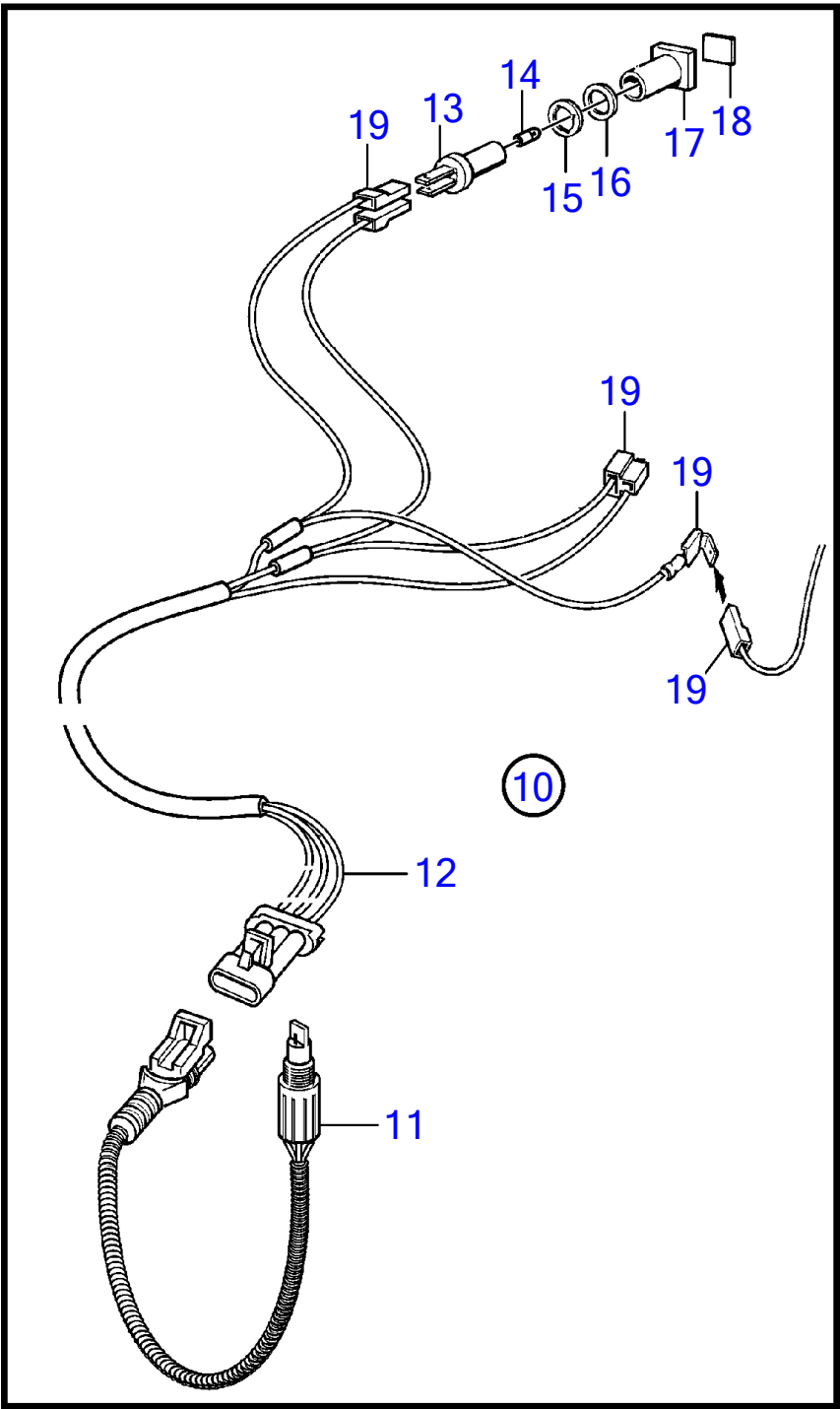
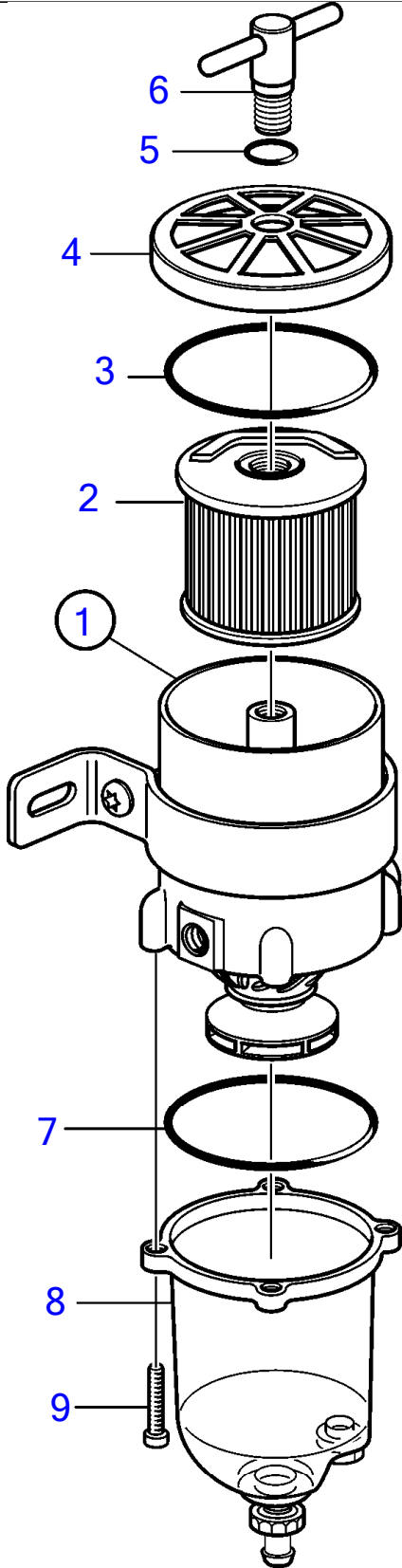
Ref	Part No.	Qty	Description	Notes
1	3582350	1	Fuel filter	Repl by 877763
			• Bulletin 50-11A	Fuel Filters / Water Separators
1	877763	1	Fuel filter	
			•	
			• Bulletin P-44-5-18	Water in Fuel Alarm for fuel pre-filters
2	861014	1	• Insert	
3	838504	1	• Gasket	
4		1	• Lock	
5	838505	1	• O-ring	
6		1	• Handle	
7	861455	1	• O-ring	
8		1	• • O-ring	
9		1	• • Ball	
10		1	• • Insert	
11	3838861	1	• • Gasket	(838502)
12	3838849	1	Bowl	
13		1	• Heat shield	
14		1	• Plug	
15	950024	4	• Cross recessed screw	
16	(861459)	2	• Nut	Obsolete part
17	(861458)	1	• Faucet	Obsolete part
18		1	• Bracket	
19		1	• Clamp	
20		1	• Clamp	
21		3	• Screw	
22		3	• Nut	
23		1	• Plug	
24	3825000	X	Hose nipple	(834781)
25	954337	X	Nipple	
26	954323	X	Fitting nut	
27	1140724	1	Level guard	(1140609)
28	3588916	1	• Alarm kit	
29	808175	1	• Bulb socket	
30	19923	1	• Bulb	12V, 2W
	182059	1	• Bulb	24V, 3W
31	967583	1	• Retainer	
32	829714	1	• Sealing ring	
33	838455	1	• Retainer	
34	872591	1	• Symbol strip	
35		X	• cables and terminals	
36	881774	1	Wiring harness	



23 Fuel Filter and Water Separator, RINA-approved

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

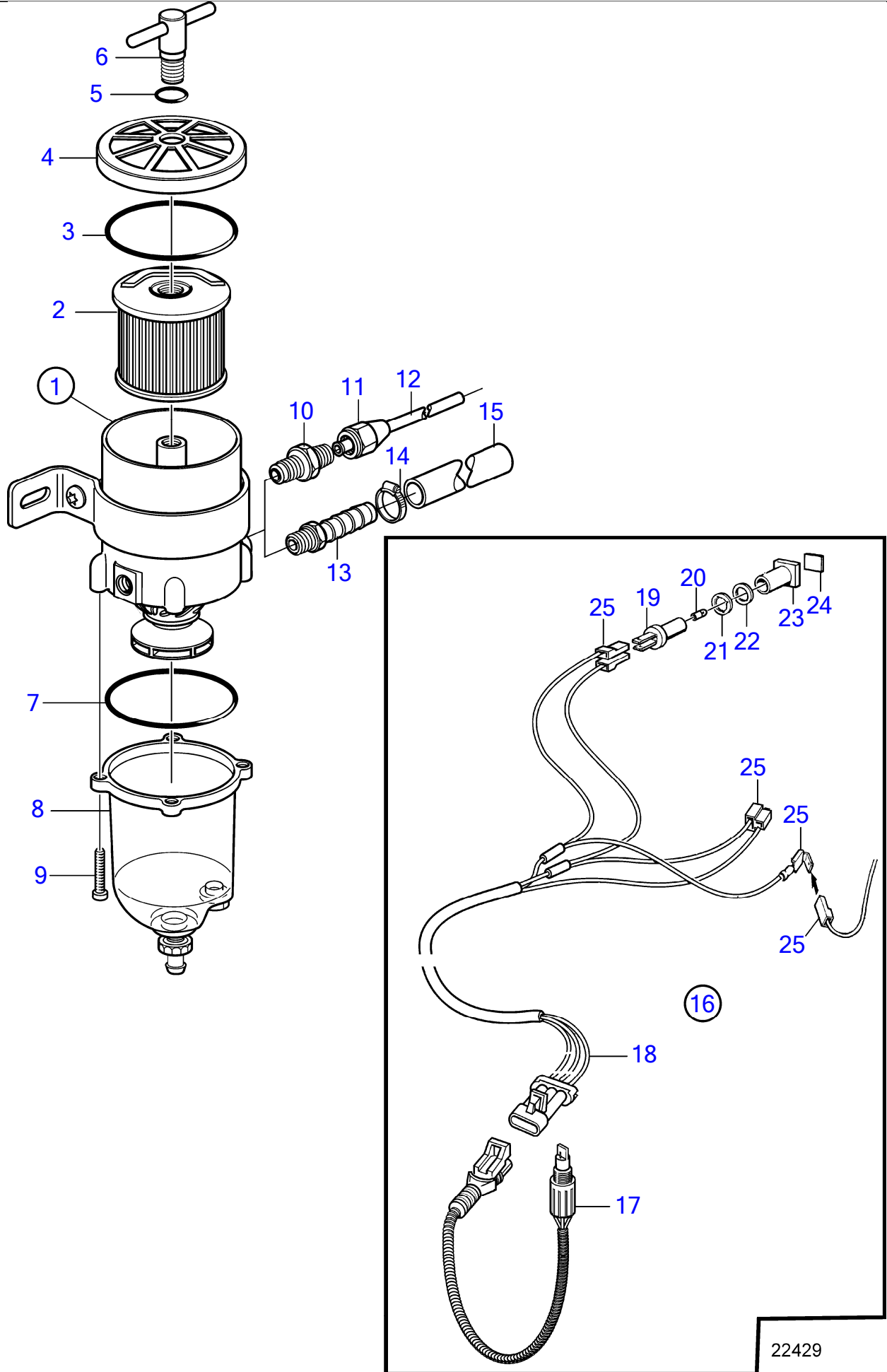
Ref	Part No.	Qty	Description	Notes
1	877763	1	Fuel filter	
			• Bulletin P-44-5-18	Water in Fuel Alarm for fuel pre-filters
2	1147147	1	• Fuel filter insert	2 mikron
	861014	1	• Insert	10 mikron, Std
	3581760	1	•	30 mikron
3	838504	1	• Gasket	
4		1	• Lock	
5	838505	1	• O-ring	
6		1	• Handle	
7	3838861	1	• Gasket	
8	3838849	1	• Bowl	
9	950024	4	• Cross recessed screw	
10	952075	1	• Plug	
11	954337	2	Nipple	
12	954323	2	Fitting nut	
13	1140062	2	Copper tube	
14	3825000	2	Hose nipple	
15	961664	2	Hose clamp	
16	861057	X	Fuel hose	3/8"
			• Bulletin P-23-4-4	Fuel Hose P/N 861057
17	1140724	1	Level guard	
18	3588916	1	• Alarm kit	
19	881774	1	• Wiring harness	
20	808175	1	• Bulb socket	
21	19923	1	• Bulb	12V, 2W
	182059	1	• Bulb	24V, 3W
22	967583	1	• Retainer	
23	829714	1	• Sealing ring	
24	838455	1	• Retainer	
25	872591	1	• Symbol strip	
26		X	• cables and terminals	
27	21641493	1	Wif sensor kit	
			• Bulletin P-44-5-18	Water in Fuel Alarm for fuel pre-filters
28	21614395	1	• Sensor	Alternative
29	21432601	1	• Wiring harness	Alternative
30	23274972	1		Extension cable, L=2000mm



23 Fuel Filter and Water Separator

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

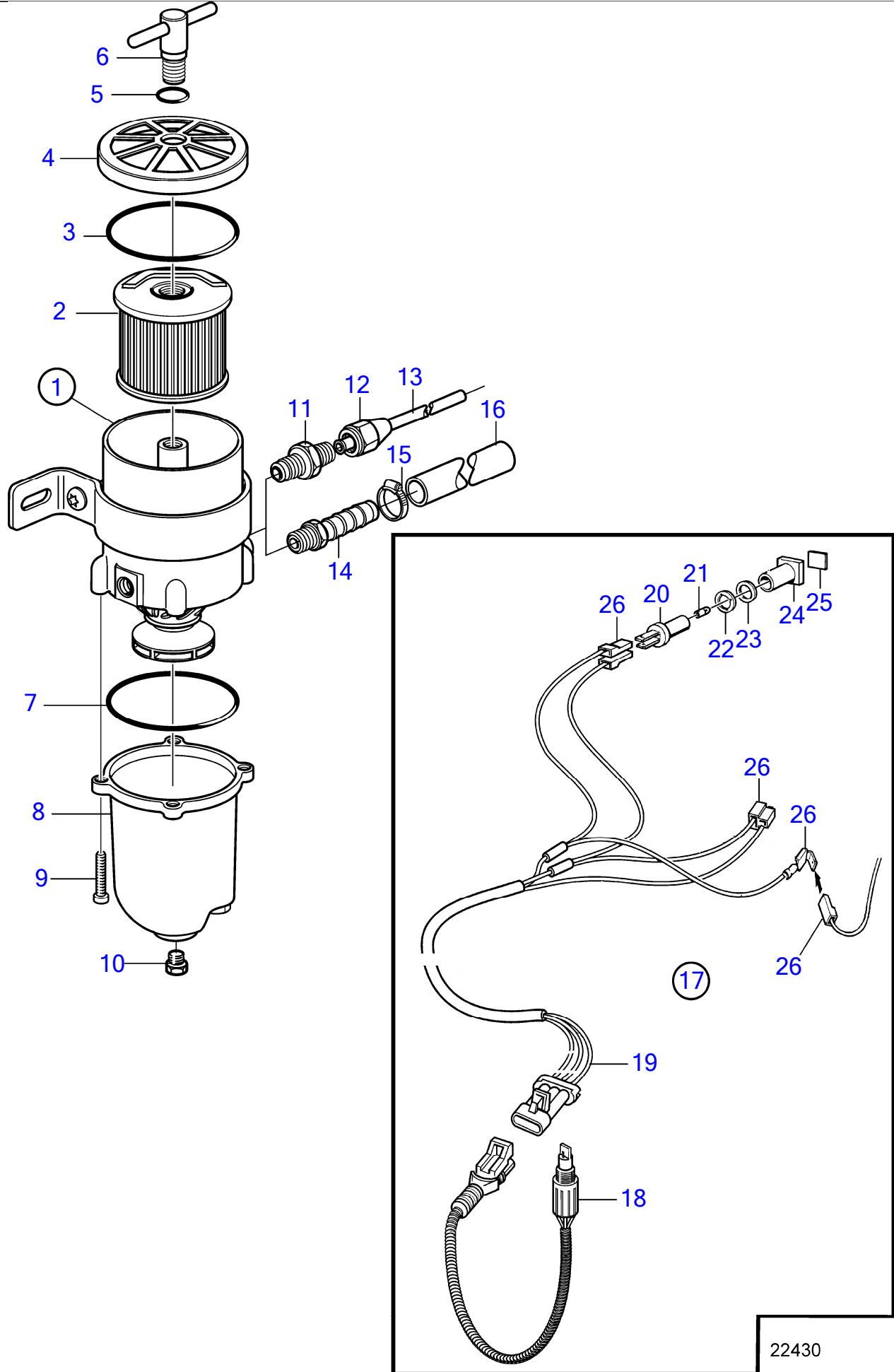
Ref	Part No.	Qty	Description	Notes
1	877762	1	Fuel filter	
			• Bulletin P-44-5-18	Water in Fuel Alarm for fuel pre-filters
2	861014	1	• Insert	
3	838504	1	• Gasket	
4		1	• Strainer	
5	838506	1	• O-ring	
6		1	• Handle	
7	3838861	1	• Gasket	
8	3838848	1	• Bowl	
9	950024	4	• Cross recessed screw	
10	1140724	1	Level guard	
11	3588916	1	• Alarm kit	
12	881774	1	• Wiring harness	
13	808175	1	• Bulb socket	
14	19923	1	• Bulb	12V, 2W
	182059	1	• Bulb	24V, 3W
15	967583	1	• Retainer	
16	829714	1	• Sealing ring	
17	838455	1	• Retainer	
18	872591	1	• Symbol strip	
19		X	• cables and terminals	



23 Fuel Filter and Water Separator

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

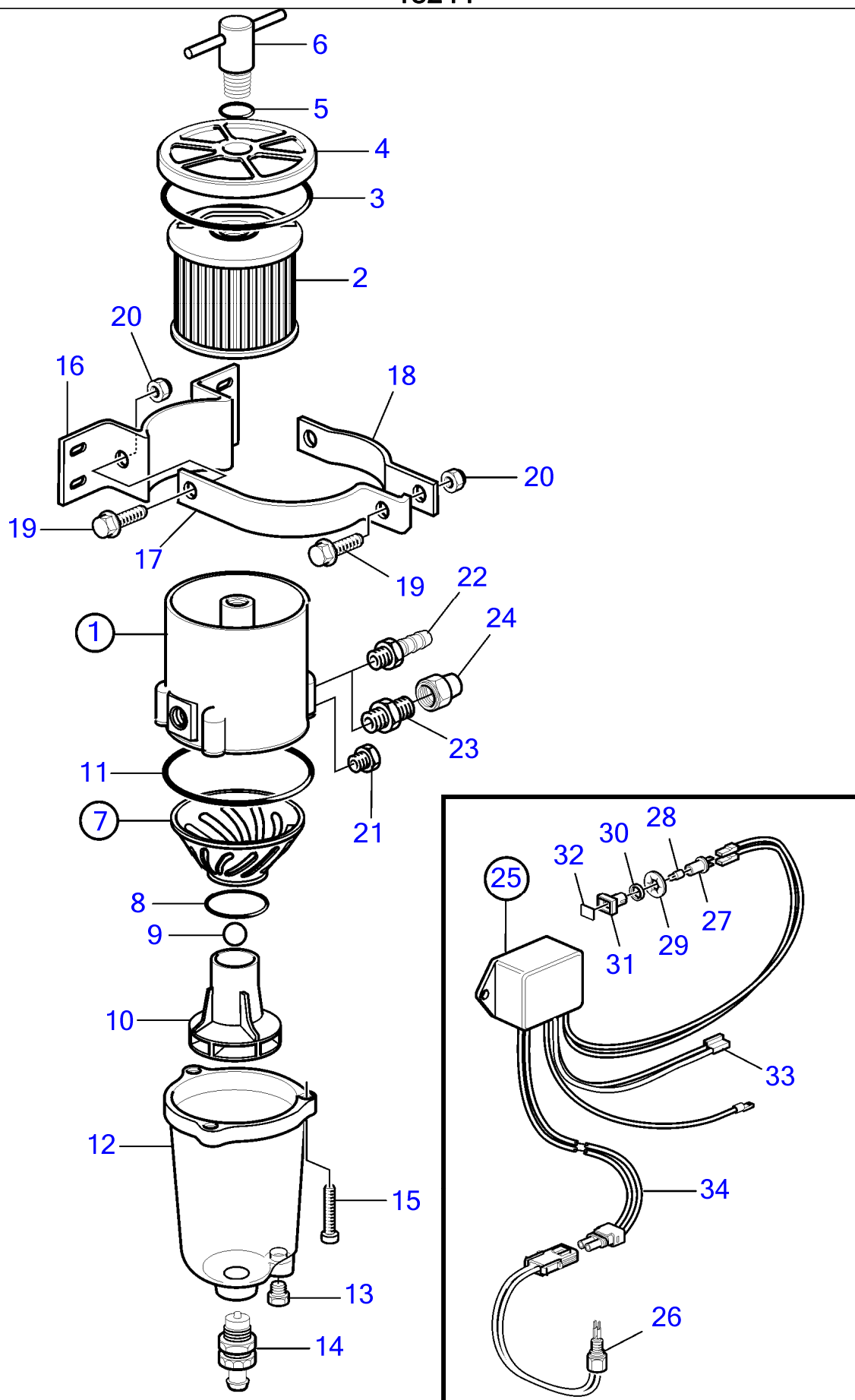
Ref	Part No.	Qty	Description	Notes
1	877762	1	Fuel filter	(861143)
			• Bulletin P-44-5-18	Water in Fuel Alarm for fuel pre-filters
2	1147147	1	• Fuel filter insert	2 mikron
	861014	1	• Insert	10 mikron, Std
	3581760	1	•	30 mikron
3	838504	1	• Gasket	
4		1	• Lock	
5	838505	1	• O-ring	
6		1	• Handle	
7	3838861	1	• Gasket	
8	3838848	1	• Bowl	
9	950024	4	• Cross recessed screw	
10	954337	2	Nipple	
11	954323	2	Fitting nut	
12	1140062	2	Copper tube	
13	3825000	2	Hose nipple	
14	961664	2	Hose clamp	
15	861057	X	Fuel hose	3/8"
			• Bulletin P-23-4-4	Fuel Hose P/N 861057
16	1140724	1	Level guard	
17	3588916	1	• Alarm kit	
18	881774	1	• Wiring harness	
19	808175	1	• Bulb socket	
20	19923	1	• Bulb	12V, 2W
	182059	1	• Bulb	24V, 3W
21	967583	1	• Retainer	
22	829714	1	• Sealing ring	
23	838455	1	• Retainer	
24	872591	1	• Symbol strip	
25		X	• cables and terminals	



23 Fuel Filter and Water Separator, RINA-approved

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

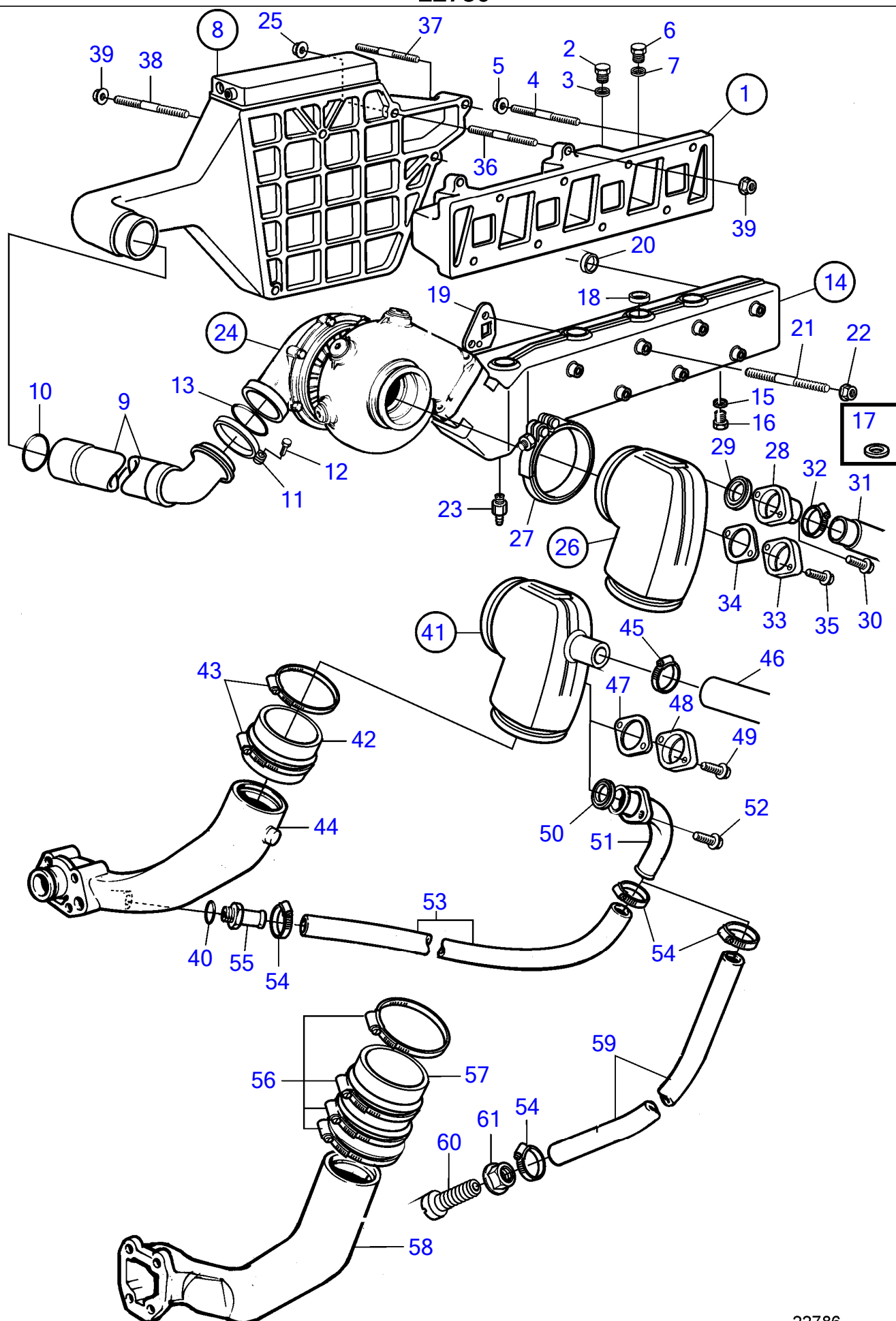
Ref	Part No.	Qty	Description	Notes
1	877763	1	Fuel filter	
			• Bulletin P-44-5-18	Water in Fuel Alarm for fuel pre-filters
2	1147147	1	• Fuel filter insert	2 mikron
	861014	1	• Insert	10 mikron
	3581760	1	•	30 mikron
3	838504	1	• Gasket	
4		1	• Lock	
5	838505	1	• O-ring	
6		1	• Handle	
7	3838861	1	• Gasket	
8	3838849	1	• Bowl	
9	950024	4	• Cross recessed screw	
10	952075	1	• Plug	
11	954337	2	Nipple	
12	954323	2	Fitting nut	
13	1140062	2	Copper tube	
14	3825000	2	Hose nipple	
15	961664	2	Hose clamp	
16	861057	X	Fuel hose	3/8"
			• Bulletin P-23-4-4	Fuel Hose P/N 861057
17	1140724	1	Level guard	
18	3588916	1	• Alarm kit	
19	881774	1	• Wiring harness	
20	808175	1	• Bulb socket	
21	19923	1	• Bulb	12V, 2W
	182059	1	• Bulb	24V, 3W
22	967583	1	• Retainer	
23	829714	1	• Sealing ring	
24	838455	1	• Retainer	
25	872591	1	• Symbol strip	
26		X	• cables and terminals	



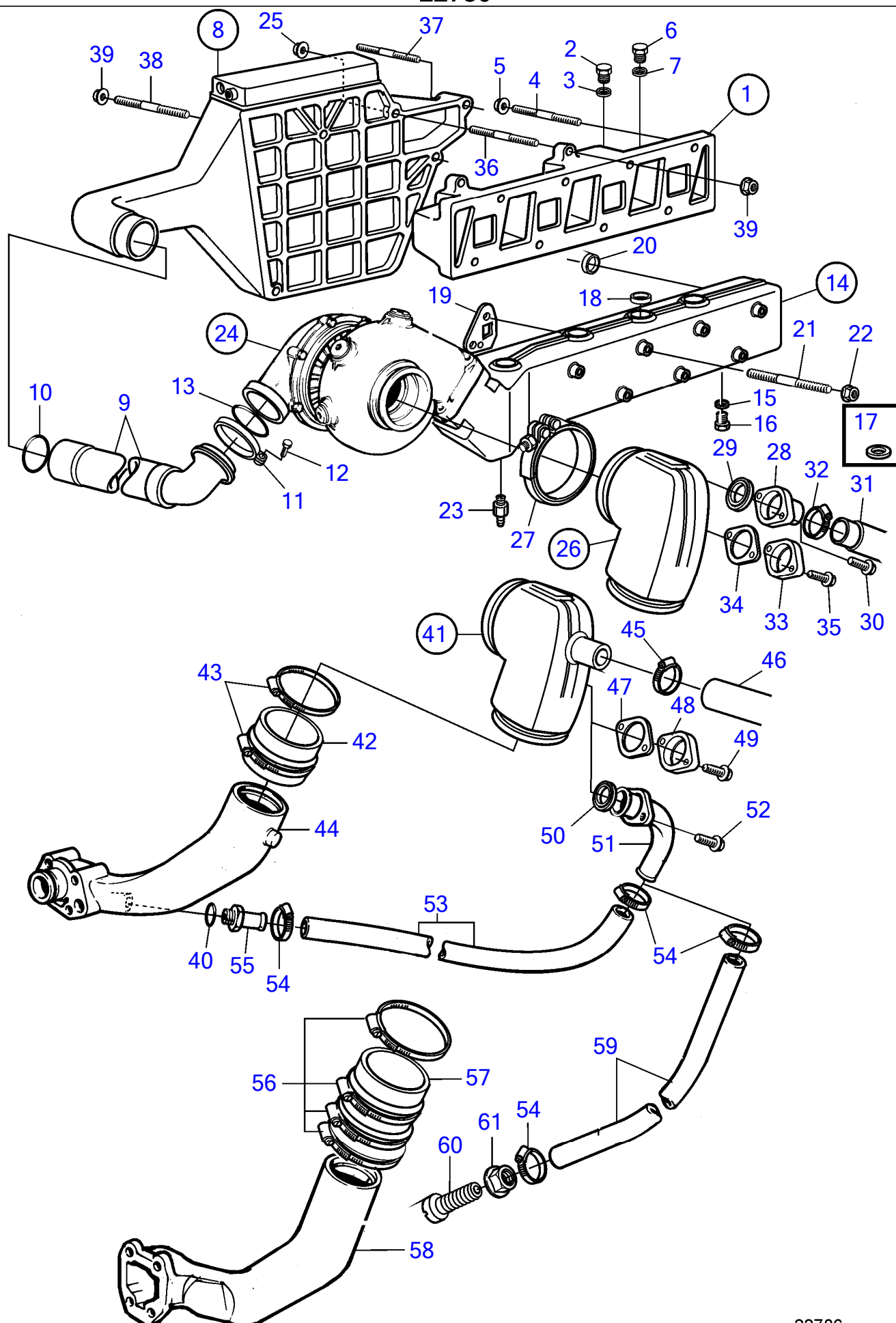
23 Fuel Filter and Water Separator

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

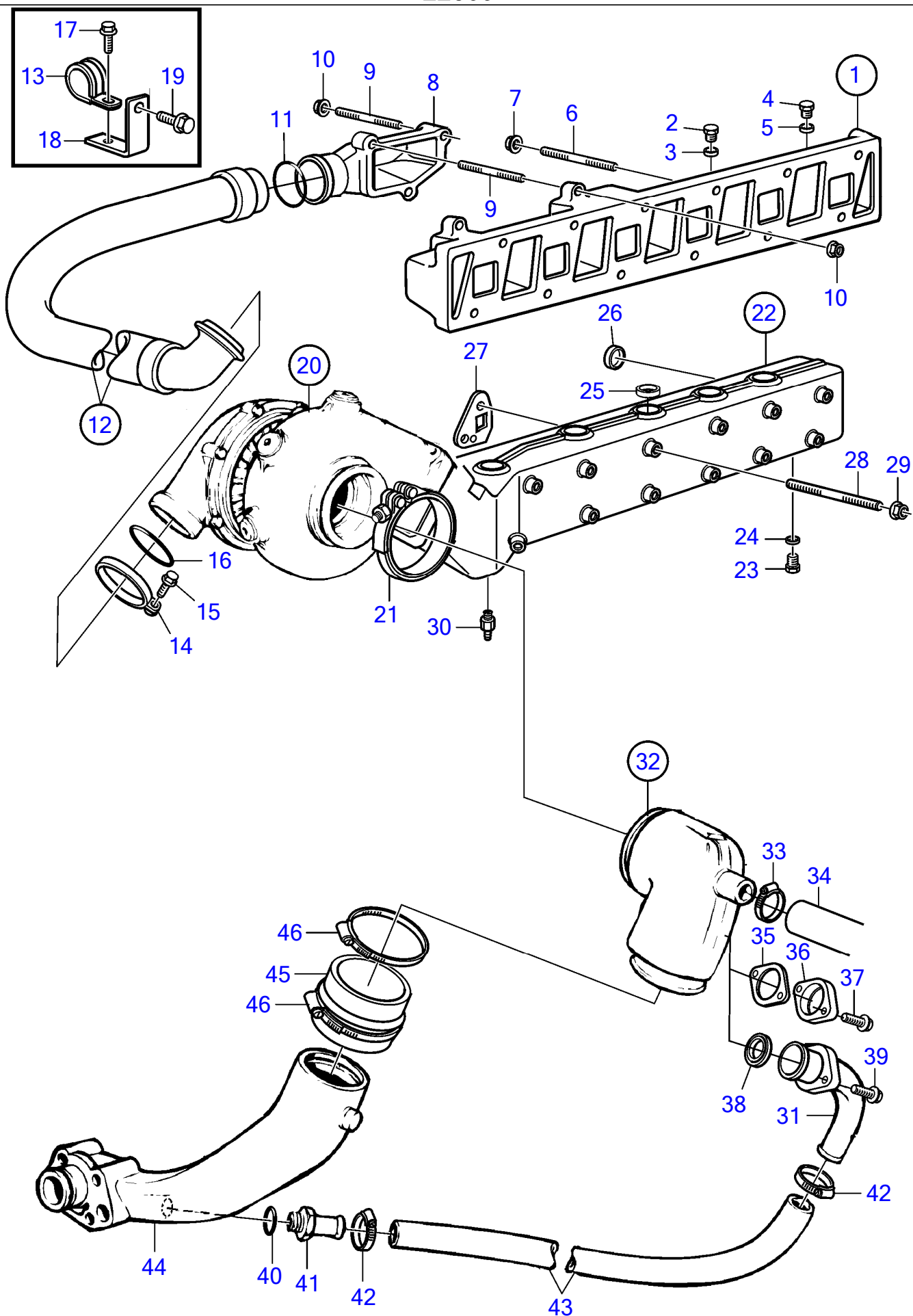
Ref	Part No.	Qty	Description	Notes
1	3582350	1	Fuel filter	Fuel Filters / Water Separators
			• Bulletin 50-11A	
2	861014	1	• Insert	
3	838504	1	• Gasket	
4		1	• Lock	
5	838505	1	• O-ring	
6		1	• Handle	
7	861455	1	• O-ring	
8		1	• • O-ring	
9		1	• • Ball	
10		1	• • Insert	
11	3838861	1	• • Gasket	
12	3838848	1	• Bowl	
13		1	• Plug	
14	861456	1	• Faucet	
15	950024	4	• Cross recessed screw	
16		1	• Bracket	
17		1	• Clamp	
18		1	• Clamp	
19		3	• Screw	
20		3	• Nut	
21		1	• Plug	
22	3825000	X	Hose nipple	(1140609)
23	954337	X	Nipple	
24	954323	X	Fitting nut	
25	1140724	1	Level guard	
26	3588916	1	• Alarm kit	
27	808175	1	• Bulb socket	
28	19923	1	• Bulb	
	182059	1	• Bulb	
29	967583	1	• Retainer	
30	829714	1	• Sealing ring	
31	838455	1	• Retainer	12V, 2W 24V, 3W
32	872591	1	• Symbol strip	
33		X	• cables and terminals	
34	881774	1	Wiring harness	



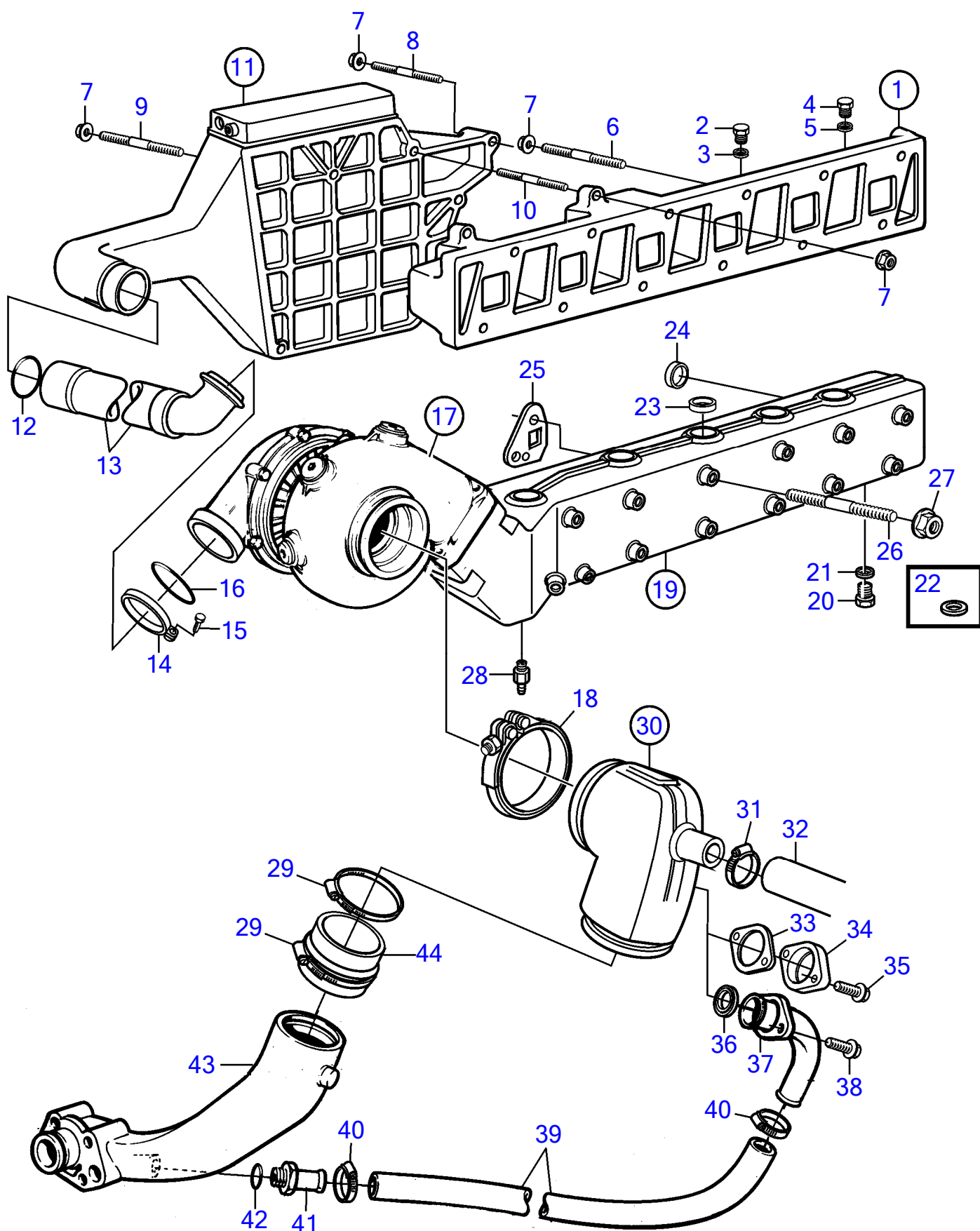
Ref	Part No.	Qty	Description	Notes
1	859299	1	Inlet pipe	
2	960634	4	• Plug	
3	947627	4	• Gasket	
4	980226	6	Stud	
5	945408	6	Flange nut	
6	960632	1	Plug	
7	11998	1	Gasket	
8		1	Intercooler	
9	838693	1	Connection pipe	
10	864723	1	Sealing ring	
11	838864	1	V-clamp	
12	947542	1	Flange screw	
13	967944	1	O-ring	
14	861619	1	Exhaust pipe	Repl by 876953
	876953	1	Exhaust pipe	Replaced by 3581549
	3581549	1	• Exhaust pipe	
15	957181	1	• Gasket	
16	960632	1	• Plug	
17	944563	1	• Spacer washer	
18	946780	7	Cap plug	For 861619
19	876144	2	Gasket kit	
20	838766	1	Sealing ring	
21	953007	1	Stud	For earlier version of expansion tank., L=150mm
	980835	1	Stud	For later version of expansion tank., L=155mm
	953003	1	Stud	L=130mm
	953001	2	Stud	For earlier version of expansion tank., L=120mm
	953001	1	Stud	For later version of expansion tank., L=120mm
	952999	4	Stud	L=110mm
	953005	1	Stud	For later version of expansion tank., L=140mm
22	971095	8	Flange nut	
23	949918	1	Shut-off cock	
24		1	Turbo	
25	945408	1	Flange nut	
26	859963	1	Exhaust riser	
27	842993	1	V-clamp	
28	858659	1	Hose connection	
29	842913	1	Sealing ring	
30	946544	2	Flange screw	
31	944386	X	Rubber hose	Heat exchanger-exhaust riser., L=370mm
32	994560	1	Hose clamp	
33	844093	1	Flange	
34	859002	1	Gasket	
35	946544	2	Flange screw	
36	953049	2	Stud	L=50mm
37	984130	1	Stud	L=110mm (980227)
38	981440	1	Stud	L=185mm
39	945408	4	Flange nut	



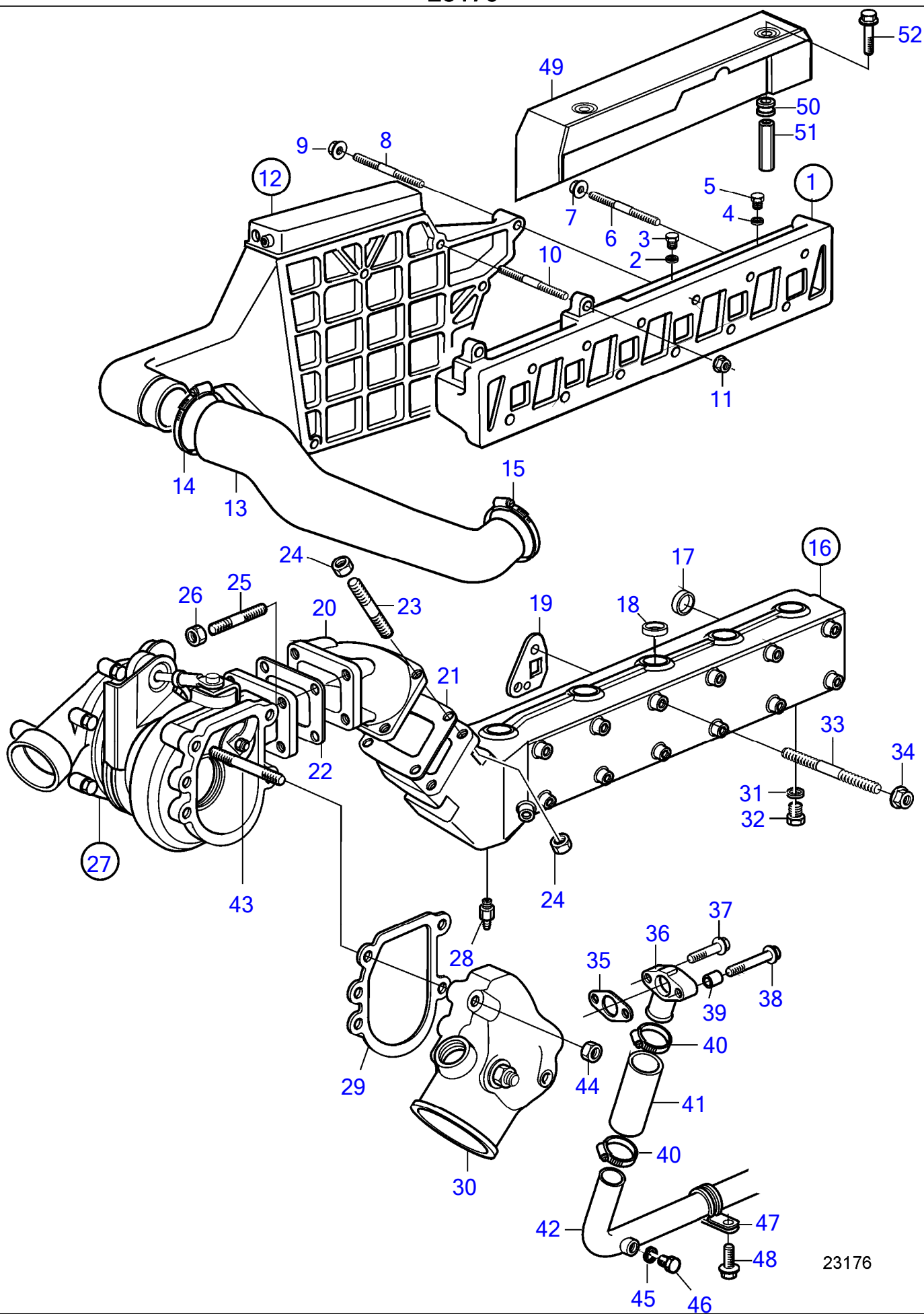
Ref	Part No.	Qty	Description	Notes
1	859299	1	Inlet pipe	
2	960634	4	• Plug	
3	947627	4	• Gasket	
4	980226	6	Stud	
5	945408	6	Flange nut	
6	960632	1	Plug	
7	11998	1	Gasket	
8		1	Intercooler	
9	838693	1	Connection pipe	
10	864723	1	Sealing ring	
11	838864	1	V-clamp	
12	947542	1	Flange screw	
13	967944	1	O-ring	
14	861619	1	Exhaust pipe	Repl by 876953
	876953	1	Exhaust pipe	Replaced by 3581549
	3581549	1	• Exhaust pipe	
15	957181	1	• Gasket	
16	960632	1	• Plug	
17	944563	1	• Spacer washer	
18	946780	7	Cap plug	For 861619
19	876144	2	Gasket kit	
20	838766	1	Sealing ring	
21	953007	1	Stud	For earlier version of expansion tank., L=150mm
	980835	1	Stud	For later version of expansion tank., L=155mm
	953003	1	Stud	L=130mm
	953001	2	Stud	For earlier version of expansion tank., L=120mm
	953001	1	Stud	For later version of expansion tank., L=120mm
	952999	4	Stud	L=110mm
	953005	1	Stud	For later version of expansion tank., L=140mm
22	971095	8	Flange nut	
23	949918	1	Shut-off cock	
24		1	Turbo	
27	842993	1	V-clamp	
36	953049	2	Stud	L=50mm
37	984130	1	Stud	L=110mm (980227)
38	981440	1	Stud	L=185mm
39	945408	4	Flange nut	
40	958228	1	O-ring	
41	860656	1	Riser	D=32mm, repl by 861289
	861289	1	Exhaust riser	D=38mm
42	860396	1	Exhaust hose	
43	853012	4	Hose clamp	
44		1	Exhaust pipe	AD31/DP, see group 44
45	994561	1	Hose clamp	For 860656
	994562	1	Hose clamp	For 861289
46	860828	1	Hose	Heat exchanger-exhaust riser., I.D=32mm, for 860656
	3581065	1	Hose	Heat exchanger-exhaust riser., I.D=38mm, for 861289
47	859002	1	Gasket	
48	844093	1	Flange	
49	946544	2	Flange screw	
50	842913	1	Sealing ring	
51	844258	1	Coolant pipe	
52	946544	2	Flange screw	
53	944386	X	Rubber hose	AD31/DP, L=720mm
54	961669	2	Hose clamp	
55	873221	1	Nipple	
56	853012	4	Hose clamp	
57	860396	1	Exhaust hose	
58		1	Exhaust pipe	AD31/SX, see group 44
59	944386	X	Rubber hose	AD31/SX
60	819455	1	Hull fitting	AD31/SX
61	836879	1	Nut	AD31/SX



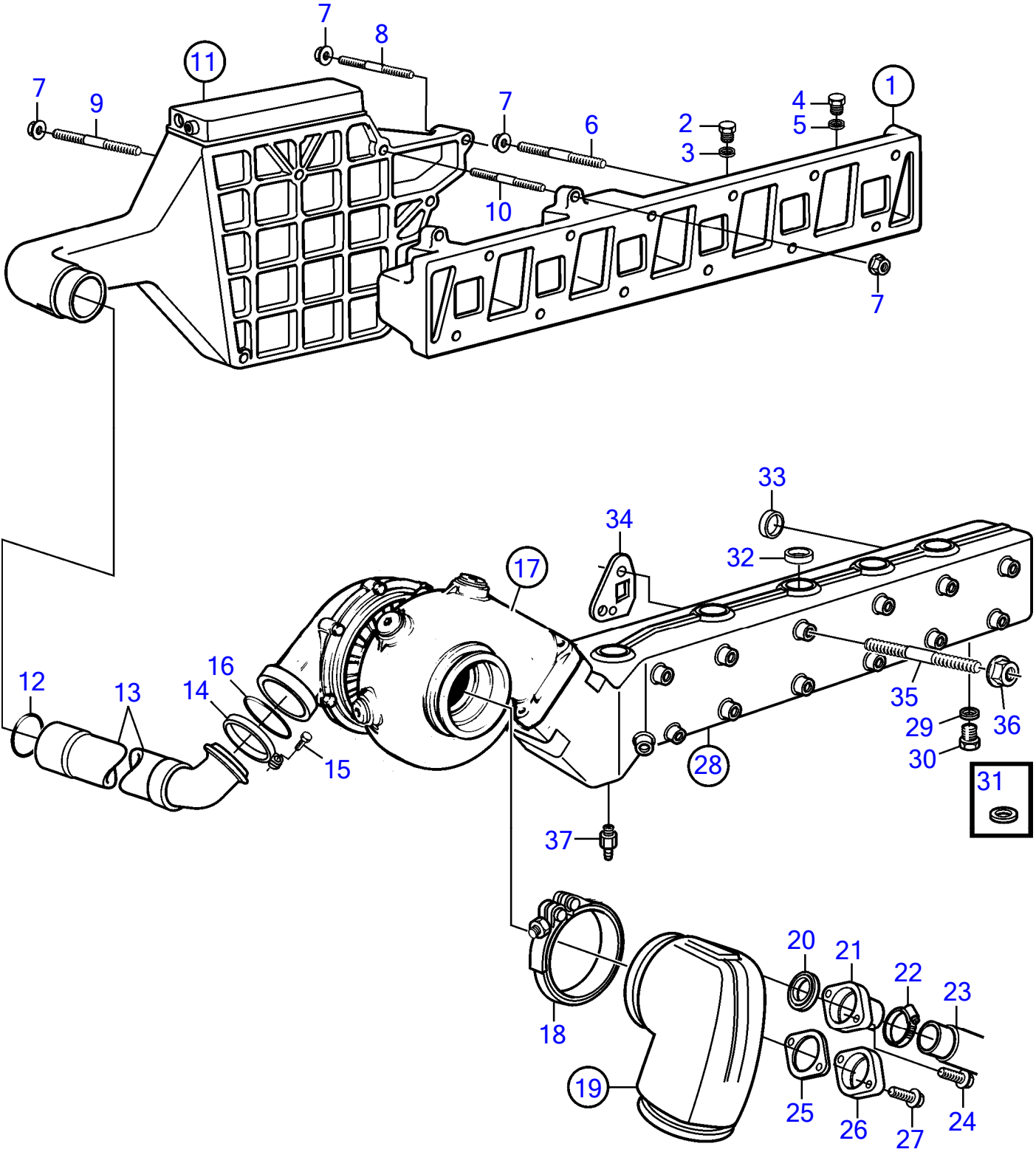
AD41L-A				
Ref	Part No.	Qty	Description	Notes
1	859300	1	Inlet pipe	
2	960634	4	• Plug	
3	947627	4	• Gasket	
4	960632	1	Plug	
5	11998	1	Gasket	
6	980226	9	Stud	L=50mm
	984130	1	Stud	
7	945408	10	Flange nut	L=110mm (980227)
8	838857	1	Pipe connection	
9	953049	1	Stud	L=50mm
	984130	2	Stud	L=110mm (980227)
10	945408	3	Flange nut	
11	864723	1	Sealing ring	
12	838867	1	Connection pipe	
13	32447	1	• Clamp	
14	838864	1	V-clamp	
15	947542	1	Flange screw	
16	967944	1	O-ring	
17	946671	1	Flange screw	
18	838866	1	Bracket	
19	946470	1	Flange screw	
20		1	Turbo	
21	842993	1	V-clamp	
22	876823	1	Exhaust pipe	Repl by 877067
	877067	1	Exhaust pipe	Replaced by 3581406
	3581406	1	• Exhaust pipe	
23	960631	1	• Plug	
	960632	1	• Plug	
24	11996	1	• Gasket	
	11998	1	• Gasket	
25	946780	11	• • Cap plug	
26	838766	1	Sealing ring	
27	876144	3	Gasket kit	
28	953001	8	Stud	L=120mm
	953002	2	Stud	For earlier version of expansion tank., L=125mm
	953002	1	Stud	For later version of expansion tank., L=125mm
	953003	1	Stud	L=130mm
	953005	1	Stud	For later version of expansion tank., L=140mm
	953007	1	Stud	For earlier version of expansion tank., L=150mm
	980835	1	Stud	For later version of expansion tank., L=155mm
29	971095	12	Flange nut	
30	949918	1	Shut-off cock	
31	844258	1	Coolant pipe	
32	860656	1	Riser	D=32mm, repl by 861289
	861289	1	Exhaust riser	D=38mm
33	994561	1	Hose clamp	For 860656
	994562	1	Hose clamp	For 861289
34	860828	1	Hose	Heat exchanger-exhaust riser., I.D=32mm, for 860656
	3581065	1	Hose	Heat exchanger-exhaust riser., I.D=38mm, for 861289
35	859002	1	Gasket	
36	844093	1	Flange	
37	946544	2	Flange screw	
38	842913	1	Sealing ring	
39	946544	2	Flange screw	
40	958228	1	O-ring	
41	873221	1	Nipple	
42	853548	2	Hose clamp	
43	944386	X	Rubber hose	L=720mm
44		1	Exhaust pipe	See group 44
45	860396	1	Exhaust hose	
46	982694	4	Hose clamp	(981239)



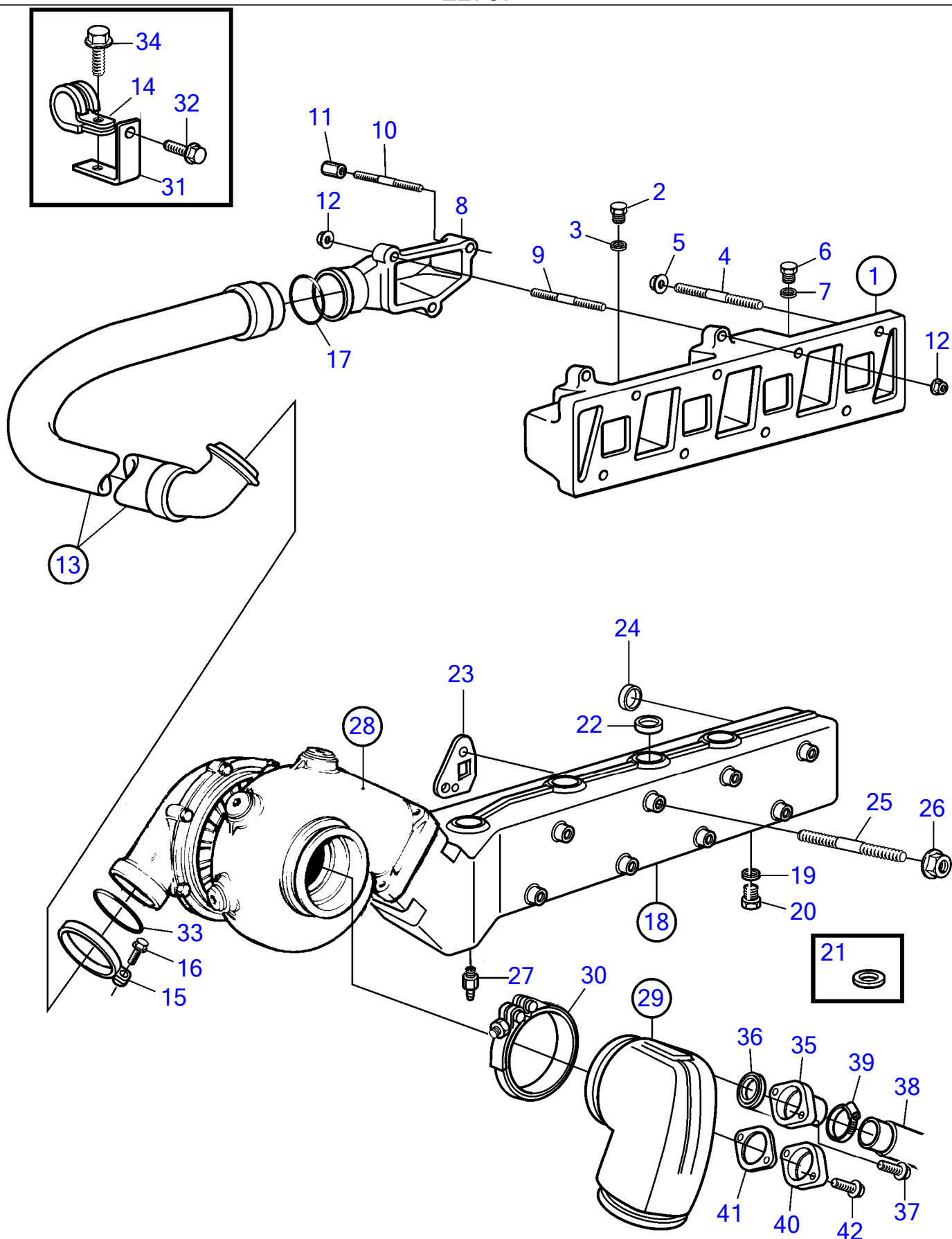
Ref	Part No.	Qty	Description	Notes
1	859300	1	Inlet pipe	
2	960634	4	• Plug	
3	947627	4	• Gasket	
4	960632	1	Plug	
5	11998	1	Gasket	
6	980226	9	Stud	L=50mm
	984130	1	Stud	L=110mm (980227)
7	945408	10	Flange nut	
8	984130	1	Stud	L=110mm (980227)
9	981440	1	Stud	
10	953049	2	Stud	L=50mm
11		1	Intercooler	
12	864723	1	Sealing ring	
13	838693	1	Connection pipe	
14	838864	1	V-clamp	
15	947542	1	Flange screw	
16	967944	1	O-ring	
17		1	Turbo	
18	842993	1	V-clamp	
19	876823	1	Exhaust pipe	Repl by 877067
	877067	1	Exhaust pipe	Replaced by 3581406
	3581406	1	• Exhaust pipe	
20	960632	1	• Plug	
	960631	1	• Plug	
21	11996	1	• Gasket	
22	11998	1	• Gasket	
23	946780	11	• • Cap plug	
24	838766	1	Sealing ring	
25	876144	3	Gasket kit	
26	953001	8	Stud	L=120mm
	953002	2	Stud	For earlier version of expansion tank., L=125mm
	953002	1	Stud	For later version of expansion tank., L=125mm
	953003	1	Stud	L=130mm
	953005	1	Stud	For later version of expansion tank., L=140mm
	953007	1	Stud	For earlier version of expansion tank., L=150mm
	980835	1	Stud	For later version of expansion tank., L=155mm
27	971095	12	Flange nut	
28	949918	1	Shut-off cock	
29	982694	4	Hose clamp	
30	860656	1	Riser	D=32mm, repl by 861289
	861289	1	Exhaust riser	D=38mm
31	994561	1	Hose clamp	For 860656
	994562	1	Hose clamp	For 861289
32	860828	1	Hose	Heat exchanger-exhaust riser., I.D=32mm, for 860656
	3581065	1	Hose	Heat exchanger-exhaust riser., I.D=38mm, for 861289
33	859002	1	Gasket	
34	844093	1	Flange	
35	946544	2	Flange screw	
36	842913	1	Sealing ring	
37	844258	1	Coolant pipe	
38	946544	2	Flange screw	
39	944386	X	Rubber hose	L=720mm
40	853548	2	Hose clamp	
41	873221	1	Nipple	
42	958228	1	O-ring	
43		1	Exhaust pipe	See group 44
44	860396	1	Exhaust hose	



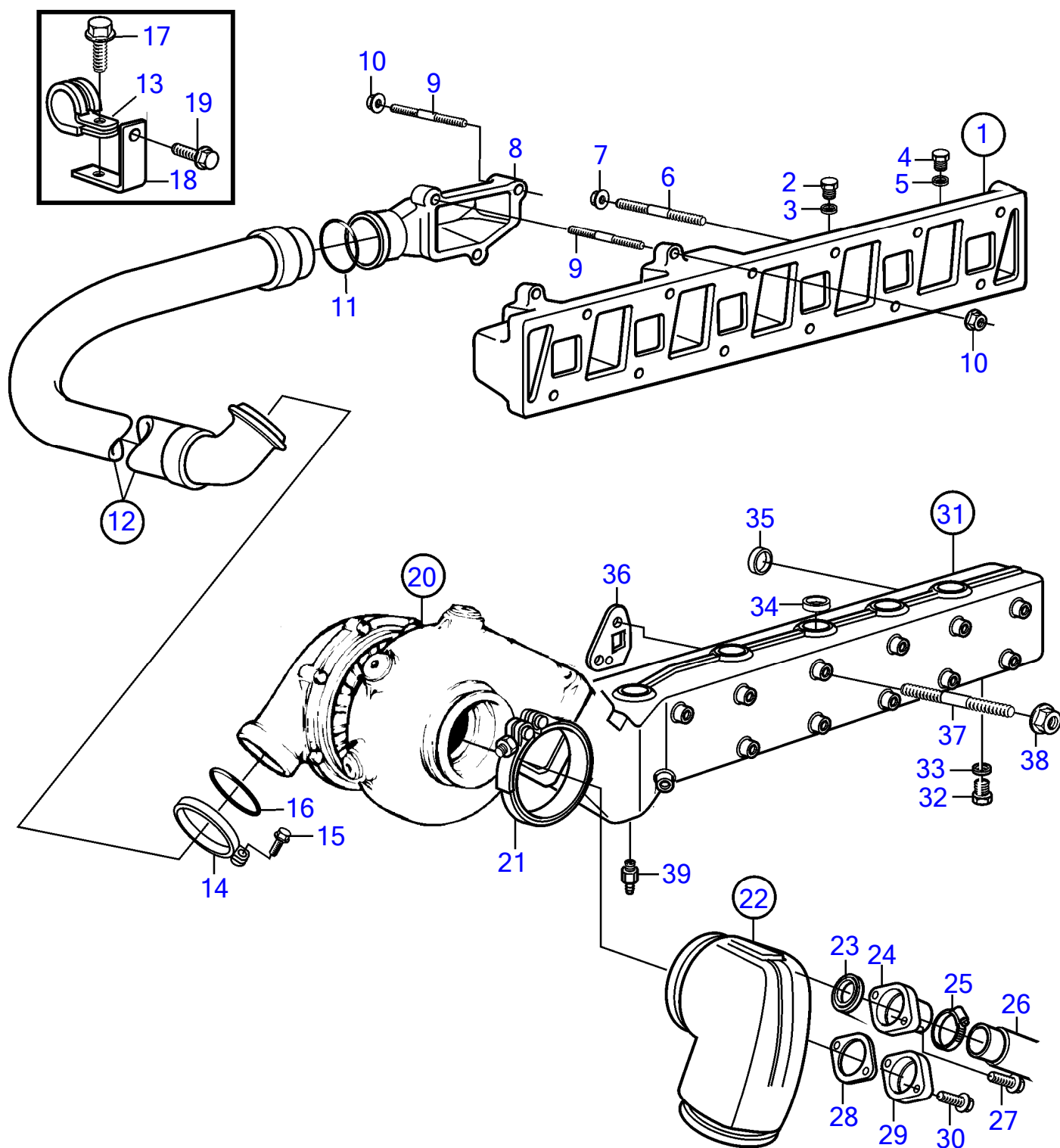
Ref	Part No.	Qty	Description	Notes
1	859299	1	Inlet pipe	
2	947627	4	• Gasket	
3	960634	4	• Plug	
4	11998	1	Gasket	
5	960632	1	Plug	
6	980226	6	Stud	
7	945408	6	Flange nut	
8	984130	1	Stud	L=110mm (980227)
9	945408	1	Flange nut	
10	953049	2	Stud	L=50mm
11	945408	1	Flange nut	
12		1	Intercooler	
13	3583046	1	Hose	
14	1544731	1	Hose clamp	
15	943479	1	Hose clamp	
16	3581549	1	Exhaust pipe	
17	838766	1	Sealing ring	
18	946780	7	Cap plug	
19	876144	2	Gasket kit	
20	3583044	1	Adapter	
21	3582676	1	Gasket kit	
22	859834	1	Gasket	
23	953069	4	Stud	
24	940183	4	Hexagon nut	
25	953045	4	Stud	
26	945408	4	Flange nut	
27		1	Turbo	
28	949918	1	Shut-off cock	
29	861414	1	Gasket	
30	3582512	1	Exhaust riser	
31	957181	1	Gasket	
32	960632	1	Plug	
33	953007	1	Stud	L=150mm
	980835	1	Stud	L=155mm
	953003	1	Stud	L=130mm
	953001	1	Stud	L=120mm
	952999	4	Stud	L=110mm
	953005	1	Stud	L=140mm
34	971095	8	Flange nut	
35	859835	1	Gasket	
36	859836	1	Connector	
37	948217	1	Flange screw	
38	965216	1	Flange screw	
39		1	Spacer sleeve	
40	961669	2	Hose clamp	
41	3581729	1	Hose	
42	861427	1	Tube	
43	861760	2	Stud	
	861761	2	Stud	
44	948645	4	Flange lock nut	
45	483963	1	Washer	
46	859842	1	Plug	
47	859841	2	Clamp	
48	946173	2	Flange screw	
49	3583042	1	Protecting casing	
50	843109	2	Bushing	
51	3583507	2	Nut	
52	967949	4	Flange screw	



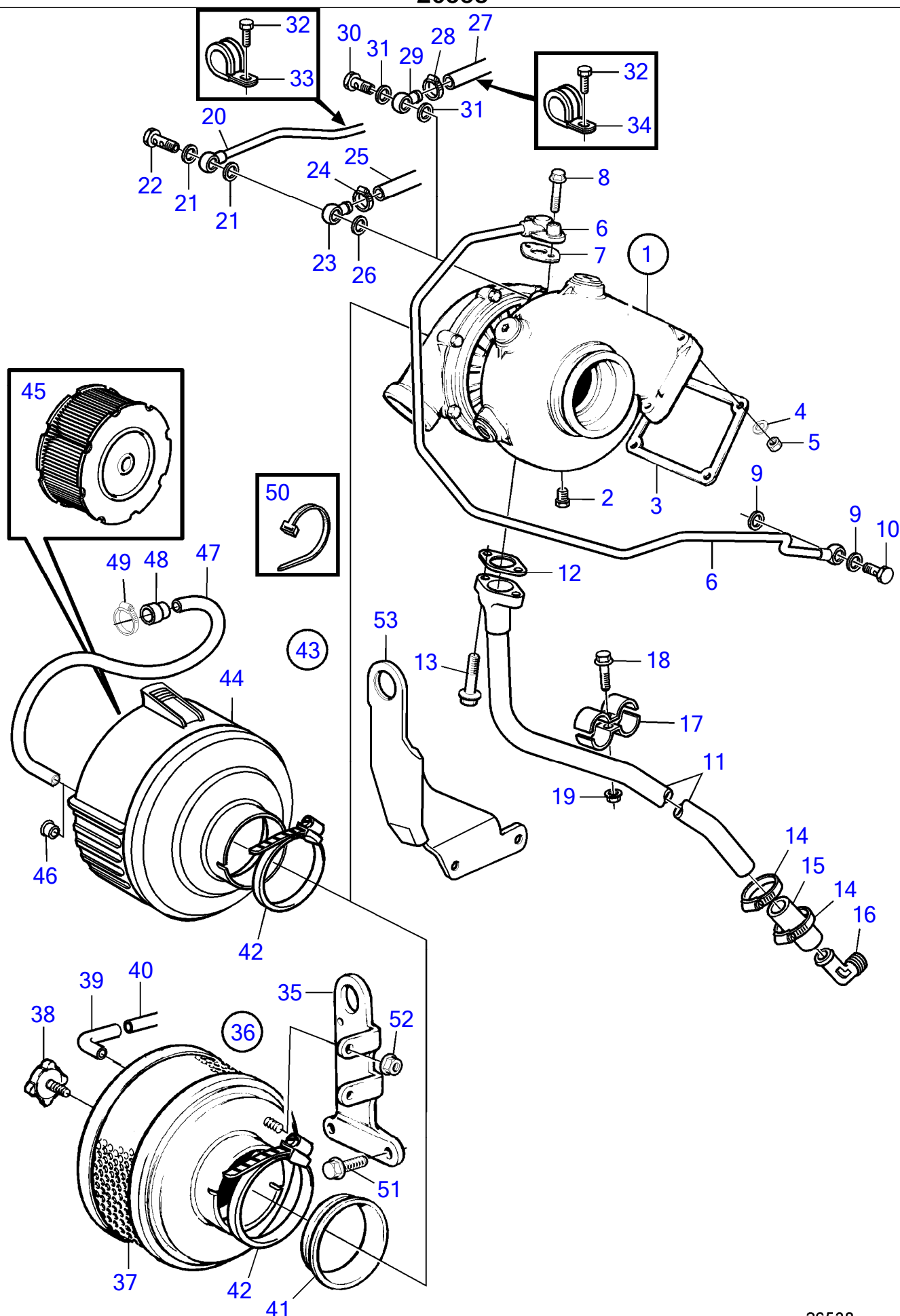
Ref	Part No.	Qty	Description	Notes
1	859300	1	Inlet pipe	
2	960634	4	• Plug	
3	947627	4	• Gasket	
4	960632	1	Plug	
5	11998	1	Gasket	
6	980226	9	Stud	L=50mm
	984130	1	Stud	L=110mm (980227)
7	945408	10	Flange nut	
8	984130	1	Stud	L=110mm (980227)
9	981440	1	Stud	
10	953049	2	Stud	L=50mm
11		1	Intercooler	
12	864723	1	Sealing ring	
13	838693	1	Connection pipe	
14	838864	1	V-clamp	
15	947542	1	Flange screw	
16	967944	1	O-ring	
17		1	Turbo	
18	842993	1	V-clamp	
19	859963	1	Exhaust riser	
20	842913	1	Sealing ring	
21	858659	1	Hose connection	
22	994560	1	Hose clamp	
23	944386	X	Rubber hose	Heat exchanger-exhaust riser., L=370mm
24	946544	2	Flange screw	
25	859002	1	Gasket	
26	844093	1	Flange	
27	946544	2	Flange screw	
28	876823	1	Exhaust pipe	Repl by 877067
	3581406	1	Exhaust pipe	
29	960632	1	• Plug	
	960631	1	• Plug	
30	11996	1	• Gasket	
31	11998	1	• Gasket	
32	946780	11	• • Cap plug	
33	838766	1	Sealing ring	
34	876144	3	Gasket kit	
35	953001	8	Stud	L=120mm
	953002	2	Stud	For earlier version of expansion tank., L=125mm
	953002	1	Stud	For later version of expansion tank., L=125mm
	953003	1	Stud	L=130mm
	953005	1	Stud	For later version of expansion tank., L=140mm
	953007	1	Stud	For earlier version of expansion tank., L=150mm
	980835	1	Stud	For later version of expansion tank., L=155mm
36	971095	12	Flange nut	
37	949918	1	Shut-off cock	



Ref	Part No.	Qty	Description	Notes
1	859299	1	Inlet pipe	
2	960634	4	• Plug	
3	947627	4	• Gasket	
4	980226	6	Stud	
5	945408	6	Flange nut	
6	960632	1	Plug	
7	11998	1	Gasket	
8	838857	1	Pipe connection	
9	984130	2	Stud	L=110mm (980227)
10	953049	1	Stud	L=50mm
11	855314	1	Spacer nut	
12	945408	3	Flange nut	
13	838867	1	Connection pipe	
14	32447	1	• Clamp	
15	838864	1	V-clamp	
16	947542	1	Flange screw	
17	864723	1	Sealing ring	
18	861619	1	Exhaust pipe	Repl by 876953
	876953	1	Exhaust pipe	Replaced by 3581549
	3581549	1	• Exhaust pipe	
19	957181	1	• Gasket	
20	960632	1	• Plug	
21	944563	1	• Spacer washer	
22	946780	7	Cap plug	For 861619
23	876144	2	Gasket kit	
24	838766	1	Sealing ring	
25	953007	1	Stud	For earlier version of expansion tank., L=150mm
	980835	1	Stud	For later version of expansion tank., L=155mm
	953003	1	Stud	L=130mm
	953001	1	Stud	L=120mm
	953001	1	Stud	For earlier version of expansion tank., L=120mm
	952999	4	Stud	For earlier version of expansion tank., L=110mm
	952999	3	Stud	For later version of expansion tank., L=110mm
	953005	1	Stud	For later version of expansion tank., L=140mm
26	971095	8	Flange nut	
27	949918	1	Shut-off cock	
28		1	Turbo	
29	859963	1	Exhaust riser	
30	842993	1	V-clamp	
31	838866	1	Bracket	
32	946470	1	Flange screw	
33	967944	1	O-ring	
34	946173	1	Flange screw	
35	858659	1	Hose connection	
36	842913	1	Sealing ring	
37	946544	2	Flange screw	
38	944386	1	Rubber hose	Heat exchanger-exhaust riser., L=370mm
39	994560	1	Hose clamp	
40	844093	1	Flange	
41	859002	1	Gasket	
42	946544	2	Flange screw	



TMD41L-A				Notes
Ref	Part No.	Qty	Description	
1	859300	1	Inlet pipe	
2	960634	4	• Plug	
3	947627	4	• Gasket	
4	960632	1	Plug	
5	11998	1	Gasket	
6	980226	9	Stud	L=50mm
	984130	1	Stud	L=110mm (980227)
7	945408	10	Flange nut	
8	838857	1	Pipe connection	
9	953049	1	Stud	L=50mm
	984130	2	Stud	L=110mm (980227)
10	945408	3	Flange nut	
11	864723	1	Sealing ring	
12	838867	1	Connection pipe	
13	32447	1	• Clamp	
14	838864	1	V-clamp	
15	947542	1	Flange screw	
16	967944	1	O-ring	
17	946671	1	Flange screw	
18	838866	1	Bracket	
19	946470	1	Flange screw	
20		1	Turbo	
21	842993	1	V-clamp	
22	859963	1	Exhaust riser	
23	842913	1	Sealing ring	
24	858659	1	Hose connection	
25	994560	1	Hose clamp	
26	944386	1	Rubber hose	Heat exchanger-exhaust riser., L=370mm
27	946544	2	Flange screw	
28	859002	1	Gasket	
29	844093	1	Flange	
30	946544	2	Flange screw	
31	876823	1	Exhaust pipe	Repl by 877067
	877067	1	Exhaust pipe	Replaced by 3581406
	3581406	1	• Exhaust pipe	
32	960631	1	• Plug	
	960632	1	• Plug	
33	11996	1	• Gasket	
	11998	1	• Gasket	
34	946780	11	• • Cap plug	
35	838766	1	Sealing ring	
36	876144	3	Gasket kit	
37	953001	8	Stud	L=120mm
	953002	2	Stud	For earlier version of expansion tank., L=125mm
	953002	1	Stud	For later version of expansion tank., L=125mm
	953003	1	Stud	L=130mm
	953005	1	Stud	For later version of expansion tank., L=140mm
	953007	1	Stud	For earlier version of expansion tank., L=150mm
	980835	1	Stud	For later version of expansion tank., L=155mm
38	971095	12	Flange nut	
39	949918	1	Shut-off cock	

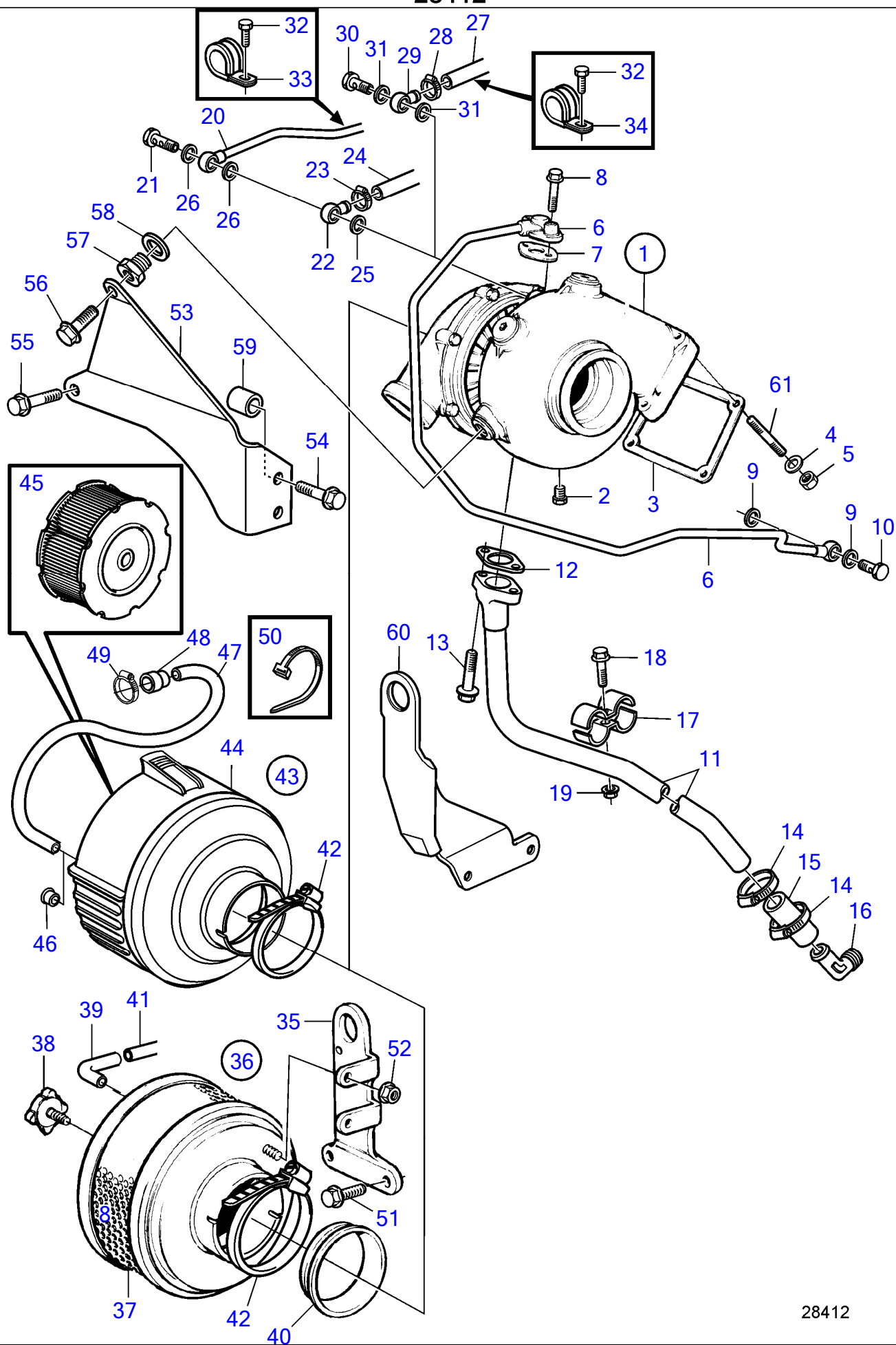


25 Turbocharger and Air Filter

AD31L-A, TAMD31L-A, TAMD31M-A

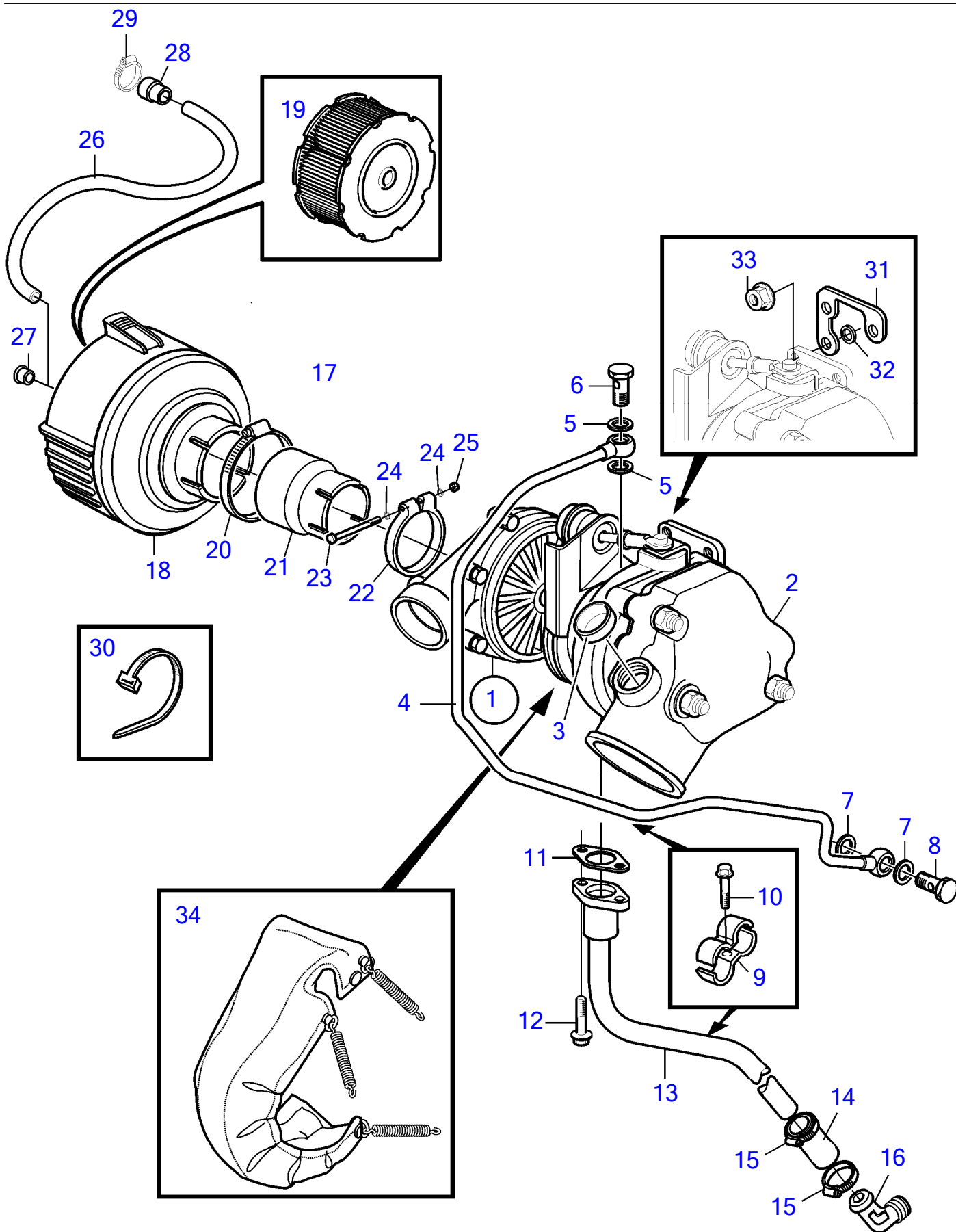
Ref	Part No.	Qty	Description	Notes
1			.	
	3802082	1	Turbocharger	(3581528)
			.	
			.	
2	861551	1	Plug	
3	3582676	1	Gasket kit	
4	955895	4	Washer	
5	940183	4	Hexagon nut	
6	838868	1	Oil pressure pipe	
7	420641	1	Plane gasket	
8	945444	1	Flange screw	L=25mm
	946671	1	Flange screw	L=30mm
9	969011	2	Gasket	
10	25167	1	Hollow screw	
11	838870	1	Oil return pipe	
12	860105	1	Gasket	
13	945444	2	Flange screw	
14	994559	2	Hose clamp	
15	466328	1	Hose	
16	983105	1	Hose nipple	
17	820851	2	Clamp	
18	946544	1	Flange screw	
19	945407	1	Flange nut	
20	860214	1	Air vent hose	Turbo-thermostat housing., For earlier version of expansion tank.
21	947975	1	Hollow screw	
22	858750	1	Banjo nipple	
23	945652	1	Hose clamp	
24	942700	X	Hose	Expansion tank-Turbo., For earlier version of expansion tank.
25	11994	1	Gasket	
26	11994	2	Gasket	
27	942700	1	Hose	Expansion tank-Turbo., For later version of expansion tank., L=580mm
28	945652	1	Hose clamp	
29	858750	1	Banjo nipple	
30	969299	1	Hollow screw	
31	11994	2	Gasket	
32	967949	2	Flange screw	
33	952624	1	Clamp	
34	952627	1	Clamp	
35	838829	1	Lift iron	Early type
36	861434	1	Air cleaner	SN-2204216357, Repl by 3582367
			• Bulletin 44-47	New Air Filter for 31, 41 and TAMD42WJ Engines
37	858488	1	• Air filter insert	
38	(859729)	1	• Knob	Obsolete part
39	861391	1	• Protecting sleeve	
40	946234	X	Tube	
41	838855	1	Sealing ring	L=670mm
42	943481	1	Hose clamp	
43	3582367	1	Air filter kit	SN-2203129177, Replaced by 22004848
			• Bulletin 44-47	New Air Filter for 31, 41 and TAMD42WJ Engines
43	22004848	1	Air filter kit	SN2203129178-
44	21782391	1	• Air filter	SN2203129178-
45	21646645	1	• • Air filter insert	
46	940285	1	• Plug	
47		X	• Tube	L=670mm
48	861114	1	• Protecting sleeve	
49	943472	1	• Hose clamp	
50	948211	1	• Cable tie	
51	946329	2	Flange screw	Early type
52	945407	2	Flange nut	Early type
53	860419	1	Lifting bracket	Late type

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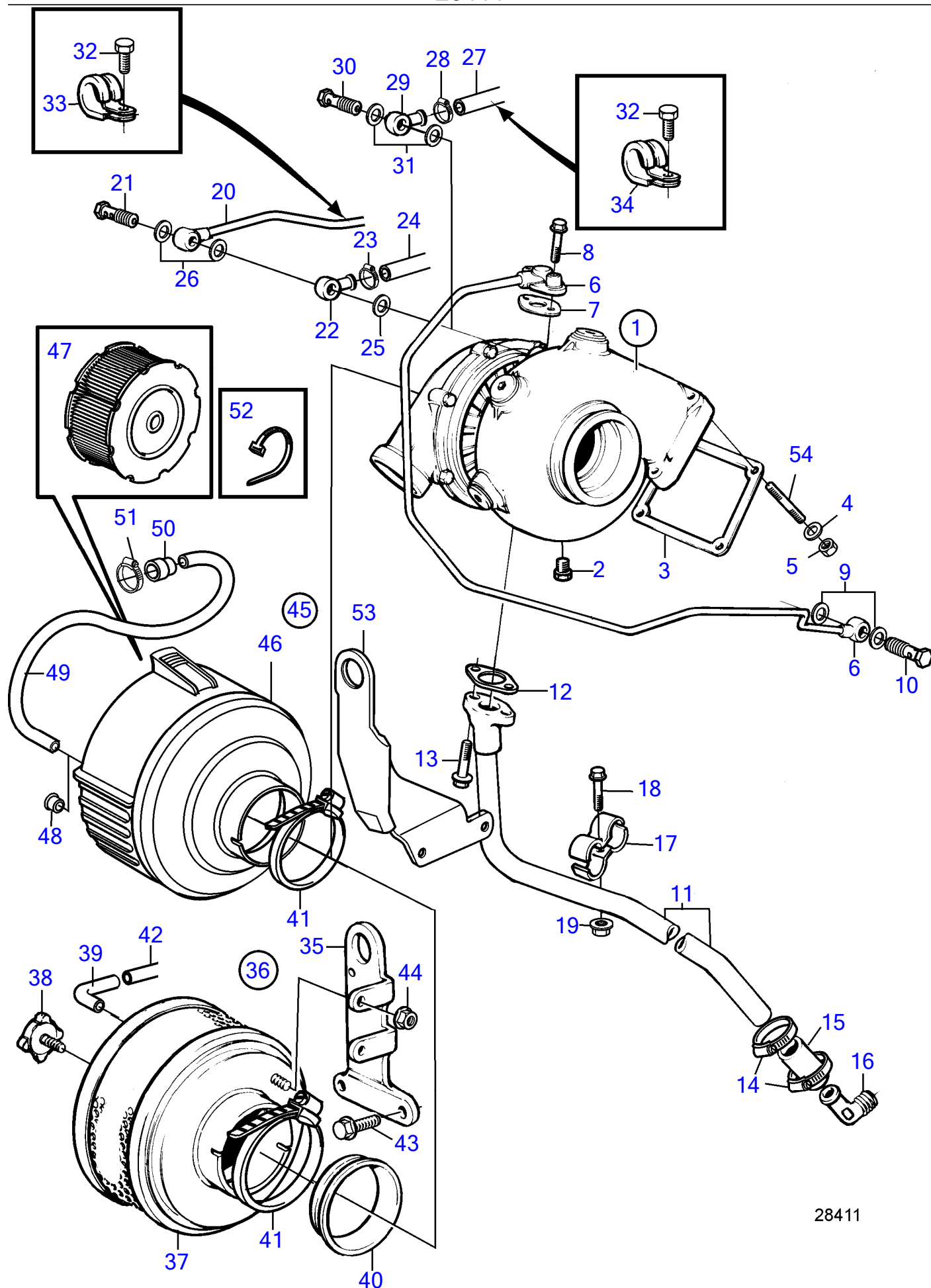
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Ref	Part No.	Qty	Description	Notes
1				
	3802082	1	Turbocharger	(3581528)
2	861551	1	Plug	
3	3582676	1	Gasket kit	
4	955895	4	Washer	
5	940183	4	Hexagon nut	
6	838868	1	Oil pressure pipe	
7	420641	1	Plane gasket	
8	945444	1	Flange screw	L=25mm
	946671	1	Flange screw	L=30mm
9	969011	2	Gasket	
10	25167	1	Hollow screw	
11	838870	1	Oil return pipe	
12	860105	1	Gasket	
13	945444	2	Flange screw	
14	994559	2	Hose clamp	
15	466328	1	Hose	
16	983105	1	Hose nipple	
17	820851	2	Clamp	
18	946544	1	Flange screw	
19	945407	1	Flange nut	
20	860214	1	Air vent hose	Turbo-thermostat housing., For earlier version of expansion tank.
21	947975	1	Hollow screw	
22	858750	1	Banjo nipple	
23	945652	1	Hose clamp	
24	942700	X	Hose	Expansion tank-Turbo., For earlier version of expansion tank.
25	11994	1	Gasket	
26	11994	2	Gasket	
27	942700	1	Hose	Expansion tank-Turbo., For later version of expansion tank., L=580mm
28	945652	1	Hose clamp	
29	858750	1	Banjo nipple	
30	969299	1	Hollow screw	
31	11994	2	Gasket	
32	967949	2	Flange screw	
33	952624	1	Clamp	
34	952627	1	Clamp	
35	838829	1	Lift iron	Early type
36	861434	1	Air cleaner	SN-2204216357, Repl by 3582367
			• Bulletin 44-47	New Air Filter for 31, 41 and TAMD42WJ Engines
37	858488	1	• Air filter insert	
38	(859729)	1	• Knob	Obsolete part
39	861391	1	• Protecting sleeve	
40	838855	1	Sealing ring	
41	946234	X	Tube	L=670mm
42	943481	1	Hose clamp	
43	3582367	1	Air filter kit	SN-2203129177, Replaced by 22004848
			• Bulletin 44-47	New Air Filter for 31, 41 and TAMD42WJ Engines
43	22004848	1	Air filter kit	SN2203129178-
44	21782391	1	• Air filter	SN2203129178-
45	21646645	1	• • Air filter insert	
46	940285	1	• Plug	
47		X	• Tube	L=670mm
48	861114	1	• Protecting sleeve	
49	943472	1	• Hose clamp	
50	948211	1	• Cable tie	
51	946329	1	Flange screw	Early type
	946472	1	Flange screw	Early type
52	945407	2	Flange nut	Early type
53	861643	1	Bracket	
54	965192	2	Flange screw	
55	965182	1	Flange screw	
56	946471	1	Flange screw	
57	861646	1	Plug	
58	947627	1	Gasket	
59	861554	2	Spacer	
60	860419	1	Lifting bracket	Late type
61	479972	4	Stud	



25 Turbocharger and Air Filter
TAMD31S-A

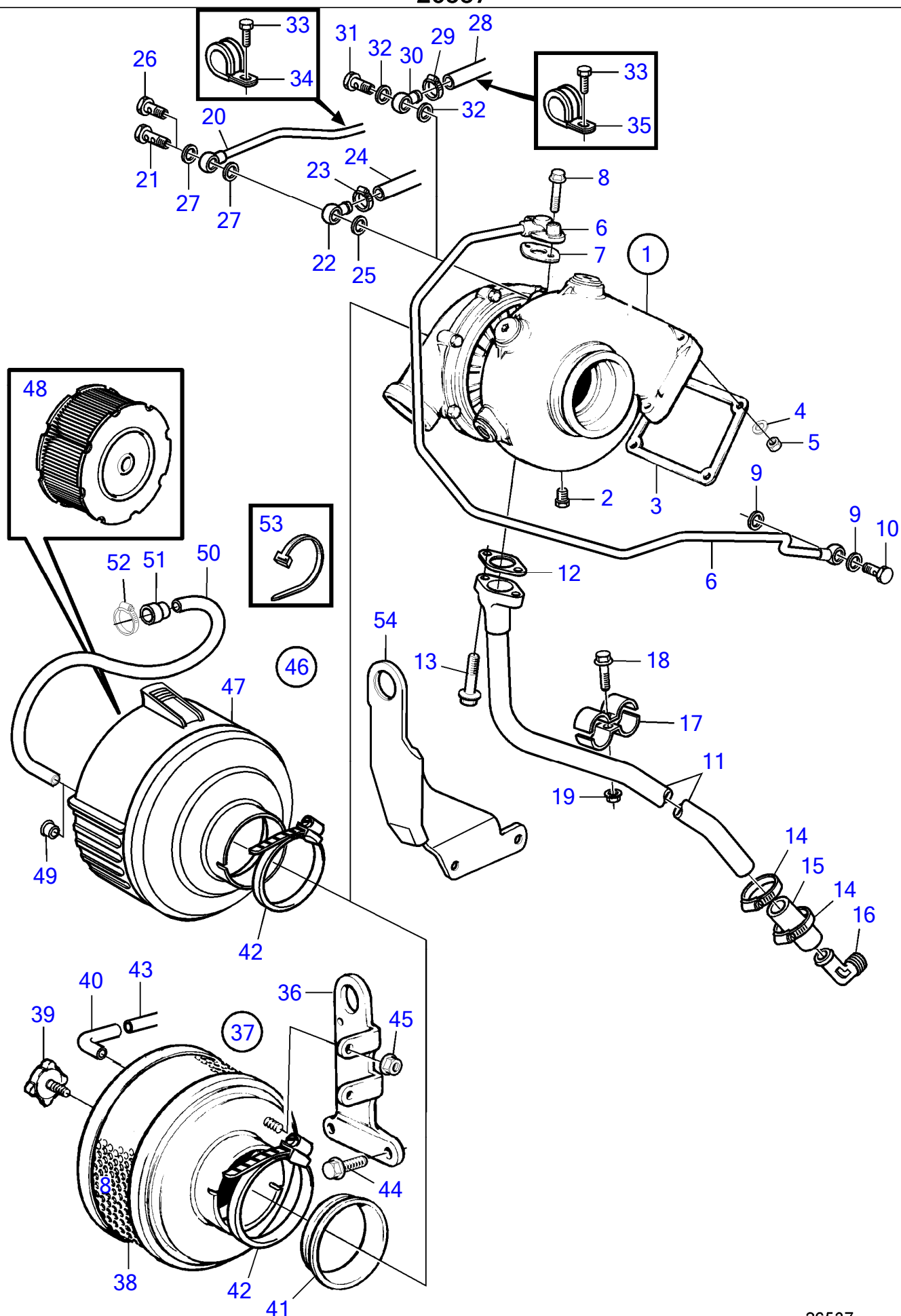
Ref	Part No.	Qty	Description	Notes
1	(3583004)	1	Turbocharger	Obsolete part
			• parts not sold separately	
2	3582512	1	Exhaust riser	
3	11997805	1	Plug	
4	3583050	1	Oil pressure pipe	
5	11994	2	Gasket	
6	3583869	1	Hollow screw	
7	969011	2	Gasket	
8	25167	1	Hollow screw	
9	820851	2	Clamp	
10	946544	1	Flange screw	
11	860105	1	Gasket	
12	945444	2	Flange screw	
13	3583051	1	Tube	
14	466328	1	Hose	
15	994559	2	Hose clamp	
16	983105	1	Hose nipple	(843879)
17	3582367	1	Air filter kit	SN-2203129177, Replaced by 22004848
			• Bulletin 44-47	New Air Filter for 31, 41 and TAMD42WJ Engines
17	22004848	1	Air filter kit	SN2203129178-
18	21782391	1	• Air filter	SN2203129178-
19	21646645	1	• • Air filter insert	
20	943481	1	Hose clamp	
21	3583049	1	Adapter	
22	975261	1	Clamp	
23		1	• Screw	
24		2	• Washer	
25		1	• Nut	
26		1	Tube	
27	940285	1	Plug	
28	861114	1	Protecting sleeve	
29	943472	1	Hose clamp	
30	948211	1	Cable tie	
31	861402	1	Bracket	
32	955894	3	Washer	
33	948645	3	Flange lock nut	
34	861401	1	Protecting casing	



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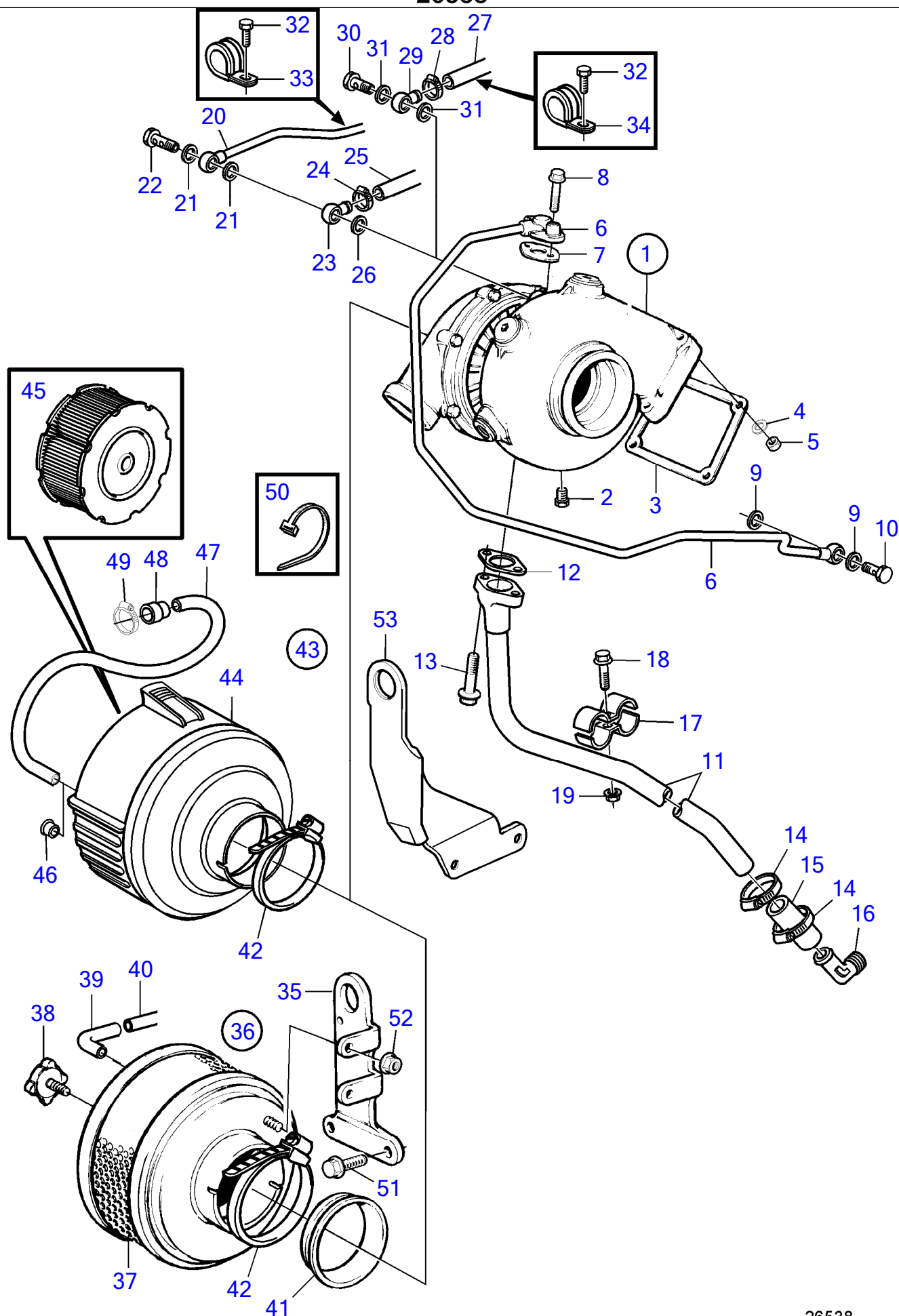
25 Turbocharger and Air Filter
AD41L-A, AD41P-A, D41L-A

Ref	Part No.	Qty	Description	Notes
1	3802070	1	Turbocharger	(861260)
1			• Bulletin 44-46	Upgrade Turbo for D41A amd D41B Engines
2	861551	1	Plug	
3	3582676	1	Gasket kit	
4	955895	4	Washer	
5	940183	4	Hexagon nut	
6	838869	1	Oil pressure pipe	
7	420641	1	Plane gasket	
8	945444	1	Flange screw	L=25mm
	946671	1	Flange screw	L=30mm
9	969011	2	Gasket	
10	25167	1	Hollow screw	
11	838820	1	Oil return pipe	
12	860105	1	Gasket	
13	945444	2	Flange screw	
14	994559	2	Hose clamp	
15	466328	1	Hose	
16	983105	1	Hose nipple	
17	820851	2	Clamp	
18	946544	1	Flange screw	L=16mm
19	945407	1	Flange nut	
20	860215	1	Air vent hose	Turbo-thermostat housing., For earlier version of expansion tank.
21	947975	1	Hollow screw	M12
22	858750	1	Banjo nipple	
23	945652	1	Hose clamp	
24	942700	X	Hose	Expansion tank-Turbo., For earlier version of expansion tank.
25	11994	1	Gasket	
26	11994	2	Gasket	
27	942700	X	Hose	Expansion tank-Turbo., For later version of expansion tank., L=580mm
28	945652	1	Hose clamp	
29	858750	1	Banjo nipple	
30	969299	1	Hollow screw	
31	11994	2	Gasket	
32	967949	3	Flange screw	
33	952624	2	Clamp	
34	952627	1	Clamp	
35	838829	1	Lift iron	Early type
36	861434	1	Air cleaner	SN-2204157885, Repl by 3582367
			• Bulletin 44-47	New Air Filter for 31, 41 and TAM42WJ Engines
37	858488	1	• Air filter insert	
38	(859729)	1	• Knob	Obsolete part
39	861391	1	• Protecting sleeve	
40	838855	1	Sealing ring	
41	943481	1	Hose clamp	
42	946234	X	Tube	L=380mm
43	946329	2	Flange screw	Early type
44	945407	2	Flange nut	Early type
45	3582367	1	Air filter kit	SN2204157886-, Replaced by 22004848
			• Bulletin 44-47	New Air Filter for 31, 41 and TAM42WJ Engines
45	22004848	1	Air filter kit	SN2204157886-
46	21782391	1	• Air filter	SN2204157886-
47	21646645	1	• • Air filter insert	
48	940285	1	• Plug	
49		X	• Tube	L=670mm
50	861114	1	• Protecting sleeve	
51	943472	1	• Hose clamp	
52	948211	1	• Cable tie	
53	860419	1	Lifting bracket	Late type
54	479972	4	Stud	

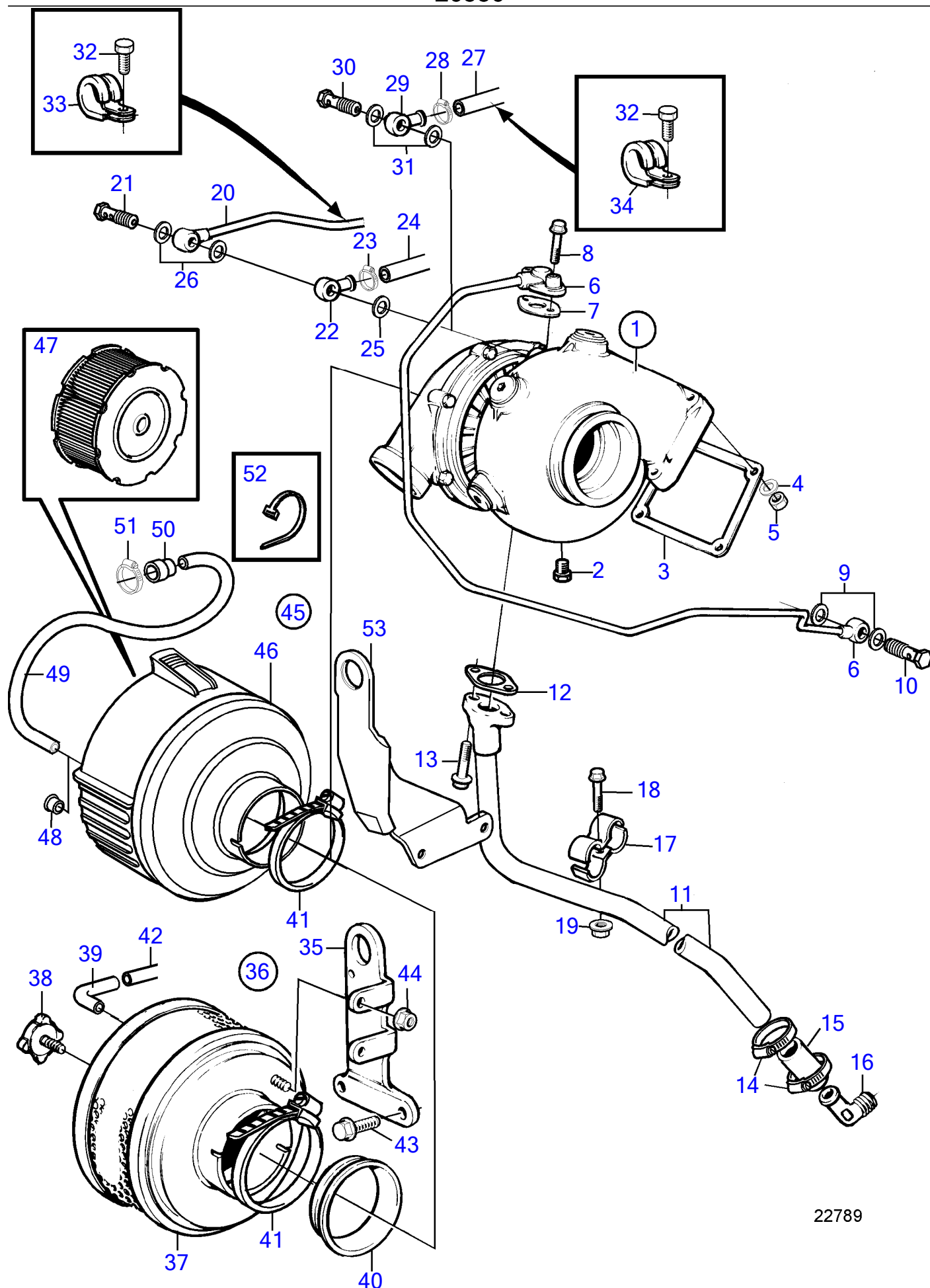


25 Turbocharger and Air Filter
TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A

Ref	Part No.	Qty	Description	Notes
1	3802070	1	Turbocharger	TAMD41P, TAMD41L, TAMD41M, (861260)
1			• Bulletin 44-46	Upgrade Turbo for D41A and D41B Engines
			•	
			•	
	3802081	1	Turbocharger	TAMD41H-A, (861762)
			• parts not sold separately	
	3581191	1	Turbocharger	TAMD41H-B
			• parts not sold separately	
2	861551	1	Plug	
3	3582676	1	Gasket kit	
4	955895	4	Washer	
5	940183	4	Hexagon nut	
6	838869	1	Oil pressure pipe	
7	420641	1	Plane gasket	
8	945444	1	Flange screw	L=25mm
	946671	1	Flange screw	L=30mm
9	969011	2	Gasket	
10	25167	1	Hollow screw	
11	838820	1	Oil return pipe	
12	860105	1	Gasket	
13	945444	2	Flange screw	
14	994559	2	Hose clamp	
15	466328	1	Hose	
16	983105	1	Hose nipple	
17	820851	2	Clamp	
18	946544	1	Flange screw	L=16mm
19	945407	1	Flange nut	
20	860215	1	Air vent hose	Turbo-thermostat housing., For earlier version of expansion tank., K.C
21	947975	1	Hollow screw	Heat ex., M12
22	858750	1	Banjo nipple	Heat ex.
23	945652	1	Hose clamp	Heat ex.
24	942700	X	Hose	Expansion tank-Turbo., For earlier version of expansion tank., Heat ex.
25	11994	1	Gasket	Heat ex.
26		1	Hollow screw	K.C
27	11994	2	Gasket	
28	942700	X	Hose	Expansion tank-Turbo., For later version of expansion tank., L=580mm
29	945652	1	Hose clamp	
30	858750	1	Banjo nipple	
31	969299	1	Hollow screw	
32	11994	2	Gasket	
33	967949	3	Flange screw	
34	952624	2	Clamp	
35	952627	1	Clamp	
36	838829	1	Lift iron	Early type
37	861434	1	Air cleaner	SN-2204157885, Repl by 3582367
			• Bulletin 44-47	New Air Filter for 31, 41 and TAMD42WJ Engines
38	858488	1	• Air filter insert	
39	(859729)	1	• Knob	Obsolete part
40	861391	1	• Protecting sleeve	
41	838855	1	Sealing ring	
42	943481	1	Hose clamp	
43	946234	X	Tube	L=380mm
44	946329	2	Flange screw	Early type
45	945407	2	Flange nut	Early type
46	3582367	1	Air filter kit	SN2204157886-
			• Bulletin 44-47	New Air Filter for 31, 41 and TAMD42WJ Engines
46	22004848	1	Air filter kit	SN2204157886-
47	21782391	1	• Air filter	SN2204157886-
48	21646645	1	• • Air filter insert	
49	940285	1	• Plug	
50		X	• Tube	L=670mm
51	861114	1	• Protecting sleeve	
52	943472	1	• Hose clamp	
53	948211	1	• Cable tie	
54	860419	1	Lifting bracket	Late type



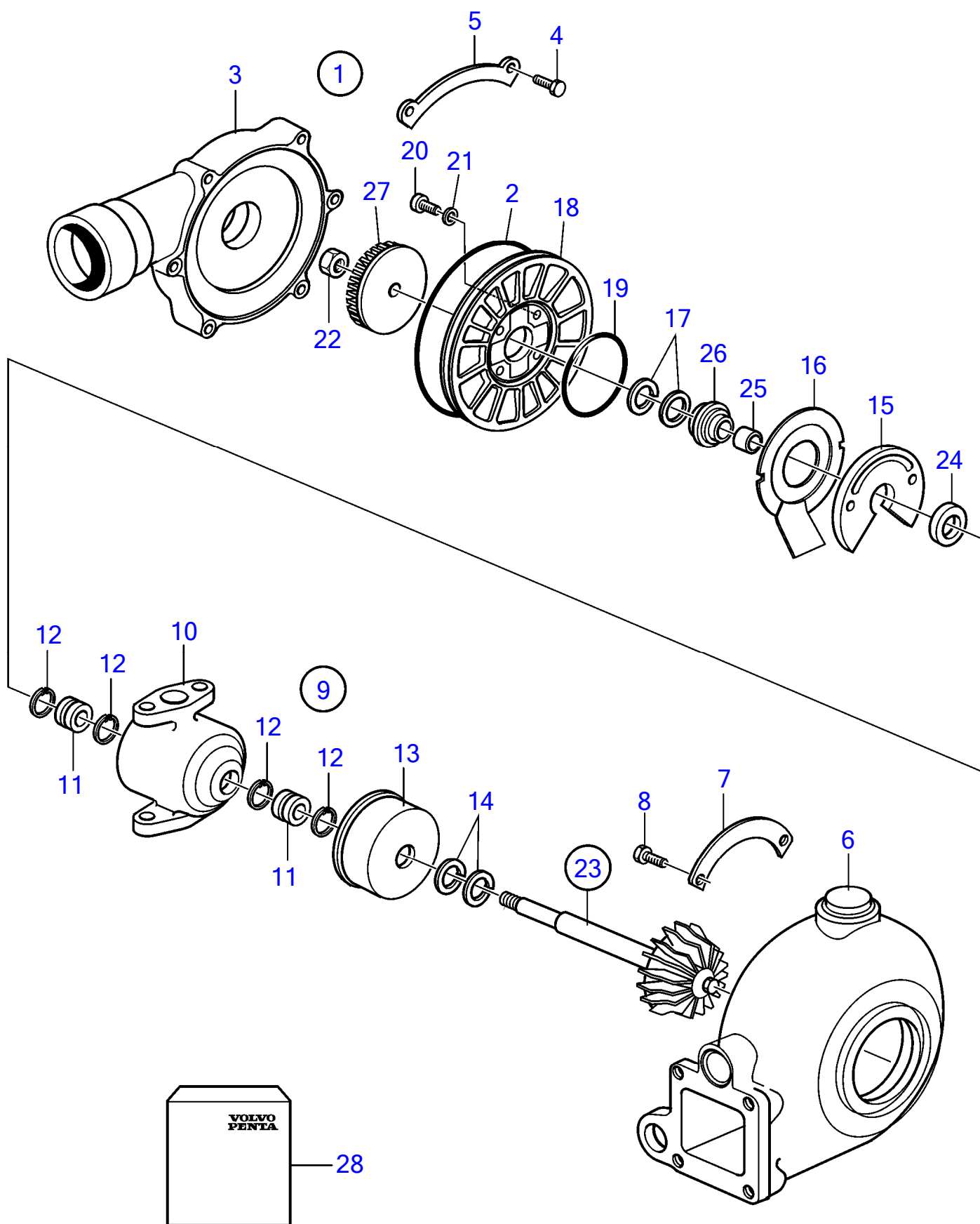
Ref	Part No.	Qty	Description	Notes
1	3802060	1	Turbo	SN-2203125715, (860916)
			• Turbo	
			•	
	3802081	1	Turbocharger	SN2203125716-, (861762)
			parts not sold separately	
2	861551	1	Plug	
3	3582676	1	Gasket kit	
4	955895	4	Washer	
5	940183	4	Hexagon nut	
6	838868	1	Oil pressure pipe	
7	420641	1	Plane gasket	
8	945444	1	Flange screw	L=25mm
	946671	1	Flange screw	L=30mm
9	969011	2	Gasket	
10	25167	1	Hollow screw	
11	838870	1	Oil return pipe	
12	860105	1	Gasket	
13	945444	2	Flange screw	
14	994559	2	Hose clamp	
15	466328	1	Hose	
16	983105	1	Hose nipple	
17	820851	2	Clamp	
18	946544	1	Flange screw	
19	945407	1	Flange nut	
20	860214	1	Air vent hose	Turbo-thermostat housing., For earlier version of expansion tank.
21	11994	2	Gasket	
22	947975	1	Hollow screw	
23	858750	1	Banjo nipple	
24	945652	1	Hose clamp	
25	942700	X	Hose	Expansion tank-Turbo., For earlier version of expansion tank.
26	11994	1	Gasket	
27	942700	X	Hose	Expansion tank-Turbo., For later version of expansion tank., L=580mm
28	945652	1	Hose clamp	
29	858750	1	Banjo nipple	
30	969299	1	Hollow screw	
31	11994	2	Gasket	
32	967949	2	Flange screw	
33	952624	1	Clamp	
34	952627	1	Clamp	
35	838829	1	Lift iron	Early type
36	861434	1	Air cleaner	SN-2204216357, Repl by 3582367
			• Bulletin 44-47	New Air Filter for 31, 41 and TAMD42WJ Engines
37	858488	1	• Air filter insert	
38	(859729)	1	• Knob	Obsolete part
39	861391	1	• Protecting sleeve	
40	946234	X	Tube	L=670mm
41	838855	1	Sealing ring	
42	943481	1	Hose clamp	
43	3582367	1	Air filter kit	SN-2203129177, Replaced by 22004848
			• Bulletin 44-47	New Air Filter for 31, 41 and TAMD42WJ Engines
43	22004848	1	Air filter kit	SN2203129178-
44	21782391	1	• Air filter	SN2203129178-
45	21646645	1	• • Air filter insert	
46	940285	1	• Plug	
47		X	• Tube	L=670mm
48	861114	1	• Protecting sleeve	
49	943472	1	• Hose clamp	
50	948211	1	• Cable tie	
51	946329	2	Flange screw	Early type
52	945407	2	Flange nut	Early type
53	860419	1	Lifting bracket	Late type



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25 Turbocharger and Air Filter

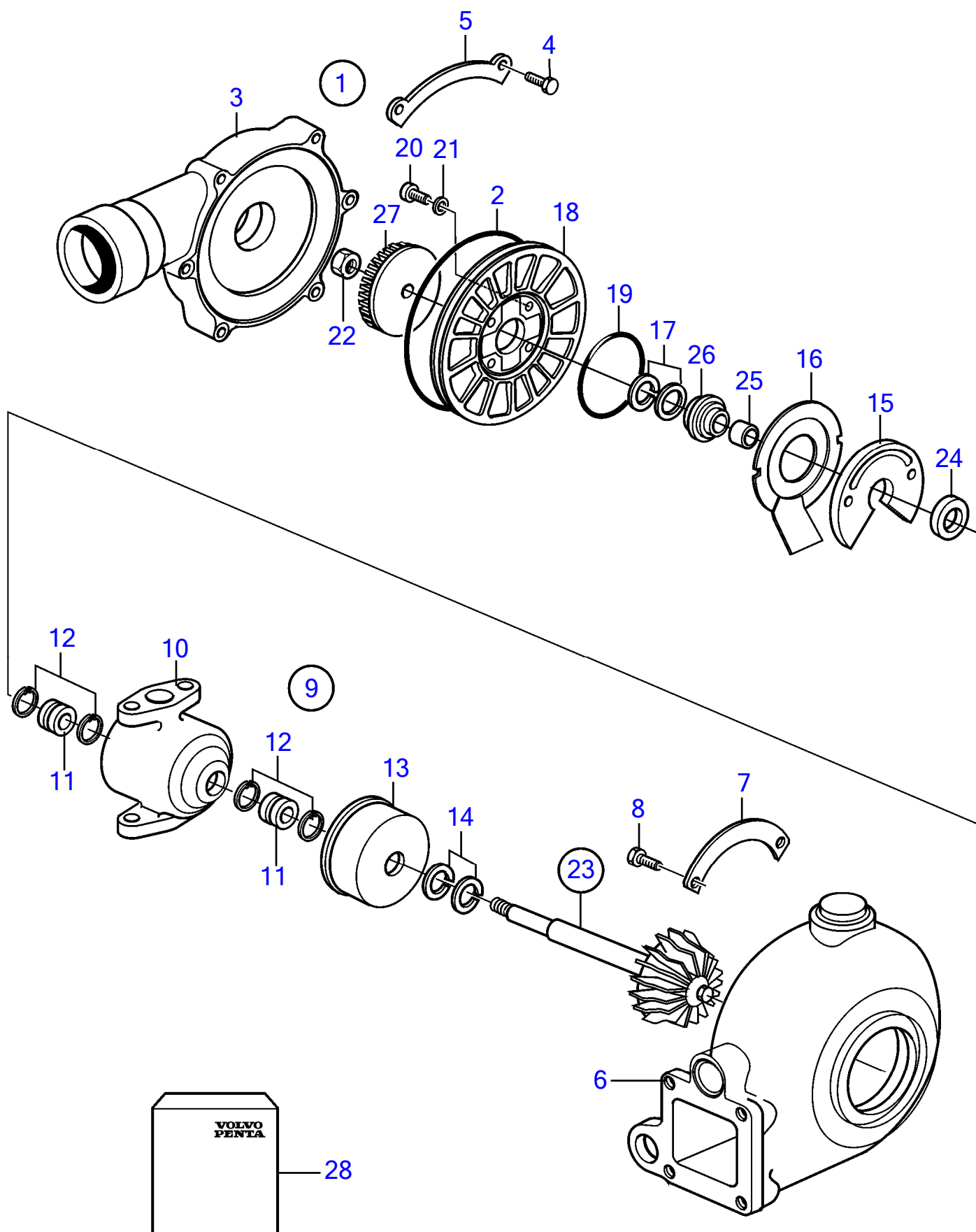
Ref	Part No.	Qty	Description	Notes
1	3802070	1	Turbocharger	(861260)
1			• Bulletin 44-46	Upgrade Turbo for D41A amd D41B Engines
2	861551	1	Plug	
3	3582676	1	Gasket kit	
4	955895	4	Washer	
5	940183	4	Hexagon nut	
6	838869	1	Oil pressure pipe	
7	420641	1	Plane gasket	
8	945444	1	Flange screw	L=25mm
	946671	1	Flange screw	L=30mm
9	969011	2	Gasket	
10	25167	1	Hollow screw	
11	838820	1	Oil return pipe	
12	860105	1	Gasket	
13	945444	2	Flange screw	
14	994559	2	Hose clamp	
15	466328	1	Hose	
16	983105	1	Hose nipple	
17	820851	2	Clamp	
18	946544	1	Flange screw	L=16mm
19	945407	1	Flange nut	
20	860215	1	Air vent hose	Turbo-thermostat housing., For earlier version of expansion tank.
21	947975	1	Hollow screw	M12
22	858750	1	Banjo nipple	
23	945652	1	Hose clamp	
24	942700	X	Hose	Expansion tank-Turbo., For earlier version of expansion tank.
25	11994	1	Gasket	
26	11994	2	Gasket	
27	942700	X	Hose	Expansion tank-Turbo., For later version of expansion tank., L=580mm
28	945652	1	Hose clamp	
29	858750	1	Banjo nipple	
30	969299	1	Hollow screw	
31	11994	2	Gasket	
32	967949	3	Flange screw	
33	952624	2	Clamp	
34	952627	1	Clamp	
35	838829	1	Lift iron	
36	861434	1	Air cleaner	SN-2204157885, Repl by 3582367
			• Bulletin 44-47	New Air Filter for 31, 41 and TAM42WJ Engines
37	858488	1	• Air filter insert	
38	(859729)	1	• Knob	Obsolete part
39	861391	1	• Protecting sleeve	
40	838855	1	Sealing ring	
41	943481	1	Hose clamp	
42	946234	X	Tube	L=380mm
43	946329	2	Flange screw	
44	945407	2	Flange nut	
45	3582367	1	Air filter kit	SN2204157886-, Replaced by 22004848
			• Bulletin 44-47	New Air Filter for 31, 41 and TAM42WJ Engines
45	22004848	1	Air filter kit	SN2204157886-
46	21782391	1	Air filter	SN2204157886-
47	21646645	1	Air filter insert	
48	940285	1	• Plug	
49		X	• Tube	L=670mm
50	861114	1	• Protecting sleeve	
51	943472	1	• Hose clamp	
52	948211	1	• Cable tie	
53	860419	1	Lifting bracket	



25 Turbocharger, Components

AD31L-A, AD31P-A, TAM31L-A, TAM31M-A, TAM31P-A

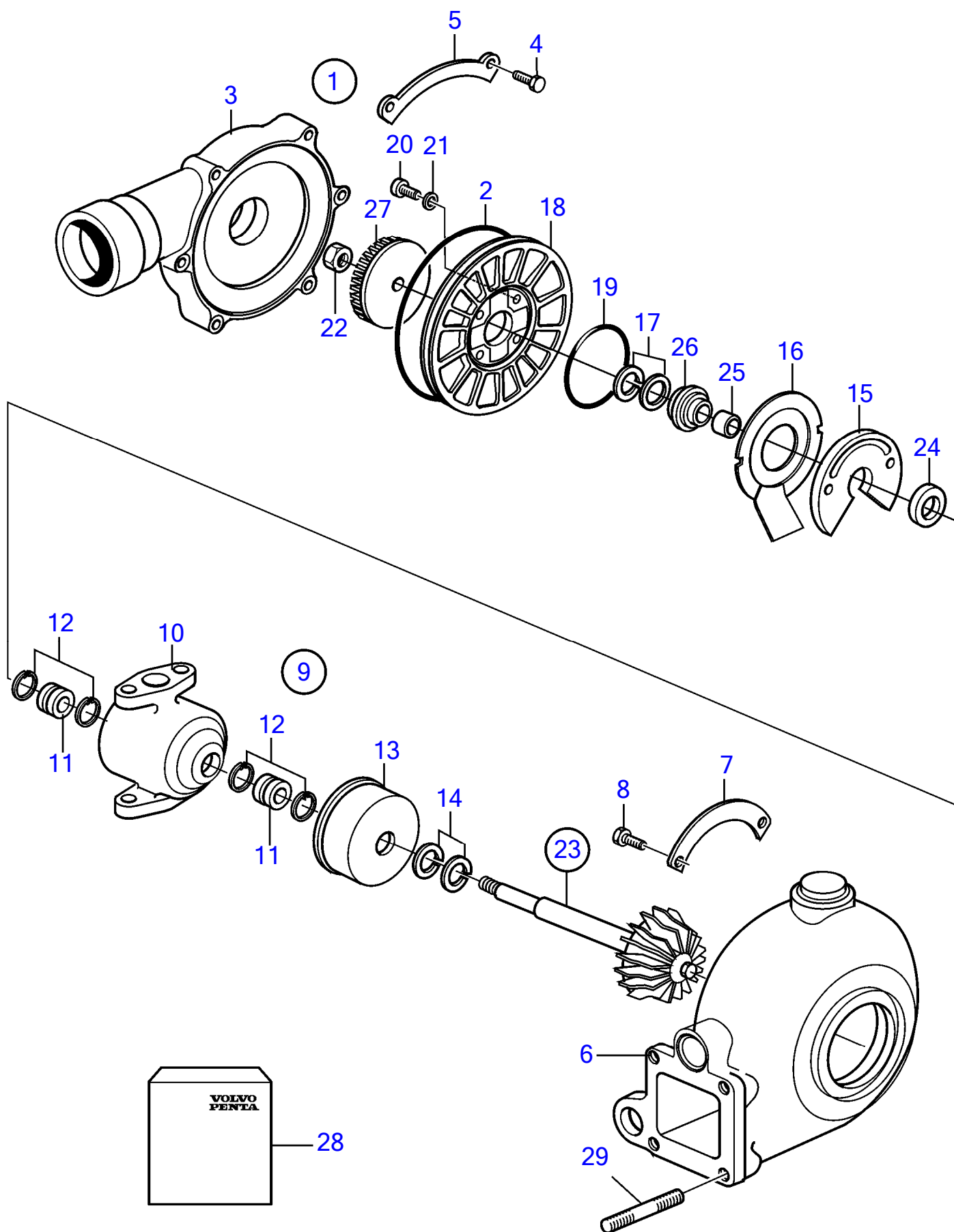
Ref	Part No.	Qty	Description	Notes
1	3802082	1	Turbocharger	(3581528)
2	838567	1	• O-ring	Included in repair kit
3		1	• Housing	
4	955270	8	• Hexagon screw	Included in repair kit, (858661)
5	(858662)	4	• Segment	Obsolete part
6		1	• Turbine housing	
7	(858664)	3	• Segment	Obsolete part
8	955293	6	• Hexagon screw	
9	(858705)	1	• Bearing housing	Obsolete part
10		1	• • Bearing housing	
11	(838562)	2	• • Bushing	Obsolete part
12	(845042)	4	• • Lock ring	Obsolete part
13	(858668)	1	• • Heat shield	Obsolete part
14		2	• • Piston ring	Included in repair kit
15	(858710)	1	• • Thrust bearing	Obsolete part
16	(845047)	1	• • Oil deflector	Obsolete part
17		1	• • Piston ring	Included in repair kit
18		1	• • Cover	
19	(838426)	1	• • O-ring	Obsolete part
20	(845829)	4	• • Screw	Obsolete part
21	(838568)	4	• • Washer	Obsolete part
22		1	• • Nut	Included in repair kit
23	858707	1	• • Rotor	
24	(844000)	1	• • • Thrust ring	Obsolete part
25	(845050)	1	• • • Sleeve	Obsolete part
26	(858675)	1	• • • Seal	Obsolete part
27	(858708)	1	• • • Compressor wheel	Obsolete part
28	861501	1	Repair kit	



25 Turbocharger, Components: 860916

AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TMD31L-A

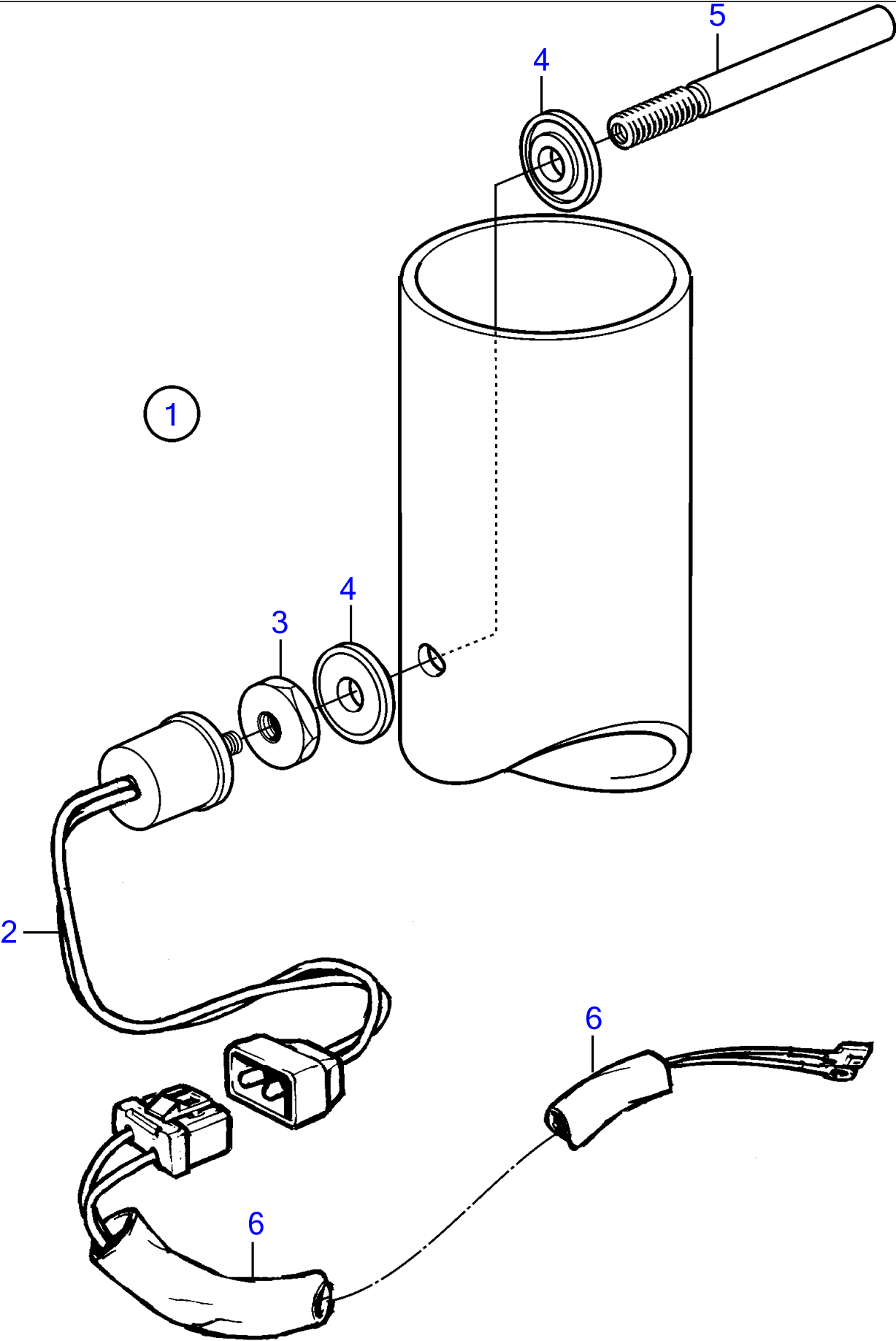
Ref	Part No.	Qty	Description	Notes
1	3802060		Turbo	(860916)
2	838567	1	• O-ring	Included in repair kit
3		1	• Housing	
4	955270	8	• Hexagon screw	Included in repair kit, (858661)
5	(858662)	4	• Segment	Obsolete part
6		1	• Turbine housing	
7	(858664)	3	• Segment	Obsolete part
8	955293	6	• Hexagon screw	
9	(858705)	1	• Bearing housing	Obsolete part
10		1	• • Bearing housing	
11	(838562)	2	• • Bushing	Obsolete part
12	(845042)	4	• • Lock ring	Obsolete part
13	(858668)	1	• • Heat shield	Obsolete part
14		2	• • Piston ring	Included in repair kit
15	(858710)	1	• • Thrust bearing	Obsolete part
16	(845047)	1	• • Oil deflector	Obsolete part
17		1	• • Piston ring	Included in repair kit
18		1	• • Cover	
19	(838426)	1	• • O-ring	Obsolete part
20	(845829)	4	• • Screw	Obsolete part
21	(838568)	4	• • Washer	Obsolete part
22		1	• • Nut	Included in repair kit
23	(861503)	1	• • Shaft	Obsolete part
24	(844000)	1	• • • Thrust ring	Obsolete part
25	(845050)	1	• • • Sleeve	Obsolete part
26	(858675)	1	• • • Seal	Obsolete part
27	(3581660)	1	• • • Compressor wheel	Obsolete part
28	861501	1	Repair kit	See group 99



25 Turbocharger, Components

AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

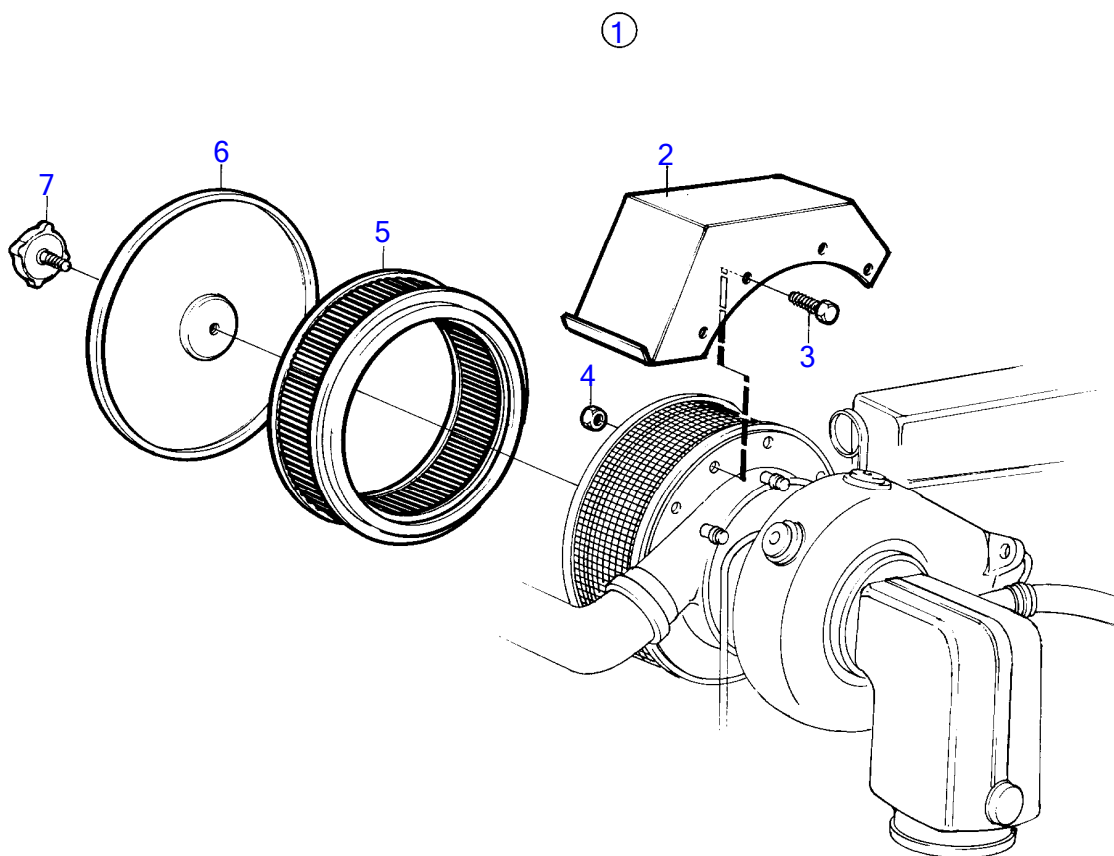
Ref	Part No.	Qty	Description	Notes
1	3802070	1	Turbocharger	(861260)
			• Bulletin 44-46	Upgrade Turbo for D41A amd D41B Engines
2	838567	1	• O-ring	
3		1	• Housing	
4	955270	8	• Hexagon screw	Included in repair kit, (858661)
5	(858662)	4	• Segment	Obsolete part
6		1	• Turbine housing	
7	(858664)	3	• Segment	Obsolete part
8	955293	6	• Hexagon screw	
9	(861506)	1	• Bearing housing	Obsolete part
10		1	• • Bearing housing	
11	(838562)	2	• • Bushing	Obsolete part
12	(845042)	4	• • Lock ring	Obsolete part
13	(858668)	1	• • Heat shield	Obsolete part
14		2	• • Piston ring	Included in repair kit
15	(838565)	1	• • Thrust bearing	Obsolete part
16	(845047)	1	• • Oil deflector	Obsolete part
17		1	• • Piston ring	Included in repair kit
18		1	• • Cover	
19	(838426)	1	• • O-ring	Obsolete part
20		4	• • Screw	Included in repair kit
21		4	• • Washer	
22		1	• • Nut	Included in repair kit
23	(861503)	1	• • Shaft	Obsolete part
24	(844000)	1	• • • Thrust ring	Obsolete part
25	(845050)	1	• • • Sleeve	Obsolete part
26	(858675)	1	• • • Seal	Obsolete part
27	(861504)	1	• • • Compressor wheel	Obsolete part
28	861501	1	Repair kit	See group 99
29	479972	4	Stud	



25 Exhaust Thermo Switch Control

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	(875000)	1	Thermo monitor	For engines with reverse gear., Obsolete part 80°C
2	828761	1	• Thermo monitor	
3	828750	1	• Nut	
4	828776	2	• Washer	
5	828817	1	• Sensor	
6	973122	2	•	
	949597	2	• Housing	

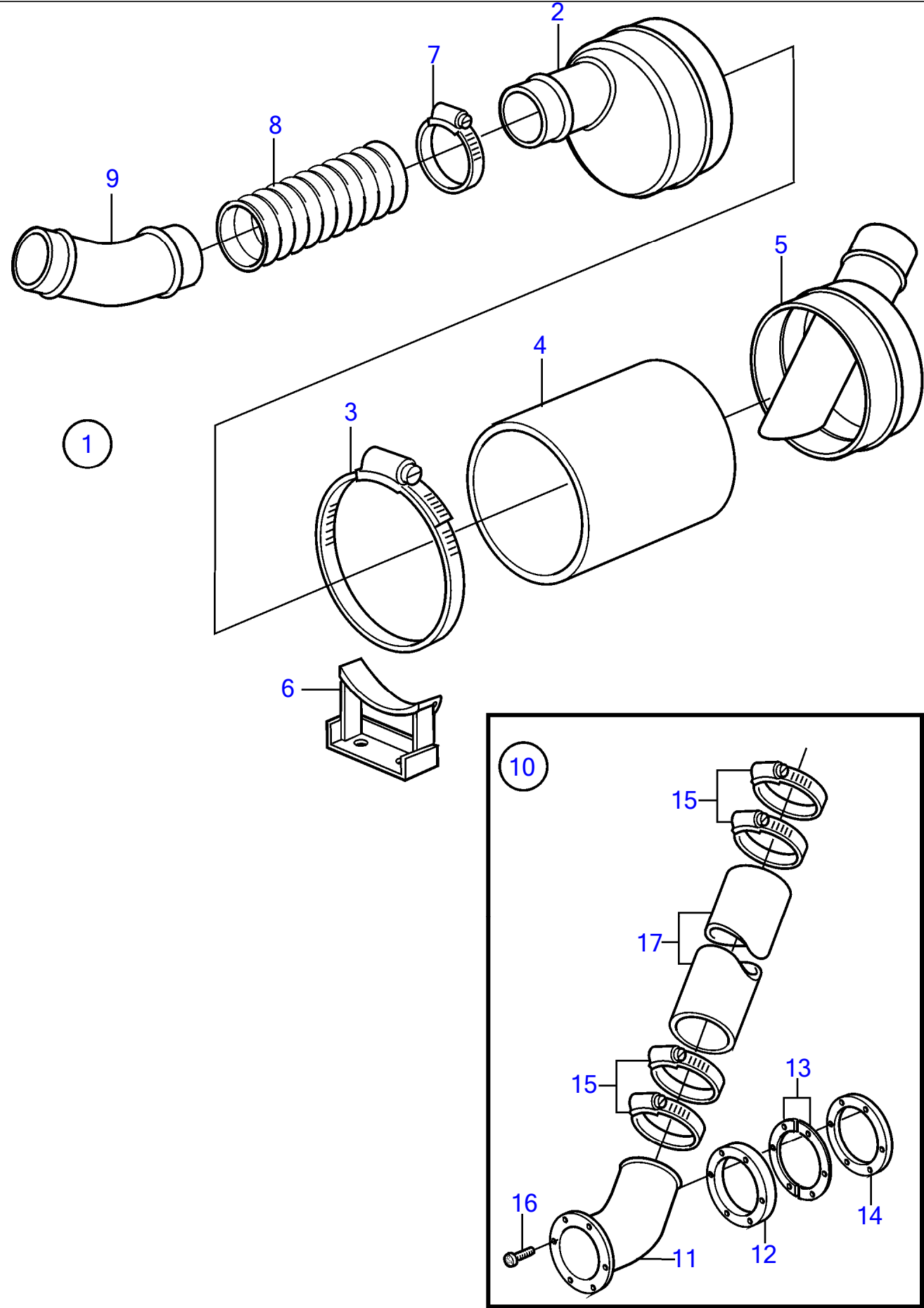


10228

25 Drip Protection for Air Filter, Earlier Edition

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A,
TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

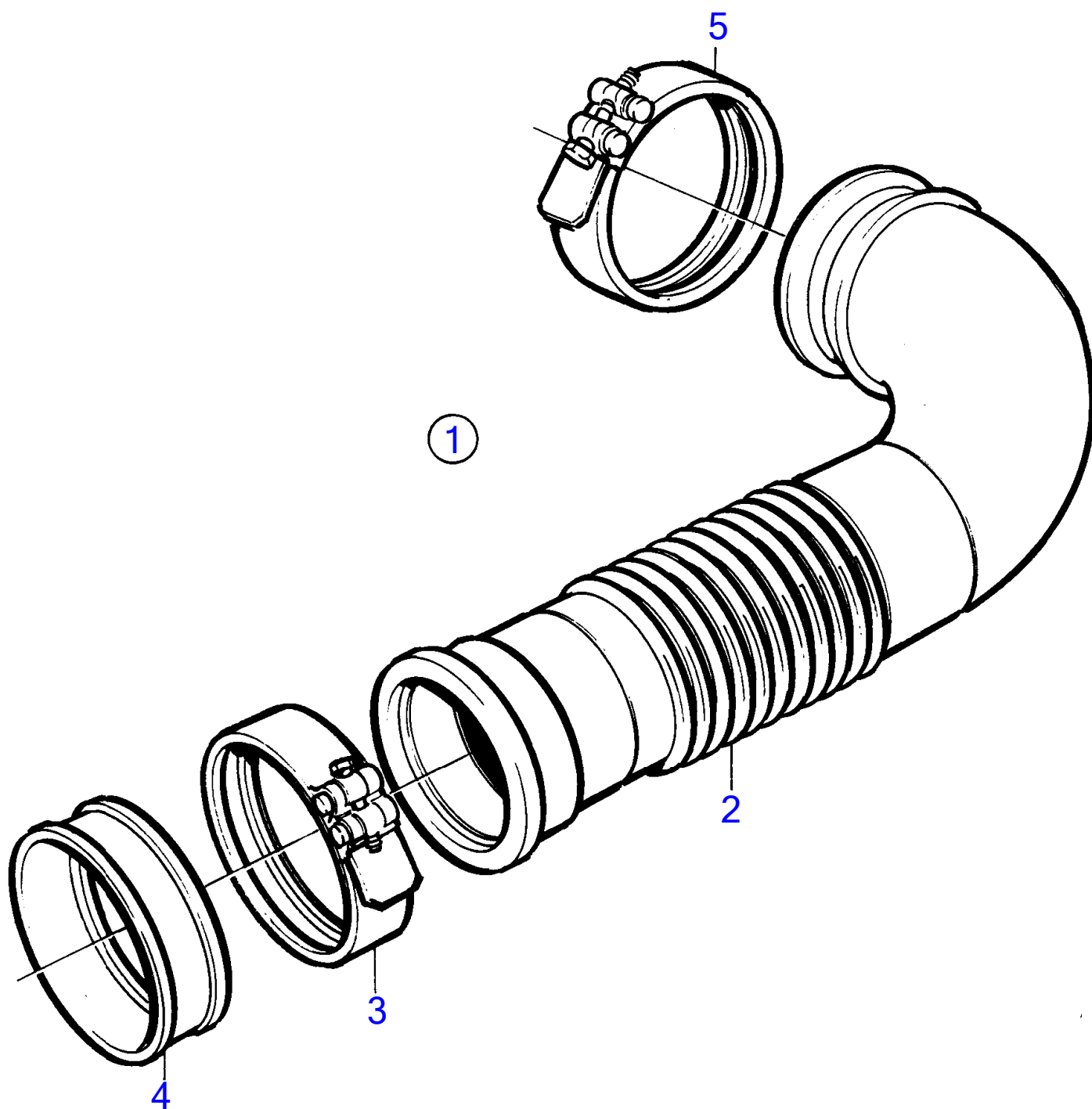
Ref	Part No.	Qty	Description	Notes
1	(859563)	1	Drip protection	Only for air filter 861434., Obsolete part
2	859562	1	• Drip protection	
3	945358	4	• Flange screw	
4	945407	4	• Flange nut	
5	858488	1	Air filter insert	Obsolete part
6		1	Lock	
7	(859729)	1	Knob	



25 Water Cooled Silencer and Exhaust Line

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	842768	1	Muffler	
2		1	• End plate	
3	949000	4	• Hose clamp	
4	842766	1	• Exhaust hose	
5		1	• End plate	
6	842767	2	• Bracket	
7	853012	X	Hose clamp	
8	1140667	X	Exhaust hose	(828729)
9	843287	1	Riser	
10	828295	1	Hull fitting	
11	828292	1	• Hull fitting	
12	828293	1	• Expander	
13		2	• Washer	
14	828412	1	• Washer	
15	853012	4	• Hose clamp	
16	828410	6	• Screw	
17	1140667	X	• Exhaust hose	(828729)

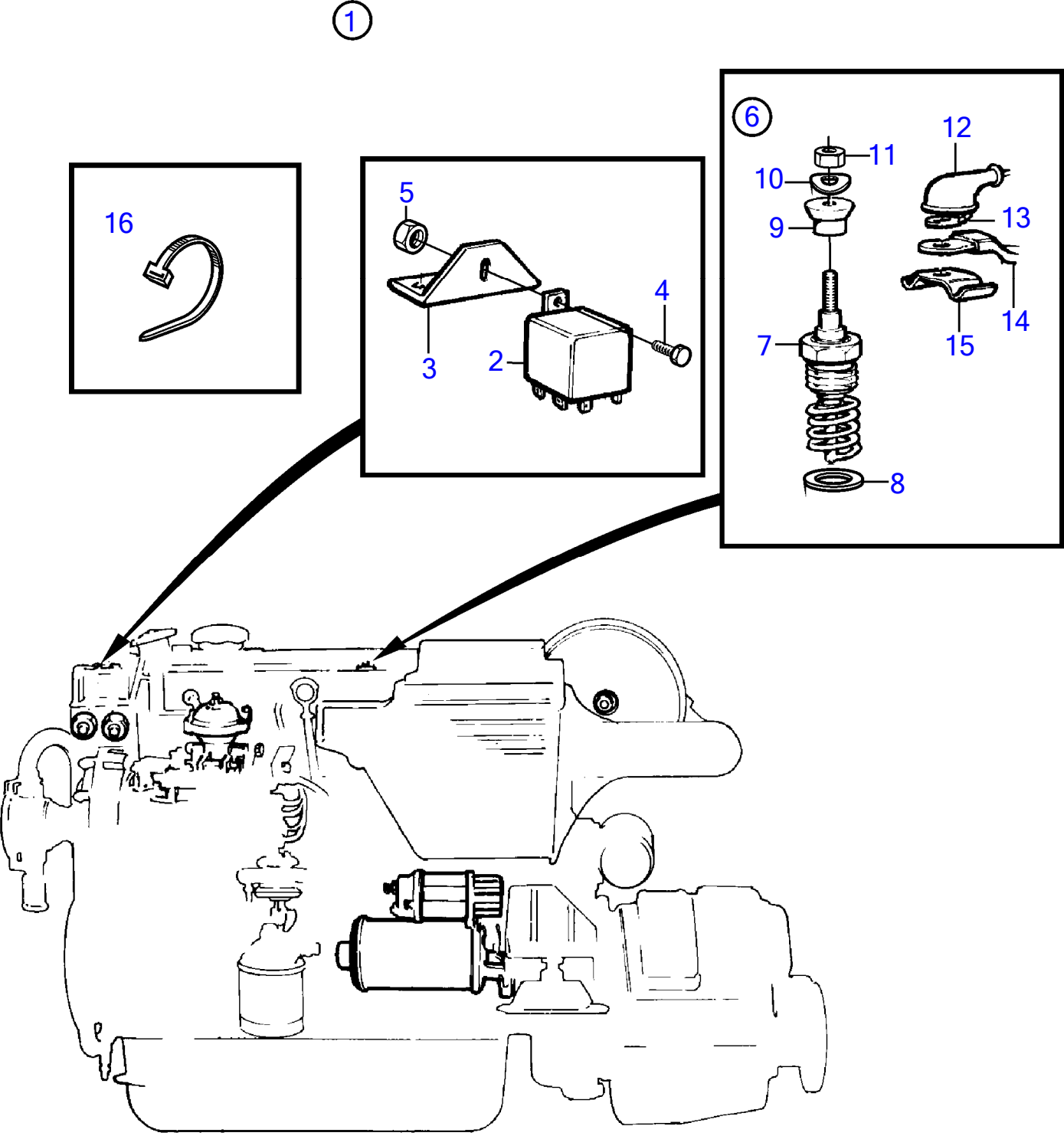


10246

25 Dry Exhaust Line

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A,
TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

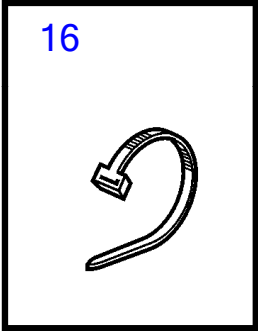
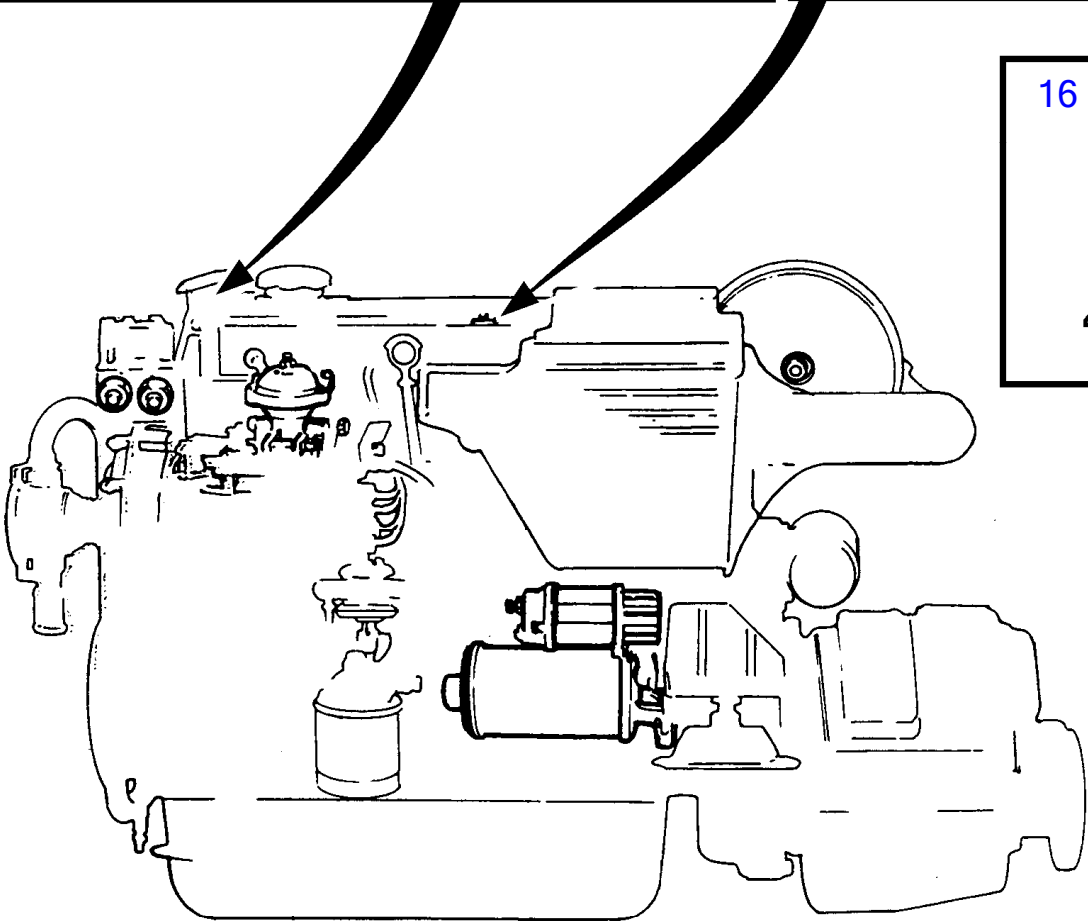
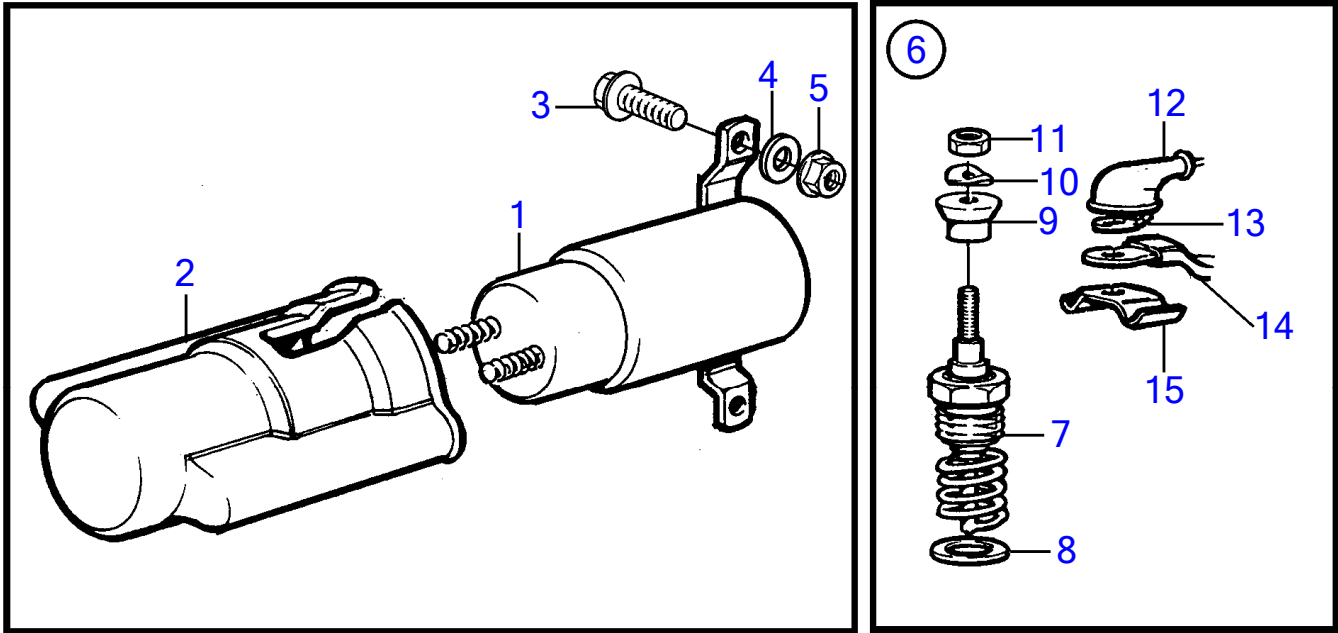
Ref	Part No.	Qty	Description
1	860000	1	Exhaust riser
2	859999	1	• Exhaust riser
3	842993	1	• V-clamp
4	842740	1	• Flange
5	842993	1	• V-clamp



25 Glow Plug Kit: 874117

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

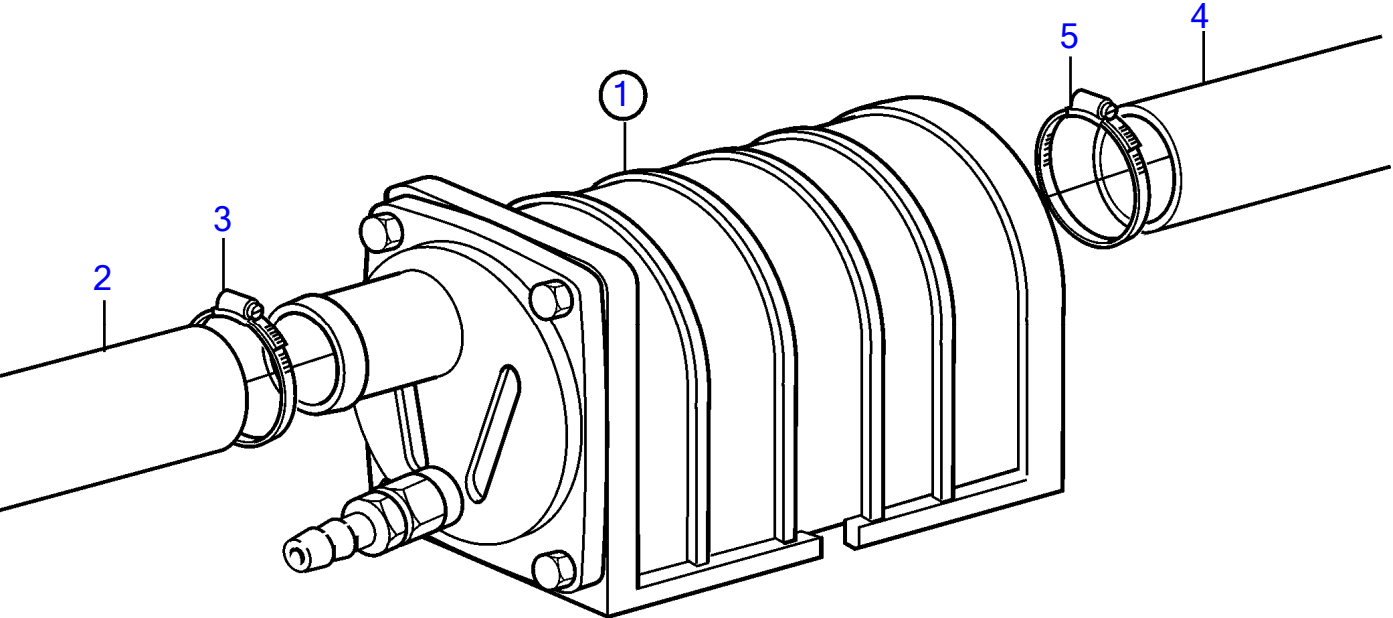
Ref	Part No.	Qty	Description	Notes
1	860935	1	Conversion kit	For 12 voltage electric system., Repl by 874117
	874117	1	Glow plug	For 12 voltage electric system.
2	873740	1	• Relay	
3	858937	1	• Bracket	For 860935
4	969405	1	• 6 point socket screw	For 860935
	968476	1	• Flange screw	
5	965483	1	• Flange nut	For 860935
6	876132	1	• Glow plug	
7	3581635	2	• • Glow plug	
8	859211	1	• • Sealing ring	
9	859328	1	• • Thrust sleeve	
10	941905	1	• • Spring washer	
11	965483	1	• • Flange nut	
12	673580	1	• Terminal cover	
13	860173	1	• Cable kit	Alt
14	859450	1	• Rail	Alt
15	860044	1	• Switch brace	Alt
16	948211	3	Cable tie	



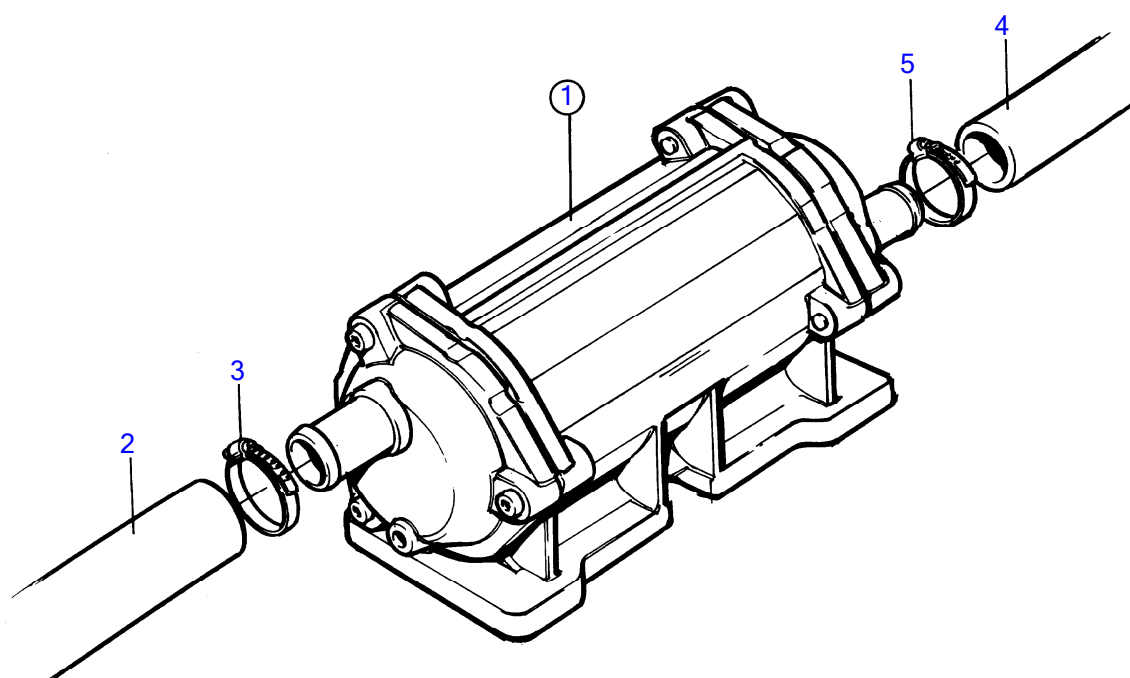
25 Glow Plug Kit, SOLAS Version

TAMD31L-A, TAMD31M-A, TAMD41P-A

Ref	Part No.	Qty	Description	Notes
1	872242	1	Relay	For 12 voltage electric system.
2	1581123	1	Casing	
3	948746	2	Flange screw	
4	955893	2	Washer	
5	945407	2	Flange nut	
6	876132	1	Glow plug	
7	3581635	2	• Glow plug	
8	859211	1	• Sealing ring	
9	859328	1	• Thrust sleeve	
10	941905	1	• Spring washer	
11	965483	1	• Flange nut	
12	673580	4	Terminal cover	
13	(860330)	1	Cable kit	Obsolete part
14	859451	1	Rail	Glow plug 1-2.
	859450	1	Rail	Glow plug 2-3.
	859449	1	Rail	Glow plug 3-4.
15	860044	1	Switch brace	
16	948211	3	Cable tie	

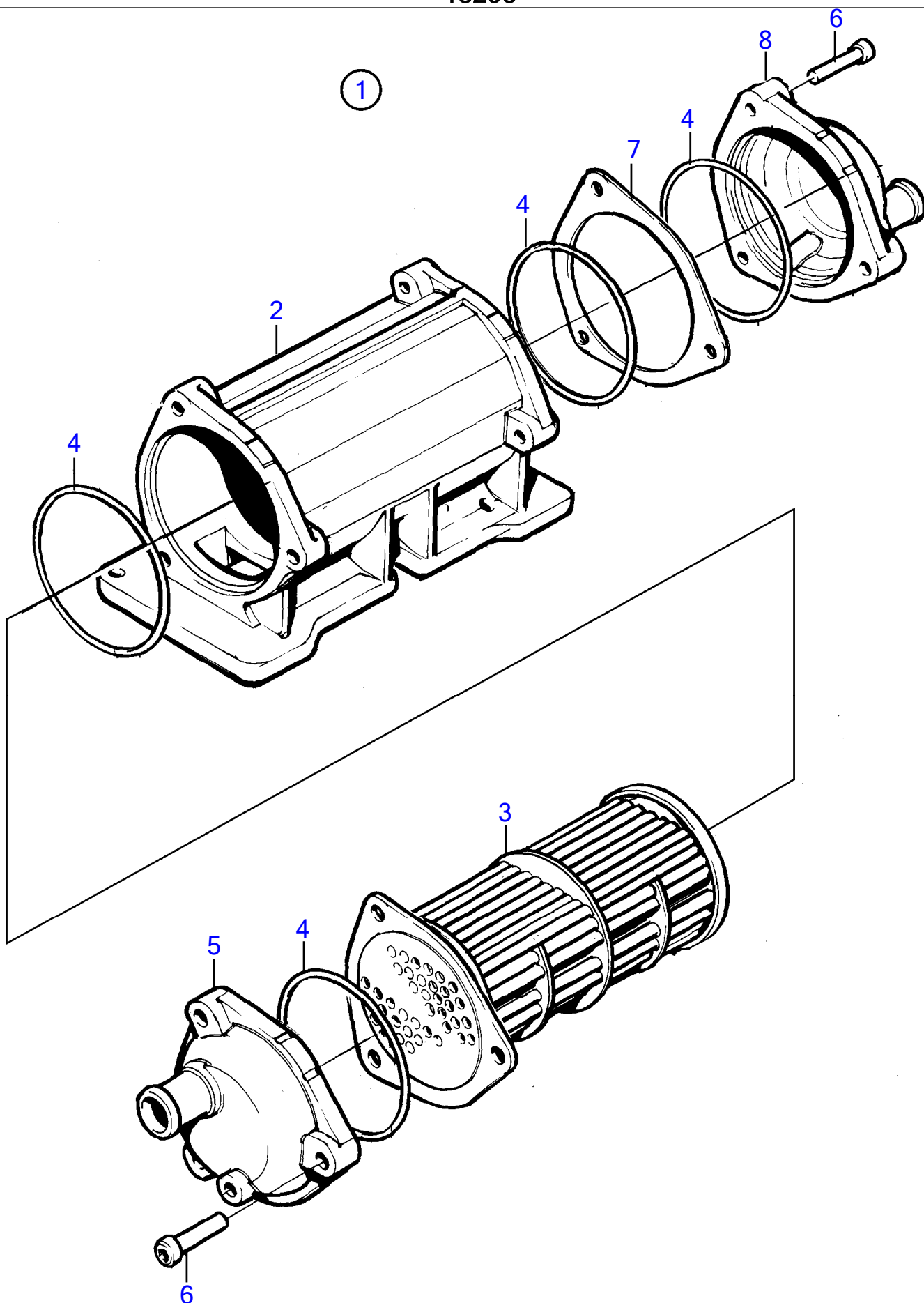


Ref	Part No.	Qty	Description	Notes
1	860633	1	Oil cooler	Repl by 861600
			.	
			.	
2	860644	1	Hose	After cooler-oil cooler.
3	994560	1	Hose clamp	
4	860997	1	Hose	Sea water pump-oil cooler., Alt
	861018	1	Hose	Sea water filter-oil cooler., Alt
5	994560	1	Hose clamp	



15583

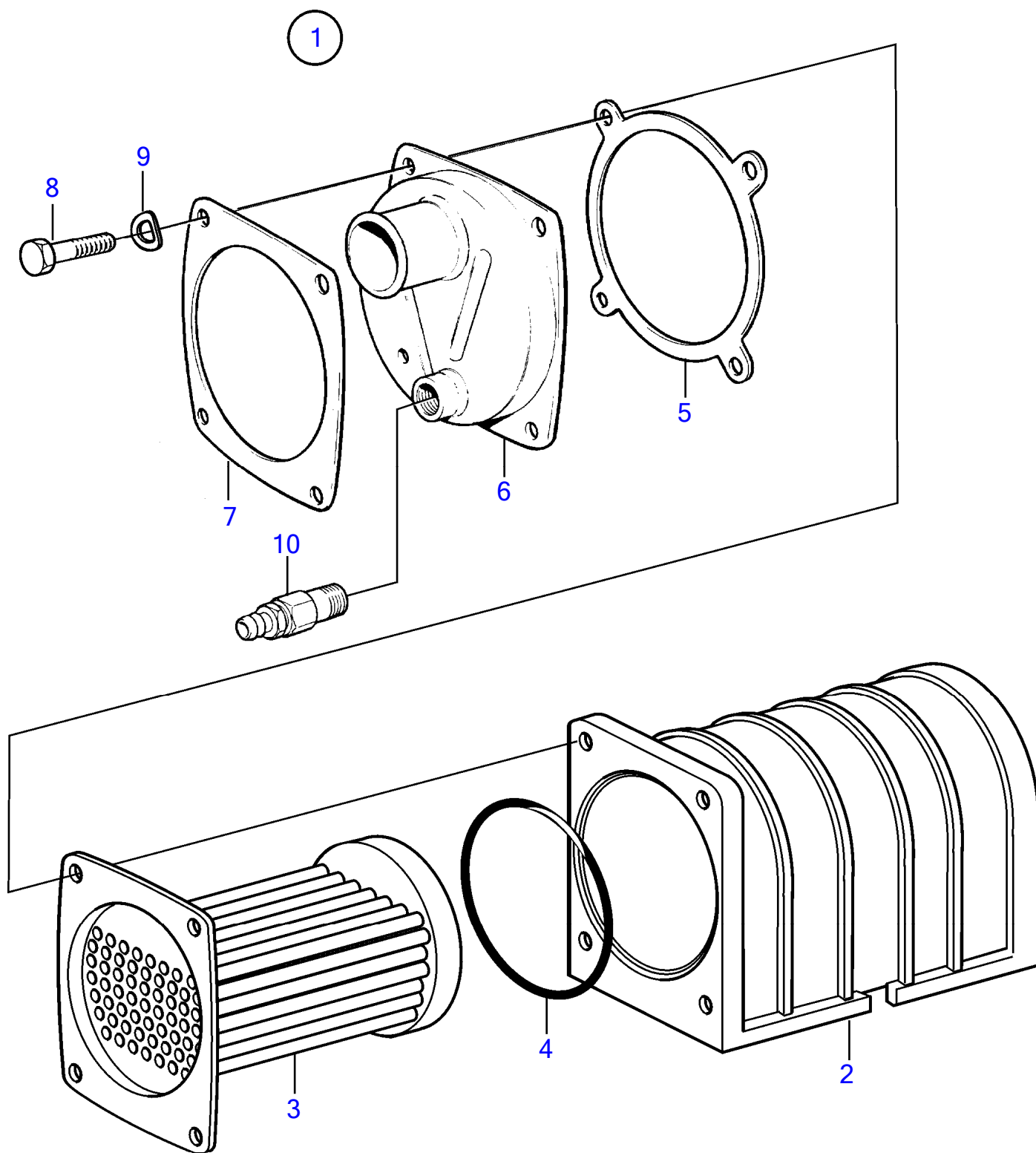
Ref	Part No.	Qty	Description	Notes
1	861600	1	Oil cooler	
			.	
			.	
2	860644	1	Hose	After cooler-oil cooler.
3	994560	1	Hose clamp	
4	860997	1	Hose	Sea water pump-oil cooler., Alt
	861018	1	Hose	Sea water filter-oil cooler., Alt
5	994560	1	Hose clamp	



26 Oil Cooler, Components

AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A,
TAMD41H-B, TMD31L-A

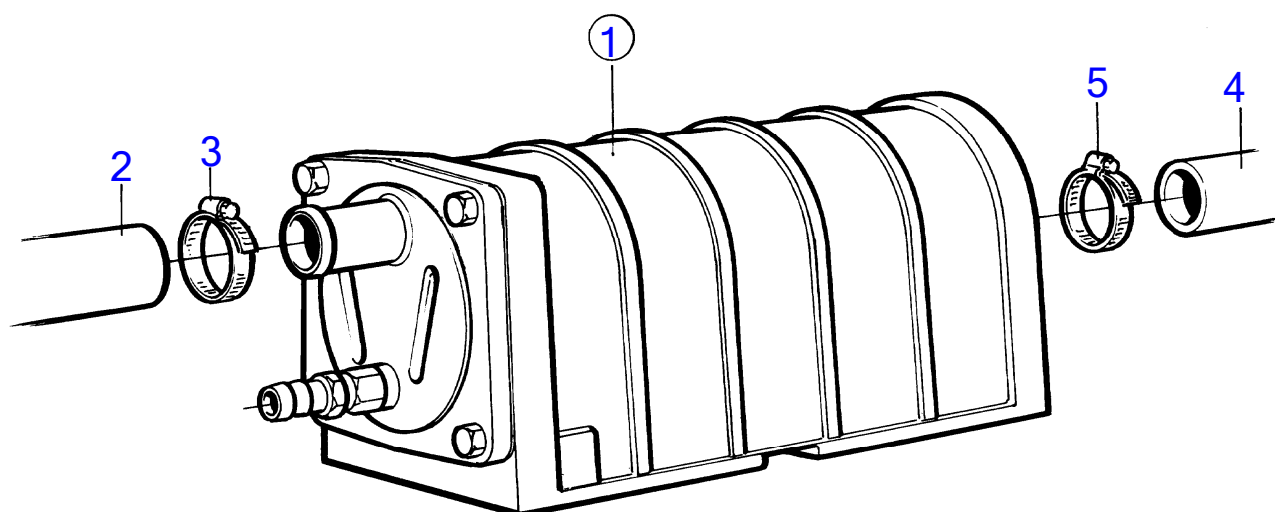
Ref	Part No.	Qty	Description
1	861600	1	Oil cooler
2		1	• Housing
3	3580868	1	• Insert
4	3581070	4	• O-ring
5	3580867	1	• End plate
6	959224	6	• Hex. socket screw
7	3580870	1	• Washer
8	3580866	1	• End plate



26 Oil Cooler, Components

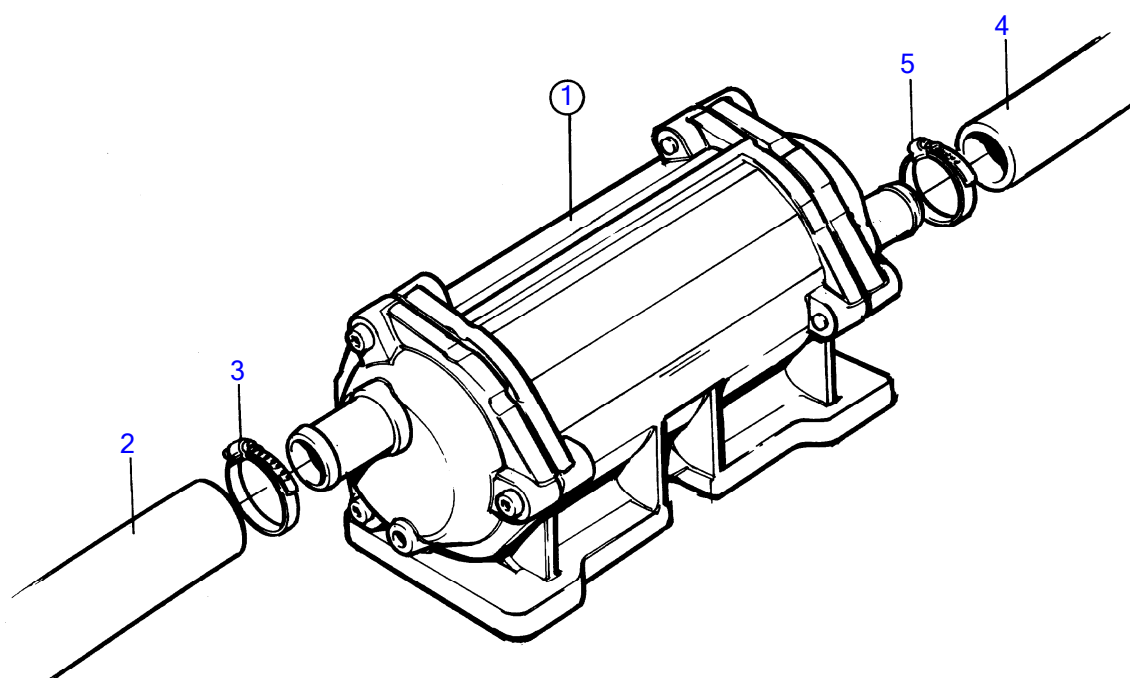
AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD41H-A, TMD31L-A

Ref	Part No.	Qty	Description	Notes
1	860633	1	Oil cooler	
2		1	• Housing	
3	860634	1	• Insert	
			• Installation Instruction 7734238	Oil Cooler/Oil Cooler Insert-Cooling Water Connection
4	948981	1	• O-ring	
5	842597	1	• Gasket	
6	842602	1	• End cover	
7	842596	1	• Flange	
8	955297	4	• Hexagon screw	
9	941907	4	• Spring washer	
10	949918	1	• Shut-off cock	



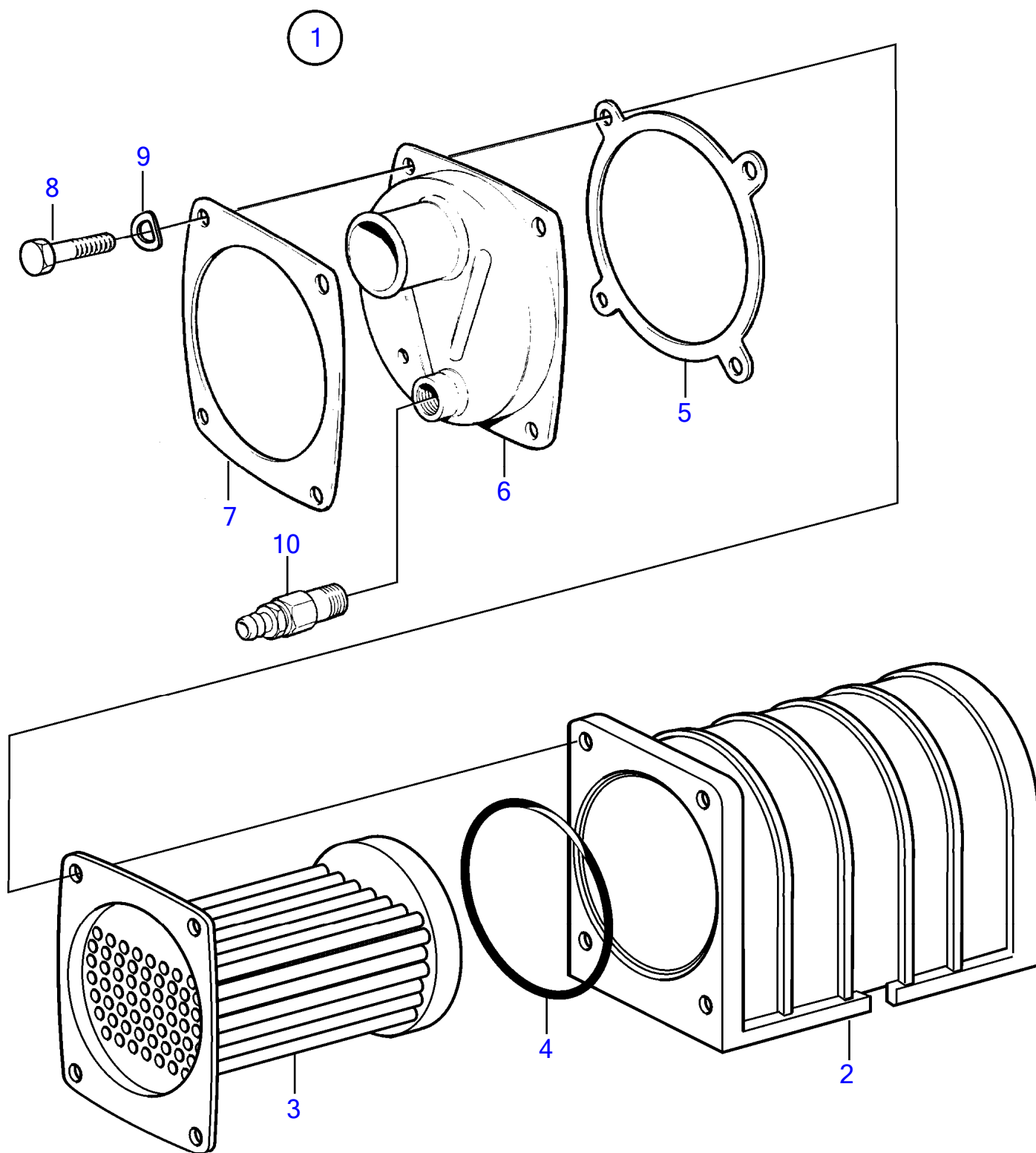
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Ref	Part No.	Qty	Description	Notes
1	860635	1	Oil cooler	Repl by 861601
			.	
			.	
2	860404	1	Hose	After cooler-oil cooler.
3	994560	1	Hose clamp	
4	860997	1	Hose	Sea water pump-oil cooler., Alt
	861018	1	Hose	Sea water filter-oil cooler., Alt
5	994560	1	Hose clamp	



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Ref	Part No.	Qty	Description	Notes
1	861601	1	Oil cooler	
			.	
			.	
2	860404	1	Hose	After cooler-oil cooler.
3	994560	1	Hose clamp	
4	860997	1	Hose	Sea water pump-oil cooler., Alt
	861018	1	Hose	Sea water filter-oil cooler., Alt
5	994560	1	Hose clamp	Alt



26 Oil Cooler, Components

AD41L-A, AD41P-A, D41L-A, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

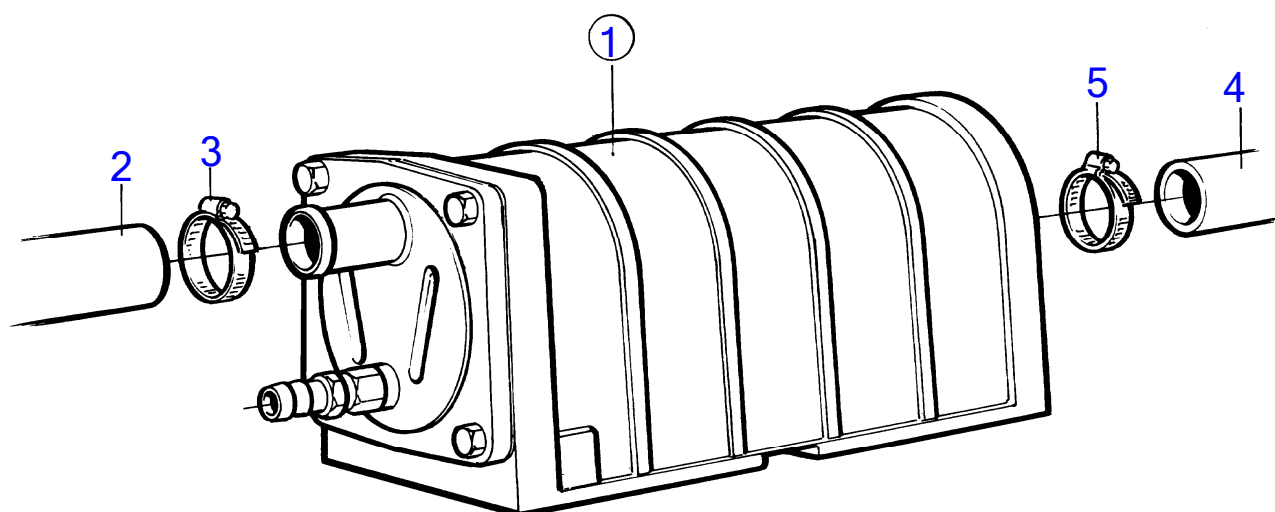
Ref	Part No.	Qty	Description
1	860635	1	Oil cooler
2		1	• Housing
3	860636	1	• Insert
4	948981	1	• O-ring
5	842597	1	• Gasket
6	842602	1	• End cover
7	842596	1	• Flange
8	955297	4	• Hexagon screw
9	941907	4	• Spring washer
10	949918	1	• Shut-off cock



26 Oil Cooler, Components

AD41L-A, AD41P-A, D41L-A, TMD41L-A

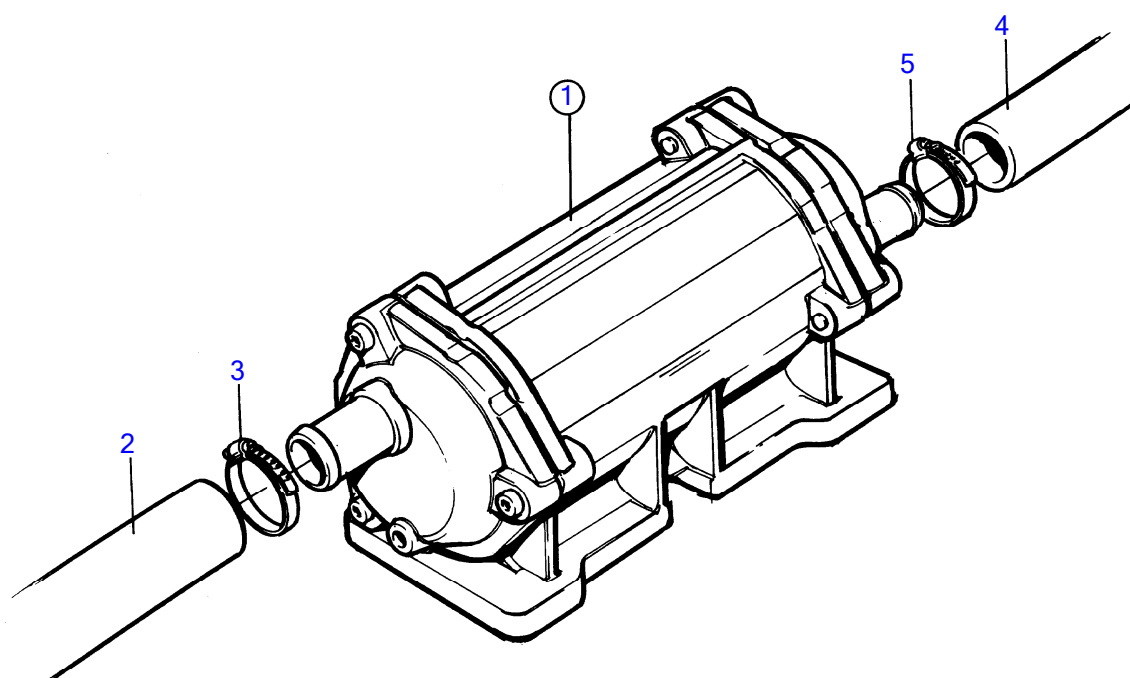
Ref	Part No.	Qty	Description
1	861601	1	Oil cooler
2		1	• Housing
3	3580869	1	• Insert
4	3581070	4	• O-ring
5	3580867	1	• End plate
6	959224	6	• Hex. socket screw
7	3580870	1	• Washer
8	3580866	1	• End plate



10771

D41L-A

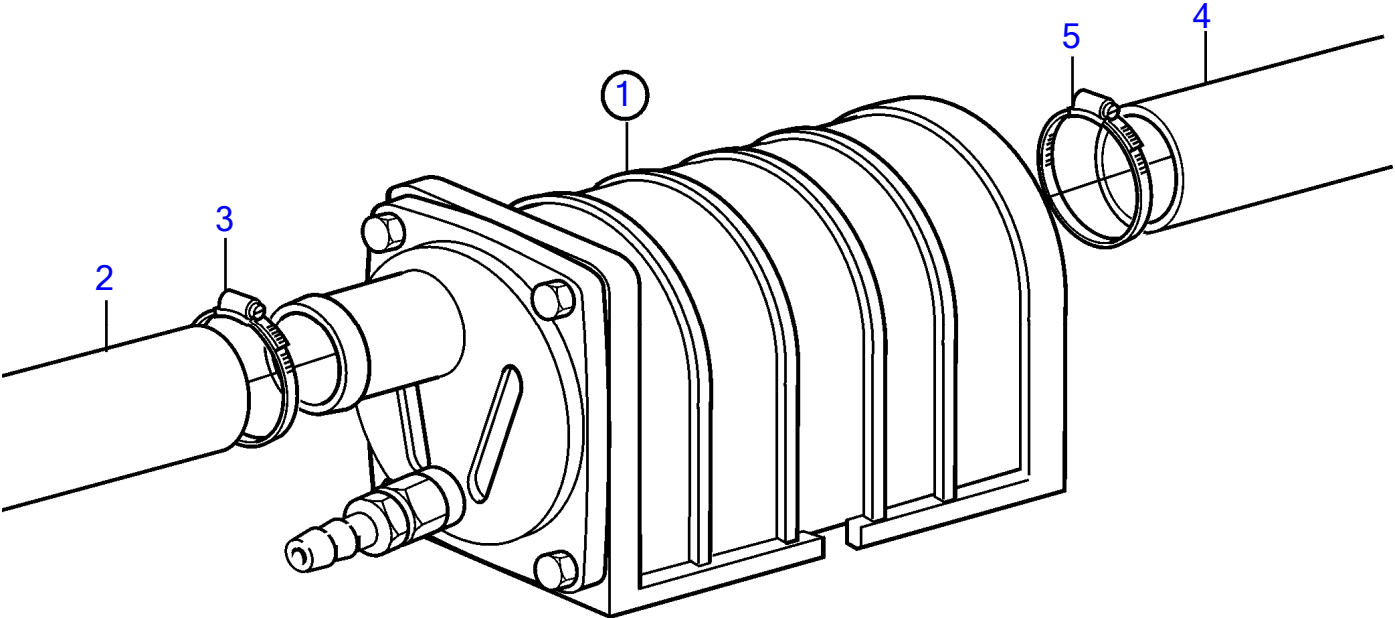
Ref	Part No.	Qty	Description	Notes
1	860635	1	Oil cooler	Repl by 861601
			.	
			.	
2	860643	1	Hose	Heat exchanger-oil cooler.
3	994560	1	Hose clamp	
4	860997	1	Hose	Sea water pump-oil cooler., Alt
	861018	1	Hose	Sea water filter-oil cooler., Alt
5	994560	1	Hose clamp	



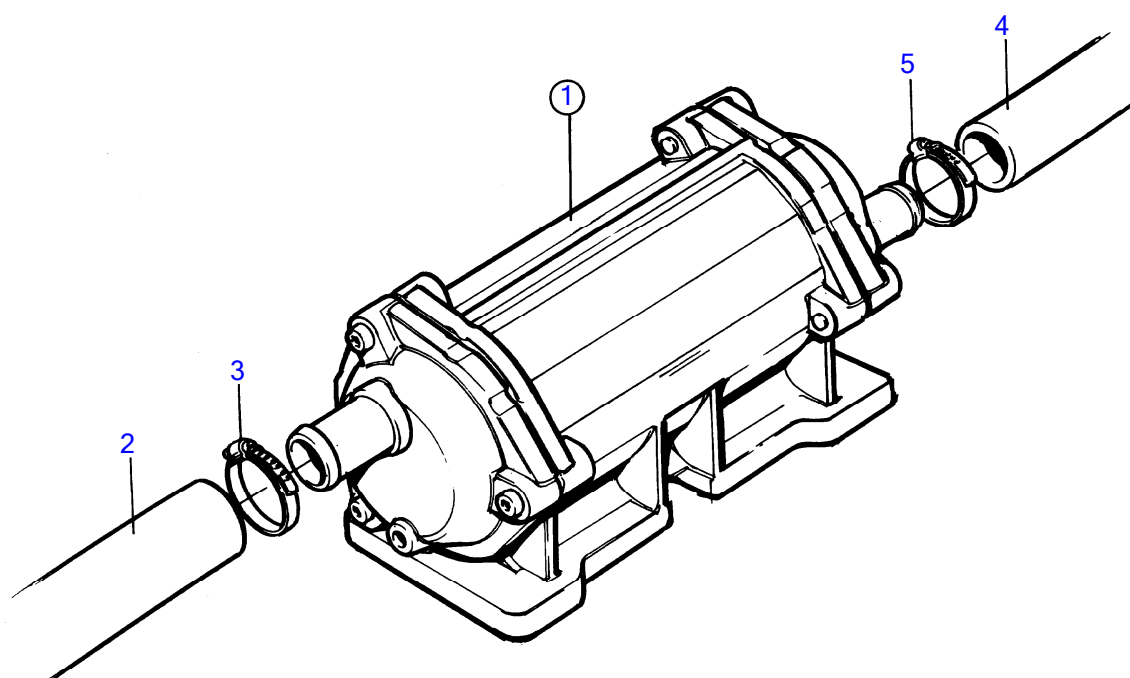
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D41L-A

Ref	Part No.	Qty	Description	Notes
1	861601	1	Oil cooler	
			.	
			.	
2	860643	1	Hose	Heat exchanger-oil cooler.
3	994560	1	Hose clamp	
4	860997	1	Hose	Sea water pump-oil cooler., Alt
	861018	1	Hose	Sea water filter-oil cooler., Alt
5	994560	1	Hose clamp	Alt

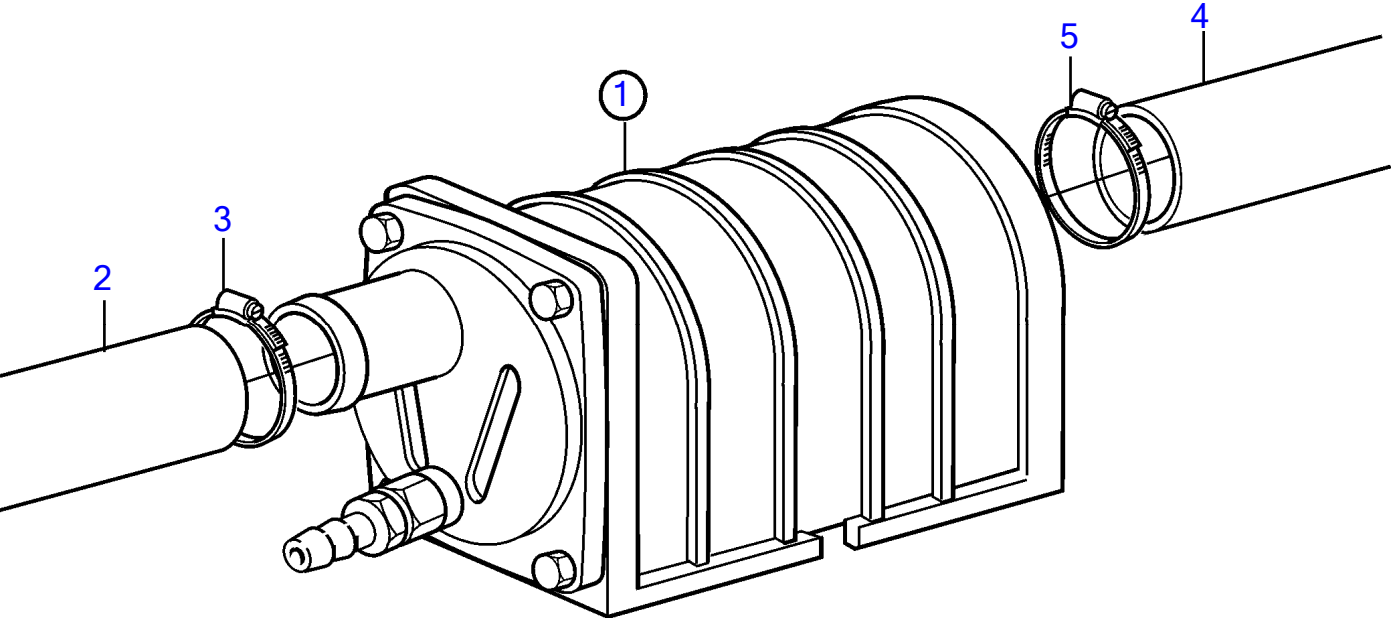


Ref	Part No.	Qty	Description	Notes
1	860633	1	Oil cooler	Repl by 861600
			.	
2	860644	1	Hose	After cooler-oil cooler.
3	994560	1	Hose clamp	
4	860997	1	Hose	Sea water pump-oil cooler.
5	994560	1	Hose clamp	

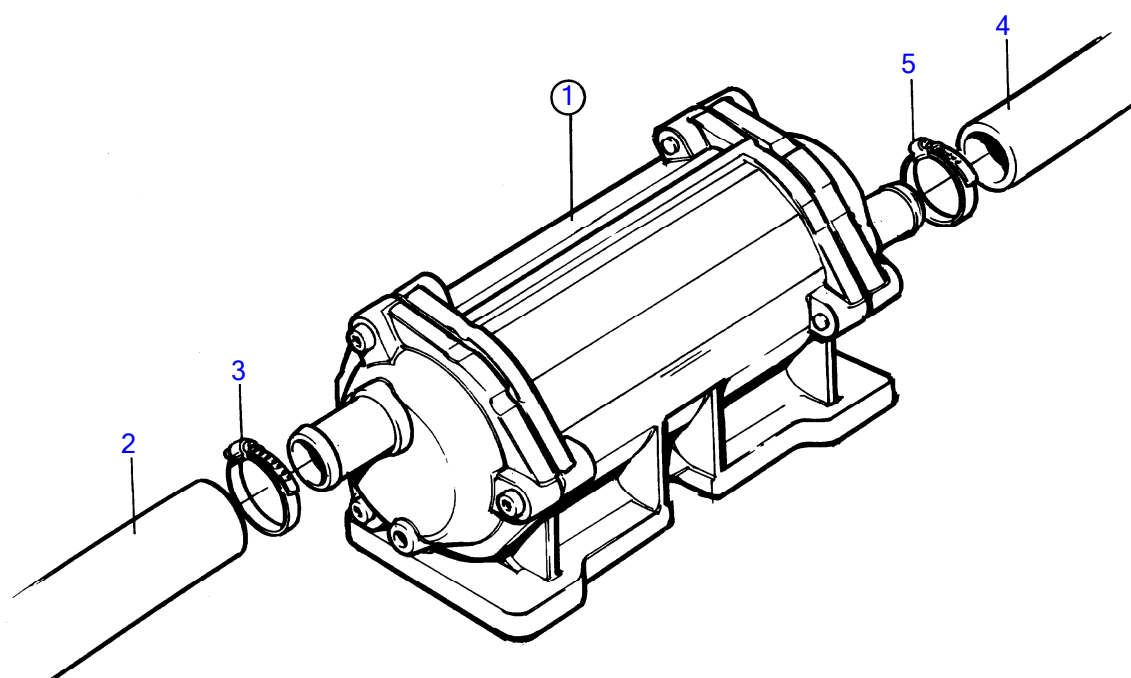


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Ref	Part No.	Qty	Description	Notes
1	861600	1	Oil cooler	
			.	
			.	
2	860644	1	Hose	After cooler-oil cooler.
3	994560	1	Hose clamp	
4	860997	1	Hose	Sea water pump-oil cooler.
5	994560	1	Hose clamp	

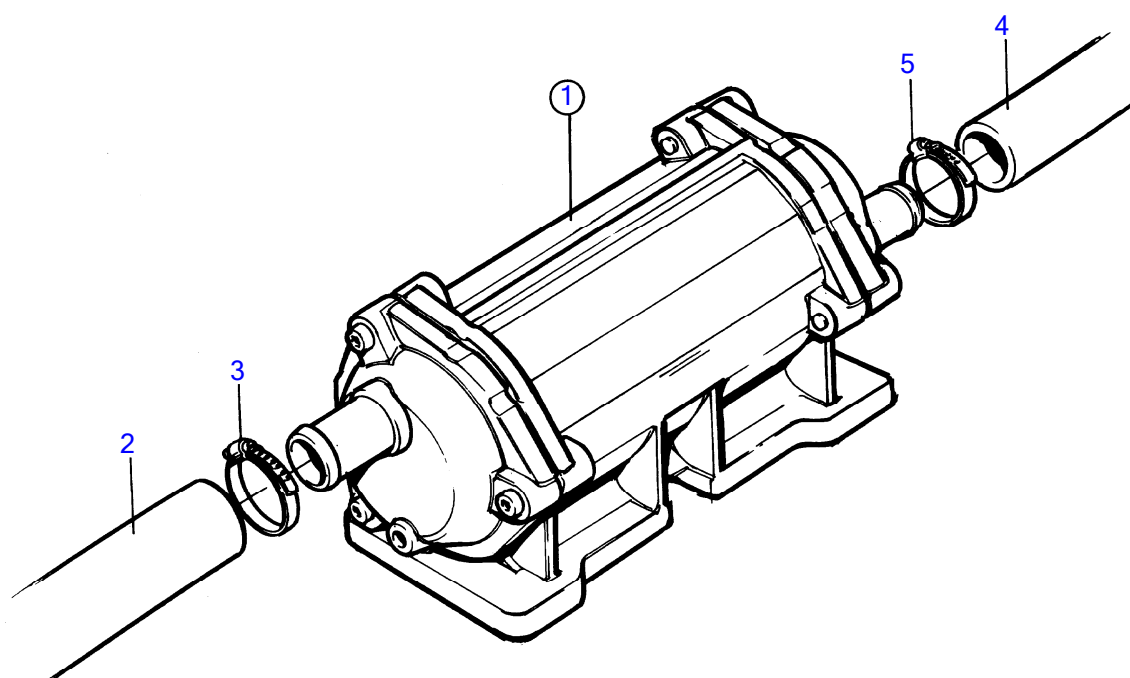


Ref	Part No.	Qty	Description	Notes
1	860633	1	Oil cooler	Repl by 861600
			.	
			.	
2	860404	1	Hose	After cooler-oil cooler.
3	994560	1	Hose clamp	
4	860997	1	Hose	Sea water pump-oil cooler.
5	994560	1	Hose clamp	



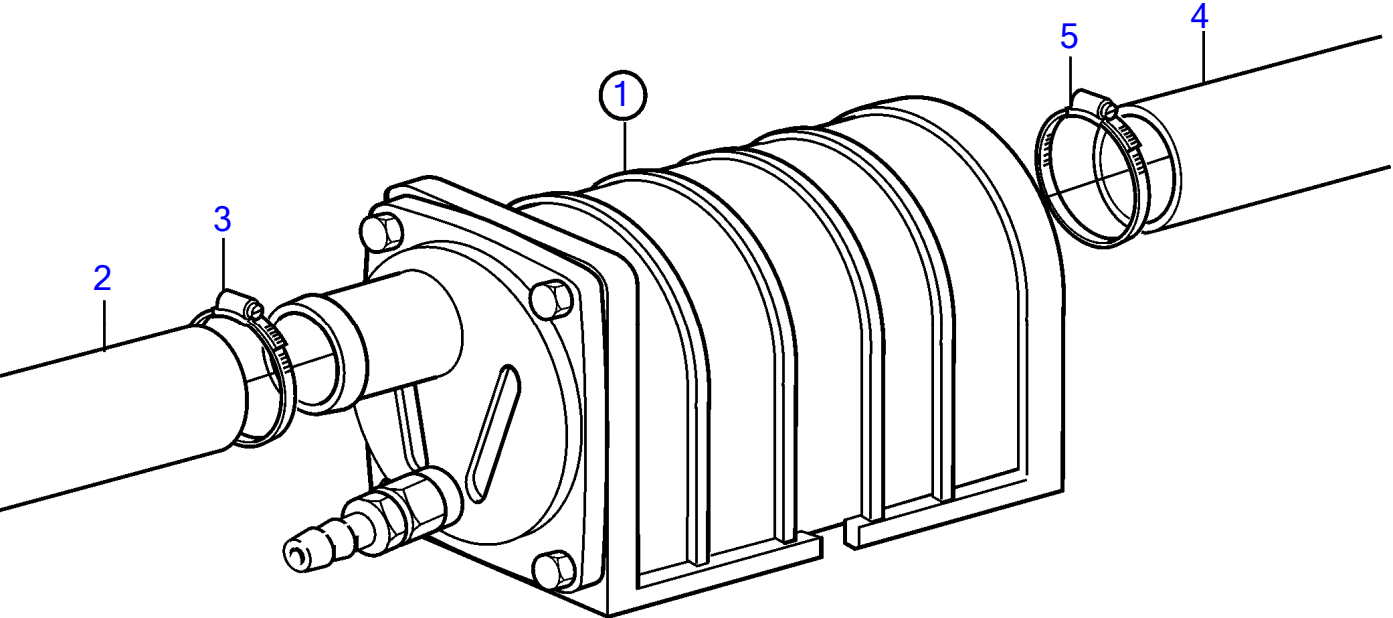
15583

Ref	Part No.	Qty	Description	Notes
1	861600	1	Oil cooler	
			.	
			.	
2	860404	1	Hose	After cooler-oil cooler.
3	994560	1	Hose clamp	
4	860997	1	Hose	Sea water pump-oil cooler.
5	994560	1	Hose clamp	

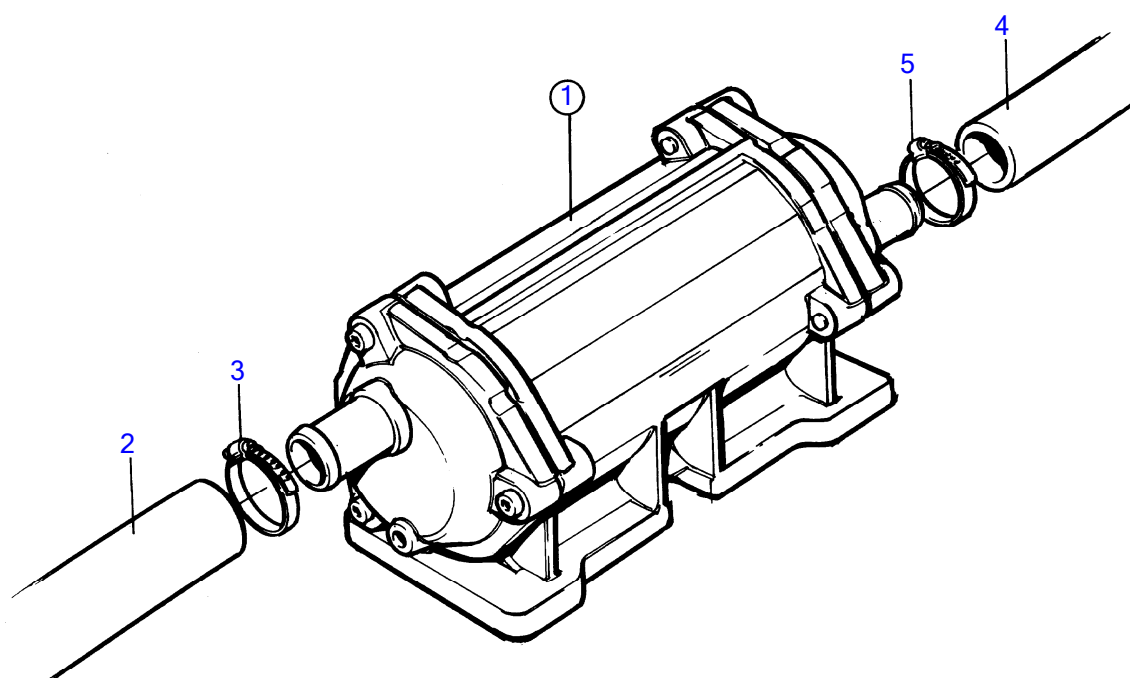


15583

Ref	Part No.	Qty	Description	Notes
1	861601	1	Oil cooler	
			.	
			.	
2	860404	1	Hose	After cooler-oil cooler.
3	994560	1	Hose clamp	
4	860997	1	Hose	Sea water pump-oil cooler.
5	994560	1	Hose clamp	

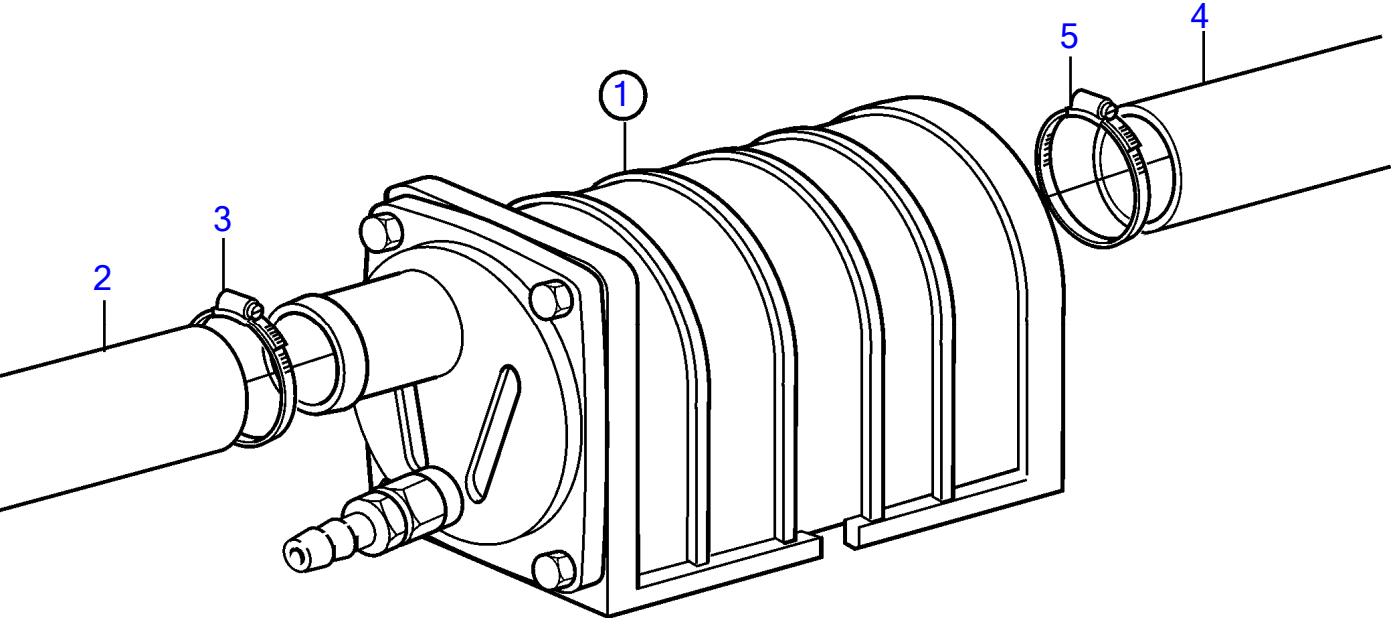


Ref	Part No.	Qty	Description	Notes
1	860635	1	Oil cooler	
			.	
			.	
2	860404	1	Hose	After cooler-oil cooler.
3	994560	1	Hose clamp	
4	860997	1	Hose	Sea water pump-oil cooler.
5	994560	1	Hose clamp	

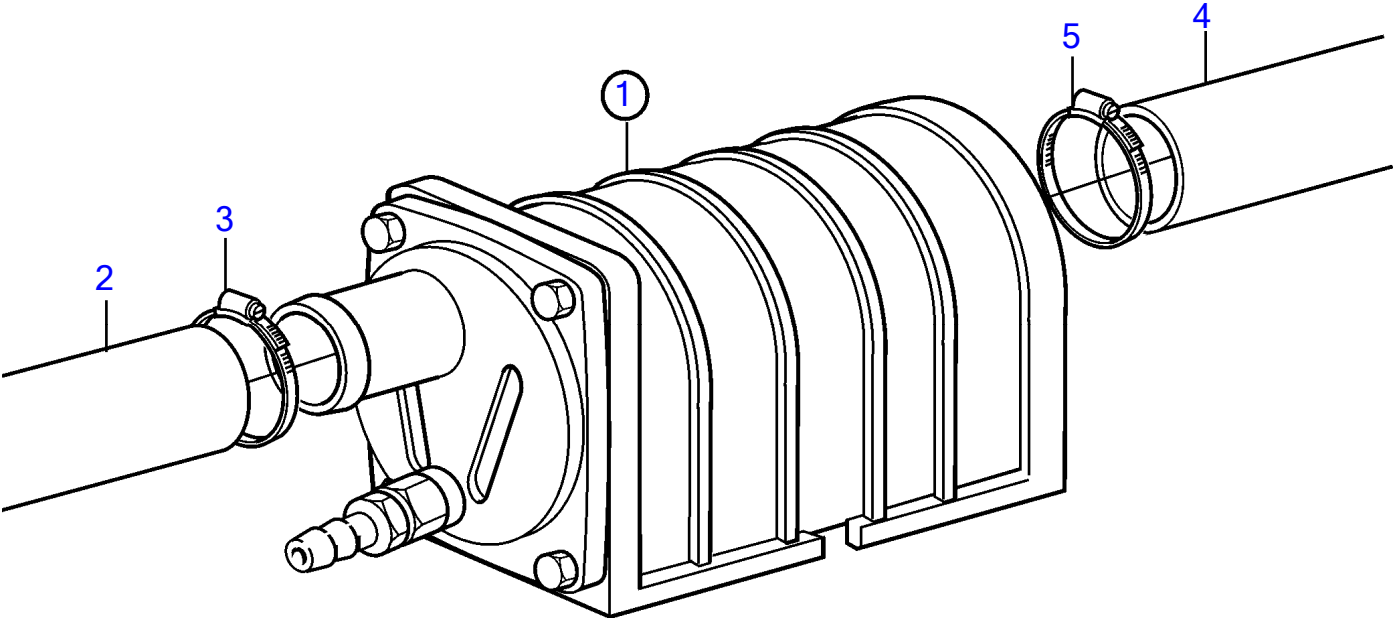


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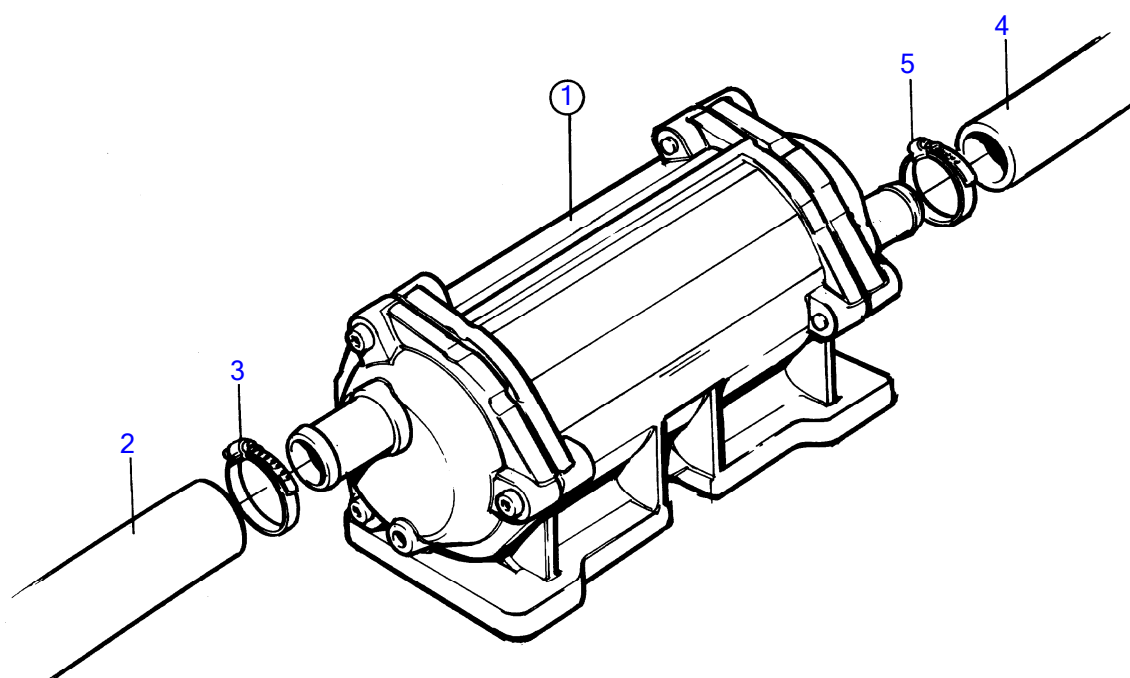
Ref	Part No.	Qty	Description	Notes
1	861600	1	Oil cooler	
			.	
			.	
2	861320	1	Hose	Heat exchanger-oil cooler.
3	994560	1	Hose clamp	
4	860997	1	Hose	Sea water pump-oil cooler.
5	994560	1	Hose clamp	



Ref	Part No.	Qty	Description	Notes
1	860633	1	Oil cooler	Repl by 861600
			.	
			.	
2	861320	1	Hose	Heat exchanger-oil cooler.
3	994560	1	Hose clamp	
4	860997	1	Hose	Sea water pump-oil cooler.
5	994560	1	Hose clamp	

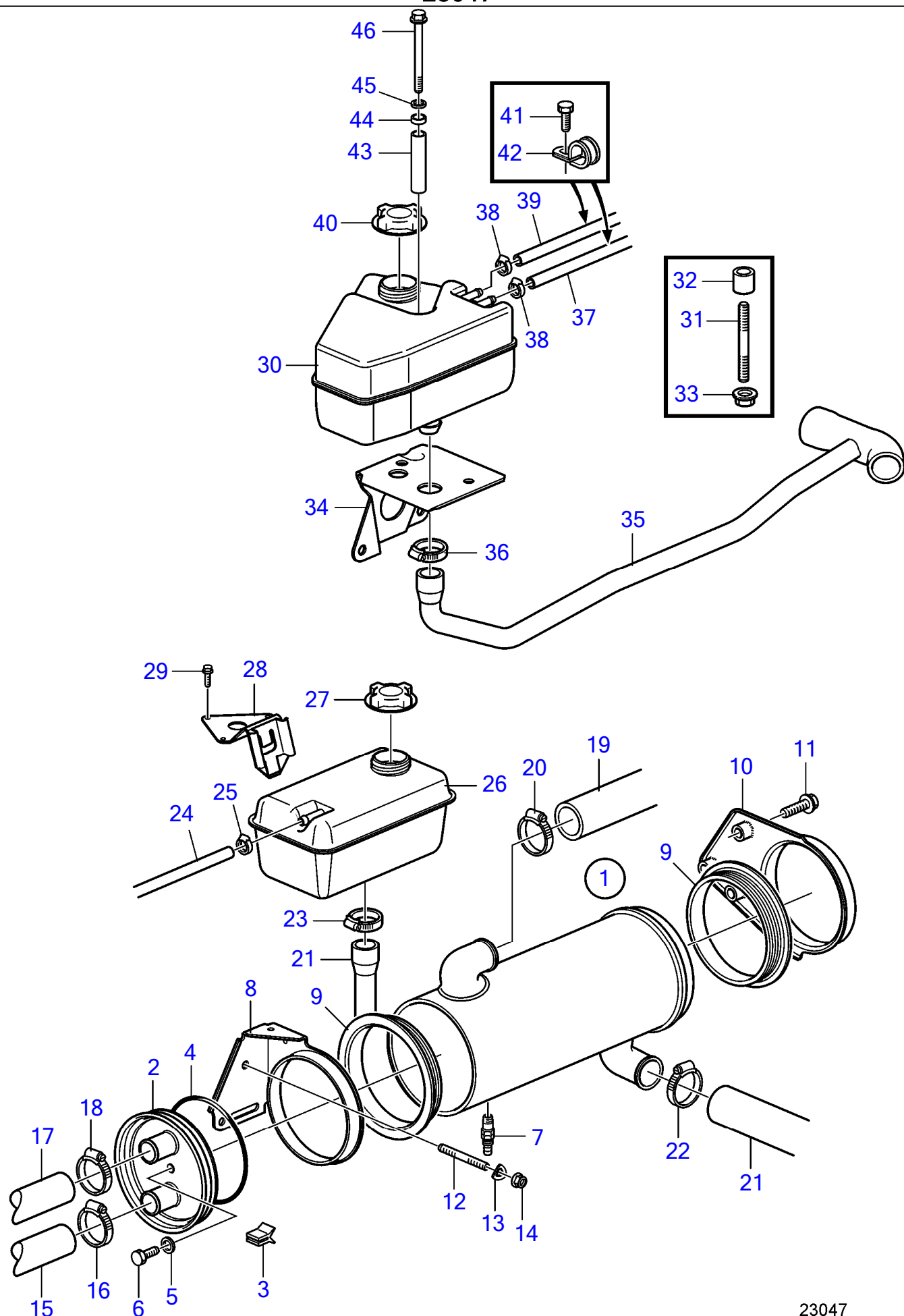


Ref	Part No.	Qty	Description	Notes
1	860635	1	Oil cooler	Repl by 861601
			.	
			.	
2	860643	1	Hose	Heat exchanger-oil cooler.
3	994560	1	Hose clamp	
4	860997	1	Hose	Sea water pump-oil cooler.
5	994560	1	Hose clamp	

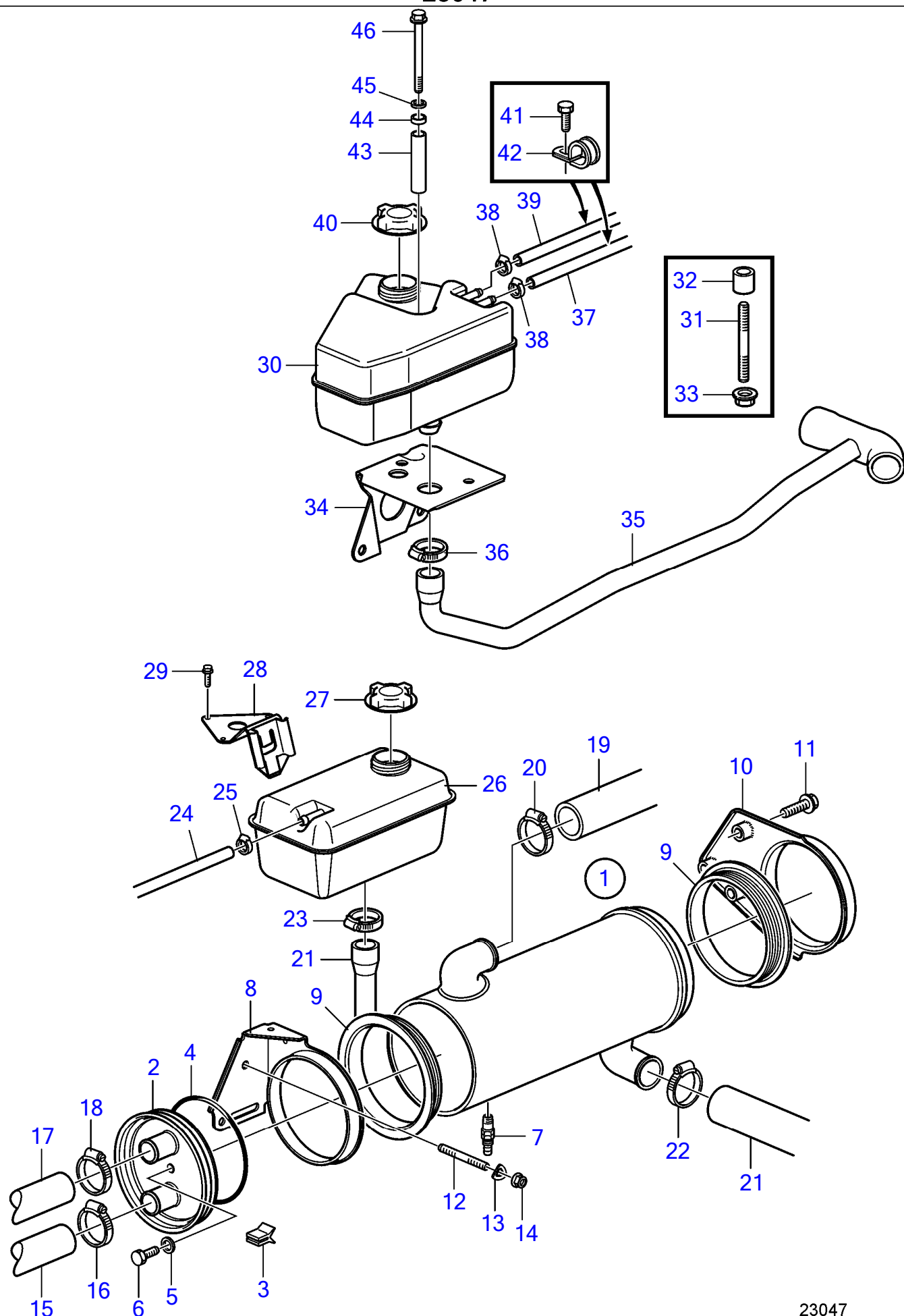


15583

Ref	Part No.	Qty	Description	Notes
1	861601	1	Oil cooler	
			.	
			.	
2	860643	1	Hose	Heat exchanger-oil cooler.
3	994560	1	Hose clamp	
4	860997	1	Hose	Sea water pump-oil cooler.
5	994560	1	Hose clamp	

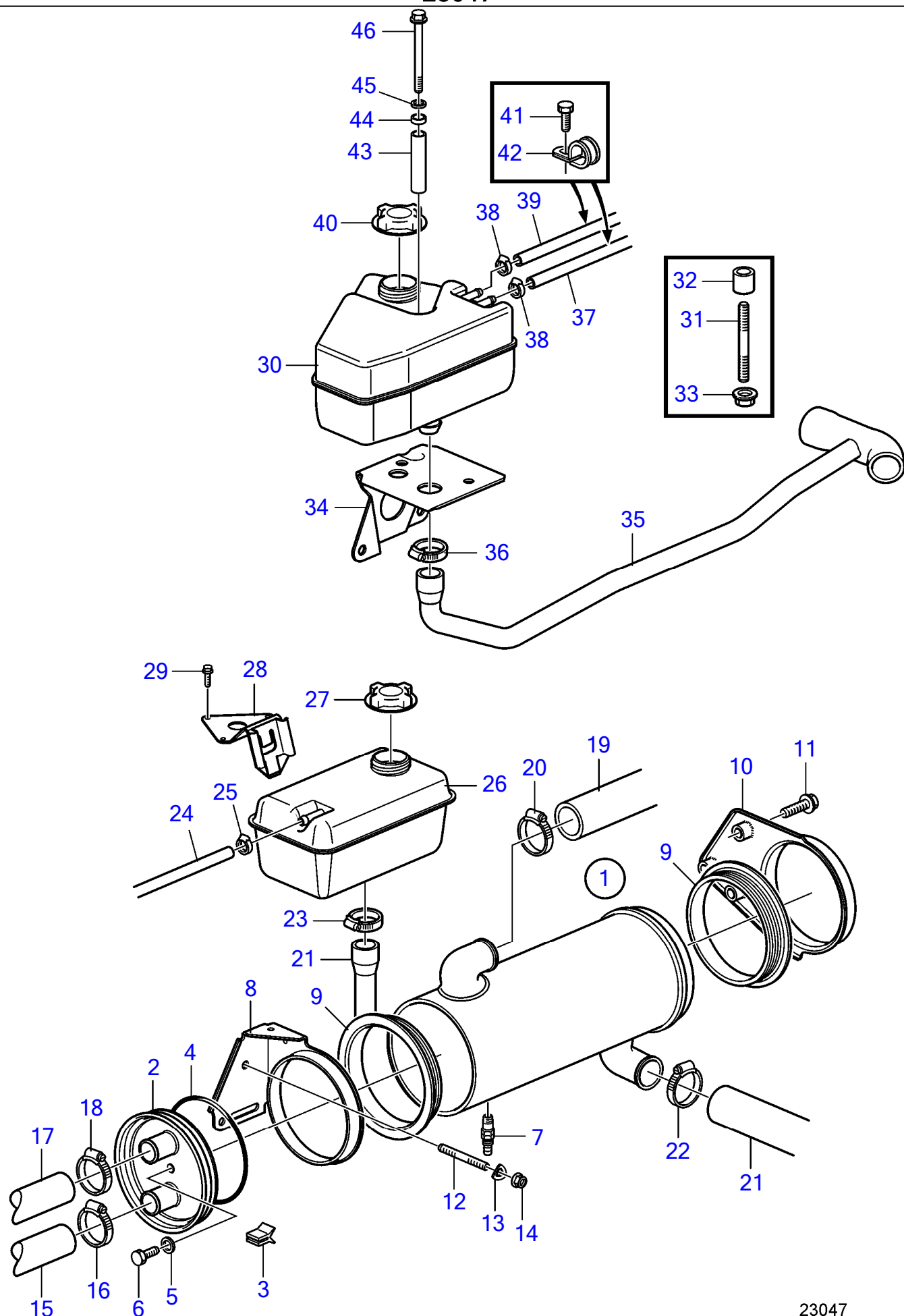


Ref	Part No.	Qty	Description	Notes
1	3586704	1	Heat exchanger	
2	861308	1	• Cap	
3	860127	3	• Sealing strip	
4	925027	1	• O-ring	
5	964106	1	• Gasket	
6	963567	1	• Hexagon screw	
7	949918	1	• Shut-off cock	
8	3580719	1	Bracket	
9	838733	2	Support ring	
10	3580717	1	Bracket	
11	965185	3	Flange screw	
12	953003	1	Stud	L=130mm
	953007	1	Stud	L=150mm
13	941908	2	Spring washer	
14	971095	2	Flange nut	
15	861320	1	Hose	Heat exchanger-oil cooler.
16	994560	1	Hose clamp	
17	944386	X	Rubber hose	Heat exchanger-exhaust riser., L=370mm
18	994560	1	Hose clamp	
19	861111	1	Hose	Thermostat housing-heat exchanger.
20	994562	1	Hose clamp	
21	861279	1	Hose	
22	943478	2	Hose clamp	
23	994559	1	Hose clamp	
24	942700	X	Hose	L=300mm
25	945652	1	Hose clamp	
26	861105	1	Expansion tank	For earlier version of expansion tank.
			• Bulletin P-18-4-4	Coolant Recommendations for Gas Engines
			• Bulletin p-26-1-7	Coolant Capacity, FWC Gas Engines
27	1674083	1	Pressure cap	
28	3582348	1	Bracket	
29	946544	3	Flange screw	
30	3580941	1	Expansion tank	For later version of expansion tank.
31	953003	1	Stud	
	953005	1	Stud	
	980835	1	Stud	
32	849845	1	Spacer sleeve	
33	971095	3	Flange nut	
34	3581039	1	Bracket	TAMD31M-A, TAMD31P-A,
35	3581097	1	Hose	Heat exchanger-expansion tank-water pump.
36	994559	1	Hose clamp	
37	942700	X	Hose	Expansion tank-thermostat housing., L=440mm
38	945652	2	Hose clamp	
39	942700	X	Hose	Expansion tank-Turbo., L=580mm
40	1674083	1	Pressure cap	
41	967949	2	Flange screw	
42	952627	2	Clamp	
43	3581032	1	Spacer sleeve	
44	3285120	1	Spacer sleeve	
45	976944	1	Washer	
46	968999	1	Flange screw	

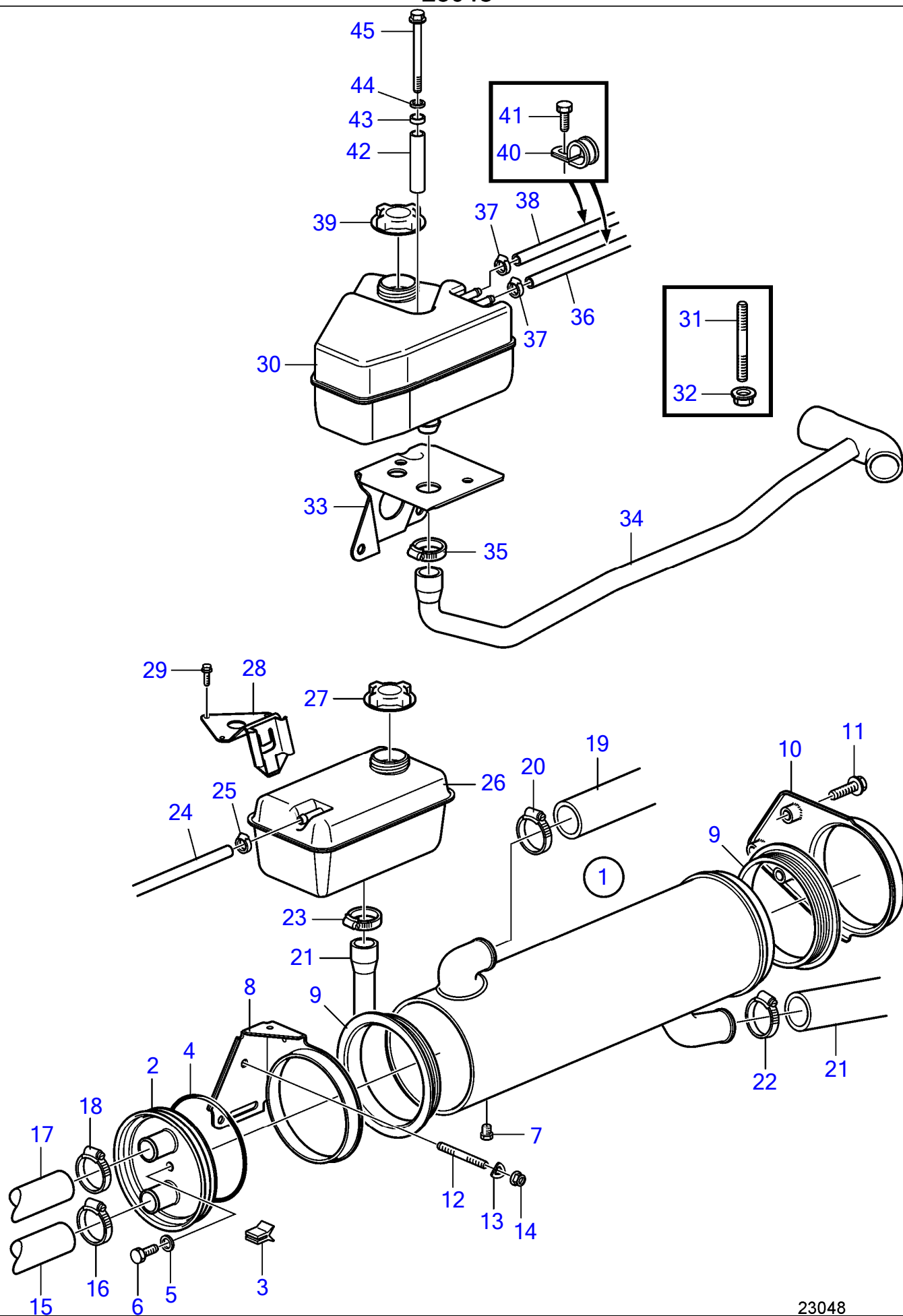


26 Heat Exchanger: B
TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A

Ref	Part No.	Qty	Description	Notes
1	3586704	1	Heat exchanger	
2	861308	1	• Cap	
3	860127	3	• Sealing strip	
4	925027	1	• O-ring	
5	964106	1	• Gasket	
6	963567	1	• Hexagon screw	
7	949918	1	• Shut-off cock	
8	3580719	1	Bracket	
9	838733	2	Support ring	
10	3580717	1	Bracket	
11	965185	3	Flange screw	
12	953003	1	Stud	L=130mm
	953007	1	Stud	L=150mm
13	941908	2	Spring washer	
14	971095	2	Flange nut	
15	860645	1	Hose	Heat exchanger-after cooler.
16	994560	1	Hose clamp	
17	860828	1	Hose	Heat exchanger-exhaust riser.
18	994560	1	Hose clamp	
19	861111	1	Hose	Thermostat housing-heat exchanger.
20	994562	1	Hose clamp	
21	861279	1	Hose	
22	943478	2	Hose clamp	
23	994559	1	Hose clamp	
24	942700	X	Hose	L=300mm
25	945652	1	Hose clamp	
26	861105	1	Expansion tank	For earlier version of expansion tank.
			• Bulletin P-18-4-4	Coolant Recommendations for Gas Engines
			• Bulletin p-26-1-7	Coolant Capacity, FWC Gas Engines
27	1674083	1	Pressure cap	
28	3582348	1	Bracket	
29	946544	3	Flange screw	
30	3580941	1	Expansion tank	For later version of expansion tank.
31	953003	1	Stud	
	953005	1	Stud	
	980835	1	Stud	
32	849845	1	Spacer sleeve	
33	971095	3	Flange nut	
34	3581039	1	Bracket	TAMD31M-A, TAMD31P-A,
35	3581097	1	Hose	Heat exchanger-expansion tank-water pump.
36	994559	1	Hose clamp	
37	942700	X	Hose	Expansion tank-thermostat housing., L=440mm
38	945652	2	Hose clamp	
39	942700	X	Hose	Expansion tank-Turbo., L=580mm
40	1674083	1	Pressure cap	
41	967949	2	Flange screw	
42	952627	2	Clamp	
43	3581032	1	Spacer sleeve	
44	3285120	1	Spacer sleeve	
45	976944	1	Washer	
46	968999	1	Flange screw	



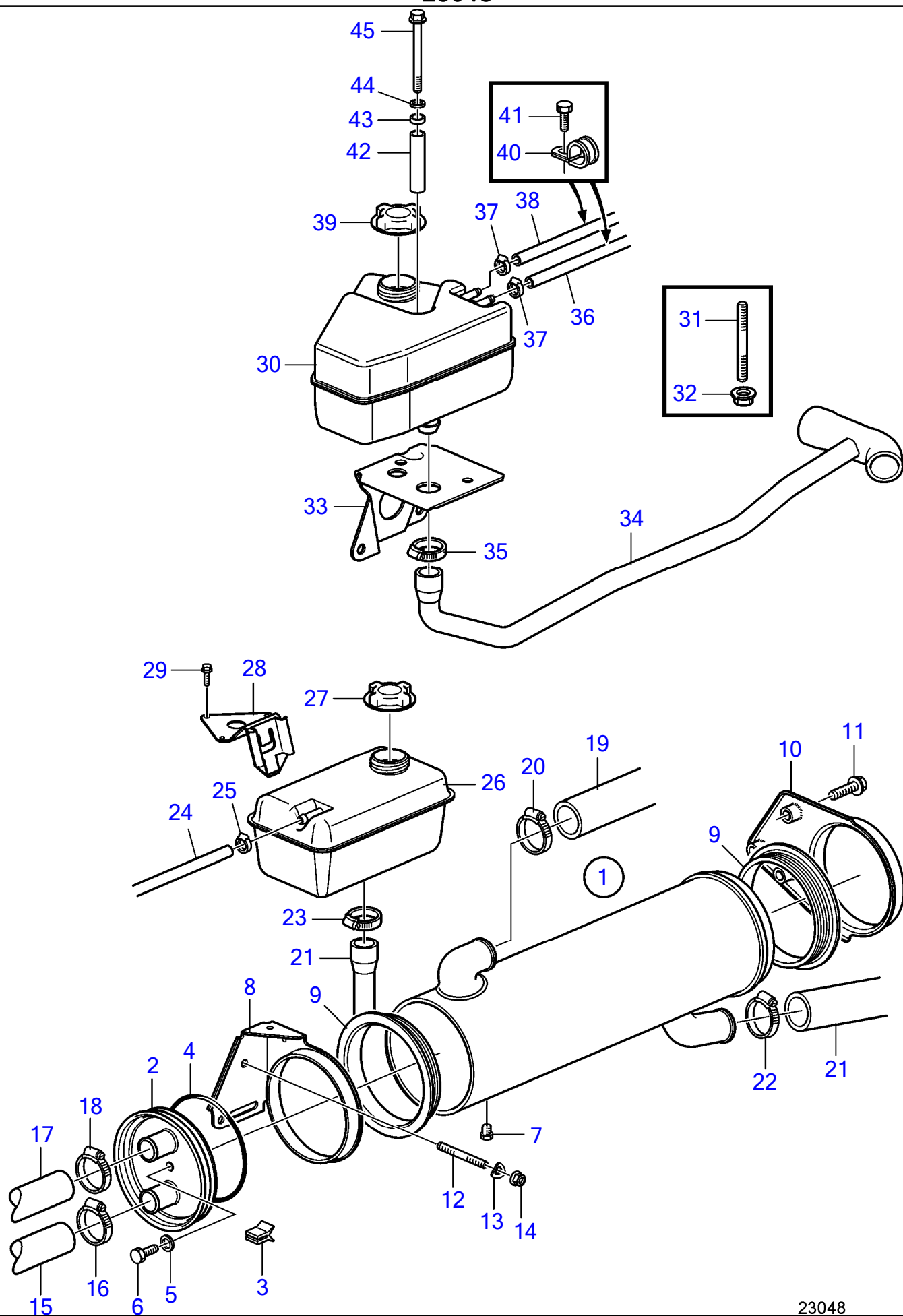
Ref	Part No.	Qty	Description	Notes
1	3586704	1	Heat exchanger	
2	861308	1	• Cap	
3	860127	3	• Sealing strip	
4	925027	1	• O-ring	
5	964106	1	• Gasket	
6	963567	1	• Hexagon screw	
7	949918	1	• Shut-off cock	
8	3580719	1	Bracket	
9	838733	2	Support ring	
10	3580717	1	Bracket	
11	965185	3	Flange screw	
12	953003	1	Stud	L=130mm
	953007	1	Stud	L=150mm
13	941908	2	Spring washer	
14	971095	2	Flange nut	
15	860645	1	Hose	Heat exchanger-after cooler.
16	994560	1	Hose clamp	
17	860828	1	Hose	Heat exchanger-exhaust riser.
18	994560	1	Hose clamp	
19	861111	1	Hose	Thermostat housing-heat exchanger.
20	994562	1	Hose clamp	
21	861279	1	Hose	
22	943478	2	Hose clamp	
23	994559	1	Hose clamp	
24	942700	X	Hose	L=300mm
25	945652	1	Hose clamp	
26	861105	1	Expansion tank	For earlier version of expansion tank.
			• Bulletin P-18-4-4	Coolant Recommendations for Gas Engines
			• Bulletin p-26-1-7	Coolant Capacity, FWC Gas Engines
27	1674083	1	Pressure cap	
28	3582348	1	Bracket	
29	946544	3	Flange screw	
30	3580941	1	Expansion tank	For later version of expansion tank.
31	953003	1	Stud	
	953005	1	Stud	
	980835	1	Stud	
32	849845	1	Spacer sleeve	
33	971095	3	Flange nut	
35	3581097	1	Hose	Heat exchanger-expansion tank-water pump.
36	994559	1	Hose clamp	
37	942700	X	Hose	Expansion tank-thermostat housing., L=440mm
38	945652	2	Hose clamp	
39	942700	X	Hose	Expansion tank-Turbo., L=580mm
40	1674083	1	Pressure cap	
41	967949	2	Flange screw	
42	952627	2	Clamp	
43	3581032	1	Spacer sleeve	
44	3285120	1	Spacer sleeve	
45	976944	1	Washer	
46	968999	1	Flange screw	



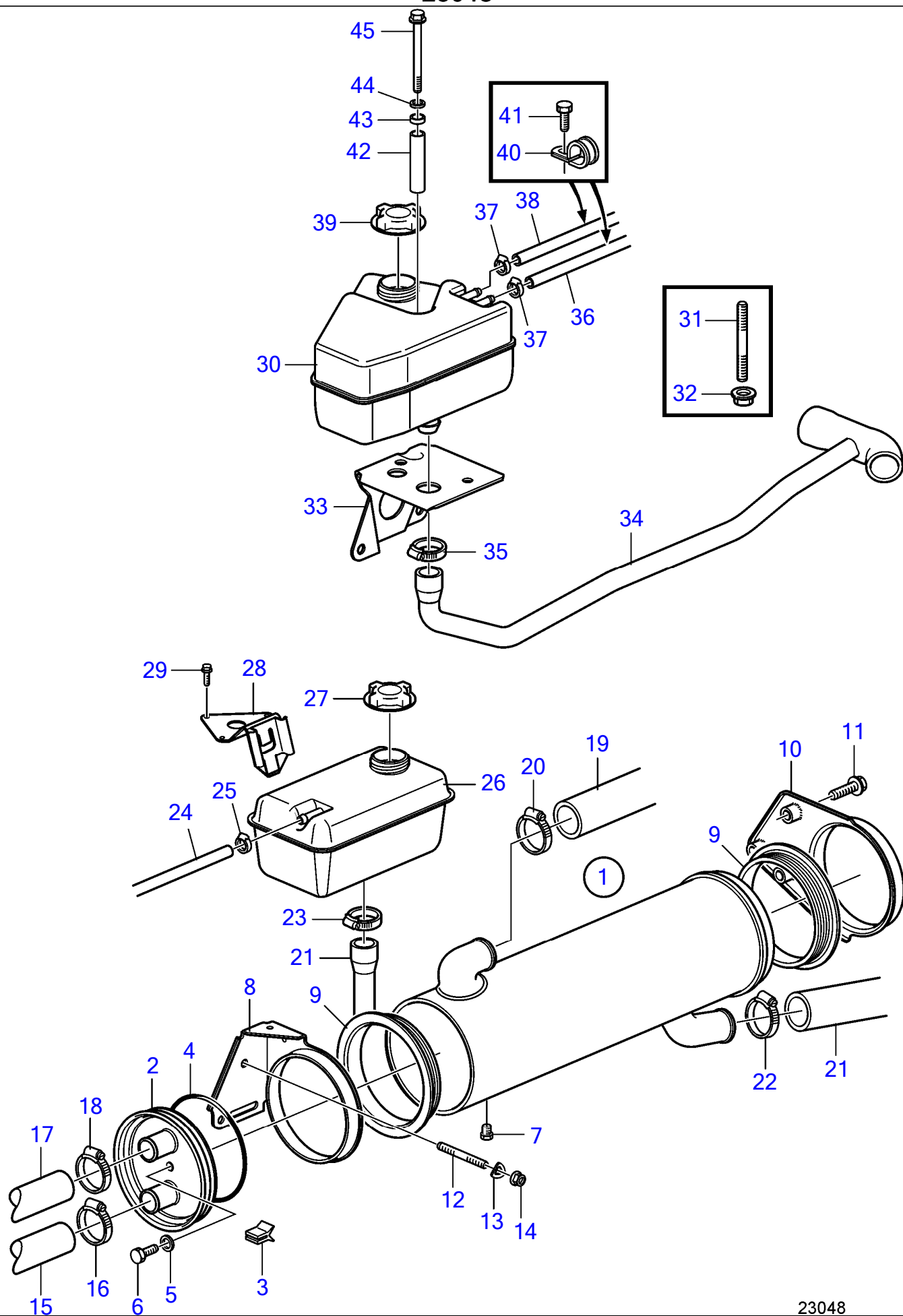
26 Heat Exchanger: A

TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

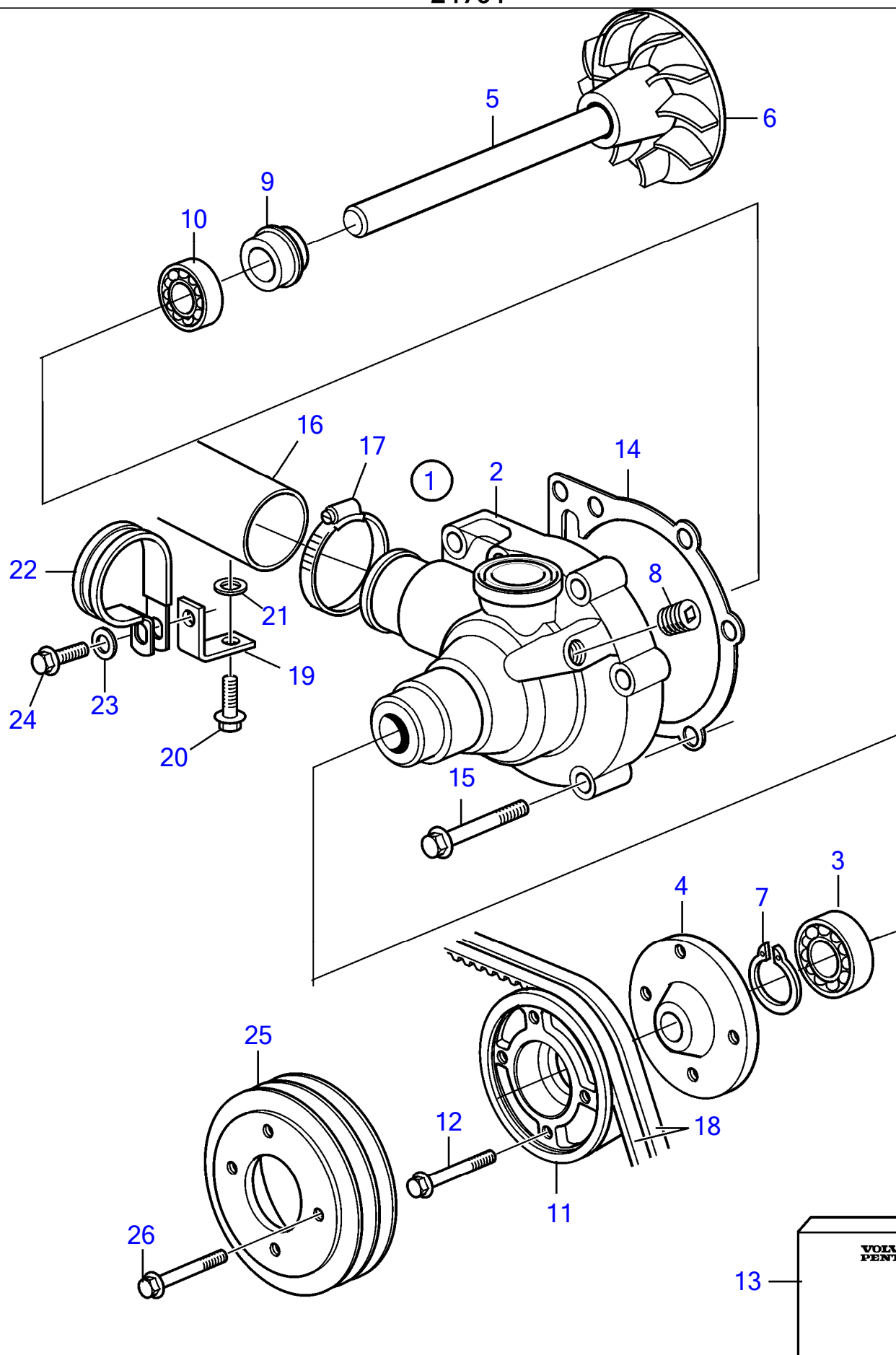
Ref	Part No.	Qty	Description	Notes
1	861082	1	Heat exchanger	
			• Bulletin 44-41	New silencer kit for KAD/KAMD42-A
2	861308	1	• Cap	
3	860127	3	• Sealing strip	
4	925027	1	• O-ring	
5	964106	1	• Gasket	
6	963567	1	• Hexagon screw	
7	861551	1	• Plug	
8	3580719	1	Bracket	
9	838733	2	Support ring	
10	3580717	1	Bracket	
11	965185	3	Flange screw	
12	953003	1	Stud	L=130mm
	953007	1	Stud	L=150mm
13	941908	2	Spring washer	
14	971095	2	Flange nut	
15	860643	1	Hose	Heat exchanger-oil cooler.
16	994560	1	Hose clamp	
17	944386	X	Rubber hose	Heat exchanger-exhaust riser., L=370mm
18	994560	1	Hose clamp	
19	861110	1	Hose	Thermostat housing-heat exchanger.
20	994562	1	Hose clamp	
21	861113	1	Hose	
22	943478	2	Hose clamp	
23	994559	1	Hose clamp	
24	942700	X	Hose	L=300mm
25	945652	1	Hose clamp	
26	861105	1	Expansion tank	For earlier version of expansion tank.
			• Bulletin P-18-4-4	Coolant Recommendations for Gas Engines
			• Bulletin p-26-1-7	Coolant Capacity, FWC Gas Engines
27	1674083	1	Pressure cap	
28	3582348	1	Bracket	
29	946544	3	Flange screw	
30	3580941	1	Expansion tank	For later version of expansion tank.
31	953003	1	Stud	
	953005	1	Stud	
	980835	1	Stud	
32	971095	3	Flange nut	
33	3581039	1	Bracket	
34	3581098	1	Hose	Heat exchanger-expansion tank-water pump.
35	994559	1	Hose clamp	
36	942700	X	Hose	Expansion tank-thermostat housing., L=660mm
37	945652	2	Hose clamp	
38	942700	X	Hose	Expansion tank-Turbo., L=580mm
39	1674083	1	Pressure cap	
40	952627	2	Clamp	
41	967949	2	Flange screw	
42	3581032	1	Spacer sleeve	
43	3285120	1	Spacer sleeve	
44	976944	1	Washer	
45	968999	1	Flange screw	



D41L-A				
Ref	Part No.	Qty	Description	Notes
1	861082	1	Heat exchanger	New silencer kit for KAD/KAMD42-A
			• Bulletin 44-41	
2	861308	1	• Cap	
3	860127	3	• Sealing strip	
4	925027	1	• O-ring	
5	964106	1	• Gasket	
6	963567	1	• Hexagon screw	
7	861551	1	• Plug	
8	3580719	1	Bracket	
9	838733	2	Support ring	
10	3580717	1	Bracket	L=130mm L=150mm
11	965185	3	Flange screw	
12	953003	1	Stud	
	953007	1	Stud	
13	941908	2	Spring washer	
14	971095	2	Flange nut	
15	860645	1	Hose	
16	994560	1	Hose clamp	
17	944386	X	Rubber hose	
18	994560	1	Hose clamp	Heat exchanger-exhaust riser., L=370mm Thermostat housing-heat exchanger. L=300mm
19	861110	1	Hose	
20	994562	1	Hose clamp	
21	861113	1	Hose	
22	943478	2	Hose clamp	
23	994559	1	Hose clamp	
24	942700	X	Hose	
25	945652	1	Hose clamp	
26	861105	1	Expansion tank	
			• Bulletin P-18-4-4	For earlier version of expansion tank. Coolant Recommendations for Gas Engines Coolant Capacity, FWC Gas Engines
			• Bulletin p-26-1-7	
27	1674083	1	Pressure cap	
28	3582348	1	Bracket	
29	946544	3	Flange screw	
30	3580941	1	Expansion tank	
31	953003	1	Stud	
	953005	1	Stud	
	980835	1	Stud	
32	971095	3	Flange nut	
33	3581039	1	Bracket	Heat exchanger-expansion tank-water pump. Expansion tank-thermostat housing., L=660mm Expansion tank-Turbo., L=580mm
34	3581098	1	Hose	
35	994559	1	Hose clamp	
36	942700	X	Hose	
37	945652	2	Hose clamp	
38	942700	X	Hose	
39	1674083	1	Pressure cap	
40	952627	2	Clamp	
41	967949	2	Flange screw	
42	3581032	1	Spacer sleeve	
43	3285120	1	Spacer sleeve	
44	976944	1	Washer	
45	968999	1	Flange screw	



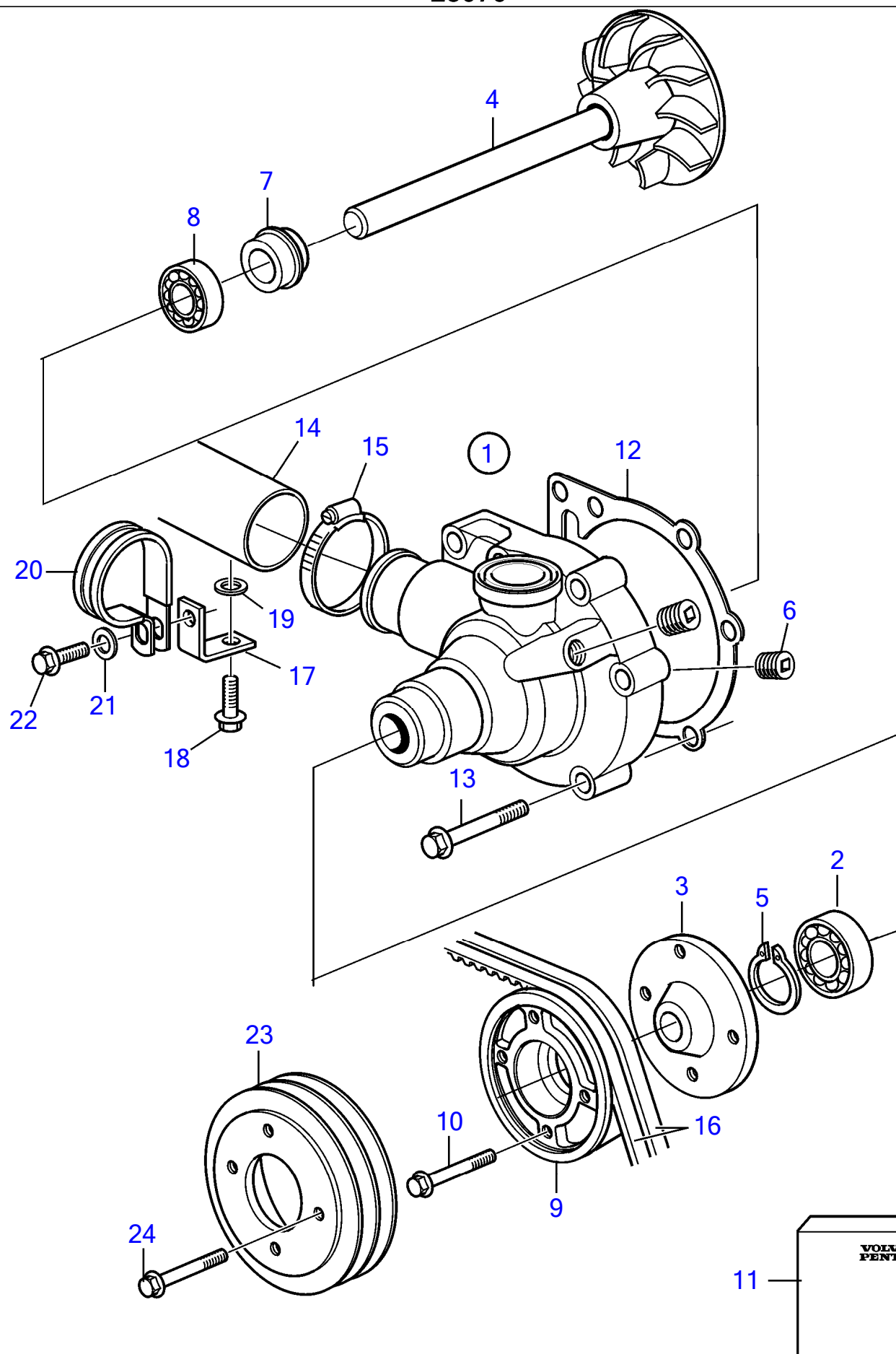
Ref	Part No.	Qty	Description	Notes
1	861082	1	Heat exchanger	New silencer kit for KAD/KAMD42-A
			• Bulletin 44-41	
2	861308	1	• Cap	
3	860127	3	• Sealing strip	
4	925027	1	• O-ring	
5	964106	1	• Gasket	
6	963567	1	• Hexagon screw	
7	861551	1	• Plug	
8	3580719	1	Bracket	
9	838733	2	Support ring	
10	3580717	1	Bracket	L=130mm L=150mm
11	965185	3	Flange screw	
12	953003	1	Stud	
	953007	1	Stud	
13	941908	2	Spring washer	Heat exchanger-oil cooler., D41L Heat exchanger-after cooler., AD41P, AD41L
14	971095	2	Flange nut	
15	860643	1	Hose	Heat exchanger-exhaust riser., D41L Heat exchanger-exhaust riser., AD41P, AD41L, std Heat exchanger-exhaust riser., For universal joint shaft installations, L=335mm
	860645	1	Hose	
16	994560	1	Hose clamp	
17	860828	1	Hose	
	860828	1	Hose	Thermostat housing-heat exchanger.
	944386	X	Rubber hose	
18	994560	1	Hose clamp	
19	861110	1	Hose	
20	994562	1	Hose clamp	L=300mm
21	861113	1	Hose	
22	943478	2	Hose clamp	
23	994559	1	Hose clamp	
24	942700	X	Hose	For earlier version of expansion tank. Coolant Recommendations for Gas Engines Coolant Capacity, FWC Gas Engines
25	945652	1	Hose clamp	
26	861105	1	Expansion tank	
			• Bulletin P-18-4-4	
			• Bulletin p-26-1-7	For later version of expansion tank.
27	1674083	1	Pressure cap	
28	3582348	1	Bracket	
29	946544	3	Flange screw	
30	3580941	1	Expansion tank	Heat exchanger-expansion tank-water pump.
31	953003	1	Stud	
	953005	1	Stud	
	980835	1	Stud	
32	971095	3	Flange nut	Expansion tank-thermostat housing., L=660mm
33	3581039	1	Bracket	
34	3581098	1	Hose	Expansion tank-Turbo., L=580mm
35	994559	1	Hose clamp	
36	942700	X	Hose	
37	945652	2	Hose clamp	
38	942700	X	Hose	
39	1674083	1	Pressure cap	
40	952627	2	Clamp	
41	967949	2	Flange screw	
42	3581032	1	Spacer sleeve	
43	3285120	1	Spacer sleeve	
44	976944	1	Washer	
45	968999	1	Flange screw	



26 Water Pump

AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A

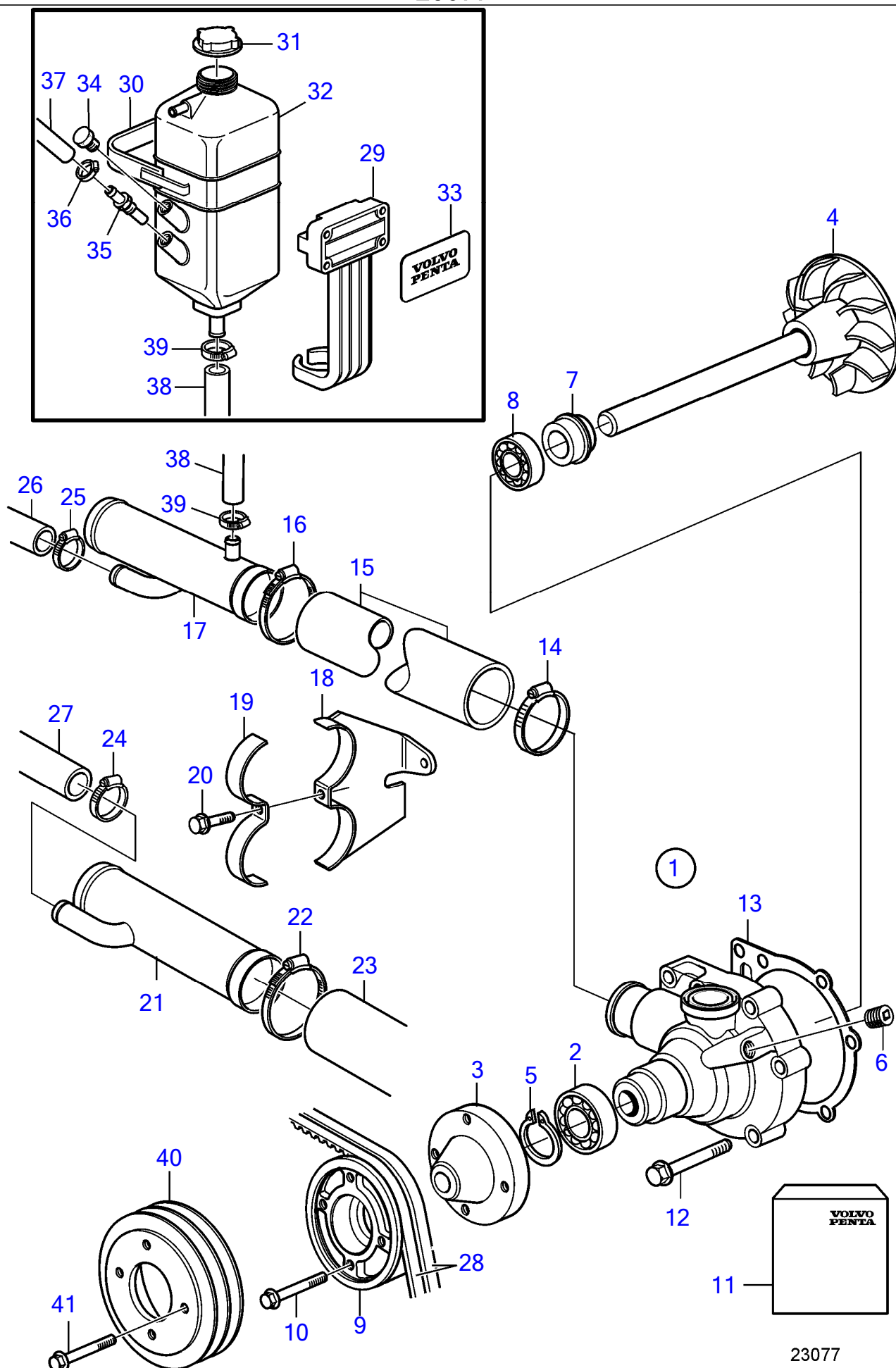
Ref	Part No.	Qty	Description	Notes
1	3580777	1	Water pump	Replaced by 1 pc 3809412, coolant pump, 1 pc 3588383, pulley and 4 pcs 946173,
	3809412	1	Water pump	Replaced by 23059414
	3803869	1	Coolant pump, exch	Replaced by 23059414
	23059414	1	Water pump	
			• Bulletin p-26-2-103	New Circulation Pump and Service Kit
2		1	• Coolant pump housing	
3	(184861)	1	• Ball bearing	Included in overhaul kit., Obsolete part, For water pump 3809412
4	(3588402)	1	• Hub	Obsolete part, Included in overhaul kit., For water pump 3809412
5		1	• Shaft	Included in overhaul kit.
6	3583087	1	• Impeller	Included in overhaul kit., For water pump 3809412
7	914462	1	• Snap ring	Included in overhaul kit.
8	479977	1	• Plug	
9	1676432	1	• Sealing ring	Included in overhaul kit.
10	1660609	1	• Ball bearing	Included in overhaul kit.
11	1542235	1	Pulley	For water pump 3580777
12	946173	4	Flange screw	For water pump 3580777
13	876793	1	Repair kit	For water pump 3580777
	(877385)	1	Repair kit	Obsolete part, For water pump 3809412
	23125501	1	Repair kit	For water pump 23059414
			• Bulletin p-26-2-103	New Circulation Pump and Service Kit
14	859027	1	Gasket	
15	947760	6	Flange screw	
16	861279	1	Hose	Heat exchanger-expansion tank-water pump., For earlier version of expansion tank.
	3581097	1	Hose	Heat exchanger-expansion tank-water pump., For later version of expansion tank.
17	943478	1	Hose clamp	
18	966978	1	V-belt	
19	846780	1	Bracket	
20	965181	1	Flange screw	
21	955894	1	Washer	
22	952635	1	Clamp	
23	955893	1	Washer	
24	948746	1	Flange screw	
25	3588383	1	Pulley	Late type
26	946173	4	Flange screw	Late type



26 Water Pump for Sea Water Cooled Version

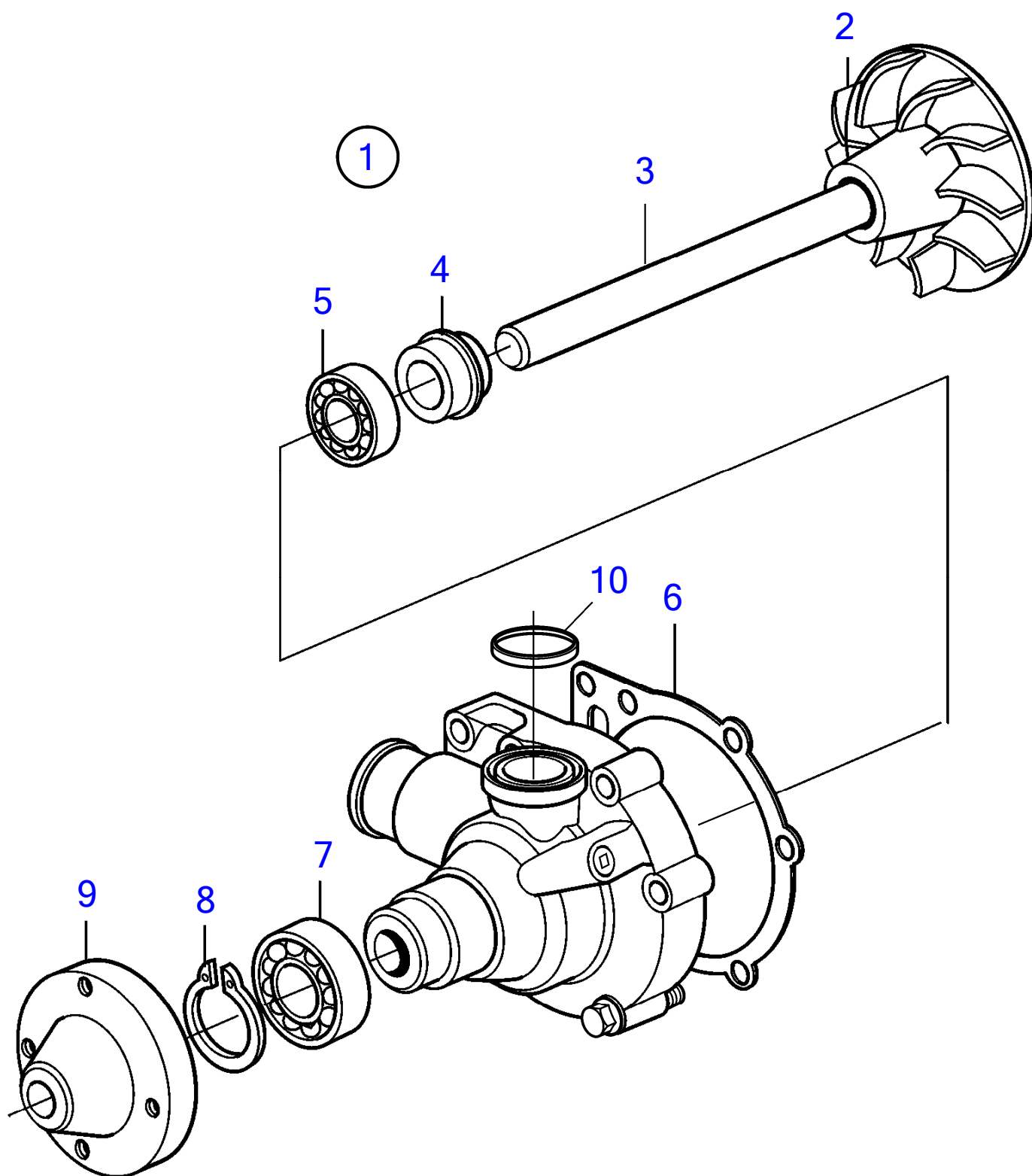
AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

Ref	Part No.	Qty	Description	Notes
1	3580765	1	Water pump	Replaced by 1 pc 3809412, coolant pump, 1 pc 3588383, pulley and 4 pcs 946173, flange
	3809412	1	Water pump	Replaced by 23059414
	3803869	1	Coolant pump, exch	Replaced by 23059414
	23059414	1	Water pump	
			• Bulletin p-26-2-103	New Circulation Pump and Service Kit
2	181538	1	• Ball bearing	Included in overhaul kit., Early type
3	860455	1	• Hub	Early type
4		1	• Shaft	Included in overhaul kit., Early type
5	914462	1	• Snap ring	Included in overhaul kit., Early type
6	479977	1	• Plug	Early type
7	1676432	1	• Sealing ring	Included in overhaul kit., Early type
8	1660609	1	• Ball bearing	Included in overhaul kit., Early type
9	1542235	1	Pulley	Early type
10	946173	4	Flange screw	Early type
11	876794	1	Repair kit	
12	859027	1	Gasket	Included in overhaul kit.
13	947760	6	Flange screw	
14	861113	1	Hose	Heat exchanger-expansion tank-water pump., For earlier version of expansion tank.
	3581098	1	Hose	Heat exchanger-expansion tank-water pump., For later version of expansion tank.
15	943478	1	Hose clamp	
16	966978	1	V-belt	
17	846780	1	Bracket	
18	965181	1	Flange screw	See group 21
19	955894	1	Washer	
20	952635	1	Clamp	
21	955893	1	Washer	
22	948746	1	Flange screw	
23	3588383	1	Pulley	Late type
24	946173	4	Flange screw	Late type



26 Water Pump and Expansion Tank for Keel Cooling
TAMD41H-A, TAMD41H-B

Ref	Part No.	Qty	Description	Notes
1	3580765	1	Water pump	Replaced by 1 pc 3809412, coolant pump, 1 pc 3588383, pulley and 4 pcs 946173, flange screw
	3809412	1	Water pump	Replaced by 23059414
	3803869	1	Coolant pump, exch	Replaced by 23059414
	23059414	1	Water pump	
			• Bulletin p-26-2-103	New Circulation Pump and Service Kit
2	181538	1	• Ball bearing	Included in overhaul kit., Early type
3	860455	1	• Hub	Included in overhaul kit., Early type
4		1	• Shaft	Included in overhaul kit., Early type
5	914462	1	• Snap ring	Early type
6	479977	1	• Plug	Included in overhaul kit., Early type
7	1676432	1	• Sealing ring	Early type
8	1660609	1	• Ball bearing	Early type
9	1542235	1	Pulley	Included in overhaul kit., Early type
10	946173	4	Flange screw	Included in overhaul kit., Early type
11	876794	1	Repair kit	
12	947760	6	Flange screw	
13	859027	1	Gasket	Included in overhaul kit.
14	943479	1	Hose clamp	
15	860968	1	Hose	Inlet-water pump.
16	943479	1	Hose clamp	
17	860965	1	Coolant pipe	
18	860969	1	Bracket	
19	(860967)	1	Attaching clamp	Obsolete part
20	946440	1	Flange screw	
21	860966	1	Coolant pipe	
22	943479	1	Hose clamp	
23	860968	1	Hose	Thermostat housing-outlet.
24	994561	1	Hose clamp	
25	994561	1	Hose clamp	
26	861543	1	Hose	Water pump-reverse gear.
27	860645	1	Hose	After cooler-outlet.
28	966978	1	V-belt	
29	843260	1	Bracket	
30	843266	1	Clamp	
31	844624	1	Pressure cap	
32	844062	1	Expansion tank	
33	876234	1	Decal set	
34	947660	1	Plug	
35	843247	1	Connection pipe	
36	994556	1	Hose clamp	
37	943366	X	Rubber hose	Expansion tank-thermostat housing., L=2000mm
38	952969	X	Hose	L=1940mm
39	943472	2	Hose clamp	
40	3588383	1	Pulley	Late type
41	946173	4	Flange screw	Late type

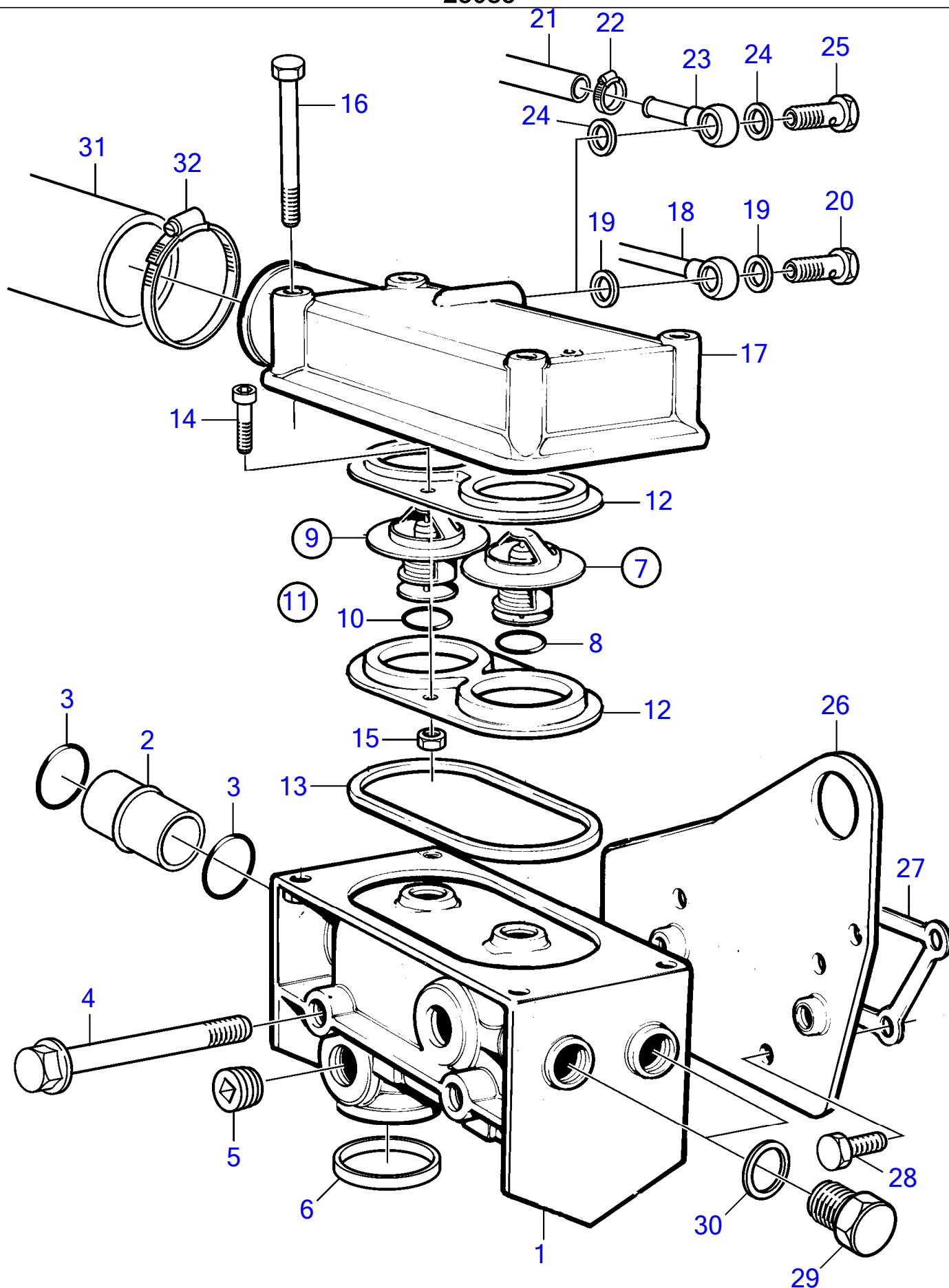


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26 Repair Kit for Waterpump 23059414

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

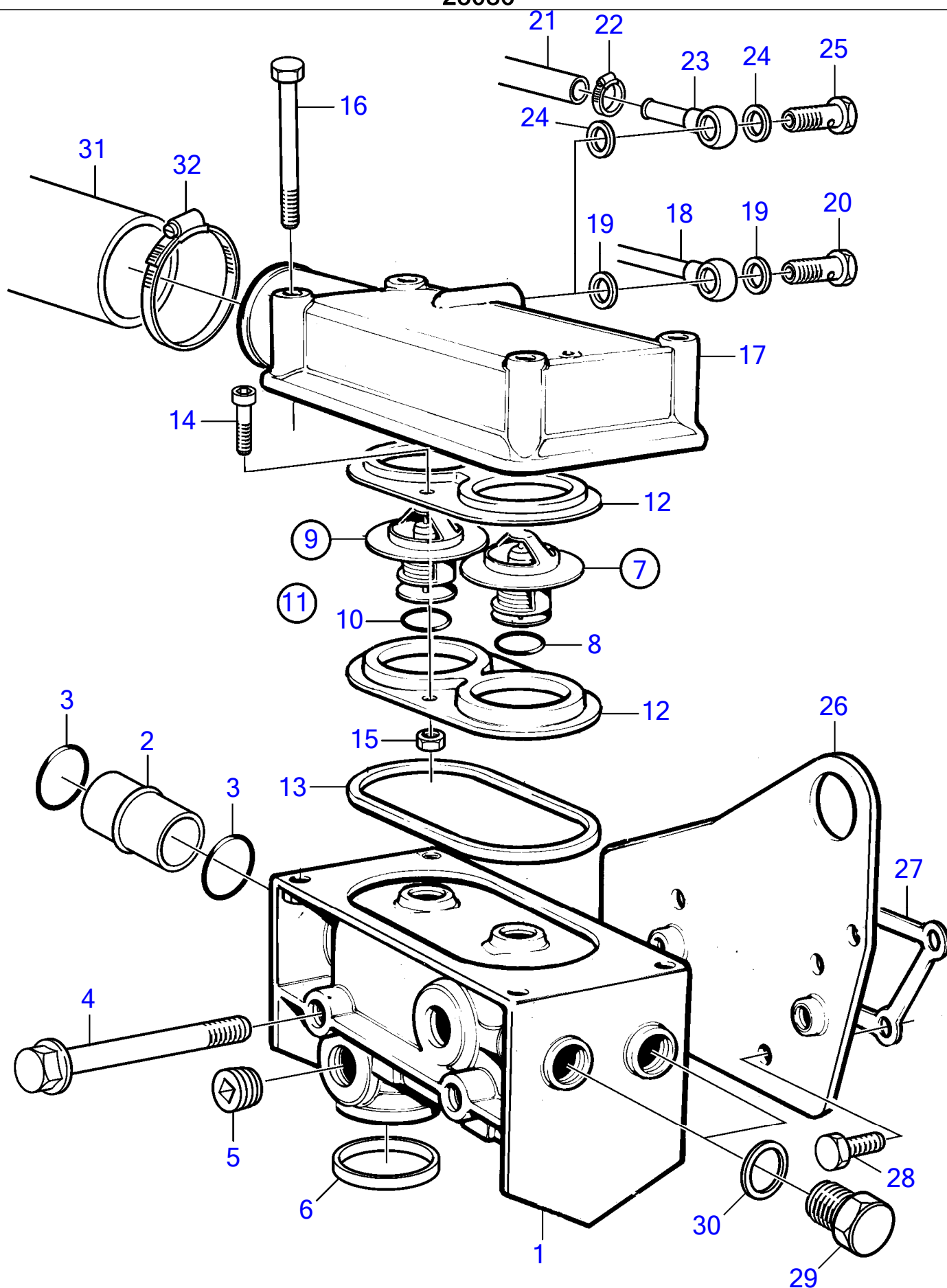
Ref	Part No.	Qty	Description	Notes
1	23125501	1	Repair kit • Bulletin p-26-2-103	New Circulation Pump and Service Kit
2	3583087	1	Impeller	
3		1	Shaft	
4	1676432	1	Sealing ring	
5	1660609	1	Ball bearing	
6	859027	1	Gasket	
7		1		
8	914462	1	Snap ring	
9	(3588402)	1	Hub	Obsolete part
10	3583913	1	Sealing ring	



26 Thermostat Housing

AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A

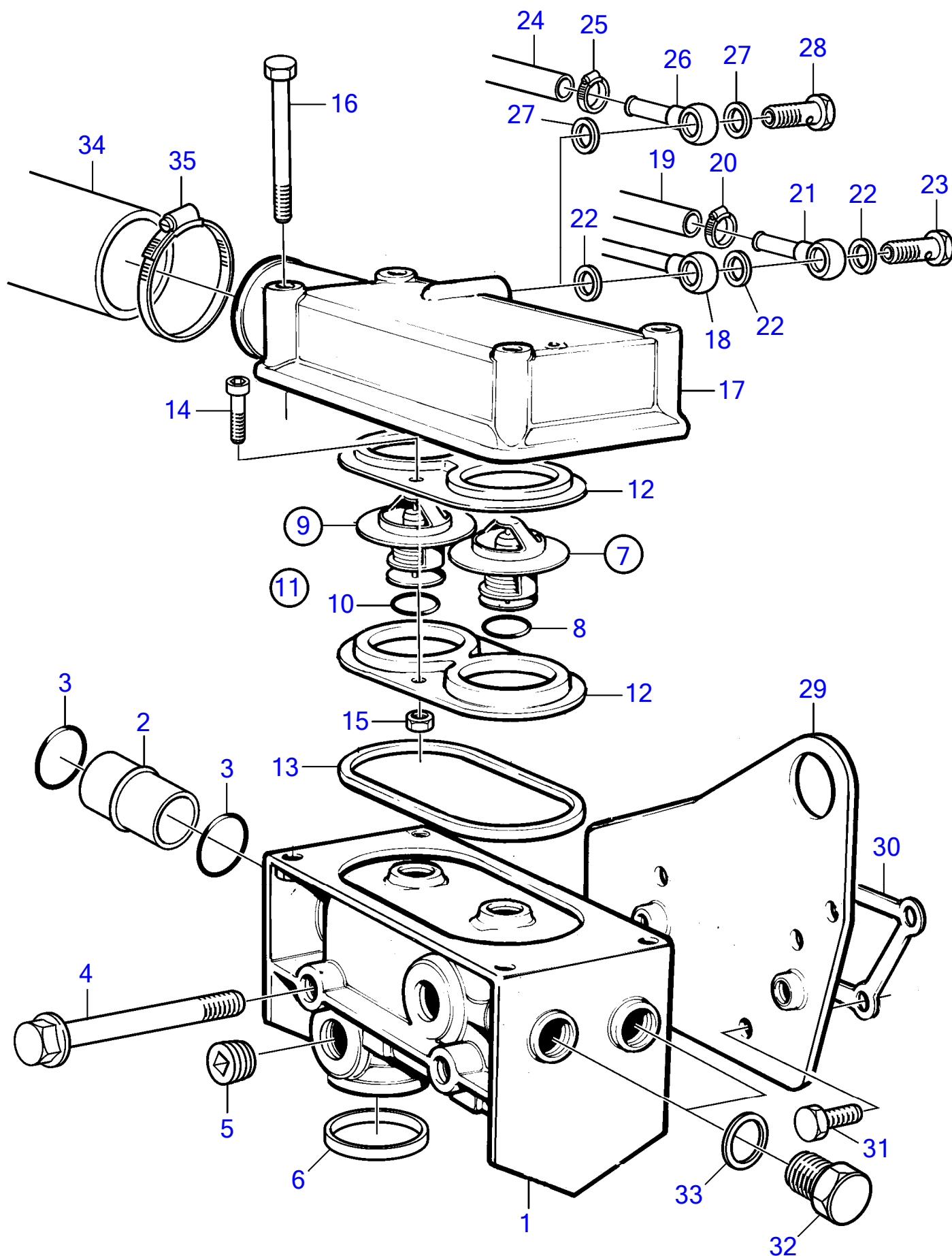
Ref	Part No.	Qty	Description	Notes
1	3583098	1	Thermostat housing	(838704)
2	838739	1	Adapter	
3	968927	2	O-ring	
4	965183	2	Flange screw	
5	479977	2	Plug	
6	3583913	1	Sealing ring	(1542198)
7	3831424	1	Thermostat kit	81°C (876128)
8	416033	1	• Sealing ring	
9	3831424	1	Thermostat kit	81°C (875849)
10	416033	1	• Sealing ring	
11	876145	1	Retainer kit	
12	859229	2	• Retainer	
13	838807	1	• Sealing ring	
14	963554	2	• Hexagon screw	
15	966170	2	• Lock nut	
16	965217	4	Flange screw	
17	860214	1	Air vent hose	
18	942700	1	Hose	Expansion tank-thermostat housing., For earlier version of expansion tank.
19	11994	2	Gasket	
20	969299	1	Hollow screw	
19	11994	2	Gasket	
20	969299	1	Hollow screw	
21	942700	1	Hose	Expansion tank-thermostat housing., For later version of expansion tank., L=440mm
22	945652	1	Hose clamp	
23	858750	1	Banjo nipple	
24	11994	2	Gasket	
25	969299	1	Hollow screw	
26	860518	1	Adapter	
27	1542187	1	Gasket	
28	955295	4	Hexagon screw	
29	960632	1	Plug	
30	11998	1	Gasket	
31	861111	1	Hose	Thermostat housing-heat exchanger.
32	943478	1	Hose clamp	



26 Thermostat Housing

AD41L-A, AD41P-A, D41L-A, TMD41L-A

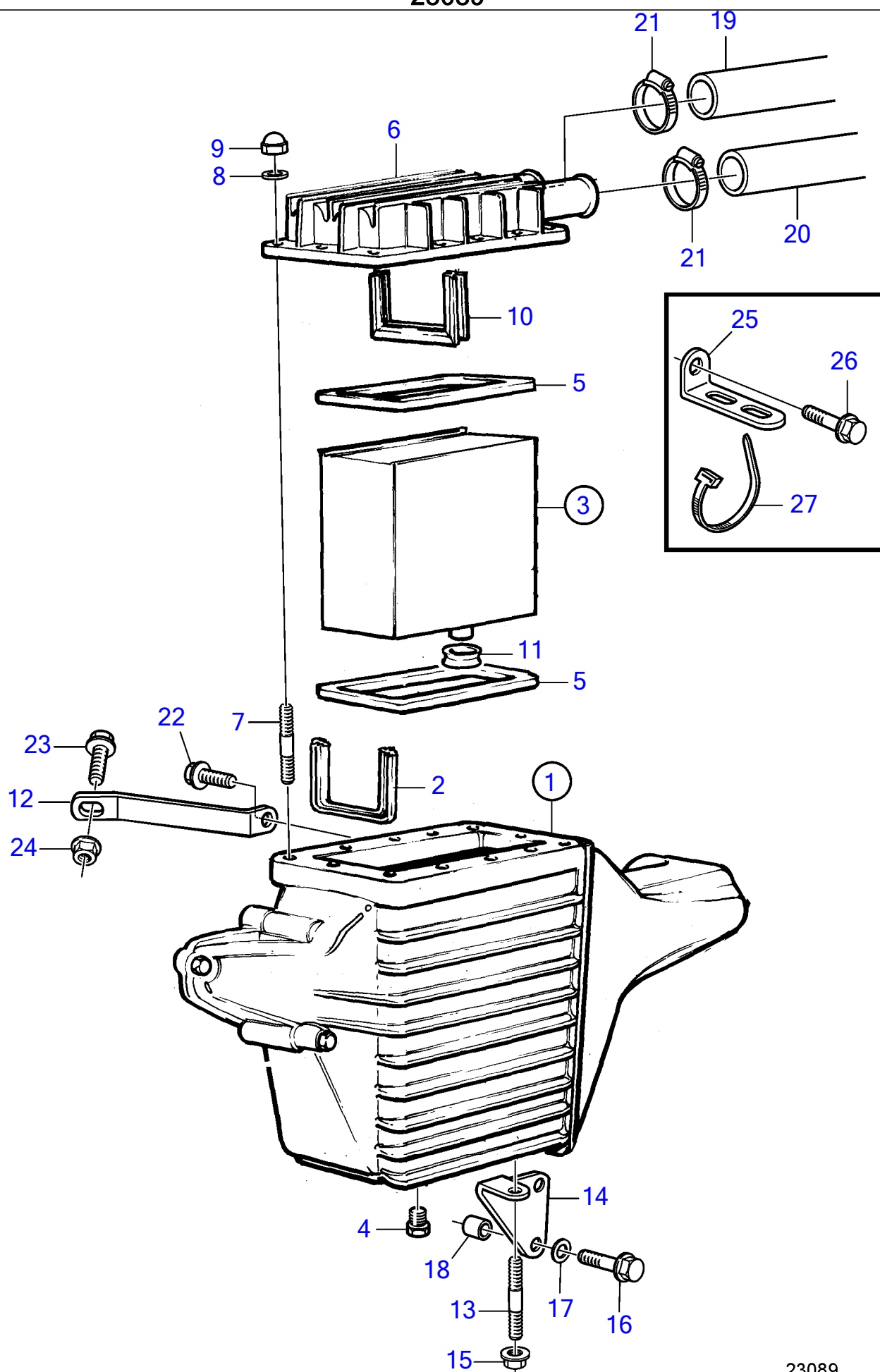
Ref	Part No.	Qty	Description	Notes
1	3583098	1	Thermostat housing	(838704)
2	838739	1	Adapter	
3	968927	2	O-ring	
4	965183	2	Flange screw	
5	479977	2	Plug	
6	3583913	1	Sealing ring	
7	3831424	1	Thermostat kit	81°C (876128)
8	416033	1	• Sealing ring	
9	3831424	1	Thermostat kit	81°C (875849)
10	416033	1	• Sealing ring	
11	876145	1	Retainer kit	
12	859229	2	• Retainer	
13	838807	1	• Sealing ring	
14	963554	2	• Hexagon screw	
15	966170	2	• Lock nut	
16	965217	4	Flange screw	
17	860449	1	Cap	Obsolete part
18	860215	1	Air vent hose	Turbo-thermostat housing., For earlier version of expansion tank.
19	11994	2	Gasket	
20	969299	1	Hollow screw	
21	942700	1	Hose	Expansion tank-thermostat housing., For later version of expansion tank., L=660mm
22	945652	1	Hose clamp	
23	858750	1	Banjo nipple	
24	11994	2	Gasket	
25	969299	1	Hollow screw	
26	860518	1	Adapter	
27	1542187	1	Gasket	
28	955295	4	Hexagon screw	
29	960632	1	Plug	
30	11998	1	Gasket	
31	861110	1	Hose	Thermostat housing-heat exchanger.
32	943478	1	Hose clamp	



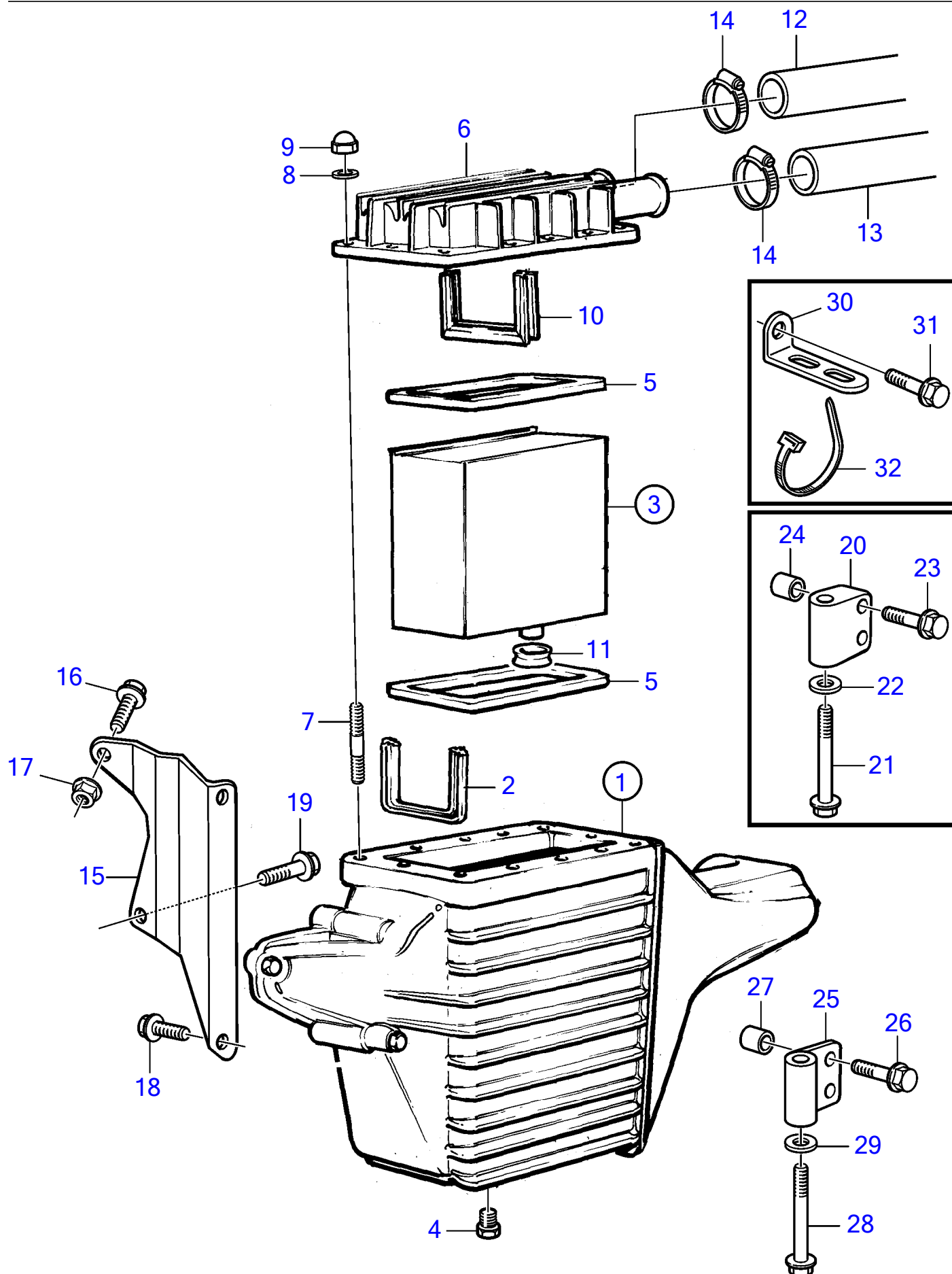
26 Thermostat Housing

TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A

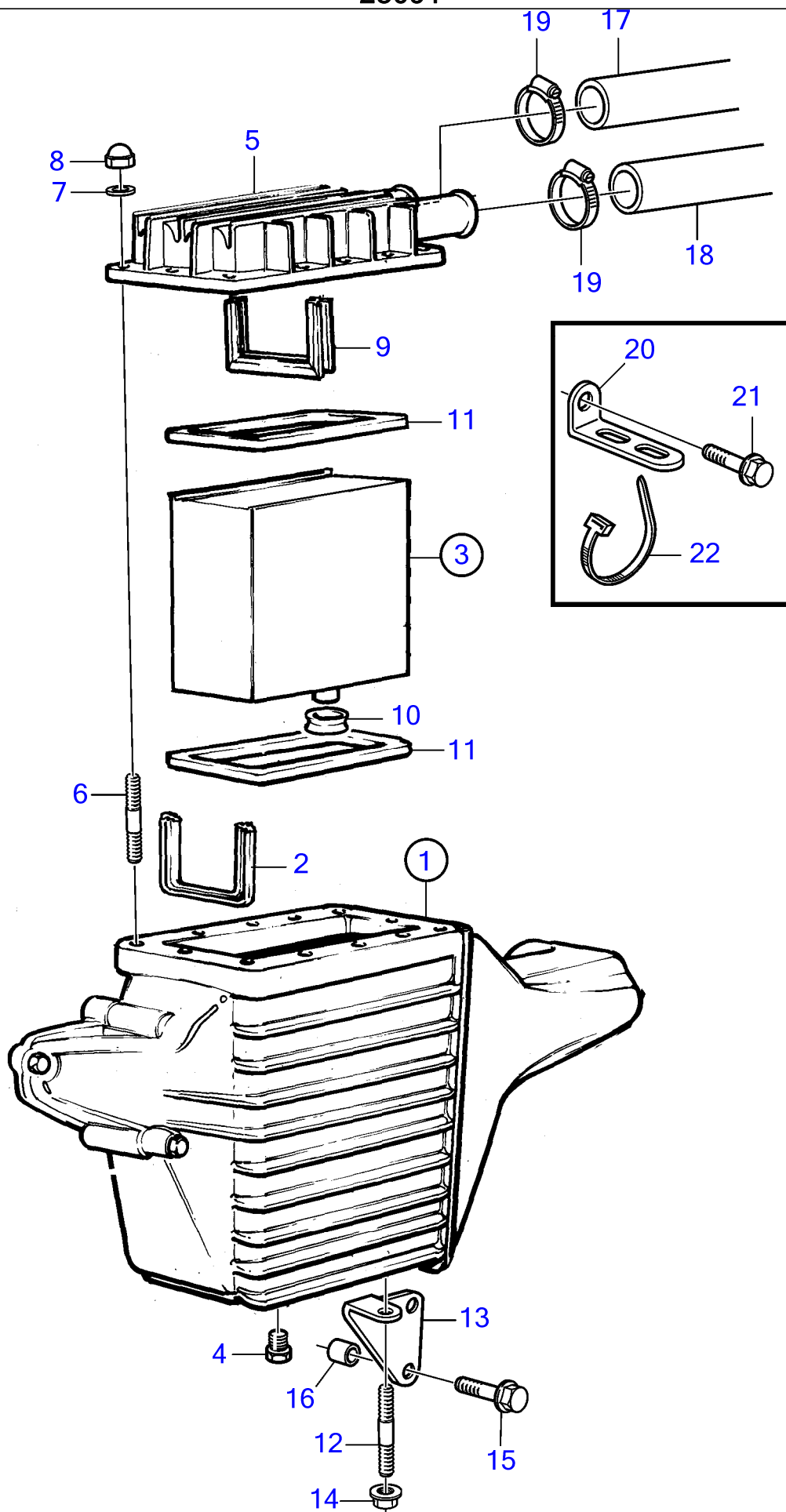
Ref	Part No.	Qty	Description	Notes
1	3583098	1	Thermostat housing	(838704)
2	838739	1	Adapter	
3	968927	2	O-ring	
4	965183	2	Flange screw	
5	479977	2	Plug	
6	3583913	1	Sealing ring	
7	3831424	1	Thermostat kit	81°C (876128)
8	416033	1	• Sealing ring	
9	3831424	1	Thermostat kit	81°C (875849)
10	416033	1	• Sealing ring	
11	876145	1	Retainer kit	
12	859229	2	• Retainer	
13	838807	1	• Sealing ring	
14	963554	2	• Hexagon screw	
15	966170	2	• Lock nut	
16	965217	4	Flange screw	
17	860449	1	Cap	Obsolete part
18	860215	1	Air vent hose	Turbo-thermostat housing., For earlier version of expansion tank.
19	943366	X	Rubber hose	Expansion tank-thermostat housing., For earlier version of expansion tank., K.C, L=2000
20	994556	1	Hose clamp	K.C
21	858750	1	Banjo nipple	K.C
22	11994	2	Gasket	Std
	11994	3	Gasket	K.C
23	969299	1	Hollow screw	Std
	947975	1	Hollow screw	K.C
24	942700	1	Hose	Expansion tank-thermostat housing., For later version of expansion tank., L=660mm
25	945652	1	Hose clamp	
26	858750	1	Banjo nipple	
27	11994	2	Gasket	
28	969299	1	Hollow screw	
29	860518	1	Adapter	
30	1542187	1	Gasket	
31	955295	4	Hexagon screw	
32	960632	1	Plug	
33	11998	1	Gasket	
34	861110	1	Hose	Thermostat housing-heat exchanger., Std
	860968	1	Hose	Thermostat housing-outlet., K.C
35	943478	1	Hose clamp	



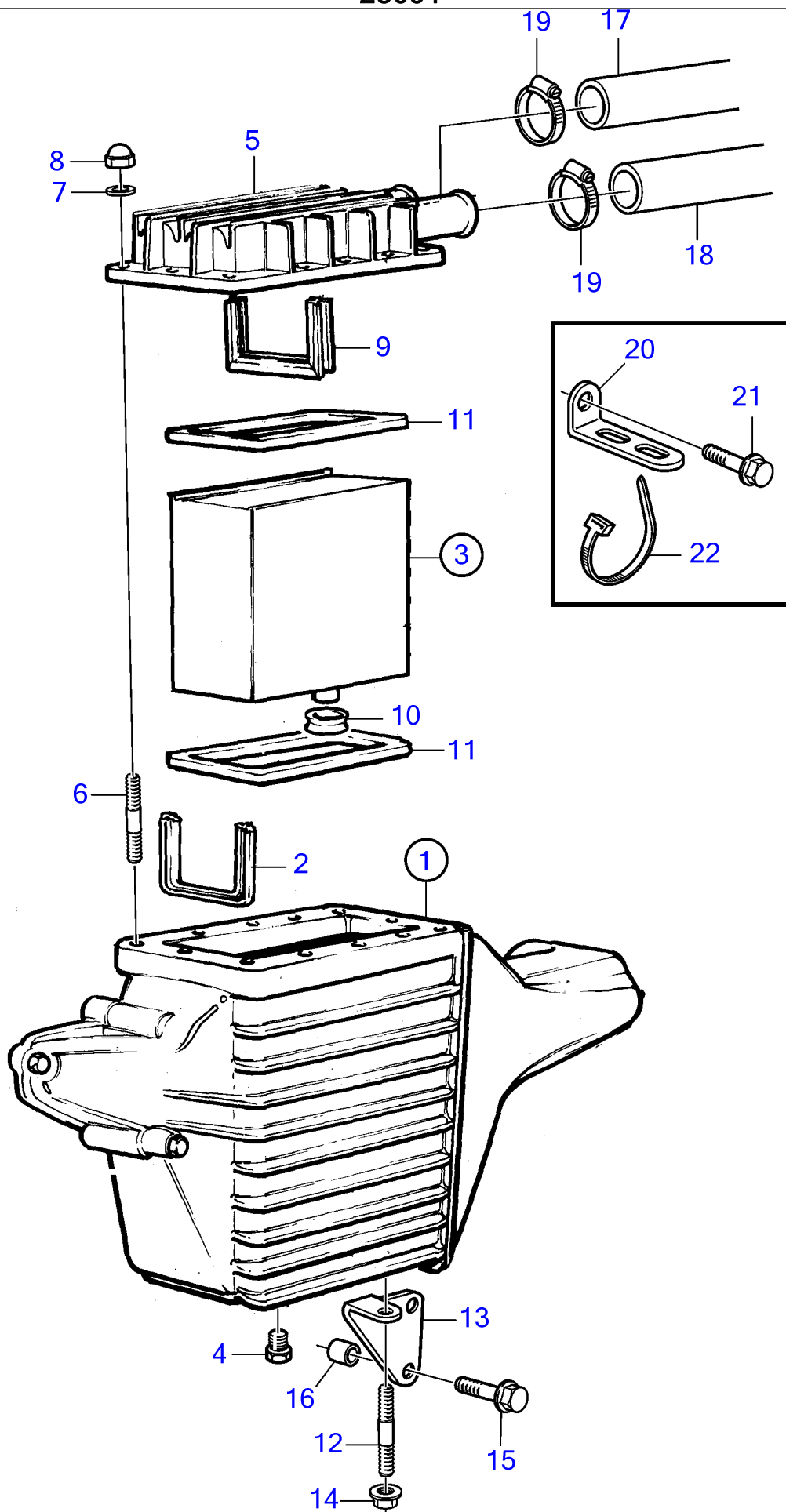
Ref	Part No.	Qty	Description	Notes
1	861657	1	Housing	(861656)
2	3582639	1	• Sealing strip	
3	3582598	1	Insert	
4	861551	1	• Plug	
5	860920	2	Gasket	
6	860409	1	Cover	
7	953036	12	Stud	
8	955893	12	Washer	
9	968458	12	Flange cap nut	
10	847573	1	Sealing strip	
11	858979	1	Sealing ring	
12	858967	1	Bracket	
13	953041	1	Stud	
14	858965	1	Bracket	
15	945408	1	Flange nut	
16	965226	2	Flange screw	
17	955897	2	Washer	
18	843122	2	Spacer sleeve	TAMD31L-A/M-A/S-A
	861554	2	Spacer	AD31L-A
19	860644	1	Hose	After cooler-oil cooler.
20	860645	1	Hose	Heat exchanger-after cooler.
21	994561	2	Hose clamp	
22	946440	1	Flange screw	
23	946934	1	Flange screw	
24	945407	1	Flange nut	
25	965562	1	Bracket	
26	946329	1	Flange screw	
27	948211	1	Cable tie	



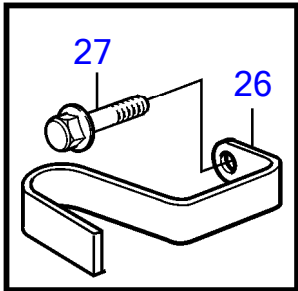
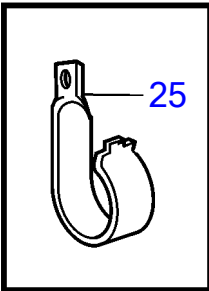
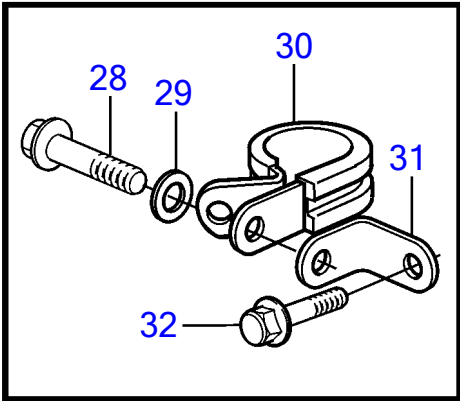
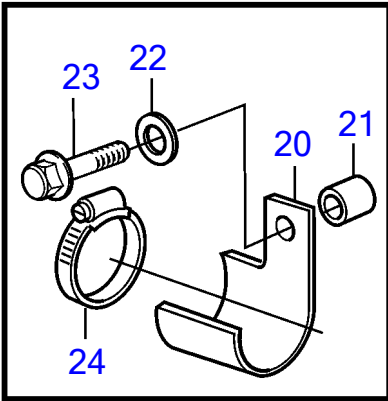
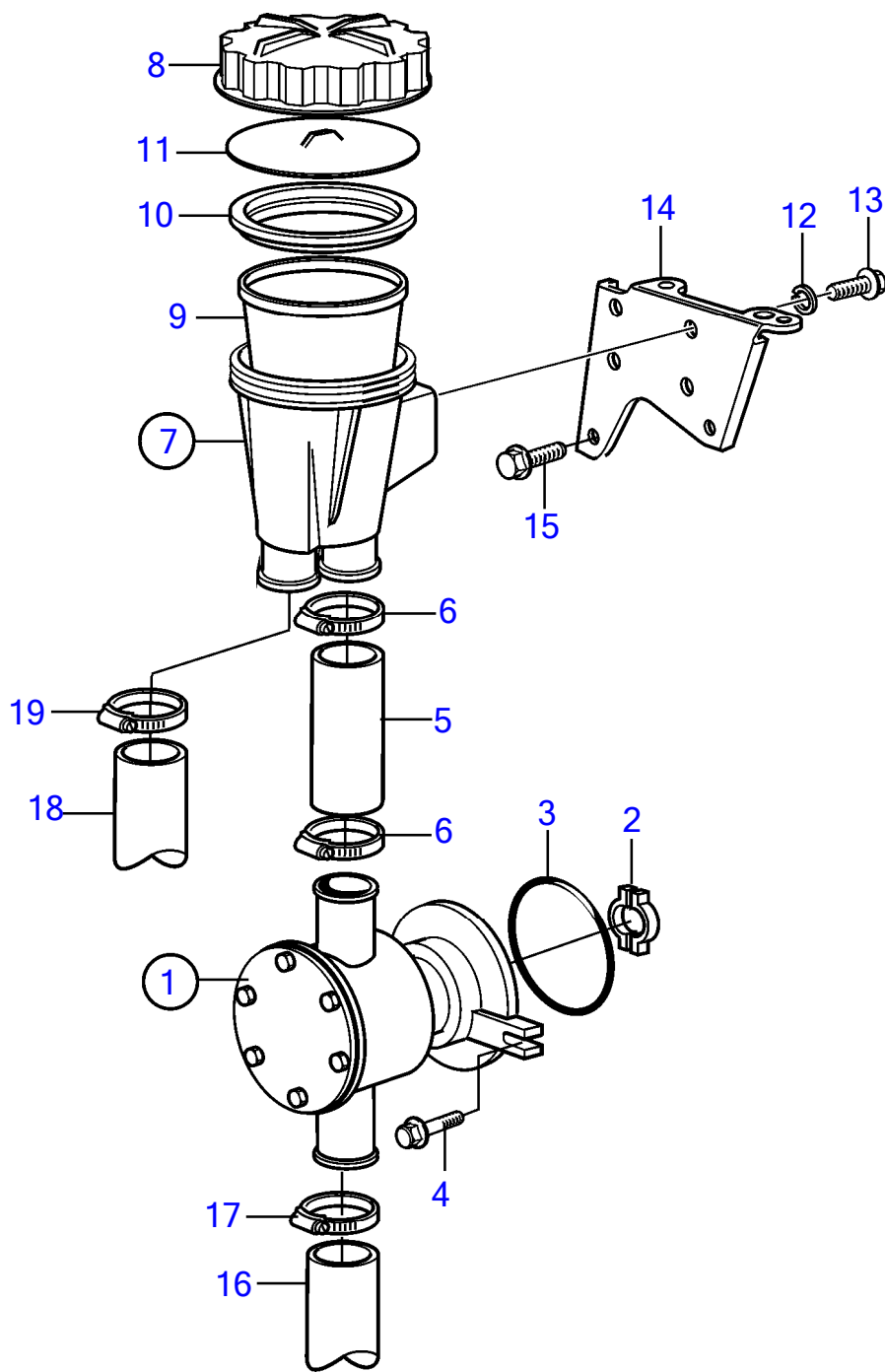
Ref	Part No.	Qty	Description	Notes
1	861657	1	Housing	(861656)
2	3582639	1	• Sealing strip	
3	3582598	1	Insert	
4	861551	1	• Plug	
5	860920	2	Gasket	
6	860409	1	Cover	
7	953036	12	Stud	
8	955893	12	Washer	
9	968458	12	Flange cap nut	
10	847573	1	Sealing strip	
11	858979	1	Sealing ring	
12	860644	1	Hose	After cooler-oil cooler.
13	860645	1	Hose	Heat exchanger-after cooler.
14	994561	2	Hose clamp	
15	861644	1	Bracket	
16	946173	1	Flange screw	
17	945408	1	Flange nut	
18	946173	2	Flange screw	
19	946472	1	Flange screw	
20	861645	1	Bracket	Early type
21	965183	1	Flange screw	
22	976944	1	Washer	
23	965226	2	Flange screw	
24	843122	2	Spacer sleeve	TAMD31P
	861554	2	Spacer	AD31P
25	3580762	1	Bracket	Late type
26	965226	2	Flange screw	
27	861554	2	Spacer	AD31P
28	965183	1	Flange screw	
29	976944	1	Washer	
30	965562	1	Bracket	
31	946329	1	Flange screw	
32	948211	1	Cable tie	



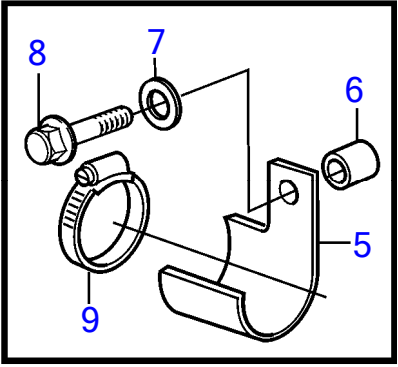
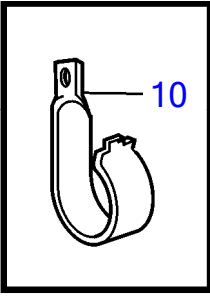
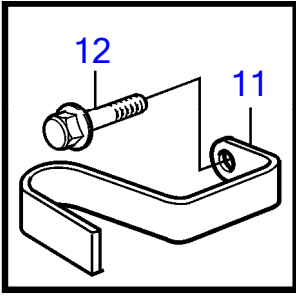
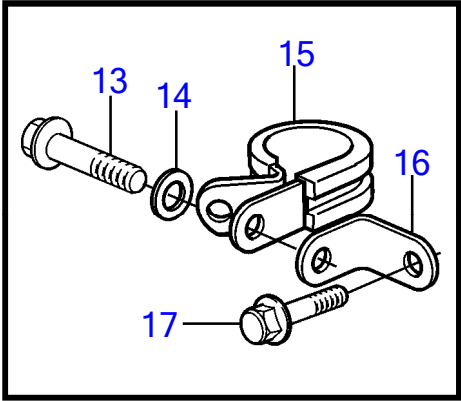
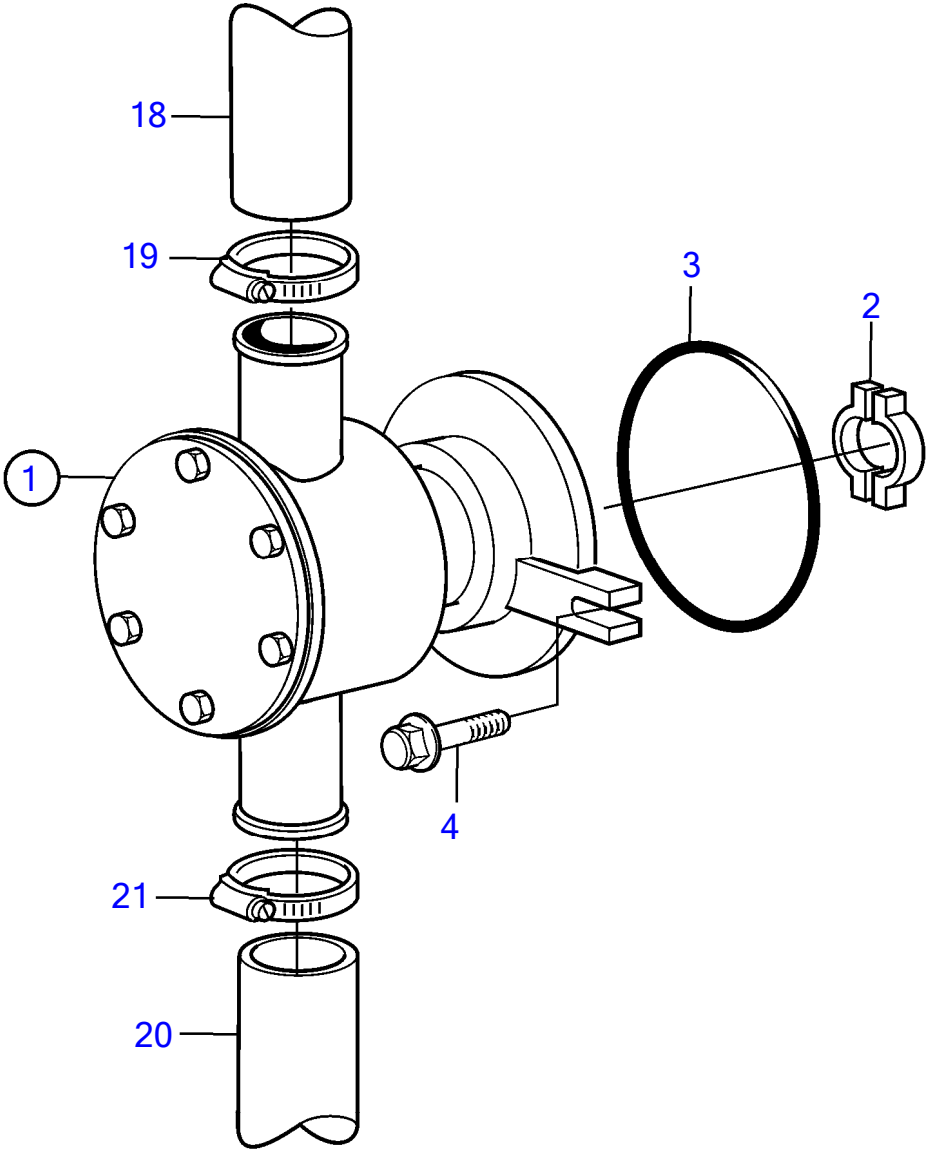
Ref	Part No.	Qty	Description	Notes
1	861657	1	Housing	(861656)
2	3582639	1	• Sealing strip	
3	3582598	1	Insert	
4	861551	1	• Plug	
5	860409	1	Cover	
6	953036	12	Stud	
7	955893	12	Washer	
8	968458	12	Flange cap nut	
9	847573	1	Sealing strip	
10	858979	1	Sealing ring	
11	860920	2	Gasket	
12	953041	1	Stud	
13	858965	1	Bracket	
14	945408	1	Flange nut	
15	965226	2	Flange screw	
16	843122	2	Spacer sleeve	For universal joint shaft installations
	861554	2	Spacer	Std
17	860404	1	Hose	After cooler-oil cooler.
18	860645	1	Hose	Heat exchanger-after cooler.
19	994561	2	Hose clamp	
20	965562	1	Bracket	
21	946329	1	Flange screw	
22	948211	1	Cable tie	



Ref	Part No.	Qty	Description	Notes
1	861657	1	Housing	(861656)
2	3582639	1	• Sealing strip	
3	3582598	1	Insert	
4	861551	1	• Plug	
5	860409	1	Cover	
6	953036	12	Stud	
7	955893	12	Washer	
8	968458	12	Flange cap nut	
9	847573	1	Sealing strip	
10	858979	1	Sealing ring	
11	860920	2	Gasket	
12	953041	1	Stud	
13	858965	1	Bracket	
14	945408	1	Flange nut	
15	965226	2	Flange screw	
16	843122	2	Spacer sleeve	
17	860404	1	Hose	After cooler-oil cooler.
18	860645	1	Hose	Heat exchanger-after cooler., Not for engines in keel cooled version.
	860645	1	Hose	After cooler-outlet., For engines in with keel cooling.
19	994561	2	Hose clamp	
20	965562	1	Bracket	
21	946329	1	Flange screw	
22	948211	1	Cable tie	



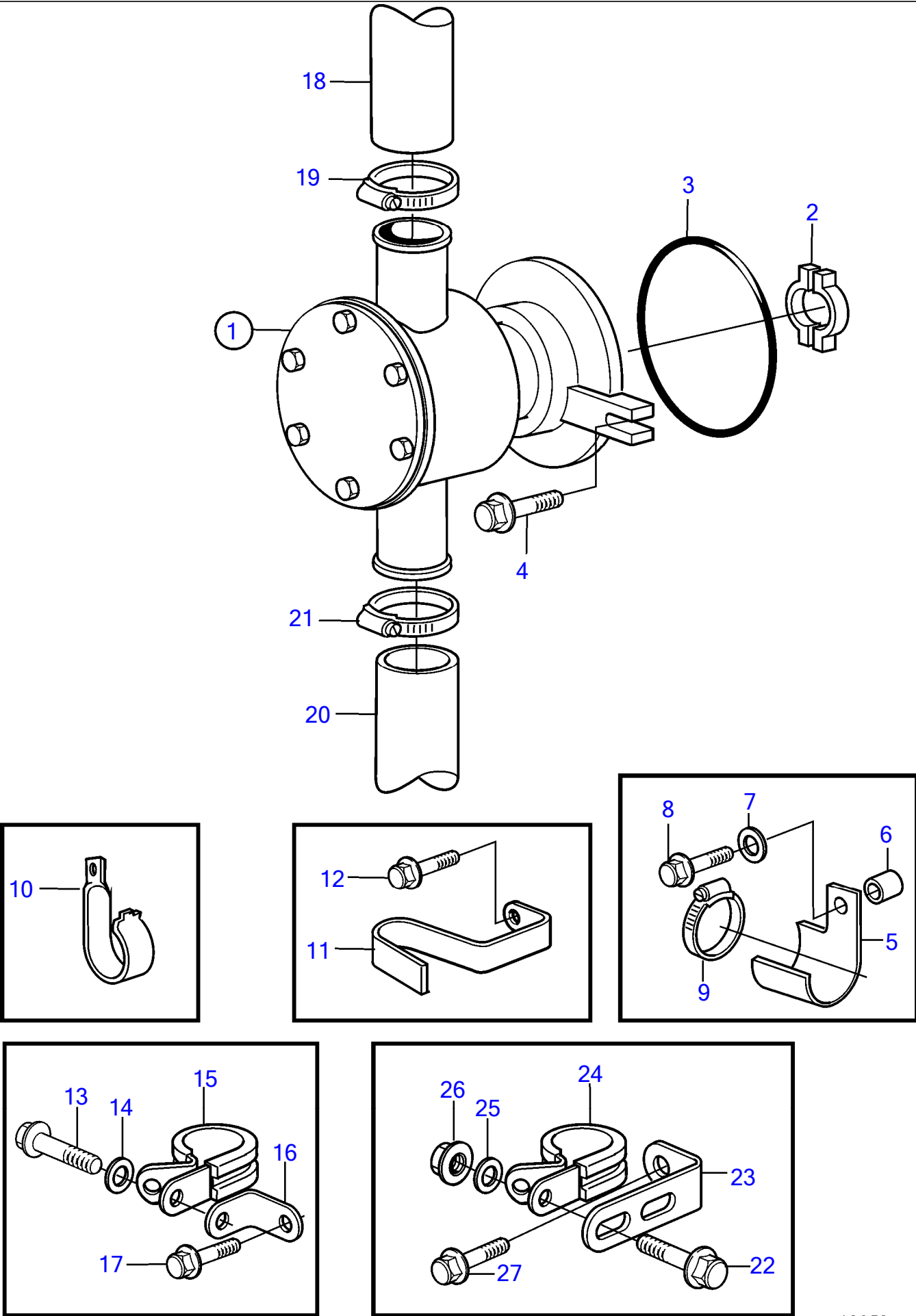
Ref	Part No.	Qty	Description	Notes
1	860629	1	Seawater pump	Repl by 3581558
			.	
			.	
	3581558	1	Seawater pump	Repl by 3583115
			.	
			.	
	3583115	1	Seawater pump	New seawater pump kits
			· Bulletin P-26-6-5	
			.	
1			.	
2	858467	1	Companion flange	
3	968971	1	O-ring	
4	946173	2	Flange screw	
5	949315	1	Rubber hose	L=60mm
6	994561	2	Hose clamp	
7	3583840	1	Seawater filter	
8	842722	1	· Cover	
9	860687	1	· Strainer	
10	842724	1	· Seal	
11	842982	1	· Pressure plate	
12	941907	4	· Spring washer	
13	965215	4	· Flange screw	
14	3580668	1	Bracket	
15	946470	1	Flange screw	L=35mm
	948217	1	Flange screw	L=45mm
16	861737	1	Hose	Intake-sea water pump., Std
	1140664	X	Exhaust hose	Intake-sea water pump., Alt
17	961669	2	Hose clamp	
18	861018	1	Hose	Sea water filter-oil cooler.
19	994561	1	Hose clamp	
20	3580758	1	Bracket	
21	843075	1	Spacer sleeve	
22	955894	1	Washer	
23	945444	1	Flange screw	
24	961669	1	Hose clamp	
25	834974	1	Bracket	
26	861387	1	Bracket	
27	947760	1	Flange screw	
28	948746	1	Flange screw	
29	955893	1	Washer	
30	952640	1	Clamp	
31	846780	1	Bracket	
32	965181	1	Flange screw	



26 Sea Water Pump

AD31L-A, AD31P-A

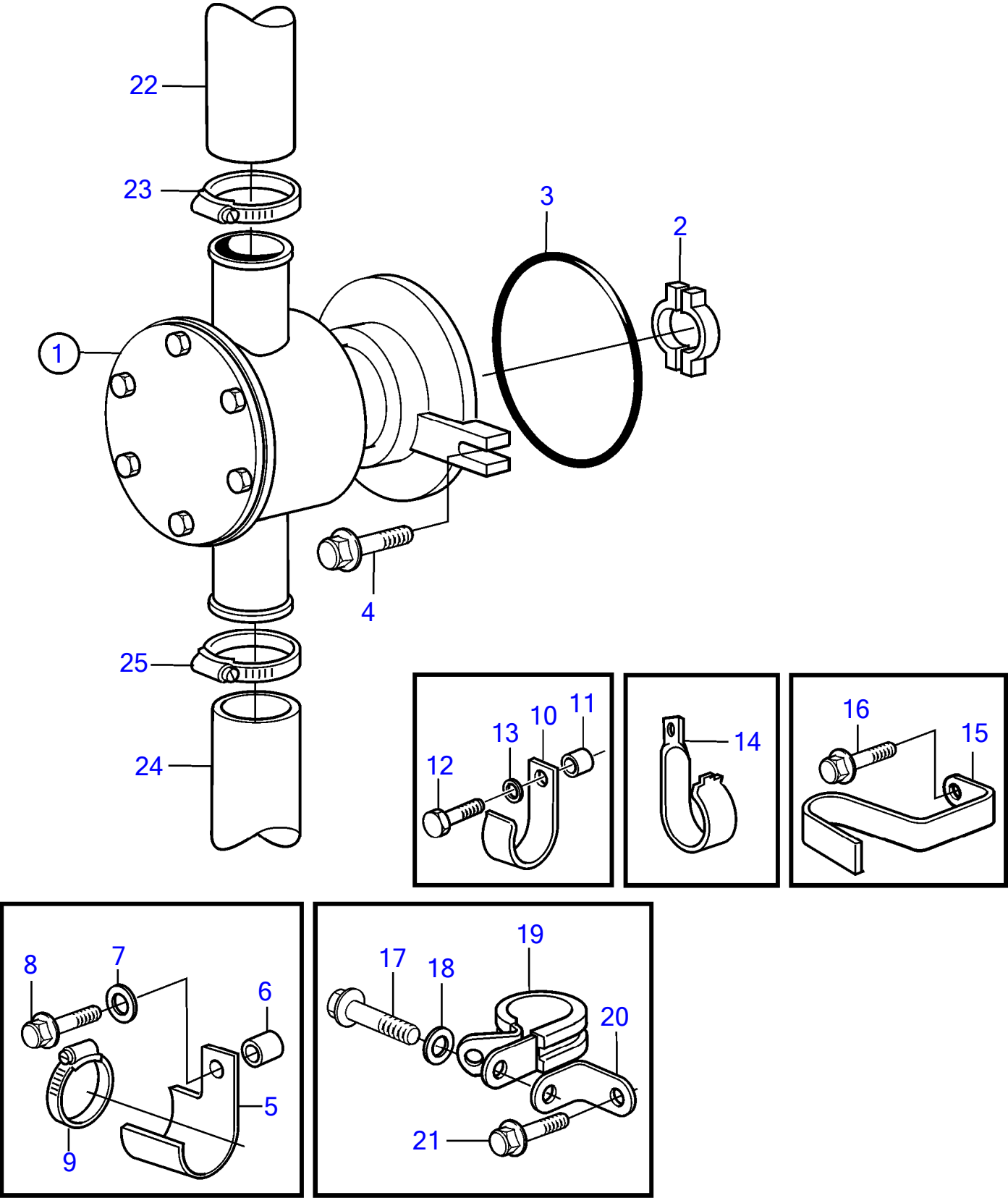
Ref	Part No.	Qty	Description	Notes
1	860629	1	Seawater pump	Repl by 3581558
			.	
			.	
	3581558	1	Seawater pump	Repl by 3583115
			.	
			.	
	3583115	1	Seawater pump	New seawater pump kits
			· Bulletin P-26-6-5	
			.	
1			.	
2	858467	1	Companion flange	
3	968971	1	O-ring	
4	946173	2	Flange screw	
5	3580758	1	Bracket	
6	843075	1	Spacer sleeve	
7	955894	1	Washer	
8	945444	1	Flange screw	
9	961669	1	Hose clamp	
10	834974	1	Bracket	
11	861387	1	Bracket	
12	947760	1	Flange screw	
13	948746	1	Flange screw	
14	955893	1	Washer	
15	952640	1	Clamp	
16	846780	1	Bracket	
17	965181	1	Flange screw	
18	860997	1	Hose	Sea water pump-oil cooler.
19	994561	1	Hose clamp	
20	861737	1	Hose	Intake-sea water pump.
21	961669	2	Hose clamp	



26 Sea Water Pump

TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A

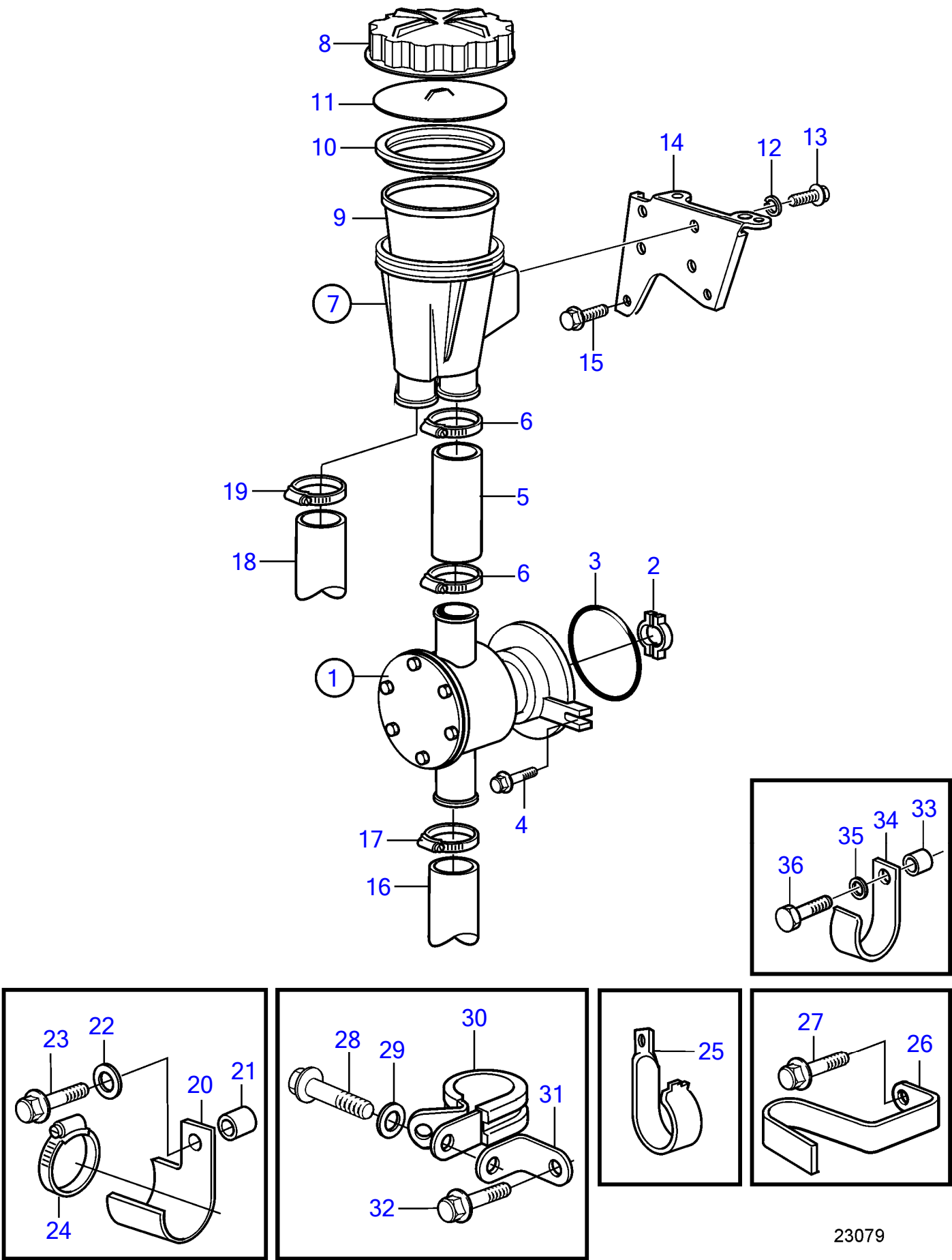
Ref	Part No.	Qty	Description	Notes
1	860629	1	Seawater pump	Repl by 3581558
			.	
			.	
	3581558	1	Seawater pump	Repl by 3583115
			.	
			.	
	3583115	1	Seawater pump	New seawater pump kits
			· Bulletin P-26-6-5	
			.	
1			.	
			.	
	861198	1	Seawater pump	SOLAS, Repl by 3581559
			.	
			.	
	3581559	1	Seawater pump	SOLAS, Repl by 3583145
			.	
			.	
	3583145	1	Seawater pump	SOLAS
			· Bulletin P-26-6-5	New seawater pump kits
1			.	
			.	
2	858467	1	Companion flange	
3	968971	1	O-ring	
4	946173	2	Flange screw	
5	3580758	1	Bracket	
6	843075	1	Spacer sleeve	
7	955894	1	Washer	
8	945444	1	Flange screw	
9	961669	1	Hose clamp	
10	834974	1	Bracket	
11	861387	1	Bracket	
12	947760	1	Flange screw	
13	948746	1	Flange screw	
14	955893	1	Washer	
15	952640	1	Clamp	
16	846780	1	Bracket	
17	965181	1	Flange screw	
18	860997	1	Hose	Sea water pump-oil cooler.
19	994561	1	Hose clamp	
20	861737	1	Hose	Reverse gear-sea water pump.
21	961669	2	Hose clamp	
22	946544	1	Flange screw	
23	965558	1	Bracket	
24	952640	1	Clamp	
25	955893	1	Washer	
26	949278	1	Flange lock nut	
27	947760	1	Flange screw	



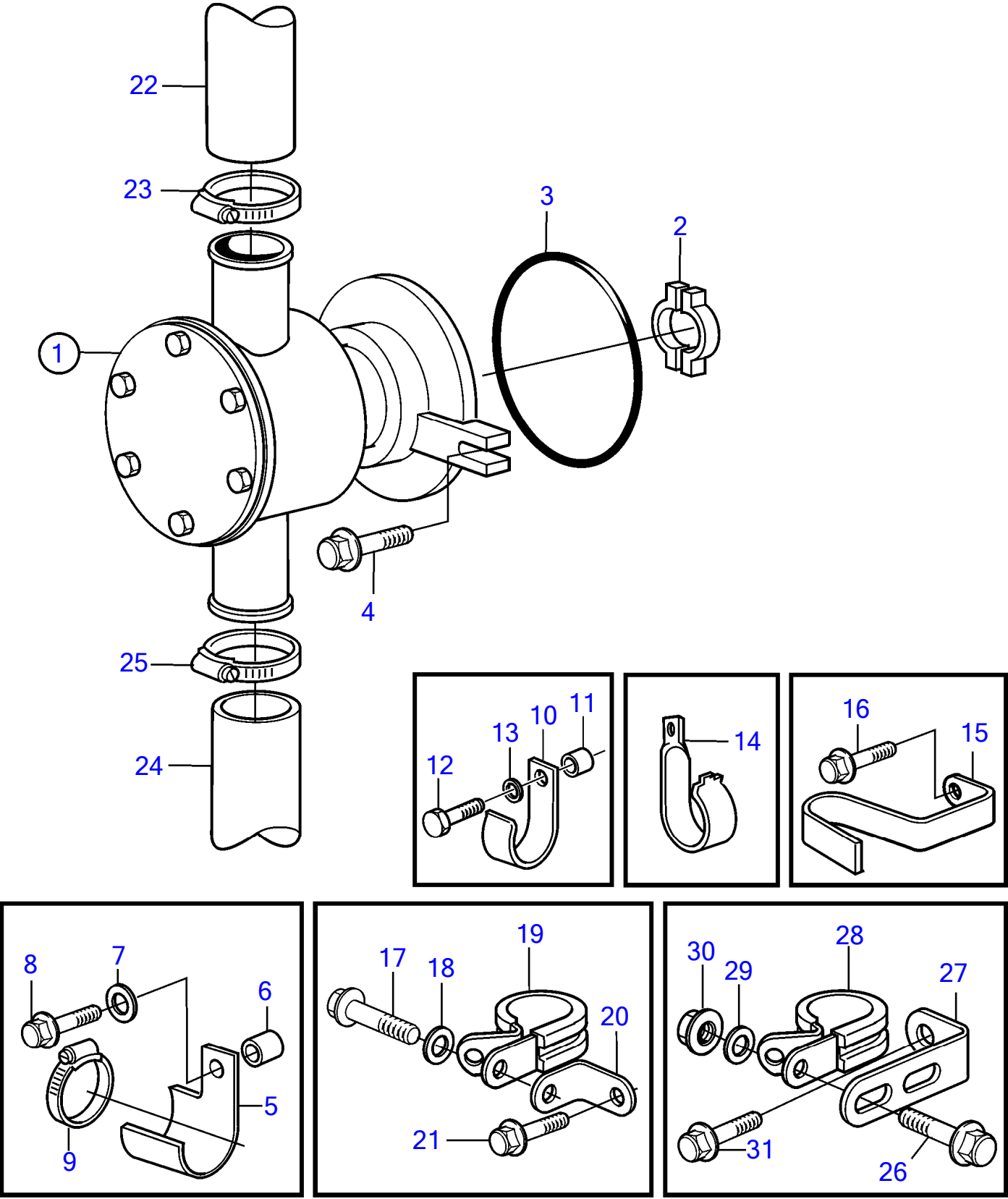
26 Sea Water Pump

AD41L-A, AD41P-A, D41L-A

Ref	Part No.	Qty	Description	Notes
1	860629	1	Seawater pump .	
	3581558	1	Seawater pump .	
	3583115	1	Seawater pump · Bulletin P-26-6-5	New seawater pump kits
1			·	
2	858467	1	Companion flange	
3	968971	1	O-ring	
4	946173	2	Flange screw	
5	3580758	1	Bracket	
6	843075	1	Spacer sleeve	
7	955894	1	Washer	
8	945444	1	Flange screw	
9	961669	1	Hose clamp	
10	857045	1	Attaching clamp	
11	843075	1	Spacer sleeve	
12	945444	1	Flange screw	
13	955894	1	Washer	
14	834974	1	Bracket	
15	861387	1	Bracket	
16	947760	1	Flange screw	
17	948746	1	Flange screw	
18	955893	1	Washer	
19	952640	1	Clamp	
20	846780	1	Bracket	
21	965181	1	Flange screw	
22	860997	1	Hose	Sea water pump-oil cooler.
23	994561	1	Hose clamp	
24	861738	1	Hose	Intake-sea water pump.
		X	Hose	For universal joint shaft installations, Inlet-water pump.
25	961669	2	Hose clamp	



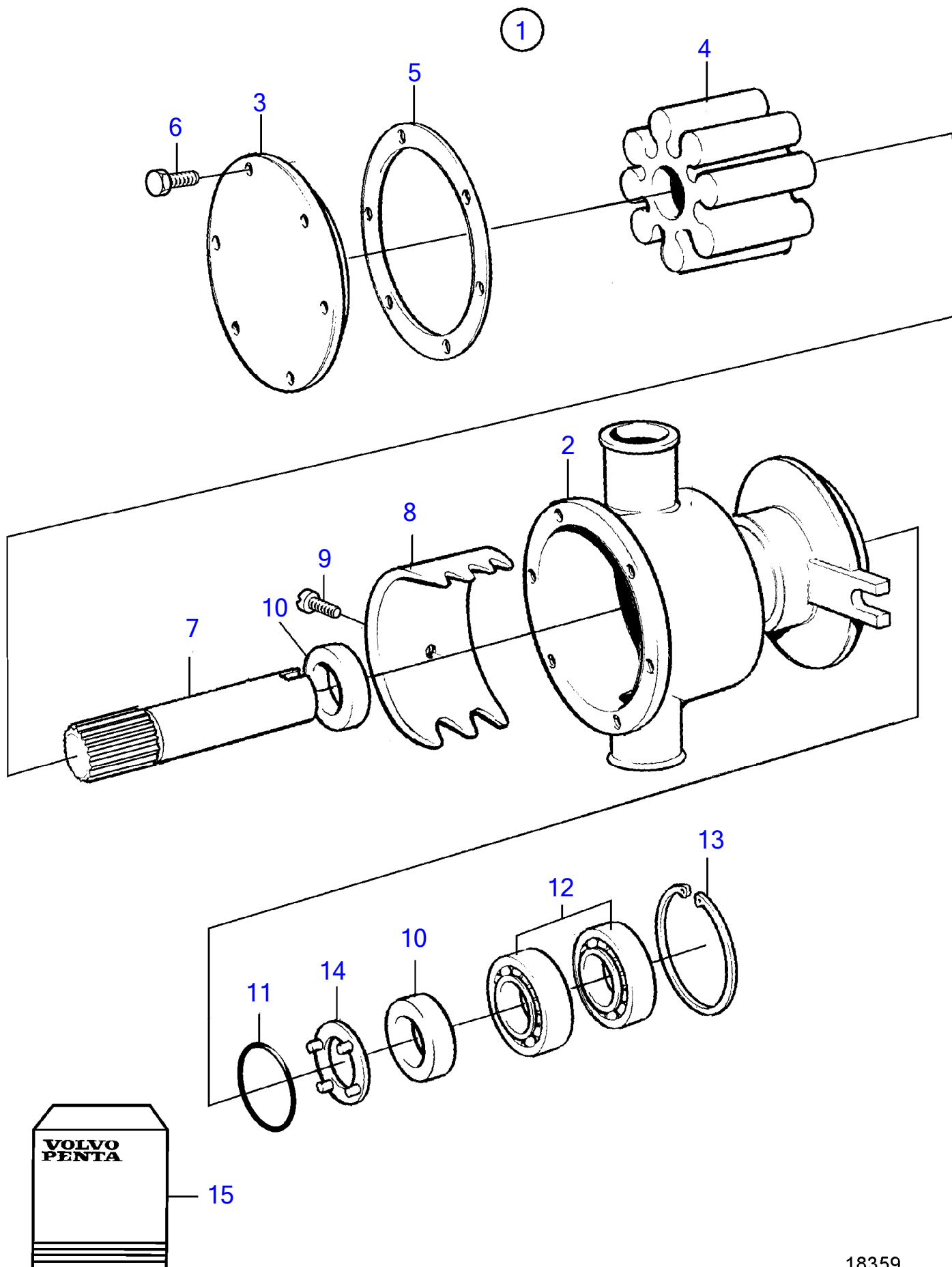
Ref	Part No.	Qty	Description	Notes
1	860629	1	Seawater pump	Repl by 3581558
			.	
			.	
	3581558	1	Seawater pump	Repl by 3583115
			.	
			.	
	3583115	1	Seawater pump	
			• Bulletin P-26-6-5	New seawater pump kits
1			.	
			.	
2	858467	1	Companion flange	
3	968971	1	O-ring	
4	946173	2	Flange screw	
5	949315	1	Rubber hose	L=60mm
6	994561	2	Hose clamp	
7	3583840	1	Seawater filter	(860631)
8	842722	1	• Cover	
9	860687	1	• Strainer	
10	842724	1	• Seal	
11	842982	1	• Pressure plate	
12	941907	4	• Spring washer	
13	965215	4	• Flange screw	
14	3580668	1	Bracket	
15	946470	1	Flange screw	L=35mm
	948217	1	Flange screw	L=45mm
16	861738	1	Hose	Intake-sea water pump.
17	961669	2	Hose clamp	
18	861018	1	Hose	Sea water filter-oil cooler.
19	994561	1	Hose clamp	
20	3580758	1	Bracket	
21	843075	1	Spacer sleeve	
22	955894	1	Washer	
23	945444	1	Flange screw	
24	961669	1	Hose clamp	
25	834974	1	Bracket	
26	861387	1	Bracket	
27	947760	1	Flange screw	
28	948746	1	Flange screw	
29	955893	1	Washer	
30	952640	1	Clamp	
31	846780	1	Bracket	
32	965181	1	Flange screw	
33	843075	1	Spacer sleeve	
34	945444	1	Flange screw	
35	955894	1	Washer	
36	857045	1	Attaching clamp	



26 Sea Water Pump

TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

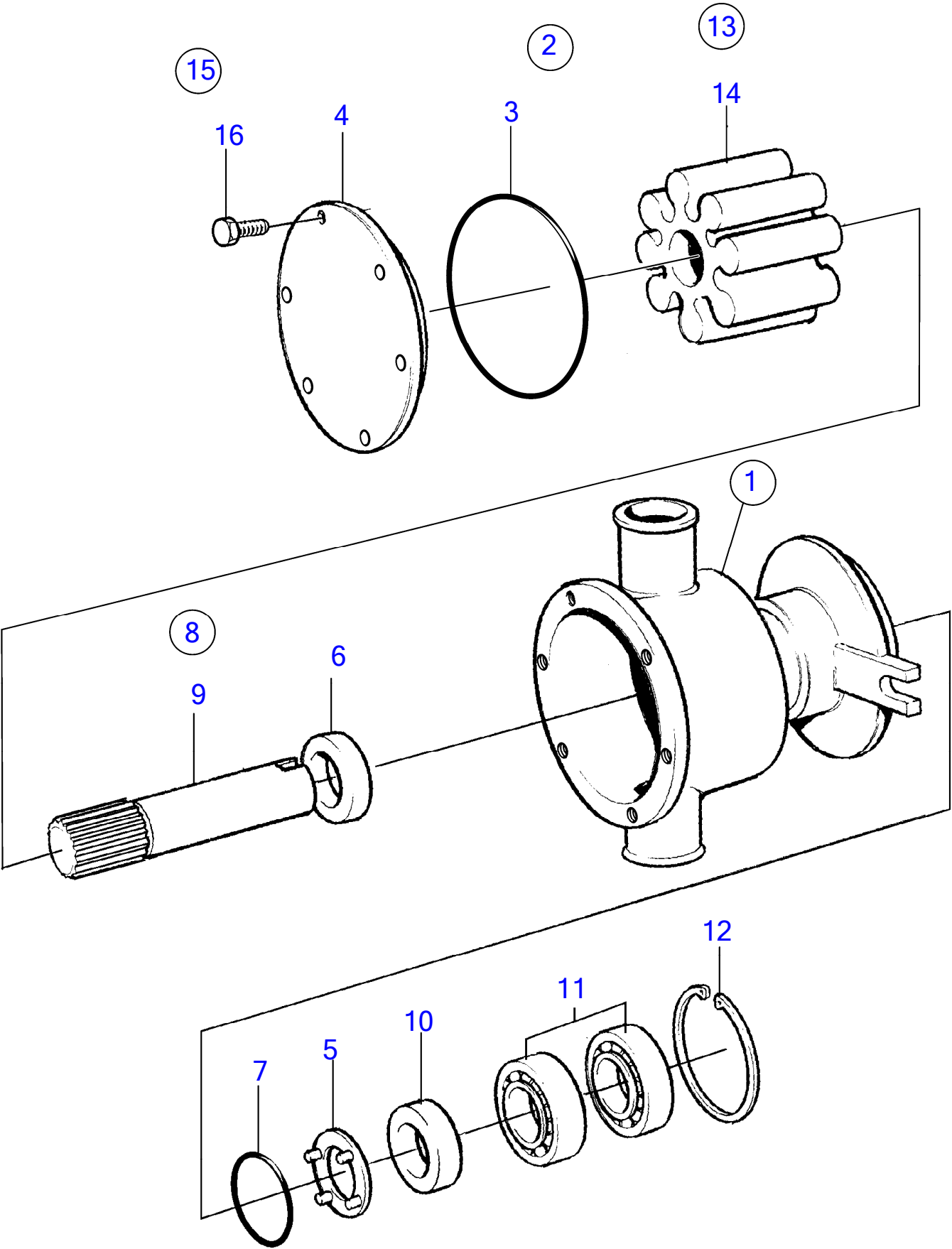
Ref	Part No.	Qty	Description	Notes
1	860629	1	Seawater pump	
	3581558	1	Seawater pump	
	3583115	1	Seawater pump · Bulletin P-26-6-5	New seawater pump kits
1	861198	1	Seawater pump	SOLAS
	3581559	1	Seawater pump	
	3583145	1	Seawater pump · Bulletin P-26-6-5	New seawater pump kits
1				
2	858467	1	Companion flange	
3	968971	1	O-ring	
4	946173	2	Flange screw	
5	3580758	1	Bracket	
6	843075	1	Spacer sleeve	
7	955894	1	Washer	
8	945444	1	Flange screw	
9	961669	1	Hose clamp	
10	857045	1	Attaching clamp	
11	843075	1	Spacer sleeve	
12	945444	1	Flange screw	
13	955894	1	Washer	
14	834974	1	Bracket	
15	861387	1	Bracket	
16	947760	1	Flange screw	
17	948746	1	Flange screw	
18	955893	1	Washer	
19	952640	1	Clamp	
20	846780	1	Bracket	
21	965181	1	Flange screw	
22	860997	1	Hose	Sea water pump-oil cooler.
23	994561	1	Hose clamp	
24	861738	1	Hose	Reverse gear-sea water pump.
25	961669	2	Hose clamp	
26	946544	1	Flange screw	
27	965558	1	Bracket	
28	952640	1	Clamp	
29	955893	1	Washer	
30	949278	1	Flange lock nut	
31	947760	1	Flange screw	



26 Sea Water Pump, Components: 860629

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A

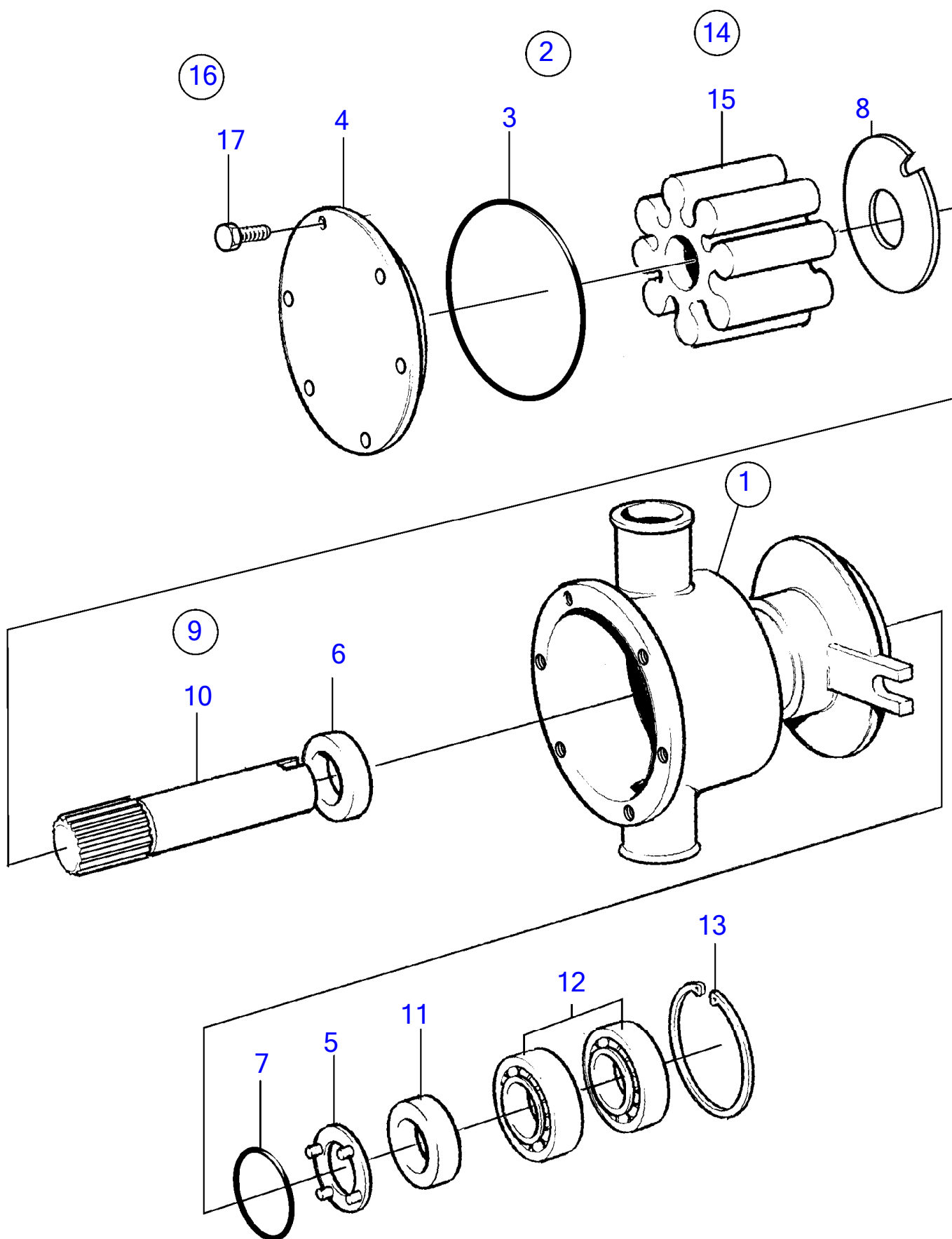
Ref	Part No.	Qty	Description	Notes
1	860629	1	Seawater pump	
2		1	• Housing	
3	(860751)	1	• Cap	Included in overhaul kit., Obsolete part
4		1	• Impeller	Included in impeller kit.
5	808275	1	• Gasket	Included in impeller kit.
6	21951334	1	• Screw kit	Included in overhaul kit.
7		1	• Shaft	Included in overhaul kit.
8	(827011)	1	• Cam	Obsolete part, Included in overhaul kit.
9	(808285)	1	• Screw	Obsolete part, Included in overhaul kit.
10	827247	2	• Sealing ring	Included in overhaul kit.
11	960166	1	• O-ring	Included in overhaul kit.
12	11010	2	• Ball bearing	Included in overhaul kit.
13	914523	1	• Snap ring	Included in overhaul kit.
14	(844580)	1	• Support washer	Obsolete part
15	(877373)	1	Repair kit	Obsolete part, See group 99
	3841697	1	Impeller kit	See group 99



26 Sea Water Pump, Components

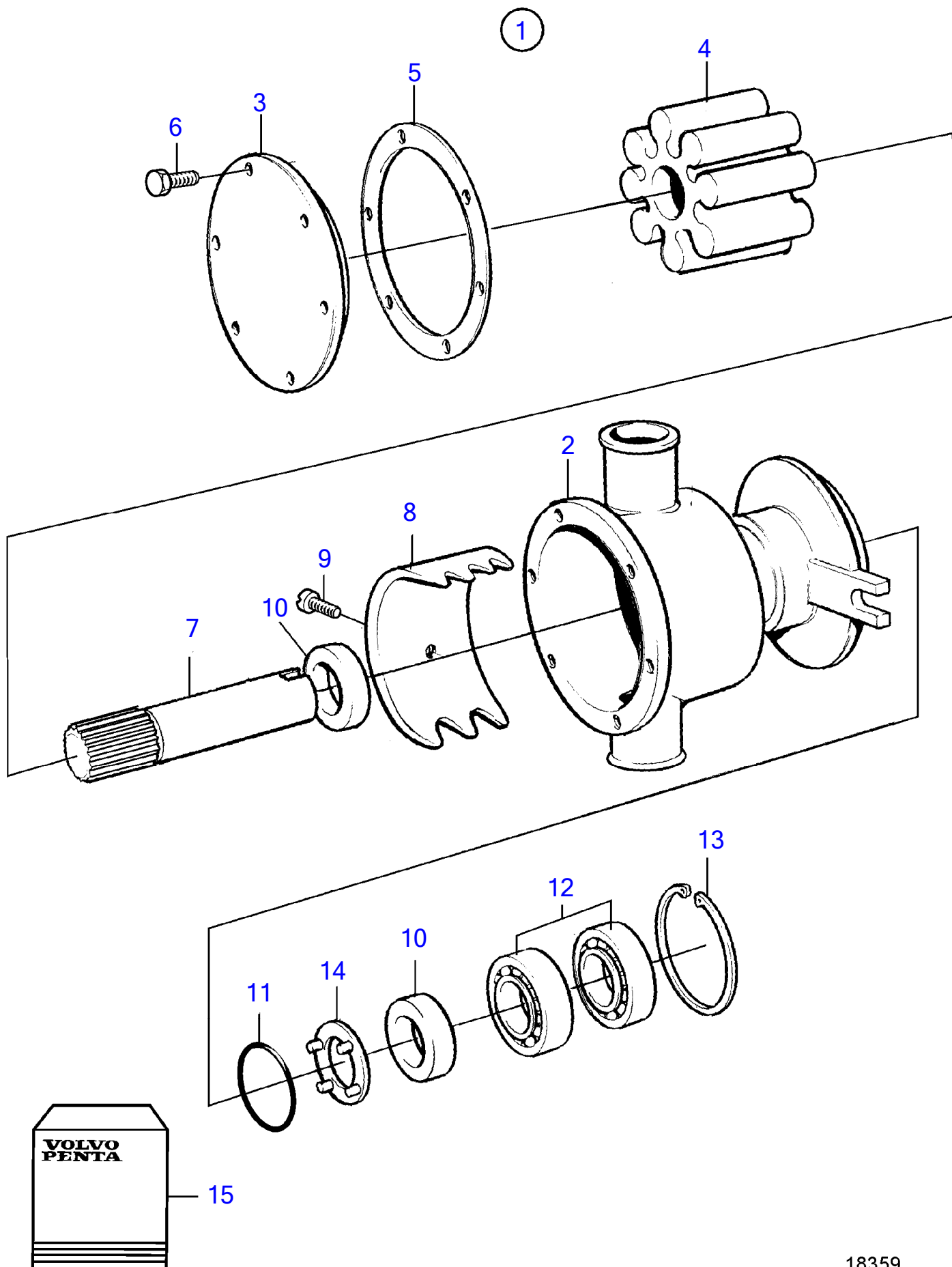
AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A

Ref	Part No.	Qty	Description	Notes
1	3581558	1	Seawater pump	Repl by 3583115
	3583115	1	Seawater pump	
			• Bulletin P-26-6-5	New seawater pump kits
2	21951396	1	• Wear kit	
3	3581618	1	• • O-ring	
4	(3581617)	1	• • Cover	Obsolete part
5	(844580)	1	• • Support washer	Obsolete part
6	827247	1	• • Sealing ring	
7	960166	1	• • O-ring	
8	21951457	1	• Shaft kit	
9		1	• • Shaft	
10	827247	1	• • Sealing ring	
11	11010	2	• • Ball bearing	
12	914523	1	• • Snap ring	
13	3841697	1	• Impeller kit	replaced by next part number
	21422647	1	• Impeller kit	replaced by next part number
	21951356	1	• Impeller kit	
14		1	• • Impeller	
15	21951334	1	• Screw kit	
16	(21346724)	6	• • Hexagon screw	Obsolete part, Use screw kit 21951334



26 Sea Water Pump, Components: 3581559TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A,
TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A

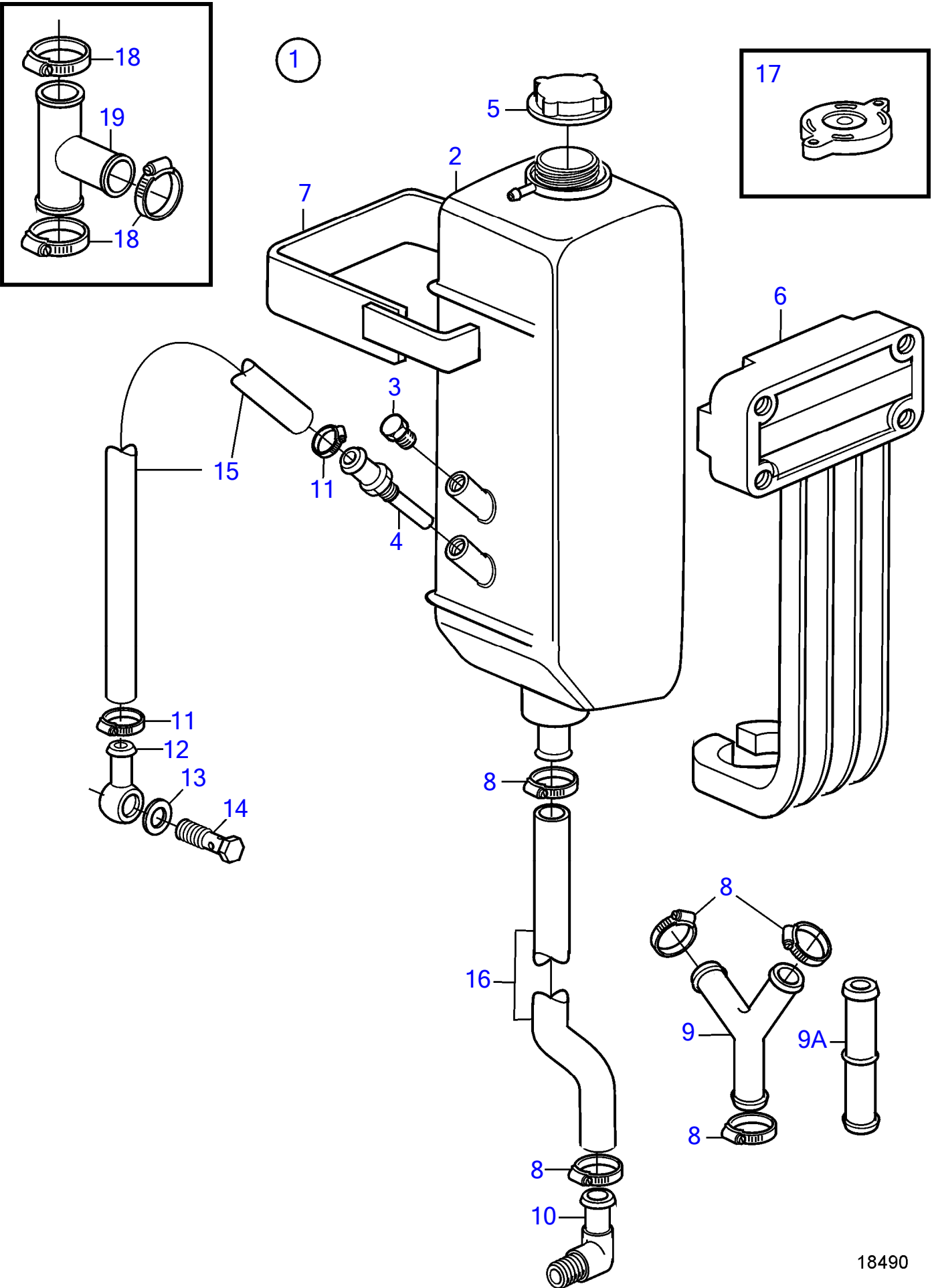
Ref	Part No.	Qty	Description	Notes
1	3581559	1	Seawater pump	Repl by 3583145
	3583145	1	Seawater pump	
			• Bulletin P-26-6-5	New seawater pump kits
2	21951396	1	• Wear kit	
3	3581618	1	• • O-ring	
4	(3581617)	1	• • Cover	Obsolete part
5	(844580)	1	• • Support washer	Obsolete part
6	827247	1	• • Sealing ring	
7	960166	1	• • O-ring	
8		1	• • Wear plate	
9	21951457	1	• Shaft kit	
10		1	• • Shaft	
11	827247	1	• • Sealing ring	
12	11010	2	• • Ball bearing	
13	914523	1	• • Snap ring	
14	877062	1	• Impeller kit	replaced by next part number
	21951366	1	• Impeller kit	
15		1	• • Impeller	
16	21951334	1	• Screw kit	
17	(21346724)	6	• • Hexagon screw	Obsolete part, Use screw kit 21951334



26 Sea Water Pump, Components: 861168

TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

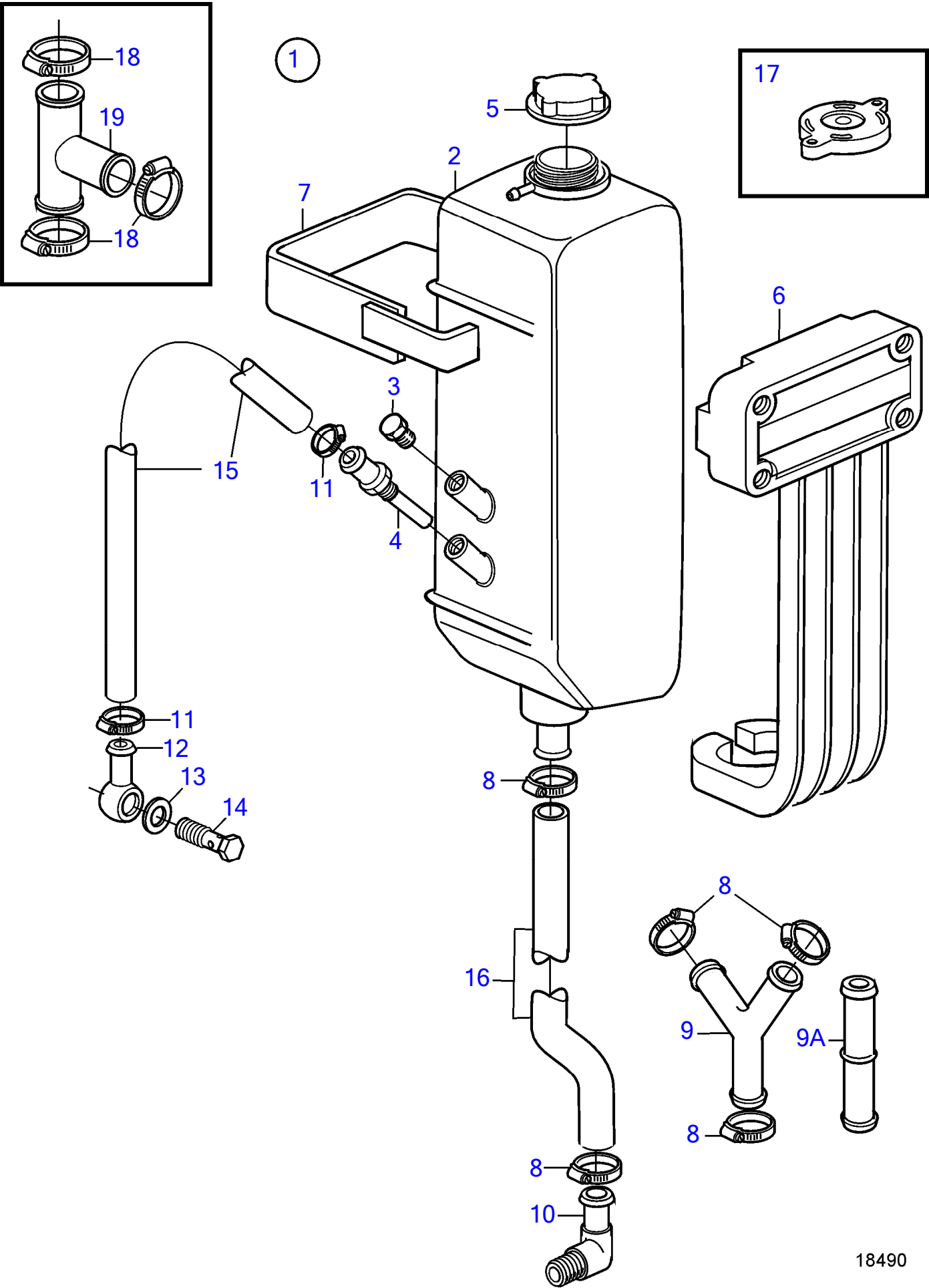
Ref	Part No.	Qty	Description	Notes
1	861198	1	Seawater pump	
2		1	• Housing	
3	(860751)	1	• Cap	Included in overhaul kit., Obsolete part
4		1	• Impeller	Included in impeller kit.
5	861199	1	• Gasket	Included in impeller kit.
6	21951334	1	• Screw kit	Included in overhaul kit.
7		1	• Shaft	Included in overhaul kit.
8	(827011)	1	• Cam	Obsolete part, Included in overhaul kit.
9	(808285)	1	• Screw	Obsolete part, Included in overhaul kit.
10	827247	2	• Sealing ring	Included in overhaul kit.
11	960166	1	• O-ring	Included in overhaul kit.
12	11010	2	• Ball bearing	Included in overhaul kit.
13	914523	1	• Snap ring	Included in overhaul kit.
14	(844580)	1	• Support washer	Obsolete part
15	(877373)	1	Repair kit	Obsolete part, See group 99
	3841697	1	Impeller kit	See group 99



26 Expansion Tank: 861623

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

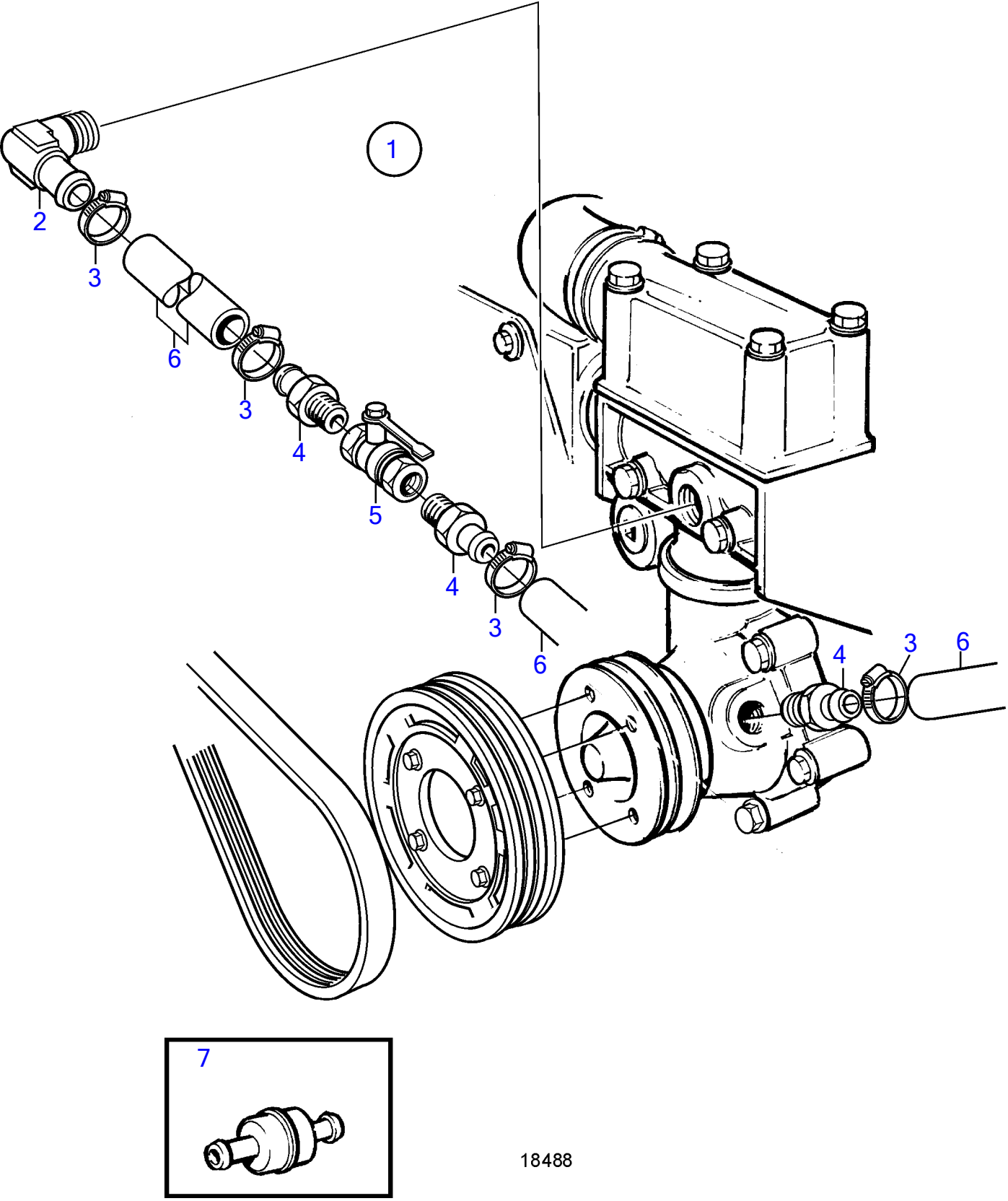
Ref	Part No.	Qty	Description	Notes
1	861623	1	Expansion tank	Repl by 3581297
2	844062	1	• Expansion tank	
3	947660	1	• Plug	
4	843247	1	• Connection pipe	
5	860866	1	• Filler cap	
6	843260	1	• Bracket	
7	843266	1	• Clamp	
8	943472	6	• Hose clamp	
9	345845	1	• Distribution pipe	
9A	831752	1	• Connection pipe	
10	948600	1	• Elbow nipple	
11	994556	2	• Hose clamp	
12	858750	1	• Banjo nipple	
13	11994	2	• Gasket	
14	947975	1	• Hollow screw	
15	943366	X	• Rubber hose	
16	952969	X	• Hose	
17	845587	1	• Filler cap	
18	994556	3	• Hose clamp	
19	3581298	1	• T-pipe	



26 Expansion Tank: 3581297

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A,
TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

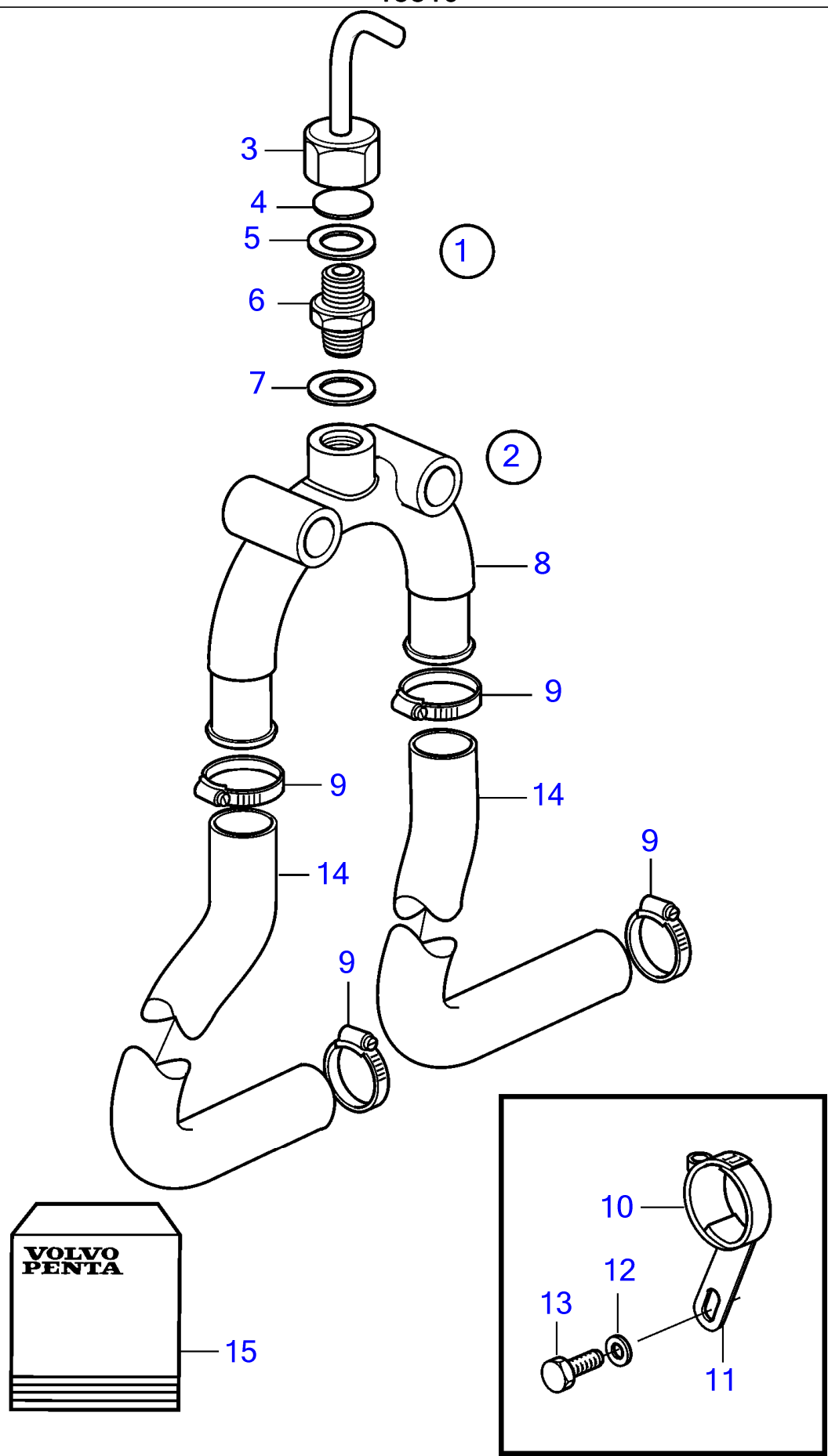
Ref	Part No.	Qty	Description
1	3581297	1	Expansion tank
2	844062	1	• Expansion tank
3	947660	1	• Plug
4	843247	1	• Connection pipe
5	860866	1	• Filler cap
6	843260	1	• Bracket
7	843266	1	• Clamp
8	943472	6	• Hose clamp
9	345845	1	• Distribution pipe
9A	831752	1	• Connection pipe
10	948600	1	• Elbow nipple
11	994556	2	• Hose clamp
12	858750	1	• Banjo nipple
13	11994	2	• Gasket
14	947975	1	• Hollow screw
15	942700	X	• Hose
16	952969	X	• Hose
17	845587	1	• Filler cap
18	945652	4	• Hose clamp



26 Hot Water Outlet

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A,
TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

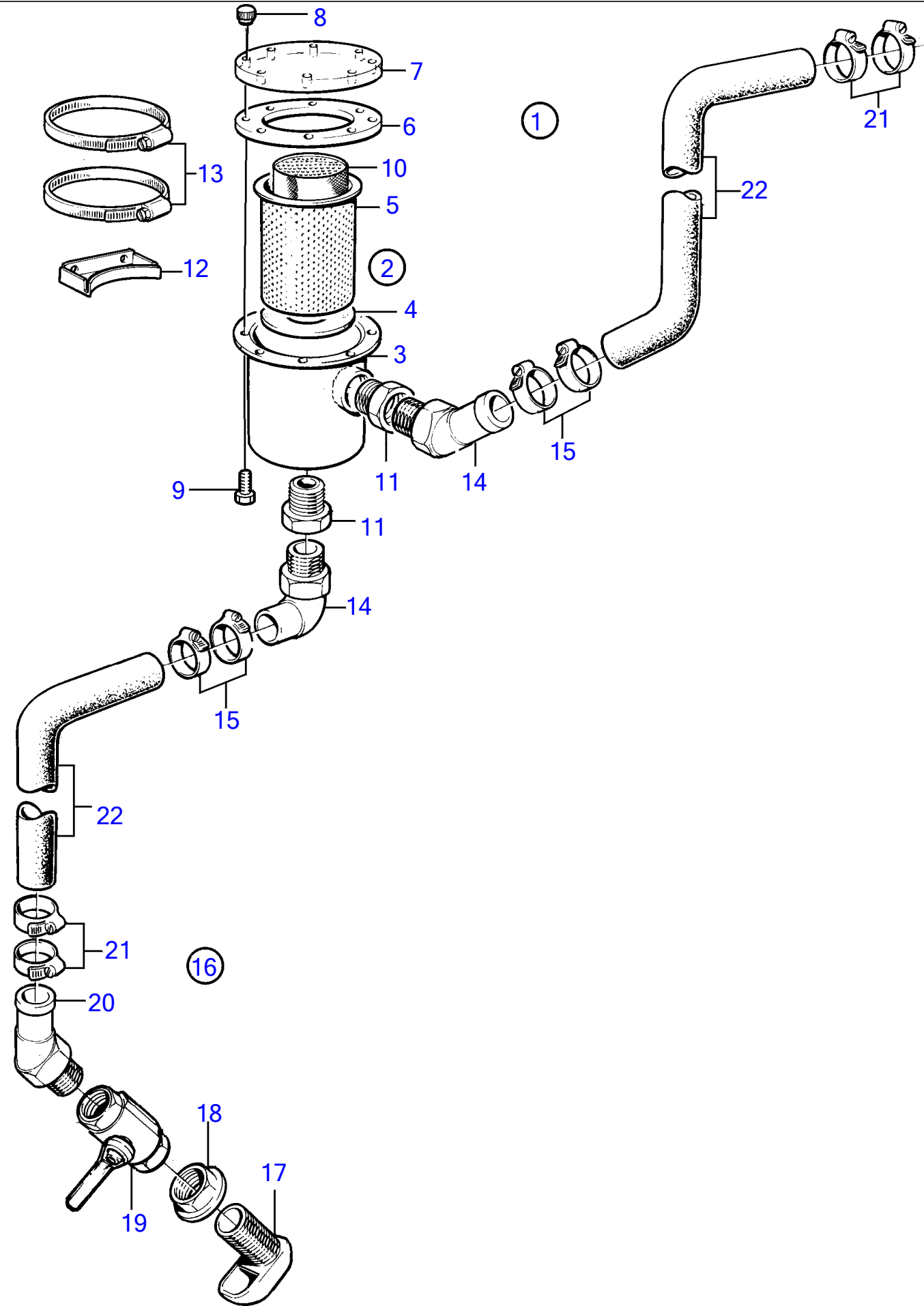
Ref	Part No.	Qty	Description	Notes
1	860706	1	Mounting kit	
2	961607	1	• Hose nipple	
3	961663	6	• Hose clamp	
4	961657	5	• Hose nipple	
5	1140097	2	• Ball valve	
6	952969	X	Hose	
7	(855844)	1	Thermostat	Obsolete part



26 Vacuum Valve

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

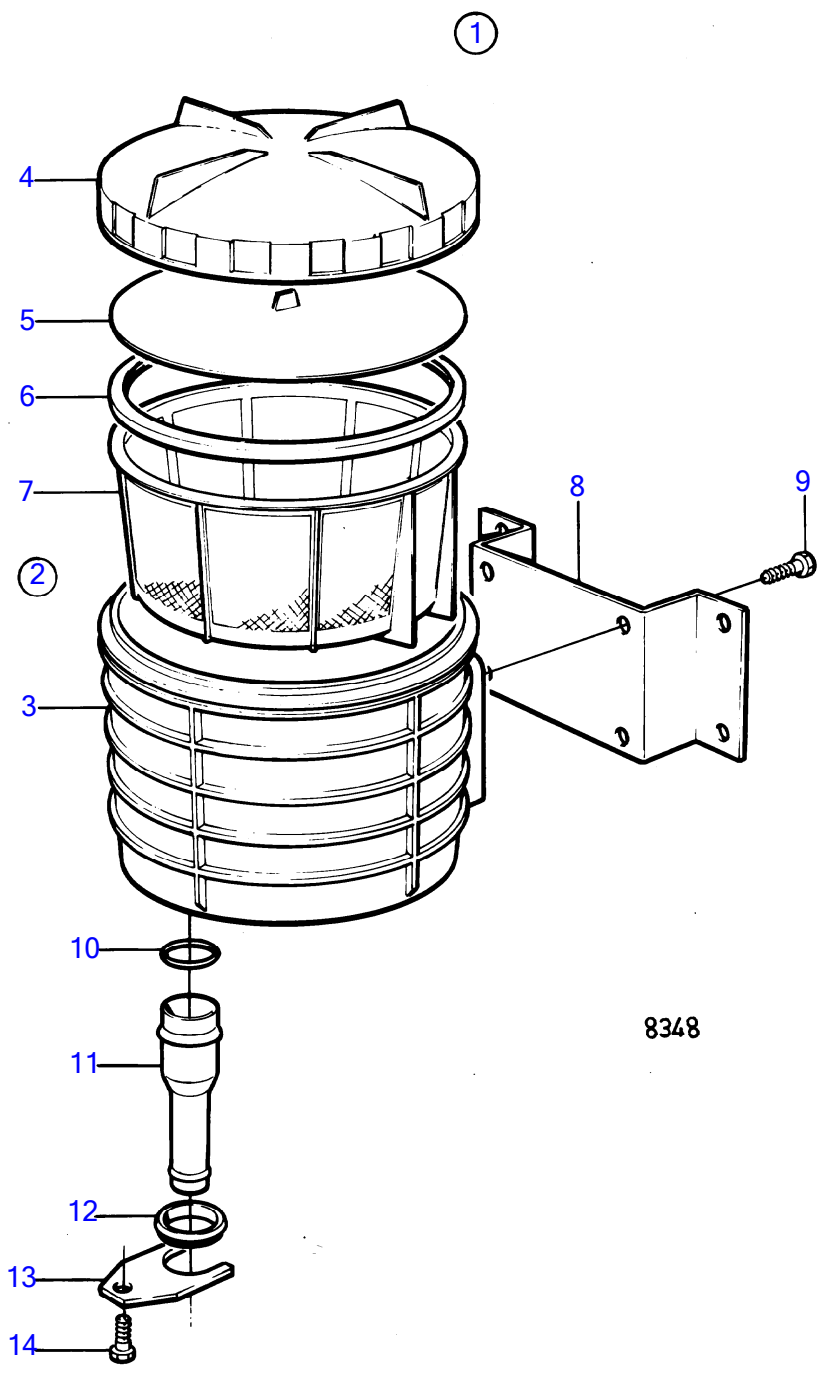
Ref	Part No.	Qty	Description	Notes
1	858588	1	Vacuum valve kit	Repl by 3581591
2	(828534)	1	• Vacuum valve	Obsolete part
3	828533	1	• • Upper section	Obsolete part
4		2	• • Diaphragm	Included in overhaul kit., Only 1 ea as spare part
5	828424	2	• • Gasket	Included in overhaul kit., Only 1 ea as spare part
6	828266	1	• • Lower section	
7	947282	2	• • Gasket	Included in overhaul kit., Only 1 ea as spare part
8	(828501)	1	• Branch pipe	Obsolete part
9	853548	4	• Hose clamp	
10	943473	1	• Hose clamp	
11	843747	1	• Anchorage	
12	976944	1	• Washer	(960141)
13	940142	1	• Hexagon screw	
14	952972	X	Hose	
15	3818424	1	Repair kit	(875738)



26 Sea Water Filter and Water Intake

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	1140034	1	Seawater filter	D=32mm
2	842466	1	• Seawater filter	
3		1	• • Housing	
4	3589331	1	• • Gasket kit	
5	843358	1	• • Filter	
6	3589331	1	• • Gasket kit	
7	843359	1	• • Cap	
8	843357	8	• • Nut	
9	(843362)	8	• • Screw	Obsolete part
10	844902	1	• Seawater filter	
11	844903	2	• Bushing	
12	828061	2	• Retainer	
13	961678	2	• Hose clamp	
14	828696	2	• Hose attachment	
15	961669	4	• Hose clamp	
16	1140129	1	Cooling water inlet	D=32mm
17	836876	1	• Strainer	
18	836879	1	• Nut	
19	1140125	1	• Ball valve	
20	828696	1	• Hose attachment	45°
21	961670	2	• Hose clamp	
22	1140664	X	Exhaust hose	D=32mm

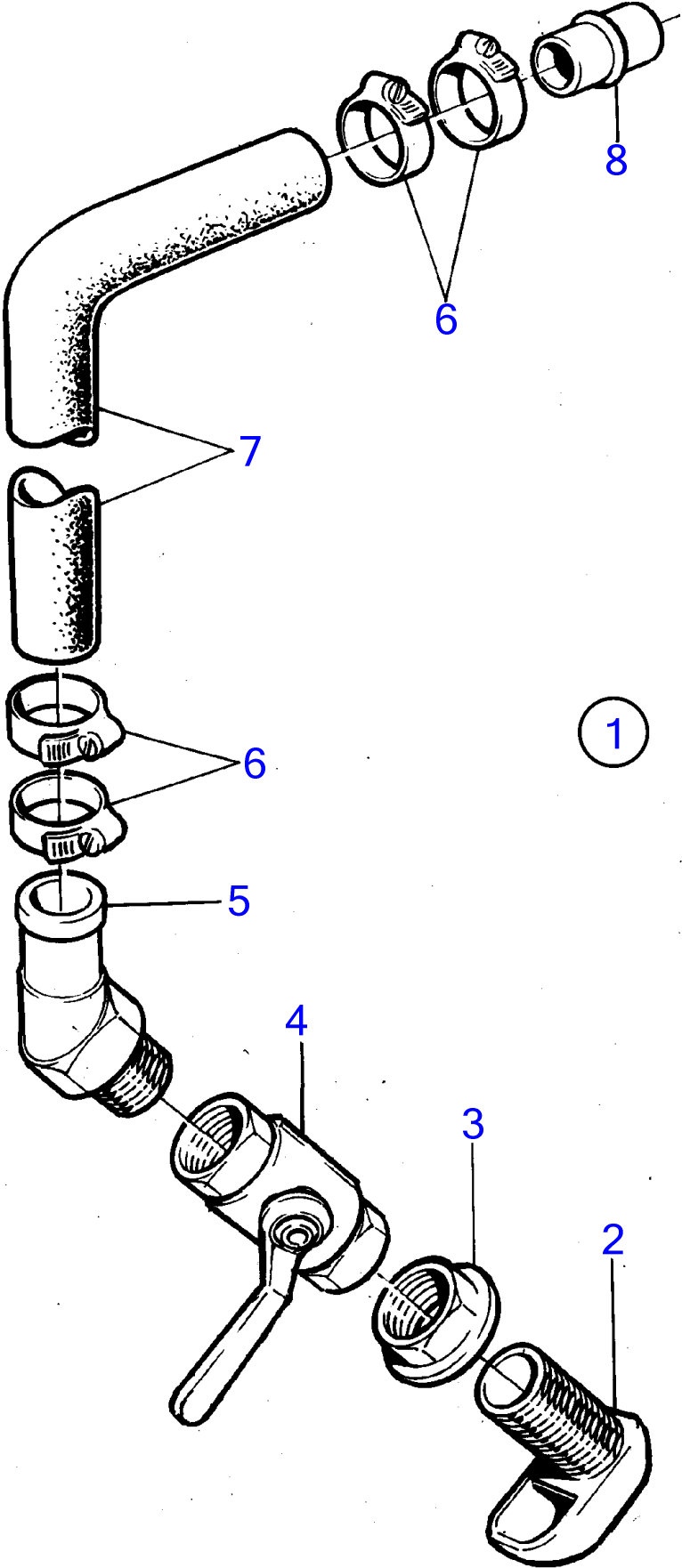


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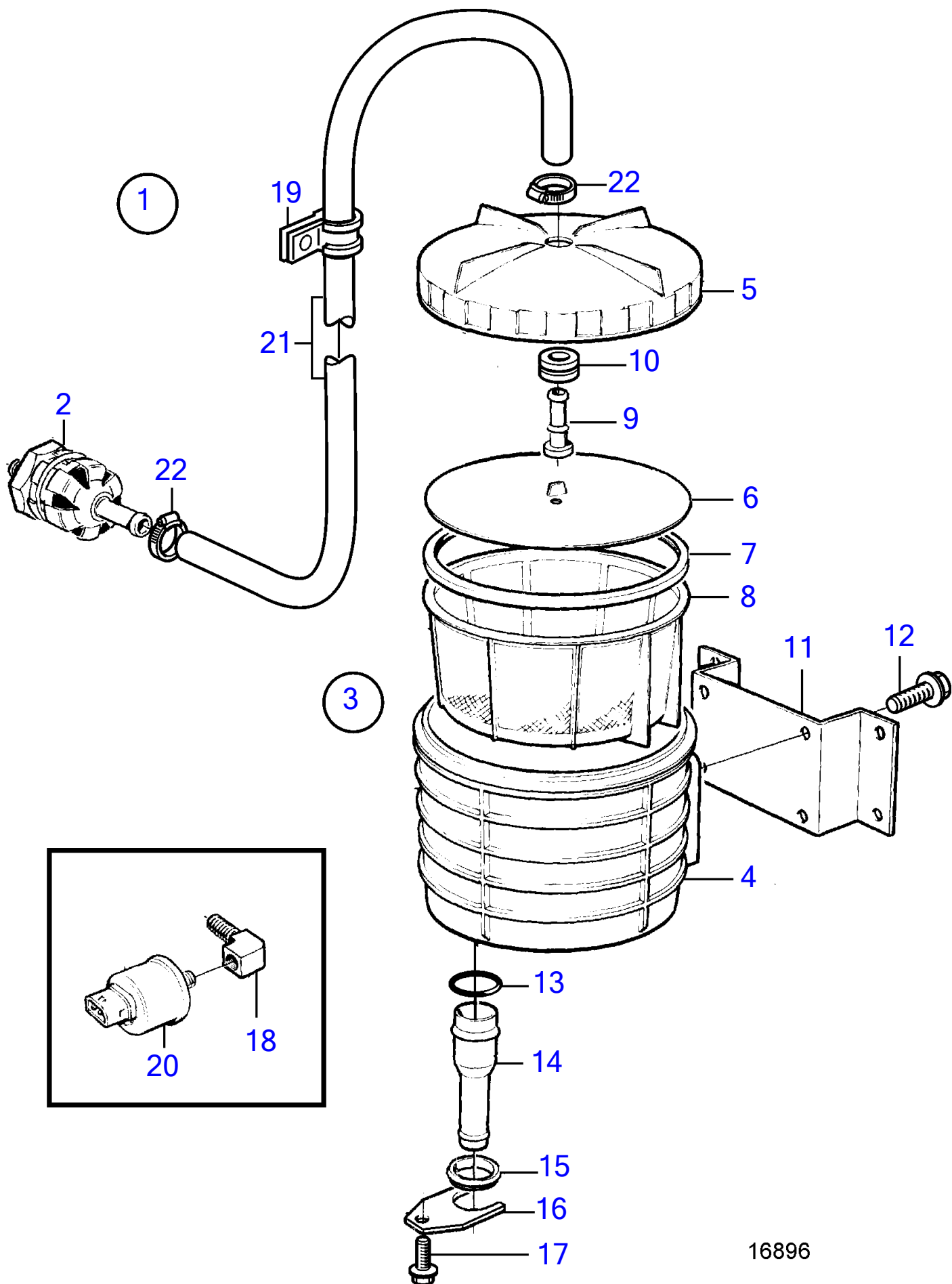
26 Sea Water Filter

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	21219698	1	Sea water filter	D=32mm
2	845337	1	• Seawater filter	
3	(845338)	1	• • Strainer housing	Obsolete part
4	845317	1	• • Cover	
5	22396396	1	• • Pressure plate	
6	838977	1	• • Seal	
7	858081	1	• • Strainer	
8	845960	1	• Bracket	
9	940199	4	• Hexagon screw	
10	845354	2	• Sealing ring	
11	21147617	1	• Connection pipe	L=80mm
	21147616	1	• Connection pipe	L=125mm
12	847017	2	• Pipe retainer	
13	21212198	2	• Retainer	
14	940199	2	• Hexagon screw	



Ref	Part No.	Qty	Description	Notes
1	1140129	1	Cooling water inlet	D=32mm
2	836876	1	• Strainer	
3	836879	1	• Nut	
4	1140125	1	• Ball valve	
5	828696	1	• Hose attachment	45°
6	22274885	X	Hose clamp	
7	1140664	X	Exhaust hose	(828461)
8	861090	1	Tube	For engines without power steering.



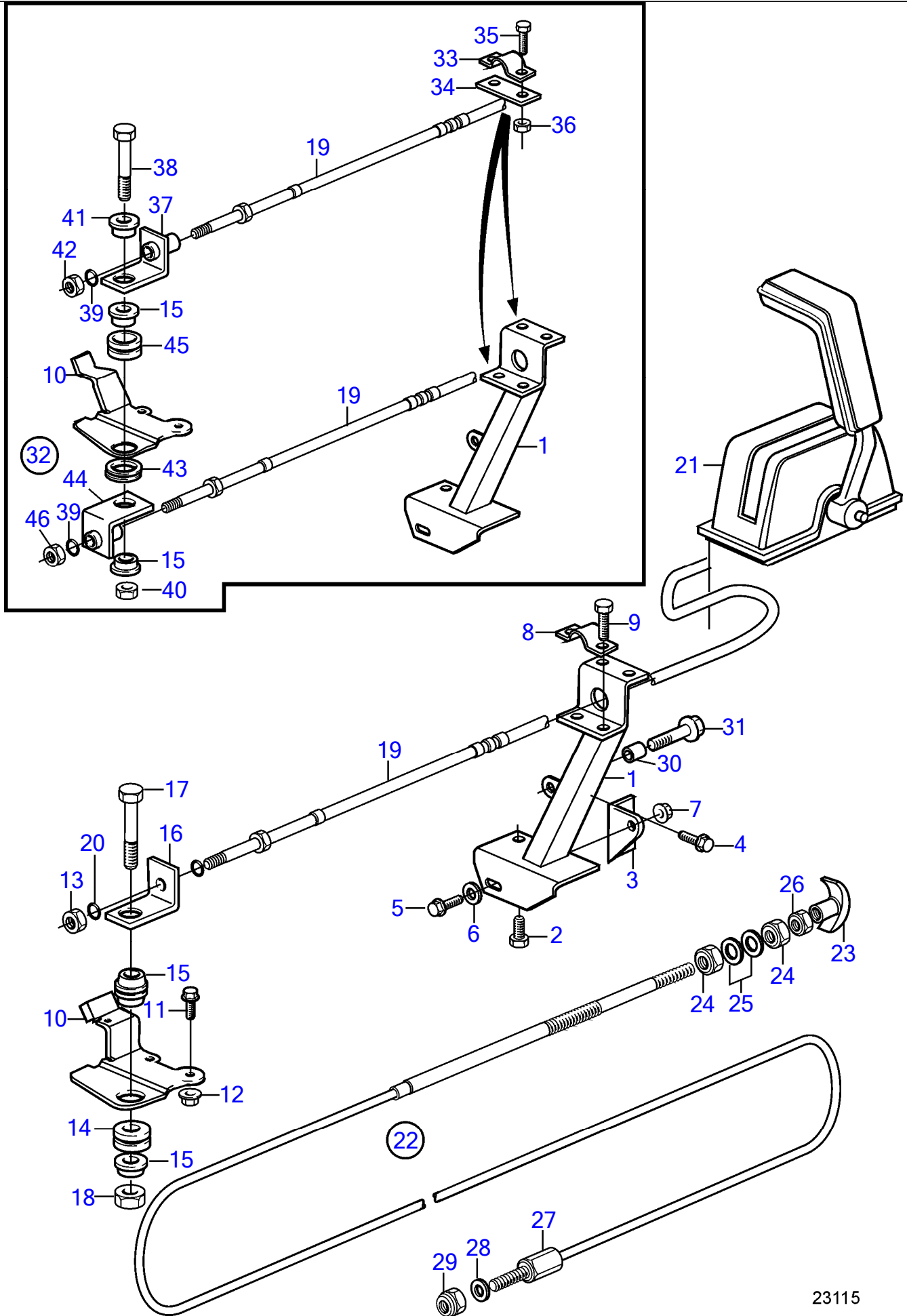
16896

26 Vacuum Valve and Sea Water Filter

TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD41H-A, TAMD41P-A, TAMD41L-A, TAMD41M-A,
TMD31L-A, TMD41L-A

Ref	Part No.	Qty	Description	Notes
1	(21219680)	1	Vacuum valve kit	Replaced by 2129680, Obsolete part
	(21219680)	1	Vacuum valve kit	Obsolete part
2	3581358	1	• Valve	
3	3581440	1	• Strainer	
4	(845338)	1	• • Strainer housing	Obsolete part
5	3581440	1	• • Strainer	
6	3581437	1	• • Pressure plate	
7	838977	1	• • Seal	
8	858081	1	• • Strainer	
9	3581439	1	• • Hose nipple	
10	843109	1	• • Bushing	
11	845960	1	• Bracket	
12	940199	4	• Hexagon screw	
13	845354	2	• Sealing ring	
14	21147617	1	• Connection pipe	L=80mm, (847106)
	21147616	1	• Connection pipe	L=125mm, (838582)
15	847017	2	• Pipe retainer	
16	21212198	2	• Retainer	(847018)
17	940199	2	• Hexagon screw	
18	16218	1	• Elbow nipple	
19	952630	2	• Clamp	
20		1	Oil pressure sensor	See group 30
21	943367	X	Rubber hose	
22	961663	2	Hose clamp	

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L
23115

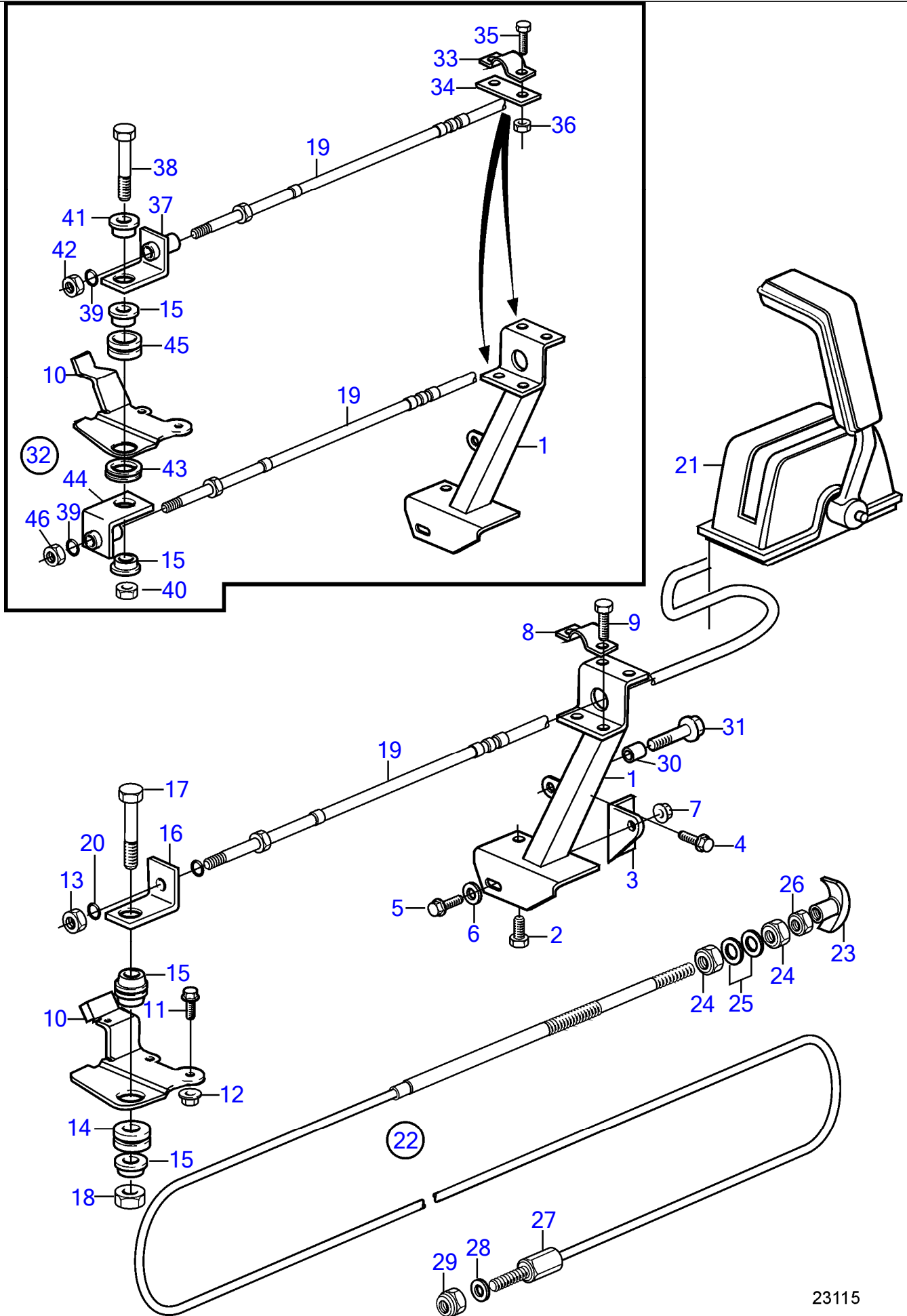


27 Control Connection, Speed and Stop Control

AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A

Ref	Part No.	Qty	Description	Notes
1	858552	1	Bracket	
2	946471	1	Flange screw	L=16mm
	946441	1	Flange screw	L=20mm
3	838753	1	Bracket	
4	946440	2	Flange screw	
5	945444	1	Flange screw	
6	191172	1	Washer	
7	948645	1	Flange lock nut	
8	21471054	1	Bracket	
9	969407	2	6 point socket screw	(956078)
10	(858261)	1	Lever	Obsolete part
11	946544	1	Flange screw	
12	949278	1	Flange lock nut	
13	951674	1	Lock nut	
14	843109	1	Bushing	
15	843105	3	Spacer washer	
16	843107	1	Anchorage	
17	955274	1	Hexagon screw	
18	946035	1	Lock nut	
19		1	Control cable	
20	955971	1	O-ring	
21		1	Control	
22	(818478)	1	Push pull control	L=3,3m, Obsolete part
	(818470)	1	Push pull control	L=6,9m, Obsolete part
23	(829241)	1	• Handle	Obsolete part
24	955857	2	• Hexagon nut	
25	955950	2	• Toothed washer	
26	955844	1	• Hexagon nut	
27	829070	1	Cable lock	
28	955894	2	Washer	
29	(950363)	1	Lock nut	Obsolete part
30		1	Spacer sleeve	
31	947542	1	Flange screw	
32	(3581042)	1	Engine speed control	For double steering positions., Obsolete part
33	21471054	1	• Bracket	
34	819068	1	• Washer	
35	969407	2	• 6 point socket screw	(956078)
36	951674	2	• Lock nut	
37	861215	1	• Bracket	
38	955275	1	• Hexagon screw	
39	955971	2	• O-ring	
40	946035	1	• Lock nut	
41	843105	1	• Spacer washer	
42	951674	1	• Lock nut	
43	843105	1	• Spacer washer	
44	861214	1	• Bracket	
45	843109	1	• Bushing	
46	951674	1	• Lock nut	

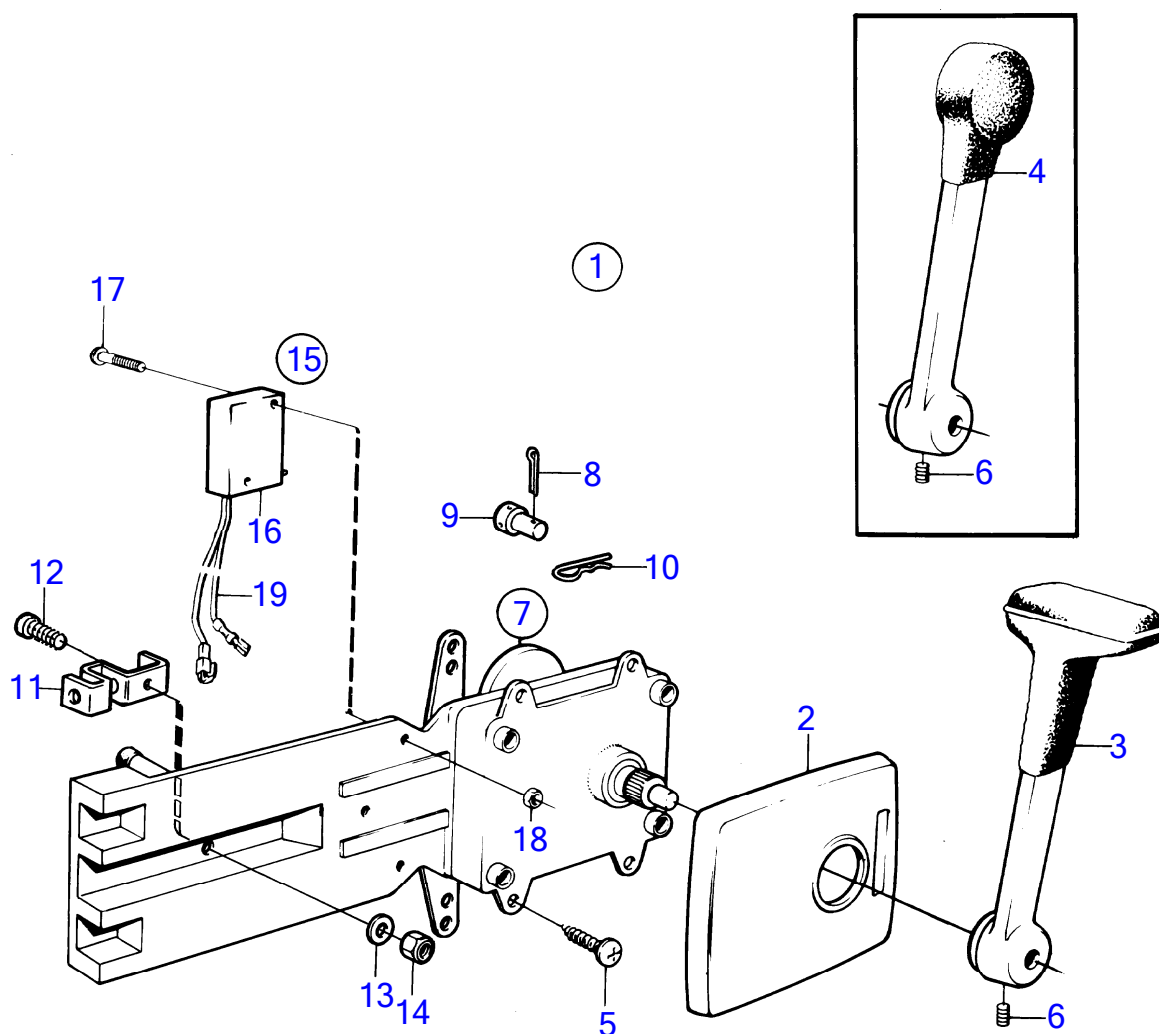
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TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L
23115



27 Control Connection, Speed and Stop Control

AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

Ref	Part No.	Qty	Description	Notes
1	838783	1	Bracket	
2	946471	1	Flange screw	L=16mm
	946441	1	Flange screw	L=20mm
3	838753	1	Bracket	
4	946440	2	Flange screw	
5	945444	1	Flange screw	
6	191172	1	Washer	
7	948645	1	Flange lock nut	
8	21471054	1	Bracket	
9	969407	2	6 point socket screw	(956078)
10	(858261)	1	Lever	Obsolete part
11	946544	1	Flange screw	
12	949278	1	Flange lock nut	
13	951674	1	Lock nut	
14	843109	1	Bushing	
15	843105	3	Spacer washer	
16	843107	1	Anchorage	
17	955274	1	Hexagon screw	
18	946035	1	Lock nut	
19		1	Control cable	
20	955971	1	O-ring	
21		1	Control	
22	(818478)	1	Push pull control	L=3,3m, Obsolete part
	(818470)	1	Push pull control	L=6,9m, Obsolete part
23	(829241)	1	• Handle	Obsolete part
24	955857	2	• Hexagon nut	
25	955950	2	• Toothed washer	
26	955844	1	• Hexagon nut	
27	829070	1	Cable lock	
28	955894	2	Washer	
29	(950363)	1	Lock nut	Obsolete part
30		1	Spacer sleeve	
31	947542	1	Flange screw	
32	(3581042)	1	Engine speed control	For double steering positions., Obsolete part
33	21471054	1	• Bracket	
34	819068	1	• Washer	
35	969407	2	• 6 point socket screw	(956078)
36	951674	2	• Lock nut	
37	861215	1	• Bracket	
38	955275	1	• Hexagon screw	
39	955971	2	• O-ring	
40	946035	1	• Lock nut	
41	843105	1	• Spacer washer	
42	951674	1	• Lock nut	
43	843105	1	• Spacer washer	
44	861214	1	• Bracket	
45	843109	1	• Bushing	
46	951674	1	• Lock nut	

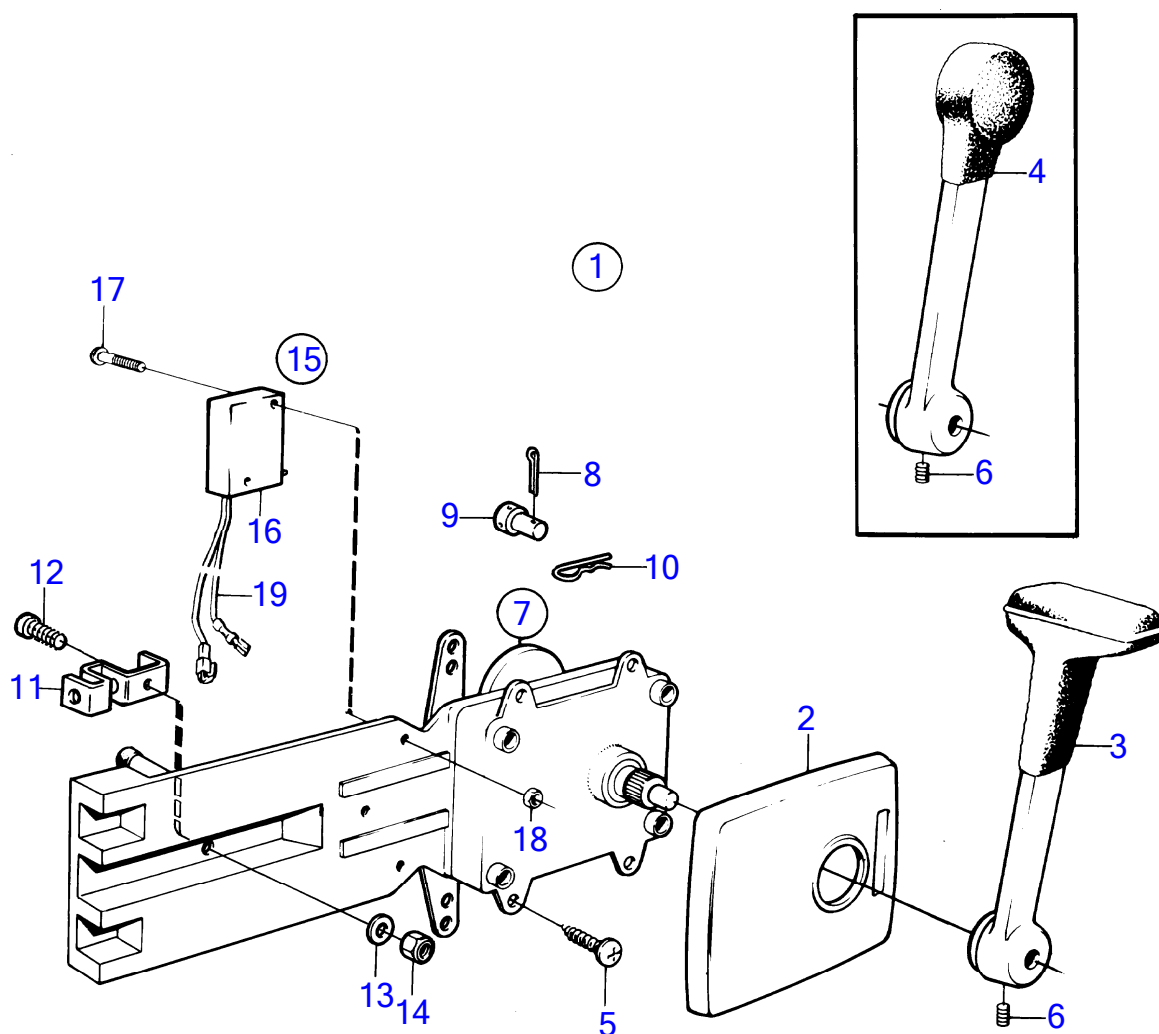


9584

27 Control for Side Installation, PC740: PC740

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	851604	1	Mounting kit	Repl by 1140092
2	1140048	1	• Cover	
3	839520	1	• Hand lever	
5	955142	4	• Cross recessed screw	
6	839693	1	• Lock screw	
7	851601	1	Control	
			• Bulletin P-44-5-22	Launch of new sailboat control
8	17253	2	• Cotter pin	
9	839638	2	• Cube	
10	852924	1	• Lock pin	
11	853423	1	• Retainer	
12	839664	1	• Screw	
13	940275	1	• Washer	
14	946435	1	• Lock nut	
15	855352	1	Neutral position con	
			• Bulletin P-44-5-22	Launch of new sailboat control
16	850200	1	• Toggle switch	
17	946177	2	• Cross recessed screw	
18	947536	2	• Hexagon nut	
19		X	• electrical materials	

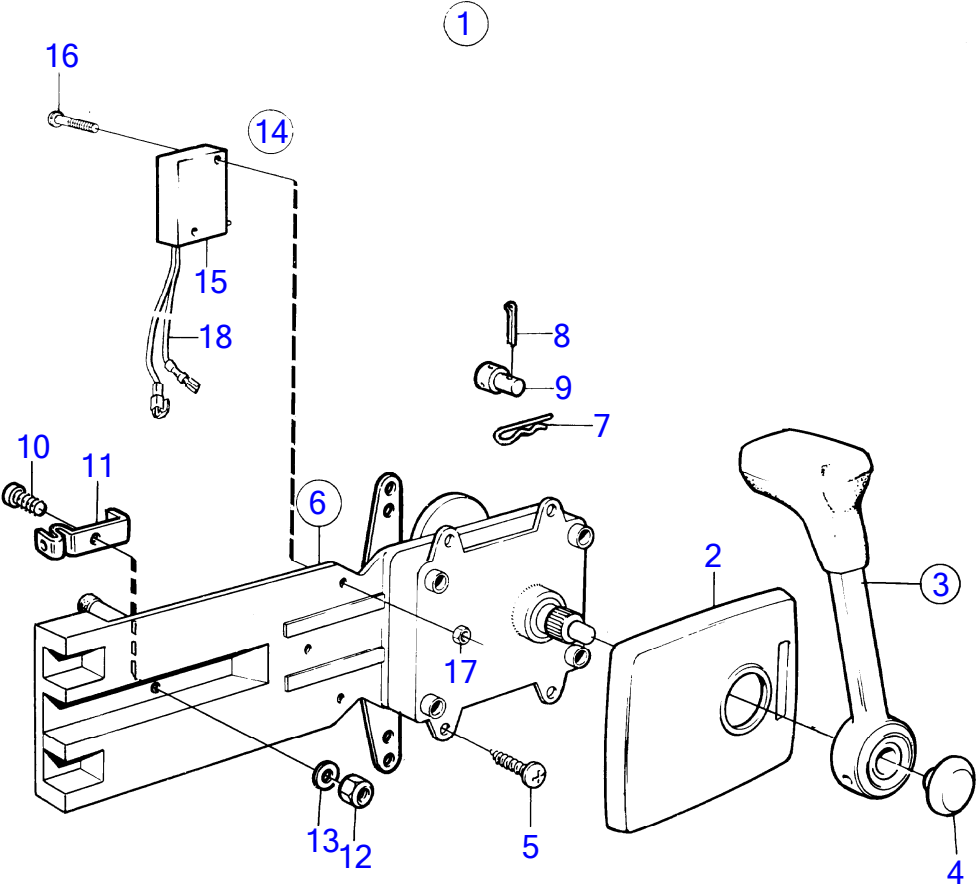


9584

27 Control for Side Installation, PC740: PC740, SAILING BOAT

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAM31L-A, TAM31M-A, TAM31P-A, TAM31S-A, TAM41H-A, TAM41H-B, TAM41P-A, TAM41L-A, TAM41M-A, TMD31L-A, TMD41L-A, TAM31S, TAM31L, TAM31P, TAM41P

Ref	Part No.	Qty	Description	Notes
1	851605	1	Mounting kit	
2	1140048	1	• Cover	
4	839521	1	• Hand lever	
5	955142	4	• Cross recessed screw	
6	839693	1	• Lock screw	
7	851601	1	Control	
			Bulletin P-44-5-22	Launch of new sailboat control
8	17253	2	• Cotter pin	
9	839638	2	• Cube	
10	852924	1	• Lock pin	
11	853423	1	• Retainer	
12	839664	1	• Screw	
13	940275	1	• Washer	
14	946435	1	• Lock nut	
15	855352	1	Neutral position con	
			Bulletin P-44-5-22	Launch of new sailboat control
16	850200	1	• Toggle switch	
17	946177	2	• Cross recessed screw	
18	947536	2	• Hexagon nut	
19		X	• electrical materials	

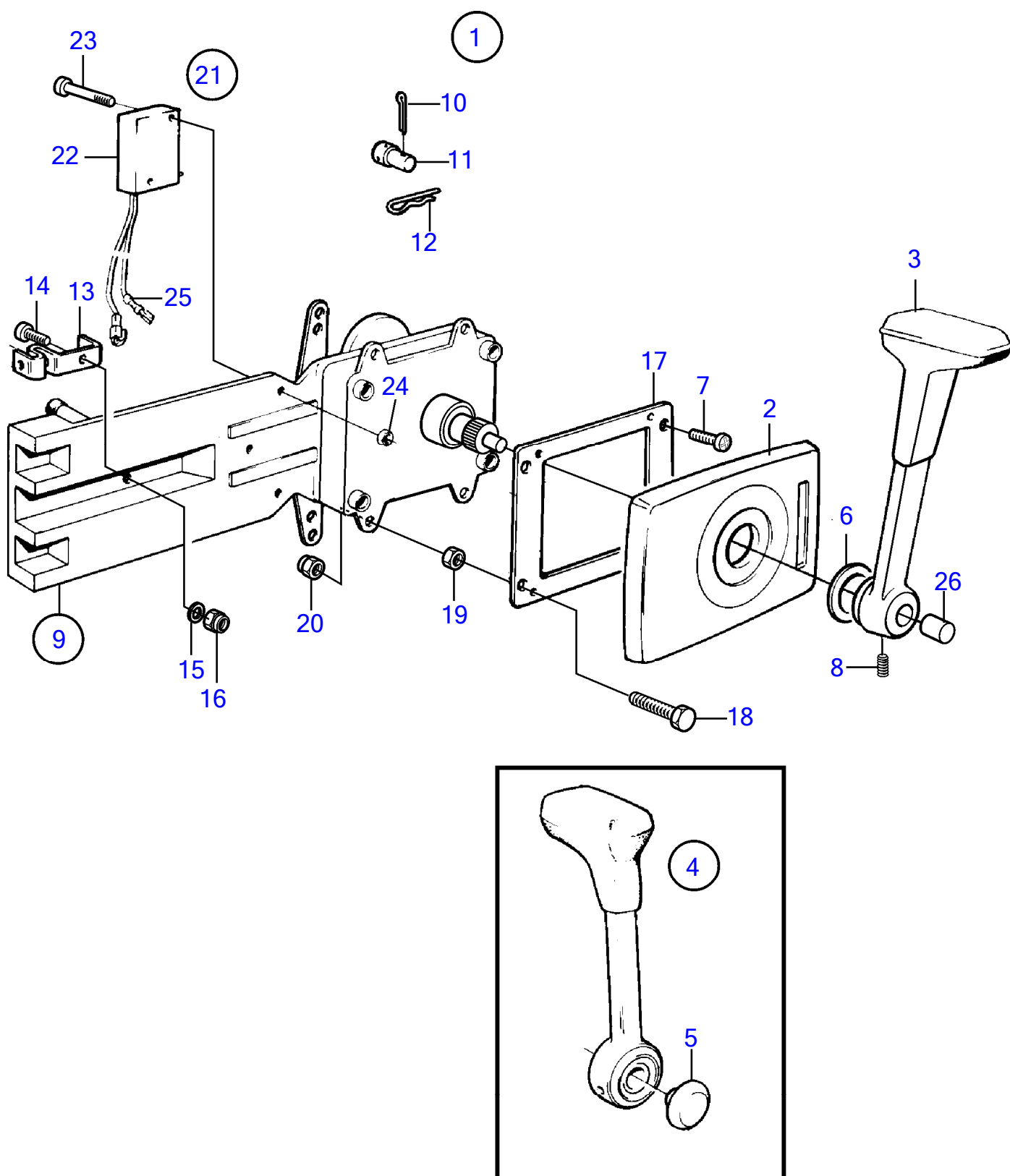


9606

27 Control for Side Installation, PC840

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

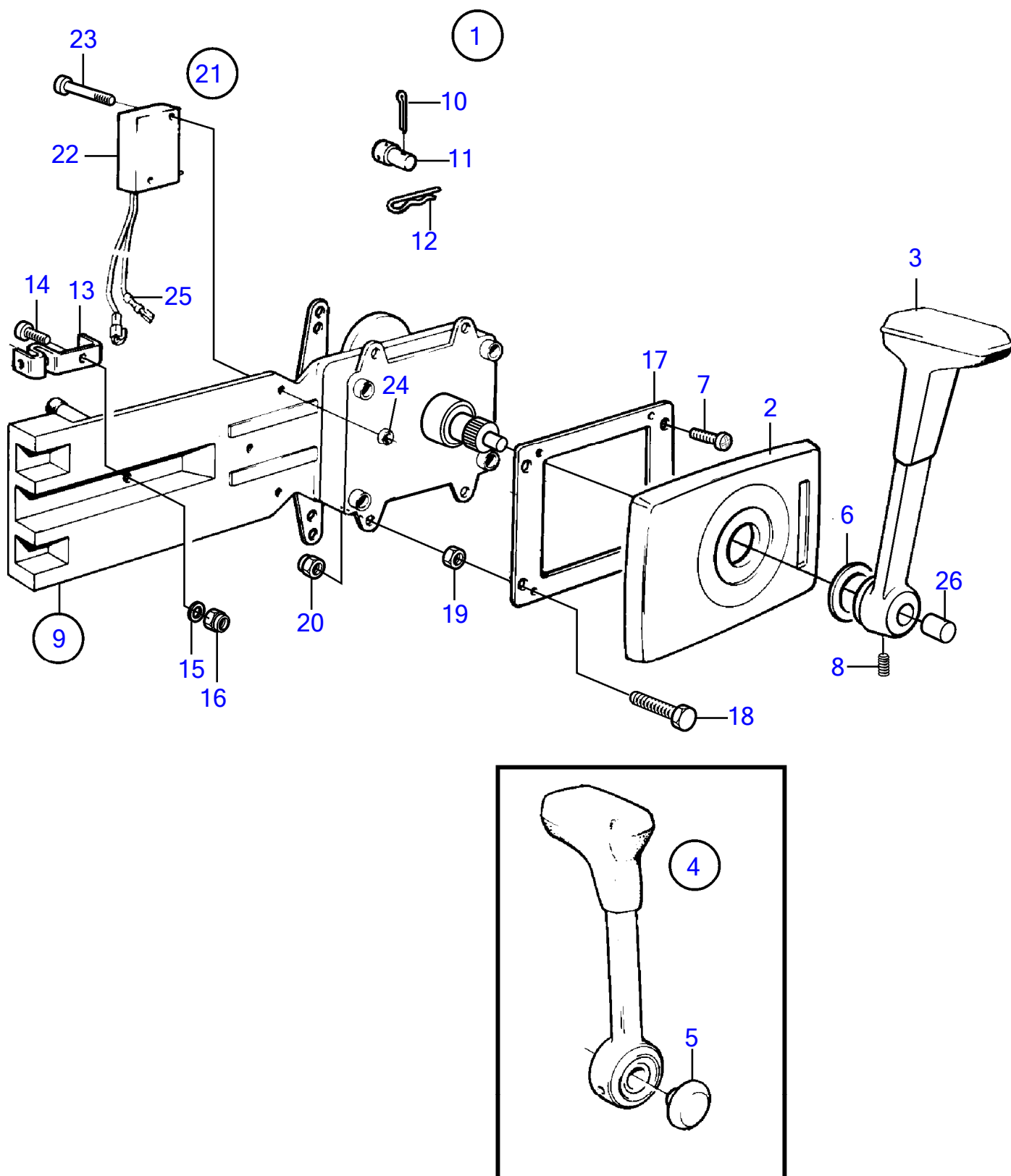
Ref	Part No.	Qty	Description	Notes
1	853102	1	Mounting kit	Replaced by 1140090
2	1140048	1	• Cover	
3	852347	1	• Hand lever	
			• .	
			• .	
4	853004	1	• Push button	
5	955142	4	• Cross recessed screw	
6	851601	1	Control	
			• Bulletin P-44-5-22	Launch of new sailboat control
7	852924	1	• Lock pin	
8	17253	2	• Cotter pin	
9	839638	2	• Cube	
10	839664	1	• Screw	
11	853423	1	• Retainer	
12	946435	1	• Lock nut	
13	940275	1	• Washer	
14	855352	1	Neutral position con	
			• Bulletin P-44-5-22	Launch of new sailboat control
15	850200	1	• Toggle switch	
16	946177	2	• Cross recessed screw	
17	947536	2	• Hexagon nut	
18		X	• electrical materials	



27 Control for Side Installation, PC741, PC841: PC741

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

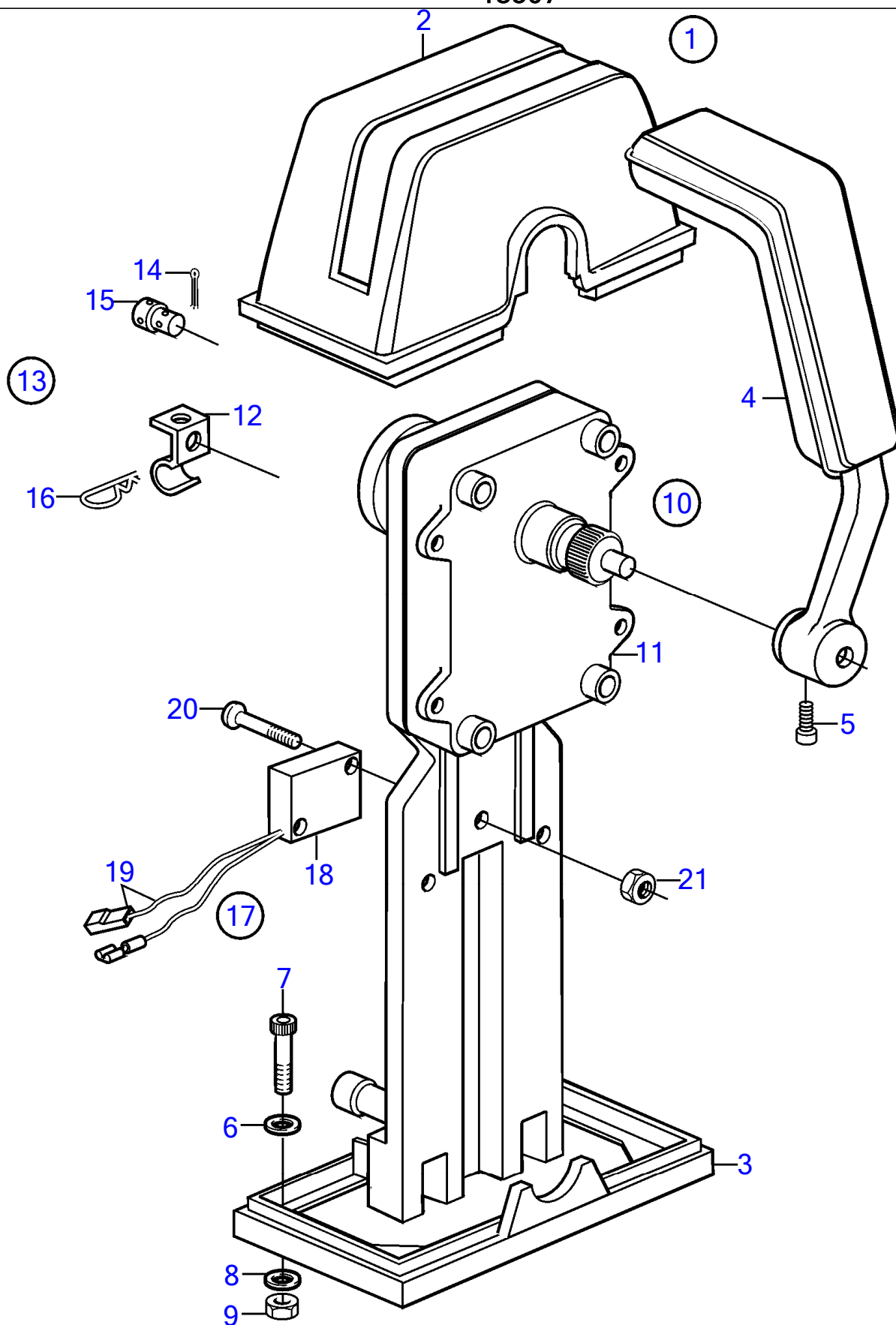
Ref	Part No.	Qty	Description	Notes
1	1140092	1	Mounting kit	
2	853713	1	• Cover	
3	839520	1	• Bulletin P-44-5-22	Launch of new sailboat control
4			• Hand lever	
6	1140094	1	• Washer	
7	961330	4	• Cross recessed screw	
8	839693	1	• Lock screw	
9	1140095	1	Control mechanism	
			• Bulletin P-44-5-22	Launch of new sailboat control
10	17253	2	• Cotter pin	
11	839638	2	• Cube	
12	852924	1	• Lock pin	
13	853423	1	• Retainer	
14	839664	1	• Screw	
15	940275	1	• Washer	
16	946435	1	• Lock nut	
17		1	• Attaching plate	
18	963548	4	• Hexagon screw	
19		4	• Nut	
20	946435	4	• Lock nut	
21	855352	1	Neutral position con	
			• Bulletin P-44-5-22	Launch of new sailboat control
22	850200	1	• Toggle switch	
23	946177	2	• Cross recessed screw	
24	947536	2	• Hexagon nut	
25		X	• cables and terminals	
26	839632	1	Button	



27 Control for Side Installation, PC741, PC841: PC841

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

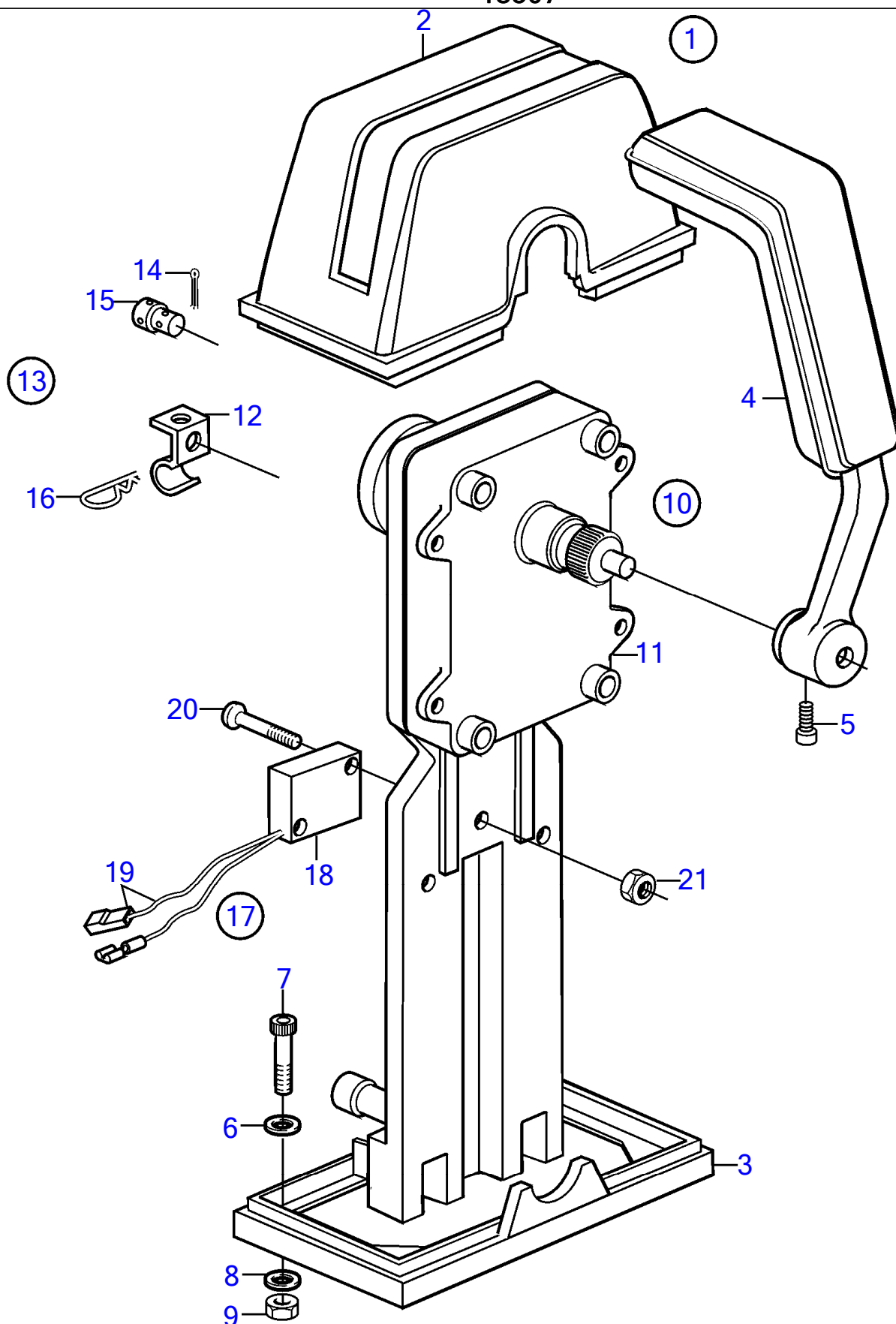
Ref	Part No.	Qty	Description	Notes
1	1140090	1	Mounting kit	
2	853713	1	• Cover	
4	852347	1	Bulletin P-44-5-22 • Hand lever	Launch of new sailboat control
5	853004	1	• Push button	
7	961330	4	• Cross recessed screw	
9	1140095	1	Control mechanism Bulletin P-44-5-22	Launch of new sailboat control
10	17253	2	• Cotter pin	
11	839638	2	• Cube	
12	852924	1	• Lock pin	
13	853423	1	• Retainer	
14	839664	1	• Screw	
15	940275	1	• Washer	
16	946435	1	• Lock nut	
17		1	• Attaching plate	
18	963548	4	• Hexagon screw	
19		4	• Nut	
20	946435	4	• Lock nut	
21	855352	1	Neutral position con Bulletin P-44-5-22	Launch of new sailboat control
22	850200	1	• Toggle switch	
23	946177	2	• Cross recessed screw	
24	947536	2	• Hexagon nut	
25		X	• cables and terminals	



27 Control for top Installation, PC740: SINGLE

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

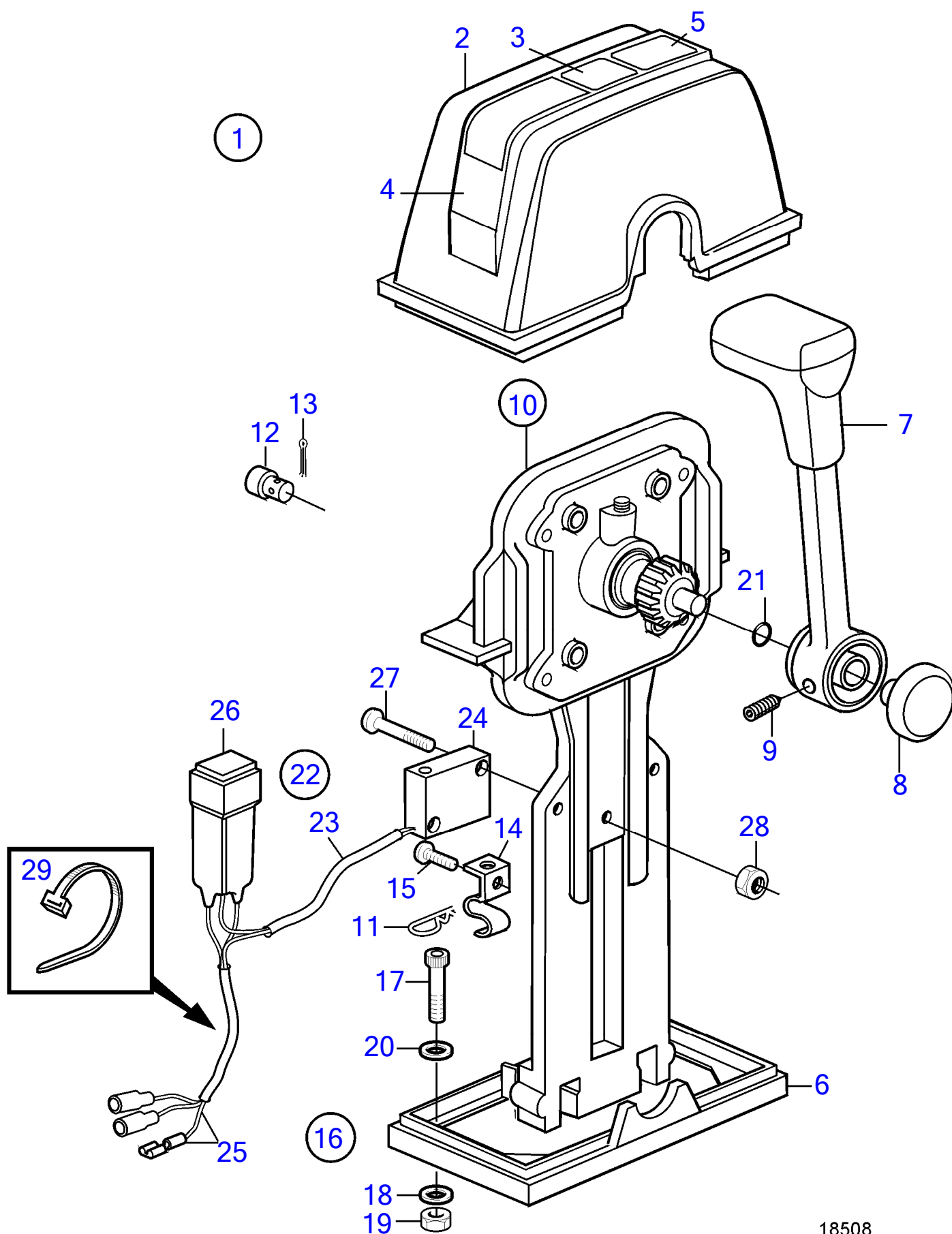
Ref	Part No.	Qty	Description	Notes
1	(851602)	1	Mounting kit	For single installation., Obsolete part
2	(850823)	1	• Cover	Obsolete part
3	839474	1	• Plate	
4	839475	1	• Hand lever	
5	839693	1	• Lock screw	
6	940090	2	• Washer	
7	947671	4	• Hex. socket screw	
8	960138	4	• Washer	
9	955780	4	• Hexagon nut	
10	851600	1	Control	
11	(851666)	1	• Control mechanism	Obsolete part
12	853423	1	• Retainer	
13	(851712)	1	• Connector kit	Obsolete part
14	17253	2	• • Cotter pin	
15	839638	2	• • Cube	
16	852924	1	• • Lock pin	
17	855352	1	Neutral position con	Launch of new sailboat control
			• Bulletin P-44-5-22	
18	850200	1	• Toggle switch	
19		X	• • cables and terminals	
20	946177	2	• Cross recessed screw	
21	947536	2	• Hexagon nut	



27 Control for top Installation, PC740: TWIN

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

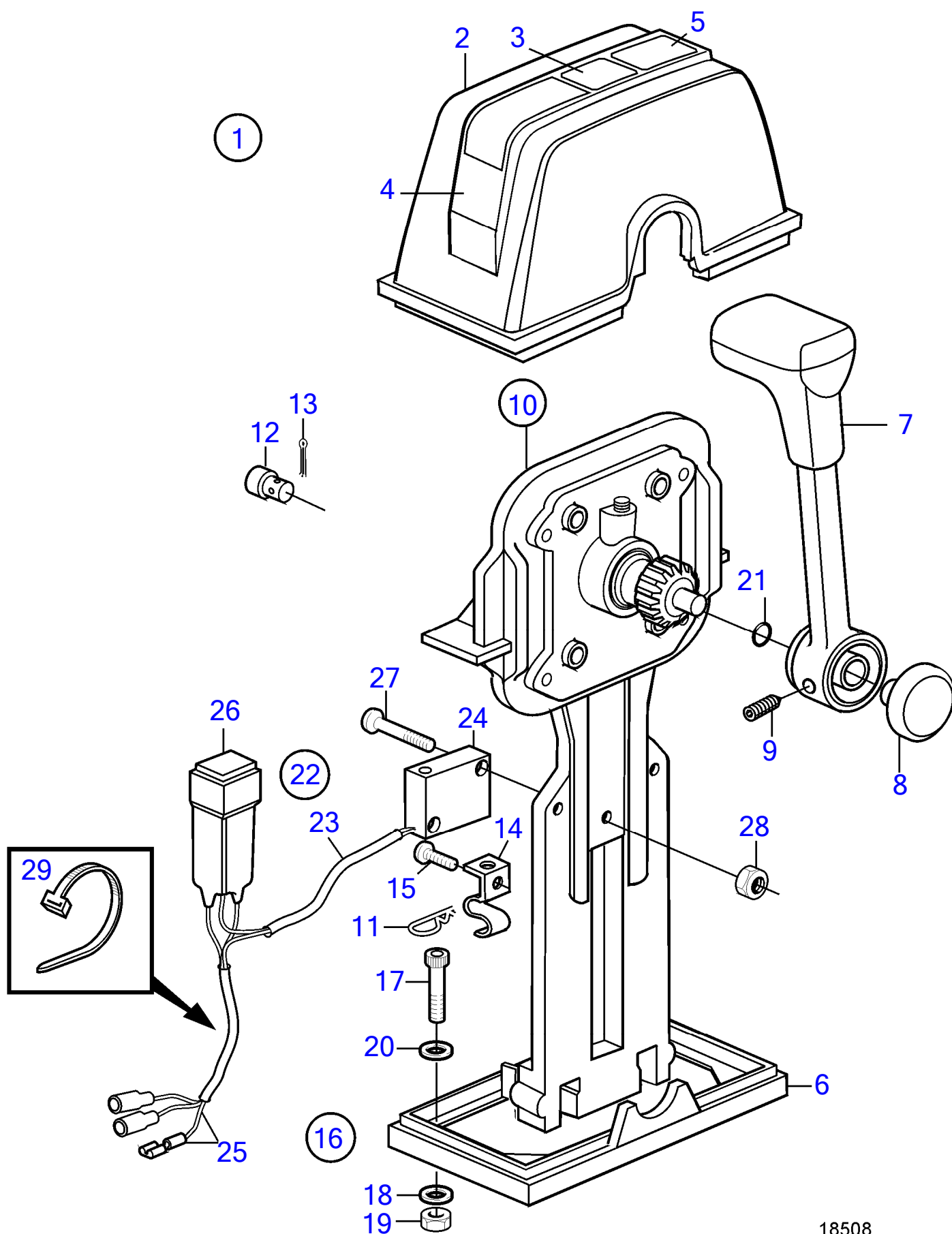
Ref	Part No.	Qty	Description	Notes
1	(851603)	1	Mounting kit	For twin installation., Obsolete part
2	(850824)	1	• Cover	Obsolete part
3	839479	1	• Plate	
4	839475	2	• Hand lever	
5	839693	2	• Lock screw	
6	940090	2	• Washer	
7	947671	6	• Hex. socket screw	
8	960138	6	• Washer	
9	955780	6	• Hexagon nut	
10	851600	2	Control	
11	(851666)	2	• Control mechanism	Obsolete part
12	853423	2	• Retainer	
13	(851712)	2	• Connector kit	Obsolete part
14	17253	4	• • Cotter pin	
15	839638	4	• • Cube	
16	852924	2	• • Lock pin	
17	855352	2	Neutral position con Bulletin P-44-5-22	Launch of new sailboat control
18	850200	2	• Toggle switch	
19		X	• • cables and terminals	
20	946177	4	• Cross recessed screw	
21	947536	4	• Hexagon nut	



27 Control for top Installation, PC840: 853168

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

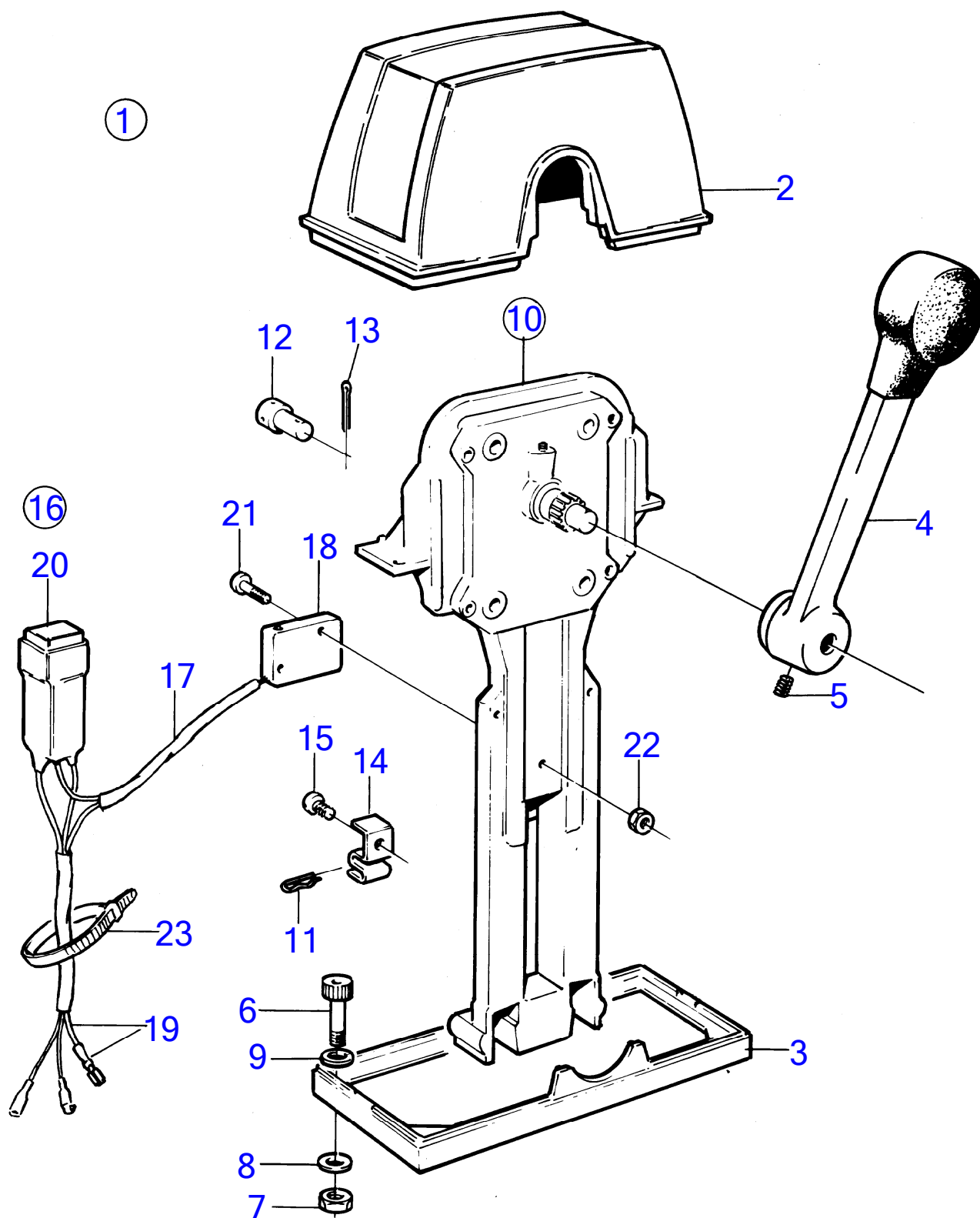
Ref	Part No.	Qty	Description	Notes
1	(853168)	1	Mounting kit	For single installation., Obsolete part
2	(1140046)	1	• Cover	Obsolete part
3	851896	2	• • Decal	
4	(851892)	1	• • Crossbar	Obsolete part
5	(851898)	1	• • Decal	Obsolete part
6	839474	1	• • Plate	
7	852347	1	Hand lever	
			•	
			•	
8		1	• Push button	Included in complete handle.
9		1	• Screw	Included in complete handle.
10	851600	1	Control	
11	852924	1	• Lock pin	
12	839638	1	• Cube	
13	17253	1	• Cotter pin	
14	853423	1	• Retainer	
15	839664	1	• Screw	
16		1	Screw kit	
17	947671	4	• Hex. socket screw	
18	960138	4	• Washer	
19	955780	4	• Hexagon nut	
20	940090	4	• Washer	
21	925058	1	• O-ring	
22	855352	1	Neutral position con	
			• Bulletin P-44-5-22	Launch of new sailboat control
23	(839619)	1	• Cable kit	Obsolete part
24	850200	1	• • Toggle switch	
25		X	• • cables and terminals	
26	876037	1	• Relay kit	
27	946177	2	• Cross recessed screw	
28	947536	2	• Hexagon nut	
29	948211	X	• Cable tie	



27 Control for top Installation, PC840: 853169

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAM31L-A, TAM31M-A, TAM31P-A, TAM31S-A, TAM41H-A, TAM41H-B, TAM41P-A, TAM41L-A, TAM41M-A, TMD31L-A, TMD41L-A, TAM31S, TAM31L, TAM31P, TAM41P

Ref	Part No.	Qty	Description	Notes
1	(853169)	1	Mounting kit	For twin installation., Obsolete part
2	(851881)	1	• Cover	Obsolete part
3	(851895)	2	• • Decal	Obsolete part
4		1	• • Crossbar	
5	851897	1	• • Decal	
6	839479	1	• • Plate	
7	852347	2	Hand lever	
8		2	• Push button	Included in complete handle.
9		2	• Screw	Included in complete handle.
10	851600	2	Control	
11	852924	2	• Lock pin	
12	839638	2	• Cube	
13	17253	2	• Cotter pin	
14	853423	2	• Retainer	
15	839664	2	• Screw	
16		1	Screw kit	
17	947671	4	• Hex. socket screw	
18	960138	4	• Washer	
19	955780	4	• Hexagon nut	
20	940090	4	• Washer	
21	925058	2	• O-ring	
22	855352	2	Neutral position con Bulletin P-44-5-22	Launch of new sailboat control
23	(839619)	2	• Cable kit	Obsolete part
24	850200	2	• • Toggle switch	
25		X	• • cables and terminals	
26	876037	2	• Relay kit	
27	946177	4	• Cross recessed screw	
28	947536	4	• Hexagon nut	
29	948211	X	• Cable tie	

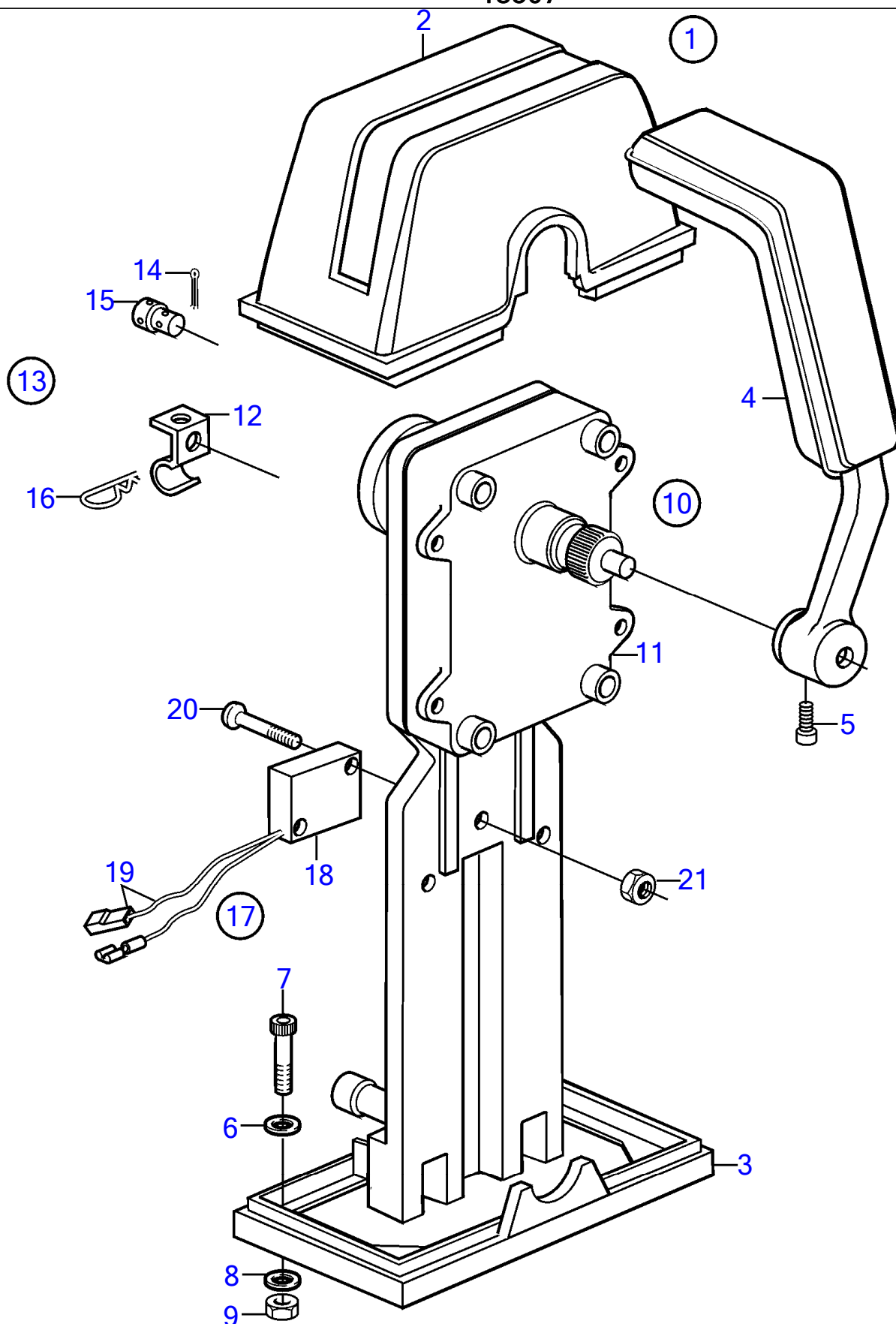


8862

27 Control for top Installation, PC740 Sail Boat

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

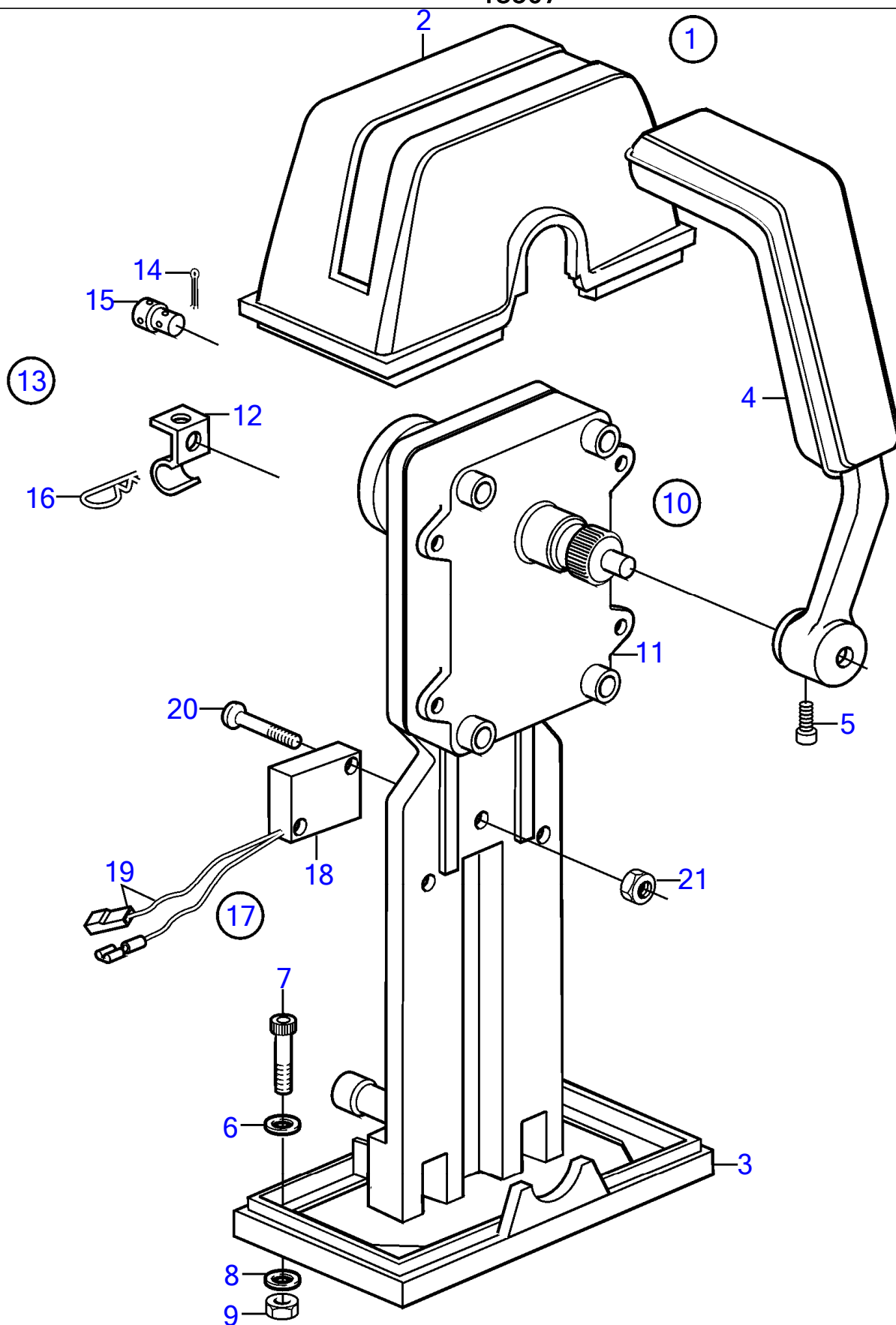
Ref	Part No.	Qty	Description	Notes
1	(1140022)	1	Mounting kit	Obsolete part
2	(850823)	1	• Cover	Obsolete part
3	839474	1	• Plate	
4	839521	1	• Hand lever	
5	839693	1	• Lock screw	
6	947671	4	• Hex. socket screw	
7	955780	4	• Hexagon nut	
8	960138	4	• Washer	
9	940090	2	• Washer	
10	851600	1	Control	
11	852924	1	• Lock pin	
12	839638	2	• Cube	
13	17253	2	• Cotter pin	
14	853423	1	• Retainer	
15	839664	1	• Screw	
16	855352	1	Neutral position con	
			• Bulletin P-44-5-22	Launch of new sailboat control
17	(839619)	1	• Cable kit	Obsolete part
18	850200	1	• • Toggle switch	
19		X	• • cables and terminals	
20	876037	1	• Relay kit	
21	946177	2	• Cross recessed screw	
22	947536	2	• Hexagon nut	
23	948211	X	• Cable tie	



27 Control for top Installation, PC740: SINGLE

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

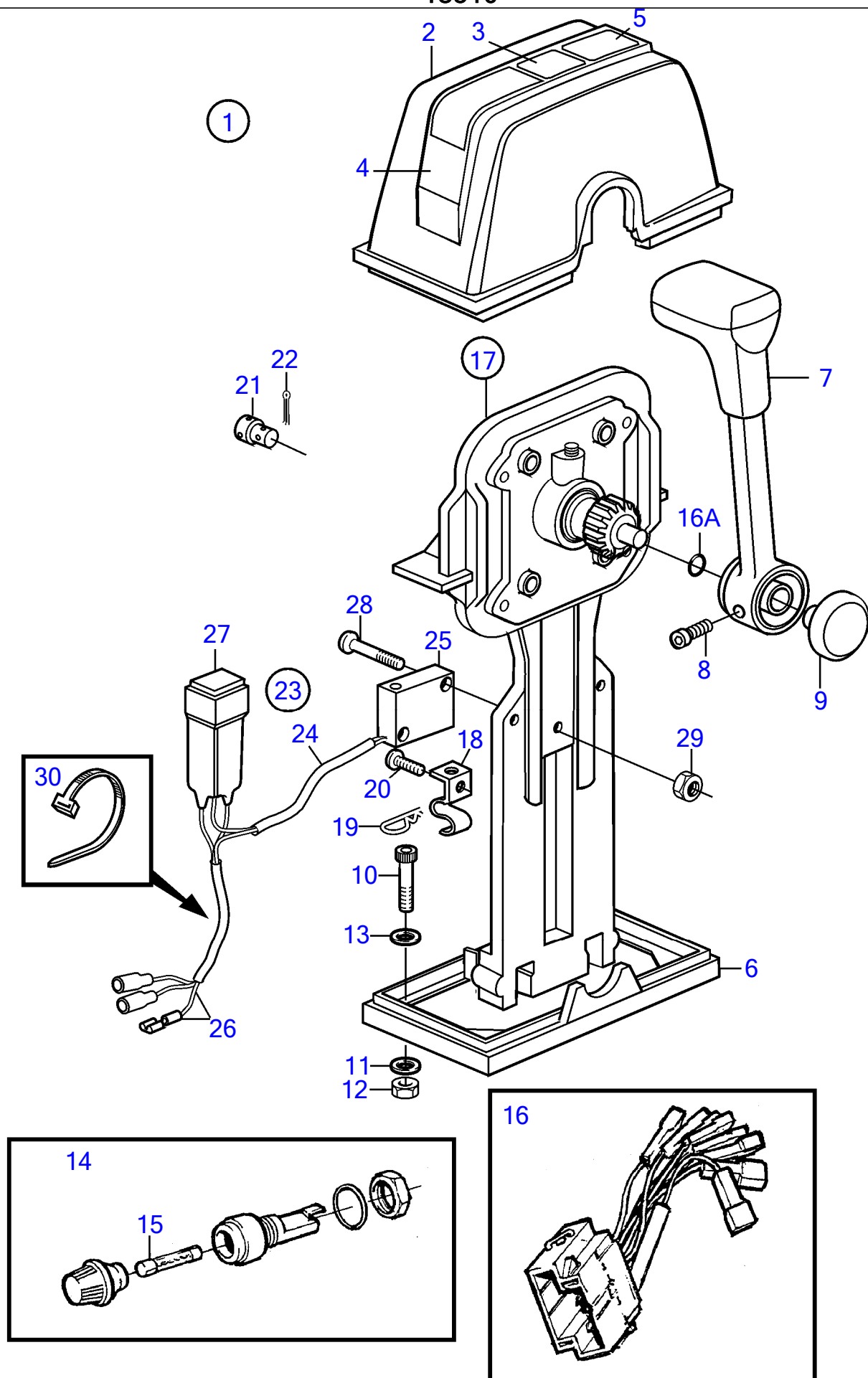
Ref	Part No.	Qty	Description	Notes
1	(851602)	1	Mounting kit	For single installation., Obsolete part
2	(850823)	1	• Cover	Obsolete part
3	839474	1	• Plate	
4	839475	1	• Hand lever	
5	839693	1	• Lock screw	
6	947671	4	• Hex. socket screw	
7	940090	2	• Washer	
8	955780	4	• Hexagon nut	
9	960138	4	• Washer	
10	851600	1	Control	
11	(851666)	1	• Control mechanism	Obsolete part
12	853423	1	• Retainer	
13	(851712)	1	• Connector kit	Obsolete part
14	17253	2	• • Cotter pin	
15	839638	2	• • Cube	
16	852924	1	• • Lock pin	
17	855352	1	Neutral position con • Bulletin P-44-5-22	Launch of new sailboat control
18	850200	1	• Toggle switch	
19		X	• • cables and terminals	
20	946177	2	• Cross recessed screw	
21	947536	2	• Hexagon nut	



27 Control for top Installation, PC740: TWIN

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

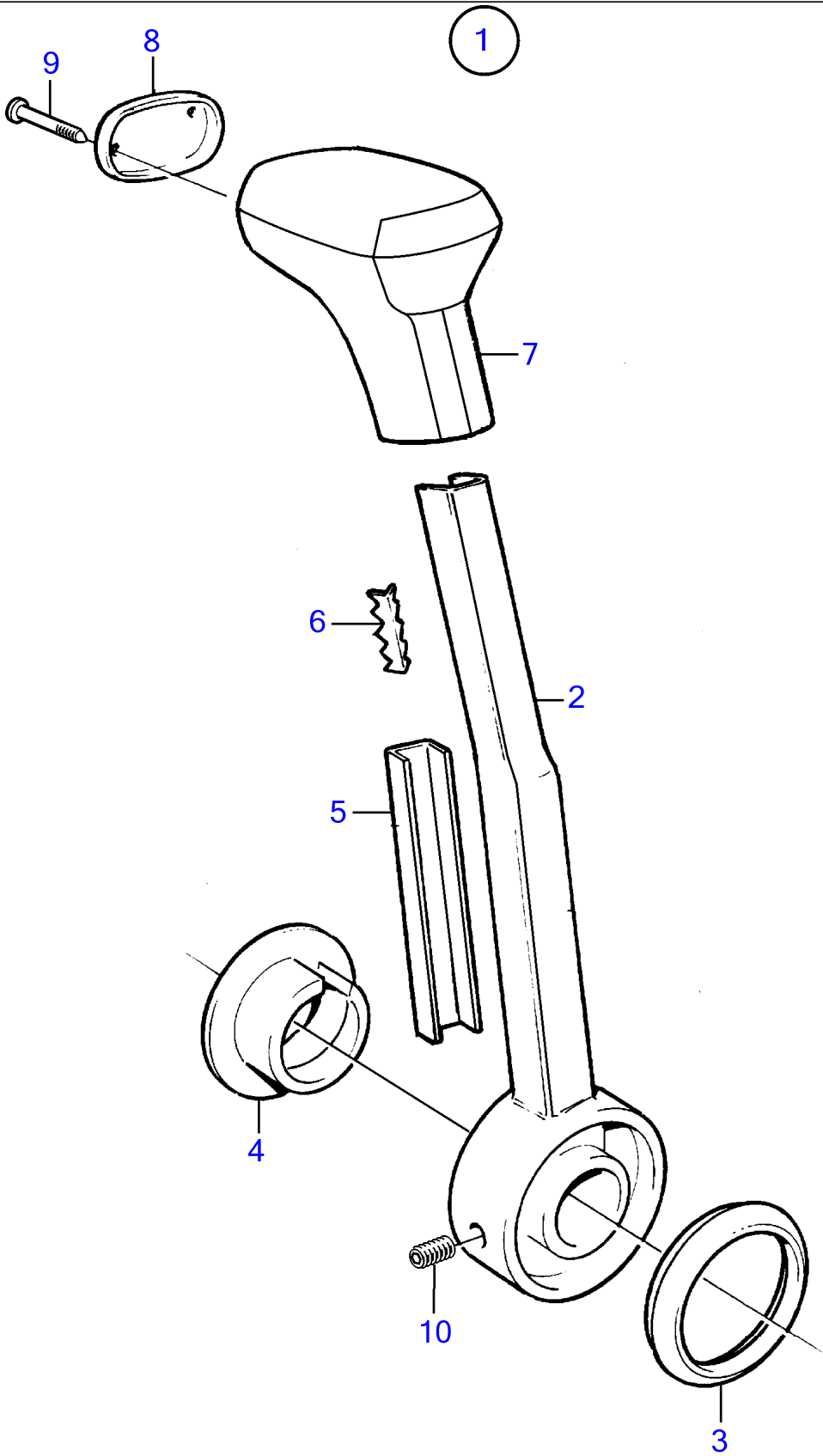
Ref	Part No.	Qty	Description	Notes
1	(851603)	1	Mounting kit	For twin installation., Obsolete part
2	(850824)	1	• Cover	Obsolete part
3	839479	1	• Plate	
4	839475	2	• Hand lever	
5	839693	2	• Lock screw	
6	947671	6	• Hex. socket screw	
7	940090	2	• Washer	
8	955780	6	• Hexagon nut	
9	960138	6	• Washer	
10	851600	2	Control	
11	(851666)	2	• Control mechanism	Obsolete part
12	853423	2	• Retainer	
13	(851712)	2	• Connector kit	Obsolete part
14	17253	4	• • Cotter pin	
15	839638	4	• • Cube	
16	852924	2	• • Lock pin	
17	855352	2	Neutral position con Bulletin P-44-5-22	Launch of new sailboat control
18	850200	2	• Toggle switch	
19		X	• • cables and terminals	
20	946177	4	• Cross recessed screw	
21	947536	4	• Hexagon nut	



27 Control for top Installation, PC840 Power Trim

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

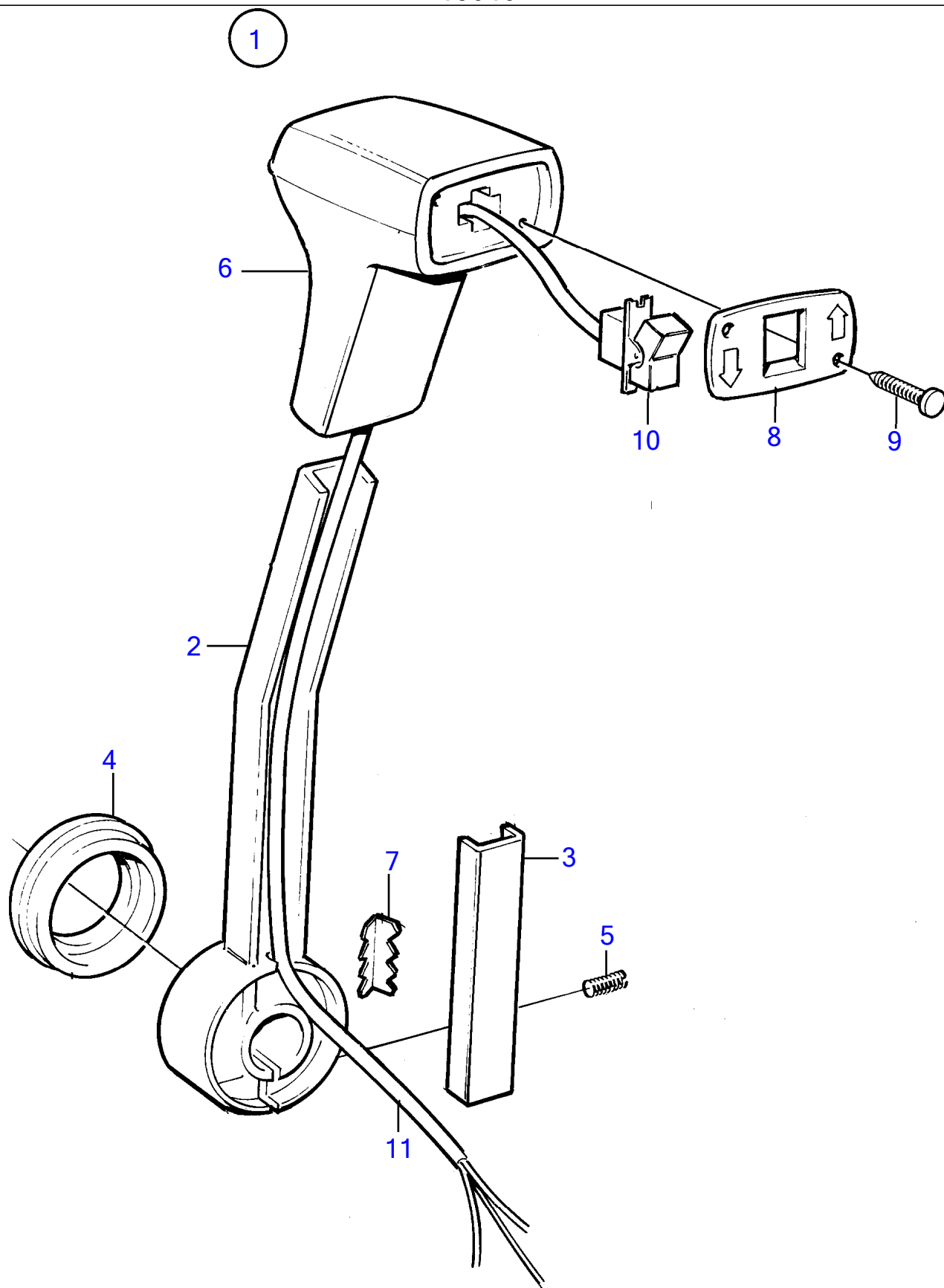
Ref	Part No.	Qty	Description	Notes
1	1140043	1	Mounting kit	
2	(1140046)	1	• Cover	Obsolete part
3	851896	2	• • Decal	
4	(851892)	1	• • Crossbar	Obsolete part
5		1	• • Decal	
6	839474	1	• • Plate	
7	1140041	1	• Hand lever	
			• •	
			•	
8	963678	1	• • Hex. socket screw	
9	853004	1	• Push button	
10	947671	4	• Hex. socket screw	
11	960138	4	• Washer	
12	955780	4	• Hexagon nut	
13	940090	4	• Washer	
14	841073	1	• Fuse holder	
15	853342	2	• Fuse	5A
16	872444	1	• Adapter	
16A	925058	1	• O-ring	
17	851600	1	Control	
18	853423	1	• Retainer	
19	852924	1	• Lock pin	
20	839664	1	• Screw	
21	839638	1	• Cube	
22	17253	1	• Cotter pin	
23	855352	1	Neutral position con	
			• Bulletin P-44-5-22	Launch of new sailboat control
24	(839619)	1	• Cable kit	Obsolete part
25	850200	1	• • Toggle switch	
26		X	• • electrical materials	
27	876037	1	• Relay kit	
28	946177	2	• Cross recessed screw	
29	947536	2	• Hexagon nut	
30	948211	X	• Cable tie	



27 Handle for Control

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A,
TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

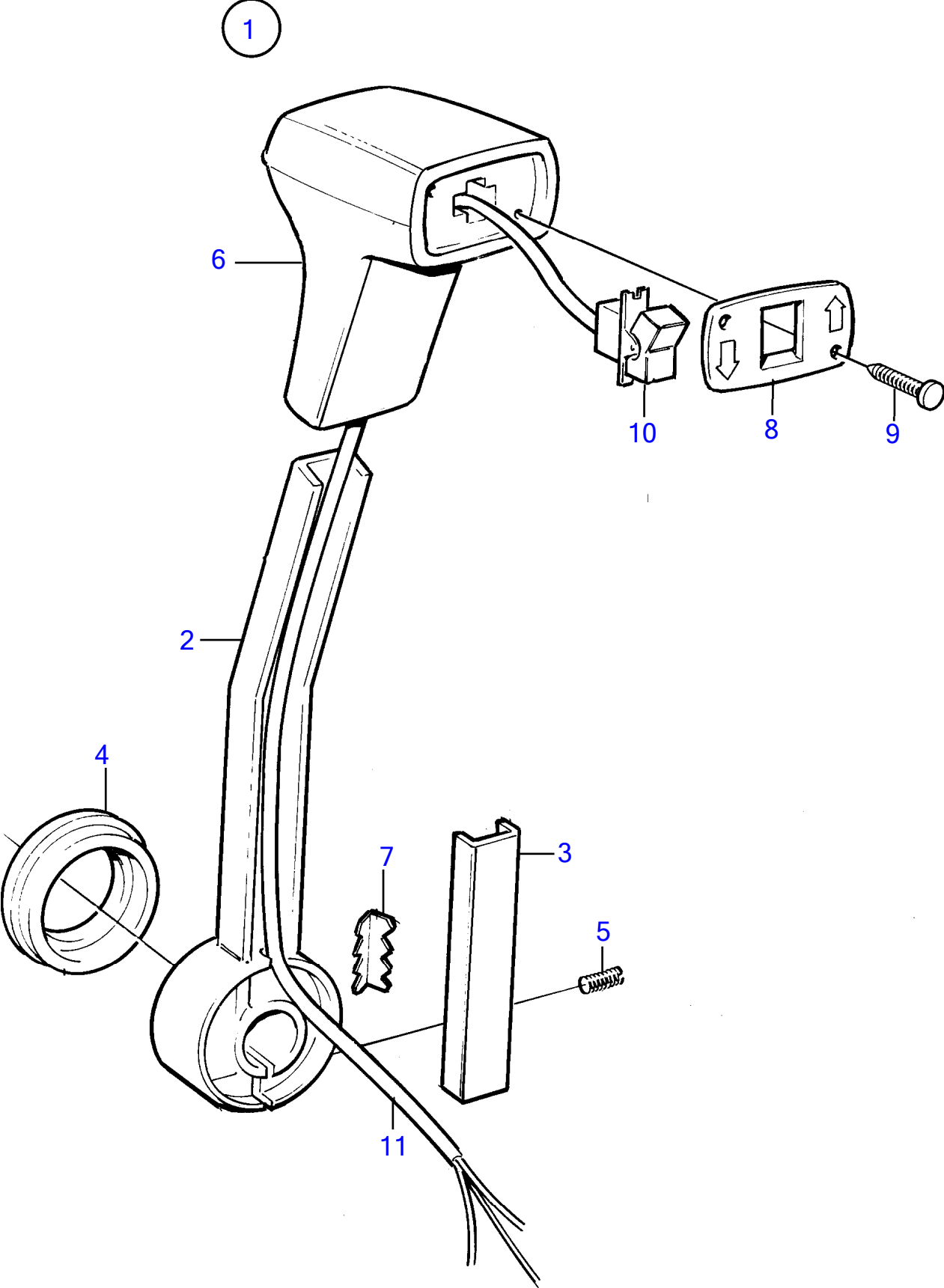
Ref	Part No.	Qty	Description	Notes
1	852347	1	Hand lever	
2	828911	1	• Hand lever	
3	852995	1	• Ring	
4	853004	1	• Push button	
5	852991	1	• Rail	
6	853000	1	• Striker plate	
7	852989	1	• Handle	
8	3818554	1	• Cap	(852992)
9	853003	2	• Nail	
10	963678	1	• Hex. socket screw	



27 Handle for Control with Power Trim: Top Installation

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A,
TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

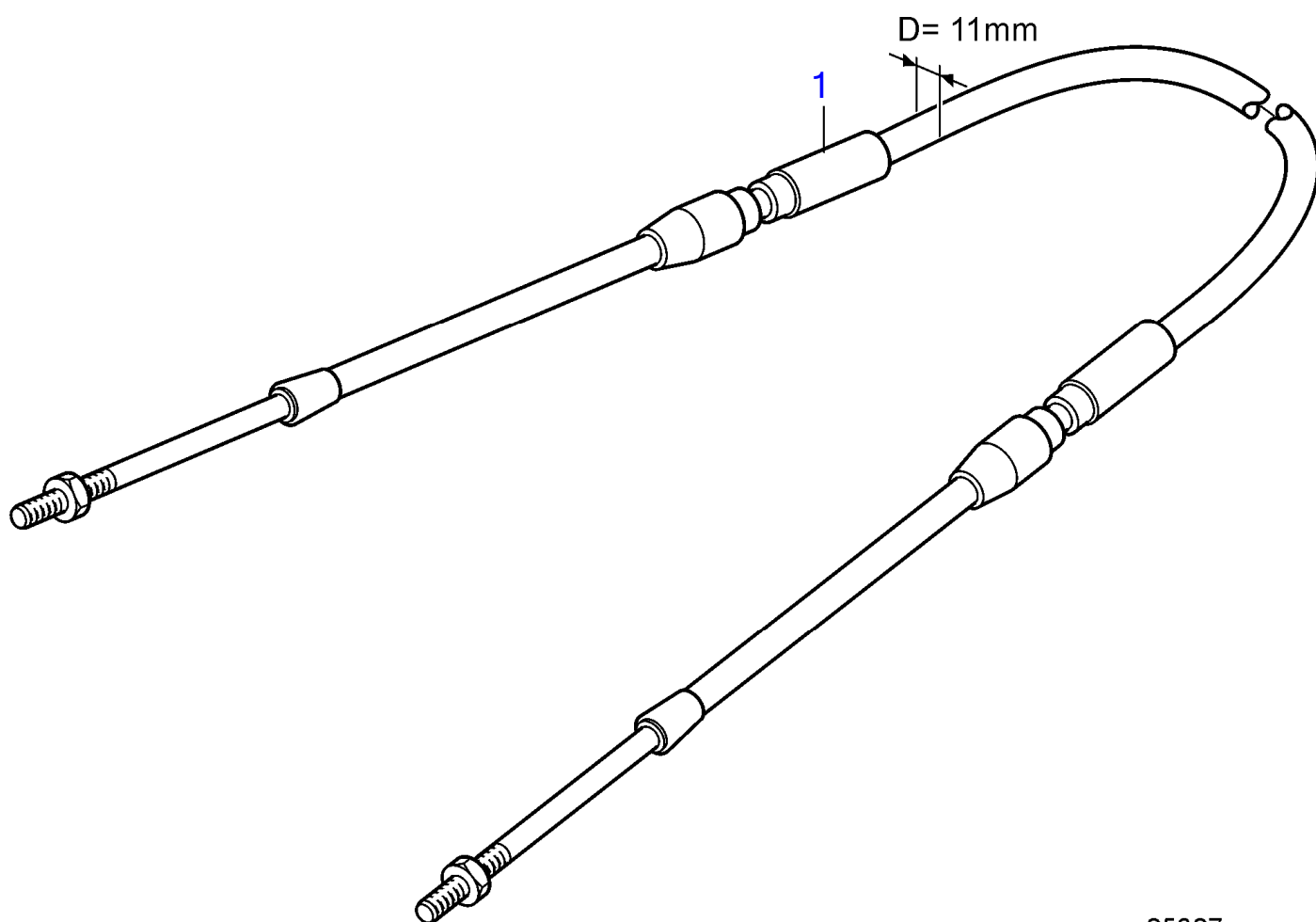
Ref	Part No.	Qty	Description
1	1140041	1	Hand lever
2			• Lever
3	852991	1	• Rail
4	852995	1	• Ring
5	963678	1	• Hex. socket screw
6		1	• Handle
7	853000	1	• Striker plate
8	3818553	1	• Connector cap
9	853003	2	• Nail
10	853311	1	• Switch
11		1	• cables and terminals



27 Handle for Control with Power Trim: Side Installation

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAM31L-A, TAM31M-A, TAM31P-A, TAM31S-A, TAM41H-A, TAM41H-B, TAM41P-A, TAM41L-A, TAM41M-A, TMD31L-A, TMD41L-A, TAM31S, TAM31L, TAM31P, TAM41P

Ref	Part No.	Qty	Description
1	1140042	1	Hand lever
3	852991	1	• Rail
4	852995	1	• Ring
5	963678	1	• Hex. socket screw
6		1	• Handle
7	853000	1	• Striker plate
8	3818553	1	• Connector cap
9	853003	2	• Nail
10	853311	1	• Switch
11		1	• cables and terminals

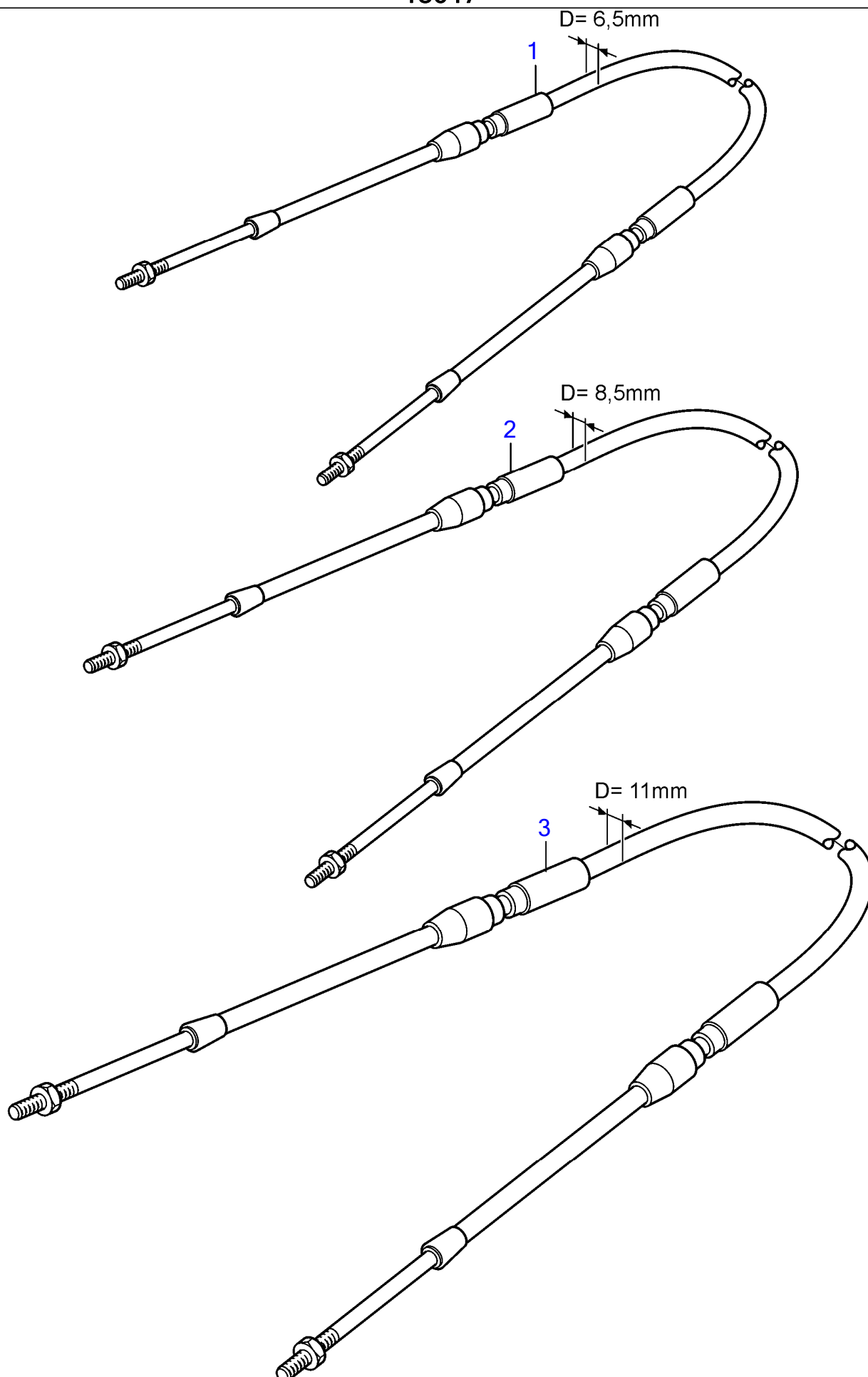


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27 Control Cables

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAM31L-A, TAM31M-A, TAM31P-A, TAM31S-A, TAM41H-A, TAM41H-B, TAM41P-A, TAM41L-A, TAM41M-A, TMD31L-A, TMD41L-A, TAM31S, TAM31L, TAM31P, TAM41P

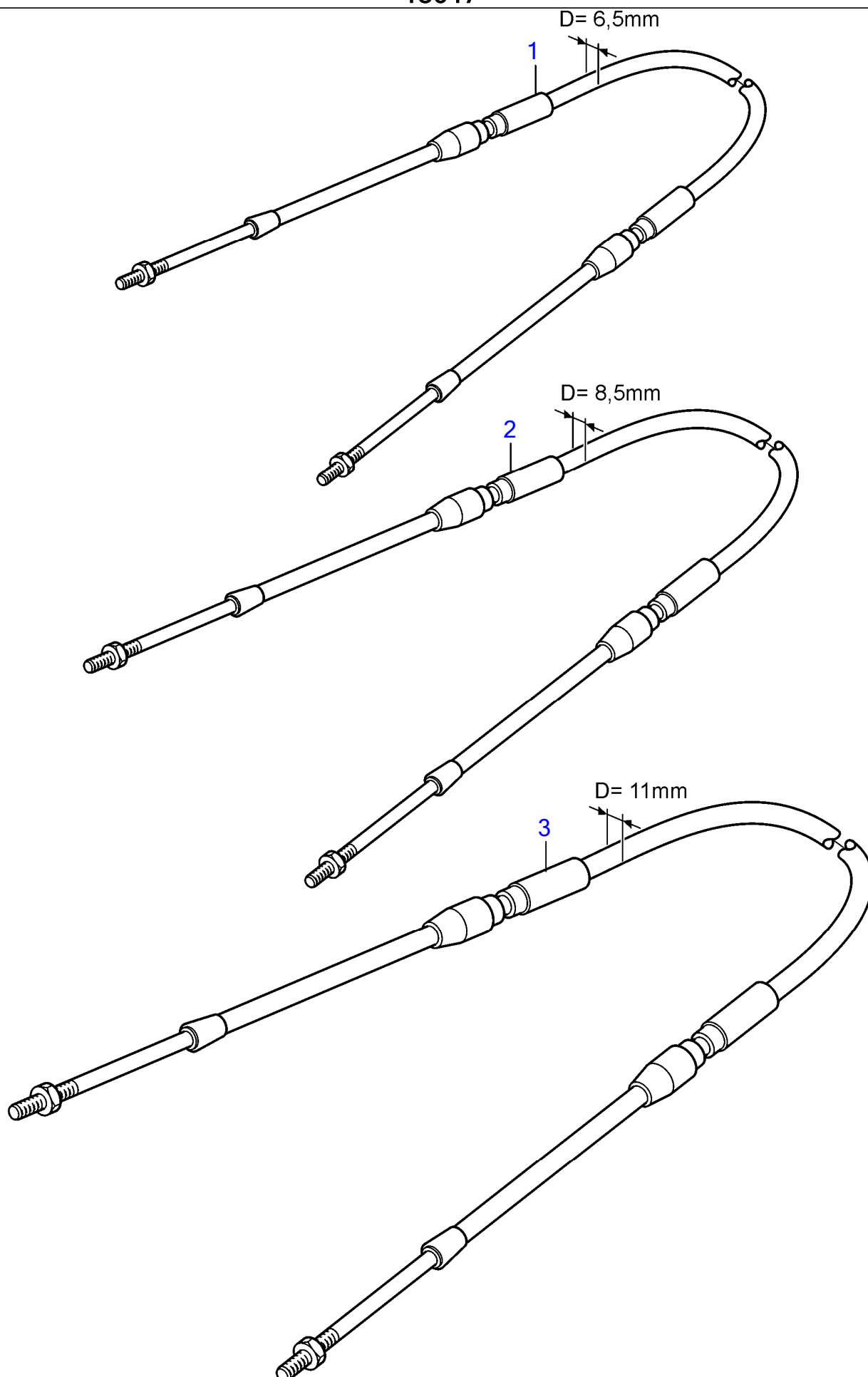
Ref	Part No.	Qty	Description	Notes
1	21633515	1	Control cable	44ft, L=13.40m
	21633516	1	Control cable	45ft, L=13.70m
	21633517	1	Control cable	46ft, L=14.00m
	21633518	1	Control cable	47ft, L=14.30m
	21633519	1	Control cable	48ft, L=14.60m
	21633520	1	Control cable	49ft, L=14.90m
	21633521	1	Control cable	50ft, L=15.20m



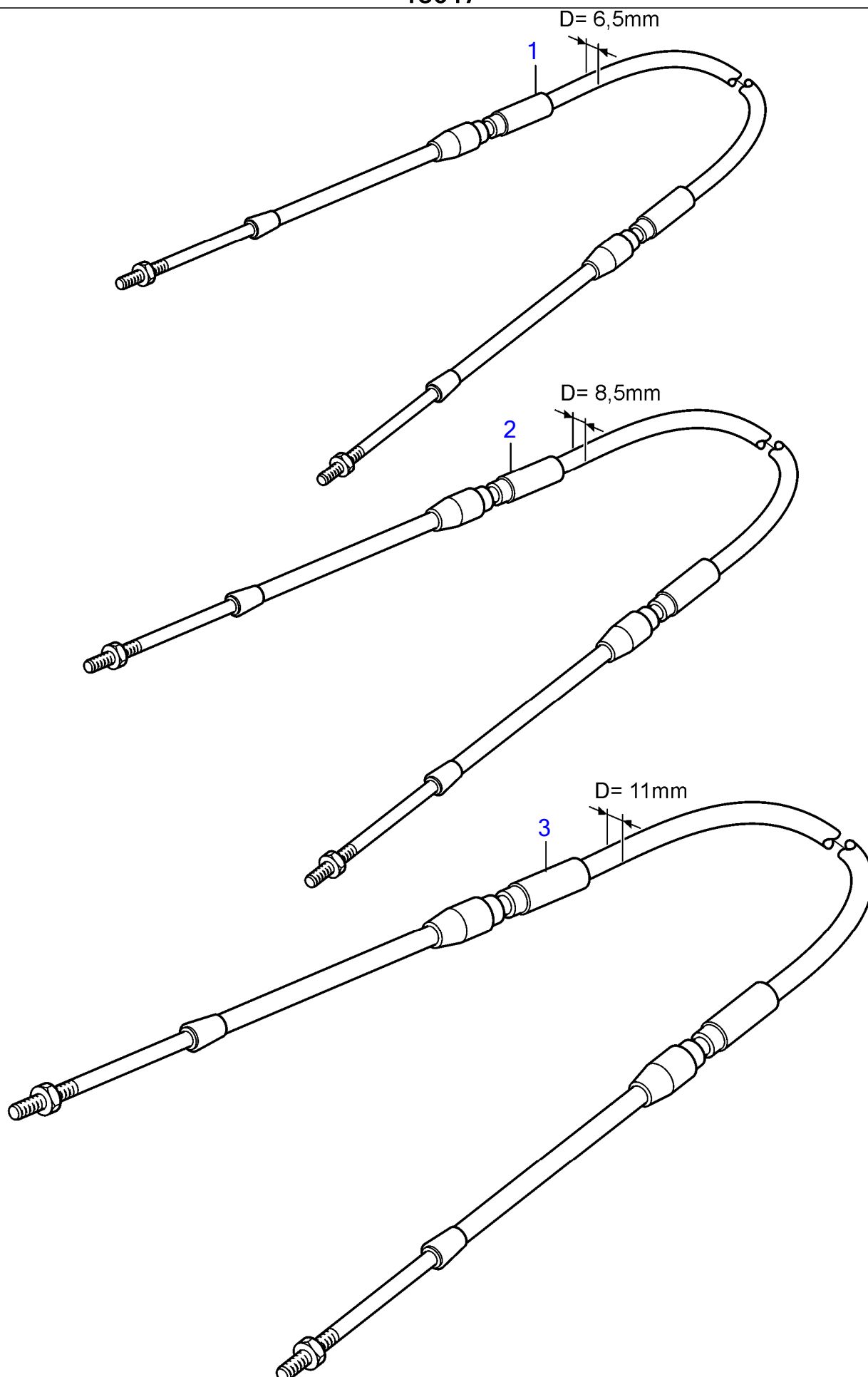
27 Control Cables, Type 233, 333, 443: Type 233

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

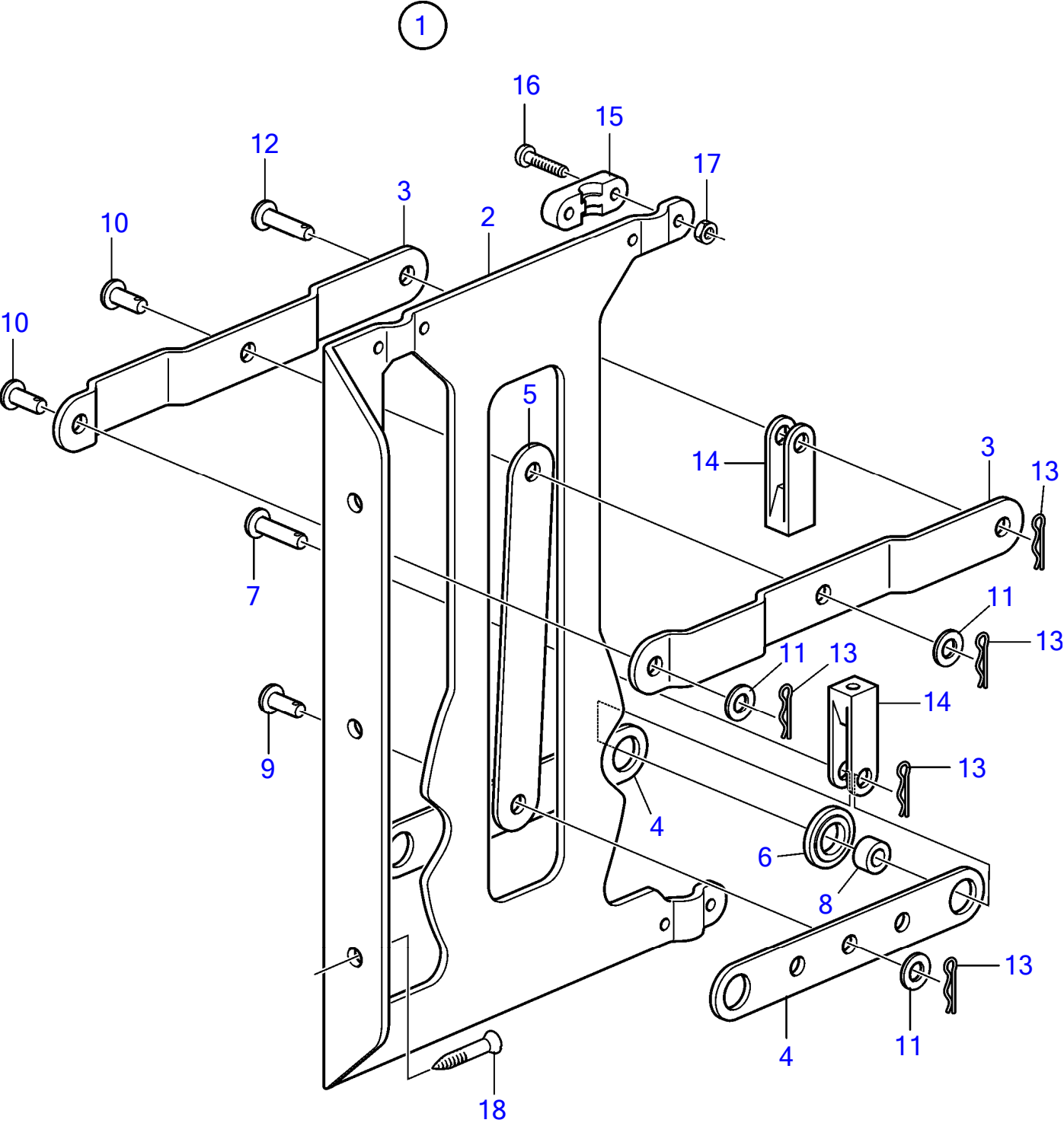
Ref	Part No.	Qty	Description	Notes
1	(1140131)	1	Control cable	L=1250mm, Obsolete part
	(1140132)	1	Control cable	L=1500mm, Obsolete part
	(1140133)	1	Control cable	Obsolete part, L=1750mm
	(1140134)	1	Control cable	Obsolete part, L=2000mm
	(1140135)	1	Control cable	Obsolete part, L=2250mm
	(1140136)	1	Control cable	Obsolete part, L=2500mm
	(1140137)	1	Control cable	Obsolete part, L=2750mm
	(1140138)	1	Control cable	Obsolete part, L=3000mm
	(1140139)	1	Control cable	Obsolete part, L=3250mm
	(1140140)	1	Control cable	Obsolete part, L=3500mm
	(1140141)	1	Control cable	Obsolete part, L=3750mm
	(1140142)	1	Control cable	Obsolete part, L=4000mm
	(1140143)	1	Control cable	Obsolete part, L=4250mm
	(1140144)	1	Control cable	Obsolete part, L=4500mm
	(1140145)	1	Control cable	Obsolete part, L=4750mm
	(1140146)	1	Control cable	Obsolete part, L=5000mm



Ref	Part No.	Qty	Description	Notes
2	1140171	1	Control cable	L=1000mm
	1140172	1	Control cable	L=1250mm
	1140173	1	Control cable	L=1500mm
	1140174	1	Control cable	L=1750mm
	1140175	1	Control cable	L=2000mm
	1140176	1	Control cable	L=2250mm
	1140177	1	Control cable	L=2500mm
	1140178	1	Control cable	L=2750mm
	1140179	1	Control cable	L=3000mm
	1140180	1	Control cable	L=3250mm
	1140181	1	Control cable	L=3500mm
	1140182	1	Control cable	L=3750mm
	1140183	1	Control cable	L=4000mm
	1140184	1	Control cable	L=4250mm
	1140185	1	Control cable	L=4500mm
	1140186	1	Control cable	L=4750mm
	1140187	1	Control cable	L=5000mm
	1140188	1	Control cable	L=5250mm
	1140189	1	Control cable	L=5500mm
	1140190	1	Control cable	L=5750mm
	1140191	1	Control cable	L=6000mm
	1140192	1	Control cable	L=6250mm
	1140193	1	Control cable	L=6500mm
	1140194	1	Control cable	L=6750mm
	1140195	1	Control cable	L=7000mm
	1140196	1	Control cable	L=7250mm
	1140197	1	Control cable	L=7500mm
	1140198	1	Control cable	L=7750mm
	1140199	1	Control cable	L=8000mm
	888081	1	Control cable	L=8250mm
	1140200	1	Control cable	L=8500mm
	888082	1	Control cable	L=8750mm
	1140201	1	Control cable	L=9000mm
	888083	1	Control cable	L=9250mm
	1140202	1	Control cable	L=9500mm
	888084	1	Control cable	L=9750mm
	1140203	1	Control cable	L=10000mm
	888085	1	Control cable	L=10250mm
	1140204	1	Control cable	L=10500mm
	888086	1	Control cable	L=10750mm
	1140205	1	Control cable	L=11000mm
	888087	1	Control cable	L=11250mm
	1140206	1	Control cable	L=11500mm
	888088	1	Control cable	L=11750mm
	1140207	1	Control cable	L=12000mm
	888089	1	Control cable	L=12250mm
	1140208	1	Control cable	L=12500mm
	888090	1	Control cable	L=12750mm
	1140209	1	Control cable	L=13000mm



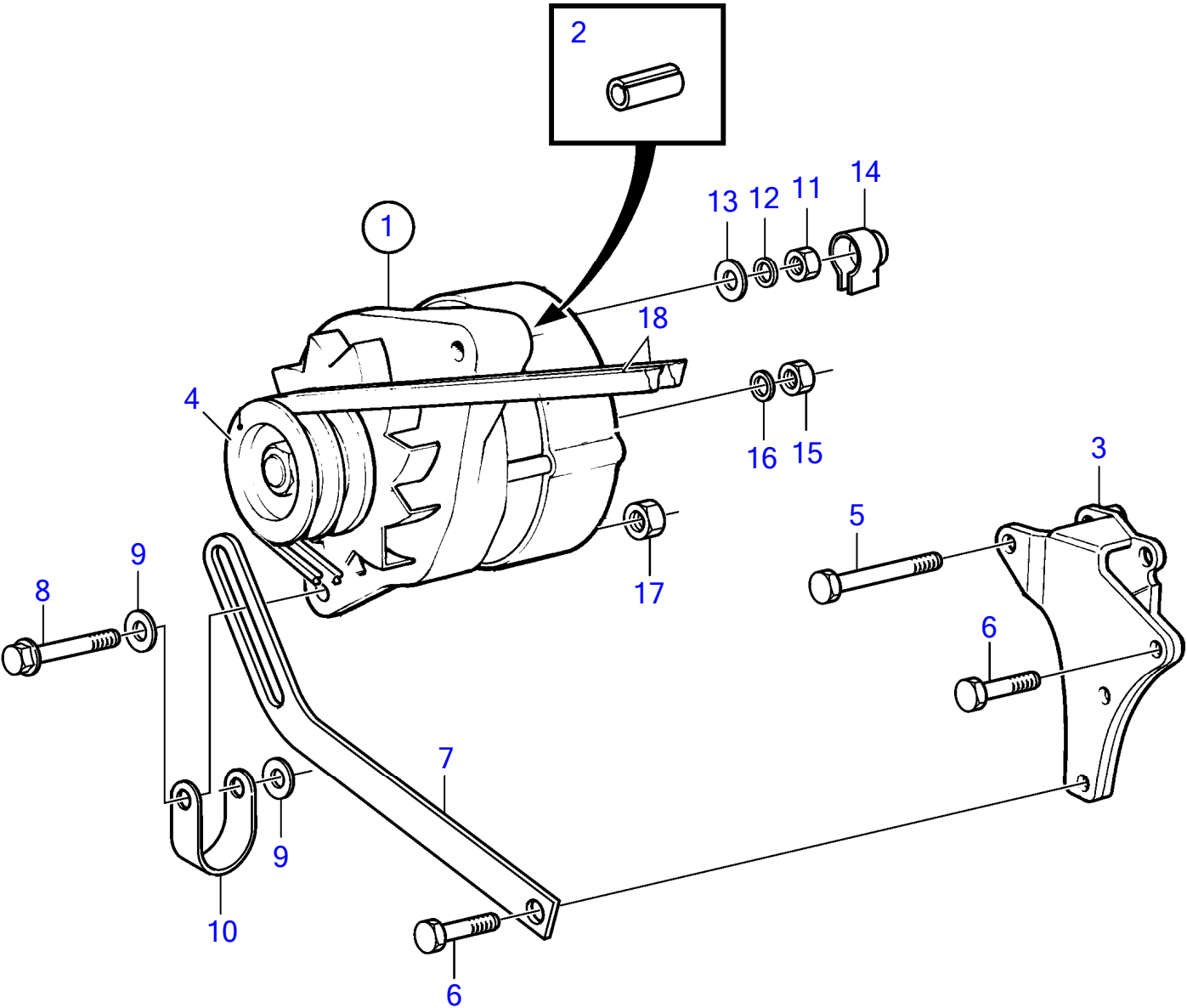
Ref	Part No.	Qty	Description	Notes
3	(1140101)	1	Control cable	Obsolete part, L=2000mm
	(1140102)	1	Control cable	Obsolete part, L=2500mm
	(1140103)	1	Control cable	Obsolete part, L=3000mm
	(1140104)	1	Control cable	Obsolete part, L=3500mm
	(1140105)	1	Control cable	Obsolete part, L=4000mm
	(1140106)	1	Control cable	Obsolete part, L=4500mm
	(1140107)	1	Control cable	Obsolete part, L=5000mm
	(1140108)	1	Control cable	Obsolete part, L=5500mm
	(1140109)	1	Control cable	Obsolete part, L=6000mm
	(1140110)	1	Control cable	Obsolete part, L=6500mm
	(1140111)	1	Control cable	Obsolete part, L=7000mm
	(1140112)	1	Control cable	Obsolete part, L=7500mm
	(1140113)	1	Control cable	Obsolete part, L=8000mm
	(1140114)	1	Control cable	Obsolete part, L=8500mm
	1140115	1	Control cable	L=9000mm
	(1140116)	1	Control cable	Obsolete part, L=9500mm
	(1140117)	1	Control cable	Obsolete part, L=10000mm
	(1140118)	1	Control cable	Obsolete part, L=11000mm
	(1140119)	1	Control cable	Obsolete part, L=12000mm
	(1140120)	1	Control cable	Obsolete part, L=13000mm
	(1140121)	1	Control cable	Obsolete part, L=14000mm
	(1140122)	1	Control cable	Obsolete part, L=15000mm



27 Dual Station Unit

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	828164	1	Connection plate	For double steering positions.
2		1	• Housing	
3		2	• Lever	
4		2	• Lever	
5		1	• Lever	
6	828180	2	• Roller	
7	828183	2	• Cotter pin	
8	828178	2	• Bushing	
9	(850358)	1	• Clevis pin	Obsolete part
10	(828177)	2	• Clevis pin	Obsolete part
11	940191	3	• Washer	
12	828182	1	• Clevis pin	
13	664822	6	• Cotter pin	
14	850452	3	• Fork	
15	850361	3	• Cable attachment	
16	969407	6	• 6 point socket screw	(956078)
17	955780	6	• Hexagon nut	
18	(905448)	3	Screw	Obsolete part

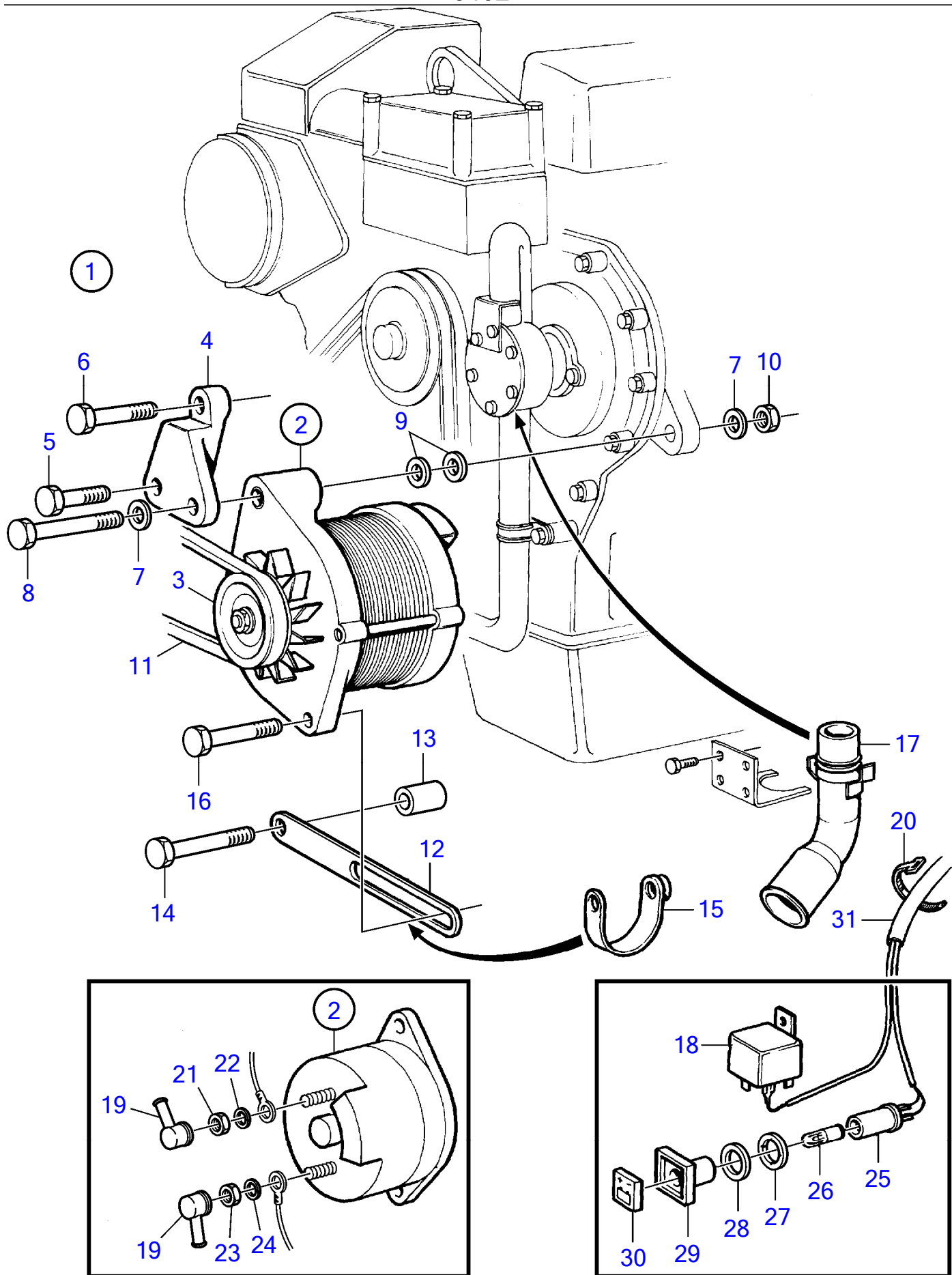


23070

30 Alternator

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A

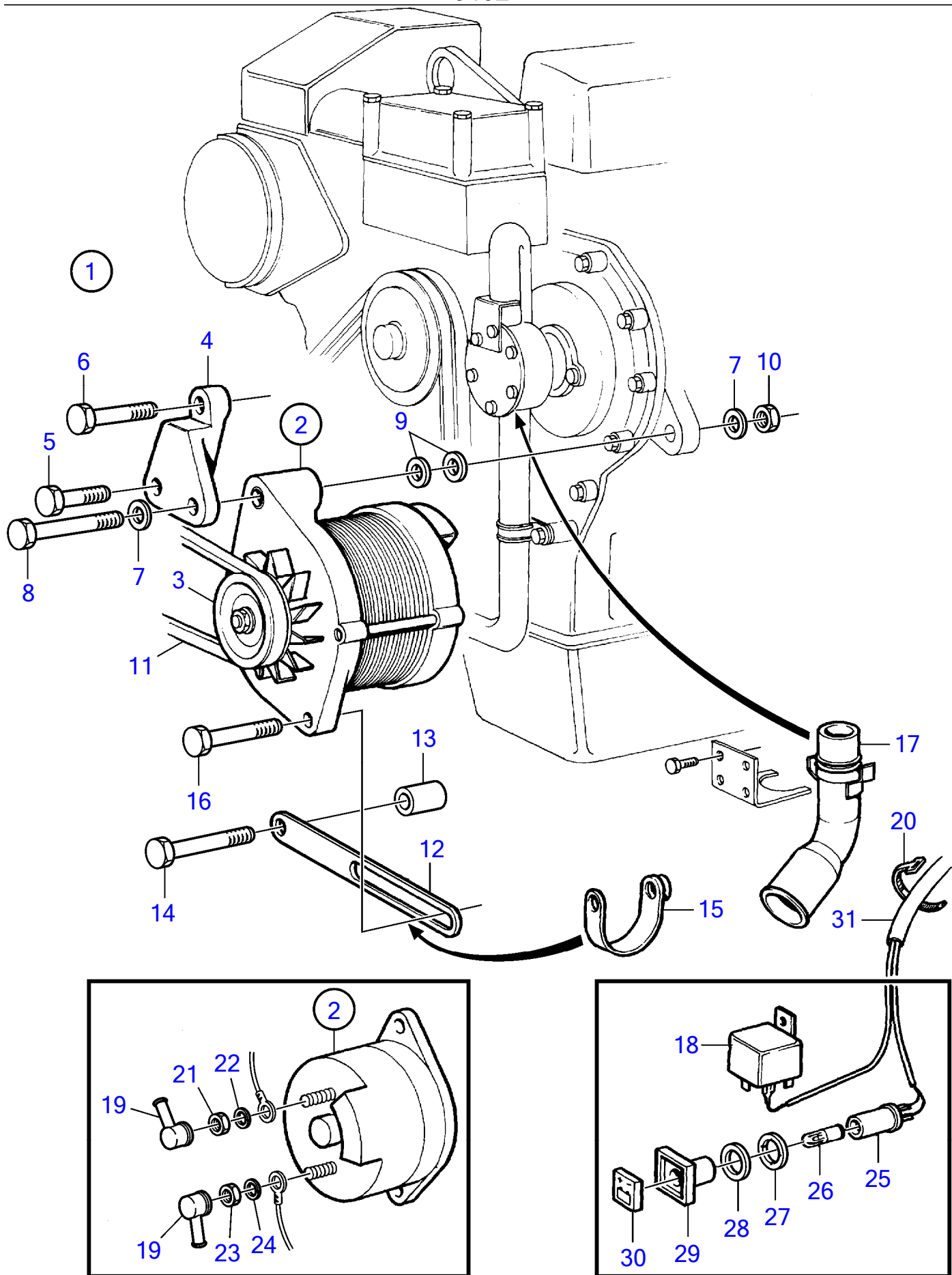
Ref	Part No.	Qty	Description	Notes
1	872235	1	Alternator	14V 60A
	3803260	1	Alternator, exch, exch	14V 60A
			.	
			.	
	872021	1	Alternator	28V 60A, repl by 873757
			.	
			.	
	873757	1	Alternator	28V 60A, repl by 873771
			.	
			.	
	873771	1	Alternator	28V 60A
	3803443	1	Alternator, exch, exch	28V 60A
			.	
			.	
2	1610144	1	Spring pin	
3	860271	1	Bracket	
4	841812	1	Pulley	
5	955554	1	Hexagon screw	
6	973924	1	Flange screw	L=50mm
	965182	2	Flange screw	L=80mm
	969189	1	Flange screw	L=85mm
7	835352	1	Tensioner	
8	947760	1	Flange screw	
9	955893	2	Washer	
10	466735	1	Tensioning eyelet	
11	955781	1	Hexagon nut	
12	949607	1	Spring washer	
13	960140	1	Washer	
14	(1234326)	1	Protecting casing	Obsolete part
15	965483	1	Flange nut	
16	941905	1	Spring washer	
17	945407	1	Flange nut	
18	966978	1	V-belt	



30 Extra Alternator, 12V

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A

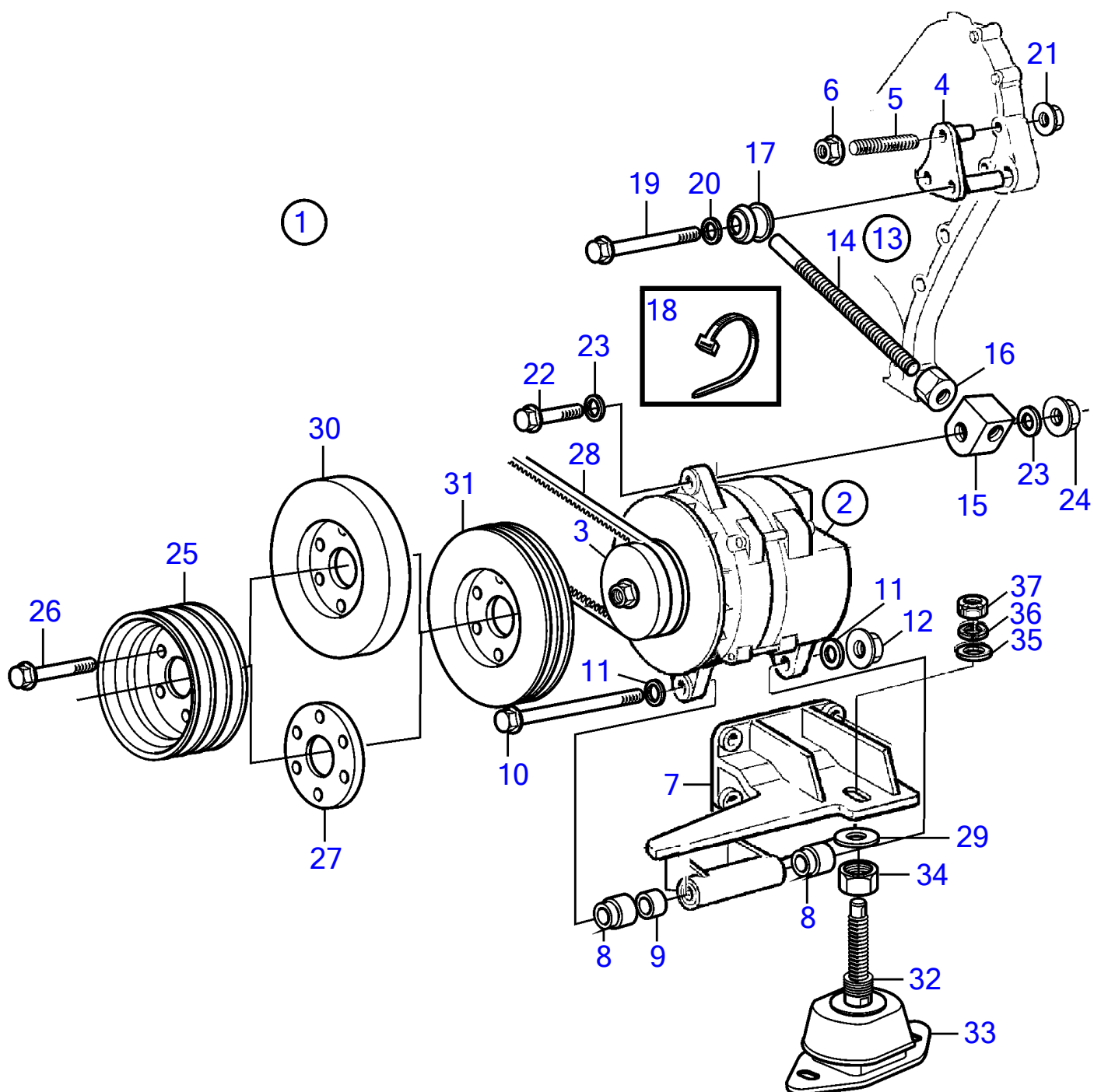
Ref	Part No.	Qty	Description	Notes
1	(858620)	1	Alternator kit	12V 50A, Obsolete part
2	872926	1	• Alternator	14V 50A
			• .	Replaced by 872235
			• .	
	872235	1	• Alternator	14V 60A
	3803260	1	• Alternator, exch, exch	14V 60A
			• .	
			• .	
3	841813	1	• Pulley	
4	843057	1	• Bracket	
5	965183	1	• Flange screw	
6	965180	1	• Flange screw	
7	941908	2	• Spring washer	
8	968237	1	• Flange screw	
9	192495	2	• Washer	
10	971095	1	• Flange nut	
11	978696	1	• V-belt	
12	843055	1	• Tensioner	
13	843075	1	• Spacer sleeve	
14	965183	1	• Flange screw	
15	466735	1	• Tensioning eyelet	
16	947760	1	• Flange screw	
17	858559	1	• Hose connection	
18	1324492	1	• Relay	(872300)
19	842150	1	• Protective cap	
20	948211	X	• Cable tie	
21	955780	1	• Hexagon nut	
22	941905	1	• Spring washer	
23	955781	1	• Hexagon nut	
24	941906	1	• Spring washer	
25	808175	1	• Bulb socket	
26	19923	1	• Bulb	
27	967583	1	• Retainer	
28	829714	1	• Sealing ring	
29	838455	1	• Retainer	
30	838457	1	• Symbol strip	
31		X	• cables and terminals	



30 Extra Alternator, 24V

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A

Ref	Part No.	Qty	Description	Notes
1	858679	1	Alternator kit	24V 25A
			.	
2	849602	1	• Alternator	28V 30A
			.	
	849561	1	• Alternator	28V 30A
	3803066	1	• Alternator, exch, exch	28V 30A
			• parts not sold separately	
	872927	1	• Alternator	
	3803619	1	• Alternator, exch, exch	
			.	
			.	
3	841813	1	• Pulley	
4	843057	1	• Bracket	
5	965183	1	• Flange screw	
6	965180	1	• Flange screw	
7	941908	2	• Spring washer	
8	968237	1	• Flange screw	
9	192495	2	• Washer	
10	971095	1	• Flange nut	
11	978696	1	• V-belt	(967109)
12	843055	1	• Tensioner	
13	843075	1	• Spacer sleeve	
14	965183	1	• Flange screw	
15	466735	1	• Tensioning eyelet	
16	947760	1	• Flange screw	
17	858559	1	• Hose connection	
18	1324492	1	• Relay	(872300)
19	842150	1	• Protective cap	
20	948211	X	• Cable tie	
21	955780	1	• Hexagon nut	
22	941905	1	• Spring washer	
23	955781	1	• Hexagon nut	
24	941906	1	• Spring washer	
25	808175	1	• Bulb socket	
26	182059		• Bulb	
27	967583	1	• Retainer	
28	829714	1	• Sealing ring	
29	838455	1	• Retainer	
30	838457	1	• Symbol strip	
31		X	• cables and terminals	

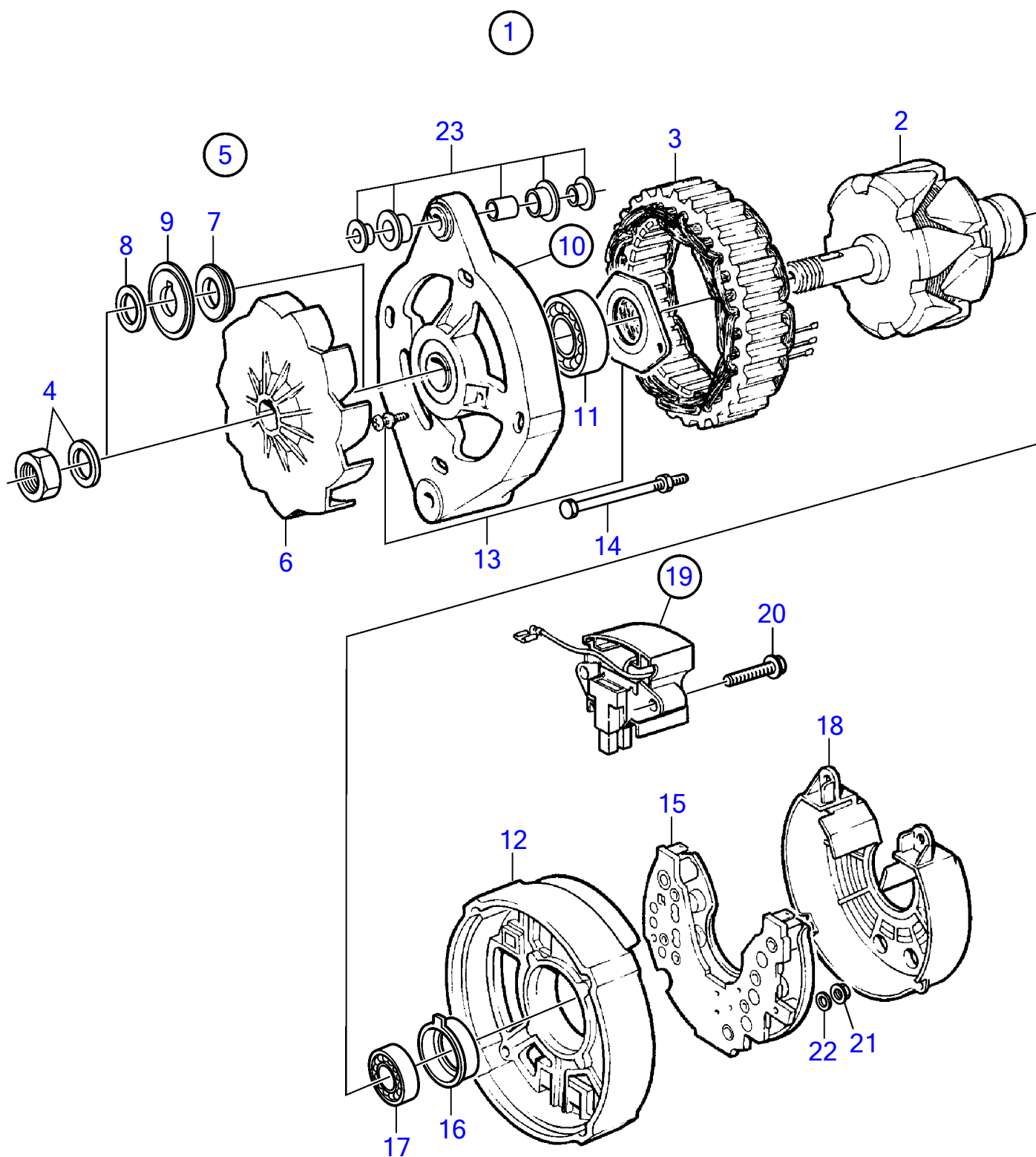


23072

30 Extra Alternator, 24V

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A

Ref	Part No.	Qty	Description	Notes
1	(3583368)	1	Alternator kit	Fits engines with damper thickness TH=35mm and TH=41mm., Obsolete part
2	849748	1	• Alternator	28V, 100A, Obsolete part
	3803499	1	• Alternator, exch, exch	28V, 100A, Obsolete part
			• .	
			• .	
3	861123	1	• Pulley	
4	3582730	1	• Bracket	
5	968278	2	• Stud	
6	971098	2	• Flange lock nut	
7	860868	1	• Bracket	
8	859574	2	• • Bushing	
9		1	• • Sleeve	
10	970988	1	• Hexagon screw	
11	955897	2	• Washer	
12	971099	1	• Flange lock nut	
13	3582712	1	• Tensioning screw	
14		1	• • Rod	
15	3036796	1	• • Tension block	
16	3036797	1	• • Collet	
17		1	• • Bushing	
18	948211	1	• • Cable tie	
19	970963	1	• Hexagon screw	
20	976945	1	• Washer	
21	971098	1	• Flange lock nut	
22	946752	1	• Flange screw	
23	960143	2	• Washer	
24	971098	1	• Flange lock nut	
25	861123	1	• Pulley	Fits engines with damper thickness TH=35mm and TH=41mm.
26	968842	6	• Flange screw	
27	860870	1	• Spacer	
28	966391	1	• V-belt	
29	945544	1	• Washer	Only used for rubber element with M16 bolt.
30		1	Absorber	Alt. see group 21
31		1	Pulley	See group 21
32		4	Screw	See group 21
33		X	Rubber element	See group 21
34		X	Nut	See group 21
35		X	Washer	See group 21
36		X	Spring washer	See group 21
37		X	Nut	See group 21

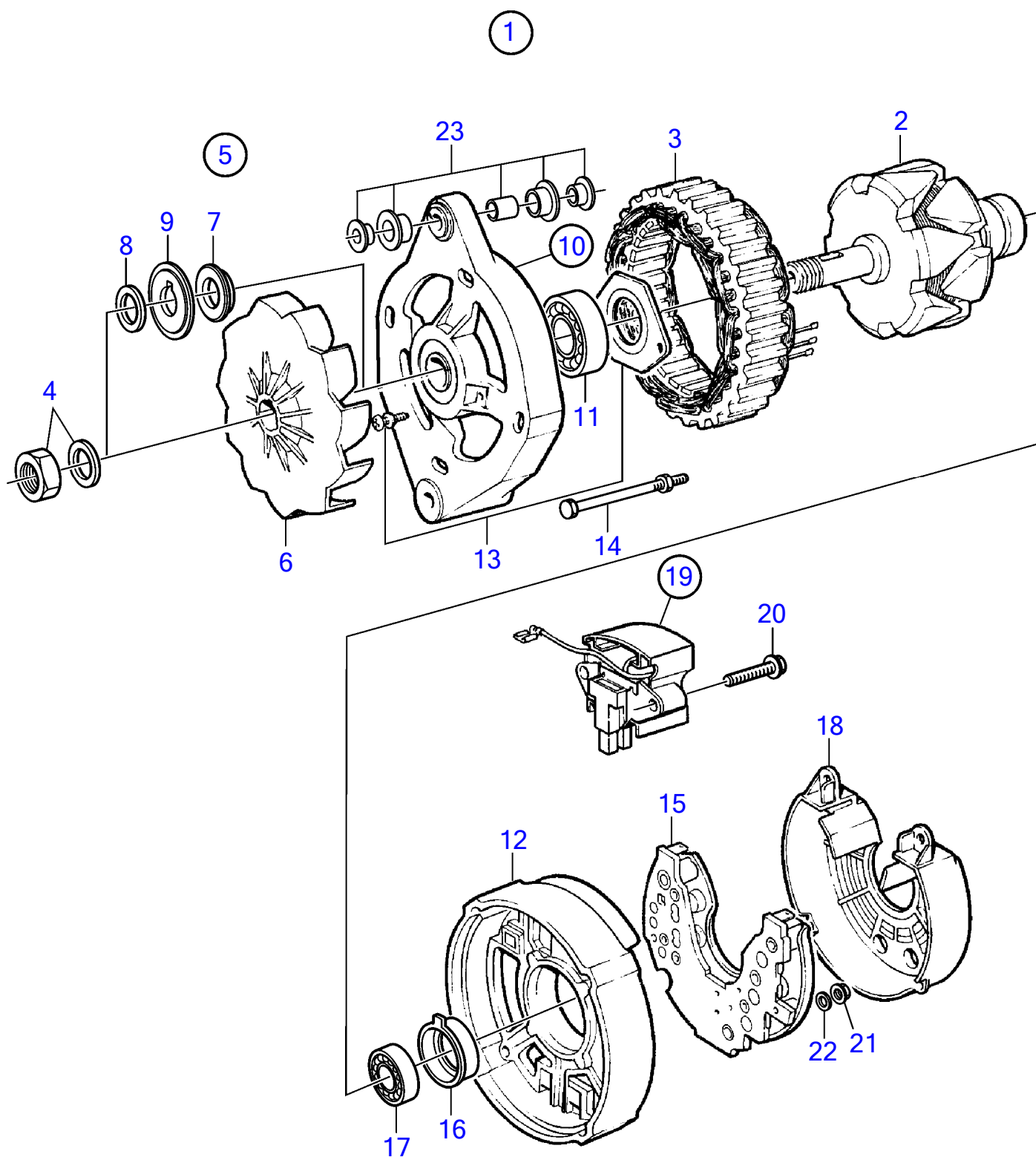


23096

30 Alternator 14V 50A, Components

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	872926	1	Alternator	14V 50A
2		1	• Rotor	
3	(859421)	1	• Stator	Obsolete part
4	6212688	1	• Mounting kit	
5	(860281)	1	• Fan kit	Obsolete part
6		1	• • Fan	
7	862897	1	• • Spacer	
8	860284	1	• • Spacer	
9	860283	1	• • Washer	
10		1	• End plate	
11	860432	1	• • Ball bearing	
12		1	• End plate	
13	(840625)	1	• Mounting kit	Obsolete part
14		1	• Screw kit	
15	(1698689)	1	• Diode bridge	Obsolete part
16	(873241)	1	• Bearing carrier	Obsolete part
17	(873239)	1	• Ball bearing	Obsolete part
18	873240	1	• Protecting casing	
19	872720	1	• Governor	
20		2	• • Screw	
21	955779	1	• Hexagon nut	M4, w
	965483	2	• Flange nut	M5, D+, B-
	945407	1	• Flange nut	M6, b+
22	980689	1	• Washer	W
23	840634	1	• Guide	

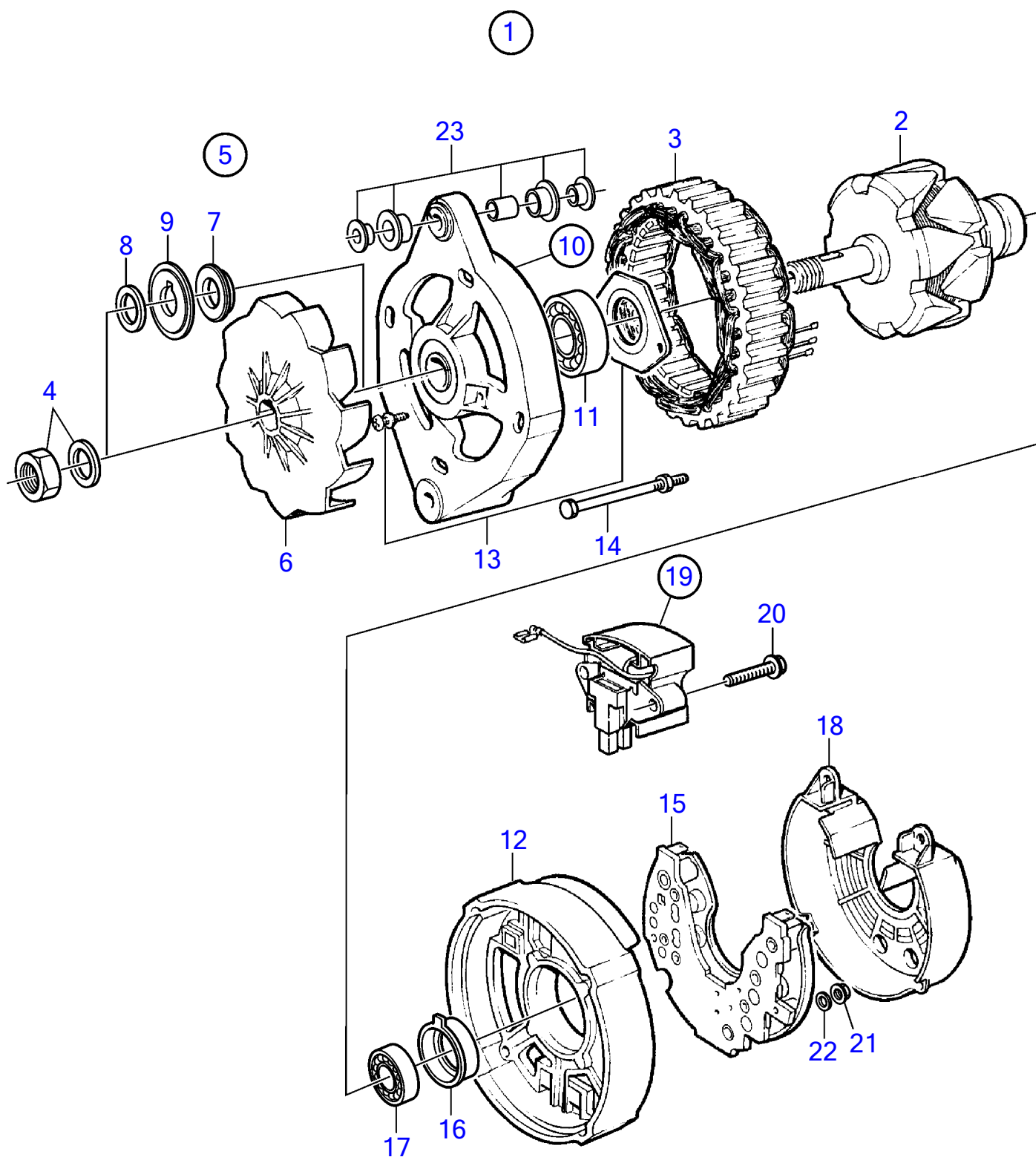


23096

30 Alternator 14V 60A, Components

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	872235	1	Alternator	14V 60A
	3803260	1	Alternator, exch, exch	14V 60A
2		1	• Rotor	
3	(873237)	1	• Stator	Obsolete part
4	6212688	1	• Mounting kit	
5	(860281)	1	• Fan kit	Obsolete part
6	860282	1	• • Fan	
7	862897	1	• • Spacer	
8	860284	1	• • Spacer	
9	860283	1	• • Washer	
10		1	• End plate	
11	860432	1	• • Ball bearing	
12		1	• End plate	
13	(840625)	1	• Mounting kit	Obsolete part
14		1	• Screw kit	
15	(1698689)	1	• Diode bridge	Obsolete part
16	(873241)	1	• Bearing carrier	Obsolete part
17	(873239)	1	• Ball bearing	Obsolete part
18	873240	1	• Protecting casing	
19	872720	1	• Governor	
20		2	• • Screw	
21	955779	1	• Hexagon nut	(M4) W
	965483	2	• Flange nut	(M5) D+,B-
	945407	1	• Flange nut	(M6) B-
22	980689	1	• Washer	(For M4) W
23	840634	1	• Guide	

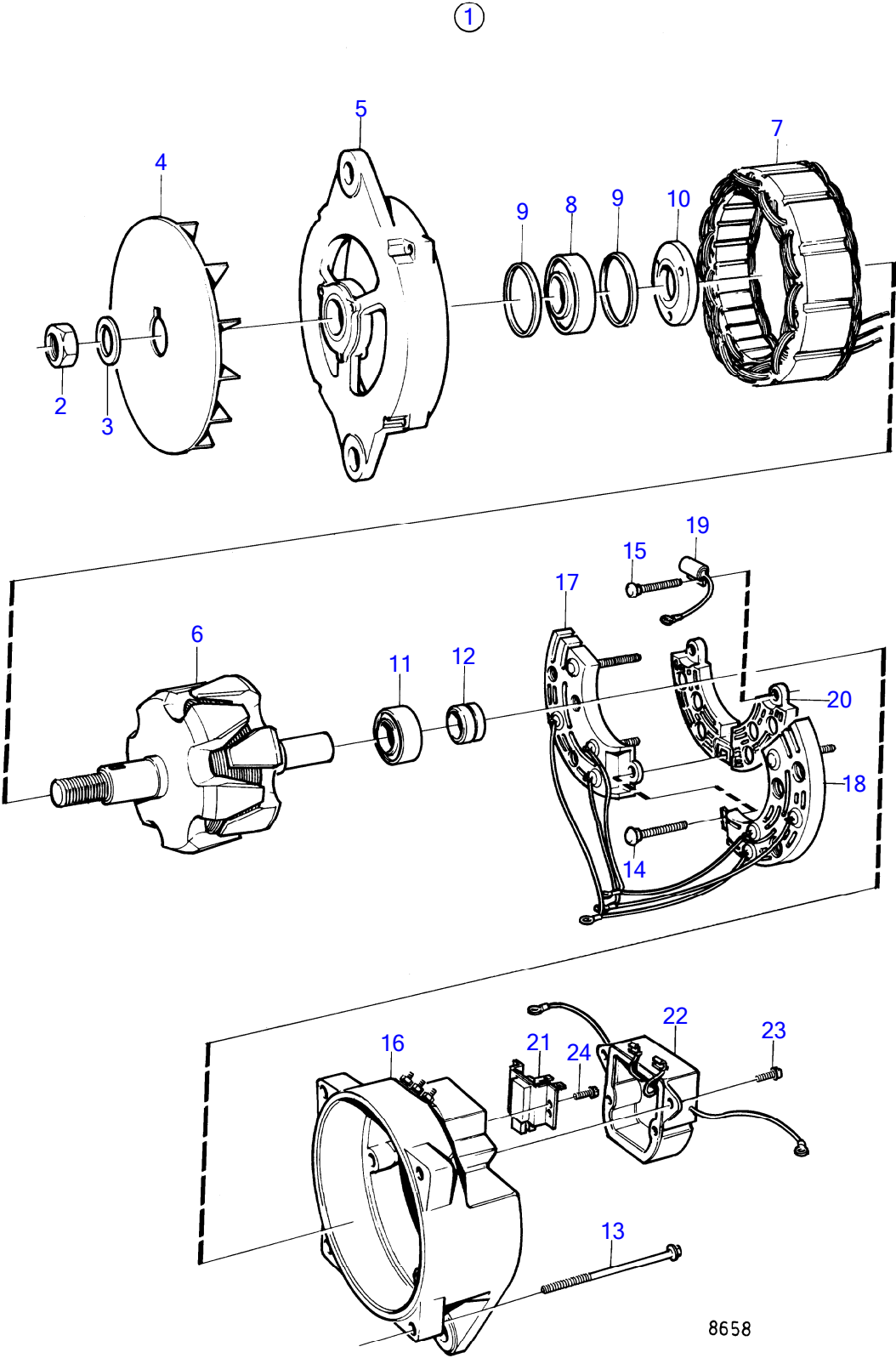


23096

30 Alternator 14V 60A, Components: 872235

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

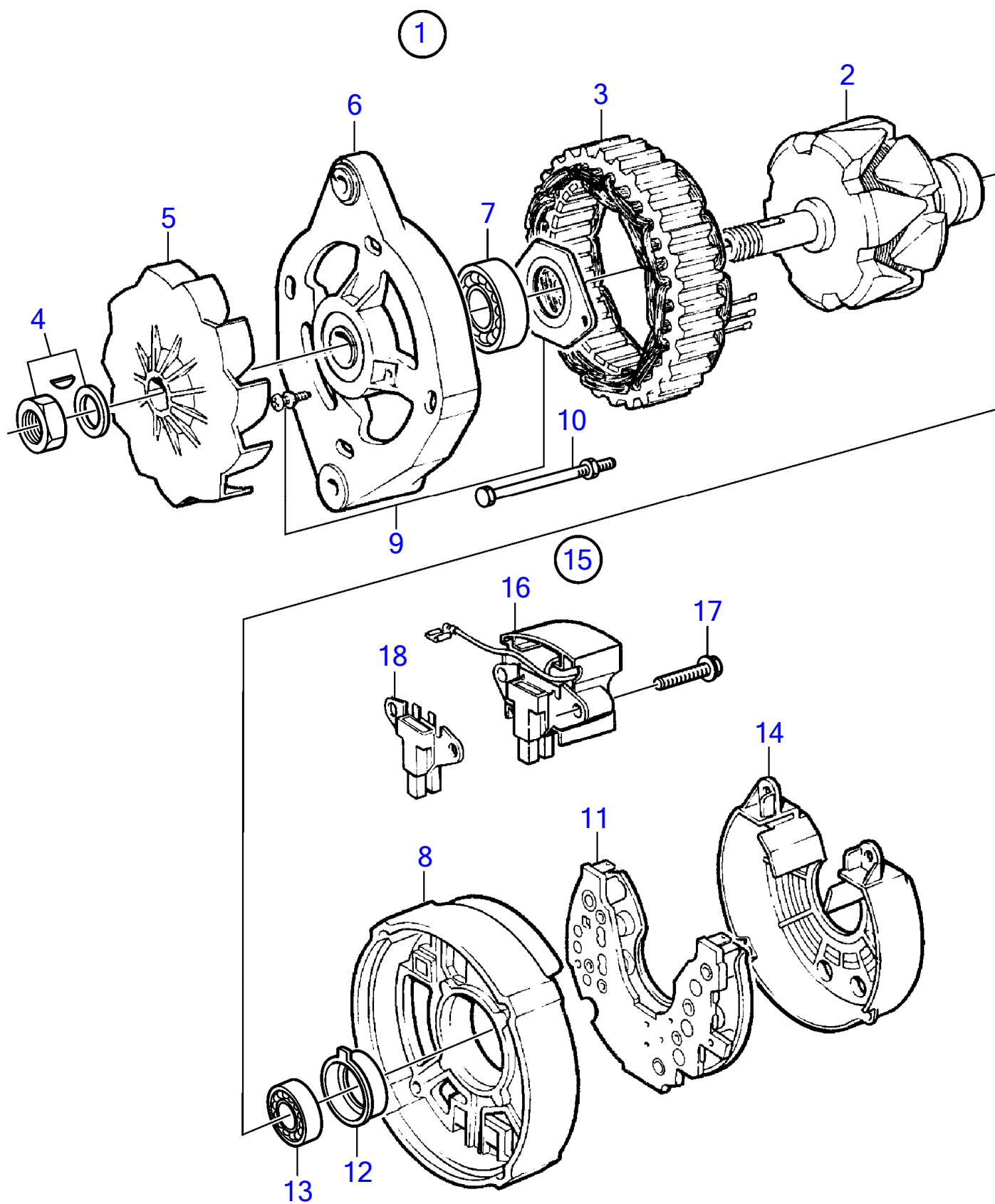
Ref	Part No.	Qty	Description	Notes
1	872235	1	Alternator	14V 60A
	3803260	1	Alternator, exch, exch	14V 60A
2		1	• Rotor	
3	(873237)	1	• Stator	Obsolete part
4	6212688	1	• Mounting kit	
5	(860281)	1	• Fan kit	Obsolete part
6		1	• • Fan	
7	862897	1	• • Spacer	
8	860284	1	• • Spacer	
9	860283	1	• • Washer	
10		1	• End plate	
11	860432	1	• • Ball bearing	
12		1	• End plate	
13	(840625)	1	• Mounting kit	Obsolete part
14		1	• Screw kit	
15	(1698689)	1	• Diode bridge	Obsolete part
16	(873241)	1	• Bearing carrier	Obsolete part
17	(873239)	1	• Ball bearing	Obsolete part
18	873240	1	• Protecting casing	
19	872720	1	• Governor	
20		2	• • Screw	
21	955779	1	• Hexagon nut	(M4) W
	965483	2	• Flange nut	(M5) D+,B-
	945407	1	• Flange nut	(M6) B-
22	980689	1	• Washer	(For M4) W
23	840634	1	• Guide	



30 Alternator 14V 130A, Components

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	849747	1	Alternator	14V, 130A
	3803577	1	Alternator, exch	14V, 130A
2		1	• Nut	
3		1	• Washer	
4		1	• Fan	
5		1	• End plate	
6	(862528)	1	• Rotor	Obsolete part
7	(862529)	1	• Stator	Obsolete part
8	862509	1	• Bearing	
9	(862532)	2	• Seal	Obsolete part
10		1	• Bearing carrier	
11	(862533)	1	• Bearing	Obsolete part
12	862511	1	• Slip ring	
13		4	• Screw	
14		1	• Screw	
15		1	• Screw	
16		1	• End plate	
17	(862534)	1	• Diode	Pos, Obsolete part
18	(862535)	1	• Rectifier diode	Neg, Obsolete part
19		1	• Capacitor	
20		1	• Insulator	
21	862536	1	• Brush set	
22	862539	1	• Governor	
23		4	• Screw	
24		2	• Screw	

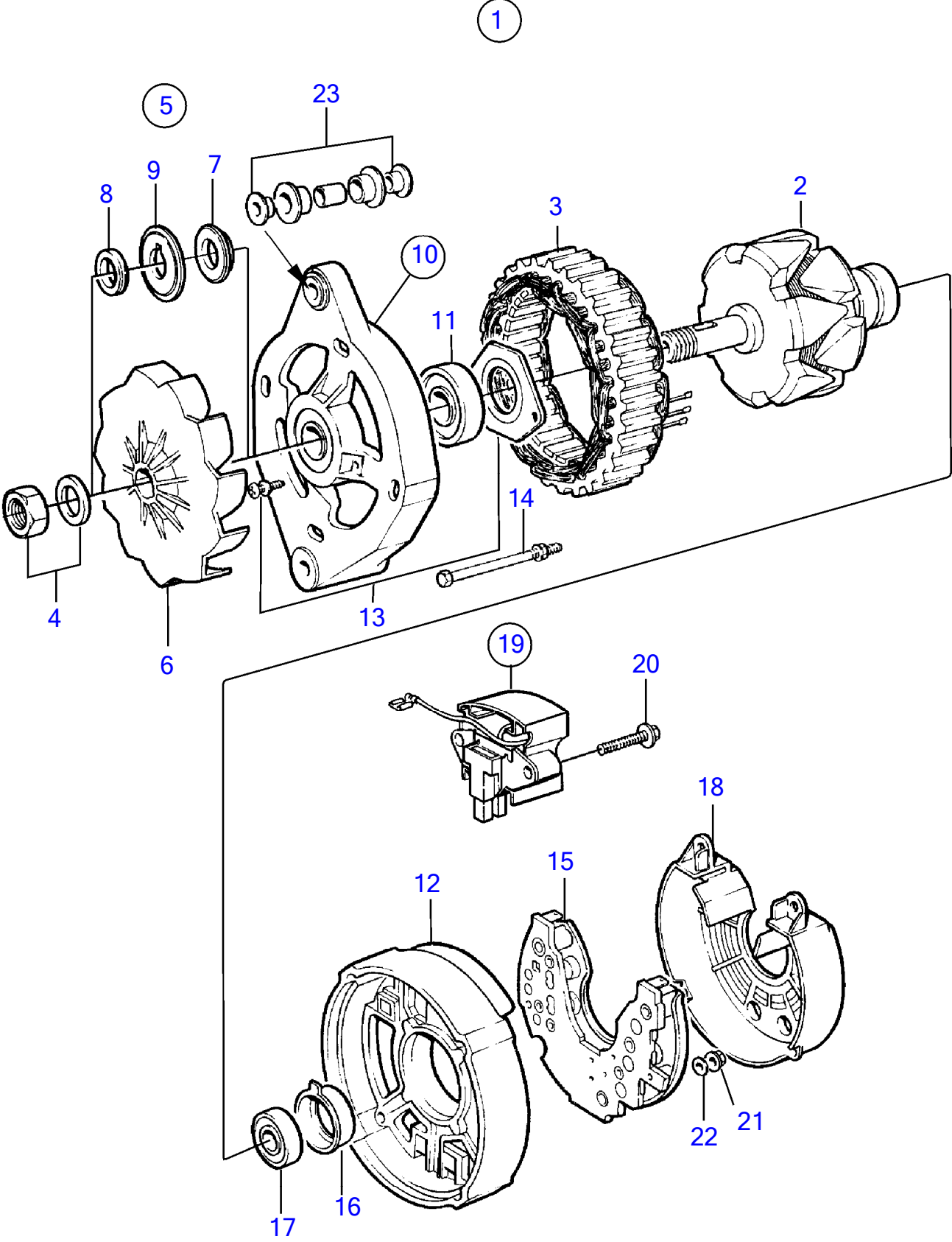


23097

30 Alternator 28V 30A, Components: 849602

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

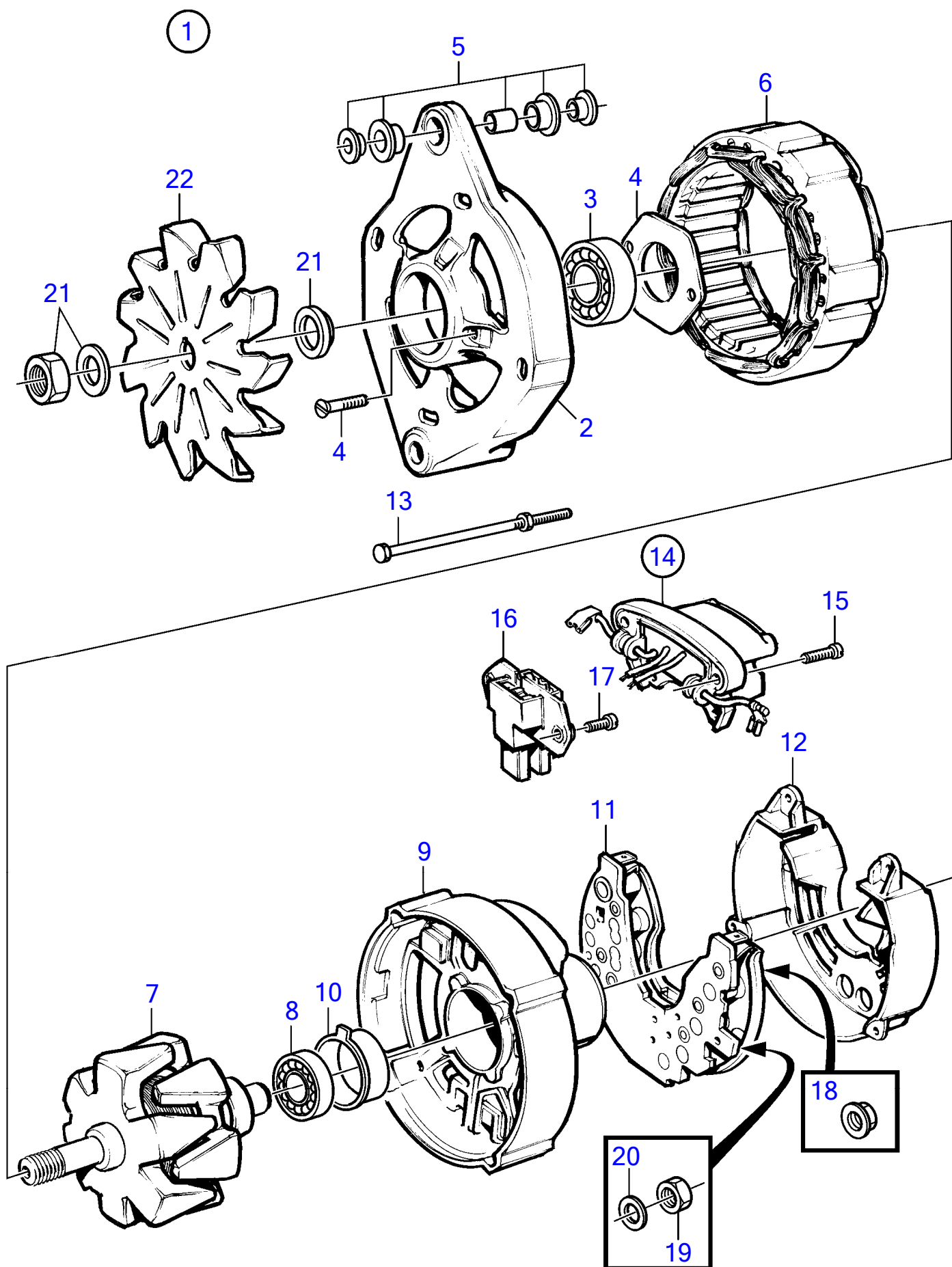
Ref	Part No.	Qty	Description	Notes
1	849602	1	Alternator	28V 30A
2	(838912)	1	• Rotor	Obsolete part
3	(848401)	1	• Field winding	Obsolete part
4		1	• Kit	
5		1	• Fan	
6		1	• End plate	
7		1	• Ball bearing	
8		1	• End plate	
9		1	• Kit	
10		1	• Screw kit	
11	(1698689)	1	• Diode bridge	Obsolete part
12		1	• Bearing carrier	
13		1	• Ball bearing	
14	847712	1	• Protecting casing	
15	872368	1	• Regulator kit	(864006)
16		1	• • Governor	
17	859312	6	• • Screw	
18	840632	1	• • Brush retainer	



30 Alternator 28V 60A, Components: 872927

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

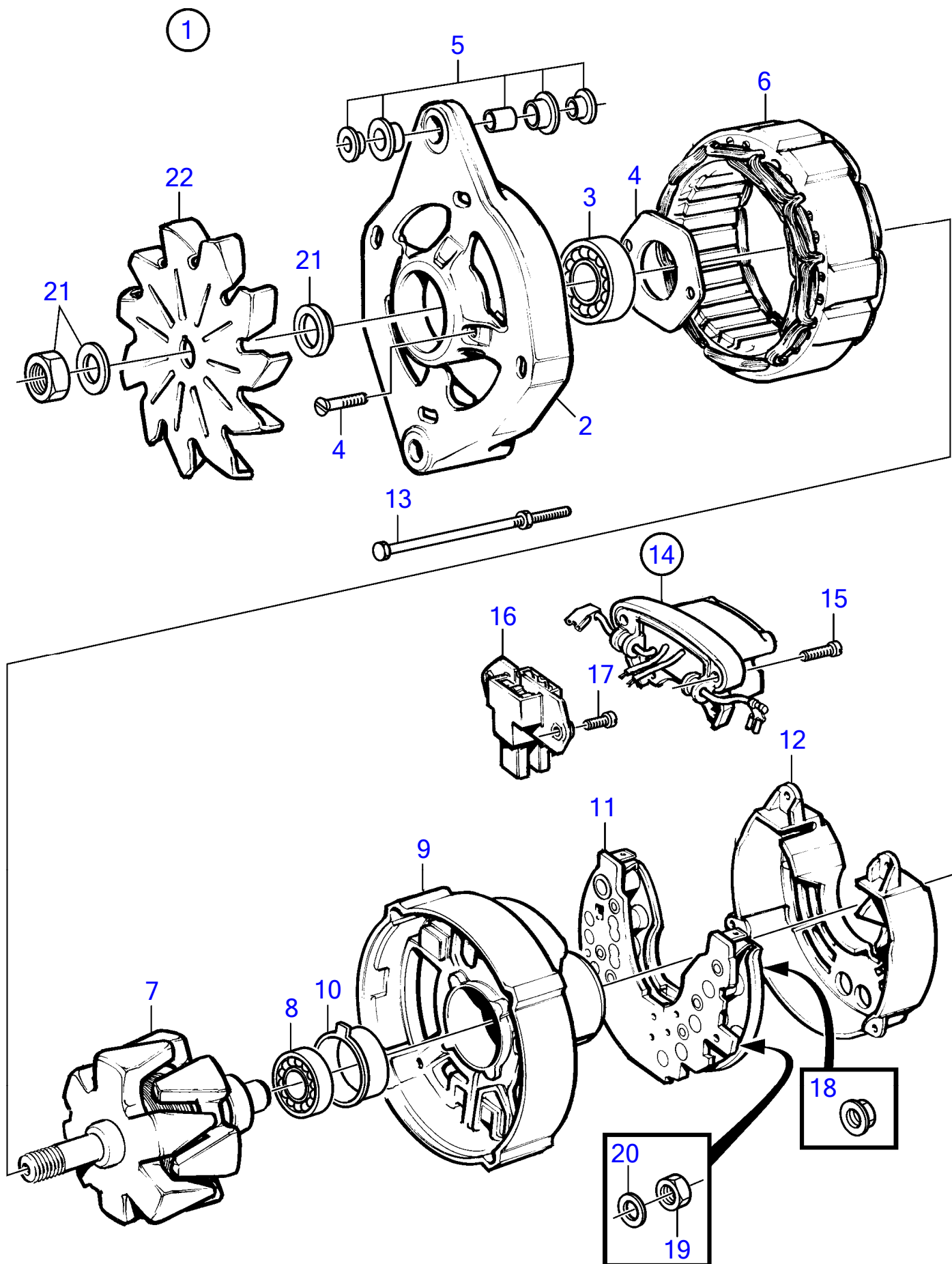
Ref	Part No.	Qty	Description	Notes
1	872927	1	Alternator	
	3803619	1	Alternator, exch, exch	
2		1	• Rotor	
3	(848401)	1	• Field winding	Obsolete part
4	6212688	1	• Mounting kit	
5	(860281)	1	• Fan kit	Obsolete part
6		1	• • Fan	
7	862897	1	• • Spacer	
8	860284	1	• • Spacer	
9	860283	1	• • Washer	
10		1	• End plate	
11	860432	1	• • Ball bearing	
12		1	• End plate	
13	(840625)	1	• Mounting kit	Obsolete part
14		1	• Screw kit	
15	(1698689)	1	• Diode bridge	Obsolete part
16	(873241)	1	• Bearing carrier	Obsolete part
17	(873239)	1	• Ball bearing	Obsolete part
18	873240	1	• Protecting casing	
19			•	
20		2	• • Screw	
21	955779	1	• Hexagon nut	(M4) W
	965483	2	• Flange nut	(M5) D+,B-
	945407	1	• Flange nut	(M6) B-
22	980689	1	• Washer	(For M4) W
23	840634	1	• Guide	



30 Alternator 28V 60A, Components: 872021

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

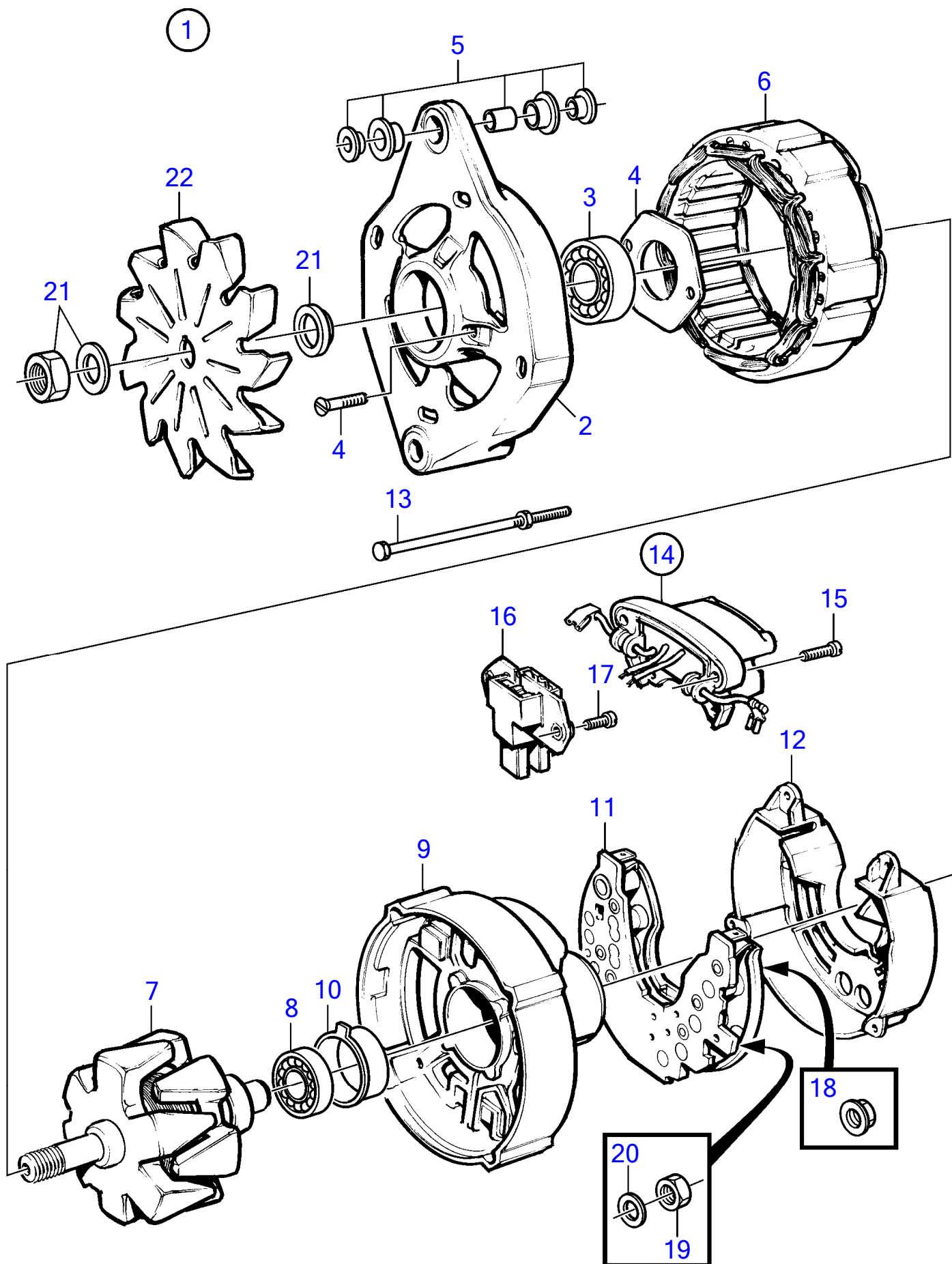
Ref	Part No.	Qty	Description	Notes
1	872021	1	Alternator	28V 60A, repl by 873757
2		1	• Housing	
3	847708	1	• Ball bearing	(864350)
4	847709	1	• Bearing carrier	
5	840634	1	• Guide	
6	(864346)	1	• Stator	Obsolete part
7	(864347)	1	• Rotor	Obsolete part
8	864351	1	• Ball bearing	
9		1	• Housing	
10	(840629)	1	• Bearing race	Obsolete part
11	(1698689)	1	• Diode bridge	Obsolete part
12	847712	1	• Protecting casing	
13	847710	1	• Screw kit	
14	872368	1	• Regulator kit, with brush holder	
15	859312	4	• • Screw	
16	840632	1	• • Brush retainer	
17	859312	2	• • • Screw	
18	965483	2	• Flange nut	M5, D+, B-
	945407	1	• Flange nut	M6, b+
19	955779	1	• Hexagon nut	M4, w
20	941904	1	• Spring washer	For M4, W
21	847706	1	• Nut set	
22	(847707)	1	• Fan	Obsolete part



30 Alternator 28V 60A, Components: 873757

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

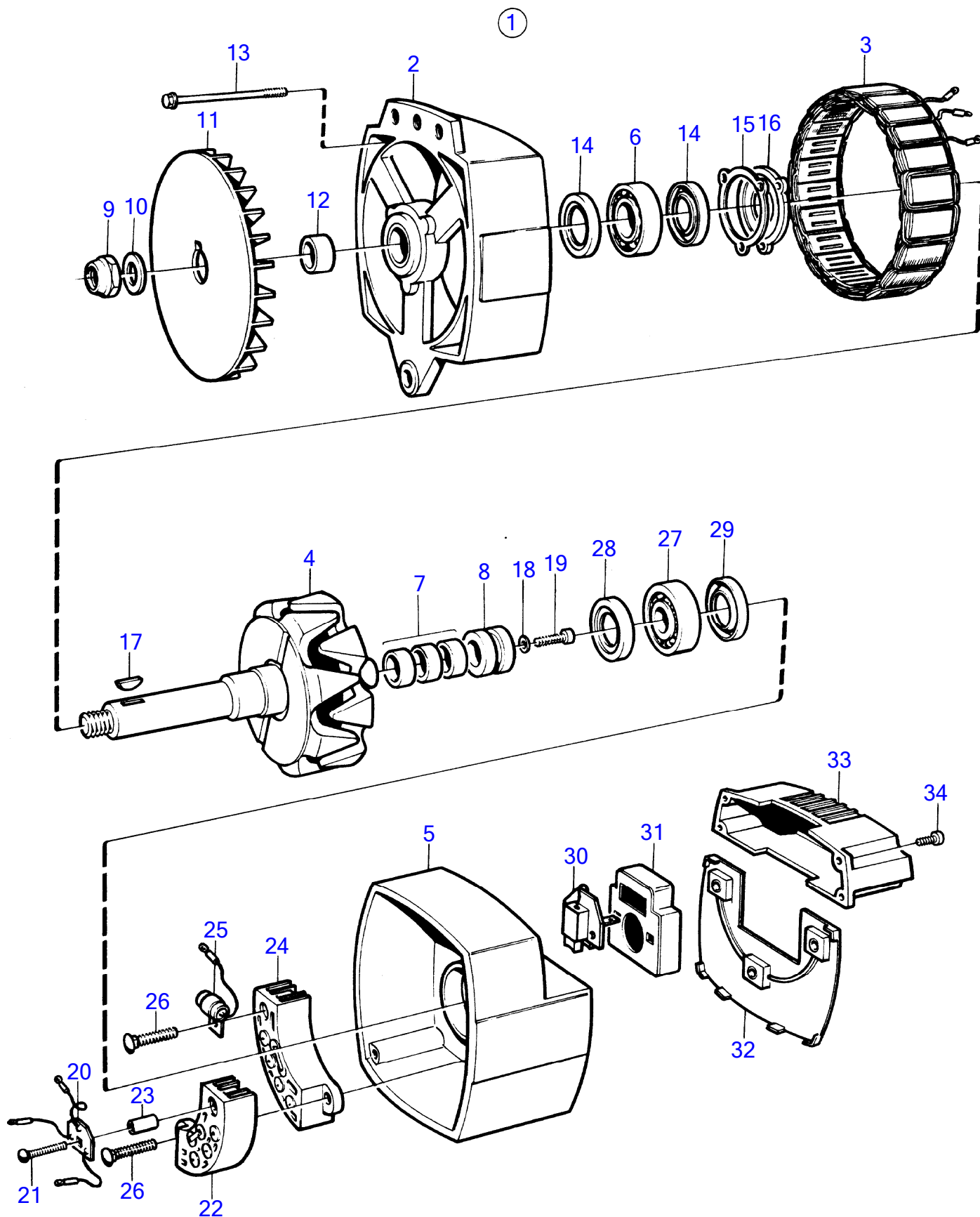
Ref	Part No.	Qty	Description	Notes
1	873757	1	Alternator	28V 60A repl by 873771
2		1	• Housing	
3	847708	1	• Ball bearing	(864350)
4	847709	1	• Bearing carrier	
5	840634	1	• Guide	
6	(864346)	1	• Stator	Obsolete part
7	(864347)	1	• Rotor	Obsolete part
8	864351	1	• Ball bearing	
9		1	• Housing	
10	(840629)	1	• Bearing race	Obsolete part
11	(1698689)	1	• Diode bridge	Obsolete part
12	847712	1	• Protecting casing	
13	847710	1	• Screw kit	
14	872368	1	• Regulator kit, with brush holder	
15	859312	4	• • Screw	
16	840632	1	• • Brush retainer	
17	859312	2	• • • Screw	
18	965483	2	• Flange nut	M5, D+, B-
	945407	1	• Flange nut	M6, b+
19	955779	1	• Hexagon nut	M4, w
20	941904	1	• Spring washer	For M4, W
21	847706	1	• Nut set	
22	(847707)	1	• Fan	Obsolete part



30 Alternator 28V 60A, Components: 873771

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	873771	1	Alternator	28V 60A
	3803443	1	Alternator, exch, exch	28V 60A
2		1	• Housing	
3	847708	1	• Ball bearing	(864350)
6	(864346)	1	• Stator	Obsolete part
7	(864347)	1	• Rotor	Obsolete part
8	864351	1	• Ball bearing	
9		1	• Housing	
10	(840629)	1	• Bearing race	Obsolete part
11	(1698689)	1	• Diode bridge	Obsolete part
12	847712	1	• Protecting casing	
13	847710	1	• Screw kit	
14	872368	1	• Regulator kit, with brush holder	
15	859312	4	• • Screw	
16	840632	1	• • Brush retainer	
17	859312	2	• • • Screw	
18	965483	2	• Flange nut	M5, D+, B-
	945407	1	• Flange nut	M6, b+
19	955779	1	• Hexagon nut	M4, w
20	941904	1	• Spring washer	For M4, W
21	847706	1	• Nut set	
22	(847707)	1	• Fan	Obsolete part

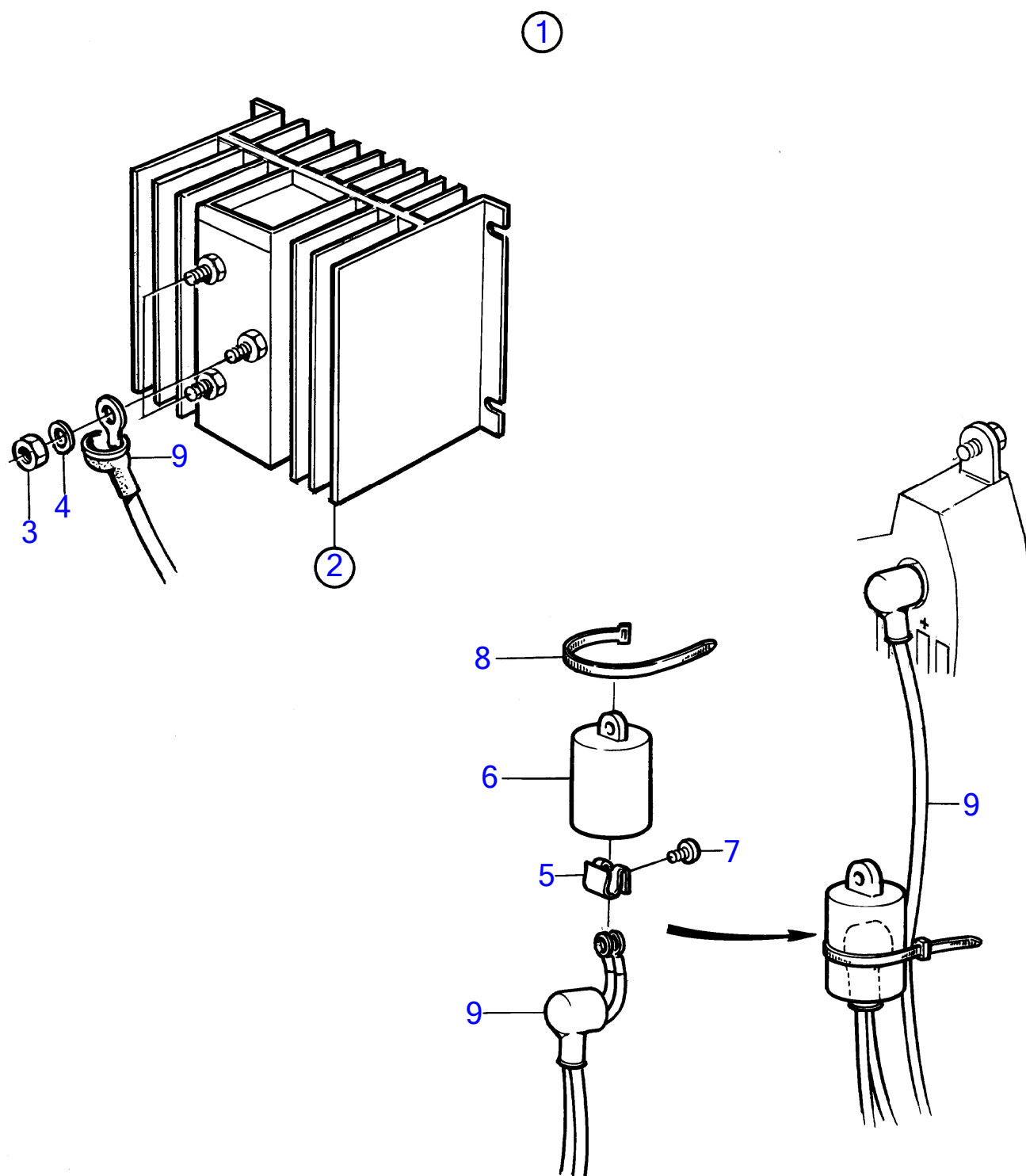


8659

30 Alternator 28V 100A, Components

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

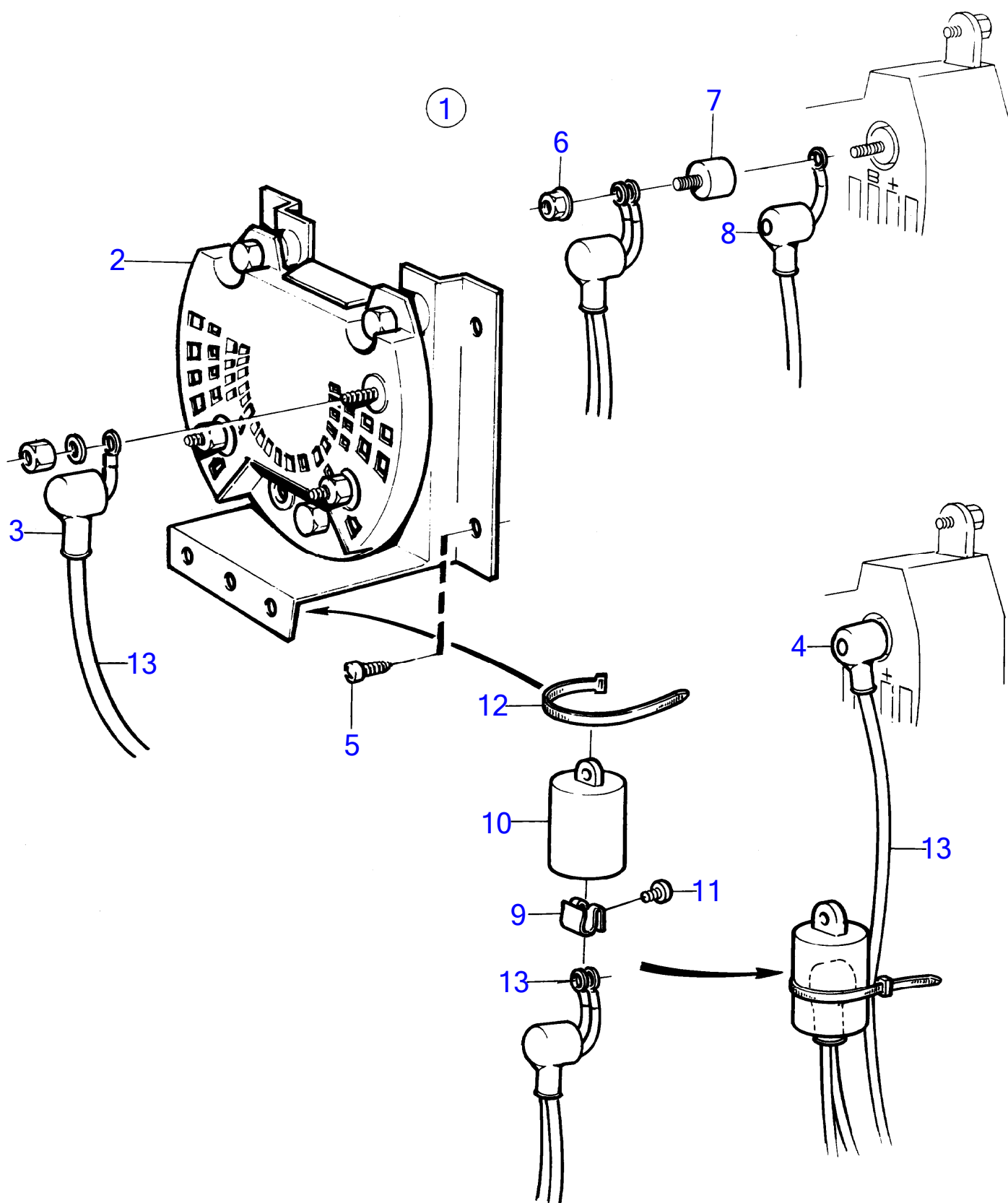
Ref	Part No.	Qty	Description	Notes
1	849748	1	Alternator	For 24 voltage electric system., 28V, 100A, Obsolete part
	3803499	1	Alternator, exch, exch	For 24 voltage electric system., 28V, 100A, Obsolete part
2		1	• End plate	
3	(862506)	1	• Stator	Obsolete part
4	(862507)	1	• Rotor	Obsolete part
5		1	• End plate	
6	862509	1	• Bearing	
7	862510	1	• Bearing	
8	862511	1	• Slip ring	
9		1	• Nut	
10		1	• Washer	
11		1	• Fan	
12		1	• Spacer	
13		4	• Screw	
14	(862520)	1	• Seal	Obsolete part
15	862521	1	• Retainer	
16		1	• Retainer	
17		1	• Wedge	
18		2	• Washer	
19		1	• Screw	
20	(862512)	1	• Diode	Obsolete part
21		1	• Screw	
22	(862513)	1	• Rectifier plate	Pos, Obsolete part
23		1	• Sleeve	
24	862514	1	• Rectifier plate	Neg
25		1	• Kit	
26		2	• Screw	
27	862516	1	• Bearing	
28	(862524)	1	• Seal	Obsolete part
29	(862524)	1	• Seal	Obsolete part
30	862517	1	• Brush set	
31		1	• Cover	
32		1	• Insulator	
33	862526	1	• Governor	
34		2	• Screw	



30 Charging Distributor

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

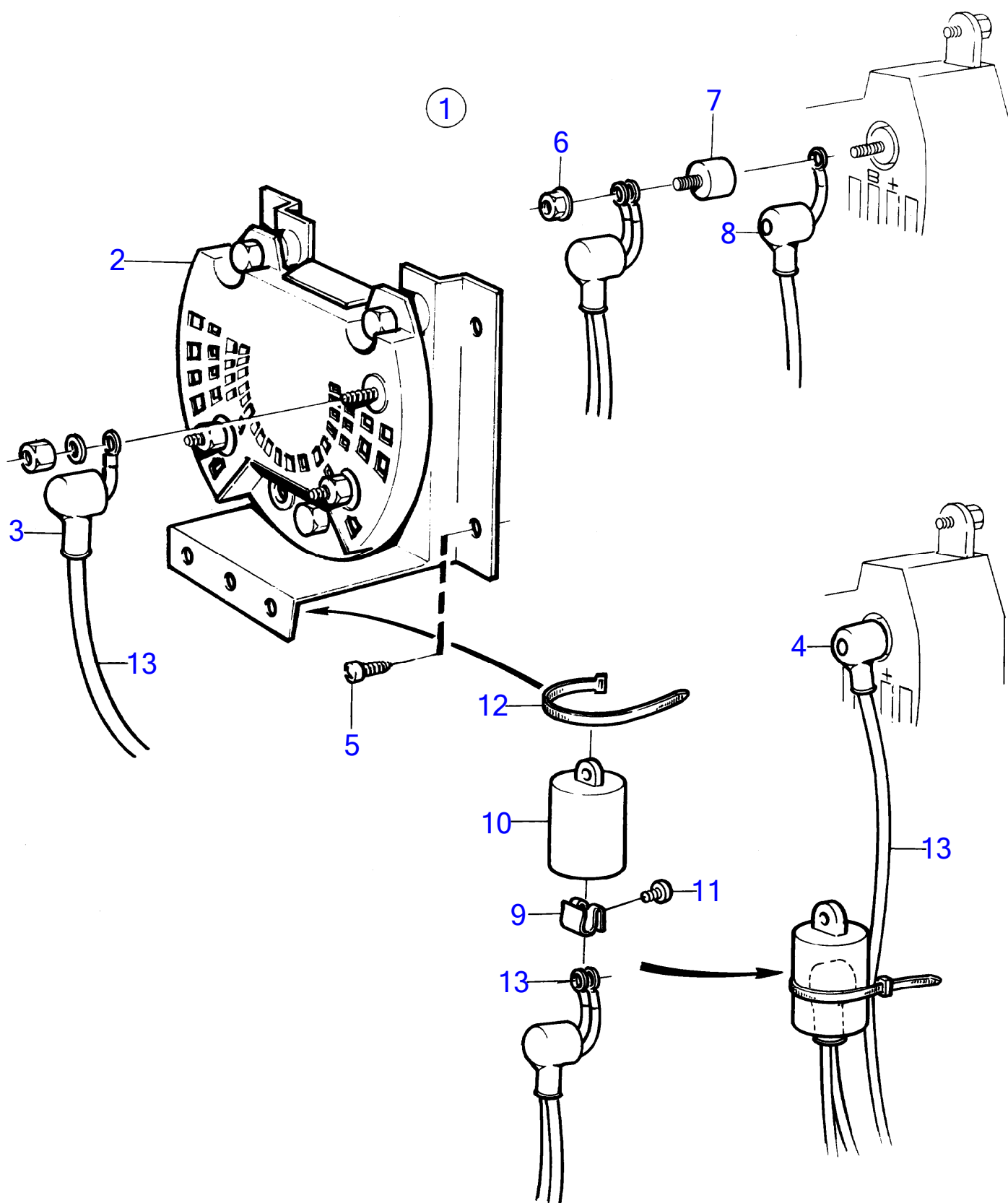
Ref	Part No.	Qty	Description	Notes
1	873120	1	Junction block	For charging of 2 batteries., For alternators 12-28V up to 60A.
			• Bulletin 52-07	Charging Distributor
			• Bulletin 52-11	Charging Distributor
2	872928	1	• Junction block	
3	955846	3	• Hexagon nut	
4	941906	3	• Spring washer	
5	859492	1	• Spring nut	
6	859493	1	• Protecting casing	
7	955126	1	• Cross recessed screw	
8	948211	1	• Cable tie	
9		X	electrical materials	



30 Charging Distributor: 858841

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

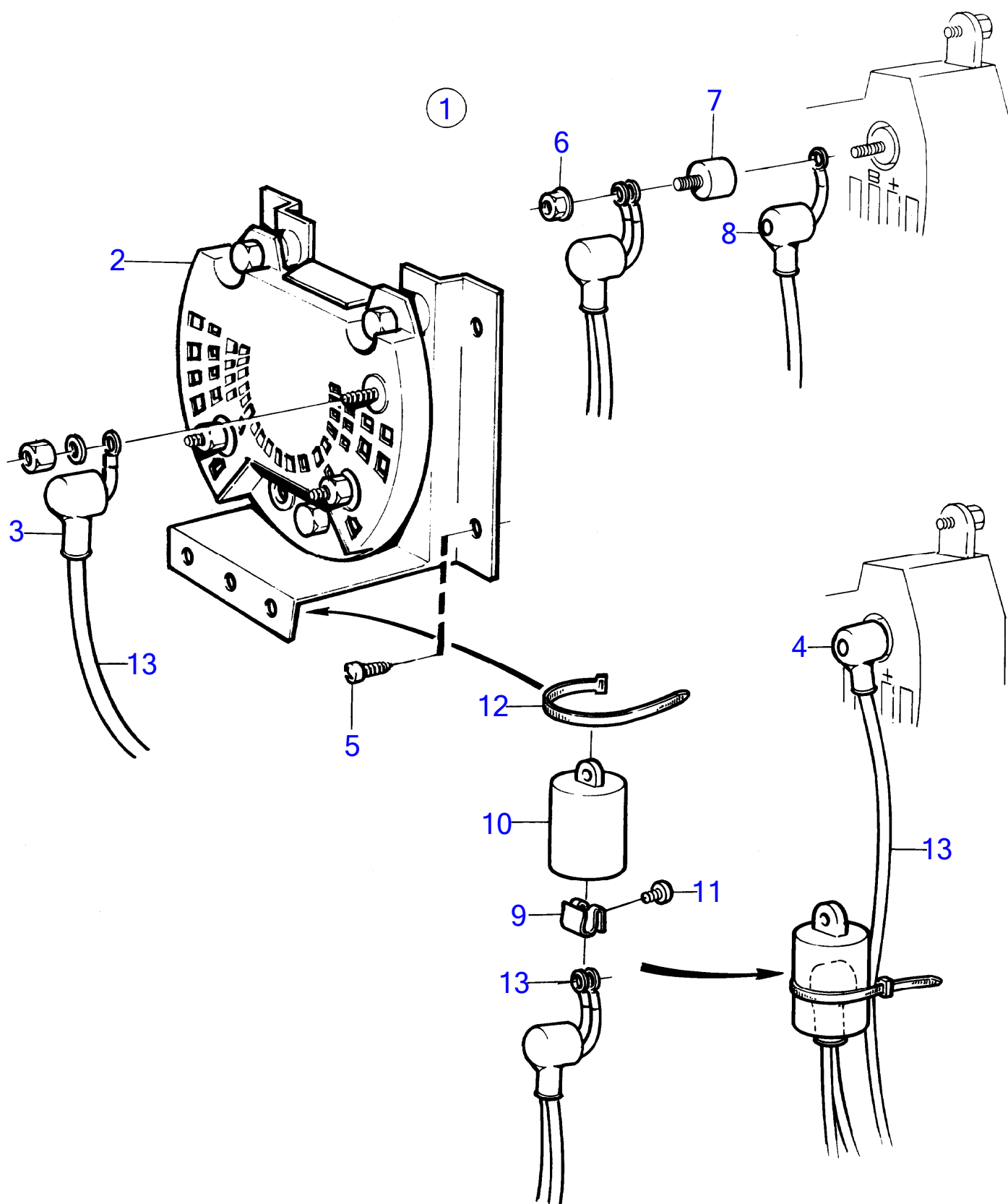
Ref	Part No.	Qty	Description	Notes
1	858841	1	Junction block	For charging of 2 batteries., For alternator 12V 50A., Repl by 859499
2	(858842)	1	• Junction block	Obsolete part
3	842150	3	• Protective cap	
5	828647	4	• Screw	Not included in later version of kit 858841.
6	945407	2	• Flange nut	Not included in later version of kit 858841.
7	862330	1	• Rubber cushion	
8	(862345)	1	• Protective cap	Obsolete part
12	948211	1	• Cable tie	
13		X	• electrical materials	



30 Charging Distributor: 859499

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

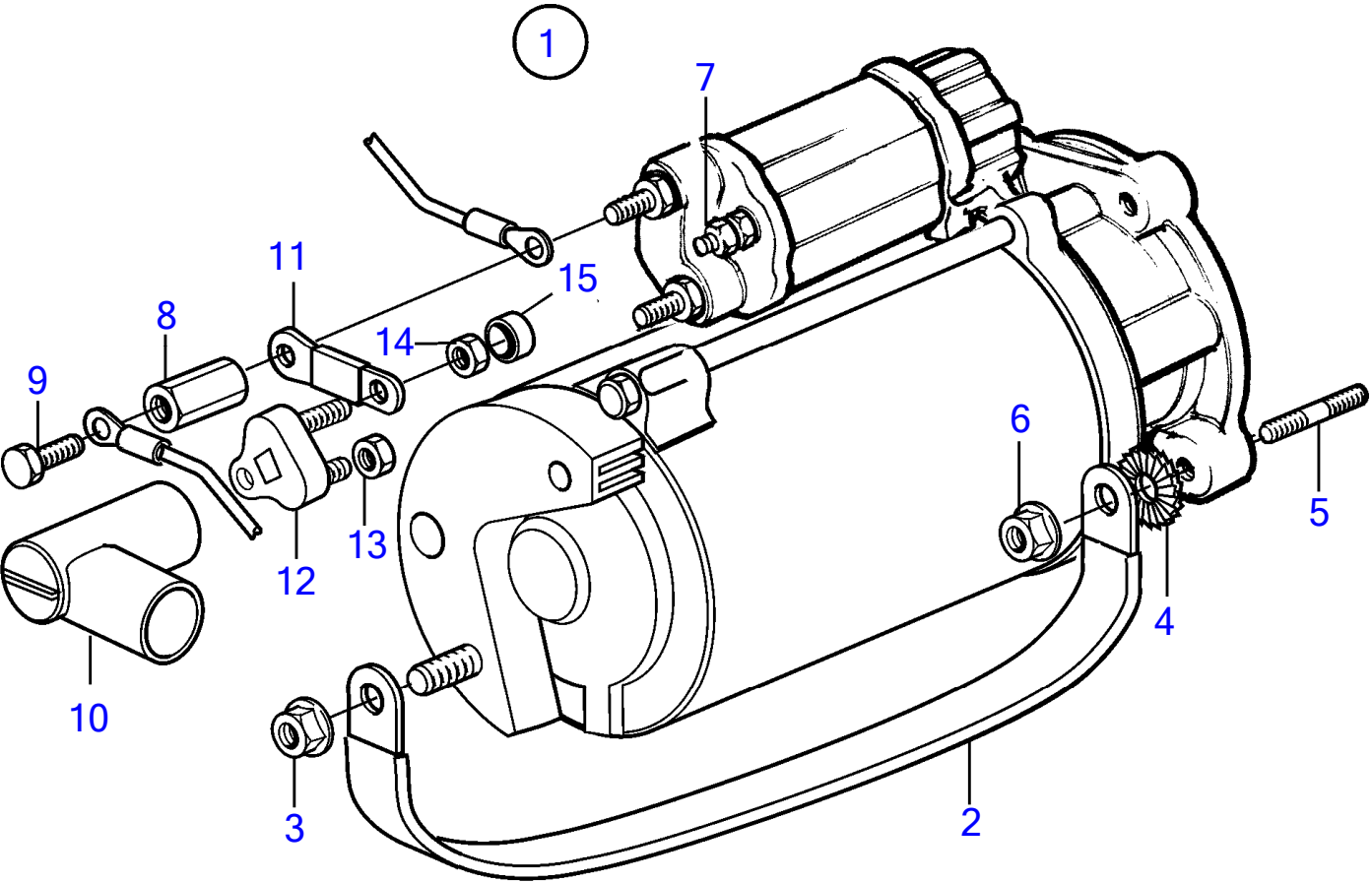
Ref	Part No.	Qty	Description	Notes
1	859499	1	Junction block	For charging of 2 batteries., For alternator 12V 50A., Replaced by 873120
2	(858842)	1	• Junction block	Obsolete part
3	842150	3	• Protective cap	
4	842150	1	• Protective cap	
9	859492	1	• Spring nut	
10	859493	1	• Protecting casing	
11	955126	1	• Cross recessed screw	
12	948211	1	• Cable tie	
13		X	• electrical materials	



30 Charging Distributor: 873120

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A,
TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	873120	1	Junction block	
			Bulletin 52-07	Charging Distributor
			Bulletin 52-11	Charging Distributor

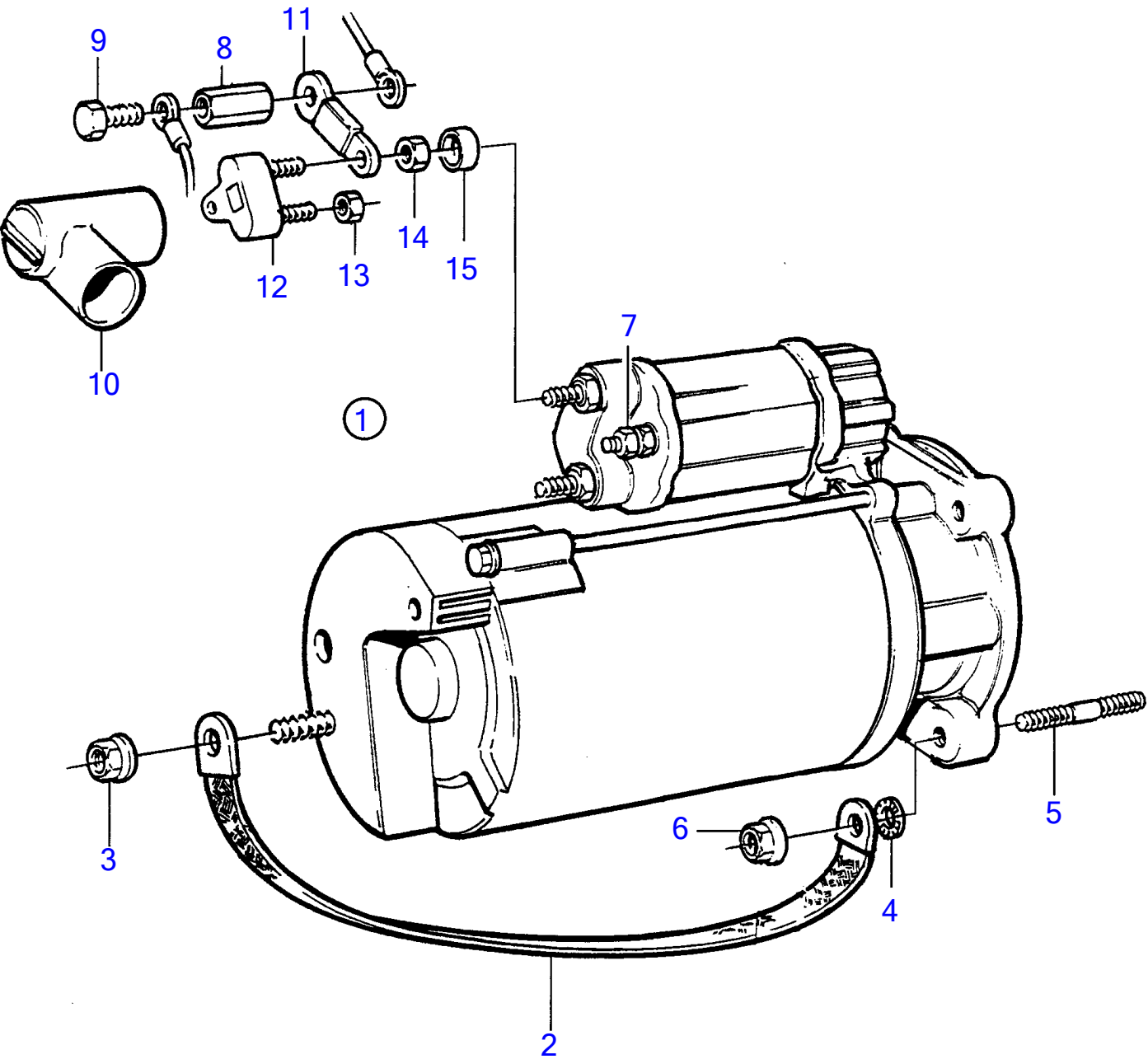


23095

30 Starter Motor

AD31L-A, AD31P-A

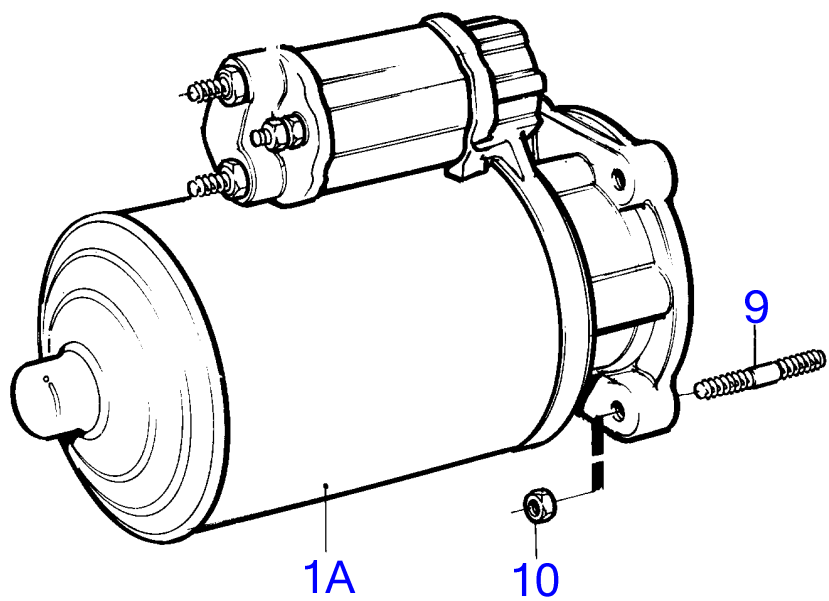
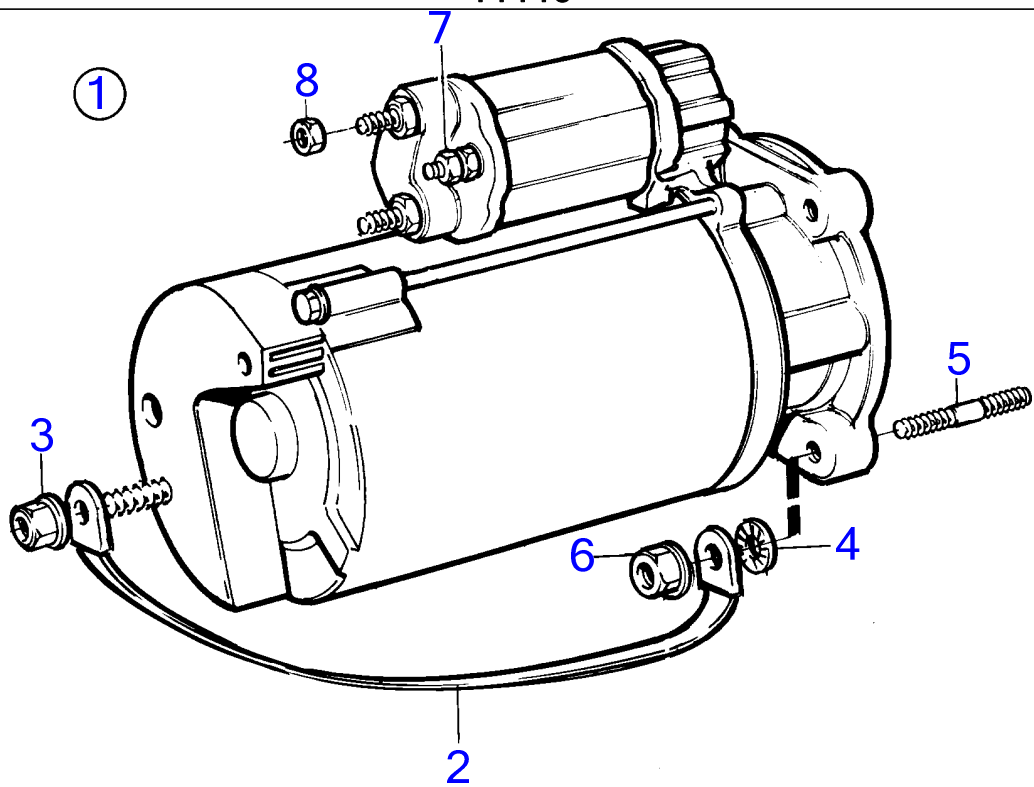
Ref	Part No.	Qty	Description	Notes
1	859252	1	Starter motor	Repl by 3581774
			.	
			.	
	3581774	1	Starter motor	
	3803386	1	Starter motor, exch, exch	
			.	
			.	
2	968048	1	Chassis ground cable	
3	945408	1	Flange nut	
4	945987	1	Toothed washer	
5	953067	2	Stud	L=45mm
	953069	1	Stud	L=50mm
6	971095	3	Flange nut	
7	965483	1	Flange nut	
8	855314	1	Spacer nut	
9	947107	1	Flange screw	
10	855798	1	Protecting sleeve	
11	860212	1	Current bar	
12	3819905	1	Fuse	(856355)
13	945407	1	Flange nut	
14	853573	1	Hexagon nut	
15	853572	1	Protective cap	



30 Starter Motor

AD41L-A, AD41P-A, D41L-A

Ref	Part No.	Qty	Description	Notes
1	859252	1	Starter motor	Repl by 3581774
			.	
			.	
	3581774	1	Starter motor	
	3803386	1	Starter motor, exch, exch	
			.	
			.	
2	968048	1	Chassis ground cable	
3	945408	1	Flange nut	
4	945987	1	Toothed washer	
5	953067	2	Stud	L=45mm
	953069	1	Stud	L=50mm
6	971095	3	Flange nut	
7	965483	1	Flange nut	
8	855314	1	Spacer nut	
9	947107	1	Flange screw	
10	855798	1	Protecting sleeve	
11	860212	1	Current bar	Alt
12	3819905	1	Fuse	Alt
13	945407	1	Flange nut	
14	853573	1	Hexagon nut	
15	853572	1	Protective cap	

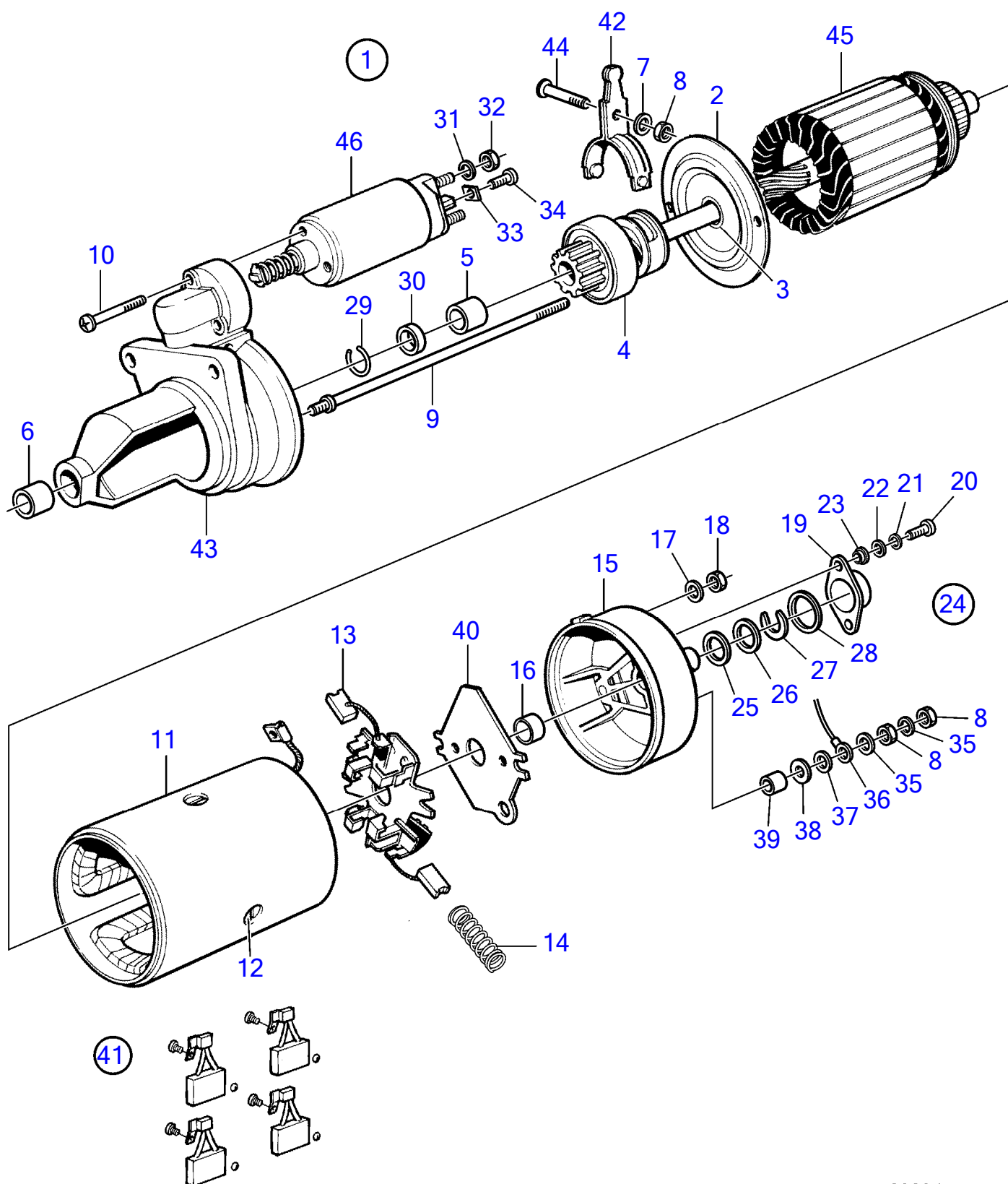


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30 Starter Motor

TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A,
TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A

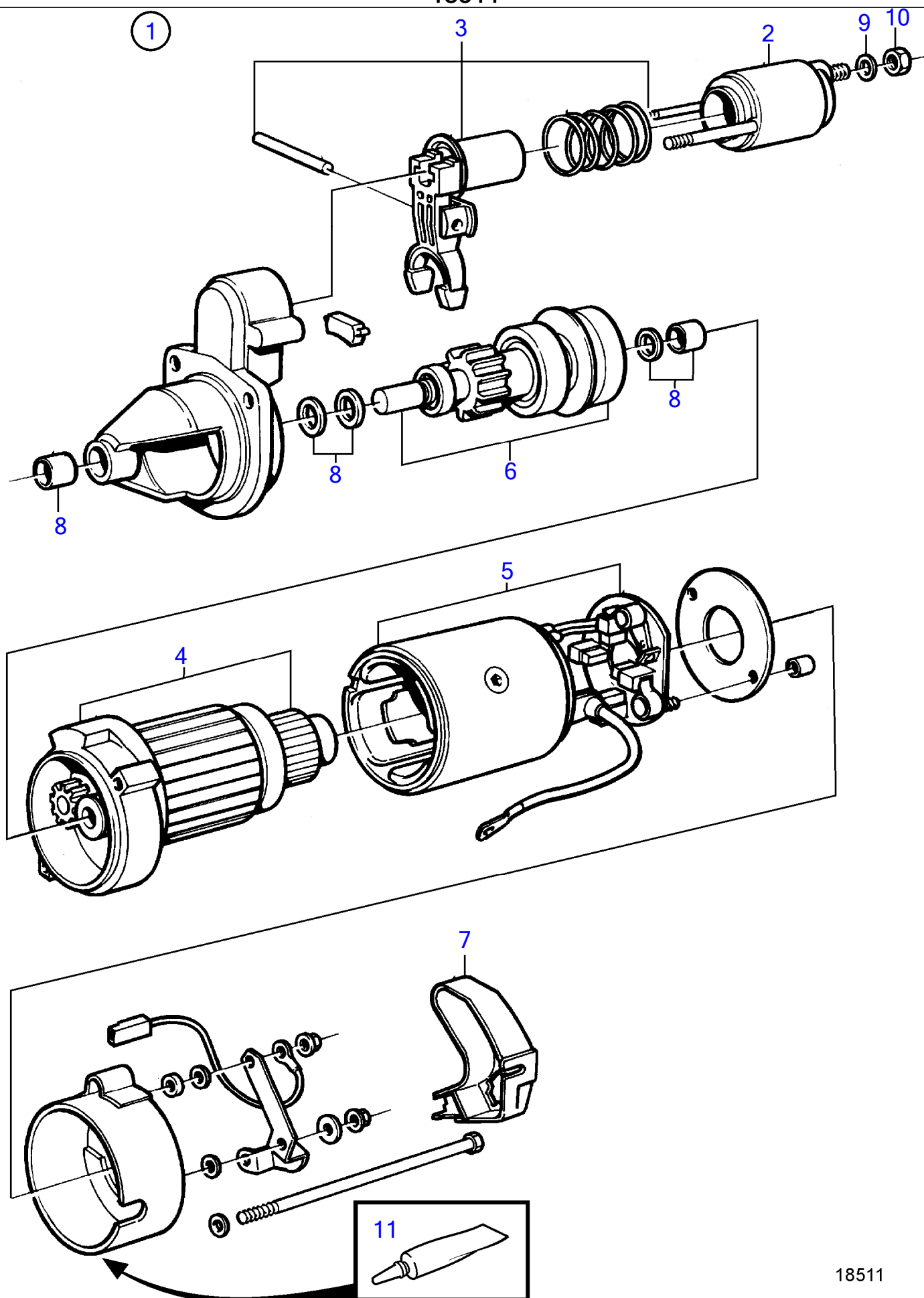
Ref	Part No.	Qty	Description	Notes
1	859252	1	Starter motor	12V
			.	
			.	
	3581774	1	Starter motor	
	3803386	1	Starter motor, exch, exch	
			.	
			.	
1A	838987	1	Starter motor	24V
1			.	
			.	
2	968048	1	Chassis ground cable	
3	945408	1	Flange nut	
4	945987	1	Toothed washer	
5	953067	2	Stud	L=45mm
	953069	1	Stud	L=50mm
6	971095	3	Flange nut	
7	965483	1	Flange nut	
8	945408	1	Flange nut	
9	953067	2	Stud	L=45mm
	953069	1	Stud	L=50mm
10	971095	3	Flange nut	



30 Starter Motor, Components: 838987

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

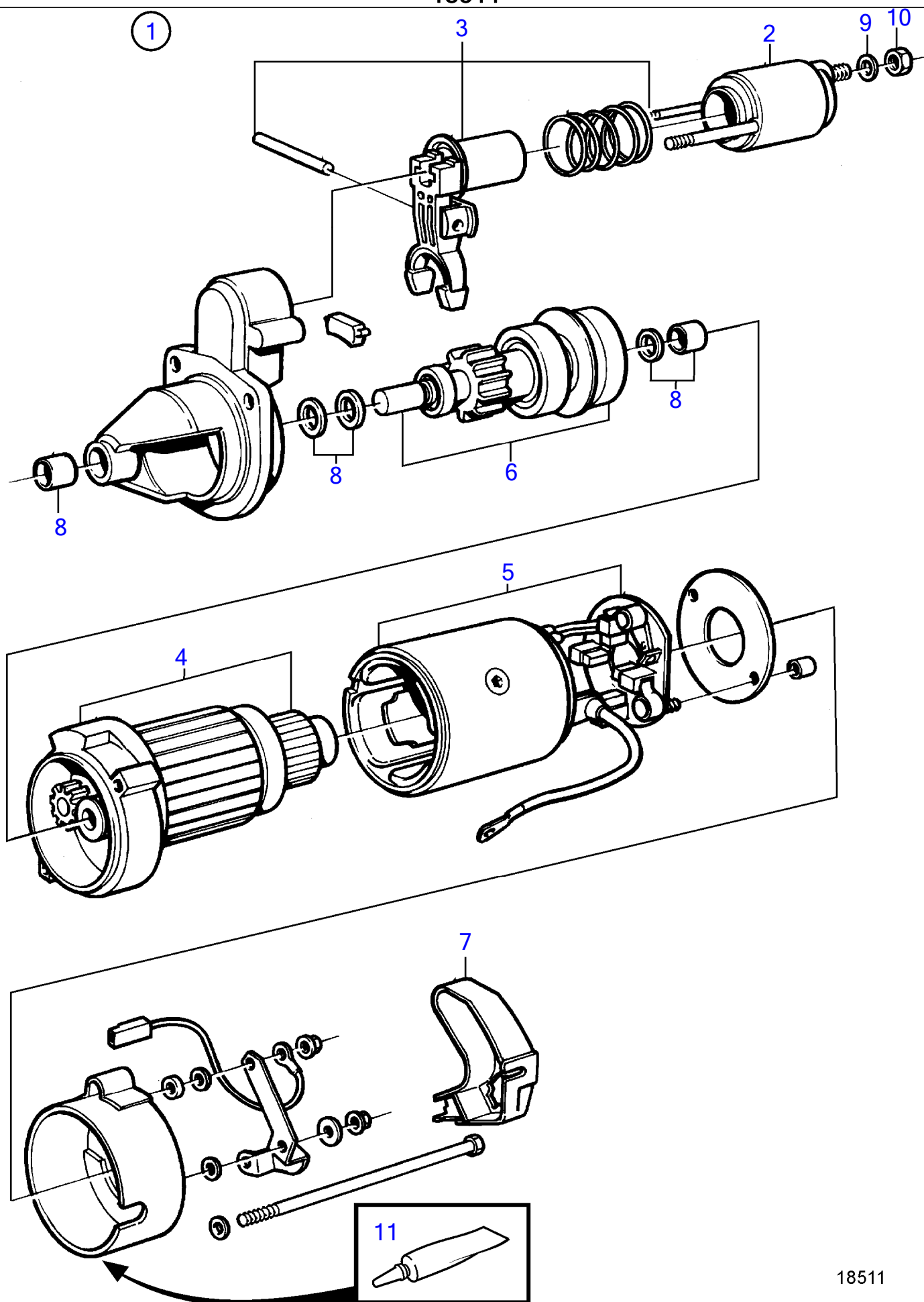
Ref	Part No.	Qty	Description	Notes
1	838987	1	Starter motor	24V
2	(6210770)	1	• Bearing shield	Obsolete part
3	6644949	1	• • Bearing bushing	
4	1696543	1	• Starter pinion	
5	6210772	1	• • Bearing bushing	
6	48109	1	• Bearing bushing	
7	941907	1	• Spring washer	
8	947941	3	• Hexagon nut	
9	(6210774)	2	• Screw	Obsolete part
10	(1696544)	3	• Screw	Obsolete part
11	(6210775)	1	• Field winding	Obsolete part
12	6211936	4	• Screw	
13	858686	1	• Brush retainer	
14	6211874	4	• Spring	
15	(858687)	1	• Bearing shield	Obsolete part
16	6210777	1	• • Bearing bushing	
17	(86287)	2	• Washer	Obsolete part
18	955781	2	• Hexagon nut	
19	(858688)	1	• Cover	Obsolete part
20	969407	2	• 6 point socket screw	
21	941905	2	• Spring washer	
22	(858696)	2	• Washer	Obsolete part
23	(858695)	2	• Bushing	Obsolete part
24	829707	1	• Small parts kit	
25		1	• • Spacer	
26		1	• • Spacer	
27		1	• • Lock washer	
28		1	• • Gasket	
29		1	• • Lock ring	
30		1	• • Washer	
31		2	• Washer	
32	971080	2	• Hexagon nut	
33	(858689)	1	• Clamping brace	Obsolete part
34	956058	1	• Cross recessed screw	
35	941907	2	• Spring washer	
36		X	• electrical materials	
37	955894	1	• Washer	
38	(858693)	1	• Insulating sheet	Obsolete part
39	(858692)	1	• Bushing	Obsolete part
40	(858691)	1	• Insulating plate	Obsolete part
41	6210778	1	• Brush set	
42	(1696545)	1	• Engagement lever	Obsolete part
43	(1696578)	1	• Bearing shield	Obsolete part
44	6210773	1	• Screw	
45	6210769	1	• Anchor	
46	858697	1	• Solenoid	



30 Starter Motor, Components: 859252

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	859252	1	Starter motor	2-pole., E.U=3803118
2	859618	1	• Solenoid switch	
3	859619	1	• Intermediate lever	
4	(859621)	1	• Rotor	Obsolete part
5	(859622)	1	• Field winding	Obsolete part
6	859623	1	• Starter pinion	
7	860439	1	• Cover	
8	859620	1	• Repair kit	
9	941907	1	Spring washer	
10	955782	1	Hexagon nut	
11	1161277	X	Sealant	Black, 20g
	1161231	X	Sealant	Black, 0.31L

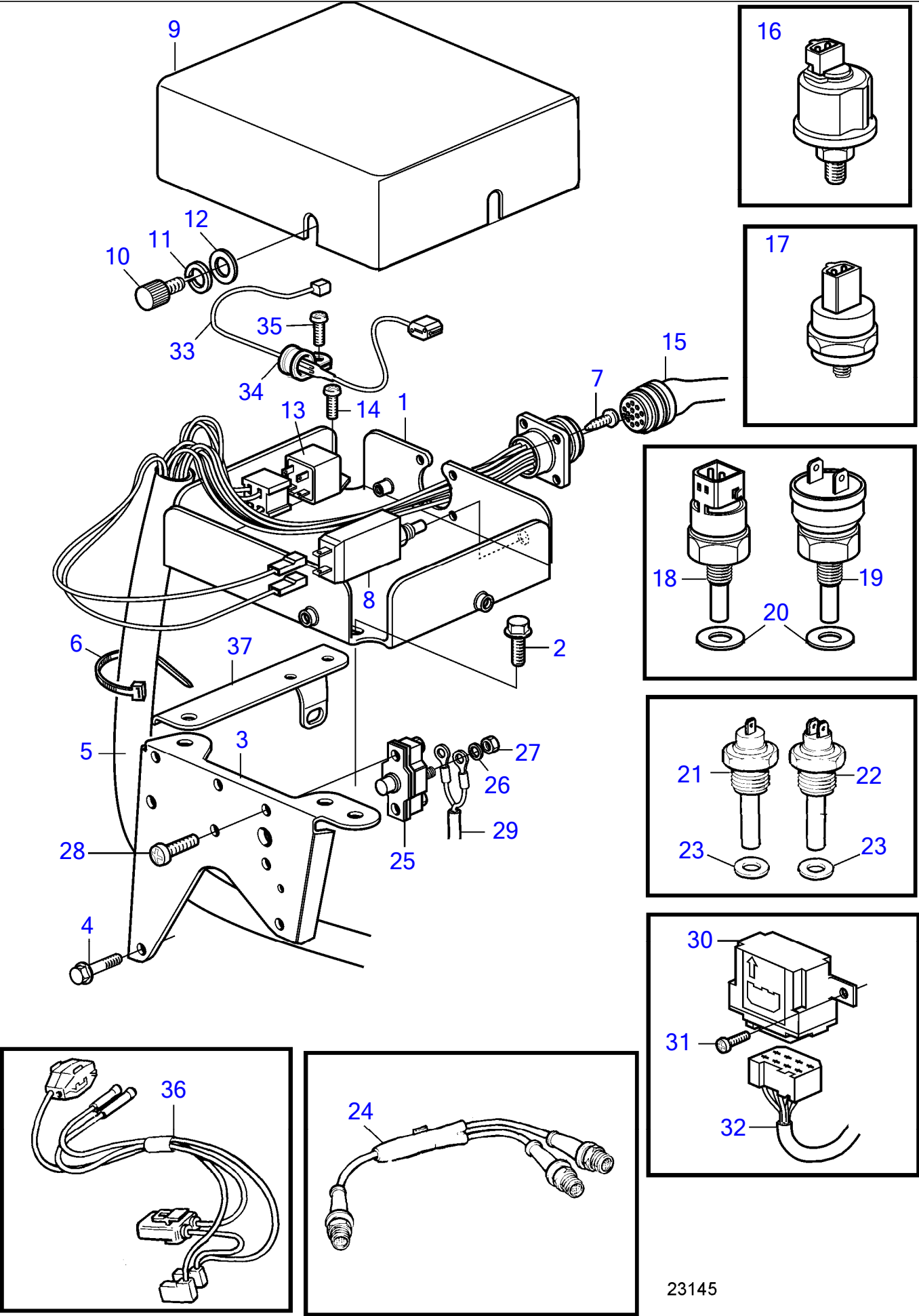


30 Starter Motor, Components: 3581774

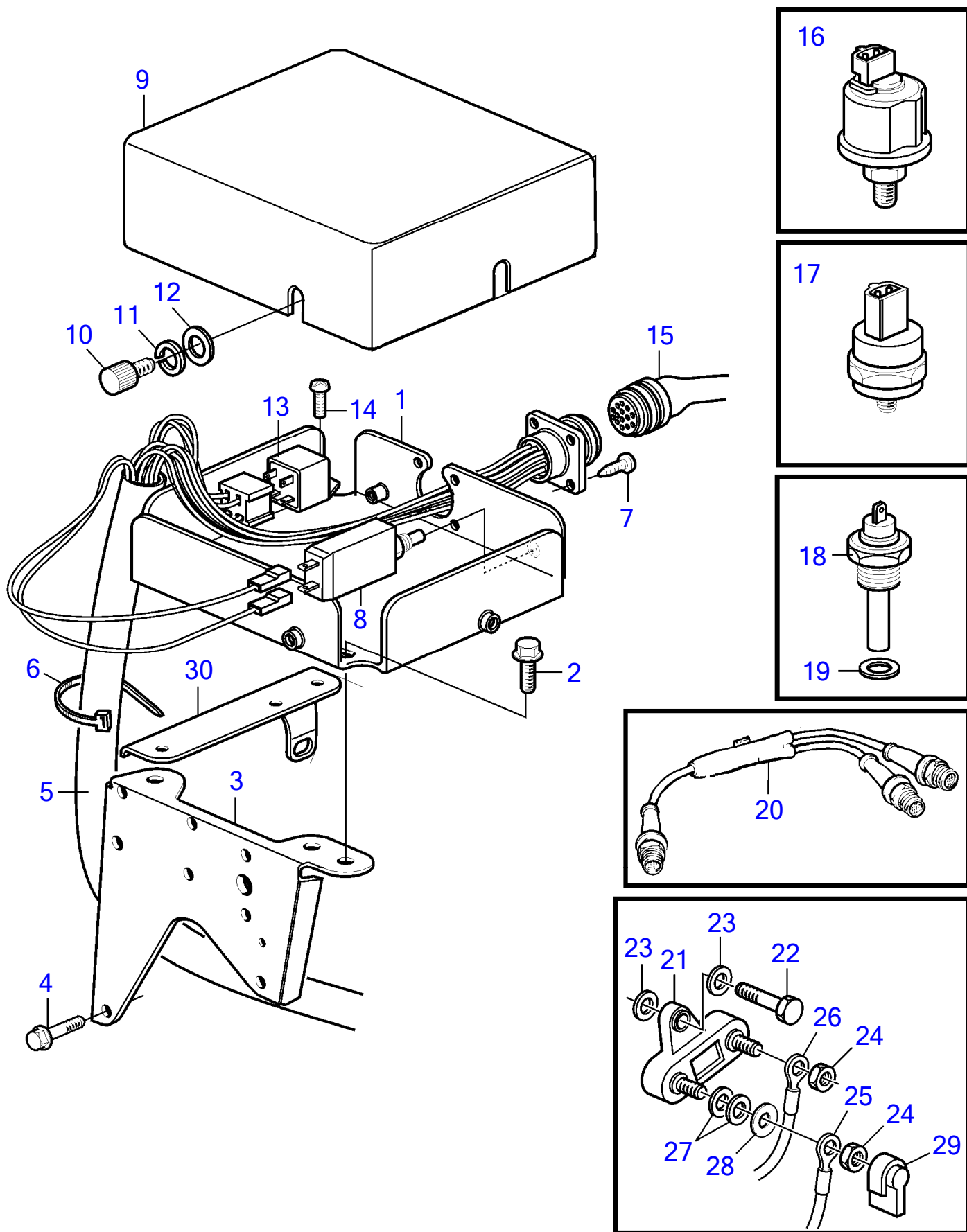
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Ref	Part No.	Qty	Description	Notes
1	3581774	1	Starter motor	2-pole., E.U=3803386
	3803386	1	Starter motor, exch, exch	2-pole., E.U=3803386
2	859618	1	• Solenoid switch	
3	859619	1	• Intermediate lever	
4	(859621)	1	• Rotor	Obsolete part
5	(859622)	1	• Field winding	Obsolete part
6	859623	1	• Starter pinion	
7	860439	1	• Cover	
8	859620	1	• Repair kit	
9	941907	1	Spring washer	
10	955782	1	Hexagon nut	
11	1161277	X	Sealant	Black, 20g
	1161231	X	Sealant	Black, 0.31L

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L
23145



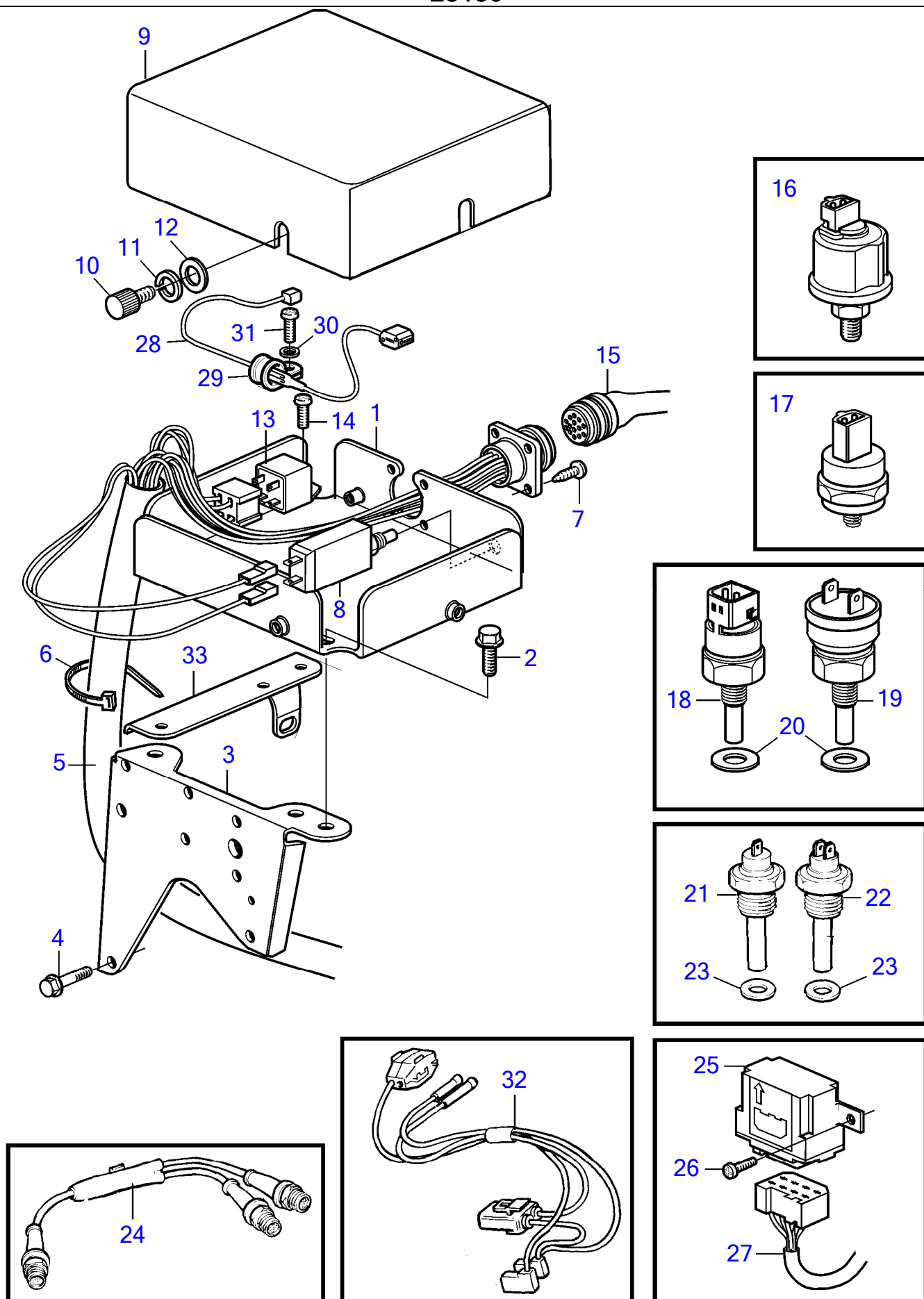
Ref	Part No.	Qty	Description	Notes
1	860417	1	Bracket	
2	948746	2	Flange screw	
3	3580668	1	Bracket	
4	946470	1	Flange screw	L=35mm
	948217	1	Flange screw	L=45mm
5	873550	1	Wiring harness	Replaced by 1pcs 873744, wiring harness, and 1pcs 873740, relay., SN-22
	873744	1	Wiring harness	SN2203126468-
	873532	1	Wiring harness	Replaced by 1pcs 873745, wiring harness, and 1pcs 873740, relay., SOLAS
	873745	1	Wiring harness	SOLAS
6	948211	X	Cable tie	
7	955119	4	Cross recessed screw	
8	966689	1	Fuse	For 24V electrical system use 2pcs 966689, fuse., 24V
9	(860779)	1	Cover	Obsolete part
10	846736	3	Lock screw	
11	941904	3	Spring washer	
12	960137	3	Washer	
13	873740	1	Relay	12V, 40A
	838955	1	Relay	24V, 50A
	873611	1	Relay	24V, 20A
	1324492	1	Relay	
14	968476	X	Flange screw	
15	846648	1	Extension cable	L=3.0m
	846649	1	Extension cable	L=5.0m
	846650	1	Extension cable	L=7.0m
16	866835	1	Sensor, oil-engine	0-10BAR
			• Bulletin P-38-6-1	Vibration Damping Kit
16	866836	1	Sensor, oil-engine	For double instruments., Alt,0-10bar
17	863169	1	Pressure monitor, oil-pressure	0,7bar
18	862250	1	Thermo monitor, coolant water temp.	24V 97°C, for 873532
19	873877	1	Thermo monitor, coolant water temp.	
20	957181	2	Gasket	
21	873066	1	Thermo monitor, coolant water temp.	1-way., 12V 97°C
	827151	1	Temperature sensor, coolant water temp.	1-way., 12V 40-120°C
	840074	1	Temperature sensor, coolant water temp.	1-way., For double instruments., Alt,12V 40-120°C
22	843325	1	Temperature sensor, coolant water temp.	2-way., 24V 120°C
23	11998	2	Gasket	
24	1140598	X	Distributing contact	Included in gasket kit, decarbonizing 276035.
25	856337	1	Automatic fuse	AD31/SX
26		2	• Washer	
27		2	• Nut	
28	3853620	2	Hexagon screw	AD31/SX
29	873603	1	Wiring harness, cables and terminals	AD31/SX
30	873112	1	Position sensor	SOLAS
31	968476	2	Flange screw	
32		1	Wiring harness	
33	873828	1	Resistor	
	873717	1	Resistor	SOLAS, later prod
34	952627	1	Clamp	
35	968476	1	Flange screw	
36	873543	1	Cable kit	Cable kit 873543 is used as adapter between cable harness 873745 and th
37	3581444	1	Bracket	



30 Electrical System

AD41L-A, AD41P-A, D41L-A

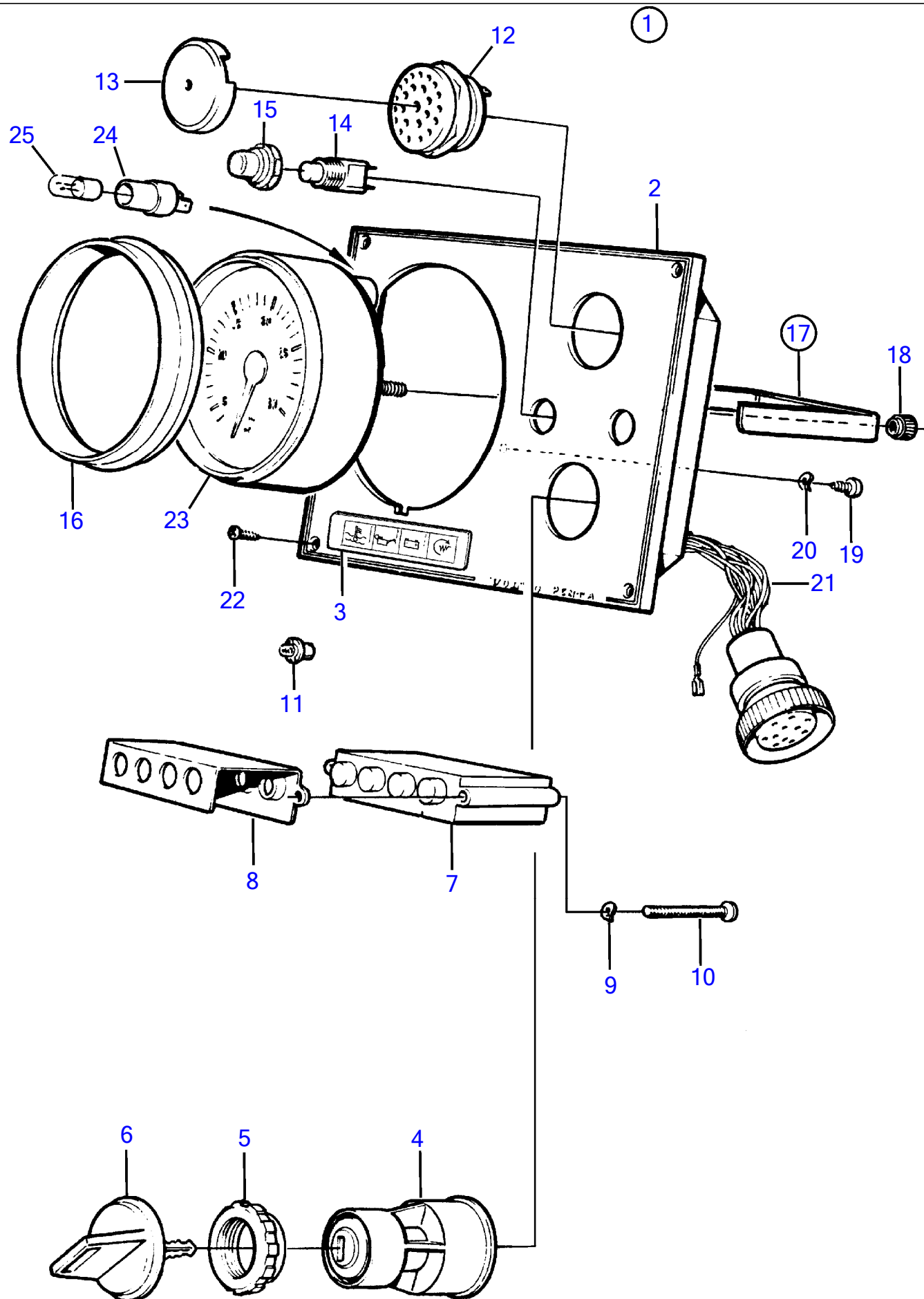
Ref	Part No.	Qty	Description	Notes
1	860417	1	Bracket	
2	948746	2	Flange screw	
3	3580668	1	Bracket	
4	946470	1	Flange screw	L=35mm
	948217	1	Flange screw	L=45mm
5	873550	1	Wiring harness	Replaced by 1pcs 873744, wiring harness, and 1pcs 873740, relay.
	873744	1	Wiring harness	SN2204115148-
6	948211	X	Cable tie	
7	955119	4	Cross recessed screw	
8	966689	1	Fuse	For 24V electrical system use 2pcs 966689, fuse., 24V
9	(860779)	1	Cover	Obsolete part
10	846736	3	Lock screw	
11	941904	3	Spring washer	
12	960137	3	Washer	
13	873740	1	Relay	12V, 40A
14	968476	X	Flange screw	
15	846648	1	Extension cable	L=3.0m
	846649	1	Extension cable	L=5.0m
	846650	1	Extension cable	L=7.0m
16	866835	1	Sensor, oil-engine · Bulletin P-38-6-1	0-10BAR Vibration Damping Kit
16	866836	1	Sensor	For double steering positions., Alt,0-10bar
17	863169	1	Pressure monitor, oil-pressure	0,7bar
18	873066	1	Thermo monitor, coolant water temp.	1-way., Alt, 12V 97°C
	827151	1	Temperature sensor, coolant water temp.	1-way., 40-120°C
	840074	1	Temperature sensor, coolant water temp.	1-way., For double instruments., Alt, 40-120°C
19	11998	2	Gasket	
20	1140598	X	Distributing contact	For double steering positions.
21	856355	1	Fuse	PT
22	956100	1	Cross recessed screw	
23	955893	2	Washer	
24	955781	2	Hexagon nut	
25		X	cables and terminals	PT
26		X	cables and terminals	PT
27	955893	2	Washer	
28	960140	1	Washer	
29	(1234326)	1	Protecting casing	Obsolete part
30	3581444	1	Bracket	



30 Electrical System

TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

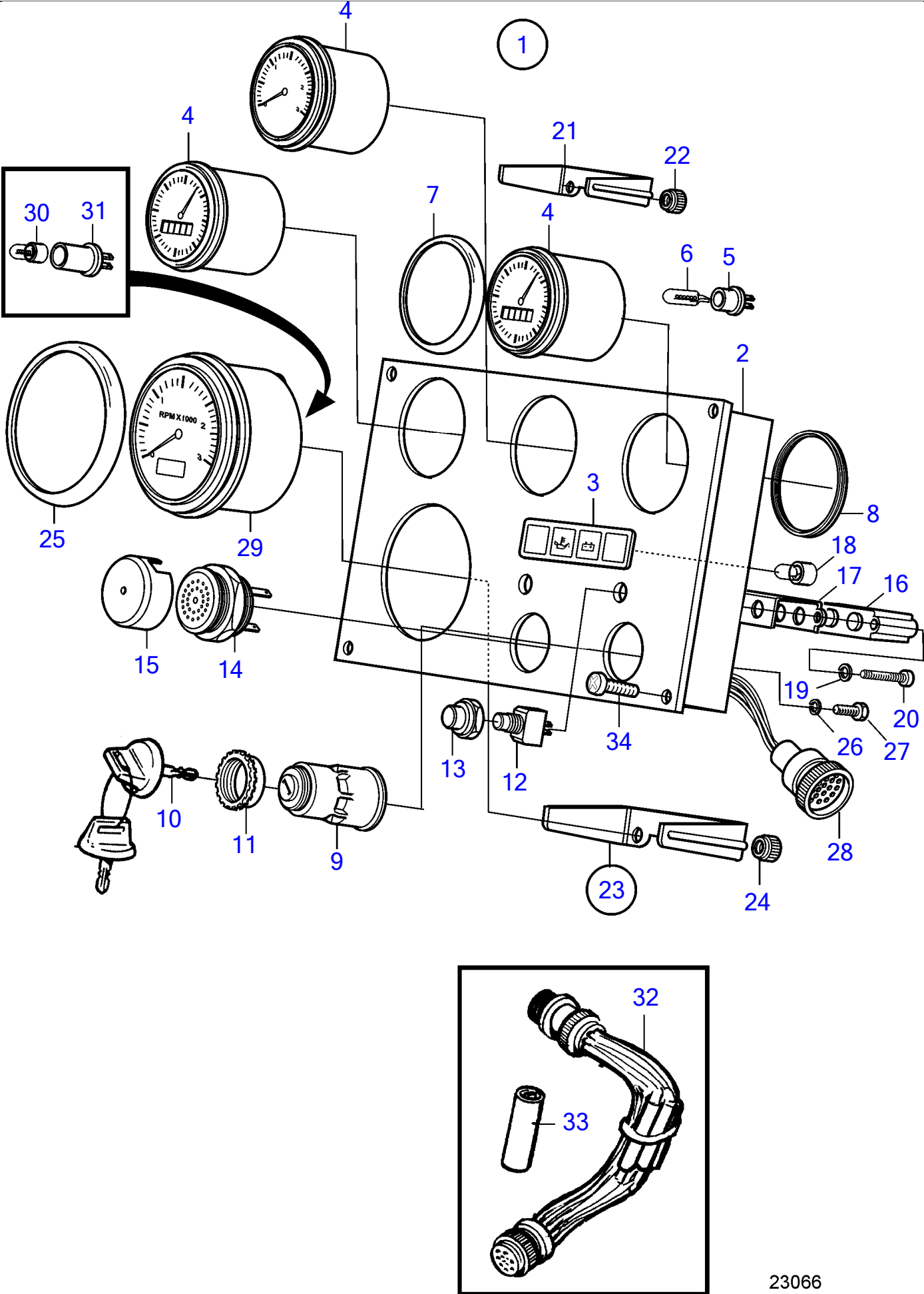
Ref	Part No.	Qty	Description	Notes
1	860417	1	Bracket	
2	948746	2	Flange screw	
3	3580668	1	Bracket	
4	946470	1	Flange screw	L=35mm
	948217	1	Flange screw	L=45mm
5	873550	1	Wiring harness	Replaced by 1pcs 873744, wiring harness, and 1pcs 873740, relay.
	873744	1	Wiring harness	SN2204115148-
	873532	1	Wiring harness	Replaced by 1pcs 873745, wiring harness, and 1pcs 873740, relay., SOLAS
	873745	1	Wiring harness	SOLAS
6	948211	X	Cable tie	
7	955119	4	Cross recessed screw	
8	966689	1	Fuse	For 24V electrical system use 2pcs 966689, fuse., 24V
9	(860779)	1	Cover	Obsolete part
10	846736	3	Lock screw	
11	941904	3	Spring washer	
12	960137	3	Washer	
13	873740	1	Relay	12V, 40A
	838955	1	Relay	24V, 50A
	873611	1	Relay	24V, 20A
	1324492	1	Relay	
14	968476	X	Flange screw	
15	846648	1	Extension cable	L=3.0m
	846649	1	Extension cable	L=5.0m
	846650	1	Extension cable	L=7.0m
16	866835	1	Sensor, oil-engine	0-10BAR
			• Bulletin P-38-6-1	Vibration Damping Kit
16	866836	1	Sensor	For double steering positions., Alt,0-10bar
17	863169	1	Pressure monitor, oil-pressure	0,7bar
18	862250	1	Thermo monitor, coolant water temp.	24V 97°C, for 873532
19	873877	1	Thermo monitor, coolant water temp.	
20	957181	2	Gasket	
21	873066	1	Thermo monitor, coolant water temp.	1-way., Alt, 12V 97°C
	827151	1	Temperature sensor, coolant water temp.	1-way., 40-120°C
	840074	1	Temperature sensor, coolant water temp.	1-way., For double instruments., Alt, 40-120°C
22	843325	1	Temperature sensor, coolant water temp.	2-way., 24V 120°C
23	11998	2	Gasket	
24	1140598	X	Distributing contact	For double steering positions.
25	873112	1	Position sensor	SOLAS
26	968476	2	Flange screw	
27		1	Wiring harness	SOLAS
28	873828	1	Resistor	
	873717	1	Resistor	SOLAS, later prod
29	952627	1	Clamp	
30	942767	1	Toothed washer	
31	968476	1	Flange screw	
32	873543	1	Cable kit	Cable kit 873543 is used as adapter between cable harness 873745 and th
33	3581444	1	Bracket	



30 Instrument Panel for Dual Station, 12V

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

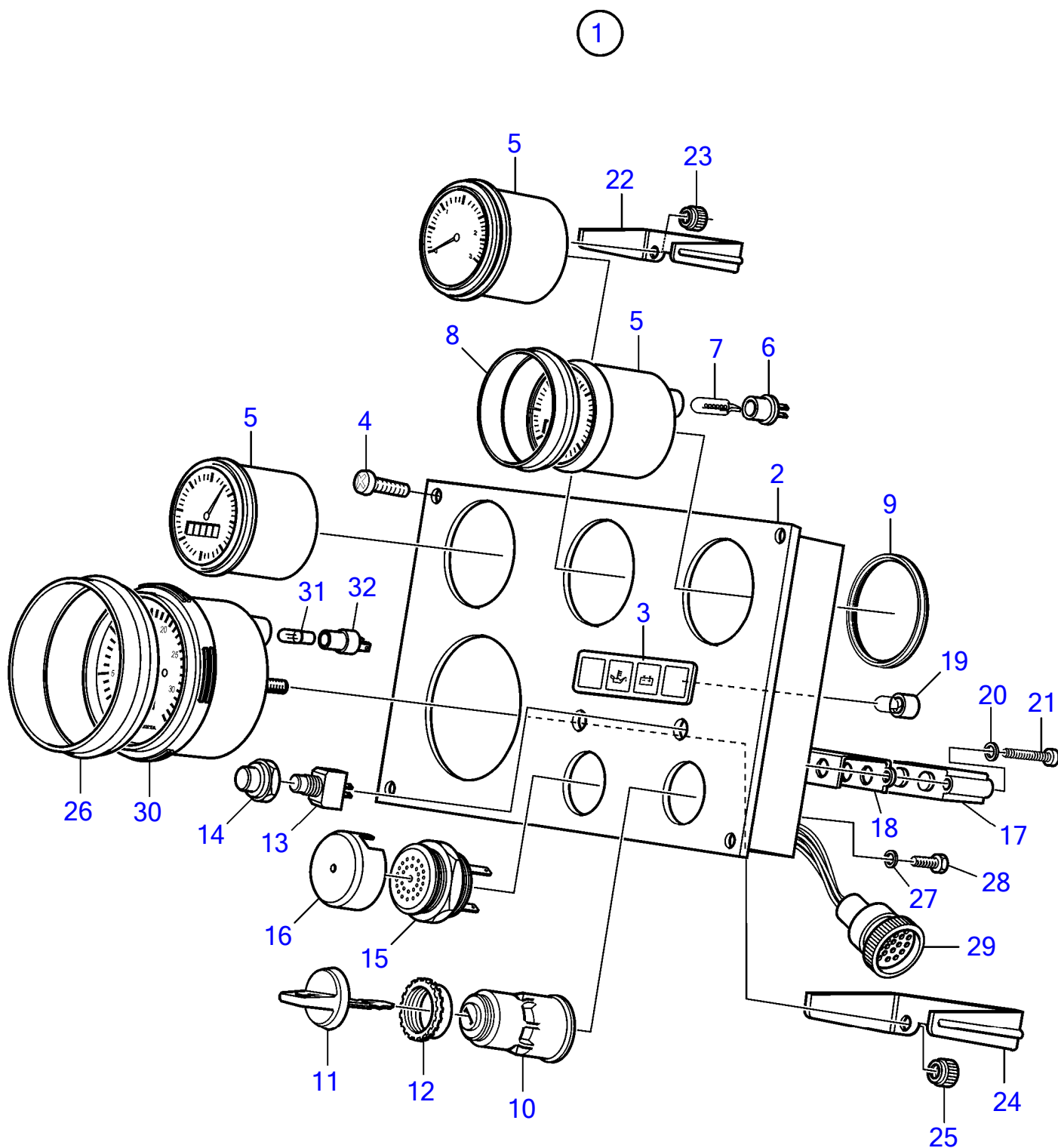
Ref	Part No.	Qty	Description	Notes
1	3587077	1	Instrument panel	(873593)
2	860183	1	• Instrument panel	
3	858645	1	• Symbol strip	
4	3587072	1	• Starter switch	(864277)
5	859955	2	• • Plastic nut	
6	859953	1	• • Key	State key code when ordering
			• Bulletin 49-30	Key P/N 859953
7	873737	1	• Electronic unit	
8	828784	1	• Reflector	
9	941904	2	• Spring washer	
10	(941615)	2	• Cross recessed screw	Obsolete part
11	19923	4	• Bulb	12V
12	828587	1	• Buzzer	
13	858795	1	• Protecting casing	
14	828584	1	• Toggle switch	Alarm test
	828585	1	• Toggle switch	Instr. light
15	828586	2	• Nut	
16	873517	1	• Ring	
17	873208	1	• Brace kit	
18		2	• • Nut	
19	949947	1	• Cross recessed screw	
20	941904	1	• Spring washer	
21	828648	1	• Cable kit	
22	828647	4	• Screw	
23	873992	1	Rev counter kit	4600 rpm
24	863945	1	• Bulb socket	
25	863946	1	• Bulb	12V, 1,2W red



30 Instrument Panel 24V

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	3587075	1	Instrument panel	(873591)
2	860182	1	• Instrument panel	
3	858645	1	• Symbol strip	
4	873196	1	• Thermometer	
	873198	1	• Oil pressure gauge	
	873200	1	• Voltmeter	
5	863945	3	• • Bulb socket	
6	863947	3	• • Bulb	
7	858643	3	• Front ring	D=52mm
8	828803	3	• Guide ring	
9	3587072	1	• Starter switch	(864277)
10	859953	2	• • Key	State key code when ordering
			• Bulletin 49-30	Key P/N 859953
11	859955	1	• • Plastic nut	
12	828584	1	• Toggle switch	Test alarm
	828585	1	• Toggle switch	Instr. light
13	828586	2	• Nut	
14	828587	1	• Buzzer	
15	858795	1	• Protecting casing	
16	873737	1	• Electronic unit	
17	828784	1	• Reflector	
18	828818	4	• Bulb	24V
19	941904	2	• Spring washer	
20	(941615)	2	• Cross recessed screw	Obsolete part
21	873207	3	• Brace kit	
22		6	• • Nut	
23	873208	1	• Brace kit	
24		2	• • Nut	
25	873517	1	• Ring	D=72mm
26	941904	1	• Spring washer	
27	949947	1	• Cross recessed screw	
28	828646	1	• Cable trunk	
29	873992	1	Rev counter kit	4600 rpm
30	863947	1	• Bulb	24V
31	863945	1	• Bulb socket	
32	873568	1	Diode cable	
33	20382270	1	• Diode	(1624394)
34	828647	4	Screw	



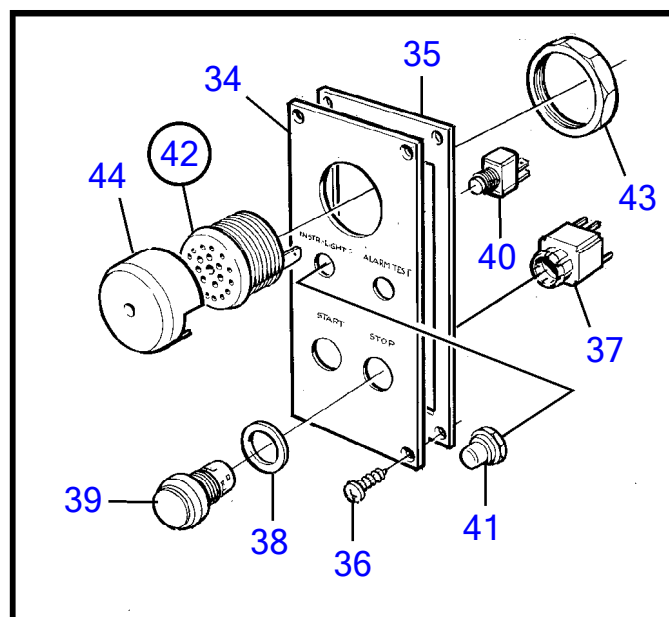
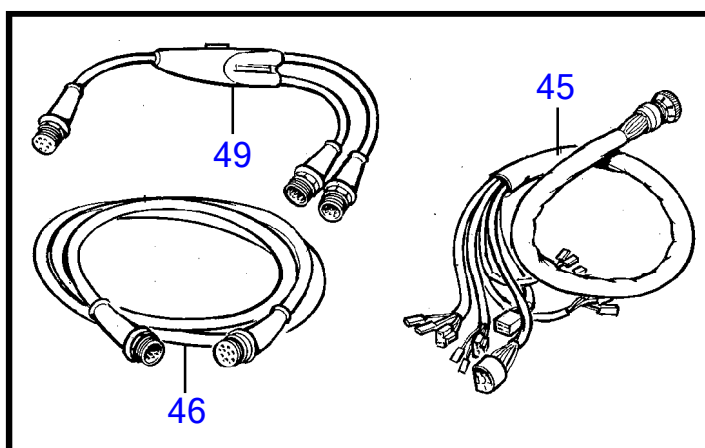
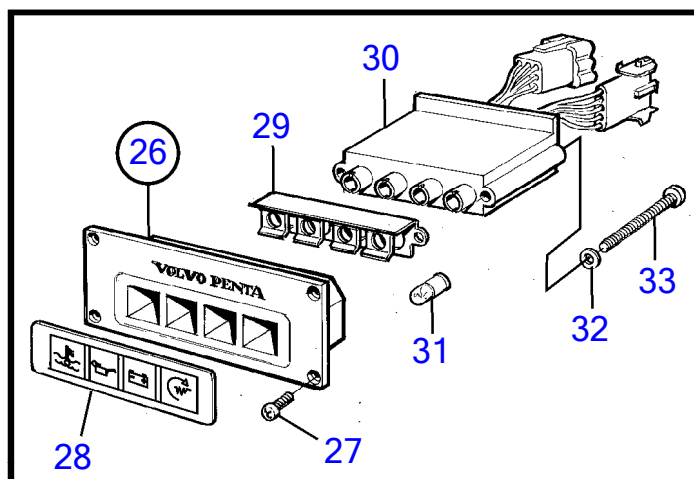
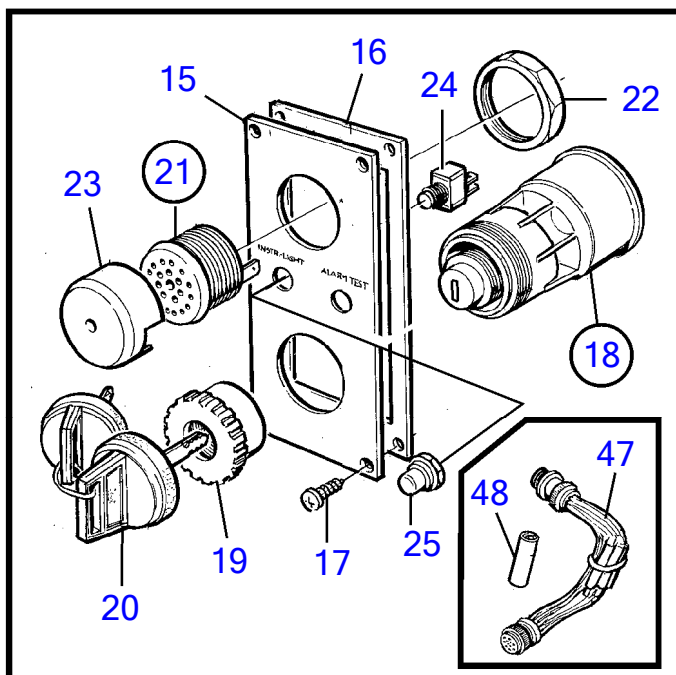
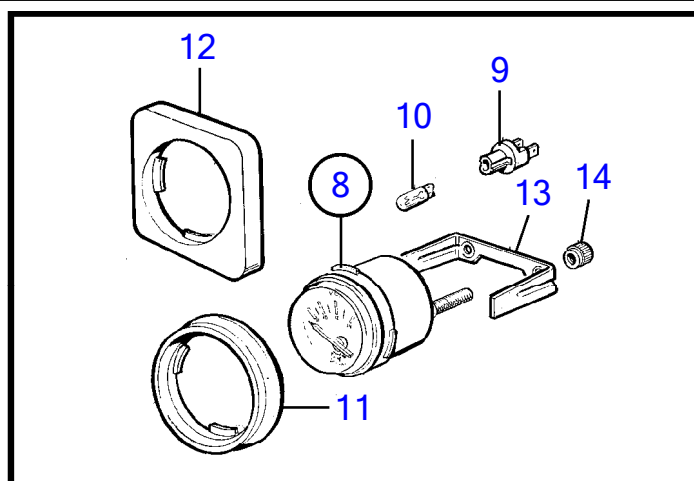
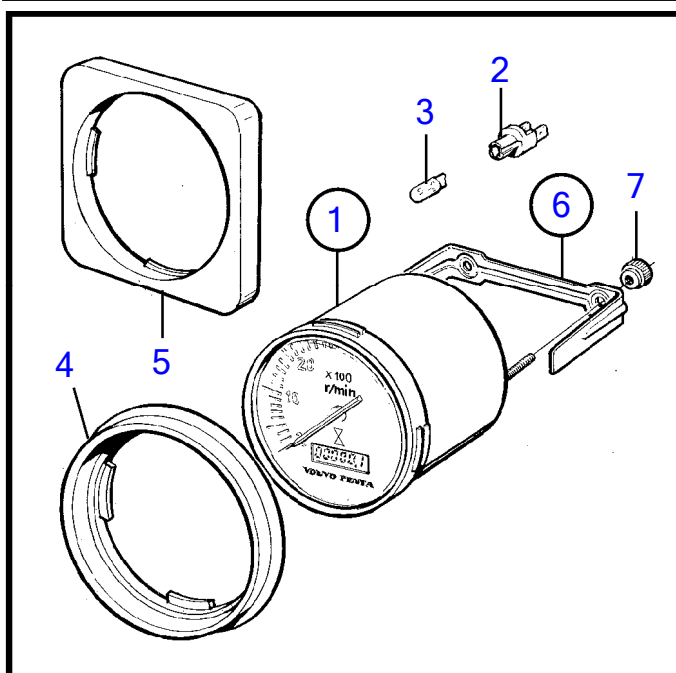
23065

30 Instrument Panel 12V

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	3587074	1	Instrument panel	(873590)
2		1	• Instrument panel	(860182)
3	858645	1	• Symbol strip	
4	828647	4	• Screw	
5	873195	1	• Thermometer	
	873197	1	• Oil pressure gauge	
	873199	1	• Voltmeter	
6	863945	3	• • Bulb socket	
7	863946	3	• • Bulb	12V, 1,2W red
8	858643	3	• Front ring	D=52mm
9	828803	3	• Guide ring	
10	3587072	1	• Starter switch	(864277)
11	859953	2	• • Key	State key code when ordering
			• Bulletin 49-30	Key P/N 859953
12	859955	1	• • Plastic nut	
13	828584	1	• Toggle switch	Test alarm
	828585	1	• Toggle switch	Instr. light
14	828586	2	• Nut	
15	828587	1	• Buzzer	
16	858795	1	• Protecting casing	
17	873737	1	• Electronic unit	
18	828784	1	• Reflector	
19	19923	4	• Bulb	12V
20	941904	2	• Spring washer	
21	(941615)	2	• Cross recessed screw	Obsolete part
22	873207	3	• Brace kit	
23		6	• • Nut	
24	873208	1	• Brace kit	
25		2	• • Nut	
26	873517	1	• Ring	D=72mm
27	941904	1	• Spring washer	
28	949947	1	• Cross recessed screw	
29	828646	1	• Cable trunk	
30	873992	1	Rev counter kit	4600 rpm
31	863946	1	• Bulb	12V, 1,2W red
32	863945	1	• Bulb socket	

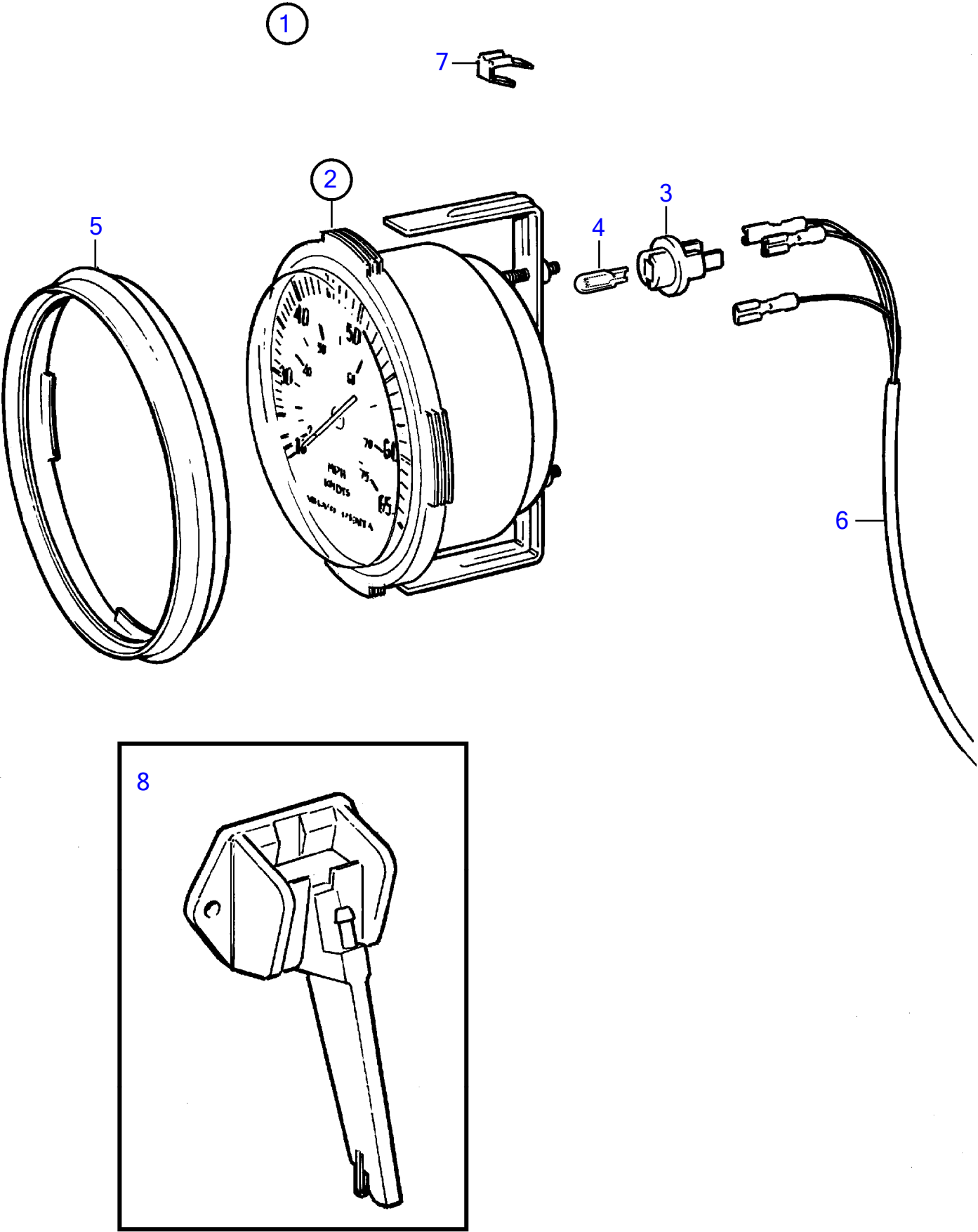
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TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L
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30 Instruments for Separate Mounting

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

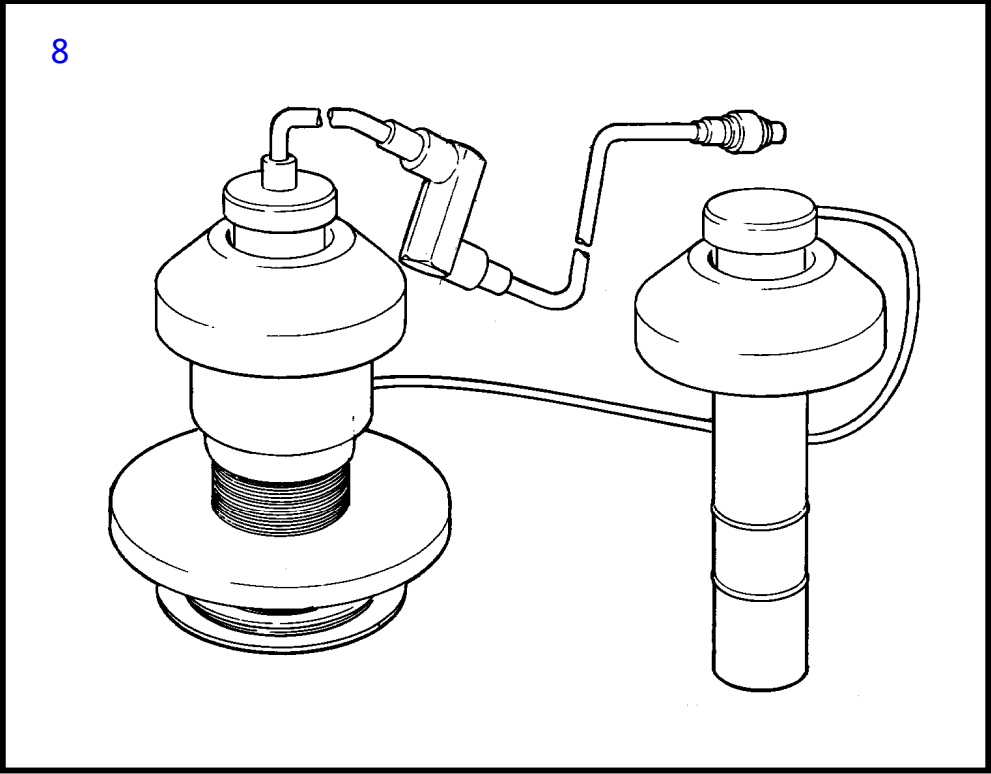
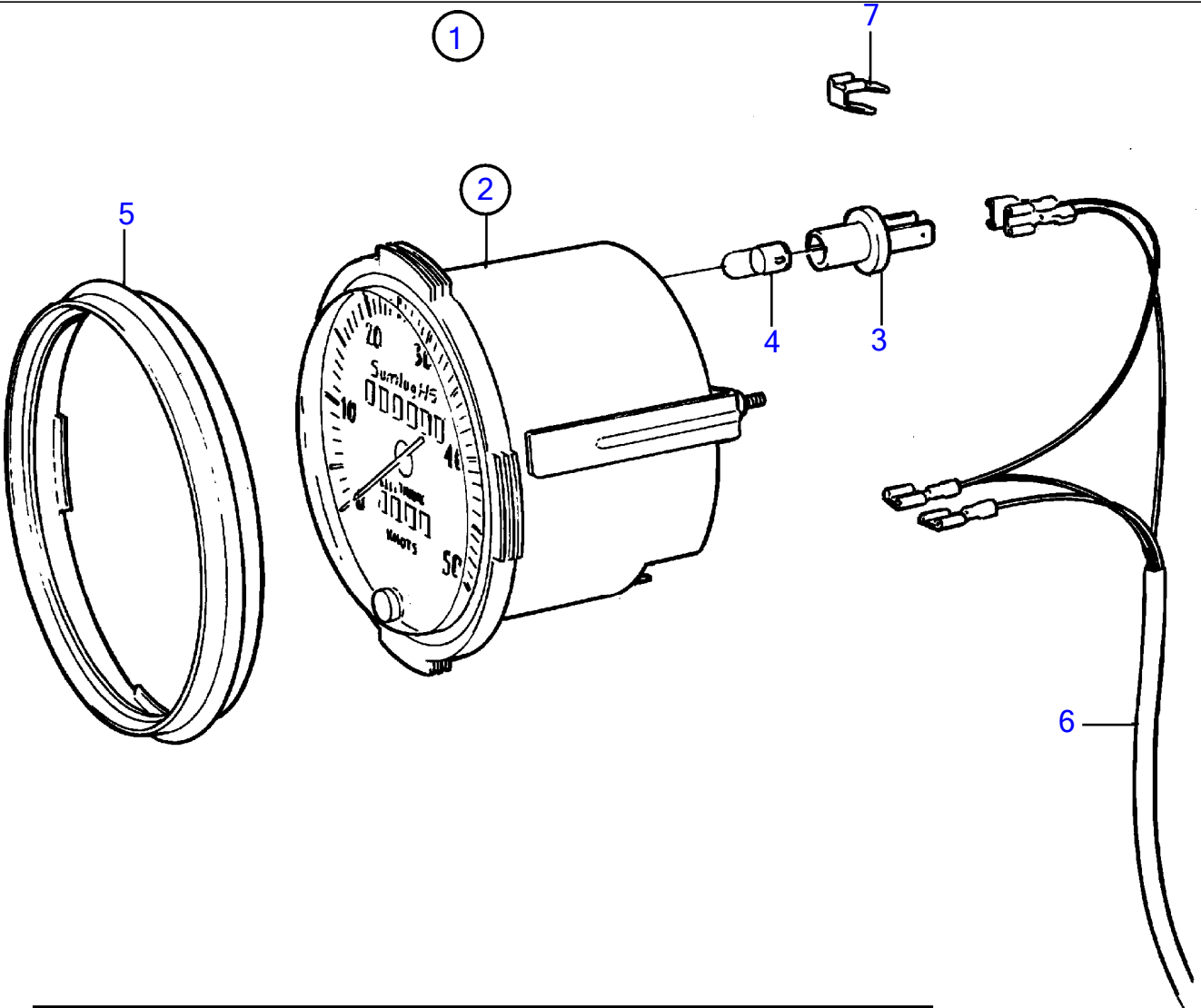
Ref	Part No.	Qty	Description	Notes
1	873992	1	Rev counter kit	4600 rpm
2	863945	1	• Bulb socket	
3	863946	1	• Bulb	12V, 1,2W red
	863947	1	• Bulb	24V, 1,2W red
4	873517	1	Ring	Alt., D=72mm
5	873210	1	Instrument frame	Alt, D=75mm
6	873208	1	Brace kit	
7		2	• Nut	
8	873195	1	Thermometer	12V, 40-120°C
	873197	1	Oil pressure gauge	10x100kPa
	873199	1	Voltmeter	12V
9	863945	1	• Bulb socket	
10	863946	1	• Bulb	12V, 1,2W red
11	858643	1	Front ring	Alt, D=52mm
12	856822	1	Instrument frame	Alt, D=52mm
13	873207	1	Brace kit	
14		2	• Nut	
15	873271	1	Panel	
16	873273	1	Gasket	
17	828647	4	Screw	
18	3587072	1	Starter switch	(864277)
19	859955	1	• Plastic nut	
20	859953	2	• Key	State key code when ordering
			• Bulletin 49-30	Key P/N 859953
21	828587	1	Buzzer	
22		1	• Nut	
23	858795	1	Protecting casing	
24	828584	1	Toggle switch	Alarm test
	828585	1	Toggle switch	Instr. light
25	828586	2	Nut	
26	858876	1	Symbol panel	858876 includes symbol plate 858645.
		1	Symbol panel	
27	828647	4	• Screw	
28	858645	1	• Symbol strip	For: coolant temperature, oil pressure, battery charging and preheater., Included in 858645
	873559	1	Symbol strip	For: oil level, coolant level, water in fuel filter and extra alarm., Not included in 858876
29	828784	1	Reflector	
30	873737	1	Electronic unit	For: coolant temperature, oil pressure, battery charging and preheater., 12/24V
	873211	1	Electronic unit	For: oil level, coolant level, water in fuel filter and extra alarm., 12/24V
31	19923	4	Bulb	12V 2W
	182059	4	Bulb	24V, 3W
32	941904	2	Spring washer	
33	(941615)	2	Cross recessed screw	Obsolete part
34	873272	1	Panel	
35	873273	1	Gasket	
36	828647	4	Screw	
37	876950	1	Push button kit	Spare part design., Start, green
	876950	1	Push button kit	Spare part design., Stop, red
38		1	• Gasket	
39		1	• Push button	
40	828584	1	Toggle switch	Alarm test
	828585	1	Toggle switch	Instr. light
41	828586	2	Nut	
42	828587	1	Buzzer	
43		1	• Nut	
44	858795	1	Protecting casing	
45	873579	1	Wiring harness	Main station
	873580	1	Wiring harness	Fly Bridge
46	846648	X	Extension cable	L=3.0m
	846649	X	Extension cable	L=5.0m
	846650	X	Extension cable	L=7.0m
47	873568	1	Diode cable	For 2-pole electrical system.
48	20382270	1	Diode	For 2-pole electrical system., (1624394)
49	1140598	X	Distributing contact	



30 Speedometer Kit, High Speed

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A,
TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

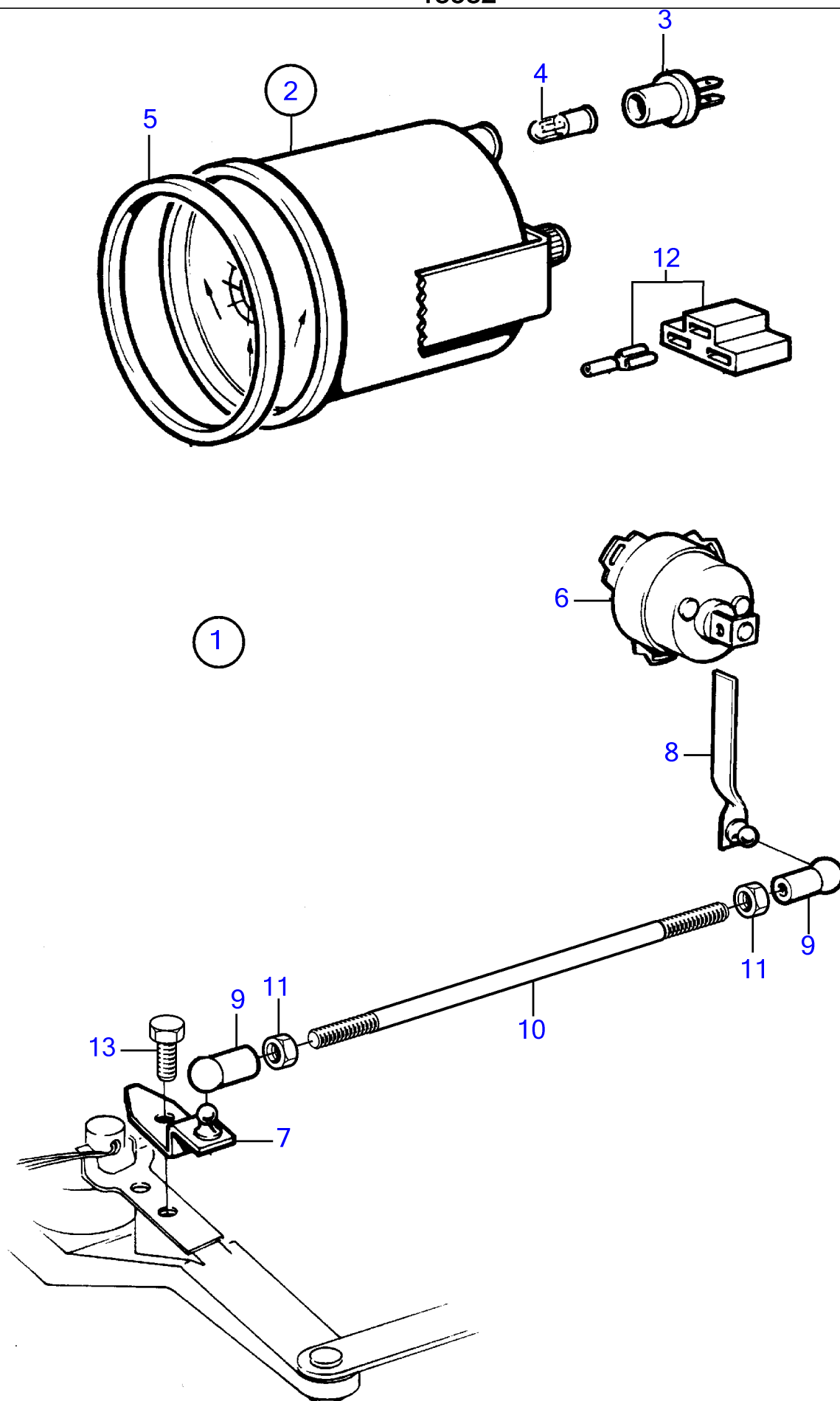
Ref	Part No.	Qty	Description	Notes
1	(1140433)	1	Pressure log kit	Obsolete part
2	856810	1	• Pressure log	
3	863945	1	• • Bulb socket	
4	863946	1	• • Bulb	
5	856805	1	• Ring	
6	856865	1	• Cable kit	
7	943950	1	• Switch	
8	(856818)	1	• Connector kit	Obsolete part



30 Electronic Speed and Distance Log Kit

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

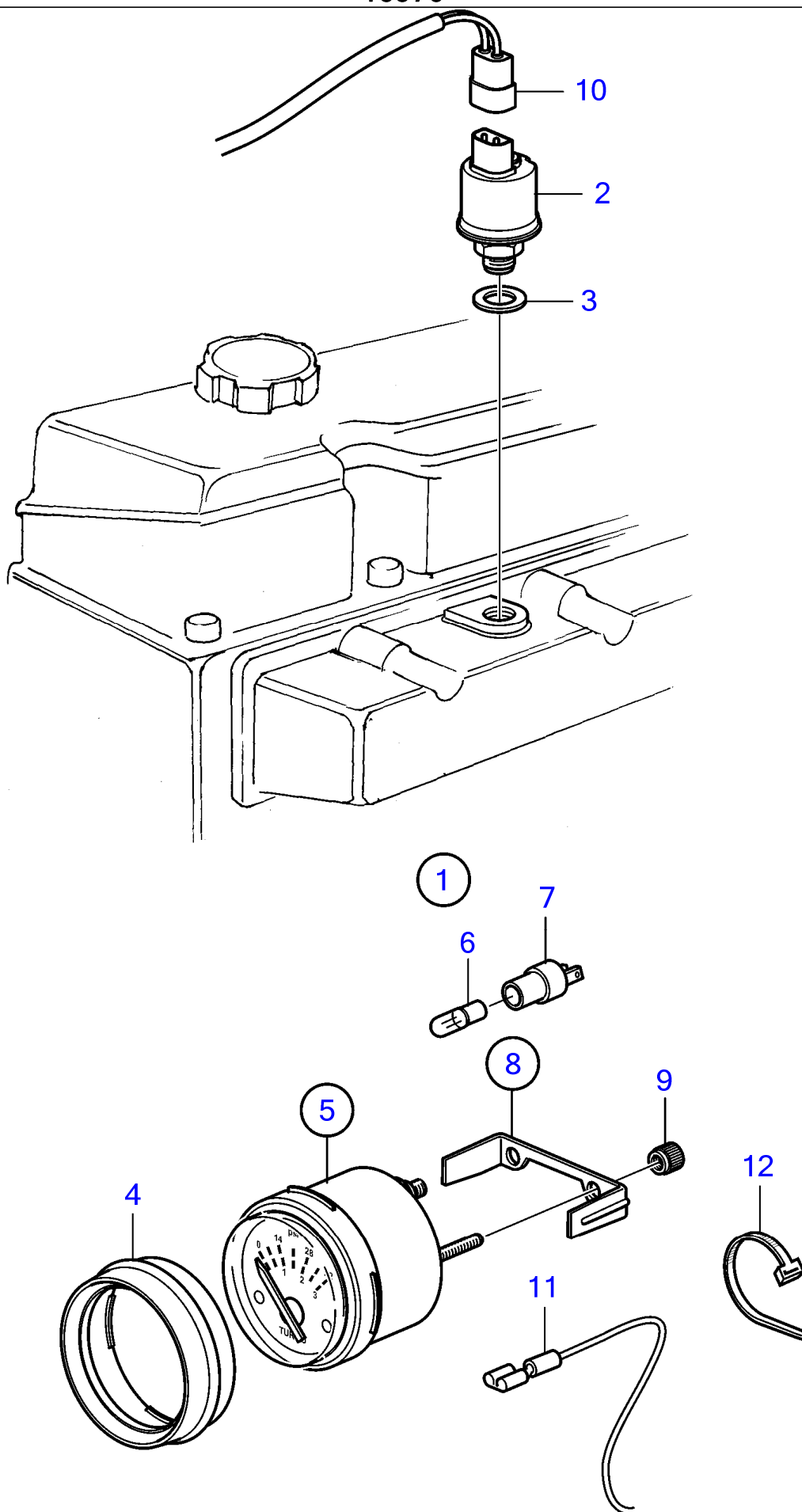
Ref	Part No.	Qty	Description	Notes
1	(1140430)	1	Electronic log kit	Obsolete part
2	(856806)	1	• Electronic log	Obsolete part
3	808175	1	• • Bulb socket	
4	19923	1	• • Bulb	
5	856805	1	• Ring	
6	(856862)	1	• Cable kit	Obsolete part
7	943950	1	• Switch	
8	(856817)	1	• Connector kit	Obsolete part



30 Rudder Indicator Kit, 290 Drive

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

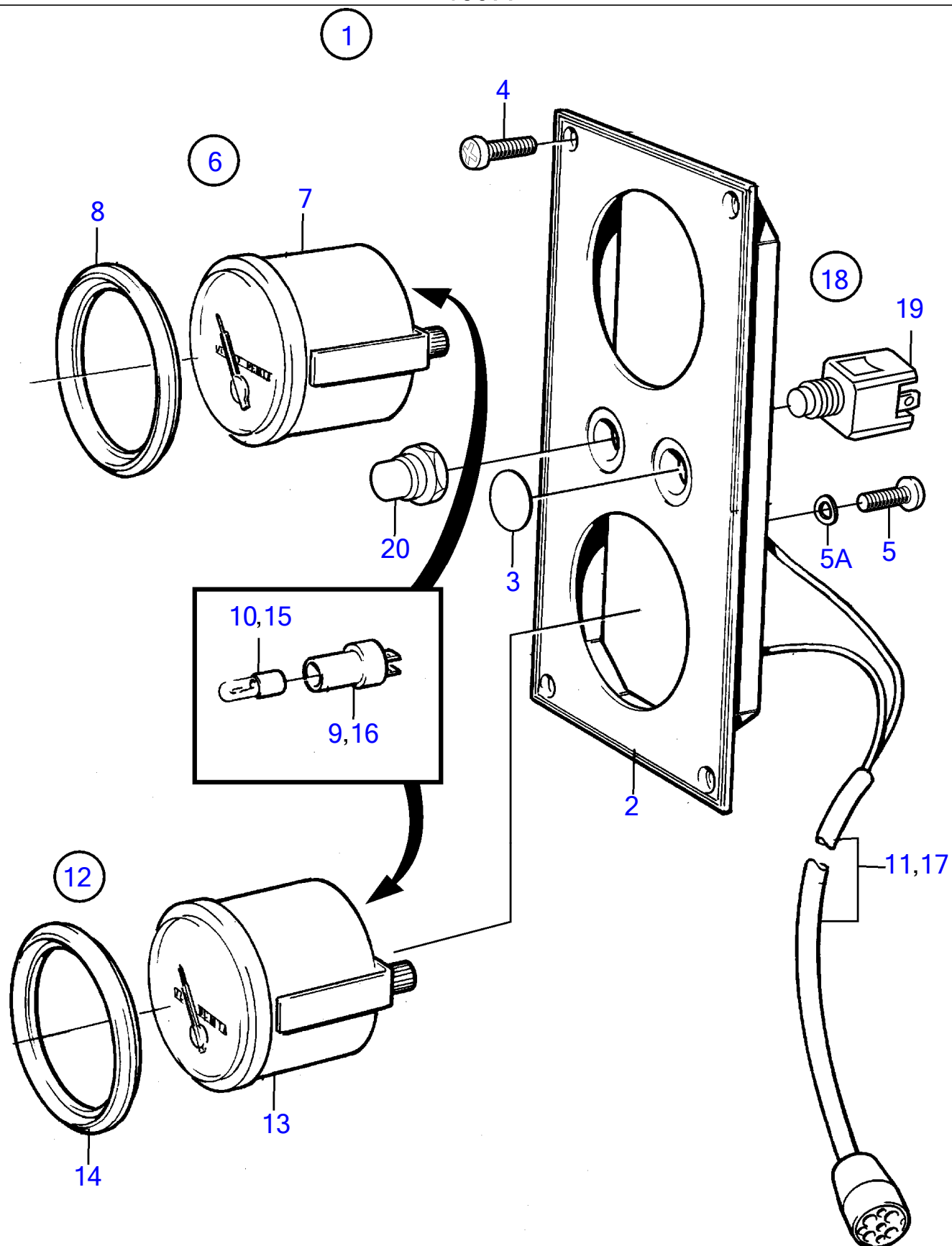
Ref	Part No.	Qty	Description	Notes
1	1140463	1	Rudder indicator kit	
2	863944	1	• Rudder indicator	
3	863945	1	• • Bulb socket	
4	863946	1	• • Bulb	12V, 1,2W red
5	858643	1	• Front ring	
6	837772	1	• Position sensor	
7	853176	1	• Bracket	
8	853177	1	• Intermediate lever	
9	946704	1	• Ball socket	Left hand threads
	946703	1	• Ball socket	Right hand threads
10	943549	1	• Control rod	
11	942836	1	• Hexagon nut	Left hand threads
	955780	1	• Hexagon nut	Right hand threads
12		X	• electrical materials	
13	940199	1	Hexagon screw	



30 Air Pressure Gauge

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

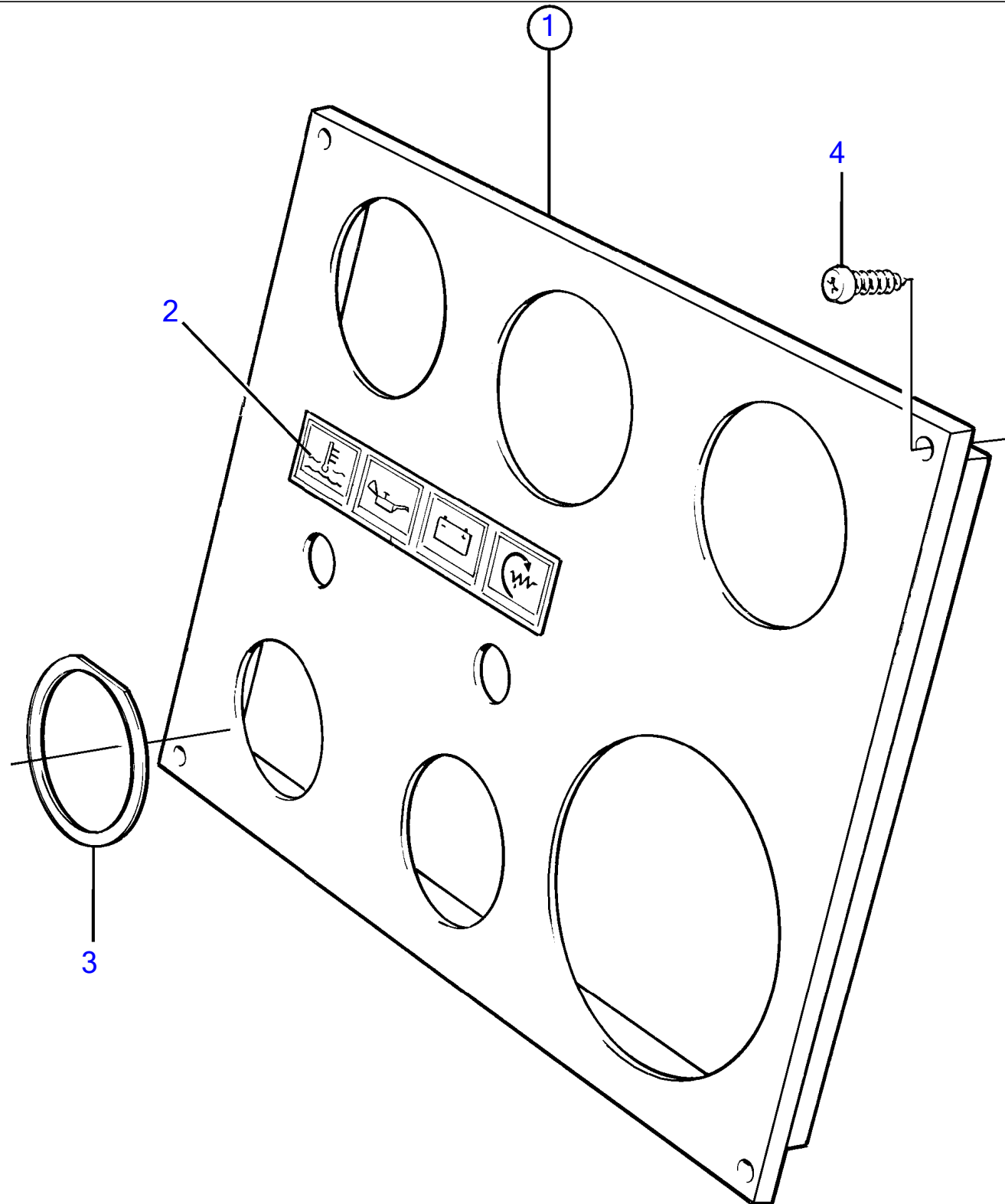
Ref	Part No.	Qty	Description	Notes
1	(873855)	1	Turbo pressure gauge	Obsolete part
2	866837	1	• Sensor, turbo	0-3bar
3	957181	1	• Gasket	
4	858643	1	• Front ring	
5	873205	1	• Turbo pressure gauge	
6	863946	1	• • Bulb	
7	863945	1	• • Bulb socket	
8	873207	1	• Brace kit	
9		2	• • Nut	
10	873882	1	• Cable kit	
11		X	• cables and terminals	
12	948211	5	• Cable tie	



30 Extra Instrument Panel, Hour Meter and Volt Meter

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

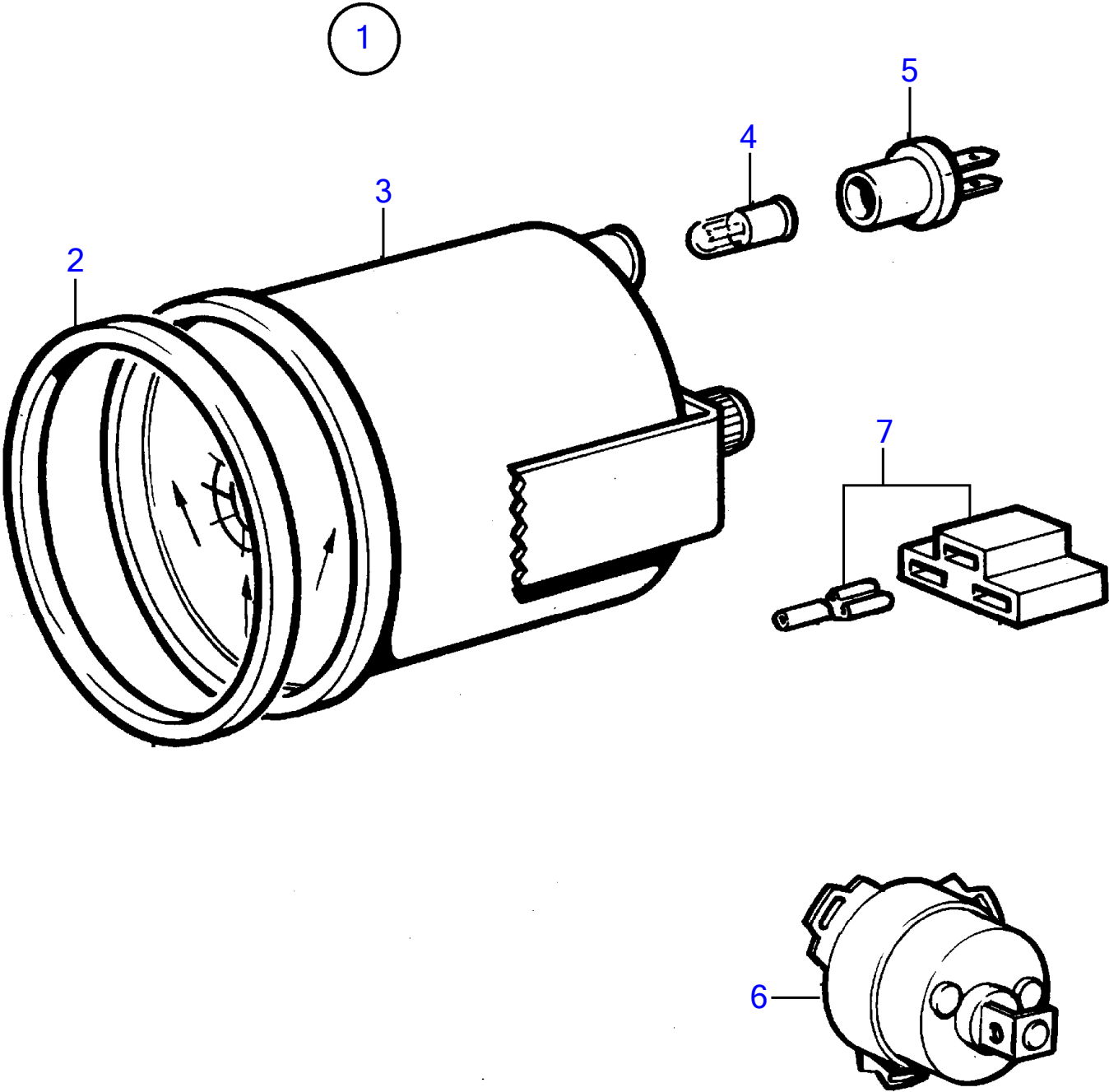
Ref	Part No.	Qty	Description	Notes
1	(858874)	1	Instrument panel	For instruments with D=52mm., Obsolete part
2		1	• Instrument panel	
3	828607	2	• Cover plate	
4	828647	4	• Screw	
5	949947	1	• Cross recessed screw	
5A	941904	1	• Spring washer	
6	(1140464)	1	Hour recorder	Obsolete part
7	872479	1	• Hour recorder	
8	858643	1	• Front ring	
9	808175	1	• Bulb socket	
10	19923	1	• Bulb	
11		X	• electrical materials	
12	(858878)	1	Voltmeter kit	Obsolete part
13	873199	1	• Voltmeter	
14	858643	1	• Front ring	
15	19923	1	• Bulb	
16	808175	1	• Bulb socket	
17		X	• electrical materials	
18	(828718)	1	Toggle switch	Spring loaded., Obsolete part
	(828719)	1	Toggle switch	On/Off, Obsolete part
19	828584	1	• Toggle switch	For 828718
	828585	1	• Toggle switch	For 828719
20	828586	1	• Nut	



30 Instr. Panel for Twin Engine Install. Mirror-Invert

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A,
TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

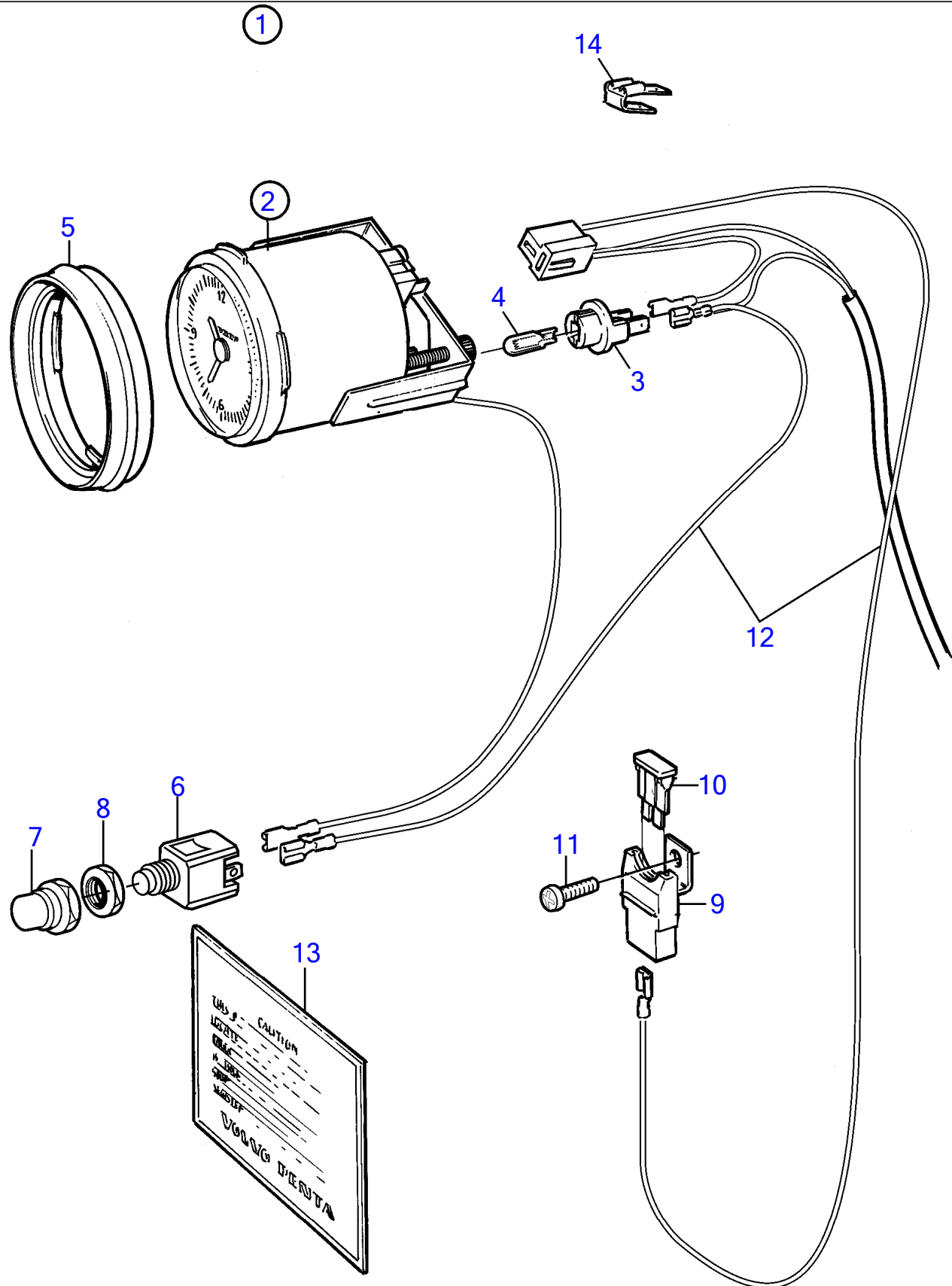
Ref	Part No.	Qty	Description
1	860184	1	Instrument panel
2	858645	1	• Symbol strip
3		1	• Marking label, starter switch
4	828647	4	Screw



30 Rudder Indicator Kit for Reverse Gear

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

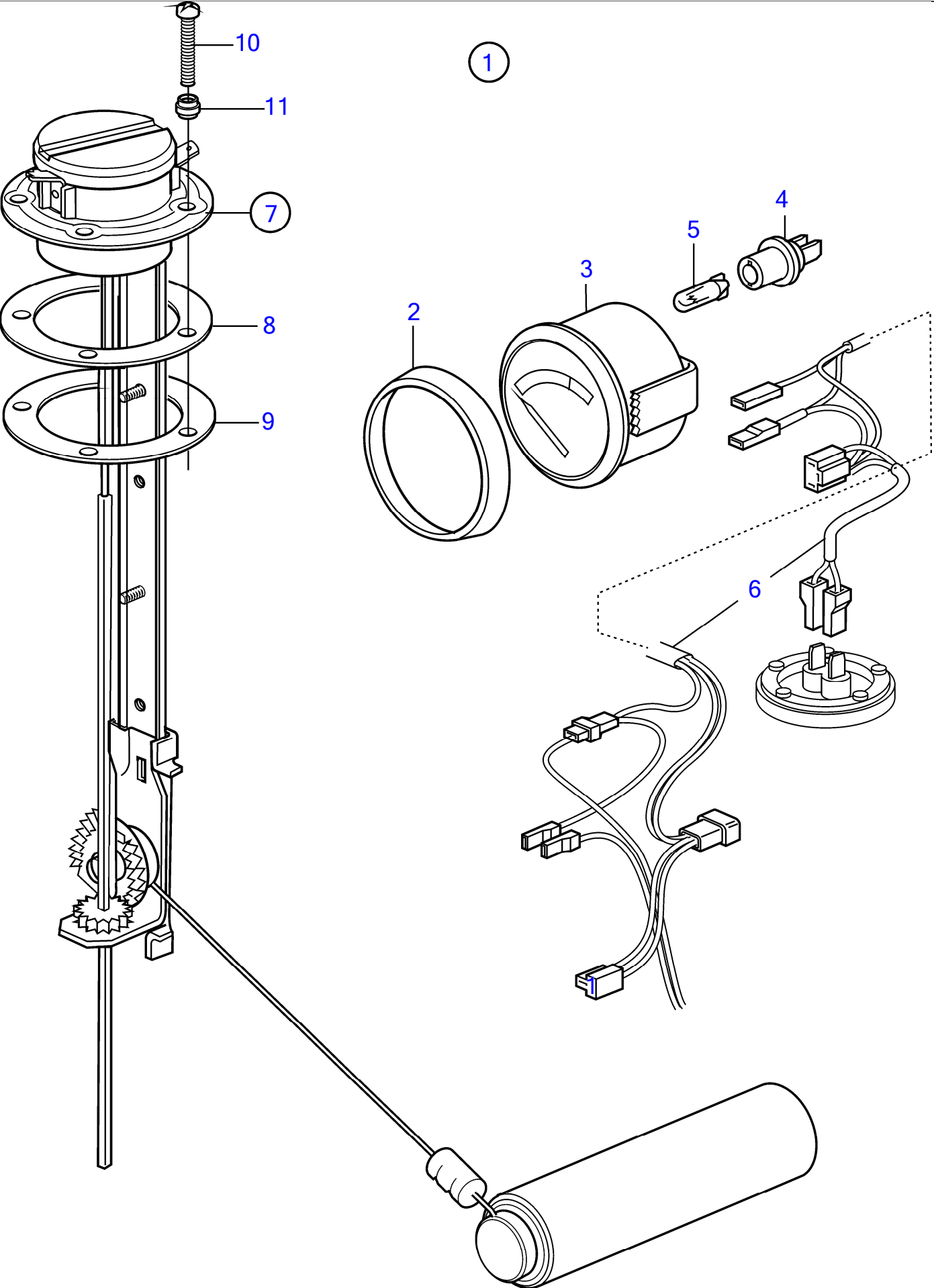
Ref	Part No.	Qty	Description	Notes
1	1140465	1	Rudder indicator kit	
2	858643	1	• Front ring	
3	863944	1	• Rudder indicator	
4	863946	1	• • Bulb	
5	863945	1	• • Bulb socket	
6	837772	1	• Position sensor	
7		X	• electrical materials	For instrument 828698 should white bulb 19923 and socket 808175 be mounted.



30 Clock Kit

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

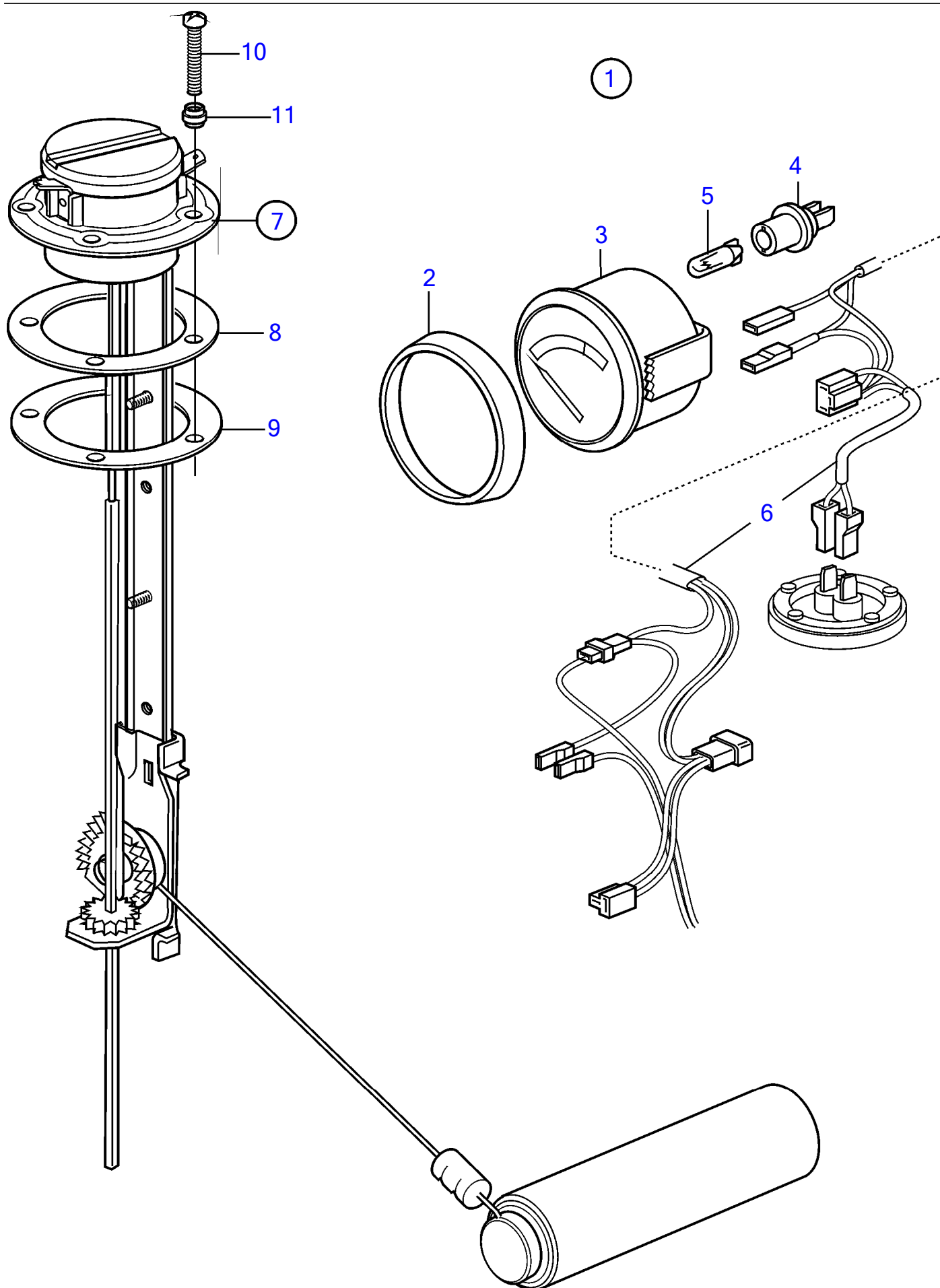
Ref	Part No.	Qty	Description	Notes
1	(1140597)	1	Clock kit	Obsolete part
2	(856814)	1	• Clock	Obsolete part
3	863945	1	• • Bulb socket	
4	863946	1	• • Bulb	
5	858643	1	• Front ring	
6	828584	1	• Toggle switch	
7	828586	1	• Nut	
8	872407	1	• Hexagon nut	
9	1323312	1	• Insulator	
10	981405	1	• Fuse	3A (969115)
11	972070	1	• 6 point socket screw	
12	872492	1	• Cable kit	
13	841242	1	• Label	
14	943950	1	• Switch	



30 Tank Meter Kit for Fuel

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAM31L-A, TAM31M-A, TAM31P-A, TAM31S-A, TAM41H-A, TAM41H-B, TAM41P-A, TAM41L-A, TAM41M-A, TMD31L-A, TMD41L-A, TAM31S, TAM31L, TAM31P, TAM41P

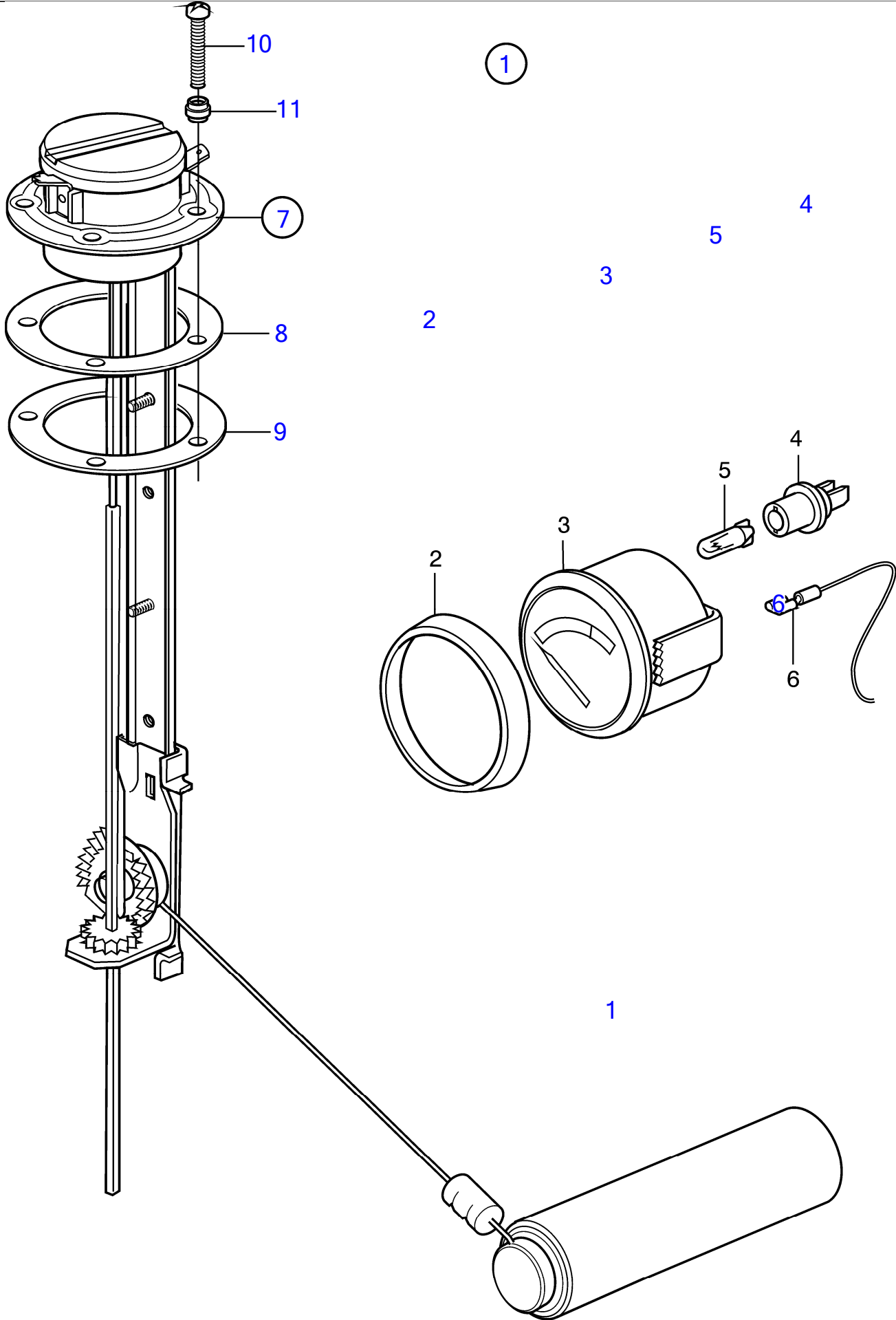
Ref	Part No.	Qty	Description	Notes
1	873808	1	Fuel gauge	(858879)
2	858643	1	• Front ring	
3	863940	1	• Fuel gauge	
	873207	1	• • Brace kit	
		2	• • • Nut	not sold separately
		2	• • Spacer	not sold separately
4	863945	1	• • Bulb socket	Use white bulb 19923 and socket 808175 for earlier gauges.
5	863946	1	• • Bulb	Use white bulb 19923 and socket 808175 for earlier gauges., 12V, 1,2W red
6	856867	1	• Cable kit	
7	873772	1	• Tank sensor	(837999)
8	89865	1	• • Gasket	
9	834480	1	• • Flange	
10	969407	4	• • 6 point socket screw	(956078)
	969409	1	• • 6 point socket screw	
11	834481	5	• • Gasket	



30 Tank Meter Kit for Fuel

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

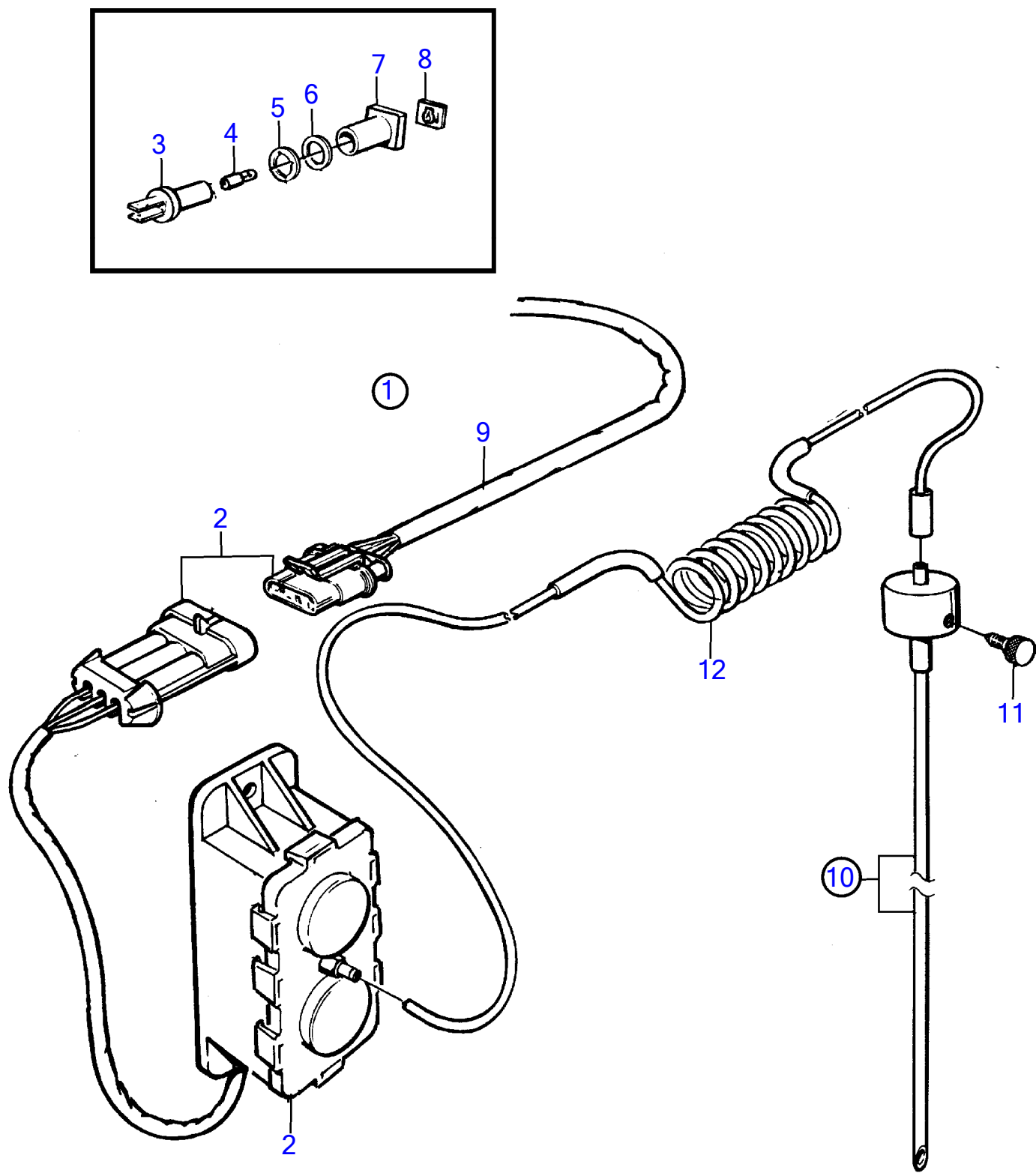
Ref	Part No.	Qty	Description	Notes
1	873808	1	Fuel gauge	12V (858879)
2	858643	1	• Front ring	
3	863940	1	• Fuel gauge	
4	863945	1	• • Bulb socket	Use white bulb 19923 and socket 808175 for earlier gauges.
5	863946	1	• • Bulb	Use white bulb 19923 and socket 808175 for earlier gauges., 12V, 1,2W red
6	856867	1	• Cable kit	
7	873772	1	• Tank sensor	(837999)
8	89865	1	• • Gasket	
9	834480	1	• • Flange	
10	969407	4	• • 6 point socket screw	(956078)
	969409	1	• • 6 point socket screw	
11	834481	5	• • Gasket	



30 Tank Meter Kit for Fresh Water

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

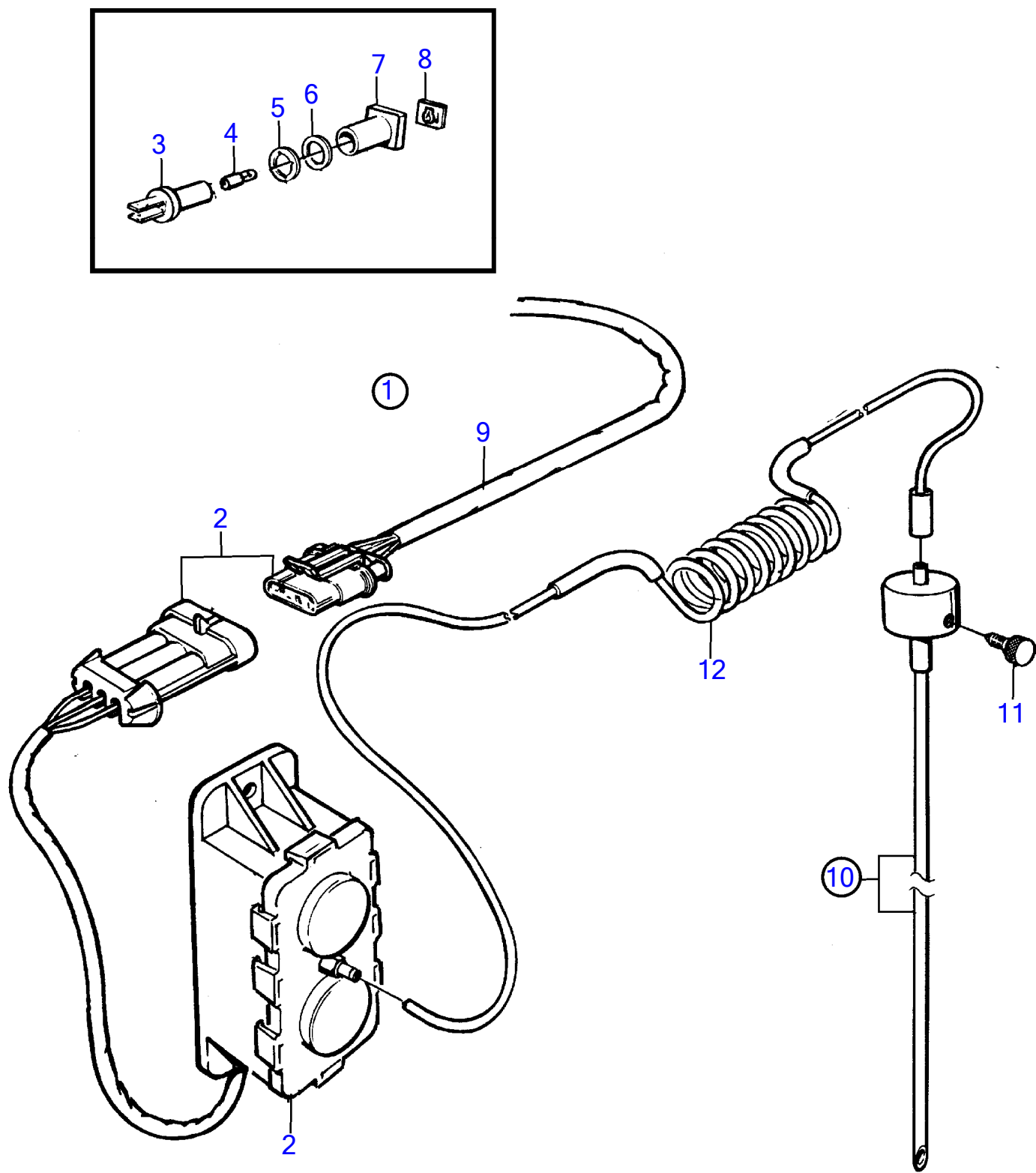
Ref	Part No.	Qty	Description	Notes
1	(1140462)	1	Water level gauge ki	(858881), Obsolete part
2	858643	1	• Front ring	
3	(863942)	1	• Water level gauge	Obsolete part
4	863945	1	• • Bulb socket	Use white bulb 19923 and socket 808175 for earlier gauges.
5	863946	1	• • Bulb	Use white bulb 19923 and socket 808175 for earlier gauges.
6		X	• Wiring harness	
7	834389	1	• Tank sensor	
8	89865	1	• • Gasket	
9	834480	1	• • Flange	
10	969407	4	• • 6 point socket screw	(956078)
	969409	1	• • 6 point socket screw	
11	834481	5	• • Gasket	



30 Oil Level Guard, 12V

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

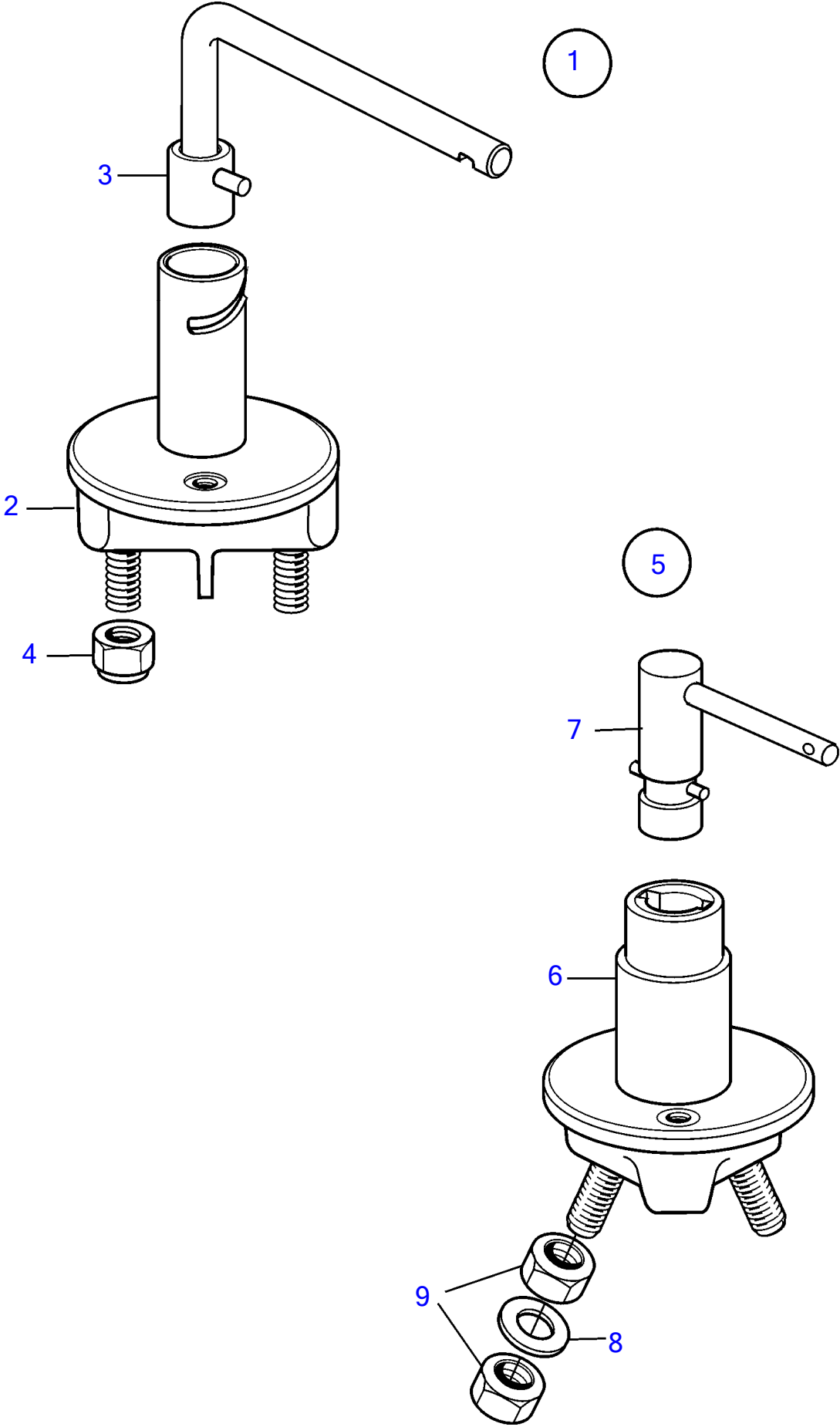
Ref	Part No.	Qty	Description	Notes
1	(866854)	1	Oil level sensor	12V, Obsolete part
2	(866831)	1	• Electronic unit	Obsolete part
3	808175	1	• Bulb socket	
4	19923	1	• Bulb	12V
5	967583	1	• Retainer	
6	829714	1	• Sealing ring	
7	838455	1	• Retainer	
8	866853	1	• Symbol strip	
9		X	cables and terminals	
10	(866841)	1	Dipstick	Obsolete part
11		1	• Screw	
12		1	• Hose	



30 Oil Level Guard, 24V

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

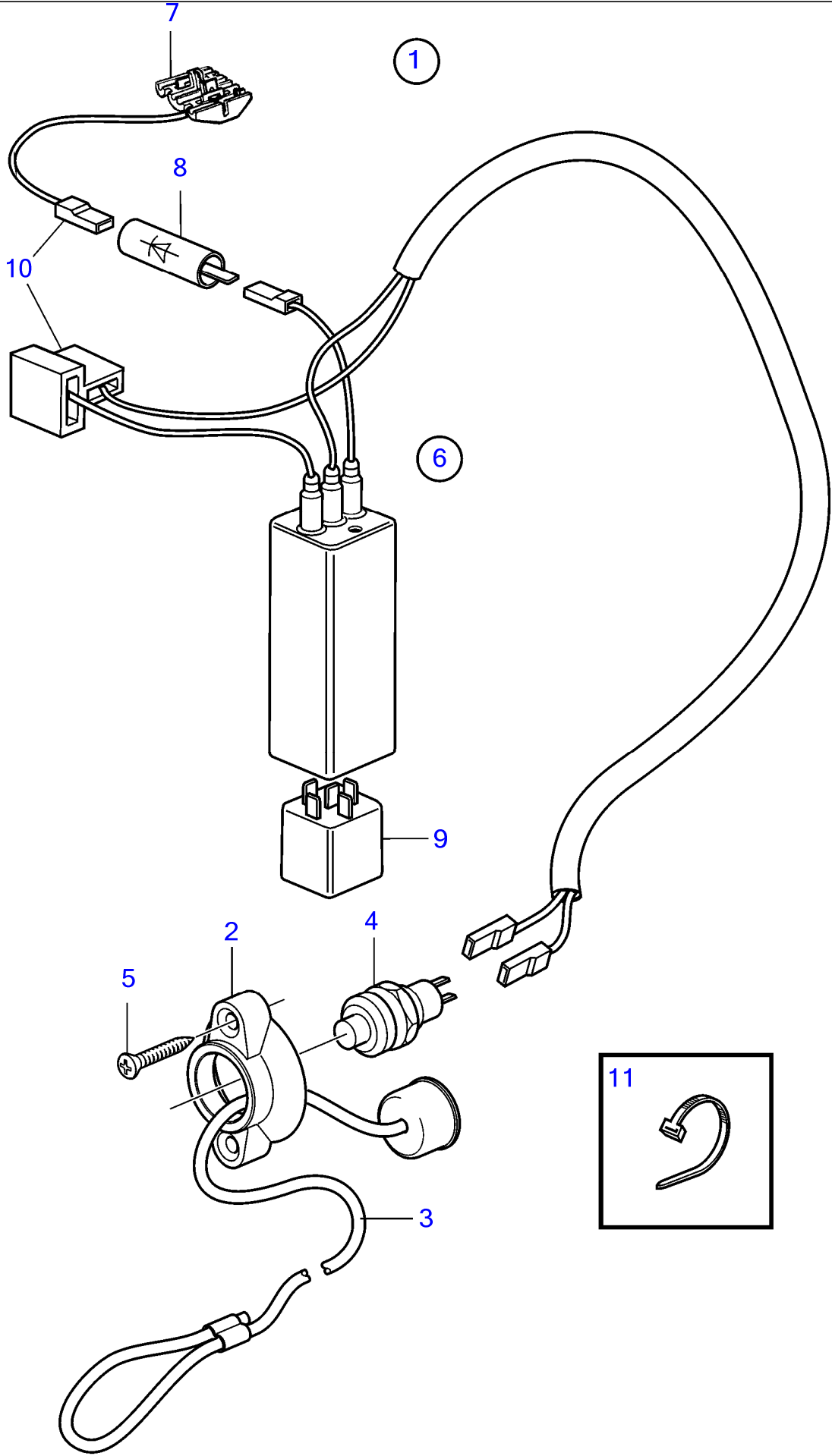
Ref	Part No.	Qty	Description	Notes
1	(866855)	1	Oil level sensor	24V, Obsolete part
2	(866832)	1	• Electronic unit	Obsolete part
3	808175	1	• Bulb socket	
4	182059	1	• Bulb	24V
5	967583	1	• Retainer	
6	829714	1	• Sealing ring	
7	838455	1	• Retainer	
8	866853	1	• Symbol strip	
9		X	cables and terminals	
10	(866841)	1	Dipstick	Obsolete part
11		1	• Screw	
12		1	• Hose	



30 Main Battery Switch

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

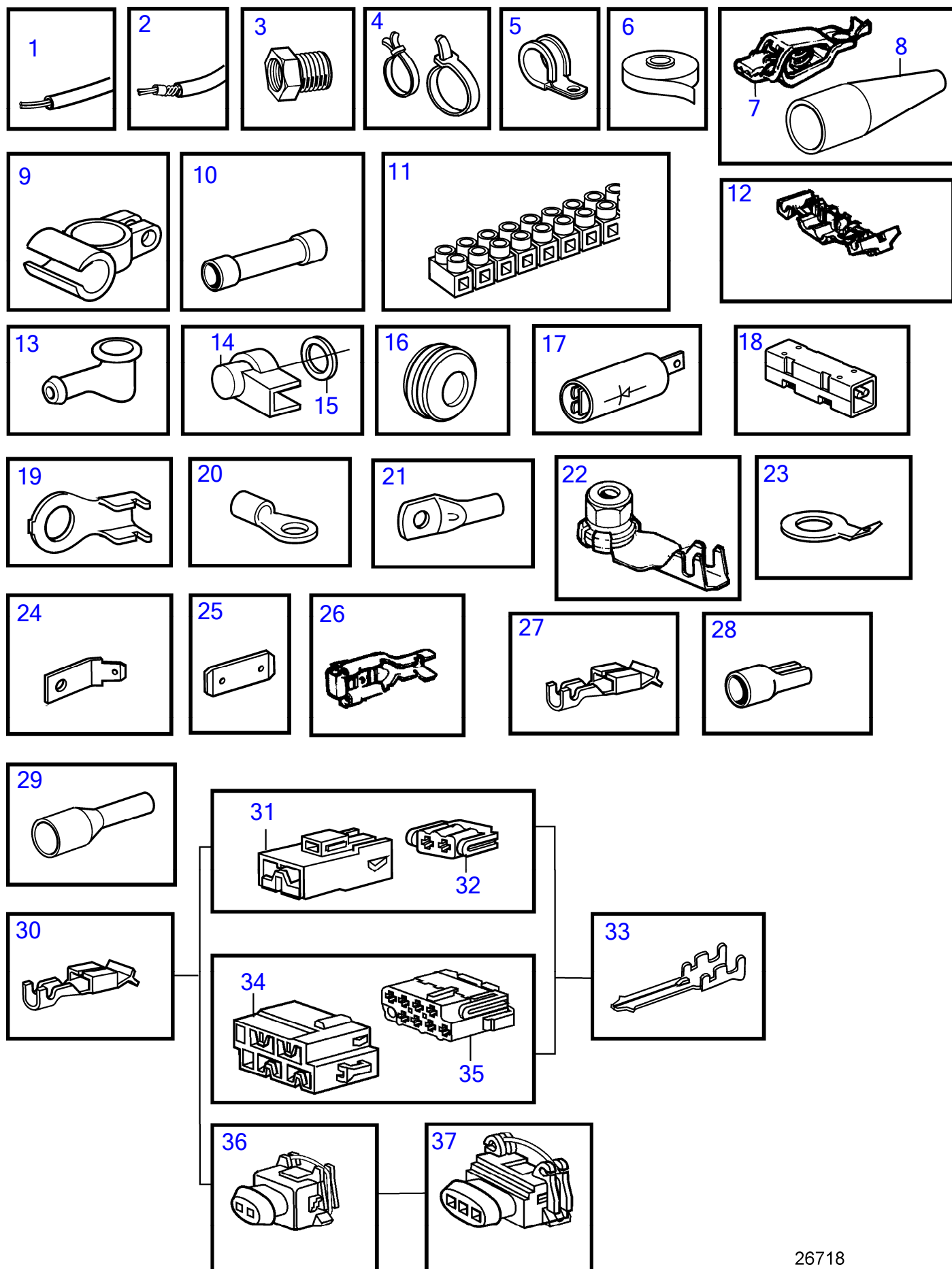
Ref	Part No.	Qty	Description	Notes
1	870980	1	Main switch	Replaced by 1140319
2		1	• Switch	
3	243700	1	• Handle	Replaced by 1140319
4	971071	2	• Hexagon nut	
5	1140319	1	Battery main switch	
6		1	• Switch	
7	1140427	1	• Cock handle	
8	1140428	2	• Washer	
9	17602	4	• Hexagon nut	



30 Emergency Stop Contact

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	873977	1	Safety contact	
2	839342	1	• Anchorage	
3	839421	1	• Fuse	
4	843684	1	• Button	
5	944540	2	• Screw	
6	873968	1	• Cable kit	
7	944306	1	• • Connector	
8	20382270	1	• • Diode	(1624394)
9	873765	1	• • Relay	
10		X	• • electrical materials	
11	948211	5	• Cable tie	



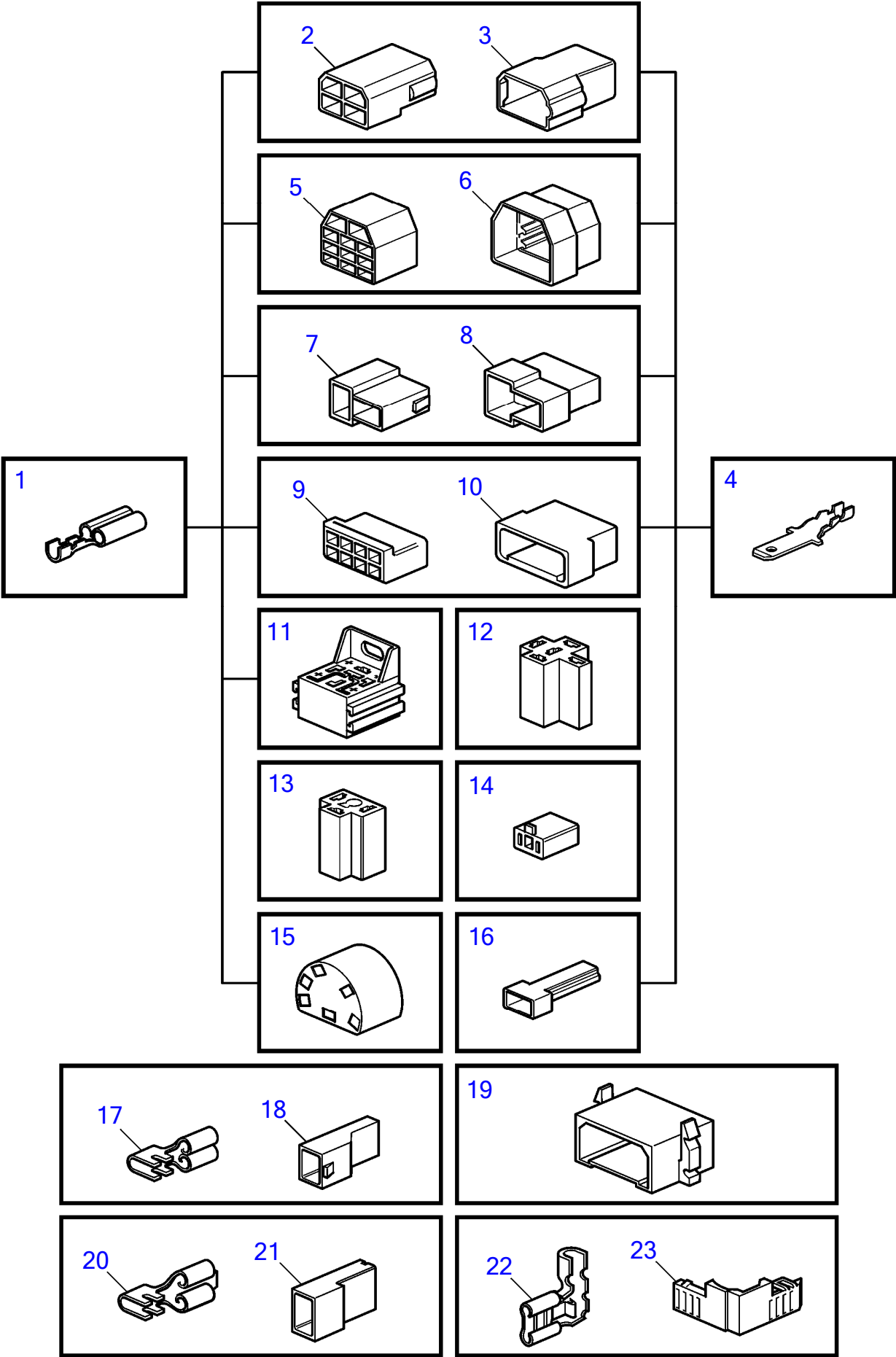
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Ref	Part No.	Qty	Description	Notes
1	970624	1	Electric cable, type RK	1,5mm ² , black
	970626	1	Electric cable, type RK	1,5mm ² , red
	970661	1	Electric cable, type R2	1,5mm ² , red
	(970663)	1	Electric cable, type R2	Obsolete part, 2,5mm ² , black
	970698	1	Electric cable, type R2	2,5mm ² , red
	970700	1	Electric cable, type RK	4,0mm ² , black
	(970709)	1	Electric cable, type RK	Obsolete part, 6,0mm ² , black
	970711	1	Electric cable, type R2	6,0mm ² , red
	954485	1	Electric cable, type RK	16,0mm ² , red
	(954500)	1	Electric cable, type RK	Obsolete part, 25,0mm ² , red
	954502	1	Electric cable, type RK	35,0mm ² , red
2	874854	1	Power cable	Non reinforced ship cable approved by classification societies., 2x1,5mm ²
	(863657)	1	Cable	Obsolete part, Reinforced ship cable approved by classification societies., 4,0mm ²
	874855	1	Power cable	Non reinforced ship cable approved by classification societies., 2x2,5mm ²
	(842092)	1	Cable	Obsolete part, Non reinforced ship cable approved by classification societies., 3x
	(874858)	1	Power cable	Obsolete part, Non reinforced ship cable approved by classification societies., 6,0
	(842090)	1	Cable	Obsolete part, Non reinforced ship cable approved by classification societies., 16,
	(874861)	1	Power cable	Obsolete part, Non reinforced ship cable approved by classification societies., 25,
	(874862)	1	Power cable	Obsolete part, Non reinforced ship cable approved by classification societies., 35,
	846639	1	Electric cable	Non reinforced ship cable approved by classification societies., 2x1,5mm ²
	874870	1	Power cable	Non reinforced ship cable approved by classification societies., 2x1,5mm ²
	846346	1	Cable	Replaced by wiring harness 872679 and adapter 872939
	(874346)	1	Electric cable	Obsolete part, Reinforced ship cable approved by classification societies., RFOU
	872679	1	Wiring harness	(846346)
3	872939	1	Adapter	(846346)
4	948211	1	Cable tie	3x1,5mm ²
	949666	1	Cable tie, with mount. Hole	3x4,0mm ²
	948616	1	Cable tie	3x6,0mm ²
	980464	1	Cable tie	Obsolete part
	862832	1	Cable tie, steel	4x1,5mm ²
	980881	1	Cable tie	
5	947827	1	Clamp	25,4mm
6	858283	1	Tape	4x2,5mm ²
7	844280	1	Clip, battery cable +pole	16x1,5mm ²
8	(844278)	1	Isolation	Obsolete part, Red
	(844279)	1	Isolation	Obsolete part, Black
9	954505	1		D=77mm L=280mm
	954506	1		D=42mm L=170mm
10	956956	1	Splice	D=102mm L=362mm
	956958	1	Splice	1,5-2,5mm ² , blue
	956960	1	Splice	L=61mm
11	(926219)	1	Coupling piece	Obsolete part, Black
12	944306	1	Connector	Blue
13	829200	1	Protective cap	0,5-1,0mm ² , red
14	(1234326)	1	Protecting casing	Obsolete part, 1,5-2,5mm ² , blue
15	960140	1	Washer	3-6mm ² , yellow
16	941269	1	Plug	Max 20mm ² , 12-pole
	821053	1	Protecting bushing	I.D=35mm
	943920	1	Plug	I.D=40mm
17	20382270	1	Diode	
18	20382270	1	Diode	
19	970788	1		M5x1,1-2,5mm ²
	970789	1		M6x1,1-2,5mm ²
	(970791)	1		Obsolete part, M10x1,1-2,5mm ²
20	881492	1		M4x1,1-2,5mm ²
	881493	1		M5x1,1-2,5mm ²
	881508	1		M6x1,1-2,5mm ²
	881494	1		M8x1,1-2,5mm ²
	881504	1		M10x1,1-2,5mm ²
	881506	1		M4x2,6-6,0mm ²
	881495	1		M5x2,6-6,0mm ²
	881496	1		M6x2,6-6,0mm ²
	(881497)	1		Obsolete part, M8x2,6-6,0mm ²
	881498	1		M10x2,6-6,0mm ²
	940331	1		M5x6,1-10,0mm ²
	(940332)	1		Obsolete part, M6x6,1-10,0mm ²
	940333	1		M8x6,1-10,0mm ²
	(940334)	1		Obsolete part, M10x6,1-10,0mm ²

30 Electrical Materials

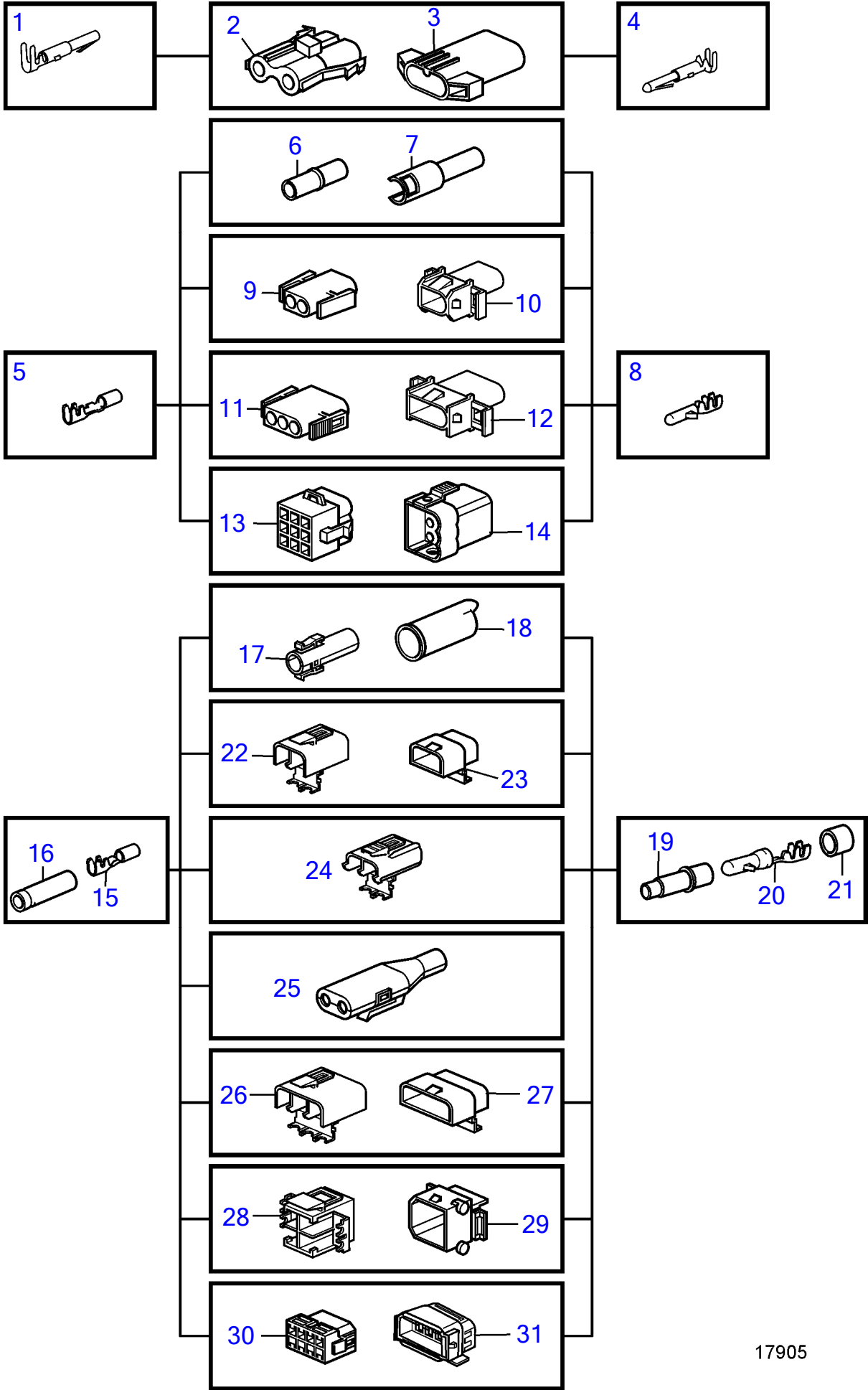
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Ref	Part No.	Qty	Description	Notes
	881512	1		M5x10,1-16,0mm ²
	940335	1		M6x10,1-16,0mm ²
	940336	1		M8x10,1-16,0mm ²
	940337	1		M10x10,1-16,0mm ²
21	949587	1	Cable terminal	M10x10mm ²
22	8140576	1	Nut	M4
23	865758	1	Cable terminal	I.D=12,5 D=23mm
24	944485	1		6,3xM5x180
25	839328	1	Spade terminal	16,3x6,3x0,8
26	881491	1		6,3x0,75-2,1mm ²
27	853015	1	Cable terminal	For trim instrument., For 853866, Yasaki
28	942429	1		For 853866, Yasaki
29	3829867	1	Cable terminal	
	3829868	1	Cable terminal	
30	970777	1		
31	968377	1	Housing	2,8x2 natural
	968379	1	Housing	2,8x2 gray
32	968376	1	Housing	4,8/2,8x2 natural
	968378	1	Housing	4,8/2,8x2 gray
33	974313	1		2,8x0,8x1,1-2,5mm ²
34	968401	1	Housing	2,8x8 natural
35	968400	1	Housing	4,8/2,8x8 natural
36	976256	1	Housing	2-pole
37	967713	1	Housing	3-pole



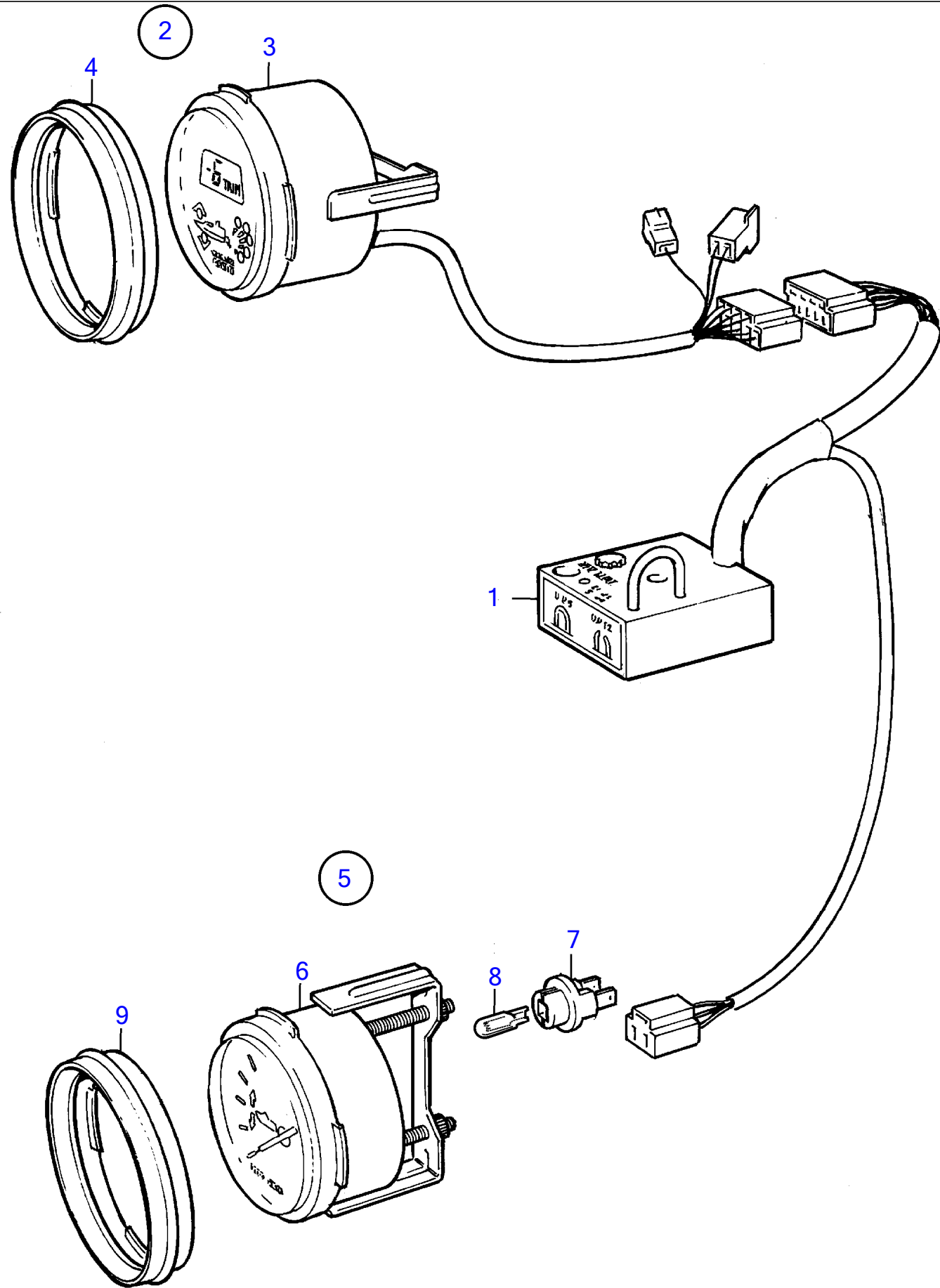
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Ref	Part No.	Qty	Description	Notes
1	973150	1		6,3x0,8x1,1-2,5mm ²
	949206	1	Cable terminal	6,3x0,8x4,0-6,0mm ²
2	948856	1	Housing	6,3x4 natural
3	948855	1	Housing	6,3x4 natural
4	973117	1		6,3x0,8x0,5-1,0mm ²
	881487	1		6,3x0,8x0,75-2,5mm ²
	881488	1		6,3x0,8x4,0-6,0mm ²
5	945830	1	Housing	6,3x11 natural
6	945831	1	Tab housing	6,3x11 natural
7	958210	1	Housing	6,3x2 black
8	958209	1	Housing	6,3x2 black
9	944076	1	Housing	6,3x8 natural
10	948857	1	Housing	6,3x8 natural
11	977184	1	Housing	6,3x5x4,8/2,8x4
12	1214948	1	Housing	6,3x5 black
13	945469	1	Housing	6,3x3 black
14	1578937	1	Housing	6,3x2 natural
15	828624	1	Receptacle housing	6,3x6
16		1	Housing	6,3x1 black
17	949405	1		4,8x1,1-2,5mm ²
18	947848	1	Housing	4,8x1 natural
19	944077	1	Housing	6,3x8 natural
20	881483	1		6,3x0,8x1,1-2,5mm ²
	881484	1		6,3x0,8x4,0-6,0mm ²
21	949597	1	Housing	6,3x1 natural
	943511	1	Housing	6,3x1 natural
22	881489	1		6,3x0,8x1,1-2,5
23	944221	1	Housing	6,3x1 natural



AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

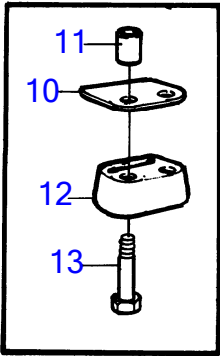
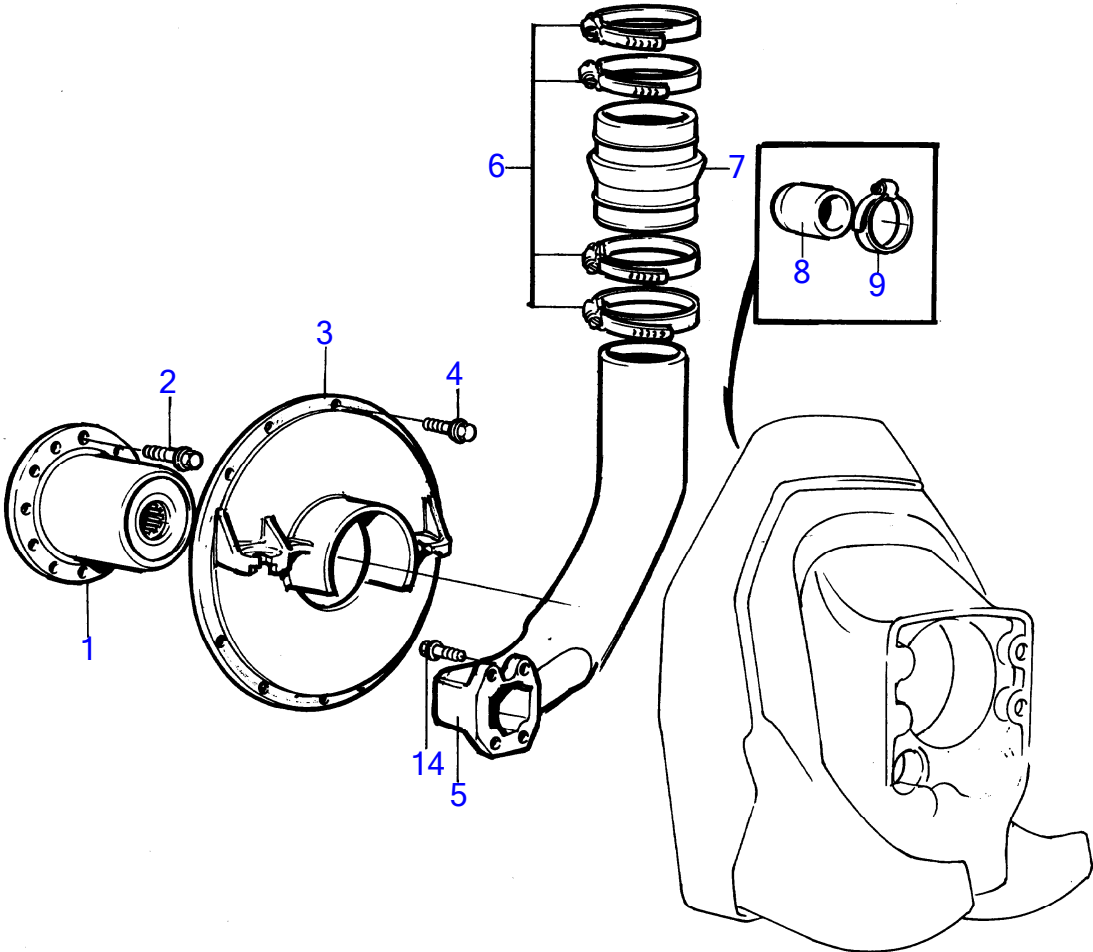
Ref	Part No.	Qty	Description	Notes
1	946038	1		2,1x0,5-1mm ²
2	944224	1	Housing	2-pole
3	944223	1	Housing	2-pole
4		1	Cable terminal	Not marketed by Volvo Penta., 2,1x0,5-1mm ²
5	965822	1		3,5x1,1-2,5mm ²
	948289	1		3,5x2,5-4,0mm ²
6	949584	1	Housing	3,5x1 natural
7	949583	1	Housing	3,5x1 natural
8	969831	1	Cable terminal	3,5x0,5-1mm ²
	965824	1		3,5x1,1-2,5mm ²
	965825	1		3,5x2,6-4,0mm ²
9	948996	1	Housing	3,5x2 natural
10	948995	1	Housing	3,5x2 natural
11	948296	1	Housing	3,5x3 natural
12	948297	1	Housing	3,5x3 natural
13	948294	1	Housing	3,5x9 natural
14	948295	1	Housing	3,5x9 natural
15	949371	1		3,5x0,75-1,5mm ²
16	1598753	1	Insulator	
17	1307035	1	Housing	1-pole
18	1308436	1	Housing	1-pole
19	1608765	1	Insulator	
20	965824	1		3,5x2,5-4,5mm ²
21	1608766	1	Seal	
22	1307048	1	Housing	2-pole
23	1307049	1	Housing	2-pole
24	970753	1	Housing	2-pole
25	1624477	1	Housing	2-pole
26	1259828	1	Housing	3-pole
27	3523442	1	Pin housing	3-polig (1259829)
28	1259830	1	Housing	4-pole
29	1259831	1	Housing	4-pole
30	966812	1	Housing	8-pole
31	967809	1	Housing	8-pole



44 Control Unit for Digital/Analog Trim Instrument

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A,
TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	873226	1	Control unit	
2	(873227)	1	Trimmer	Digital, Obsolete part
3	872498	1	• Trimmer	
4	858643	1	• Front ring	
5	(873136)	1	Trimmer	Obsolete part, Analog
6	857449	1	• Trimmer	
7	863945	1	• Bulb socket	
8	863946	1	• Bulb	Red
9	858643	1	• Front ring	

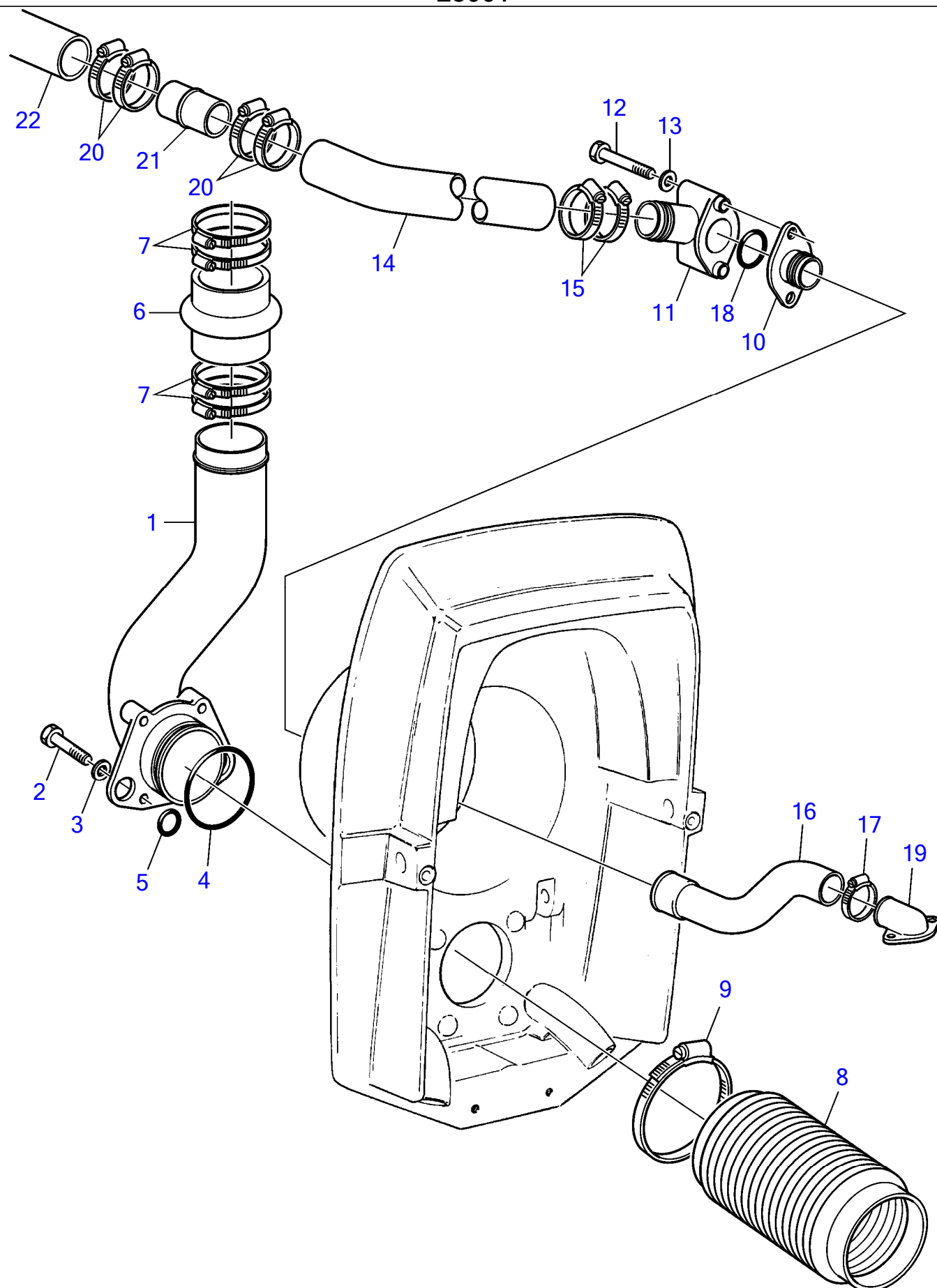


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44 Connecting Components for SX Drive Unit

AD31L-A, AD31P-A

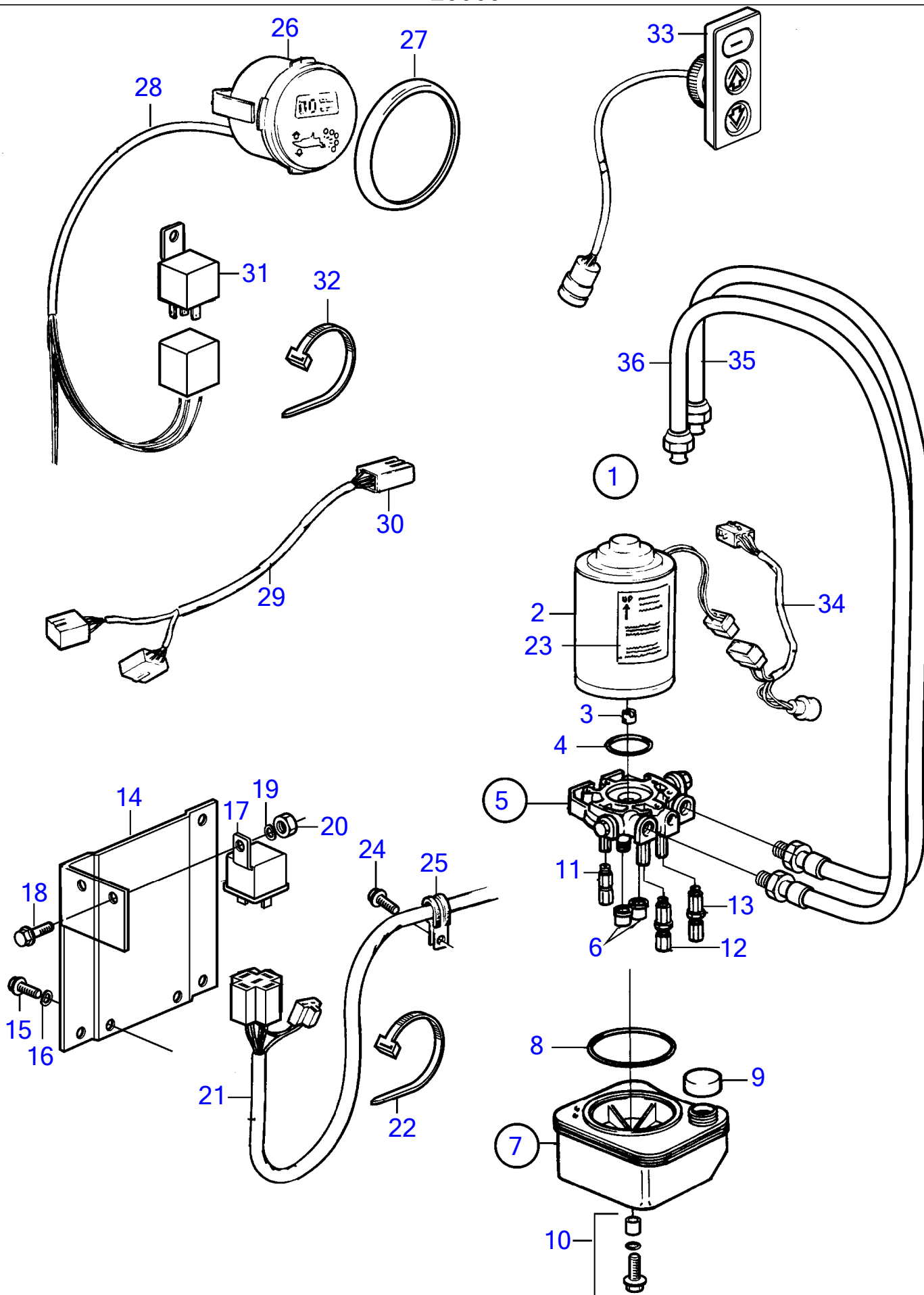
Ref	Part No.	Qty	Description	Notes
1	3858749	1	Oscillation damper	
2	946671	9	Flange screw	
3	3851216	1	Flywheel housing	
4	946752	9	Flange screw	
5	3851217	1	Exhaust pipe	
6	853012	4	Hose clamp	
7	860396	1	Exhaust hose	
8	845422	1	Plastic plug	
9	961667	1	Hose clamp	
10	(3856112)	1	Gasket	Obsolete part
11	3851823	2	Spacer	
12	3854130	1	Anode	
			· Bulletin P-44-1-1	Anodes, SX AND DP-S
13	940172	2	Hexagon screw	
14	3841928	4	Flange screw	



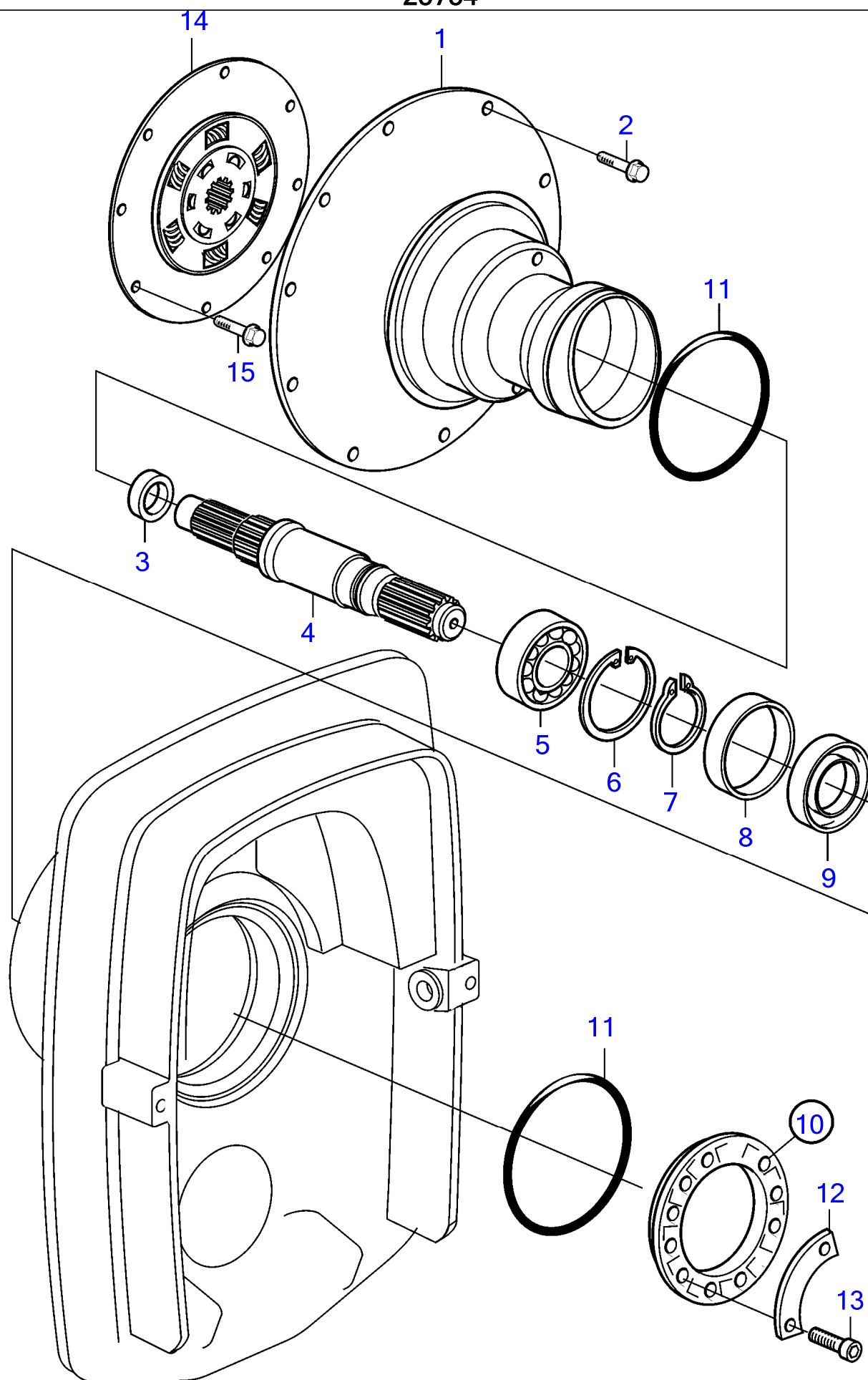
44 Exhaust and Cooling Water Inlet

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

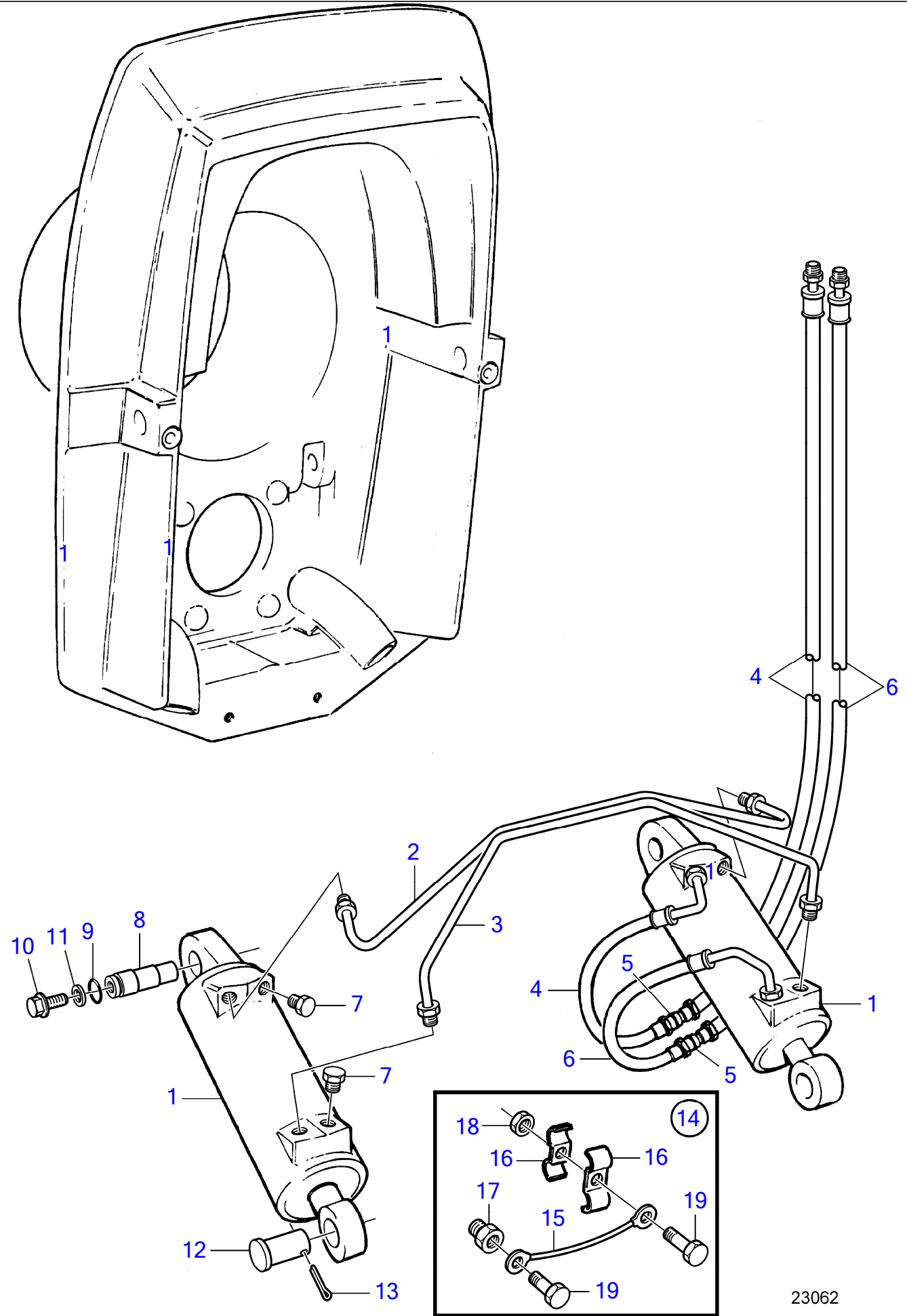
Ref	Part No.	Qty	Description	Notes
1	3581130	1	Exhaust pipe	(873114)
2	947790	4	Flange screw	
3	976945	4	Washer	
4	925256	1	O-ring	
5	925064	2	O-ring	
6	860396	1	Exhaust hose	
7	982694	4	Hose clamp	
8	876631	1	Bellows kit	
9	872531	2	· Hose clamp	
10	872334	1	Nipple	
11	872338	1	Hose connection	
12	955516	2	Hexagon screw	
13	955893	2	Washer	
14	861742	1	Hose	Intake-sea water pump.
15	961669	2	Hose clamp	
16	876632	1	Hose kit	
17	853548	1	· Hose clamp	
18	925064	1	· O-ring	
19	872752	1	Hose connection	
20	961669	4	Hose clamp	
21	861090	1	Tube	
22		1	Hose	Intake-sea water pump., See group 26



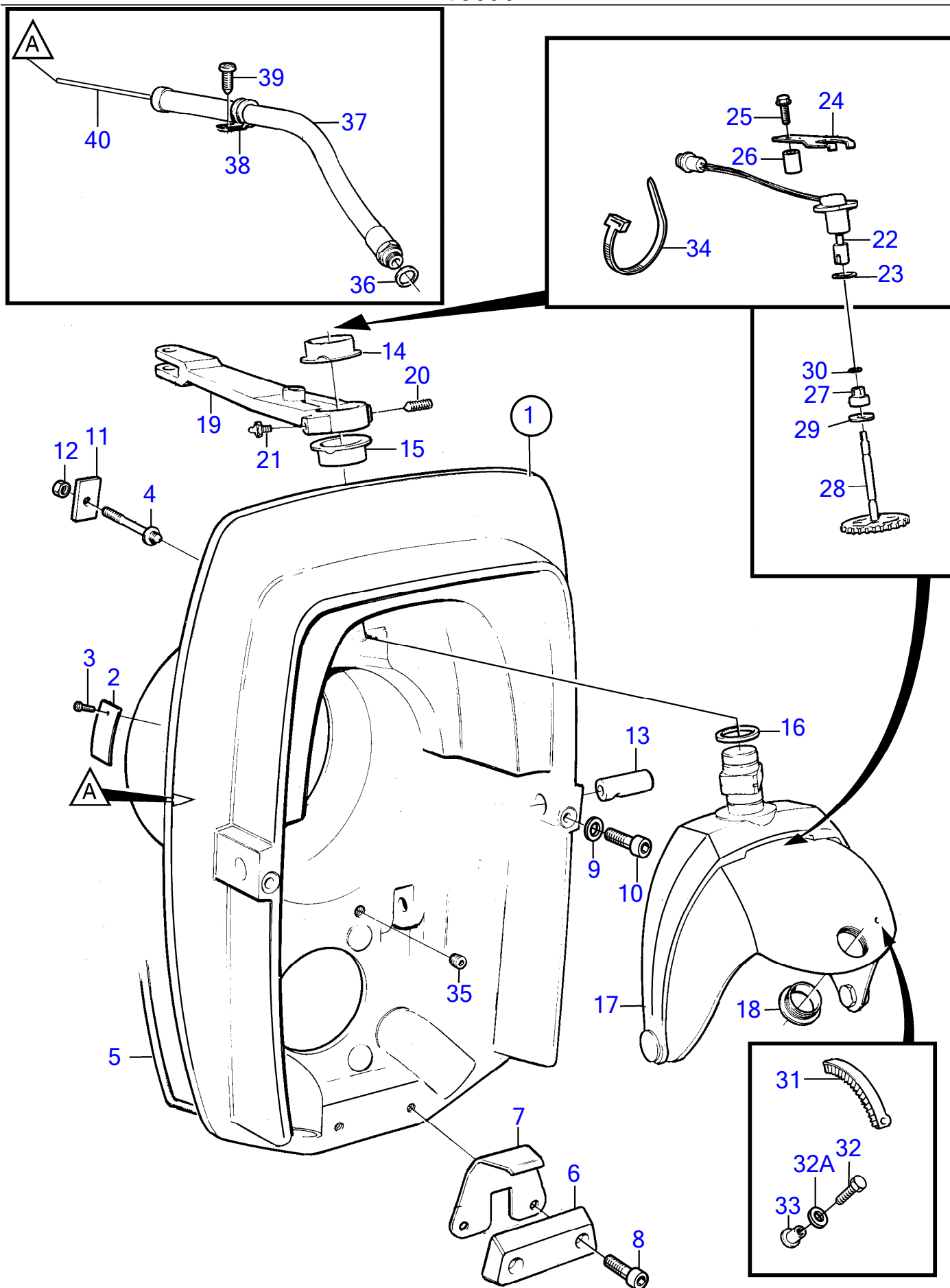
Ref	Part No.	Qty	Description	Notes
1	873051	1	Hydraulic pump	Repl by 3857265
	3857265	1	Hydraulic pump	
	3861027	1	Kit	
2	854525	1	• Electric motor	
3	3858072	1	• • Connector	
4	3858073	1	• • O-ring	
5	(854528)	1	• Valve housing	For 873051, Obsolete part
	3857003	1	• Adapter	
6	3858076	2	• • Filter	Obsolete part
7	(854531)	1	• Reservoir	
8	3858078	1	• • Seal	
9	3858079	1	• • Cap	
10	854534	1	• • Small parts kit	
11	854535	1	• Hydraulic pump	
12	873057	1	• Delivery valve	
13	854537	1	• Pressure box	
14	854438	1	• Bracket	
15	970945	2	• Hexagon screw	
16	941908	2	• Spring washer	
17	854357	2	• Relay	
18	948663	2	• Flange screw	
19	941905	2	• Spring washer	
20	955780	2	• Hexagon nut	
21		X	• cables and terminals	See group 30
22	948211	1	• Cable tie	
23	853097	1	• Sign	
24	968476	4	• Flange screw	
25	952630	4	• Clamp	
26	872498	1	Trimmer	
27	858643	1	Front ring	Obsolete part
28	(856821)	1	Cable kit	
29	853066	1	Cable trunk	
30		X	• cables and terminals	For double steering positions. See group 30
31	1324492	2	Relay	
	1324492	2	Relay	
32	949666	X	Cable tie	Replaced by relay 1324492 and mounting instruction., 12V 30A Nb! changed polarity. see mounting instruction., With built in diod
33	3855650	1	Control panel	
34	853032	1	Cable trunk	
	948294	X	• Housing	(873617), (853846)
	965822	X	•	
	(853498)	X	• Anode kit	
	853521	X	•	9-pole 3.5x1x2.5 3-pole, Obsolete part For 853498
35	873228	1	Hydraulic hose	
36	873229	1	Hydraulic hose	



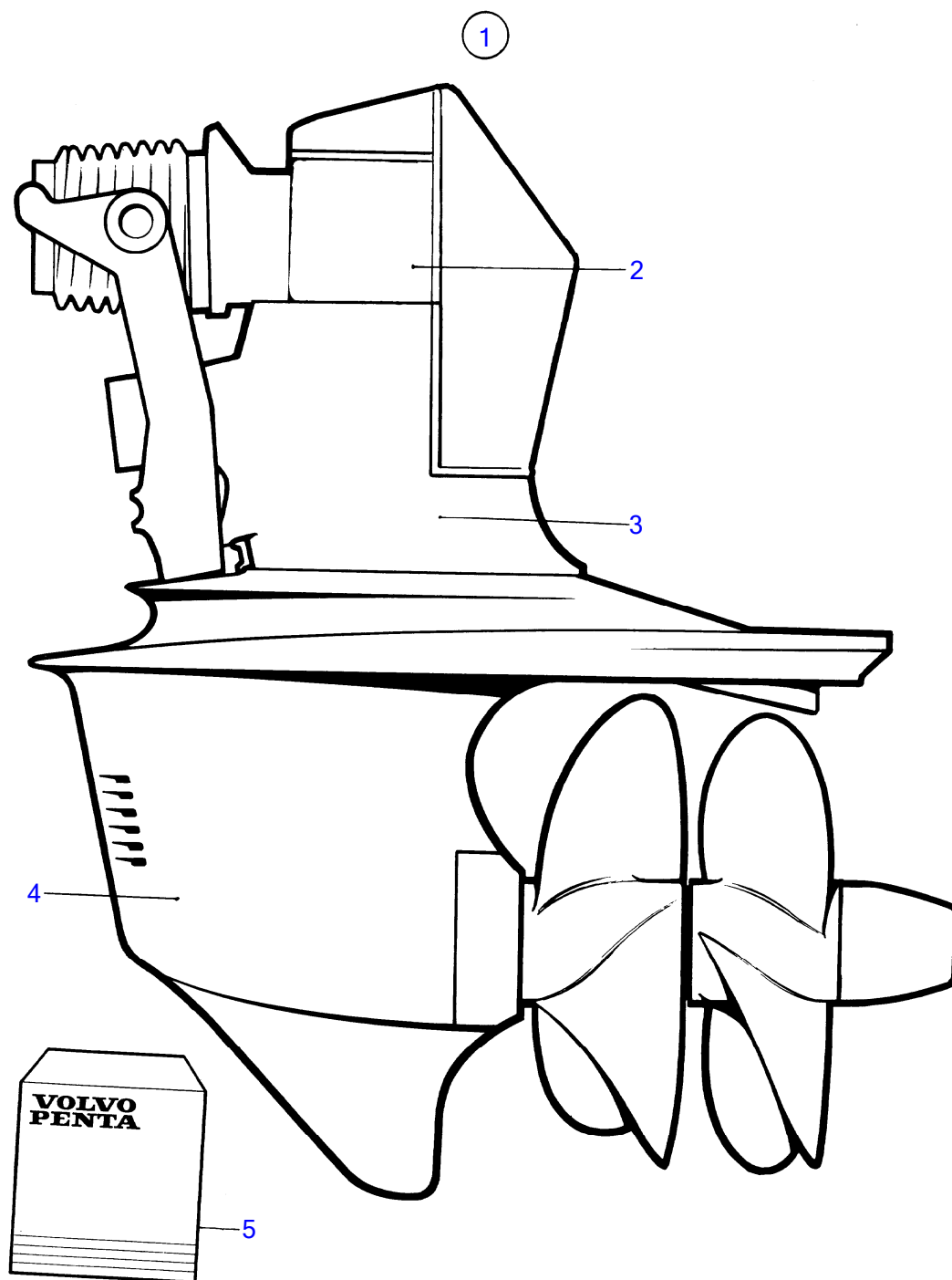
Ref	Part No.	Qty	Description	Notes
1	872836	1	Flywheel housing	Repl by 3860991
	3860991	1	Flywheel housing	
2	946752	10	Flange screw	L=35mm
	946752	9	Flange screw	L=35mm, alt AD31
	965185	1	Flange screw	L=40mm, alt AD31
3	872761	1	Bushing	
4	873013	1	Primary shaft	
5	184841	1	Ball bearing	
6	914533	1	Snap ring	
7	914462	1	Snap ring	
8	872991	1	Bearing bushing	
9	958860	1	Sealing ring	
10	854317	1	Clamping ring kit	
11	813967	2	· Rubber ring	
12	806624	3	· Striker plate	
13	191844	6	· Hexagon screw	
14	855389	1	Absorber	D31
	855617	1	Oscillation damper	D41
15	946173	6	Flange screw	



Ref	Part No.	Qty	Description
1	3860881	2	Cylinder
2	854696	1	Tube
3	854697	1	Tube
4	873228	1	Hydraulic hose
5	960214	2	• O-ring
6	873229	1	Hydraulic hose
7	852879	2	Plug
8	872382	2	Spindle
9	925053	2	O-ring
10	853060	2	Flange screw
11	853059	2	Washer
12	872126	2	Clevis pin
13	967707	2	Cotter pin
14	854625	1	Set, assy.
15		1	• Ground cable
16	854628	2	• Clamp
17	872207	1	• Nipple
18	944456	1	• Hexagon nut
19	963545	2	• Hexagon screw

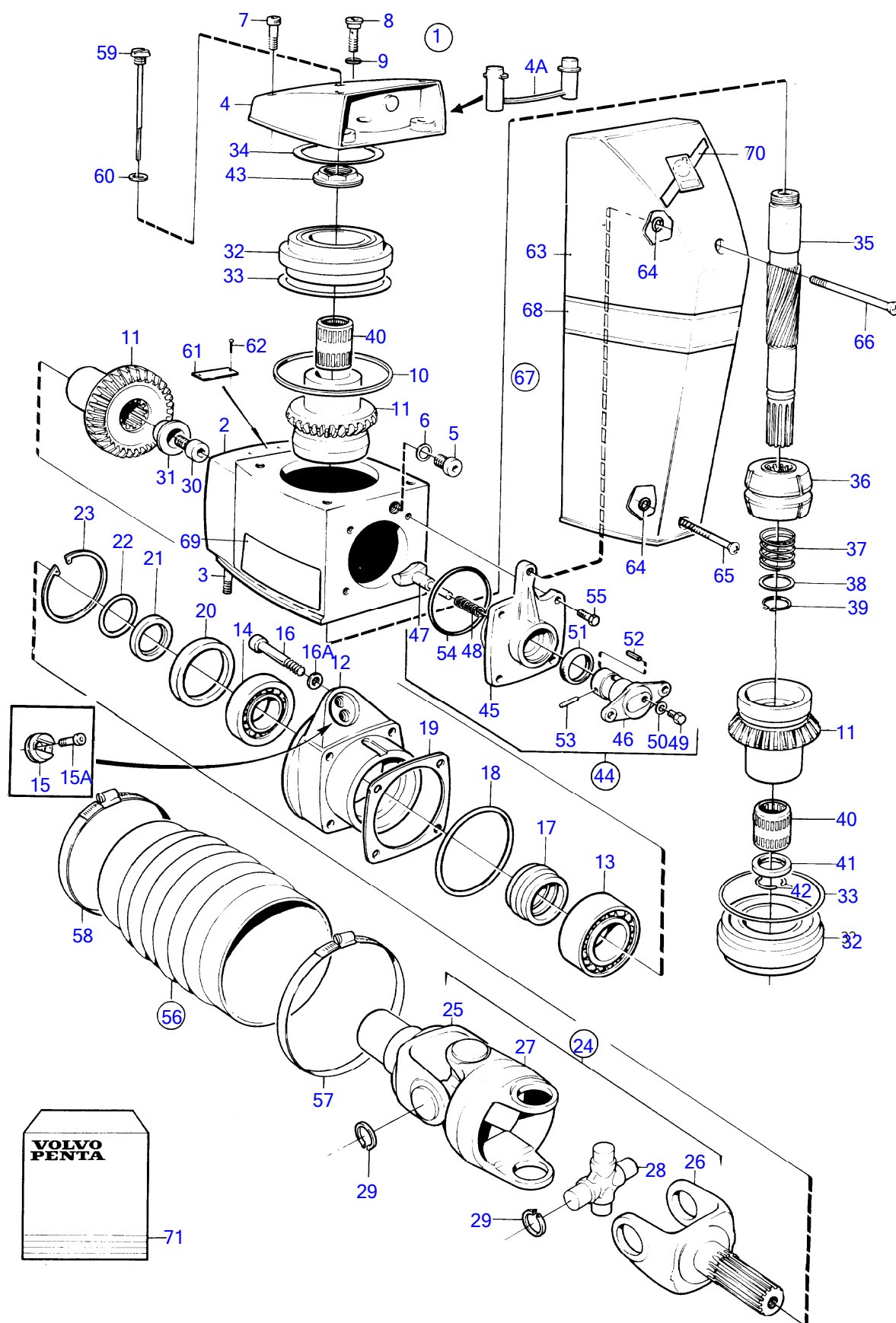


Ref	Part No.	Qty	Description	Notes
1	876630	1	Shield	
2	853706	1	• Type plate	
3	804269	2	• Drive screw	
4	873316	6	Stud	
5	852868	X	Sealing strip	L=1750mm
6	852835	1	Zinc electrode	Alt
	873178	1	Magnesium anode	To be used in fresh-water., Alt
7	(872963)	1	Support plate	Obsolete part
8	946541	2	Hex. socket screw	
9	941670	2	Washer	
10	963699	2	Hex. socket screw	
11	852866	6	Washer	
12	963108	6	Lock nut	
13	872493	2	Spindle	
14	854705	1	Bushing	
15	854704	1	Bushing	
16	977313	1	Sealing ring	
17	872845	1	Steering yoke	
18	853048	1	• Bushing	
19	872722	1	Steering arm	
20	947904	1	Set screw	
21	914169	1	Lubricating nipple	
22	873531	1	Sensor	
23	955991	1	O-ring	
24	853039	1	Bracket	
25	955298	1	Hexagon screw	
26	872355	1	Spacer sleeve	
27	851430	1	Bushing	
28	852984	1	Driving wheel	
29	966207	1	Sealing ring	
30	925050	1	O-ring	
31	872812	1	Gear segment	
32	853759	1	Screw	
32A	941907	1	Spring washer	
33	853760	1	Rivet nut	
34	948211	1	Cable tie	
35	853215	2	Plug	
36	897745	1	Gasket	
37	839091	1	Protecting hose	
38	952635	1	Clamp	
39	955512	1	Hexagon screw	
40		1	Control cable	



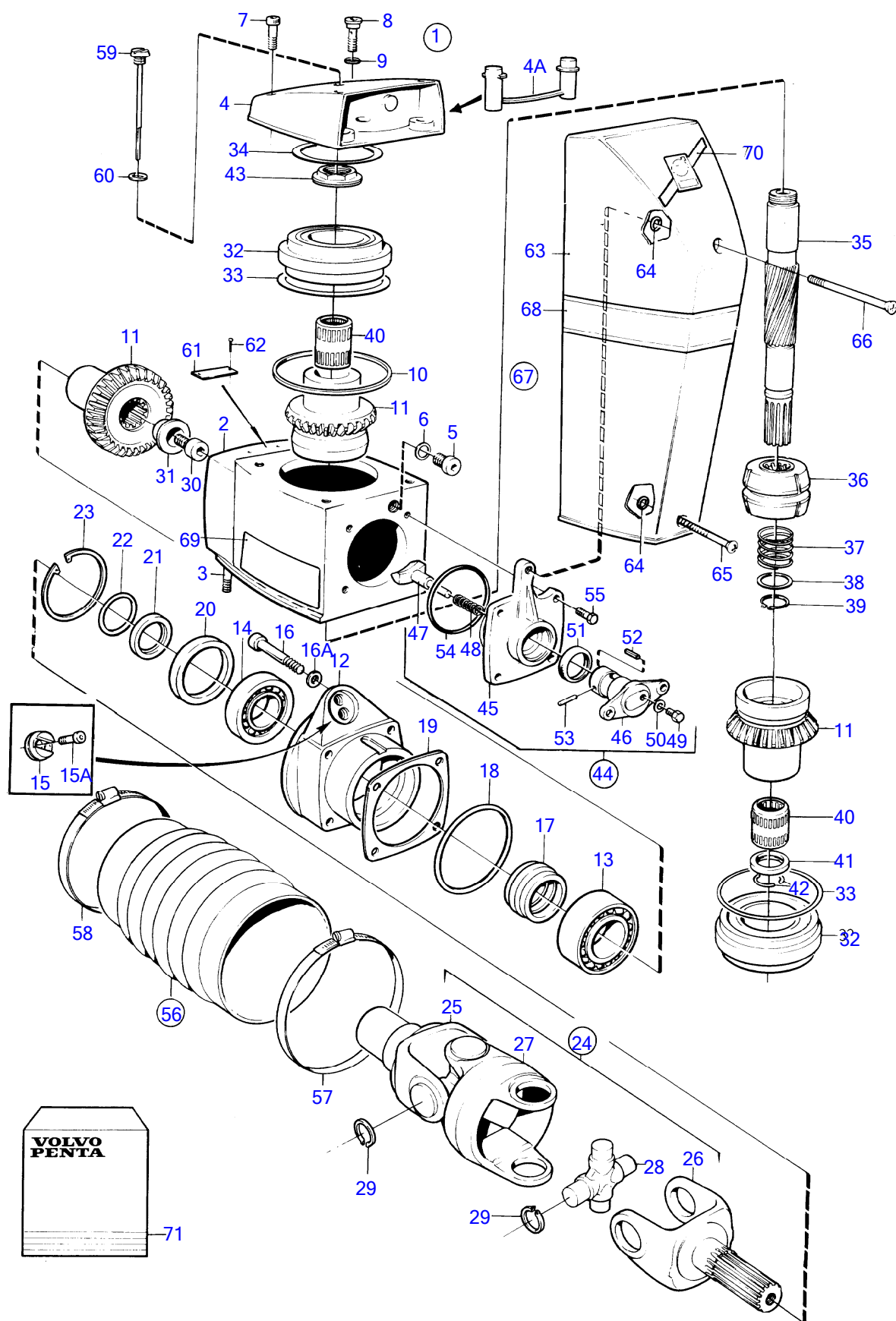
15157

Ref	Part No.	Qty	Description	Notes
1	3868022	1	Aquamatic drive	Ratio 1.78:1
2	3858785	1	• Upper gear	
	3803483	1	• Upper gear, exch, exch	
3		1	• Intermediate housing	
4	872769	1	• Lower gear	Ratio 1.78:1
5	876266	1	Gasket kit, upper gear	See group 99
	876267	1	Gasket kit, Lower Gear	See group 99



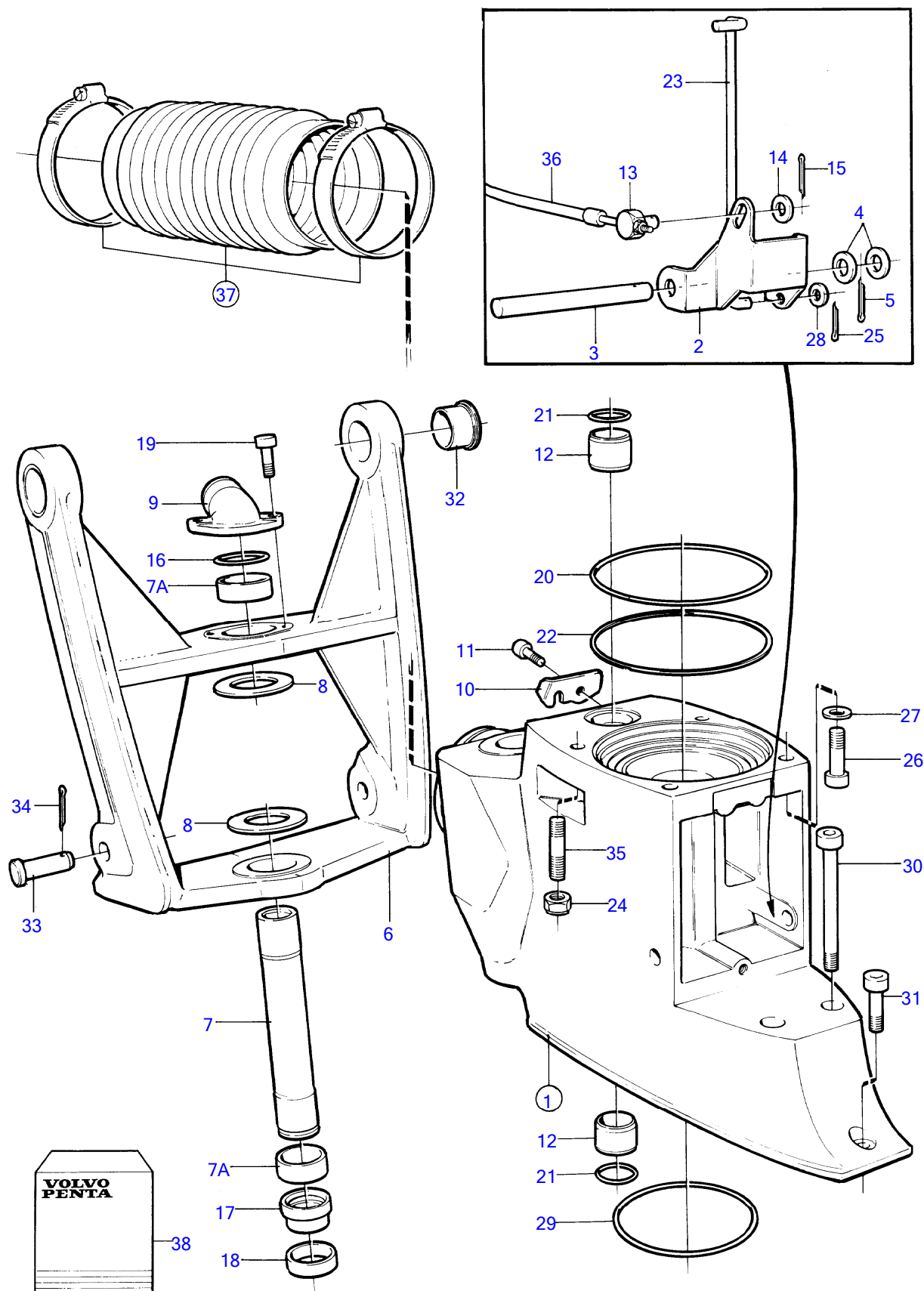
Ref	Part No.	Qty	Description	Notes
1	873002	1	Gear	Repl by 3858785
2	854571	1	• Gear housing	
3	977241	2	• Stud	
4	854677	1	• Cover	
4A	(854198)	1	• Plastic plug	Obsolete part
5	981965	1	• Plug	
6	897682	1	• Gasket	Included in gasket kit.
7	941807	3	• Hex. socket screw	
8	814643	1	• Hollow screw	
9	955989	1	• O-ring	Included in gasket kit.
10	832669	1	• Gasket	Included in gasket kit.
11		1	• Gear set	Replaced by 1pcs 873313, gear set, 1pcs 3855783, sliding sleeves, and 1pcs 3856
	873313	1	• Gear	
12	854025	1	• Bearing box	
13	3850852	1	• Bearing	
14	183247	1	• Roller bearing	
15	852705	1	• Pivot pin	
15A	941807	2	• Hex. socket screw	
16	984068	4	• Hex. socket screw	
16A	942598	4	• Washer	
17	853484	1	• Pretensioning sleeve	
18	967344	1	• O-ring	Included in gasket kit.
19	853034	X	• Shim	TH=0.10mm
	853035	X	• Shim	TH=0.15mm
	853036	X	• Shim	TH=0.35mm
20	839253	1	• Sealing ring	Included in gasket kit.
21	832675	1	• Washer	
22	956000	1	• O-ring	Included in gasket kit.
23	914538	1	• Snap ring	
24	3860230	1	• Universal joint	
			• Bulletin P-44-1-5	U-joints
25	854616	1	• • Fork	
26	854617	1	• • Fork	
27	854618	1	• • Intermediate section	
28	854619	2	• • Spider	
29	24383	8	• • Lock ring	
30	3852309	1	• Screw	
31	853026	1	• Washer	
32	854670	2	• Ball bearing	
33	943869	X	• Shim	TH=0.05mm
	946179	X	• Shim	TH=0.10mm
	943870	X	• Shim	TH=0,20mm
34	941826	X	• Shim	TH=0.05mm
	941827	X	• Shim	TH=0,20mm
	948230	X	• Shim	TH=0.35mm
35	3852292	1	• Shaft	
36	3852293	1	• Sliding sleeve	Replaced by 1pcs 3855783, sliding sleeves, and 1pcs 3856502, dog.
			• Bulletin P-44-1-8	Shift mechanism, shift cone and shoe
			• Bulletin P-44-1-18	Shift Cone
36	3855783	1	• Sliding sleeve	
			• Bulletin P-44-1-18	Shift Cone
37	3852296	1	• Spring	
38	3852298	1	• Spacer	
39	951078	1	• Snap ring	
40	3852390	2	• Bearing	
41	3852294	1	• Ring	
42	3852295	2	• Locking clip	
43	3852301	1	• Nut	0.0mm
	3852302	1	• Nut	0.2mm
	3852303	1	• Nut	0.4mm
	3852375	1	• Nut	0.6mm
44		1	• Shift mechanism	
45	3855785	1	• • Bearing housing	
46	3856008	1	• • Plunger	
47	839646	1	• • Dog	
	3856502	1	• • Dog	
48	814184	1	• • Spring	Obsolete part
49	897711	1	• • Hexagon screw	
50	897871	X	• • Shim	
51	853868	1	• • Sealing ring	

Ref	Part No.	Qty	Description	Notes
52	951924	1	• • Spring pin	
53	942871	1	• • Clevis pin	
54	925093	1	• • O-ring	Included in gasket kit.
55	940169	4	• Hexagon screw	
56	876294	1	• Bellows kit	
			• Bulletin P-44-1-11	DPH/DPR U-Joint Bellows
57	22274888	1	• • Hose clamp	
58	853012	1	• • Hose clamp	
59	839351	1	• Oil dipstick	
60	955974	1	• O-ring	Included in gasket kit.
61	853706	1	• Type plate	
62	804269	2	• Drive screw	
63	854604	1	Protecting cover	Included in complete drive.
64	925052	2	O-ring	Included in complete drive.
65	872027	1	Screw	Included in complete drive.
66	854661	1	Screw	Included in complete drive.
67	876636	1	Decal set	
68	872866	1	• Decal	Included in gasket kit.
69	872868	1	• Decal	Included in complete drive., P
	872867	1	• Decal	Included in complete drive., S.B
70	854144	1	Sign	Included in complete drive.
71	876266	1	Gasket kit, upper gear	See group 99

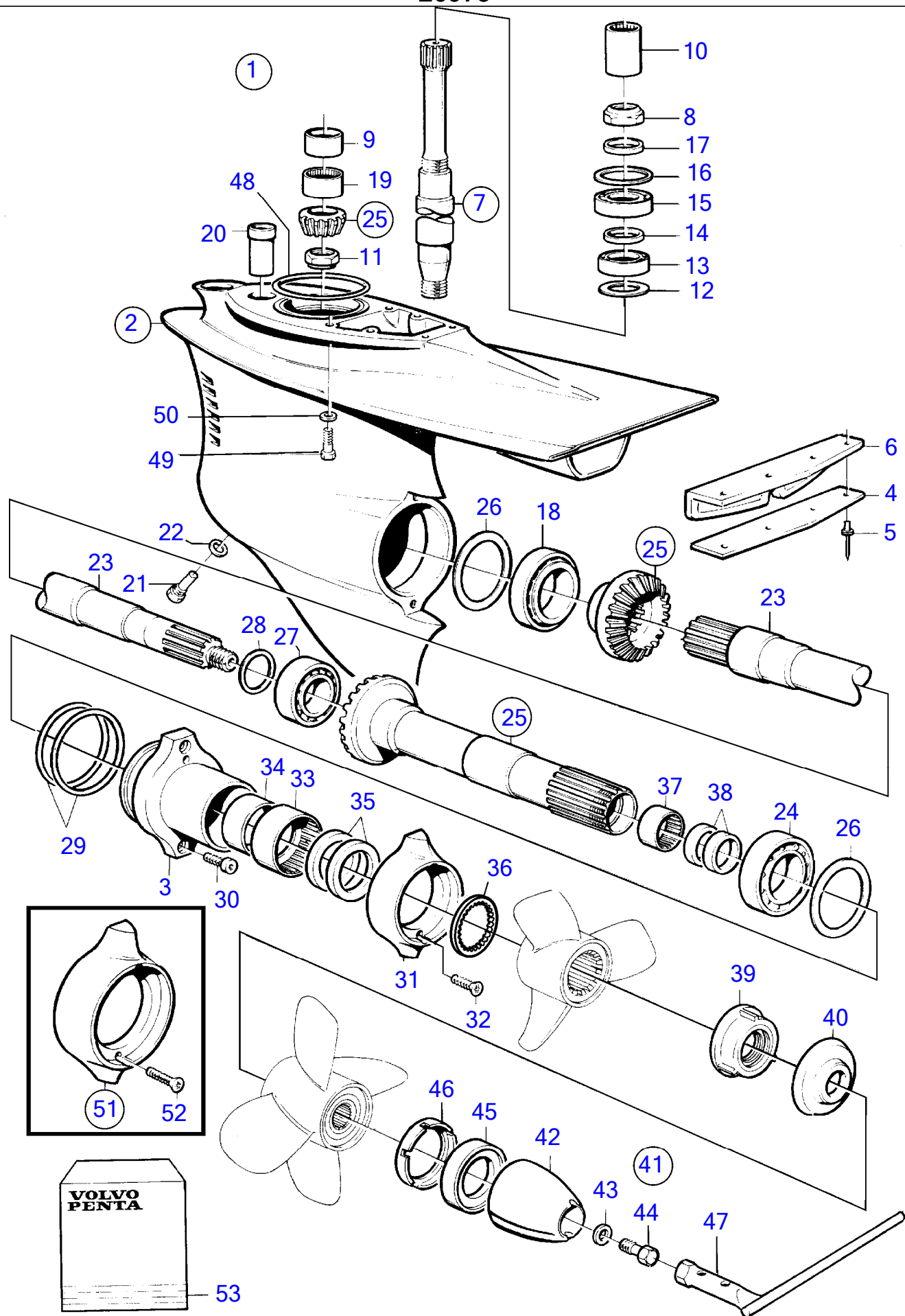


Ref	Part No.	Qty	Description	Notes
1	3858785	1	Upper gear	
	3803483	1	Upper gear, exch, exch	
2	3856812	1	• Gear housing	
3	977241	2	• Stud	
4	3857149	1	• Cover	
4A	(854198)	1	• Plastic plug	Obsolete part
5	981965	1	• Plug	
6	897682	1	• Gasket	Included in gasket kit.
7	941807	3	• Hex. socket screw	
8	814643	1	• Hollow screw	
9	955989	1	• O-ring	Included in gasket kit.
10	832669	1	• Gasket	Included in gasket kit.
11		1	• Gear set	Replaced by 1pcs 873313, gear set, 1pcs 3855783, sliding sleeves, and 1pcs 38
	873313	1	• Gear	
12	3857144	1	• Bearing box	
13	3850852	1	• Bearing	
14	183247	1	• Roller bearing	
15	852705	1	• Pivot pin	
15A	941807	2	• Hex. socket screw	
16	984068	4	• Hex. socket screw	
16A	942598	4	• Washer	
17	853484	1	• Pretensioning sleeve	
18	967344	1	• O-ring	Included in gasket kit.
19	853034	X	• Shim	TH=0.10mm
	853035	X	• Shim	TH=0.15mm
	853036	X	• Shim	TH=0.35mm
20	839253	1	• Sealing ring	Included in gasket kit.
21	832675	1	• Washer	
22	956000	1	• O-ring	Included in gasket kit.
23	914538	1	• Snap ring	
24	3860230	1	• Universal joint	
			Bulletin P-44-1-5	U-joints
30	3860364	1	• Screw	
31	853026	1	• Washer	
33	943869	X	• Shim	TH=0.05mm
	946179	X	• Shim	TH=0.10mm
	943870	X	• Shim	TH=0,20mm
34	941826	X	• Shim	TH=0.05mm
	941827	X	• Shim	TH=0,20mm
	948230	X	• Shim	TH=0.35mm
35	3852292	1	• Shaft	
36	3852293	1	• Sliding sleeve	Replaced by 1pcs 3855783, sliding sleeves, and 1pcs 3856502, dog.
			Bulletin P-44-1-8	Shift mechanism, shift cone and shoe
			Bulletin P-44-1-18	Shift Cone
36	3855783	1	• Sliding sleeve	
			Bulletin P-44-1-18	Shift Cone
37	3852296	1	• Spring	
38	3852298	1	• Spacer	
39	951078	1	• Snap ring	
40	3852390	2	• Bearing	
41	3852294	1	• Ring	
42	3852295	2	• Locking clip	
43	3852301	1	• Nut	0.0mm
	3852302	1	• Nut	0.2mm
	3852303	1	• Nut	0.4mm
	3852375	1	• Nut	0.6mm
44	3855787	1	• Shift unit	
45	3855785	1	• • Bearing housing	
46	3856008	1	• • Plunger	
47	3856502	1	• • Dog	
48	814184	1	• • Spring	Obsolete part
49	897711	1	• • Hexagon screw	
50	897871	X	• • Shim	
51	853868	1	• • Sealing ring	
52	973593	1	• • Spring pin	
53	942871	1	• • Clevis pin	
54	925093	1	• • O-ring	Included in gasket kit.
55	940169	4	• Hexagon screw	
56	876294	1	• Bellows kit	
			Bulletin P-44-1-11	DPH/DPR U-Joint Bellows

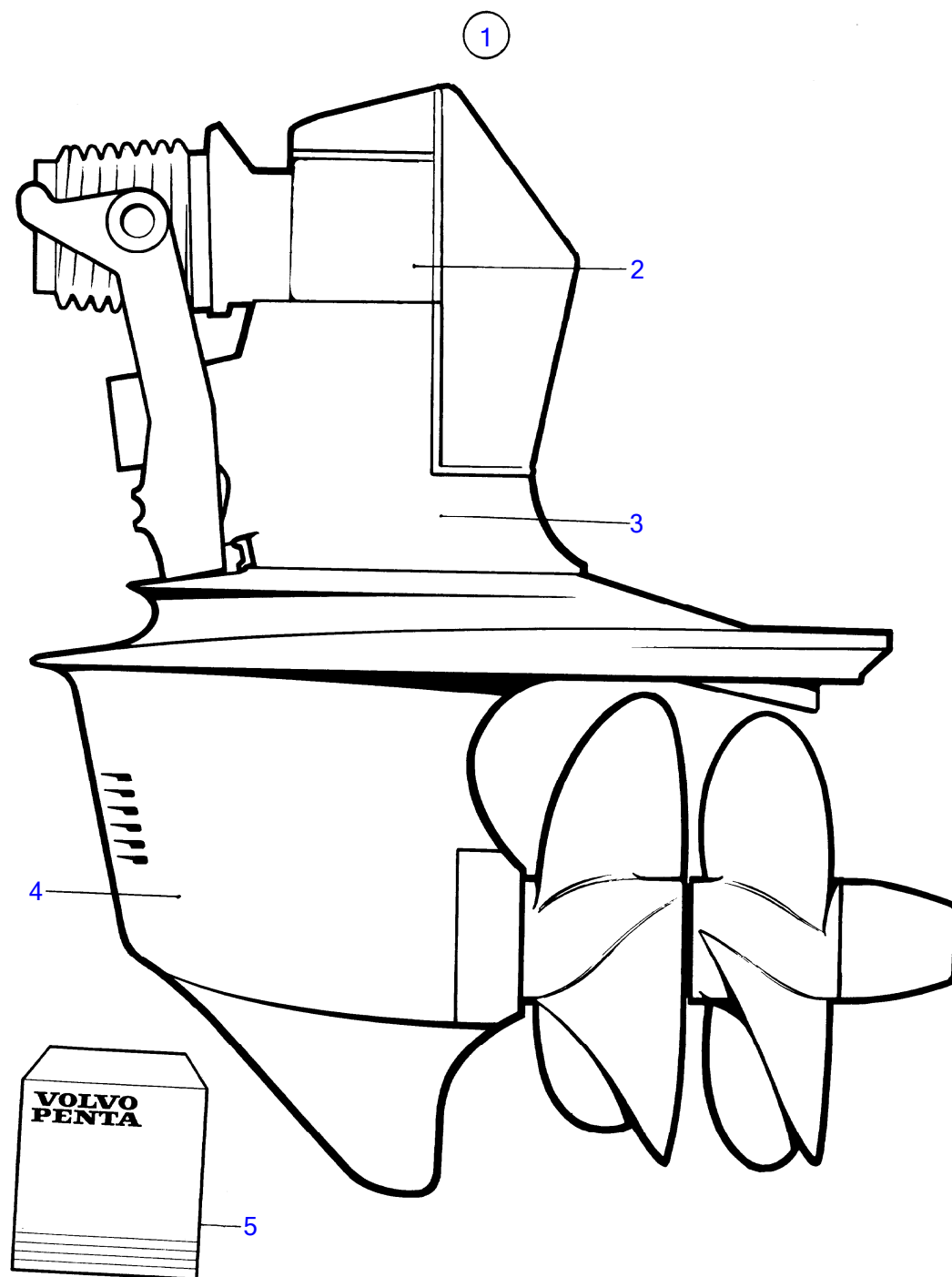
Ref	Part No.	Qty	Description	Notes
57	22274888	1	• • Hose clamp	
58	853012	1	• • Hose clamp	
59	839351	1	• Oil dipstick	
60	955974	1	• O-ring	Included in gasket kit.
61	853706	1	• Type plate	
62	804269	2	• Drive screw	
63	854604	1	Protecting cover	Included in complete drive.
64	925052	2	O-ring	Included in complete drive.
65	872027	1	Screw	Included in complete drive.
66	854661	1	Screw	Included in complete drive.
67	876636	1	Decal set	
68	872866	1	• Decal	Included in gasket kit.
69	872868	1	• Decal	Included in complete drive., P
	872867	1	• Decal	Included in complete drive., S.B
70	854144	1	Sign	Included in complete drive.
71	876266	1	Gasket kit, upper gear	See group 99



Ref	Part No.	Qty	Description	Notes
1	872850	1	Intermediate housing	
2	872977	1	• Yoke	
3	897447	1	• Shaft	
4	941670	2	• Washer	
5	17253	1	• Cotter pin	Included in gasket kit.
6	872853	1	Fork	
7	872753	1	Steering knuckle	
7A	872756	2	Bearing bushing	
8	3860808	1	Shim kit	
9	872752	1	Hose connection	
10	872940	1	Cable attachment	
11	940168	1	Hexagon screw	
12	872986	2	Sleeve	
13	3852329	1	Cube	
14	940191	1	Washer	
15	17276	1	Cotter pin	Included in gasket kit.
16	979254	1	O-ring	
17	873534	1	Retainer	
18	872755	1	Sealing ring	Included in gasket kit.
19	940169	2	Hexagon screw	
20	925259	1	O-ring	Included in gasket kit.
21	125017	2	O-ring	Included in gasket kit.
22	941826	X	Shim	TH=0.05mm
	941827	X	Shim	TH=0,20mm
	948230	X	Shim	TH=0.35mm
23	872822	1	Control rod	
24	941885	2	Lock nut	
25	17253	1	Cotter pin	Included in gasket kit.
26	959456	2	Hex. socket screw	
27	853095	2	Washer	
28	940191	1	Washer	
29	925256	1	O-ring	Included in gasket kit.
30	941808	2	Hex. socket screw	
31	941809	1	Hex. socket screw	
32	876507	1	Bushing kit	Included in gasket kit.
33	872126	2	Clevis pin	
34	967707	2	Cotter pin	
35	977241	2	Stud	
36		1	Control cable	
37		1	Bellows kit	
38	876266	1	Gasket kit, upper gear	See group 99
	876267	1	Gasket kit, Lower Gear	See group 99

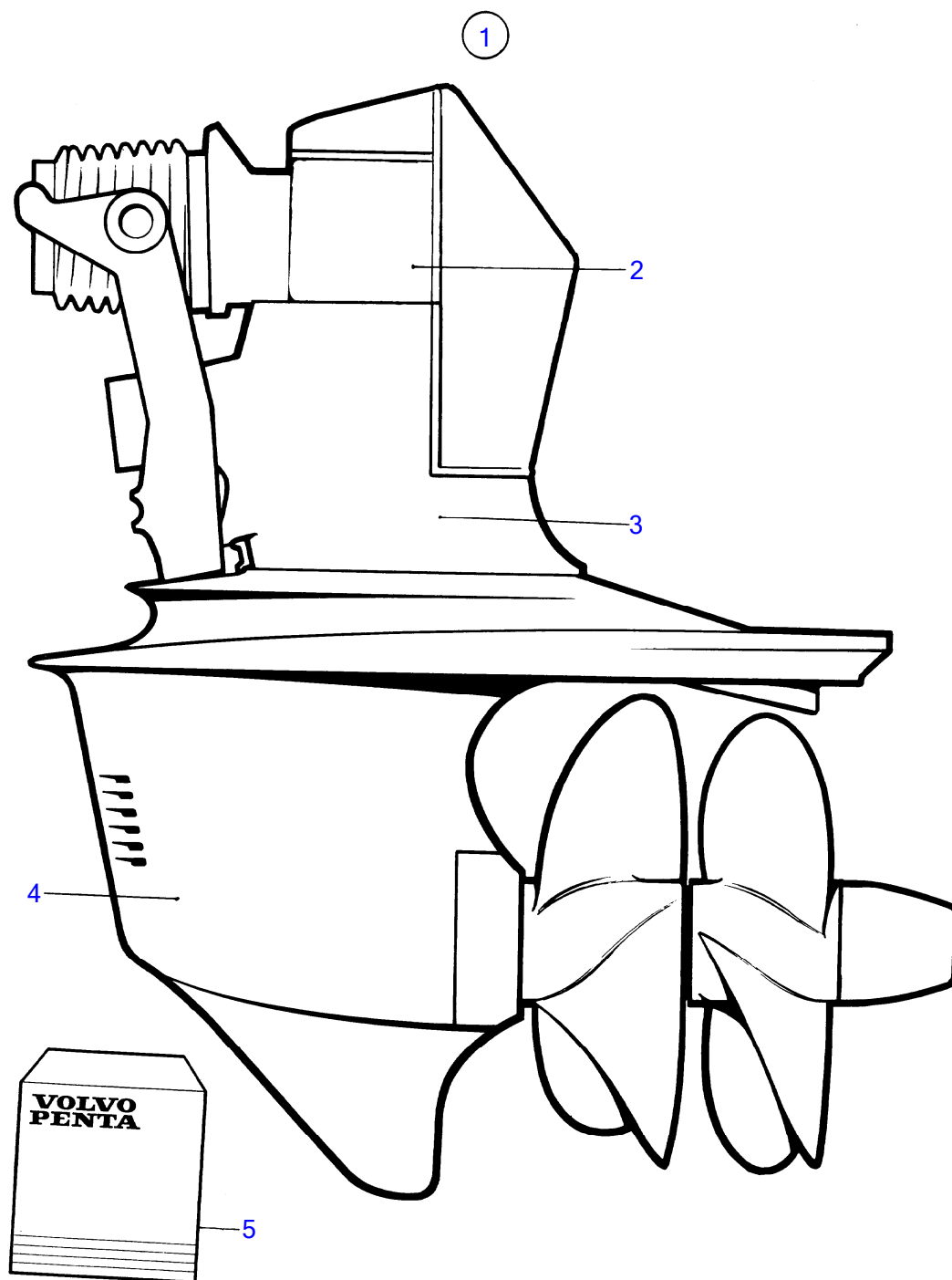


Ref	Part No.	Qty	Description	Notes
1	872769	1	Lower gear	Ratio 1.78:1
2	3855628	1	• Gear housing	
3	854053	1	• • Bearing housing	
4	872439	1	• • Attaching plate	
5	977711	4	• • Blind rivet	
6	872438	1	• • Check valve	
7	854611	1	• Countershaft	
8	969071	1	• • Round nut	Included in gasket kit.
9	184682	1	• • Inner ring	
10	3852268	1	• • Splined sleeve	
11	852212	1	• Nut	Included in gasket kit.
12	941832	X	• Shim	TH=0.05mm
	941833	X	• Shim	TH=0,20mm
13	183374	1	• Ball bearing	
14	944970	X	• Shim	
15	11072	1	• Roller bearing	
16	944522	X	• Shim	TH=0.05mm
	42981	X	• Shim	TH=0.10mm
	968057	X	• Shim	TH=0,20mm
	42980	X	• Shim	TH=0.35mm
17	897387	1	• Clamping ring	
18	11044	1	• Roller bearing	
19	184654	1	• Needle roller bushin	
20	814482	1	• Oil pump screen	
21	852904	1	• Magnetic plug	
22	955974	1	• O-ring	Included in gasket kit.
23	872533	1	• Propeller shaft	
24	184765	1	• Roller bearing	
25	3861458	1	• Drive gear set	Ratio 1.78:1
26	967352	X	• Shim	TH=0.05mm
	941823	X	• Shim	TH=0,10mm
	967351	X	• Shim	TH=0.15mm
	941824	X	• Shim	TH=0.20mm
	941825	X	• Shim	TH=0.40mm
27	184691	1	• Roller bearing	
28	191834	X	• Shim	TH=0.10mm
	191835	X	• Shim	TH=0.15mm
	191837	X	• Shim	TH=0,25mm
29	925258	2	• O-ring	Included in gasket kit.
30	941812	2	• Hex. socket screw	
31	875821	1	• Zinc ring kit	
32	966808	2	• • Screw	
33	183859	1	• Needle roller bushin	
34	184683	1	• Inner ring	
35	851407	2	• Sealing ring	Included in gasket kit.
36	3858457	1	• Thrust ring	
37	183272	1	• Needle roller bearin	
38	853871	1	• Sealing ring	Included in gasket kit.
39	3851334	1	• Propeller nut	
40	3858458	1	• Thrust ring	
41	872549	1	• Spinner	
42		1	• • Spinner	
43	943194	1	• • Washer	
44	872546	1	• • Lock screw	M12
45	853676	1	• • Spacer ring	
46	854294	1	• • Plastic washer	
47	873058	1	• Tool kit	
48	925256	1	O-ring	Included in gasket kit., Included in complete drive.
49	941810	4	Hex. socket screw	Included in complete drive.
50	853095	4	Washer	Included in complete drive.
51	876138	1	Anode kit	
52	966808	2	• Screw	
53	876267	1	Gasket kit, Lower Gear	See group 99



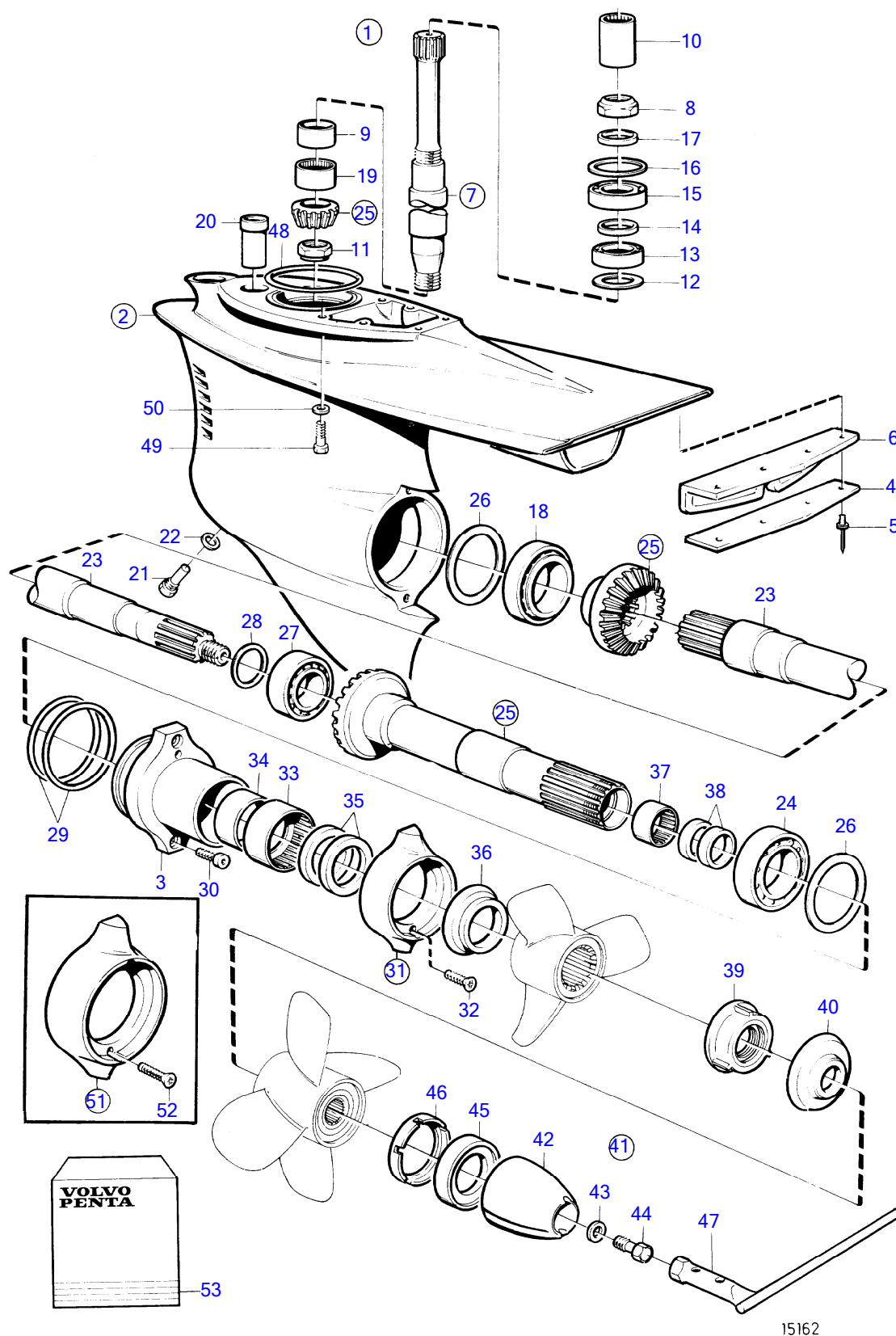
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Ref	Part No.	Qty	Description	Notes
1	872862	1	Aquamatic drive	Ratio 1.95:1
2	3858785	1	• Upper gear	(873002)
	3803483	1	• Upper gear, exch, exch	(873002)
3		1	• Intermediate housing	
4	872768	1	• Lower gear	Ratio 1.95:1
	3803187	1	• Lower gear, exch, exch	Ratio 1.95:1
5	876266	1	Gasket kit, upper gear	See group 99
	876267	1	Gasket kit, Lower Gear	See group 99



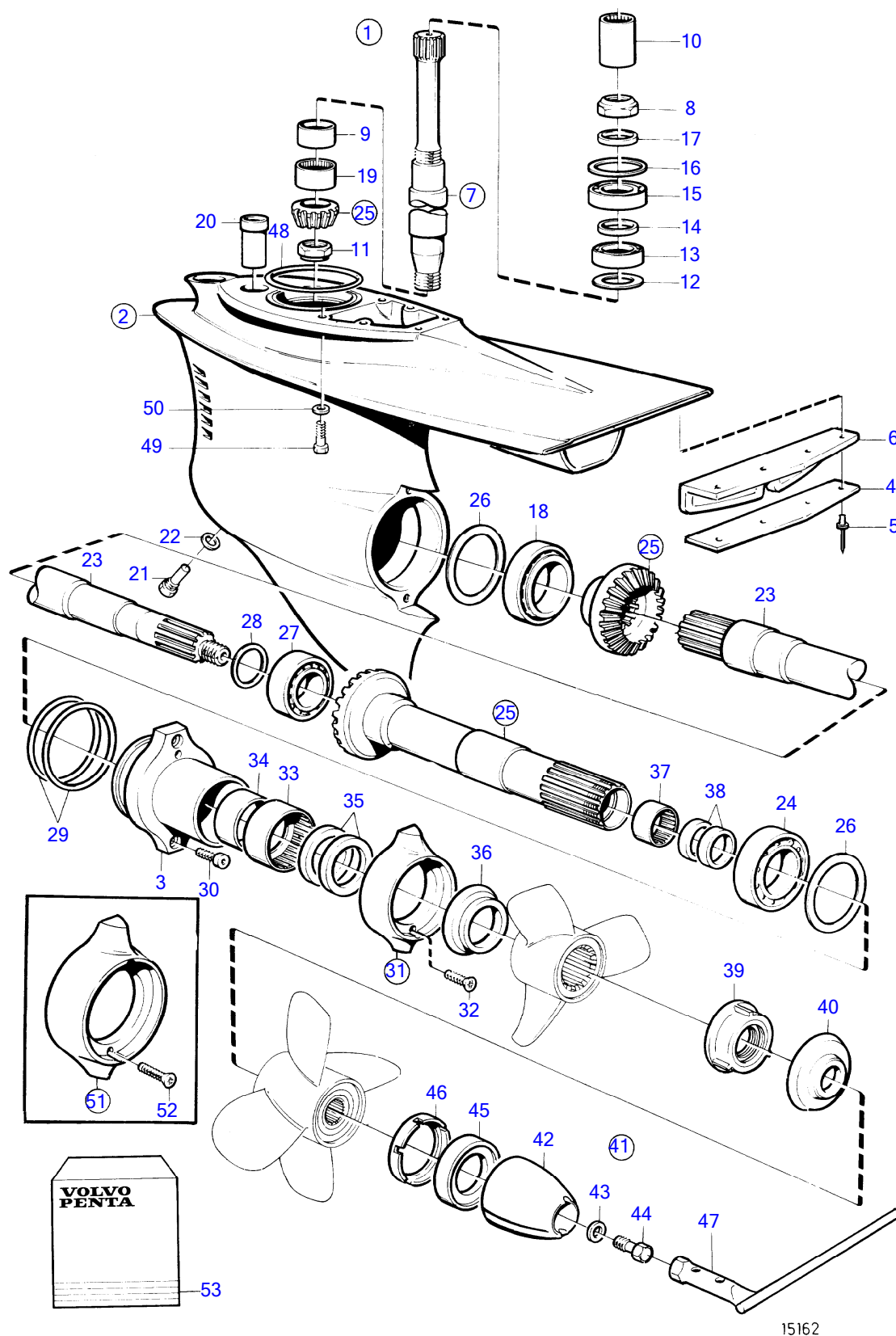
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Ref	Part No.	Qty	Description	Notes
1	872863	1	Aquamatic drive	Ratio 2.30:1
	3803224	1	Aquamatic drive, exc, exch	Ratio 2.30:1
2	3858785	1	• Upper gear	(873002)
	3803483	1	• Upper gear, exch, exch	(873002)
3		1	• Intermediate housing	
4	872767	1	• Lower gear	Ratio 2.30:1
	3803186	1	• Upper gear, exch, exch	Ratio 2.30:1
5	876266	1	Gasket kit, upper gear	See group 99
	876267	1	Gasket kit, Lower Gear	See group 99



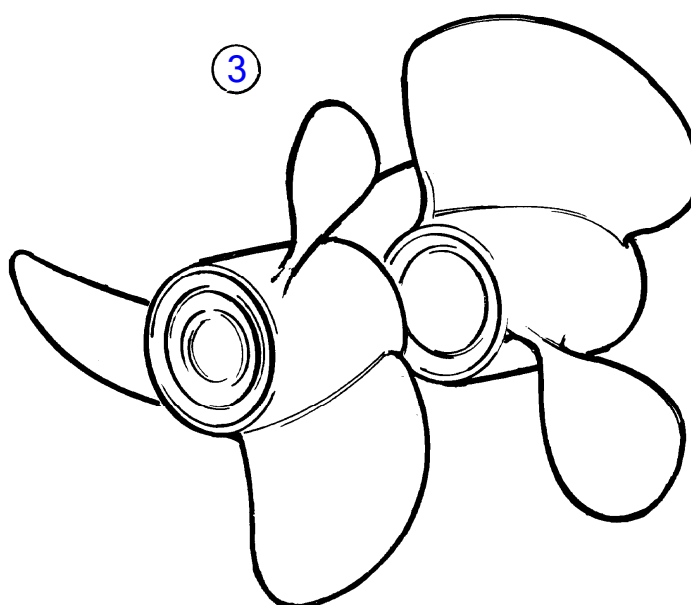
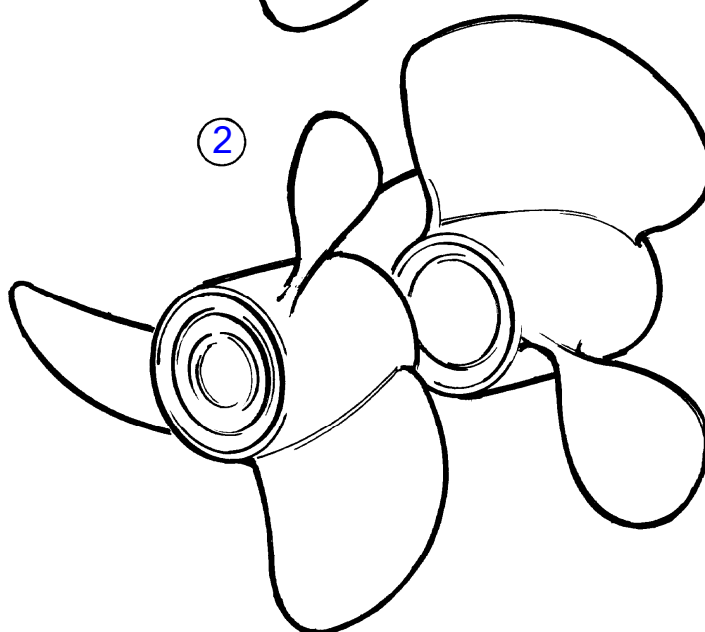
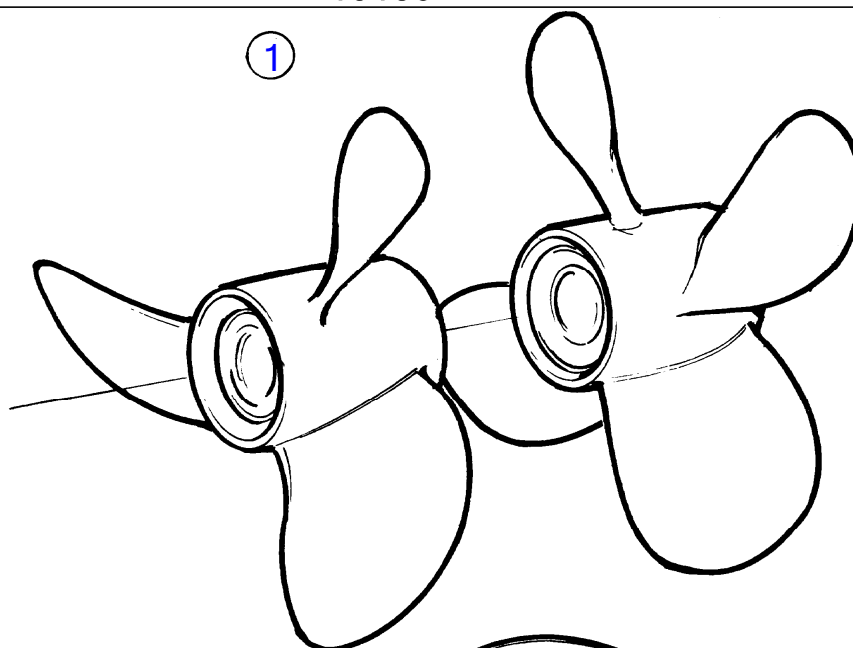
15162

Ref	Part No.	Qty	Description	Notes
1	872768	1	Lower gear	Ratio 1.95:1
	3803187	1	Lower gear, exch, exch	Ratio 1.95:1
2	3855628	1	• Gear housing	
3	854053	1	• • Bearing housing	
4	872439	1	• • Attaching plate	
5	977711	4	• • Blind rivet	
6	872438	1	• • Check valve	
7	854611	1	• Countershaft	
8	969071	1	• • Round nut	Included in gasket kit.
9	184682	1	• • Inner ring	
10	3852268	1	• • Splined sleeve	
11	852212	1	• Nut	Included in gasket kit.
12	941832	X	• Shim	TH=0.05mm
	941833	X	• Shim	TH=0,20mm
13	183374	1	• Ball bearing	
14	944970	X	• Shim	
15	11072	1	• Roller bearing	
16	944522	X	• Shim	TH=0.05mm
	42981	X	• Shim	TH=0.10mm
	968057	X	• Shim	TH=0,20mm
	42980	X	• Shim	TH=0.35mm
17	897387	1	• Clamping ring	
18	11044	1	• Roller bearing	
19	184654	1	• Needle roller bushin	
20	814482	1	• Oil pump screen	
21	852904	1	• Magnetic plug	
22	955974	1	• O-ring	Included in gasket kit.
23	872533	1	• Propeller shaft	
24	184765	1	• Roller bearing	
25	21902005	1	• Gear set	Ratio 1.95:1
26	967352	X	• Shim	TH=0.05mm
	941823	X	• Shim	TH=0,10mm
	967351	X	• Shim	TH=0.15mm
	941824	X	• Shim	TH=0.20mm
	941825	X	• Shim	TH=0.40mm
27	184691	1	• Roller bearing	
28	191834	X	• Shim	TH=0.10mm
	191835	X	• Shim	TH=0.15mm
	191837	X	• Shim	TH=0,25mm
29	925258	2	• O-ring	Included in gasket kit.
30	941812	2	• Hex. socket screw	
31	875821	1	• Zinc ring kit	
32	966808	2	• • Screw	
33	183859	1	• Needle roller bushin	
34	184683	1	• Inner ring	
35	851407	2	• Sealing ring	Included in gasket kit.
36	3858457	1	• Thrust ring	
37	183272	1	• Needle roller bearin	
38	853871	1	• Sealing ring	Included in gasket kit.
39	3851334	1	• Propeller nut	
40	3858458	1	• Thrust ring	
41	872549	1	• Spinner	
42		1	• • Spinner	
43	943194	1	• • Washer	
44	872546	1	• • Lock screw	M12
45	853676	1	• • Spacer ring	
46	854294	1	• • Plastic washer	
47	873058	1	• Tool kit	
48	925256	1	O-ring	Included in gasket kit., Included in complete drive.
49	941810	4	Hex. socket screw	Included in complete drive.
50	853095	4	Washer	Included in complete drive.
51	876138	1	Anode kit	To be used in fresh-water.
52	966808	2	• Screw	
53	876267	1	Gasket kit, Lower Gear	See group 99



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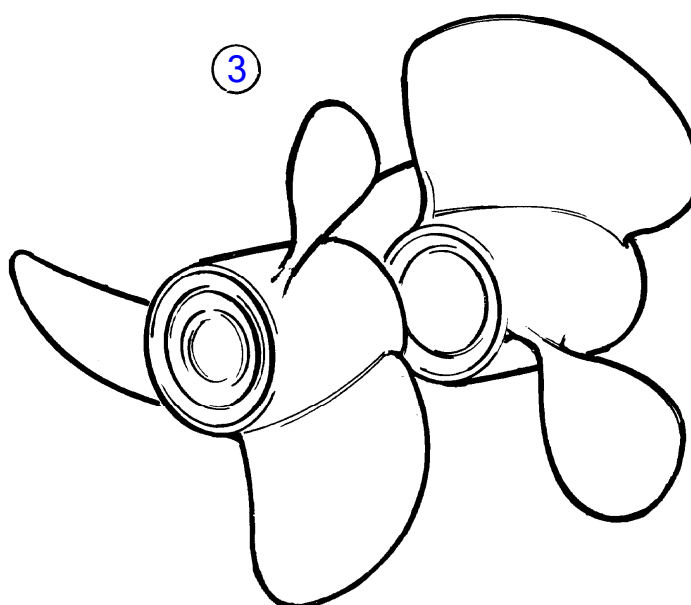
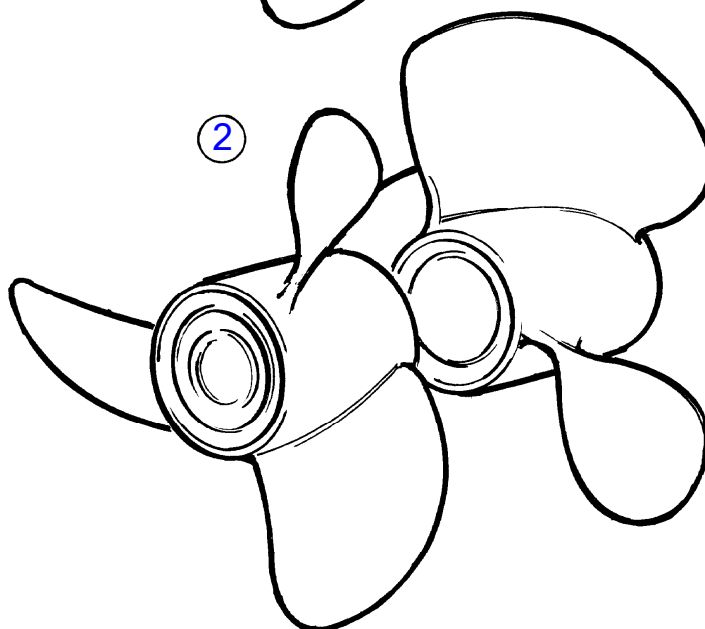
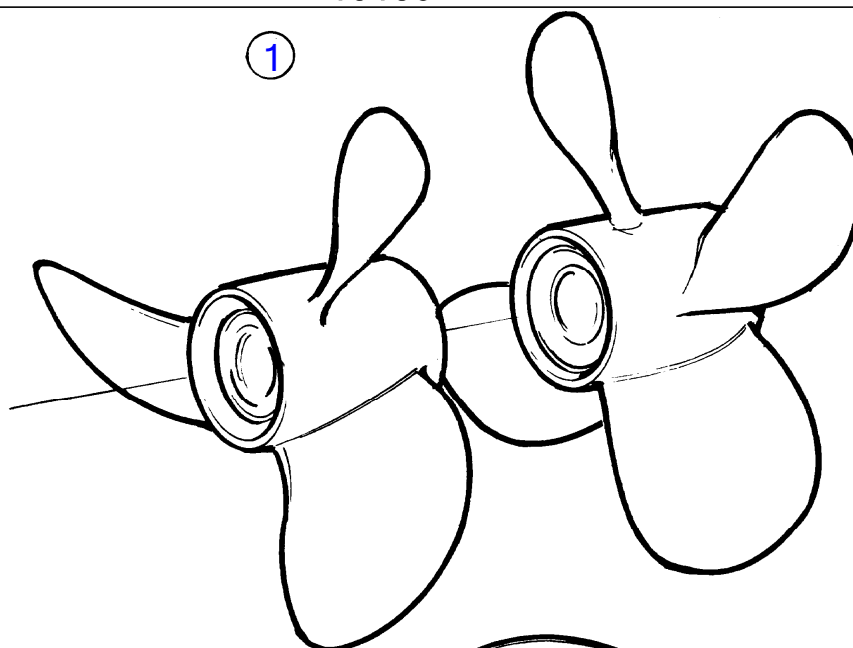
Ref	Part No.	Qty	Description	Notes
1	872767	1	Lower gear	Ratio 2.30:1
	3803186	1	Upper gear, exch, exch	Ratio 2.30:1
2	3855628	1	• Gear housing	
3	854053	1	• • Bearing housing	
4	872439	1	• • Attaching plate	
5	977711	4	• • Blind rivet	
6	872438	1	• • Check valve	
7	854611	1	• Countershaft	
8	969071	1	• • Round nut	Included in gasket kit.
9	184682	1	• • Inner ring	
10	3852268	1	• Splined sleeve	
11	852212	1	• Nut	Included in gasket kit.
12	941832	X	• Shim	TH=0.05mm
	941833	X	• Shim	TH=0,20mm
13	183374	1	• Ball bearing	
14	944970	X	• Shim	
15	11072	1	• Roller bearing	
16	944522	X	• Shim	TH=0.05mm
	42981	X	• Shim	TH=0.10mm
	968057	X	• Shim	TH=0,20mm
	42980	X	• Shim	TH=0.35mm
17	897387	1	• Clamping ring	
18	11044	1	• Roller bearing	
19	184654	1	• Needle roller bushin	
20	814482	1	• Oil pump screen	
21	852904	1	• Magnetic plug	
22	955974	1	• O-ring	Included in gasket kit.
23	872533	1	• Propeller shaft	
24	184765	1	• Roller bearing	
25	3861456	1	• Drive gear set	Ratio 2.30:1
26	967352	X	• Shim	TH=0.05mm
	941823	X	• Shim	TH=0,10mm
	967351	X	• Shim	TH=0.15mm
	941824	X	• Shim	TH=0.20mm
	941825	X	• Shim	TH=0.40mm
27	184691	1	• Roller bearing	
28	191834	X	• Shim	TH=0.10mm
	191835	X	• Shim	TH=0.15mm
	191837	X	• Shim	TH=0,25mm
29	925258	2	• O-ring	Included in gasket kit.
30	941812	2	• Hex. socket screw	
31	875821	1	• Zinc ring kit	
32	966808	2	• • Screw	
33	183859	1	• Needle roller bushin	
34	184683	1	• Inner ring	
35	851407	2	• Sealing ring	Included in gasket kit.
36	3858457	1	• Thrust ring	
37	183272	1	• Needle roller bearin	
38	853871	1	• Sealing ring	Included in gasket kit.
39	3851334	1	• Propeller nut	
40	3858458	1	• Thrust ring	
41	872549	1	• Spinner	
42		1	• • Spinner	
43	943194	1	• • Washer	
44	872546	1	• • Lock screw	M12
45	853676	1	• • Spacer ring	
46	854294	1	• • Plastic washer	
47	873058	1	• Tool kit	
48	925256	1	O-ring	Included in gasket kit., Included in complete drive.
49	941810	4	Hex. socket screw	Included in complete drive.
50	853095	4	Washer	Included in complete drive.
51	876138	1	Anode kit	
52	966808	2	• Screw	
53	876267	1	Gasket kit, Lower Gear	See group 99



44 Propeller for Duoprop Drives: A-PROPELLERS

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

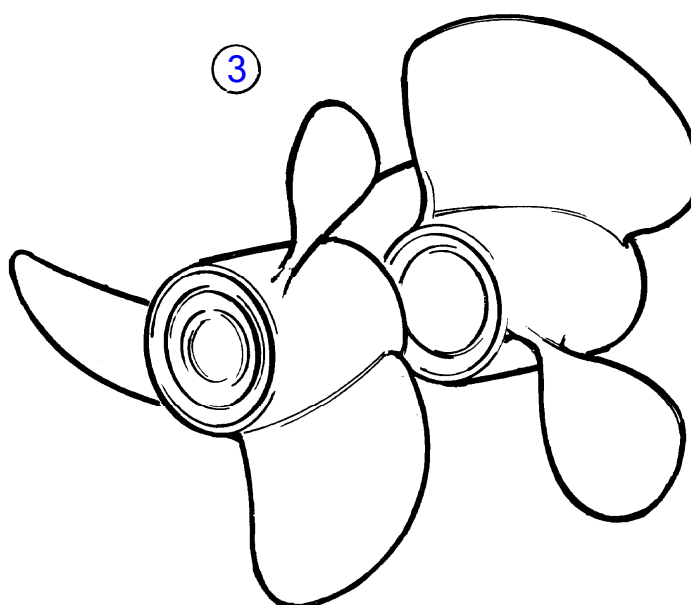
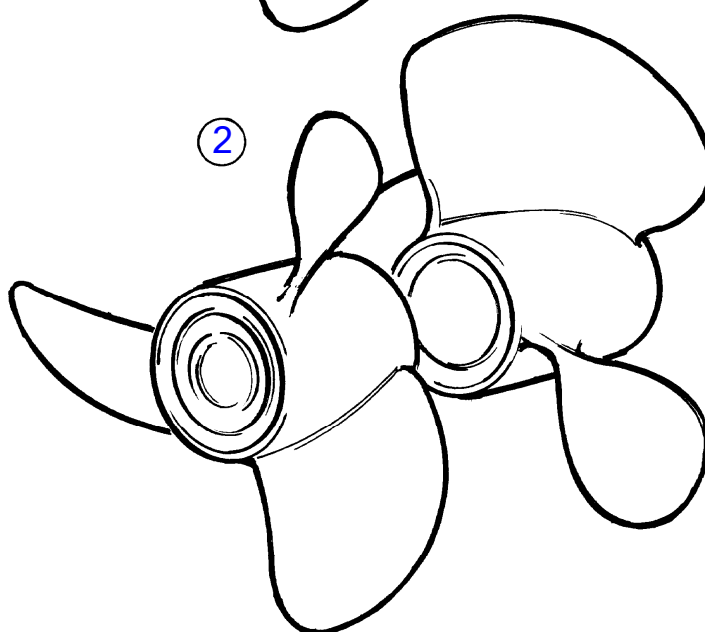
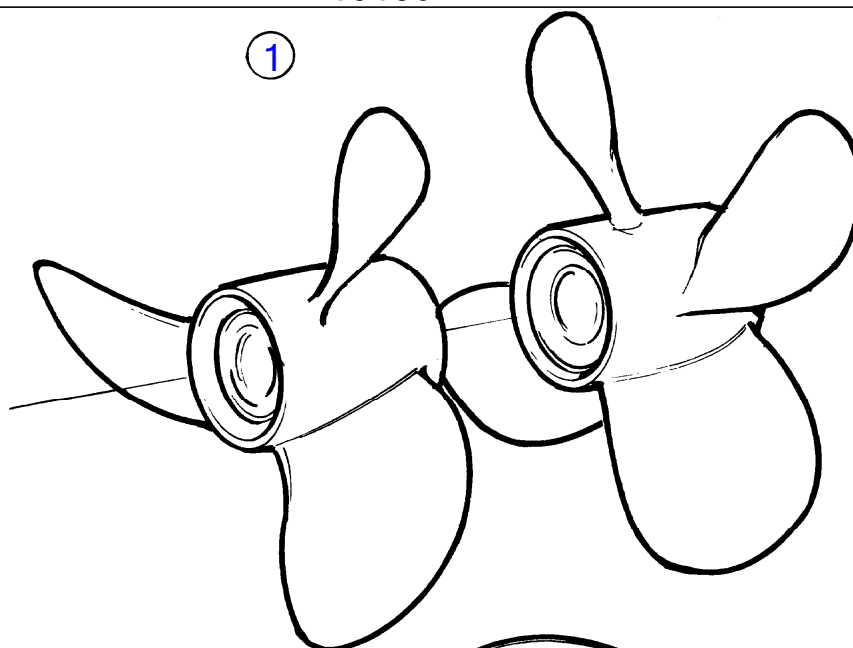
Ref	Part No.	Qty	Description	Notes
1	872270	1	Propeller • Bulletin P-44-7-1	A0 Duoprop Propellers
1	872259	1	• Propeller, front	
	872264	1	• Propeller, rear	
	854764	1	Propeller	A1 (852681)
	854774	1	• Propeller, front	(852247)
	854784	1	• Propeller, rear	(852249)
	(854765)	1	Propeller	Obsolete part, A2 (852682)
	854775	1	• Propeller, front	
	854785	1	• Propeller, rear	
	854766	1	Propeller	A3
	854776	1	• Propeller, front	
	854786	1	• Propeller, rear	
	(854767)	1	Propeller	Obsolete part, A4
	854777	1	• Propeller, front	
	854787	1	• Propeller, rear	
	854768	1	Propeller	A5
	854778	1	• Propeller, front	
	854788	1	• Propeller, rear	
	(854769)	1	Propeller	Obsolete part, A6
	854779	1	• Propeller, front	
	854789	1	• Propeller, rear	
	854770	1	Propeller	A7
	854780	1	• Propeller, front	
	854790	1	• Propeller, rear	
	(854771)	1	Propeller	Obsolete part, A8
	854781	1	• Propeller, front	
	854791	1	• Propeller, rear	
	(854772)	1	Propeller	Obsolete part, A9 (852677)
	854782	1	• Propeller, front	(852267)
	854792	1	• Propeller, rear	(852269)
	(854773)	1	Propeller	Obsolete part, A10 (852676)
	854783	1	• Propeller, front	
	854793	1	• Propeller, rear	



44 Propeller for Duoprop Drives: B-PROPELLERS

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

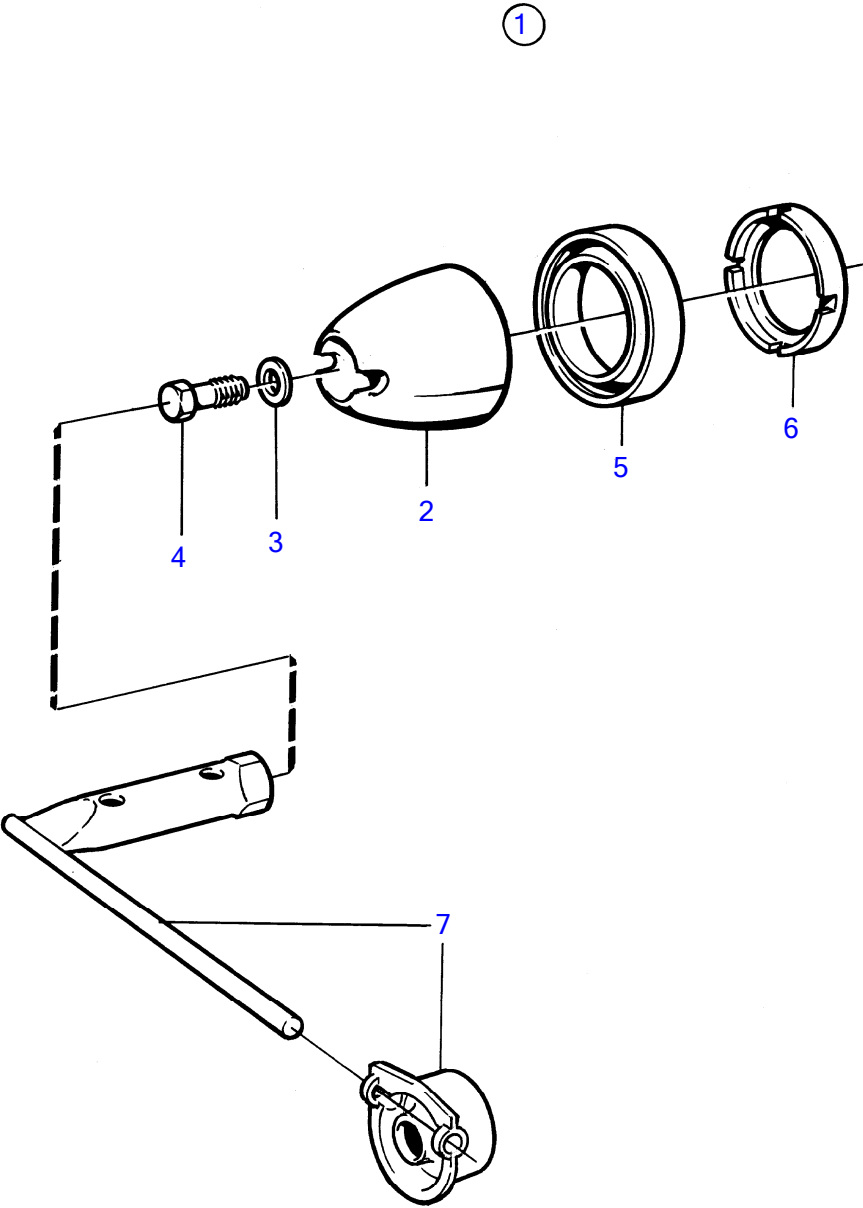
Ref	Part No.	Qty	Description	Notes
2	(854814)	1	Propeller Bulletin P-44-7-1	Obsolete part, B1 Duoprop Propellers
2	854822	1	• Propeller, front	
	854830	1	• Propeller, rear	
	(854815)	1	Propeller	Obsolete part, B2
	854823	1	• Propeller, front	
	854831	1	• Propeller, rear	
	(854816)	1	Propeller	Obsolete part, B3
	854824	1	• Propeller, front	
	854832	1	• Propeller, rear	
	(854817)	1	Propeller	Obsolete part, B4
	854825	1	• Propeller, front	
	854833	1	• Propeller, rear	
	(854818)	1	Propeller	Obsolete part, B5
	854826	1	• Propeller, front	
	854834	1	• Propeller, rear	
	(854819)	1	Propeller	Obsolete part, B6
	854827	1	• Propeller, front	
	854835	1	• Propeller, rear	
	(854820)	1	Propeller	Obsolete part, B7
	854828	1	• Propeller, front	
	854836	1	• Propeller, rear	
	(854821)	1	Propeller	Obsolete part, B8
	854829	1	• Propeller, front	
	854837	1	• Propeller, rear	



44 Propeller for Duoprop Drives: C-, E-PROPELLERS

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
3	3588224	1	Propeller	
	3857461	1	• Propeller, front	
	3851533	1	• • Bushing	(872552), (872465)
	3857465	1	• Propeller, rear	
	3851534	1	• • Bushing	(872553), (872466)
	3588225	1	Propeller	C5 (854855)
	3857462	1	• Propeller, front	
	3851533	1	• • Bushing	(872552), (872465)
	3857466	1	• Propeller, rear	(854871)
	3851534	1	• • Bushing	(872553), (872466)
	3588226	1	Propeller	C6 (854856)
	3857463	1	• Propeller, front	C6 (854868)
	3851533	1	• • Bushing	(872552), (872465)
	3857467	1	• Propeller, rear	
	3851534	1	• • Bushing	(872553), (872466)
	3588227	1	Propeller	C7 (854857)
	3857464	1	• Propeller, front	
	3851533	1	• • Bushing	(872552), (872465)
	3857468	1	• Propeller, rear	
	3851534	1	• • Bushing	(872553), (872466)
	(3860065)	1	Propeller	Obsolete part, E2
			Bulletin P-44-7-1	Duoprop Propellers
	(872422)	1	• Propeller, front	Obsolete part
	(872176)	1	• • Hub	Obsolete part
	(3860011)	1	• Propeller, rear	Obsolete part
	(872177)	1	• • Hub	Obsolete part
	3860066	1	Propeller	E3
	872423	1	• Propeller, front	
	(872176)	1	• • Hub	Obsolete part
	(3860012)	1	• Propeller, rear	Obsolete part
	(872177)	1	• • Hub	Obsolete part
	3860067	1	Propeller	E4
	(872424)	1	• Propeller, front	Obsolete part
	(872176)	1	• • Hub	Obsolete part
	(3860013)	1	• Propeller, rear	Obsolete part
	(872177)	1	• • Hub	Obsolete part

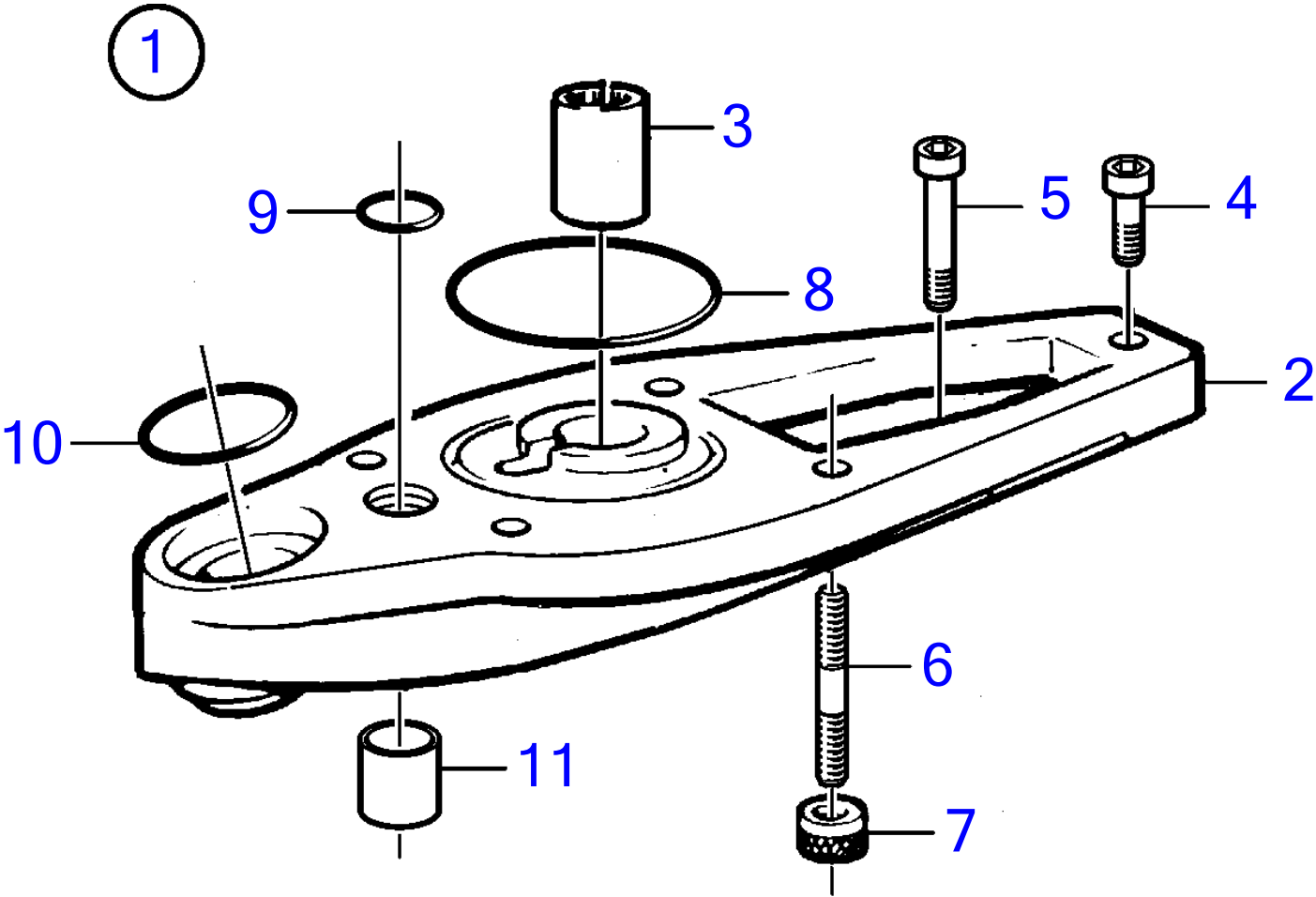


11507

44 Propeller Cone Kit, M20

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A,
TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description
1	872549	1	Spinner
2		1	• Spinner
3	943194	1	• Washer
4	872546	1	• Lock screw
5	853676	1	• Spacer ring
6	854294	1	• Plastic washer
7	873058	1	Tool kit

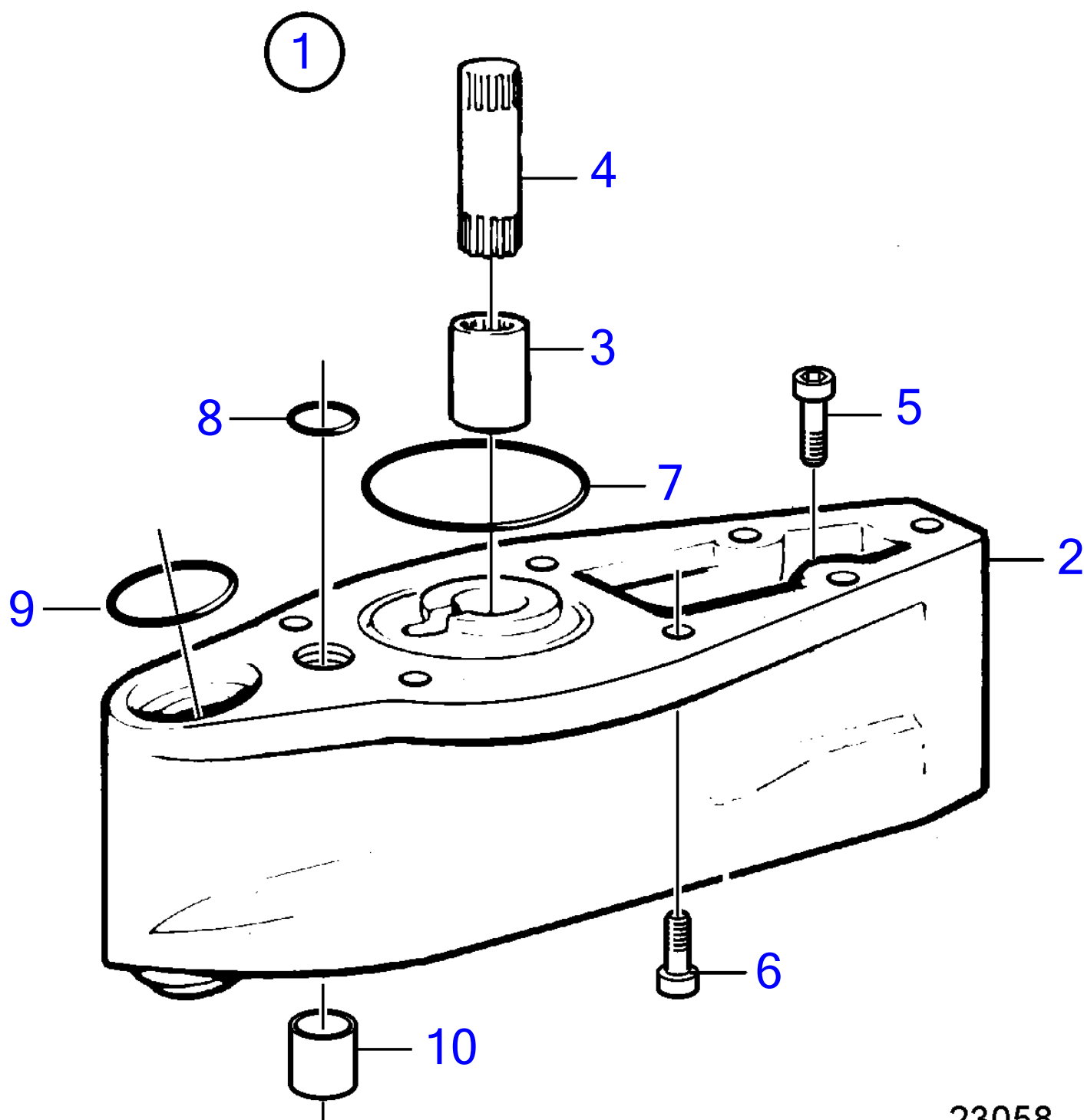


23056

44 Drive Extension, 1" (25.4mm) DP: 1' (25.4mm) DP

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A,
TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description
1	854686	1	Extension kit
2		1	• Intermediate section
3	854684	1	• Splined sleeve
4	941873	1	• Hex. socket screw
5	959448	2	• Hex. socket screw
6	943762	4	• Stud
7	832939	4	• Nut
8	925256	1	• O-ring
9	125017	1	• O-ring
10	941820	1	• O-ring
11	897823	1	• Oil pipe

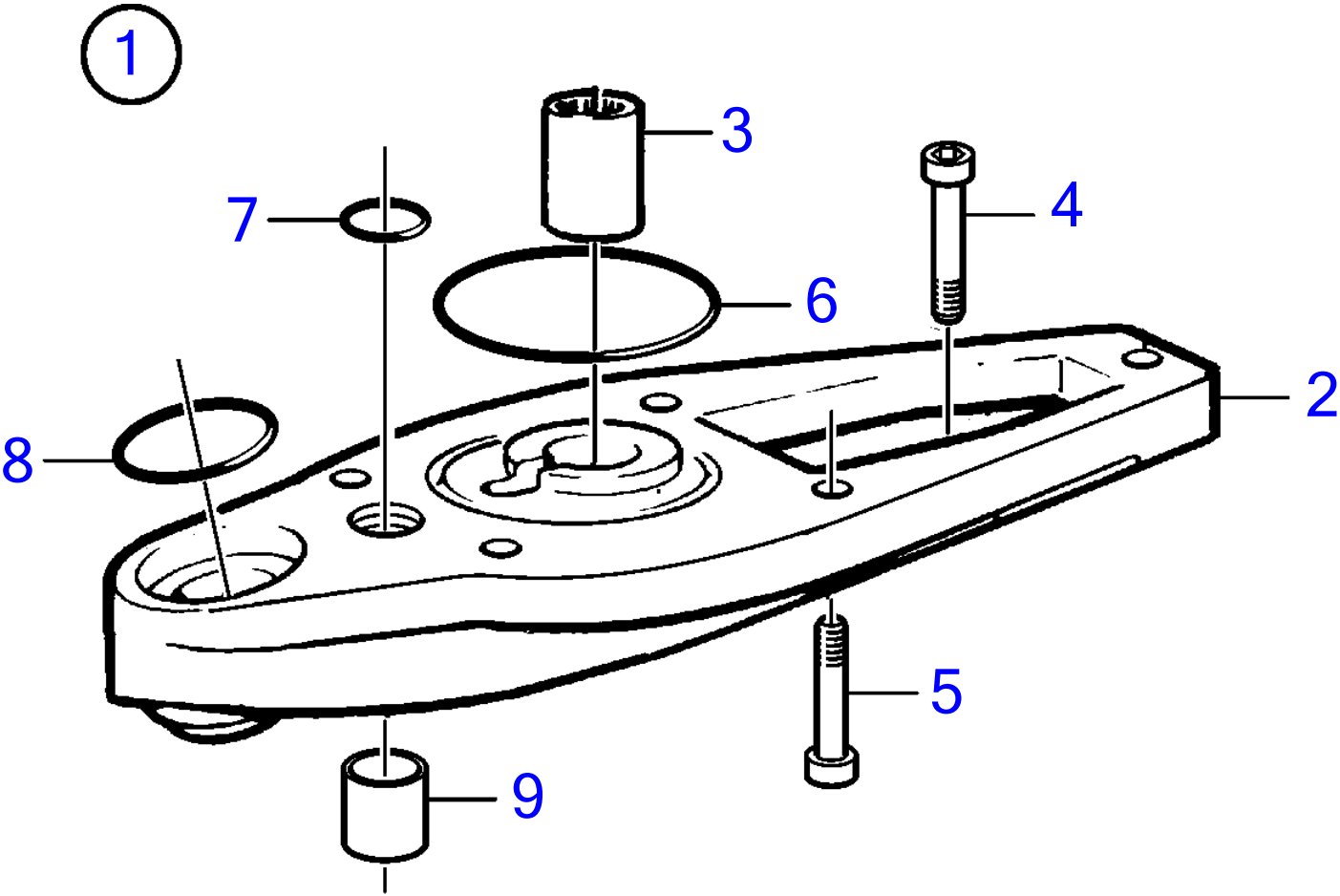


23058

44 Drive Extension, 4" (101.6mm) DP: 4' (101.6mm) DP

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A,
TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description
1	872090	1	Extension kit
2		1	• Intermediate section
3	872128	1	• Splined sleeve
4	872087	1	• Shaft
5	941809	3	• Hex. socket screw
6	941810	4	• Hex. socket screw
7	925256	1	• O-ring
8	125017	1	• O-ring
9	941820	1	• O-ring
10	897823	1	• Oil pipe

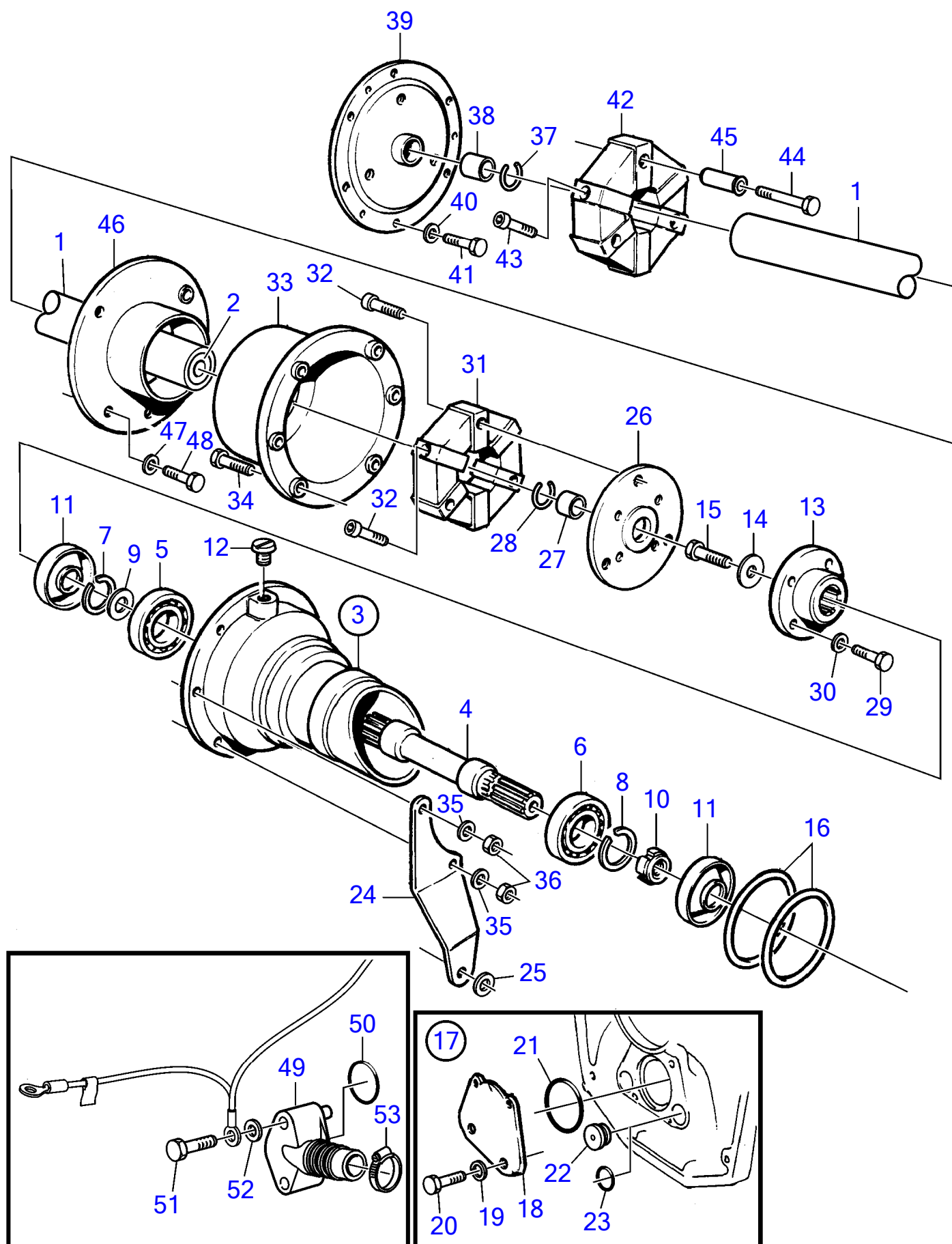


23057

44 Drive Extension, 1" (25.4MM) DPX: 1" (25.4MM) DPX

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A,
TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

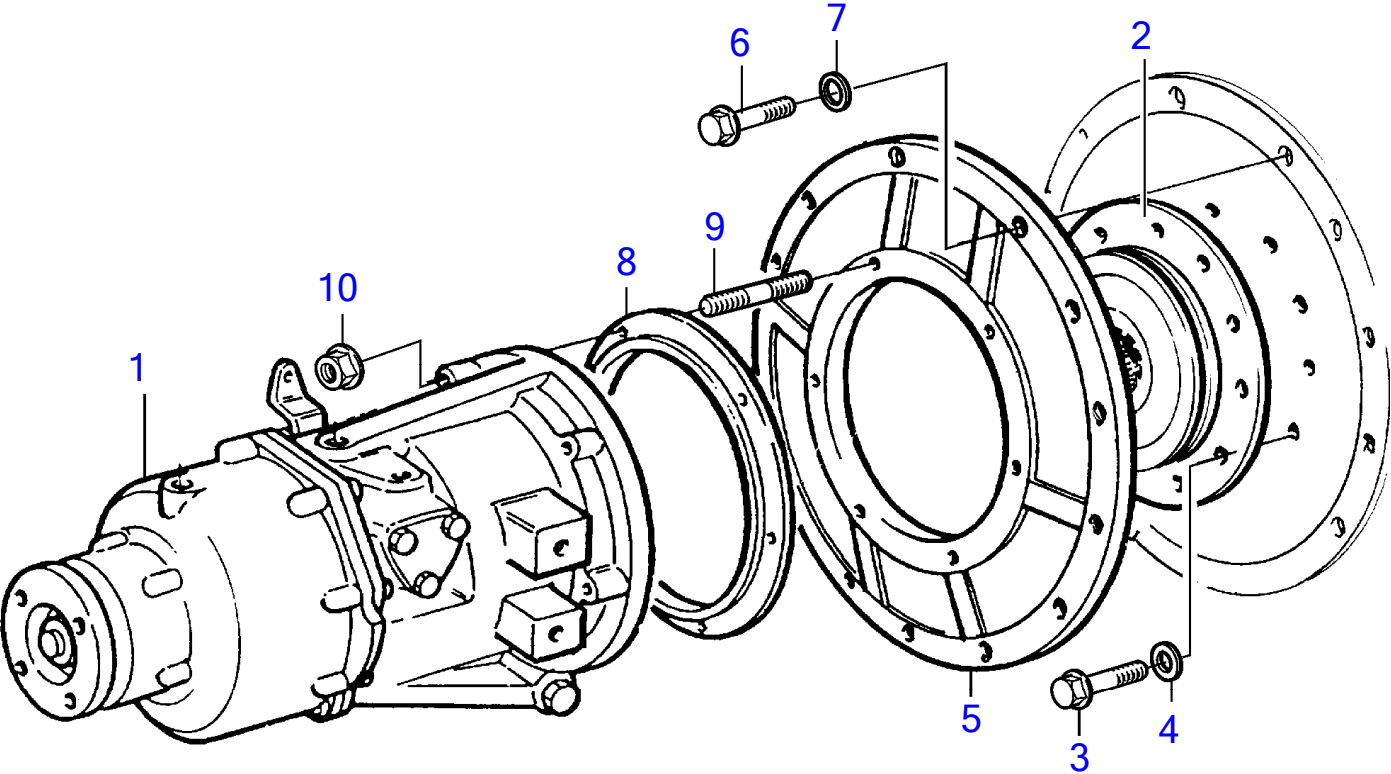
Ref	Part No.	Qty	Description	Notes
1	3858596	1	Extension kit	
2		1	• Intermediate section	
3	854684	1	• Splined sleeve	
4	959448	3	• Hex. socket screw	
5	(959461)	4	• Hex. socket screw	Obsolete part
6	925256	1	• O-ring	
7	125017	1	• O-ring	
8	941820	1	• O-ring	
9	897823	1	• Oil pipe	



44 Jack Shaft Kit

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A

Ref	Part No.	Qty	Description	Notes
1	(853944)	1	Axle shaft	L=1,1m, Obsolete part
	853850	1	Axle shaft	L=1,65m
2	853830	2	• Insert	
3	3855772	1	Intermediate housing	
4	853841	1	Spindle	
5	183647	1	Roller bearing	
6	11041	1	Roller bearing	
7	914465	1	Snap ring	
8	914533	1	Snap ring	
9	968950	1	Support washer	
10	969072	1	Round nut	
11	958860	2	Sealing ring	
12	804262	1	Plug	
13	838422	1	Clutch flange	
14	947541	1	Washer	
15	946329	1	Flange screw	
16	858464	2	Rubber ring	
17	(872238)	1	Seal flange kit	Obsolete part
18		1	• Seal flange	
19	941908	4	• Spring washer	
20	970945	4	• Hexagon screw	
21	925256	1	• O-ring	
22	814473	2	• Closure	
23	925064	2	O-ring	Alt
24	838935	1	Bracket	P
	838936	1	Bracket	SB
25	955897	22	Washer	
26	853878	1	Attaching plate	
27	853829	1	Bushing	
28	914470	1	Snap ring	
29	945996	4	Hexagon screw	
30	941909	4	Spring washer	
31	853978	1	Clutch	
32	853951	6	• Screw	
33	853838	1	Protecting screen	
34	940160	6	Hexagon screw	
35	941909	6	Spring washer	
36	940157	6	Hexagon nut	
37	914470	1	Snap ring	
38	853829	1	Bushing	
39	853876	1	Attaching plate	
40	941907	6	Spring washer	Early type
41	955297	6	Hexagon screw	Early type
	945444	6	Flange screw	Late type
42	853977	1	Clutch	
43	853951	3	• Screw	
44	853952	3	• Screw	
45	853834	3	Spacer sleeve	
46	853874	1	Protecting screen	
47	941908	4	Spring washer	Early type
48	970947	4	Hexagon screw	Early type
	946329	4	Flange screw	Late type
49	872338	1	Hose connection	
50	925064	1	O-ring	
51	955516	2	Hexagon screw	
52	955893	2	Washer	
53	961669	2	Hose clamp	

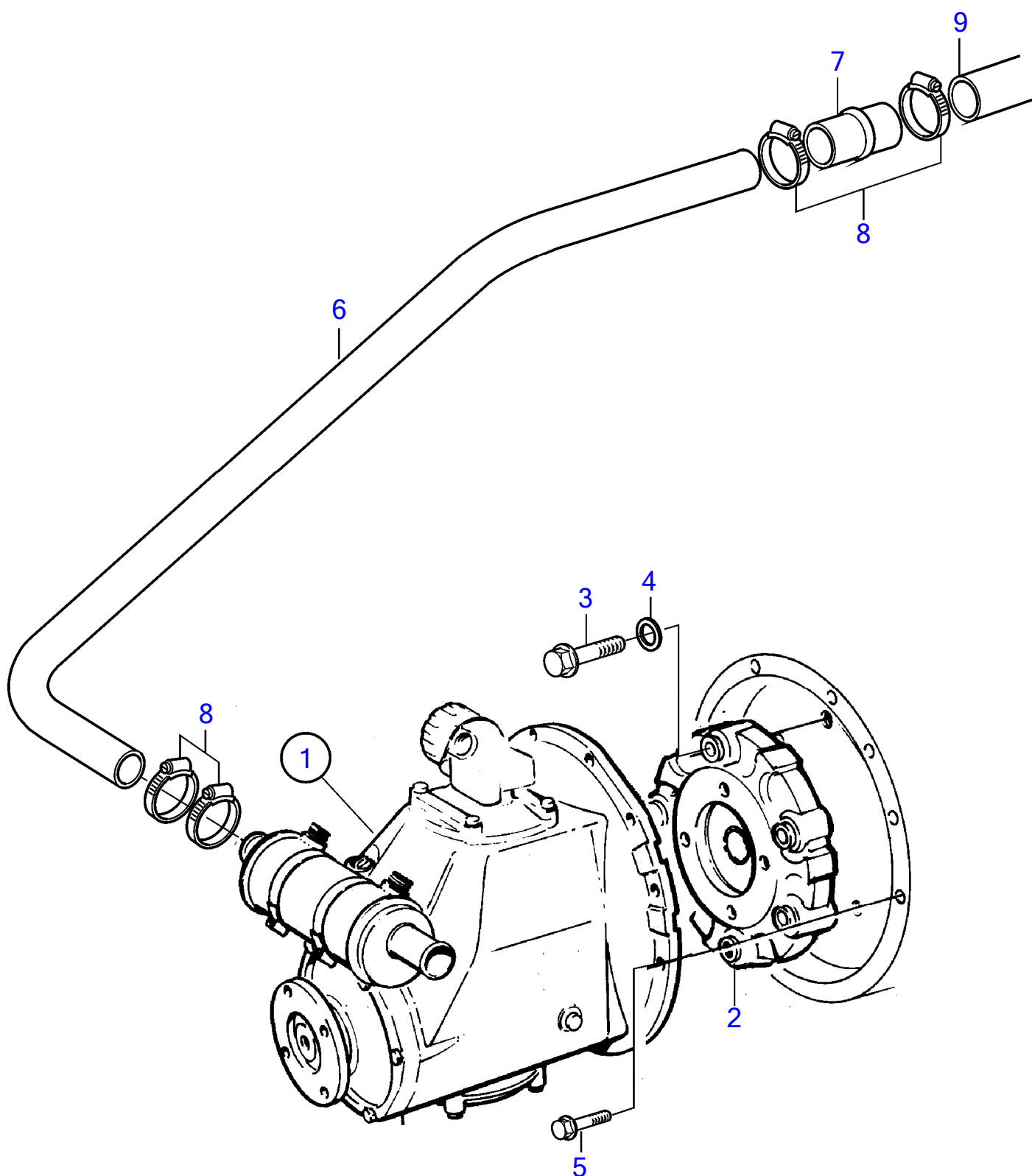


19459

44 Connecting Components for Borg Warner

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

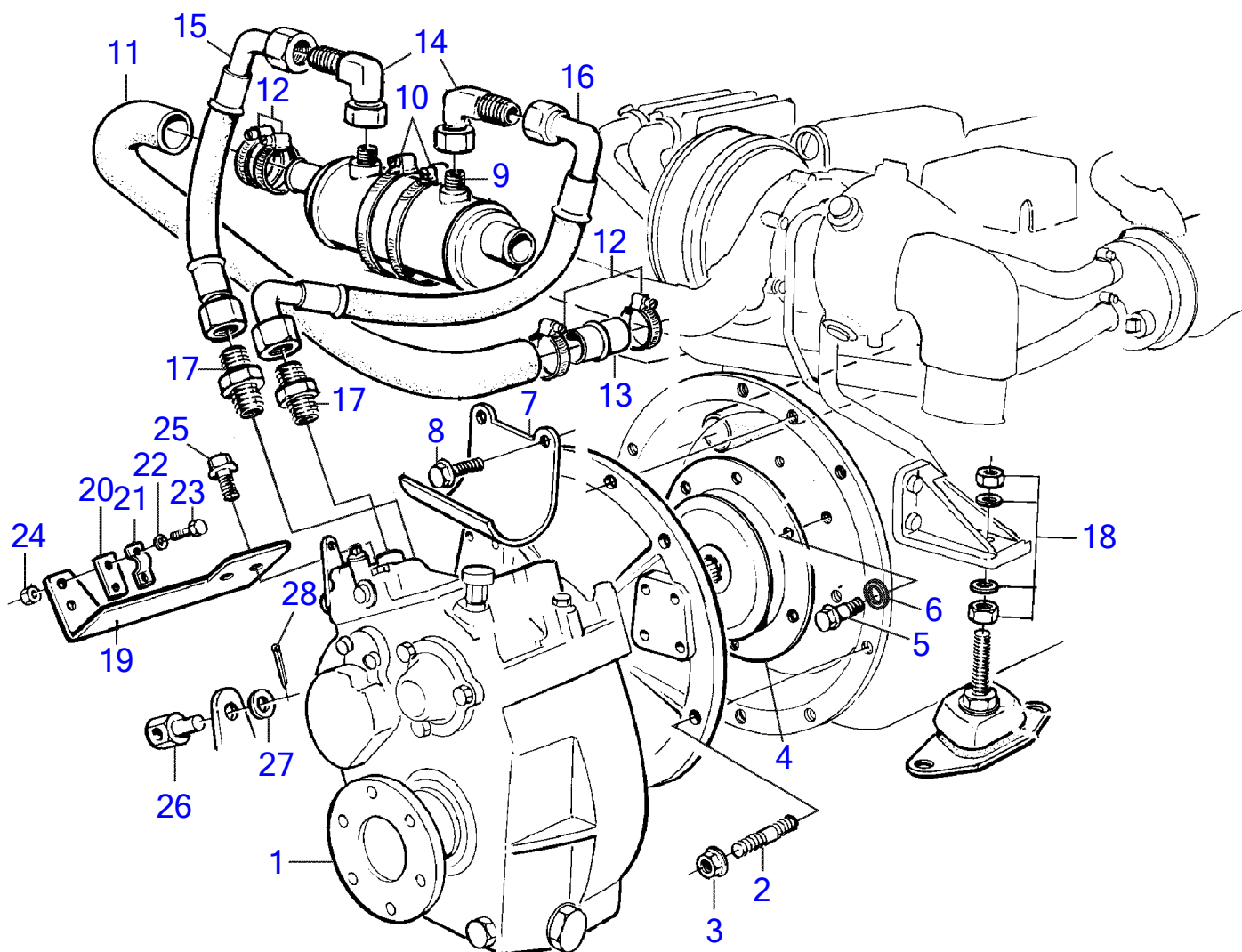
Ref	Part No.	Qty	Description	Notes
1		1	Reversing gear	
2	854753	1	Vibration damper	Replaced by 1pcs 3582751, vibration damper, 6pcs 959227, screw and 6pcs 941907, spring
	3582751	1	Vibration damper	
3	959227	6	Hex. socket screw	
4	941907	6	Spring washer	
5	829489	1	Cap	
6	946752	11	Flange screw	
7	941908	11	Spring washer	
8	859566	1	Spacer ring	
9	953084	6	Stud	
10	971095	6	Flange nut	



44 Connecting Components for HS1A

TAMD31L-A, TAMD31M-A, TAMD31P-A, TMD31L-A

Ref	Part No.	Qty	Description	Notes
1		1	Reversing gear	
2	872959	1	Vibration damper	
	3582751	1	Vibration damper	
3	959227	6	Hex. socket screw	
4	941907	6	Spring washer	
5	946752	9	Flange screw	
6	861739	1	Hose	
7	861090	1	Tube	
8	961669	4	Hose clamp	
9	861737	1	Hose	Reverse gear-sea water pump.

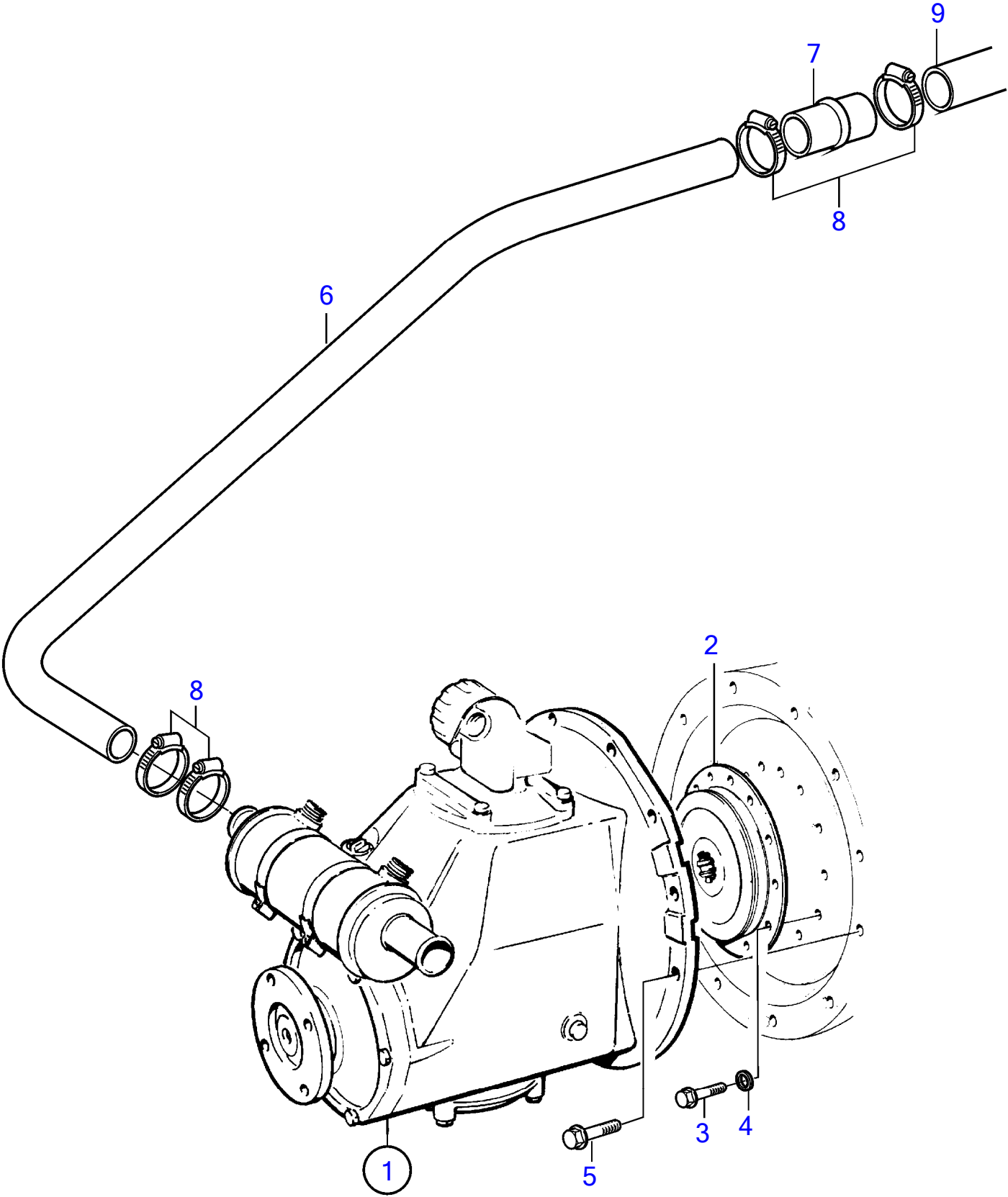


19458

44 Connecting Components for PRM 402

TAMD31M-A, TAMD41H-A, TAMD41H-B, TAMD41M-A

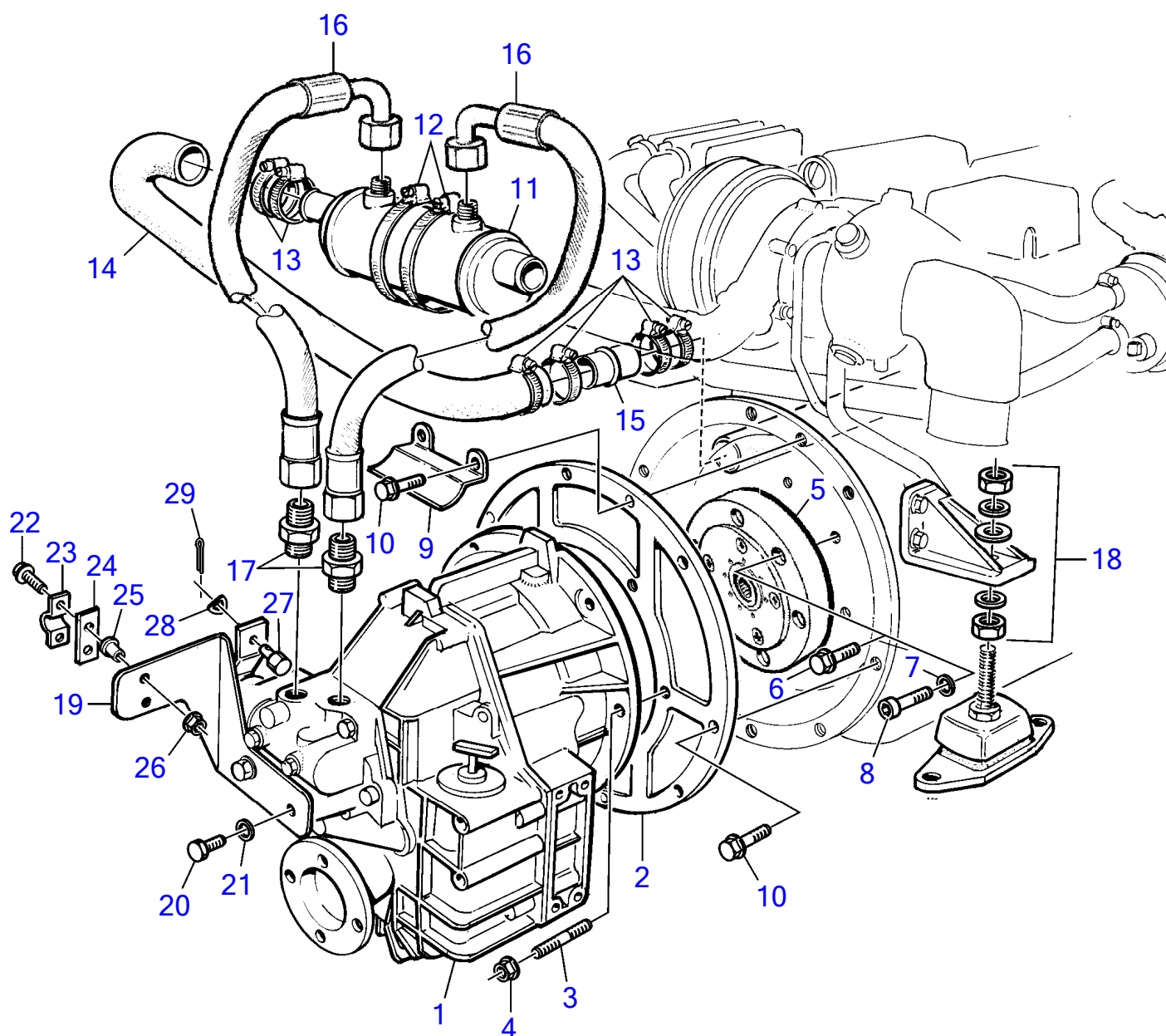
Ref	Part No.	Qty	Description	Notes
1		1	Reversing gear	
2	953067	4	Stud	
3	971095	4	Flange nut	
4	872987	1	Clutch	Replaced by 1pcs 3582752, vibration damper, 6pcs 959227, screw and 6pcs 941907, sp
	3582752	1	Oscillation damper	
5	959227	6	Hex. socket screw	
6	941907	6	Spring washer	
7	859592	1	Bracket	
8	946752	5	Flange screw	
9	872626	1	Oil cooler	
10	961674	2	Hose clamp	
11	861739	1	Hose	
12	961669	4	Hose clamp	
13	861090	1	Tube	
14	946369	2	Elbow nipple	
15	872637	1	Hose	
16	872638	1	Hose	
17	856793	2	Nipple	
18		4	Engine suspension	See group 21
19	858366	1	Bracket	
20	819068	1	Washer	
21	21471054	1	Bracket	
22	940090	2	Washer	
23	969407	2	6 point socket screw	
24	949874	2	Flange lock nut	
25		2	Screw	
26	3841580	1	Cube	
27	955893	1	Washer	
28	17276	1	Cotter pin	



44 Connecting Components for HS1A

TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41M-A, TMD41L-A

Ref	Part No.	Qty	Description	Notes
1		1	Reversing gear	Ratio 1.96:1
		1	Reversing Gear	Ratio 2.62:1
2	854753	1	Vibration damper	Replaced by 1pcs 3582751, vibration damper, 6pcs 959227, screw and 6pcs 941907, spring
	3582751	1	Vibration damper	Also used together with HS45
3	959227	6	Hex. socket screw	
4	941907	6	Spring washer	
5	946752	9	Flange screw	
6	861739	1	Hose	
7	861090	1	Tube	
8	961669	4	Hose clamp	
9	861738	1	Hose	Reverse gear-sea water pump.

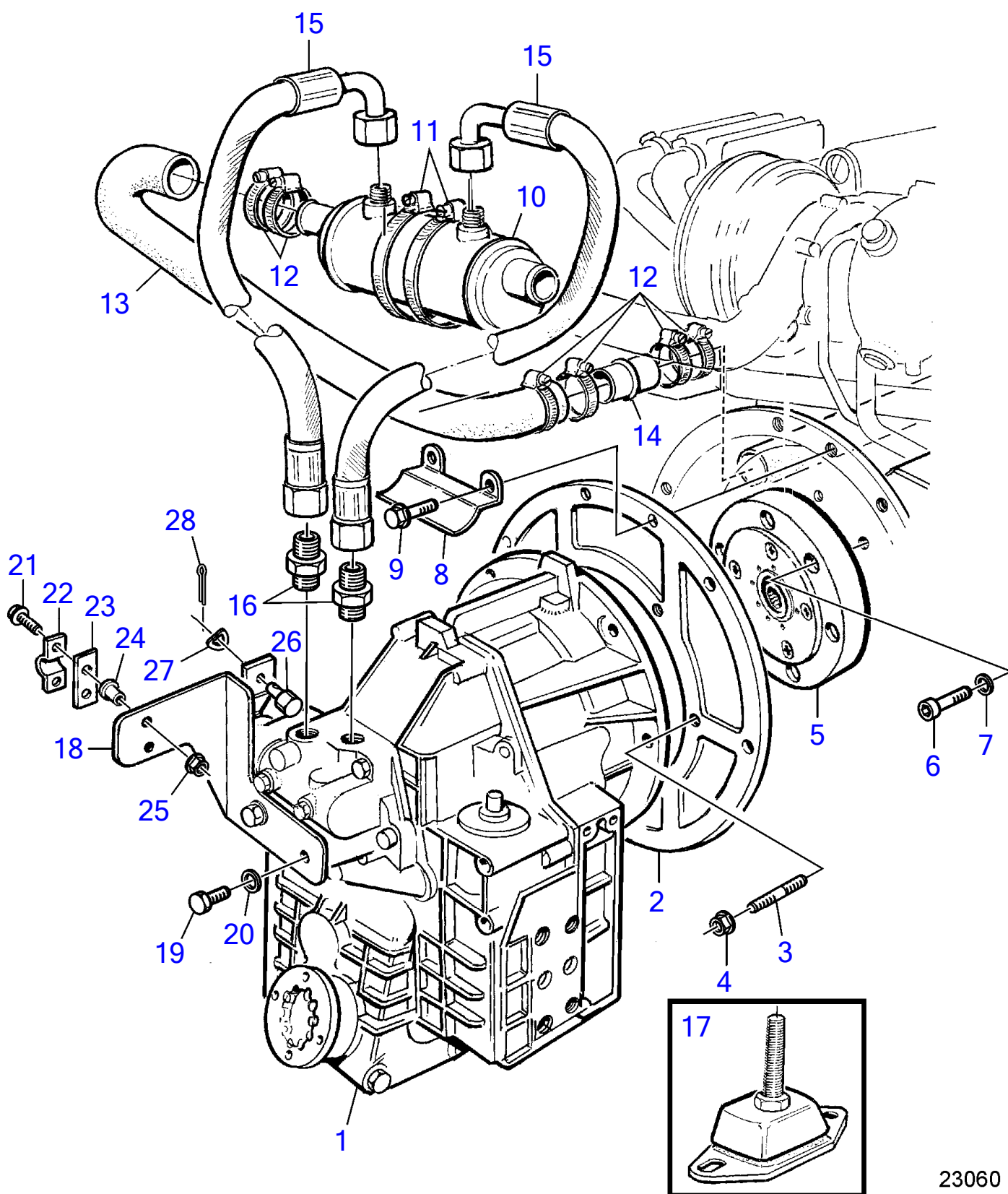


23050

44 Connecting Components for HS63A

TAMD41H-A, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

Ref	Part No.	Qty	Description	Notes
1		1	Reversing gear	
2	829489	1	Cap	
3	924075	6	Stud	
4	971095	6	Flange nut	
5	854753	1	Vibration damper	Replaced by 1pcs 3582751, vibration damper, 6pcs 959227, screw and 6pcs 941907,
	3582751		Vibration damper	Late type
6	946173	9	Flange screw	
7	941907	6	Spring washer	Late type
8	959227	6	Hex. socket screw	Late type
9	859592	1	Bracket	
10	946752	11	Flange screw	
11	872626	1	Oil cooler	
12	961674	2	Hose clamp	
13	961669	6	Hose clamp	
14	(3581335)	1	Hose	Obsolete part
15	861090	1	Tube	
16	3581387	2	Hydraulic hose	
17	856793	2	Nipple	
18		4	Engine suspension	See group 21
19	3581336	1	Bracket	
20	940133	2	Hexagon screw	
21	976945	2	Washer	
22	956081	2	Cross recessed screw	
23	21471054	1	Bracket	
24	819068	1	Washer	
25	843108	2	Bushing	
26	949874	2	Flange lock nut	
27	3852329	1	Cube	
28	941906	1	Spring washer	
29	17276	1	Cotter pin	

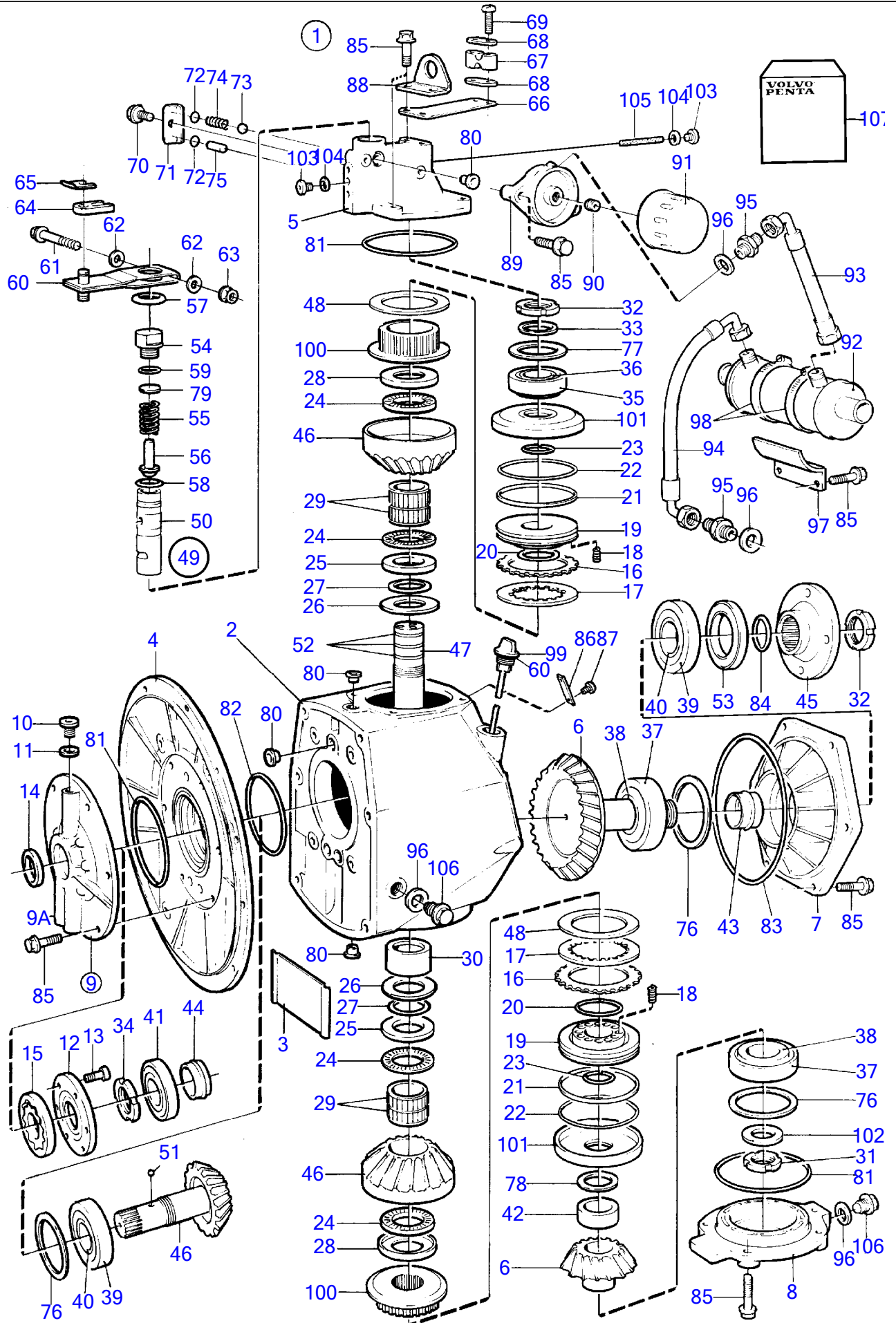


23060

44 Connecting Components for HS63V

TAMD41H-A, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

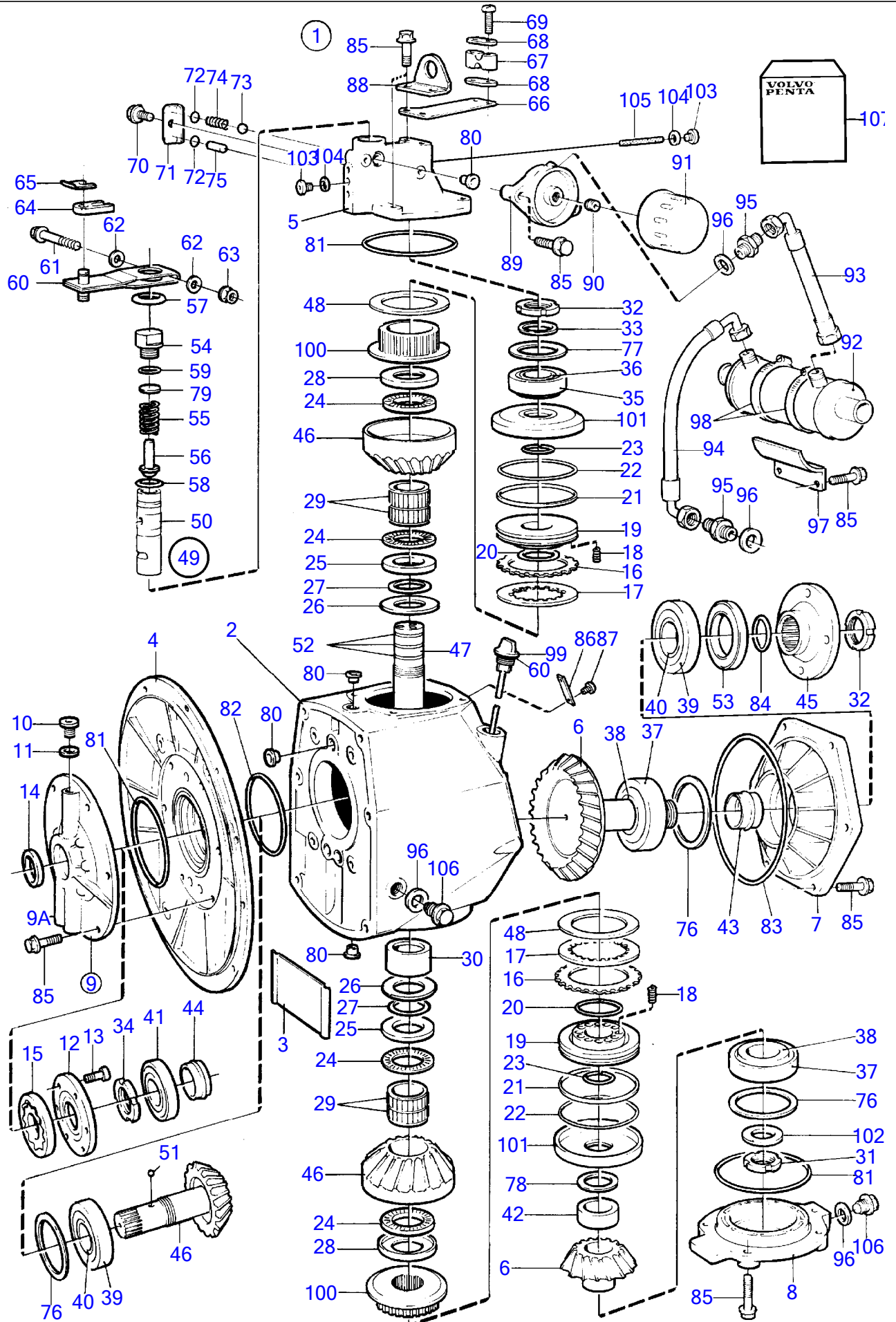
Ref	Part No.	Qty	Description	Notes
1		1	Reversing gear	
2	829489	1	Cap	
3	924075	6	Stud	
4	971095	6	Flange nut	
5	3582751	1	Vibration damper	(3857442)
6	959227	6	Hex. socket screw	
7	941907	6	Spring washer	
8	859592	1	Bracket	
9	946752	11	Flange screw	
10	872626	1	Oil cooler	
11	943481	2	Hose clamp	
12	961669	6	Hose clamp	
13	(3581335)	1	Hose	Obsolete part
14	861090	1	Tube	
15	3581387	2	Hydraulic hose	
16	856793	2	Nipple	
17		4	Engine suspension	See group 21
18	3581336	1	Bracket	
19	940133	2	Hexagon screw	
20	976945	2	Washer	
21	956081	2	Cross recessed screw	
22	21471054	1	Bracket	
23	819068	1	Washer	
24	843108	2	Bushing	
25	949874	2	Flange lock nut	(946577)
26	3852329	1	Cube	(804312)
27	941906	1	Spring washer	
28	17276	1	Cotter pin	



		HS1A		
Ref	Part No.	Qty	Description	Notes
1	873171	1	Transmission	Ratio 1.96:1
	3803501	1	Lower gear, exch, exch	Ratio 1.96:1
2	(872500)	1	• Gear housing	Obsolete part
3	872574	1	• Shield	
4	872501	1	• Cap	
5	872725	1	• Valve housing	
6	(872510)	1	• Drive gear set	Obsolete part
7	872505	1	• Bearing housing	
8	872506	1	• Bearing housing	
9	3851512	1	• Oil pump	
9A		1	• • Oil pump housing	
10	945065	3	• • Plug	
11	969011	3	• • Gasket	
12		1	• • Lock	
13	942001	6	• • Hex. socket screw	
14	6842273	1	• • Lip seal	Included in gasket kit.
15		1	• • Pump element	
16		14	• Disc	Included in disc kit.
17		16	• Disc	Included in disc kit.
18	872580	26	• Spring	
19	3861194	2	• Piston	
20	977891	2	• O-ring	Included in gasket kit., Included in piston ring kit.
21		2	• Piston ring	Included in piston ring kit.
22		2	• O-ring	Included in piston ring kit.
23	872522	2	• Lock ring	
24	184175	4	• Needle roller assemb	
25	184239	2	• Raceway washer	
26	872581	2	• Spring washer	
27	956000	2	• O-ring	Included in gasket kit.
28	872570	2	• Thrust washer	
29	184798	4	• Needle roller assemb	
30	872587	1	• Roller bearing	
31	969072	1	• Round nut	Included in gasket kit.
32	969073	2	• Round nut	Included in gasket kit.
33	872520	1	• Washer	
34	969074	1	• Round nut	Included in gasket kit.
35	181304	1	• Cup	
36	181303	1	• Inner ring	
37	183403	2	• Cup	
38	183649	2	• Inner ring	
39	181036	2	• Cup	
40	184797	2	• Inner ring	
41	183232	1	• Roller bearing	
42	872521	1	• Spacer sleeve	
43	872568	1	• Pretensioning sleeve	
44	872569	1	• Pretensioning sleeve	
45	872523	1	• Flange	
46	(872507)	1	• Drive gear set	Obsolete part
47	(872515)	1	• Shaft	Obsolete part
48	872794	2	• Disc spring	
49	872524	1	• Valve	
50		1	• Valve	
51	1521240	1	• Ball	
52		3	• Piston ring	Included in piston ring kit.
53	872701	1	• Sealing ring	Included in gasket kit.
54	872525	1	• Housing	
55	872585	1	• Spring	
56	(873519)	1	• Service kit	Obsolete part
57	872567	1	• Cap	
58	977890	1	• O-ring	Included in gasket kit.
59	925058	2	• O-ring	Included in gasket kit.
60	872526	1	• Intermediate lever	
61	955252	1	• Hexagon screw	
62	940090	2	• Washer	
63	963104	1	• Lock nut	
64	872075	1	• Anchorage	
65	(873265)	1	• E-circlip	Obsolete part
66	872528	1	• Bracket	
67	872074	1	• Retainer	
68	872076	2	• Washer	

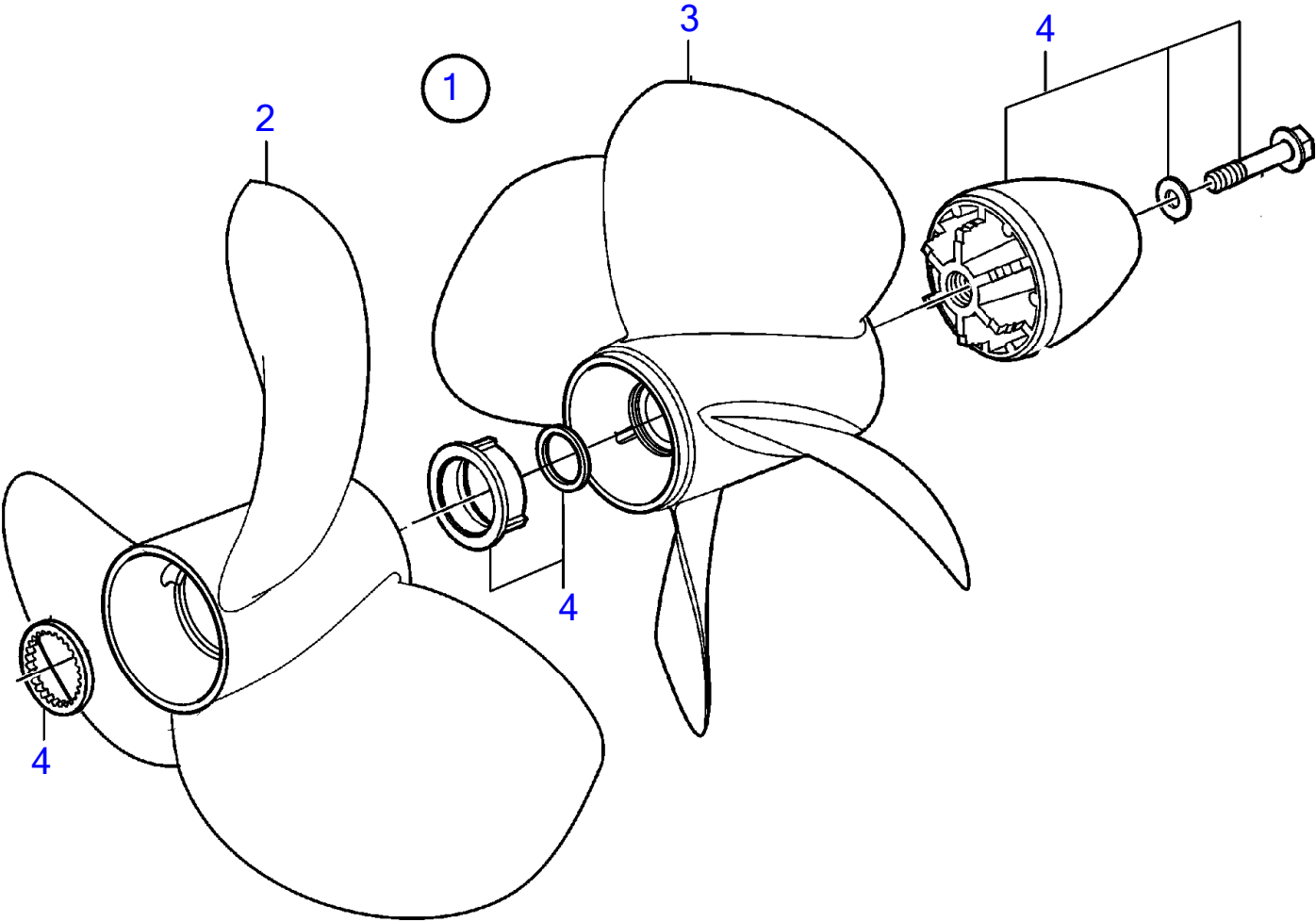
44 Reverse Gear HS1A: Ratio 1.96

Ref	Part No.	Qty	Description	Notes
69	956083	2	• Cross recessed screw	
70	967949	1	• Flange screw	
71	872529	1	• Cap	
72	955983	2	• O-ring	Included in gasket kit.
73	183801	1	• Ball	
74	872586	1	• Spring	
75	184796	1	• Needle roller	
76	977913	X	• Shim	TH=0.10mm
	977914	X	• Shim	TH=0.15mm
	977915	X	• Shim	TH=0.35mm
77	977910	X	• Shim	TH=0.10mm
	977911	X	• Shim	TH=0.15mm
	977912	X	• Shim	TH=0.35mm
78	978912	X	• Shim	TH=0,30mm
	(977909)	X	• Shim	Obsolete part, TH=0.35mm
	978913	X	• Shim	TH=0,40mm
	978914	X	• Shim	TH=0,45mm
	978915	X	• Shim	TH=0,50mm
	978916	X	• Shim	TH=0,55mm
79	978917	X	• Shim	TH=0,50mm
80	422413	11	• Sealing ring	Included in gasket kit.
81	925263	3	• O-ring	Included in gasket kit.
82	925260	1	• O-ring	Included in gasket kit.
83	948866	1	• O-ring	Included in gasket kit.
84	949659	1	• O-ring	Included in gasket kit.
85	947760	28	• Flange screw	
86		1	• Sign	
87	950885	2	• Drive screw	
88		1	• Lifting eye	
89	872605	1	• Bracket	
90	840274	1	• Nipple	
91	834337	1	• Oil filter	
			• Bulletin P-18-3-8	Return/Scrap of Oil Filter
92	872626	1	• Oil cooler	
93	872637	1	• Hose	
94	872638	1	• Hose	
95	192639	2	• Nipple	
96	947624	4	• Gasket	Included in gasket kit.
97	872615	1	• Bracket	
98	961674	2	• Hose clamp	
99	3858156	1	• Dipstick	
100	(872608)	2	• Hub	Obsolete part
101	872611	2	• Cylinder	
102	978906	1	• Support washer	
103	977917	3	• Plug	
104	947620	3	• Gasket	Included in gasket kit.
105	872577	1	• Oil pump screen	
106	1381498	2	• Plug	
107	876588	1	Gasket kit	See group 99
	3885079	1	Disc kit	2pcs disc kit needed, See group 99
	876589	1	Piston kit	See group 99



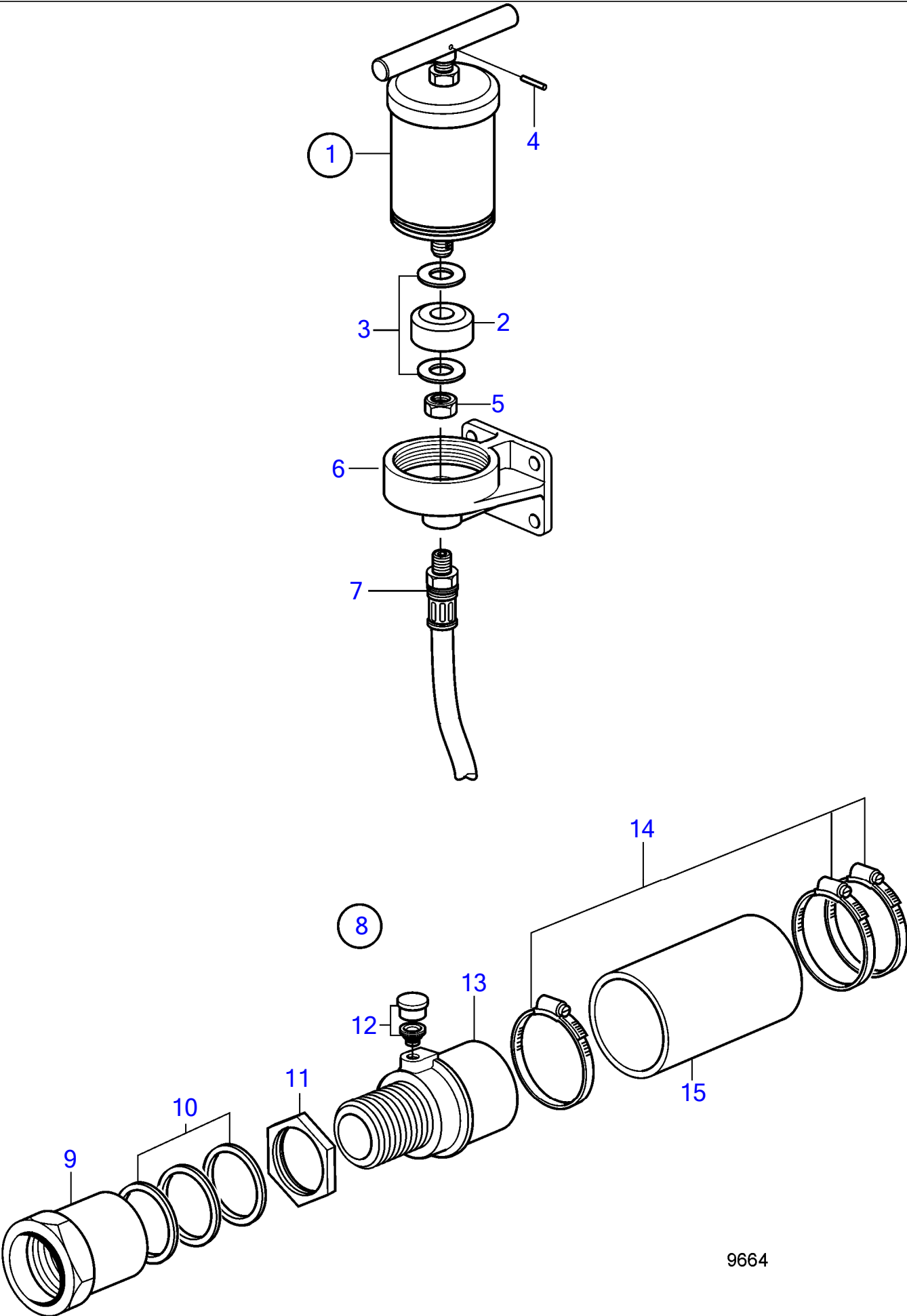
		HS1A		
Ref	Part No.	Qty	Description	Notes
1	873172	1	Transmission	Ratio 2.62:1
	3803508	1	Lower gear, exch, exch	Ratio 2.62:1
2	(872500)	1	• Gear housing	Obsolete part
3	872574	1	• Shield	
4	872501	1	• Cap	
5	872725	1	• Valve housing	
6	(872534)	1	• Drive gear set	Obsolete part
7	872505	1	• Bearing housing	
8	872506	1	• Bearing housing	
9	3851512	1	• Oil pump	
9A		1	• • Oil pump housing	
10	945065	3	• • Plug	
11	969011	3	• • Gasket	
12		1	• • Lock	
13	942001	6	• • Hex. socket screw	
14	6842273	1	• • Lip seal	Included in gasket kit.
15		1	• • Pump element	
16		14	• Disc	Included in disc kit.
17		16	• Disc	Included in disc kit.
18	872580	26	• Spring	
19	3861194	2	• Piston	
20	977891	2	• O-ring	Included in gasket kit., Included in piston ring kit.
21		2	• Piston ring	Included in piston ring kit.
22		2	• O-ring	Included in piston ring kit.
23	872522	2	• Lock ring	
24	184175	4	• Needle roller assemb	
25	184239	2	• Raceway washer	
26	872581	2	• Spring washer	
27	956000	2	• O-ring	Included in gasket kit.
28	872570	2	• Thrust washer	
29	184798	4	• Needle roller assemb	
30	872587	1	• Roller bearing	
31	969072	1	• Round nut	Included in gasket kit.
32	969073	2	• Round nut	Included in gasket kit.
33	872520	1	• Washer	
34	969074	1	• Round nut	Included in gasket kit.
35	181304	1	• Cup	
36	181303	1	• Inner ring	
37	183403	2	• Cup	
38	183649	2	• Inner ring	
39	181036	2	• Cup	
40	184797	2	• Inner ring	
41	183232	1	• Roller bearing	
42	872521	1	• Spacer sleeve	
43	872568	1	• Pretensioning sleeve	
44	872569	1	• Pretensioning sleeve	
45	872523	1	• Flange	
46	(872507)	1	• Drive gear set	Obsolete part
47	(872515)	1	• Shaft	Obsolete part
48	872794	2	• Disc spring	
49	872524	1	• Valve	
50		1	• Valve	
51	1521240	1	• Ball	
52		3	• Piston ring	Included in piston ring kit.
53	872701	1	• Sealing ring	Included in gasket kit.
54	872525	1	• Housing	
55	872585	1	• Spring	
56	(873519)	1	• Service kit	Obsolete part
57	872567	1	• Cap	
58	977890	1	• O-ring	Included in gasket kit.
59	925058	2	• O-ring	Included in gasket kit.
60	872526	1	• Intermediate lever	
61	955252	1	• Hexagon screw	
62	940090	2	• Washer	
63	963104	1	• Lock nut	
64	872075	1	• Anchorage	
65	(873265)	1	• E-circlip	Obsolete part
66	872528	1	• Bracket	
67	872074	1	• Retainer	
68	872076	2	• Washer	

Ref	Part No.	Qty	Description	Notes
69	956083	2	• Cross recessed screw	
70	967949	1	• Flange screw	
71	872529	1	• Cap	
72	955983	2	• O-ring	Included in gasket kit.
73	183801	1	• Ball	
74	872586	1	• Spring	
75	184796	1	• Needle roller	
76	977913	X	• Shim	TH=0.10mm
	977914	X	• Shim	TH=0.15mm
	977915	X	• Shim	TH=0.35mm
77	977910	X	• Shim	TH=0.10mm
	977911	X	• Shim	TH=0.15mm
	977912	X	• Shim	TH=0.35mm
78	978912	X	• Shim	TH=0,30mm
	(977909)	X	• Shim	Obsolete part, TH=0.35mm
	978913	X	• Shim	TH=0,40mm
	978914	X	• Shim	TH=0,45mm
	978915	X	• Shim	TH=0,50mm
	978916	X	• Shim	TH=0,55mm
79	978917	X	• Shim	TH=0,50mm
80	422413	11	• Sealing ring	Included in gasket kit.
81	925263	3	• O-ring	Included in gasket kit.
82	925260	1	• O-ring	Included in gasket kit.
83	948866	1	• O-ring	Included in gasket kit.
84	949659	1	• O-ring	Included in gasket kit.
85	947760	28	• Flange screw	
86		1	• Sign	
87	950885	2	• Drive screw	
88		1	• Lifting eye	
89	872605	1	• Bracket	
90	840274	1	• Nipple	
91	834337	1	• Oil filter	
			Bulletin P-18-3-8	Return/Scrap of Oil Filter
92	872626	1	• Oil cooler	
93	872637	1	• Hose	
94	872638	1	• Hose	
95	192639	2	• Nipple	
96	947624	4	• Gasket	Included in gasket kit.
97	872615	1	• Bracket	
98	961674	2	• Hose clamp	
99	3858156	1	• Dipstick	
100	(872608)	2	• Hub	Obsolete part
101	872611	2	• Cylinder	
102	978906	1	• Support washer	
103	977917	3	• Plug	
104	947620	3	• Gasket	Included in gasket kit.
105	872577	1	• Oil pump screen	
106	1381498	2	• Plug	
107	876588	1	Gasket kit	See group 99
	3885079	1	Disc kit	2pcs disc kit needed, See group 99
	876589	1	Piston kit	See group 99



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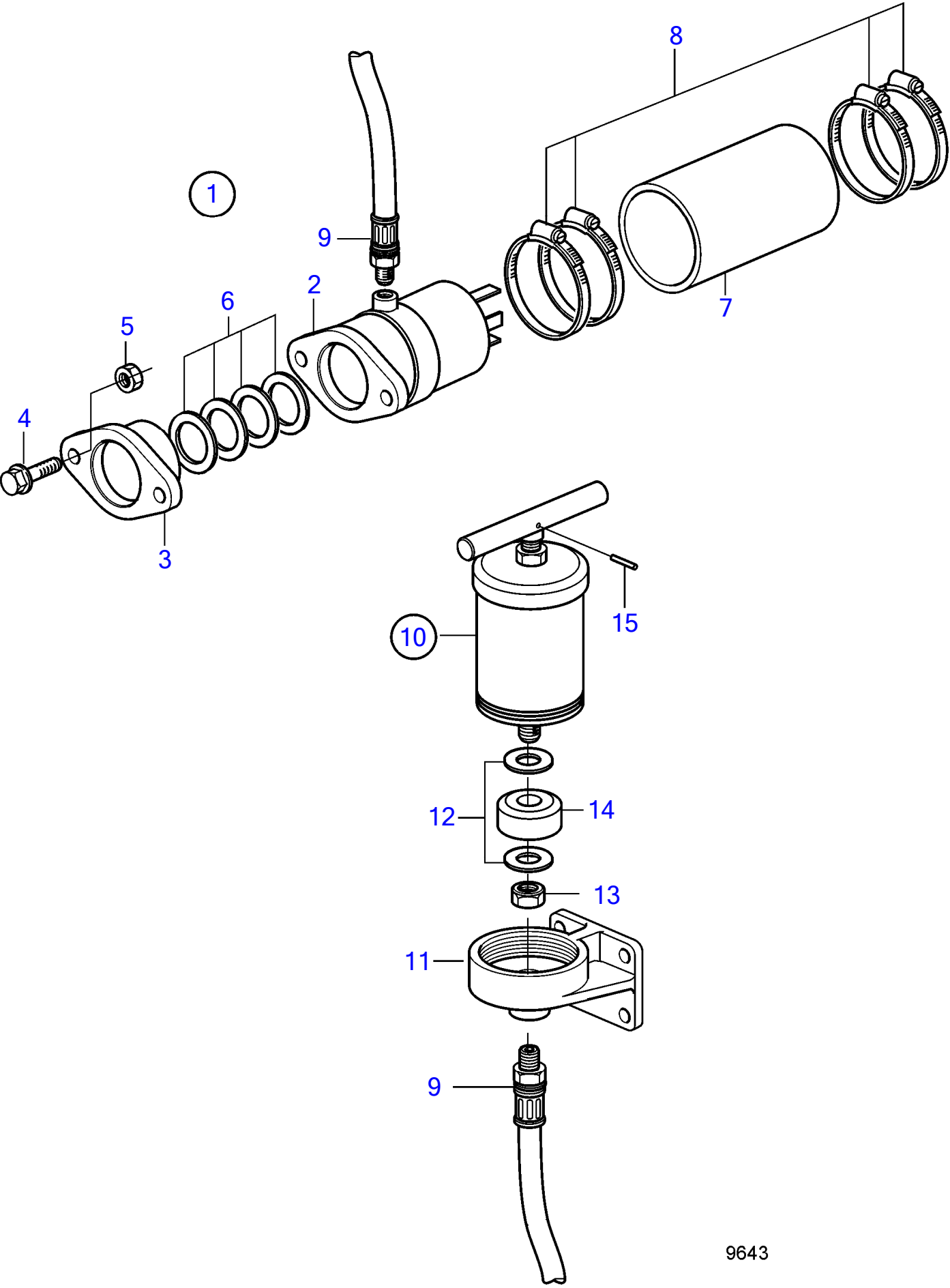
Ref	Part No.	Qty	Description	Notes
1	21924262	1	Propeller kit • Bulletin P-44-7-20	Set, J2 New propeller series for classic Duoprop drives DP280-290, DP-A to DP-E
1	21924263	1	Propeller kit • Bulletin P-44-7-20	Set, J3 New propeller series for classic Duoprop drives DP280-290, DP-A to DP-E
1	21924264	1	Propeller kit • Bulletin P-44-7-20	Set, J4 New propeller series for classic Duoprop drives DP280-290, DP-A to DP-E
1	21924265	1	Propeller kit • Bulletin P-44-7-20	Set, J5 New propeller series for classic Duoprop drives DP280-290, DP-A to DP-E
1	21924266	1	Propeller kit • Bulletin P-44-7-20	Set, J6 New propeller series for classic Duoprop drives DP280-290, DP-A to DP-E
1	21924267	1	Propeller kit • Bulletin P-44-7-20	Set, J7 New propeller series for classic Duoprop drives DP280-290, DP-A to DP-E
1	21924268	1	Propeller kit • Bulletin P-44-7-20	Set, J8 New propeller series for classic Duoprop drives DP280-290, DP-A to DP-E
1	21924269	1	Propeller kit • Bulletin P-44-7-20	Set, J9 New propeller series for classic Duoprop drives DP280-290, DP-A to DP-E
1	21924270	1	Propeller kit • Bulletin P-44-7-20	Set, J10 New propeller series for classic Duoprop drives DP280-290, DP-A to DP-E
2	21924222	1	• Propeller	Front, J2
	21924223	1	• Propeller	Front, J3
	21924224	1	• Propeller	Front, J4
	21924225	1	• Propeller	Front, J5
	21924226	1	• Propeller	Front, J6
	21924227	1	• Propeller	Front, J7
	21924228	1	• Propeller	Front, J8
	21924229	1	• Propeller	Front, J9
	21924230	1	• Propeller	Front, J10
3	21924242	1	• Propeller	Rear, J2
	21924243	1	• Propeller	Rear, J3
	21924244	1	• Propeller	Rear, J4
	21924245	1	• Propeller	Rear, J5
	21924246	1	• Propeller	Rear, J6
	21924247	1	• Propeller	Rear, J7
	21924248	1	• Propeller	Rear, J8
	21924249	1	• Propeller	Rear, J9
	21924250	1	• Propeller	Rear, J10
4		X	thrust washers, nut and propeller cone	Parts for installation of propellers can be found in section for gear housing



44 Greaser and Stuffing Box

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

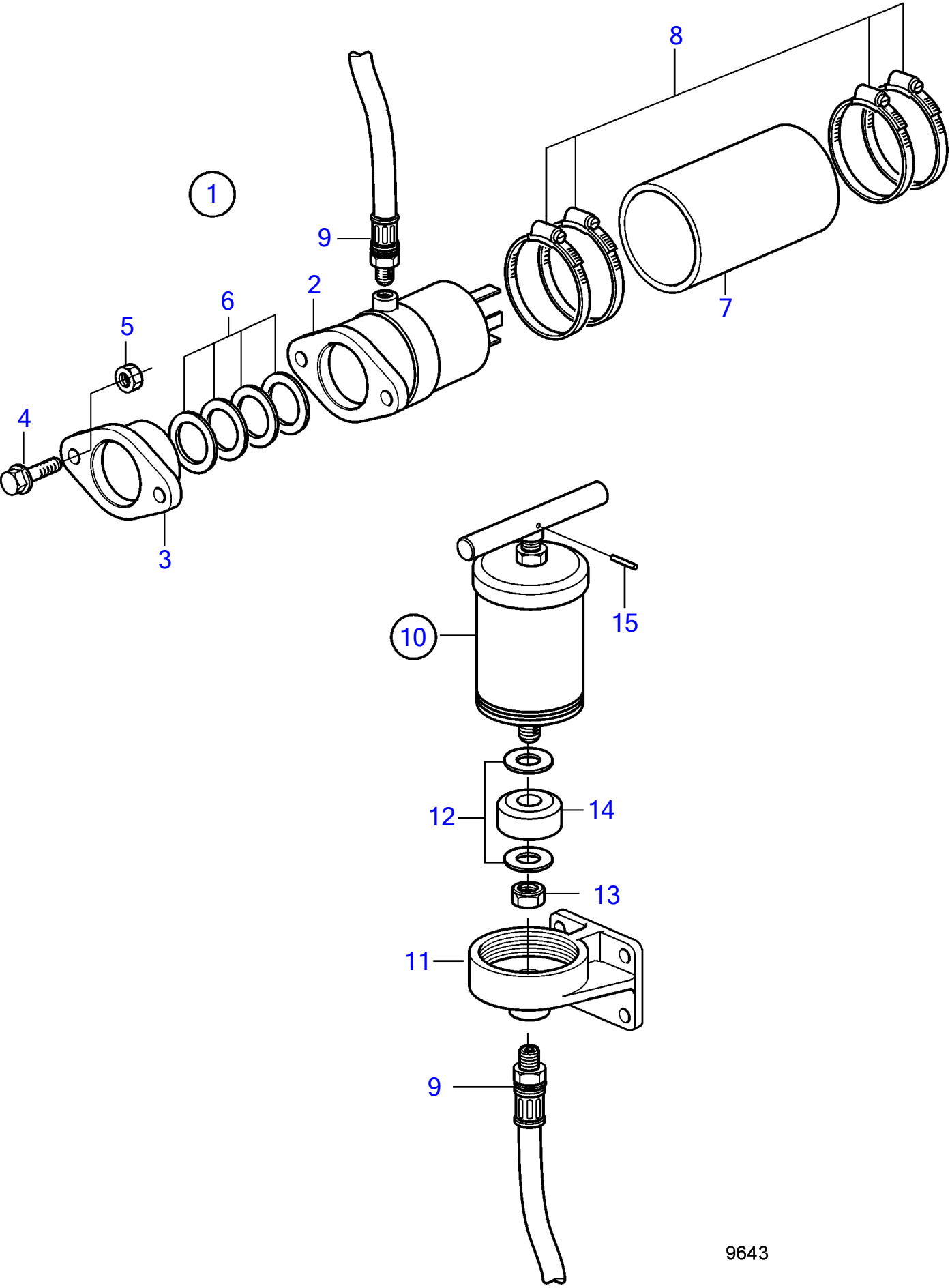
Ref	Part No.	Qty	Description	Notes
1	827184	1	Grease press	
2	815579	1	• Leather cuff	
3	948087	2	• Washer	
4	(907173)	1	• Grooved pin	Obsolete part
5	950354	1	• Lock nut	
6		1	• Retainer	
7	833842	1	Hose	
8	859013	1	Stuffing box	D=30mm
	859014	1	Stuffing box	D=35mm
9		1	• Nut	
10	859006	3	• Box gasket	D=30mm
	859007	3	• Box gasket	D=35mm
11		1	• Nut	
12	914138	1	• Lubricator	
13		1	• Stuffing box	
14	961674	3	• Hose clamp	
15	825673	X	• Rubber hose	D=30mm
	(827179)	X	• Rubber hose	D=35mm, Obsolete part



44 Greaser and Stuffing Box: D=40mm

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

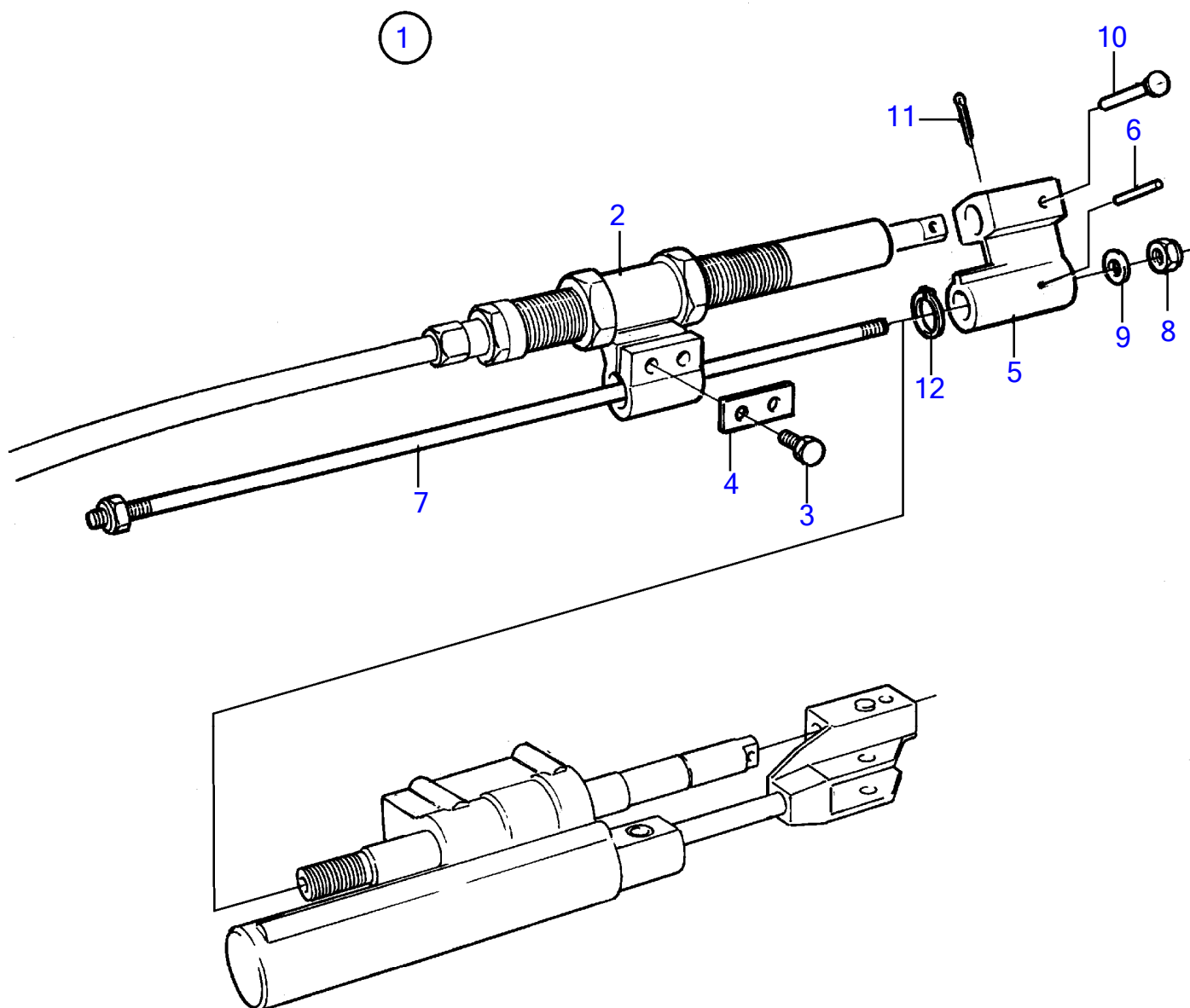
Ref	Part No.	Qty	Description	Notes
1	859016	1	Stuffing box	D=40mm
2	(828137)	1	• Stuffing box	Obsolete part
3	(828287)	1	• Gland	Obsolete part
4	963568	2	• Hexagon screw	
5	17624	2	• Hexagon nut	
6	859008	4	• Box gasket	
7		1	• Hose	
8	961673	4	• Hose clamp	
9	833842	1	• Hose	
10	827184	1	• Grease press	
11		1	• • End cover	
12	948087	2	• • Washer	
13	950354	1	• • Lock nut	
14	815579	1	• • Leather cuff	
15	(907173)	1	• • Grooved pin	Obsolete part



44 Greaser and Stuffing Box: D=45mm

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

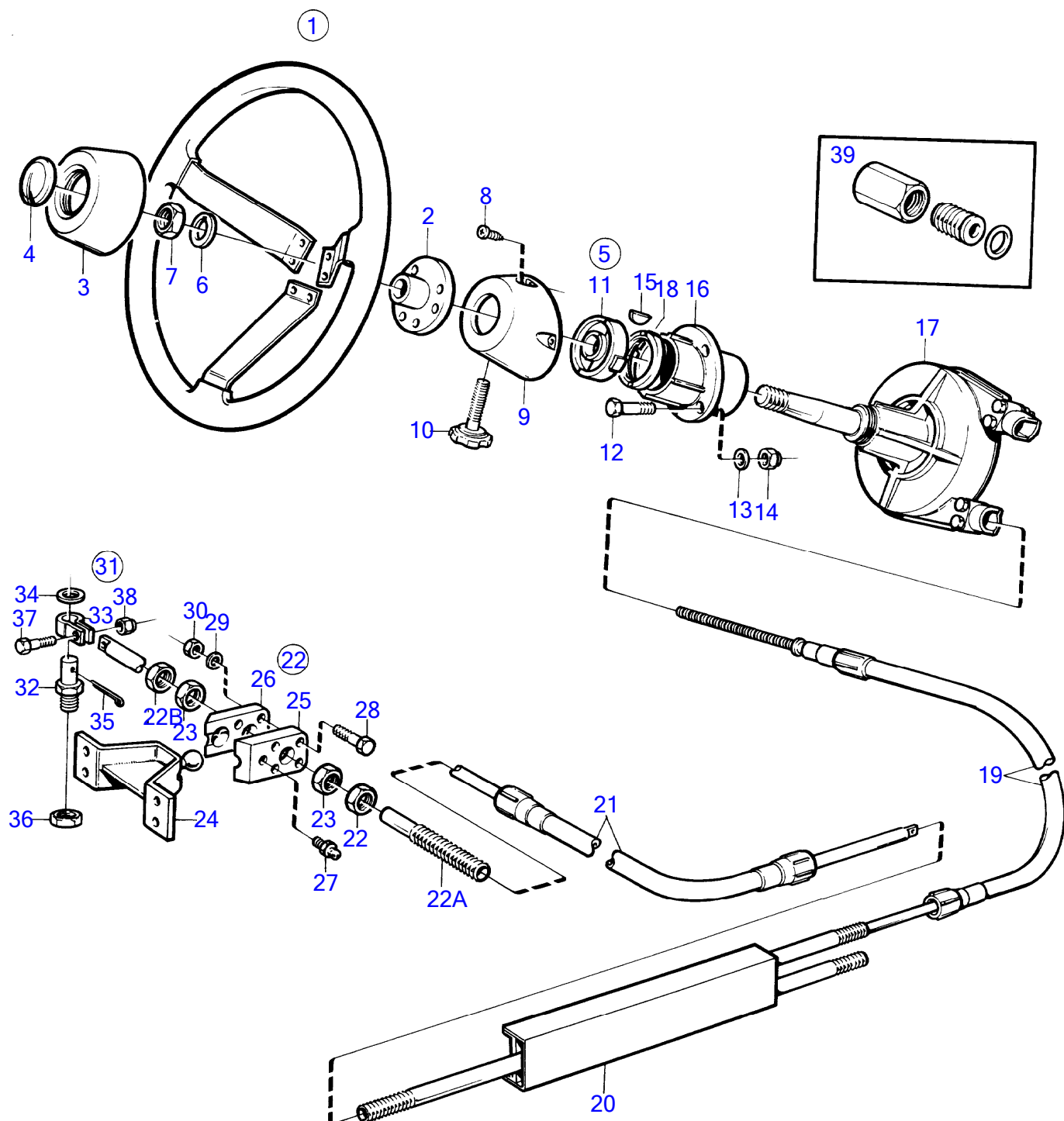
Ref	Part No.	Qty	Description	Notes
1	859017	1	Stuffing box	D=45mm
2	(828191)	1	• Stuffing box	Obsolete part
3		1	• Gland	
4	963568	2	• Hexagon screw	
5	17624	2	• Hexagon nut	
6	859028	4	• Box gasket	
7	(828172)	1	• Hose	Obsolete part
8	961674	4	• Hose clamp	
9	833842	1	• Hose	
10	827184	1	• Grease press	
11		1	• • End cover	
12	948087	2	• • Washer	
13	950354	1	• • Lock nut	
14	815579	1	• • Leather cuff	
15	(907173)	1	• • Grooved pin	Obsolete part



64 Connecting Kit for Narrow Hulls

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	(872375)	1	Connector kit	Obsolete part
2		1	• Bracket	
3	955297	2	• Hexagon screw	
4	872445	1	• Lock washer	
5	(872378)	1	• End piece	Obsolete part
6	951979	1	• Spring pin	
7		1	• Rod	
8	966175	1	• Lock nut	
9	955900	1	• Washer	
10	(851382)	1	• Clevis pin	Obsolete part
11	964960	1	• Cotter pin	
12	914456	1	• Snap ring	



64 Steering System STS330

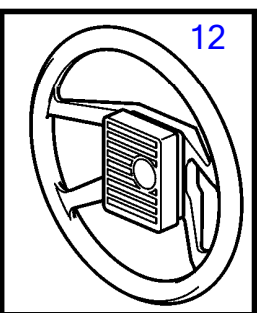
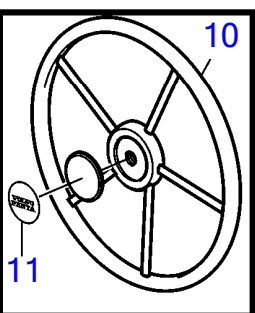
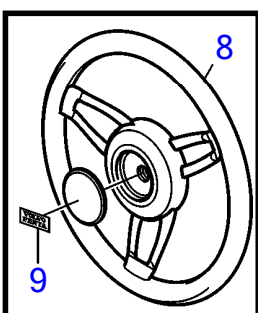
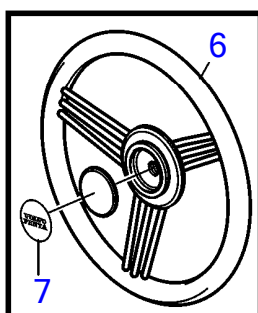
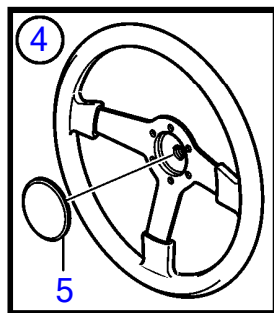
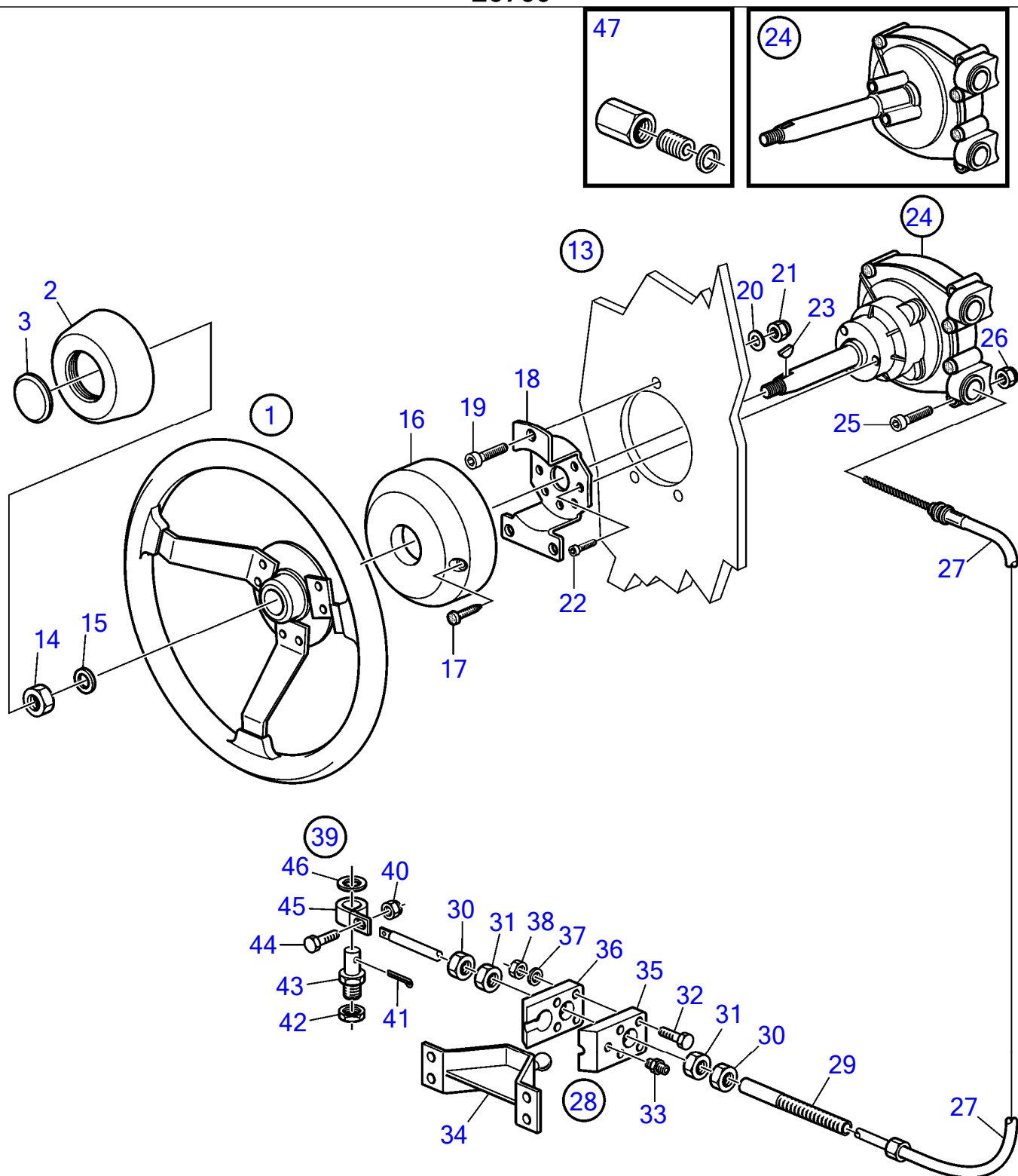
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Ref	Part No.	Qty	Description	Notes
1	(850936)	1	Steering wheel	Obsolete part
2		1	• Steering wheel hub	
3	(828943)	1	• Steering wheel pad	Obsolete part
4	(1140660)	1	• Emblem	(850938), Obsolete part
5	3883509	1	Mounting kit	90° white (853182)
	3818098	1	Mounting kit	90° black (1140023)
	3883508	1	Mounting kit	70° white (853183)
	3818096	1	Mounting kit	
6	(3851613)	1	• Washer	Obsolete part
7	955793	1	• Hexagon nut	
8	965325	2	• Cross recessed screw	
9		1	• Cover	
10	(3851612)	1	• Screw	Obsolete part
11	(3851611)	2	• Bearing	Obsolete part
12	955298	4	• Hexagon screw	
13	955894	4	• Washer	
14	946036	4	• Lock nut	
15	160807	1	• Woodruff key	
16		1	• Steering head	
17	3818019	1	Steering box	(853181)
			• Bulletin P-64-0-1	New QL Mechanical and Hydraulic Steering Systems
18	3851614	1	• Nut	
19	3840244	1	Steering cable	L=2,00m
	3840245	1	Steering cable	L=2,25m
	3840246	1	Steering cable	L=2,50m
	3840247	1	Steering cable	L=2,75m
	3840248	1	Steering cable	L=3,00m
	3840249	1	Steering cable	L=3,25m
	3840250	1	Steering cable	L=3,50m
	3840251	1	Steering cable	L=3,75m
	3840252	1	Steering cable	L=4,00m
	3840253	1	Steering cable	L=4,25m
	3840254	1	Steering cable	L=4,50m
	3840255	1	Steering cable	L=4,75m
	3840256	1	Steering cable	L=5,00m
	3840257	1	Steering cable	L=5,25m
	3840258	1	Steering cable	L=5,50m
	3840259	1	Steering cable	L=5,75m
	3840260	1	Steering cable	L=6,00m
	3840261	1	Steering cable	L=6,25m
	3840262	1	Steering cable	L=6,50m
	3840263	1	Steering cable	L=6,75m
	3840264	1	Steering cable	L=7,00m
	3840265	1	Steering cable	L=7,25m
	3840266	1	Steering cable	L=7,50m
	3840267	1	Steering cable	L=7,75m
	3840268	1	Steering cable	L=8,00m
	3840270	1	Steering cable	L=8,25m
	3840272	1	Steering cable	L=8,50m
	3840273	1	Steering cable	L=8,75m
	3840274	1	Steering cable	L=9,00m
20	(853291)	1	Ds unit	Obsolete part
21	853387	1	• Anode	
22	(853290)	1	Stern attachment	Obsolete part
22A	850771	1	• Anchorage	
22B	850778	2	• Nut	
23	853306	2	• Nut	
24	851093	1	• Bracket	
25	828857	1	• Anchorage	
26	828854	1	• Anchorage	
27	951739	1	• Lubricating nipple	
28	940101	2	• Hexagon screw	
29	941906	2	• Spring washer	
30	963105	2	• Lock nut	
31	(828924)	1	• Ball joint kit	Obsolete part
32		1	• Split pin bolt	
33	(851116)	1	• Bracket	Obsolete part
34	955897	1	• Washer	

64 Steering System STS330

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
35	967707	1	• • Cotter pin	
36	963119	1	• • Lock nut	
37	(851118)	1	• • Shoulder screw	Obsolete part
38	(966171)	1	• • Lock nut	Obsolete part
39	853214	1	Adapter	For alternative steering cables.



64 Steering System, Mechanical

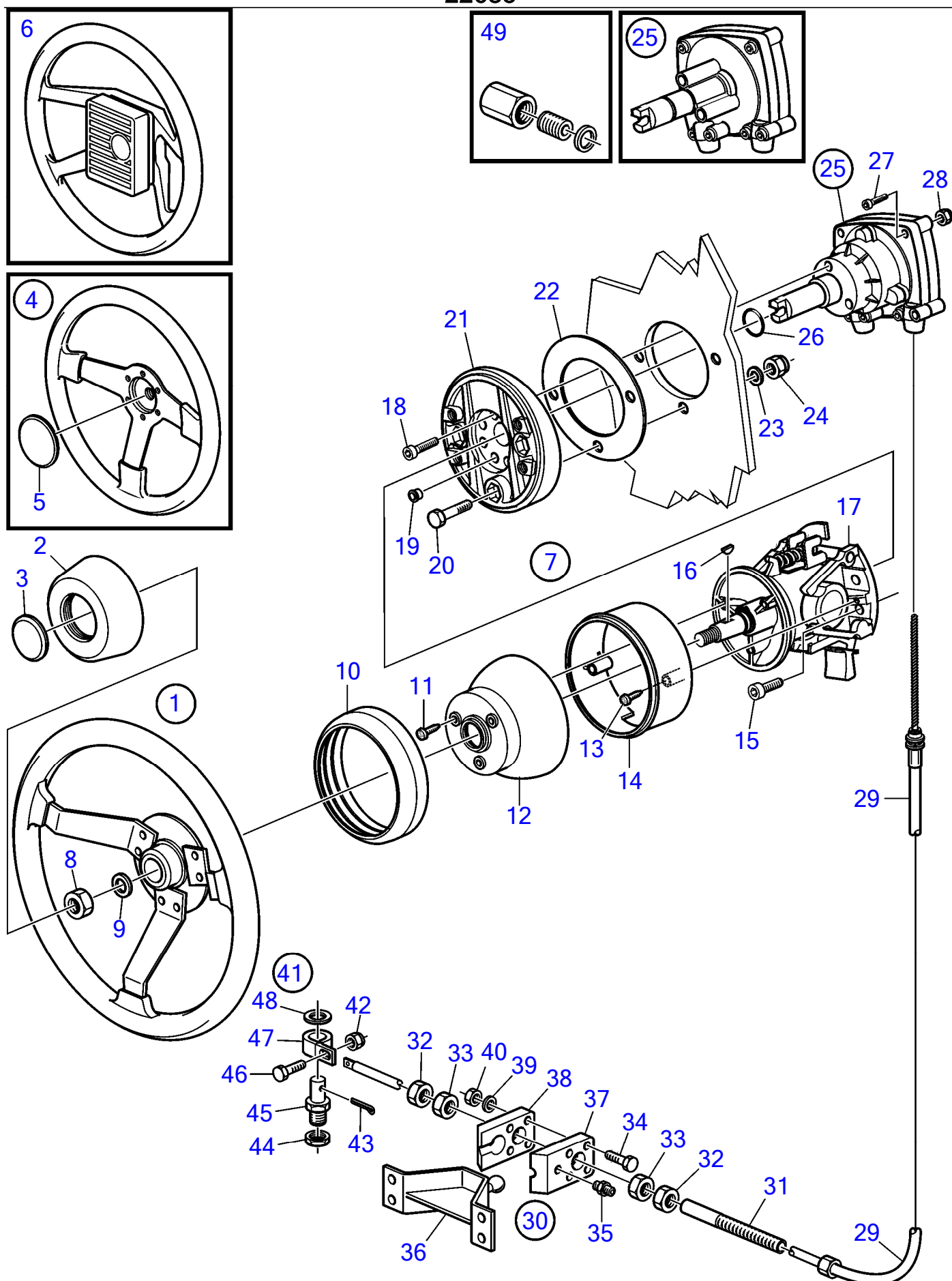
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Ref	Part No.	Qty	Description	Notes
1	(850936)	1	Steering wheel	Obsolete part
2		1	• Steering wheel pad	
3	(1140660)	1	• Emblem	(850938), Obsolete part
4	3843317	1	Steering wheel	
		1	• Bulletin P-64-0-2	New range of steering wheels
5		1	• Emblem	
6	21729995	1	Steering wheel	
		1	• Bulletin P-64-0-2	New range of steering wheels
7	21971826	1	Decal	
8	21649809	1	Steering wheel	
		1	• Bulletin P-64-0-2	New range of steering wheels
9	21989383	1	Decal	
10	21673214	1	Steering wheel	
		1	• Bulletin P-64-0-2	New range of steering wheels
11	21971826	1	Decal	
12	1140334	1	Steering wheel	
	1140335	1	Steering wheel	
13	3818096	1	Mounting kit	70° black
	3818098	1	Mounting kit	90° black
	3883508	1	Mounting kit	70° white
	3883509	1	Mounting kit	70° black
14	971084	1	• Lock nut	
15	955897	1	• Washer	
16		1	• Cover	90°
		1	• Cover	70°
17	969476	2	• 6 point socket screw	
18		1	• Bracket	90°
		1	• Bracket	70°
19	959226	3	• Hex. socket screw	
20	976944	3	• Washer	
21	946036	3	• Lock nut	
22	959220	3	• Hex. socket screw	
23	160807	1	• Woodruff key	
24	3818019	1	Steering box	Std, fixed wheel
		1	• Bulletin P-64-0-1	New QL Mechanical and Hydraulic Steering Systems
24	3818023	1	Steering box	No feedback, fixed wheel
		1	• Bulletin P-64-0-1	New QL Mechanical and Hydraulic Steering Systems
25	955278	2	• Hexagon screw	
26	963105	2	• Lock nut	
27	3840244	1	Steering cable	L=2000mm
	3840245	1	Steering cable	L=2250mm
	3840246	1	Steering cable	L=2500mm
	3840247	1	Steering cable	L=2750mm
	3840248	1	Steering cable	L=3000mm
	3840249	1	Steering cable	L=3250mm
	3840250	1	Steering cable	L=3500mm
	3840251	1	Steering cable	L=3750mm
	3840252	1	Steering cable	L=4000mm
	3840253	1	Steering cable	L=4250mm
	3840254	1	Steering cable	L=4500mm
	3840255	1	Steering cable	L=4750mm
	3840256	1	Steering cable	L=5000mm
	3840257	1	Steering cable	L=5250mm
	3840258	1	Steering cable	L=5500mm
	3840259	1	Steering cable	L=5750mm
	3840260	1	Steering cable	L=6000mm
	3840261	1	Steering cable	L=6250mm
	3840262	1	Steering cable	L=6500mm
	3840263	1	Steering cable	L=6750mm
	3840264	1	Steering cable	L=7000mm
	3840265	1	Steering cable	L=7250mm
	3840266	1	Steering cable	L=7500mm
	3840267	1	Steering cable	L=7750mm
	3840268	1	Steering cable	L=8000mm
	3840270	1	Steering cable	L=8250mm
	3840272	1	Steering cable	L=8500mm
	3840273	1	Steering cable	L=8750mm
	3840274	1	Steering cable	L=9000mm

64 Steering System, Mechanical

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
28	(853290)	1	Stern attachment	Obsolete part
29	850771	1	• Anchorage	
30	850778	2	• Nut	
31	853306	2	• Nut	
32	940101	2	• Hexagon screw	
33	951739	1	• Lubricating nipple	
34	851093	1	• Bracket	
35	828857	1	• Anchorage	
36	828854	1	• Anchorage	
37	941906	2	• Spring washer	
38	963105	2	• Lock nut	
39	(828924)	1	• Ball joint kit	Obsolete part
40	(966171)	1	• • Lock nut	Obsolete part
41	967707	1	• • Cotter pin	
42	963119	1	• • Lock nut	
43		1	• • Split pin bolt	
44		1	• • Shoulder screw	
45		1	• • Bracket	
46	955897	1	• • Washer	
47	853214	1	Adapter	For alternative steering cables.



64 Steering System, Mechanical with Tilt

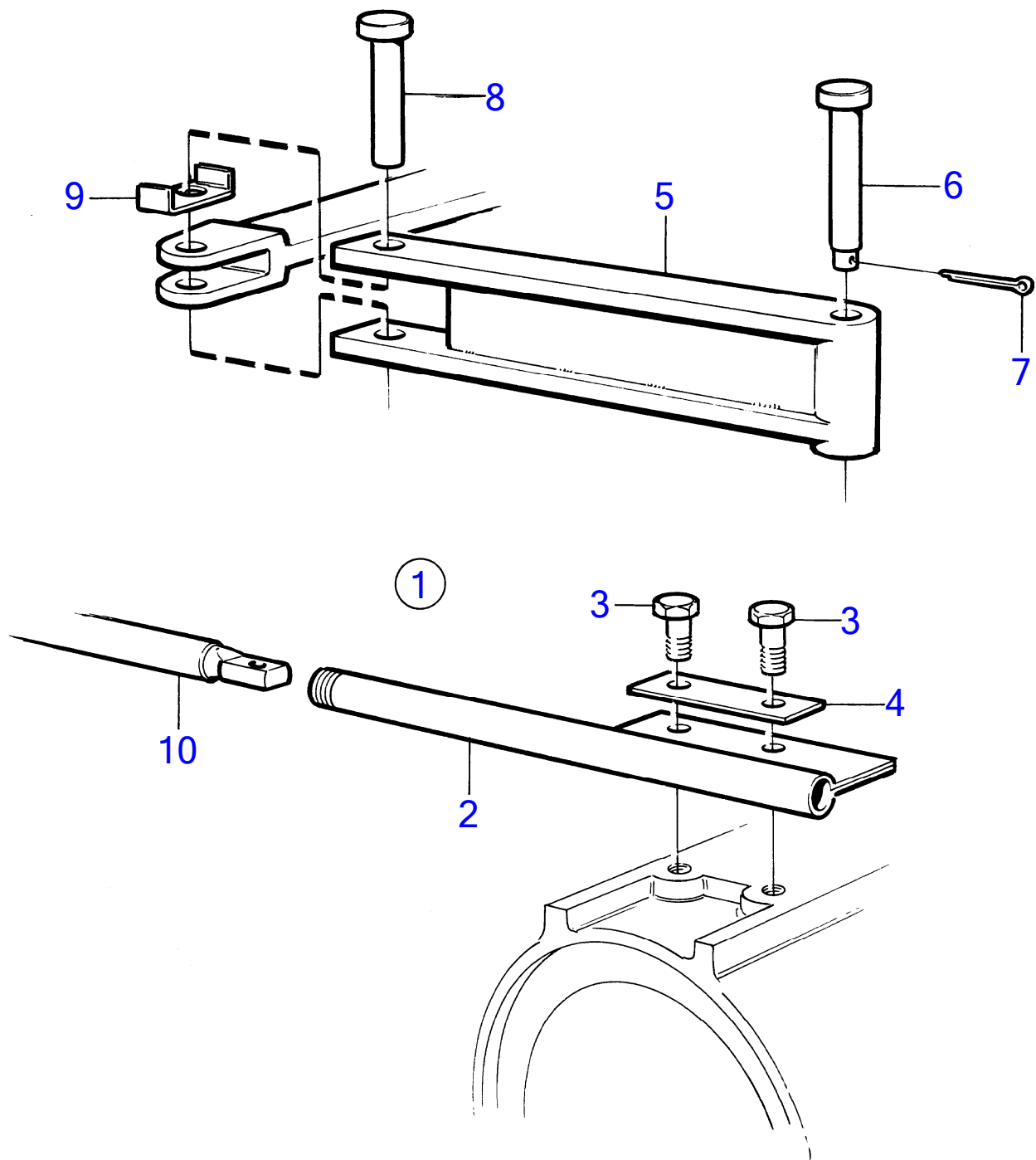
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Ref	Part No.	Qty	Description	Notes
1	(850936)	1	Steering wheel	Alt, Obsolete part
2		1	• Steering wheel pad	
3	(1140660)	1	• Emblem	(850938), Obsolete part
4	3843317	1	Steering wheel	Alt
			• Bulletin P-64-0-2	New range of steering wheels
5		1	• Emblem	
6	1140334	1	Steering wheel	Alt, white
	1140335	1	Steering wheel	Alt, black
7	3841280	1	Steering wheel adjus	
8	971084	1	• Lock nut	
9	955897	1	• Washer	
10		1	• Sealing strip	
11		3	• Screw	
12		1	• Cover	Agile
13		2	• Screw	
14		1	• Cover	Fixed
15		4	• Allen head screw	
16	160807	1	• Woodruff key	
17		1	• Anchorage	Steering wheel
18		3	• Allen head screw	
19		5	• Plug	
20		3	• Screw	
21		1	• Bracket	
22		1	• Gasket	
23		3	• Washer	
24		3	• Nut	
25	3818025	1	Steering box	T81C
			• Bulletin P-64-0-1	New QL Mechanical and Hydraulic Steering Systems
25	3818027	1	Steering box	No-feedback, tilt wheel
			• Bulletin P-64-0-1	New QL Mechanical and Hydraulic Steering Systems
26	990696	1	• O-ring	
27	955278	2	• Hexagon screw	
28	963105	2	• Lock nut	
29	3840244	1	Steering cable	L=2000mm
	3840245	1	Steering cable	L=2250mm
	3840246	1	Steering cable	L=2500mm
	3840247	1	Steering cable	L=2750mm
	3840248	1	Steering cable	L=3000mm
	3840249	1	Steering cable	L=3250mm
	3840250	1	Steering cable	L=3500mm
	3840251	1	Steering cable	L=3750mm
	3840252	1	Steering cable	L=4000mm
	3840253	1	Steering cable	L=4250mm
	3840254	1	Steering cable	L=4500mm
	3840255	1	Steering cable	L=4750mm
	3840256	1	Steering cable	L=5000mm
	3840257	1	Steering cable	L=5250mm
	3840258	1	Steering cable	L=5500mm
	3840259	1	Steering cable	L=5750mm
	3840260	1	Steering cable	L=6000mm
	3840261	1	Steering cable	L=6250mm
	3840262	1	Steering cable	L=6500mm
	3840263	1	Steering cable	L=6750mm
	3840264	1	Steering cable	L=7000mm
	3840265	1	Steering cable	L=7250mm
	3840266	1	Steering cable	L=7500mm
	3840267	1	Steering cable	L=7750mm
	3840268	1	Steering cable	L=8000mm
	3840270	1	Steering cable	L=8250mm
	3840272	1	Steering cable	L=8500mm
	3840273	1	Steering cable	L=8750mm
	3840274	1	Steering cable	L=9000mm
30	(853290)	1	Stern attachment	Obsolete part
31	850771	1	• Anchorage	
32	850778	2	• Nut	
33	853306	2	• Nut	
34	940101	2	• Hexagon screw	
35	951739	1	• Lubricating nipple	

64 Steering System, Mechanical with Tilt

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAM31L-A, TAM31M-A, TAM31P-A, TAM31S-A, TAM41H-A, TAM41H-B, TAM41P-A, TAM41L-A, TAM41M-A, TMD31L-A, TMD41L-A, TAM31S, TAM31L, TAM31P, TAM41P

Ref	Part No.	Qty	Description	Notes
36	851093	1	• Bracket	
37	828857	1	• Anchorage	
38	828854	1	• Anchorage	
39	941906	2	• Spring washer	
40	963105	2	• Lock nut	
41	(828924)	1	• Ball joint kit	Obsolete part
42	(966171)	1	• • Lock nut	Obsolete part
43	967707	1	• • Cotter pin	
44	963119	1	• • Lock nut	
45		1	• • Split pin bolt	
46		1	• • Shoulder screw	
47		1	• • Bracket	
48	955897	1	• • Washer	
49	853214	1	Adapter	For alternative steering cables.

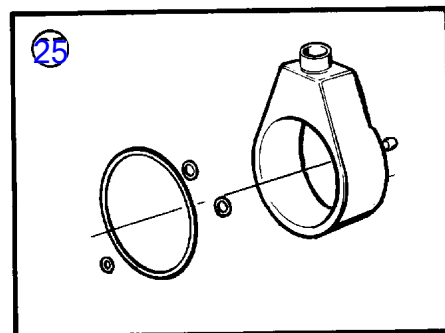
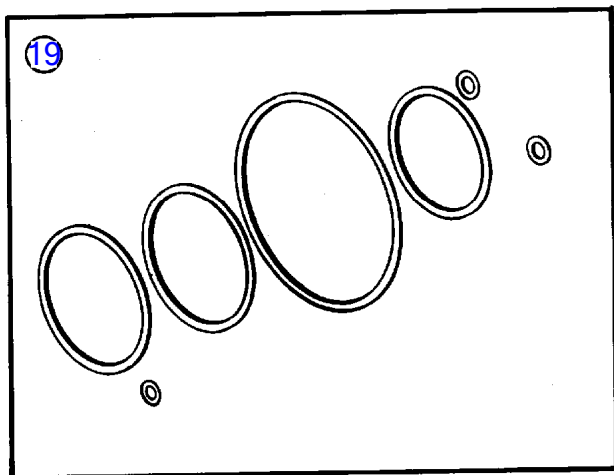
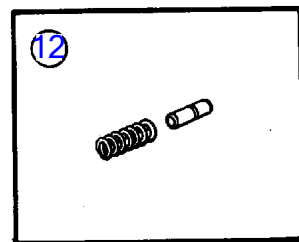
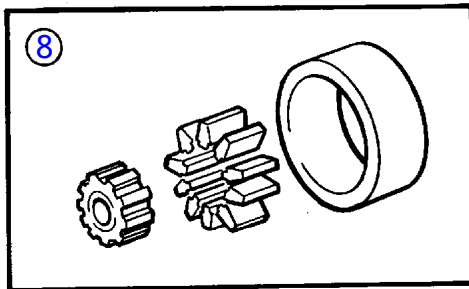
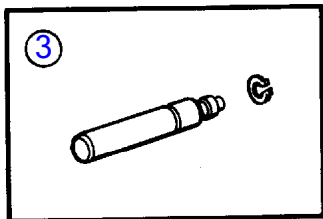
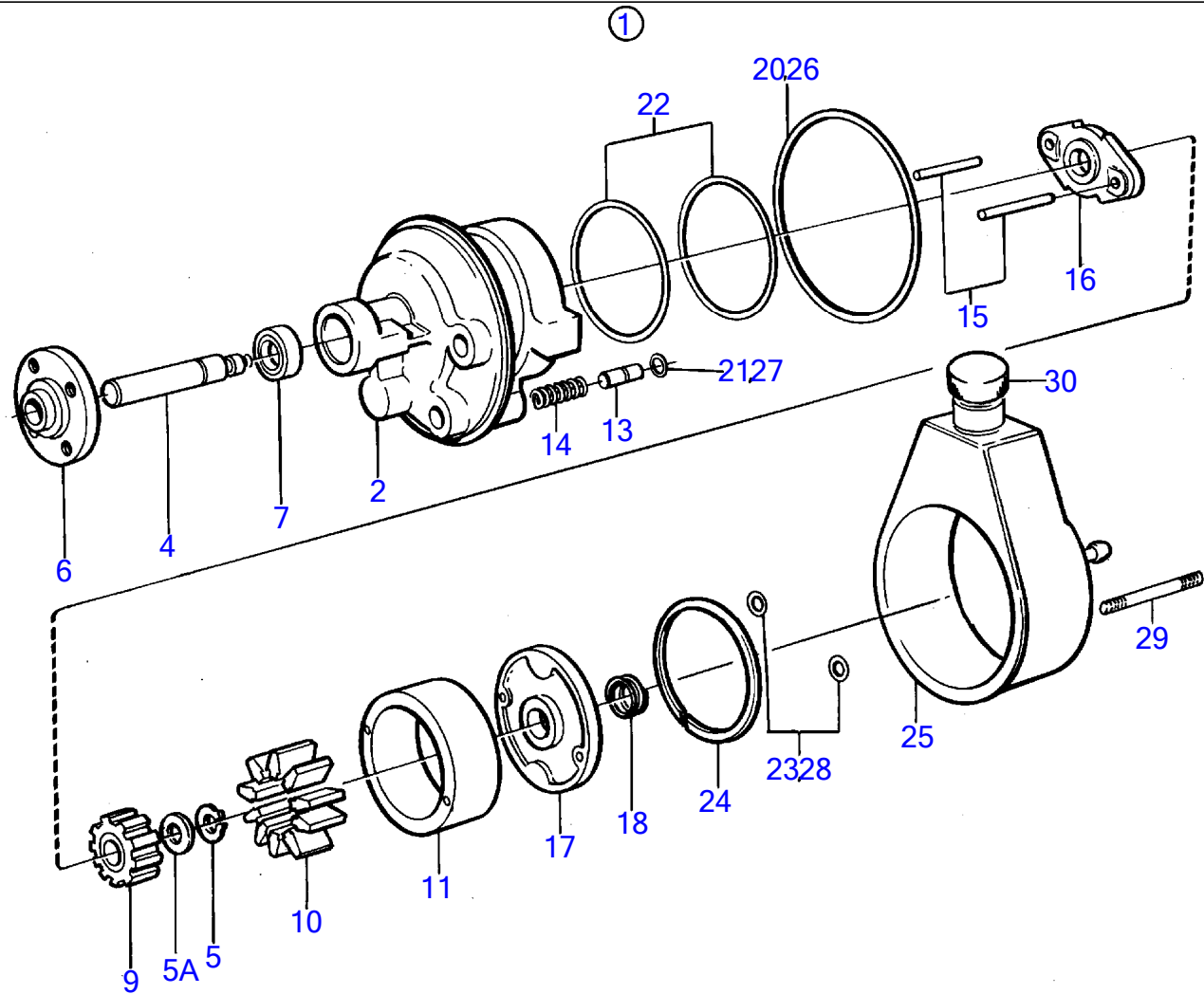


64 Inst. Kit for Steering Cable, Manual Steering

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A

Ref	Part No.	Qty	Description	Notes
1	872388	1	Steering cable attac	
2	1140568	1	• Pipe	
3	970971	2	• Hexagon screw	
4	872311	1	• Tab washer	
5	1140567	1	• Link rod	
6	1140566	1	• Clevis pin	
7	944149	1	• Cotter pin	
8	1140565	1	• Bolt	Obsolete part
9	1140579	1	• Lock washer	
10		1	Steering cable	

7222

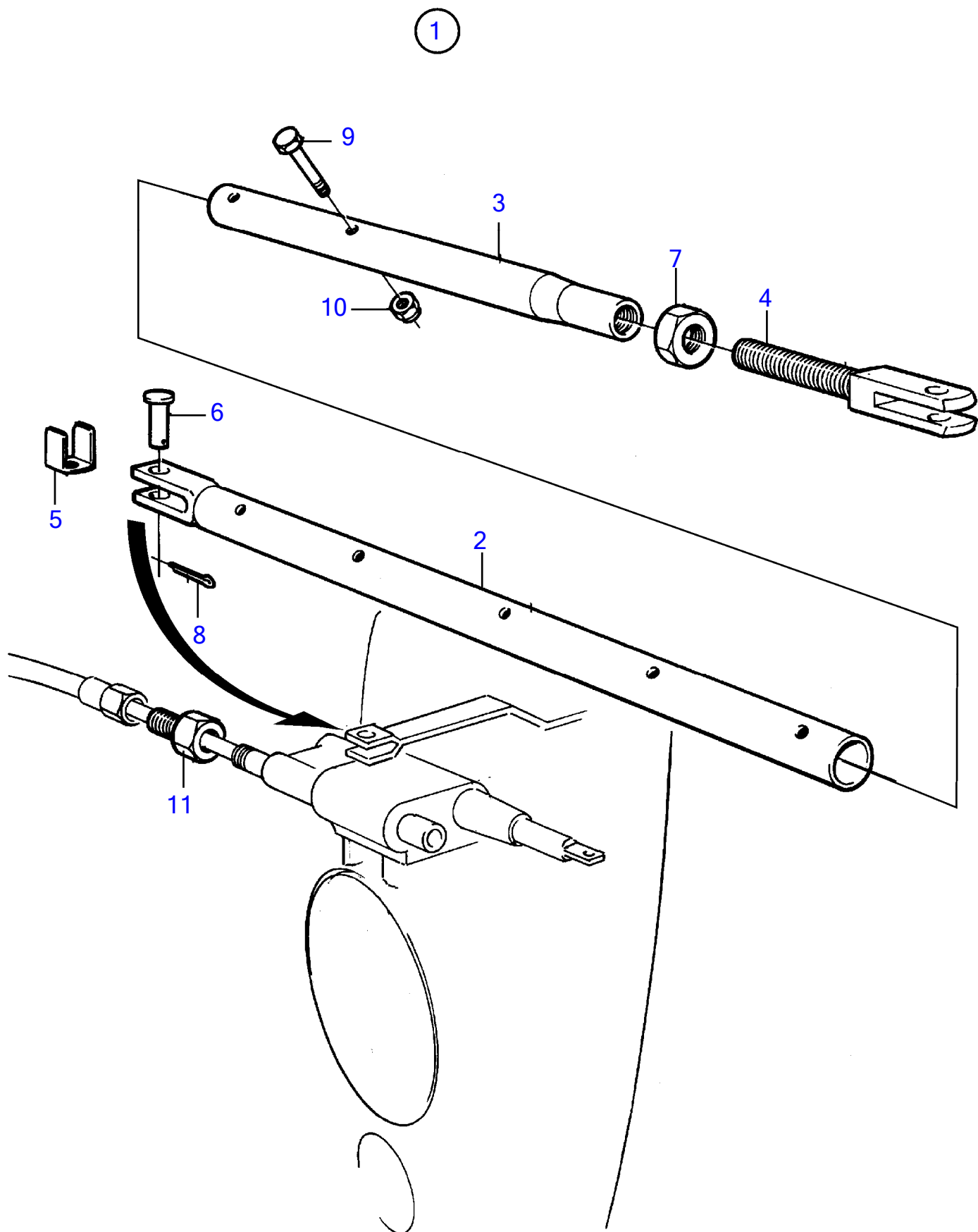


7222

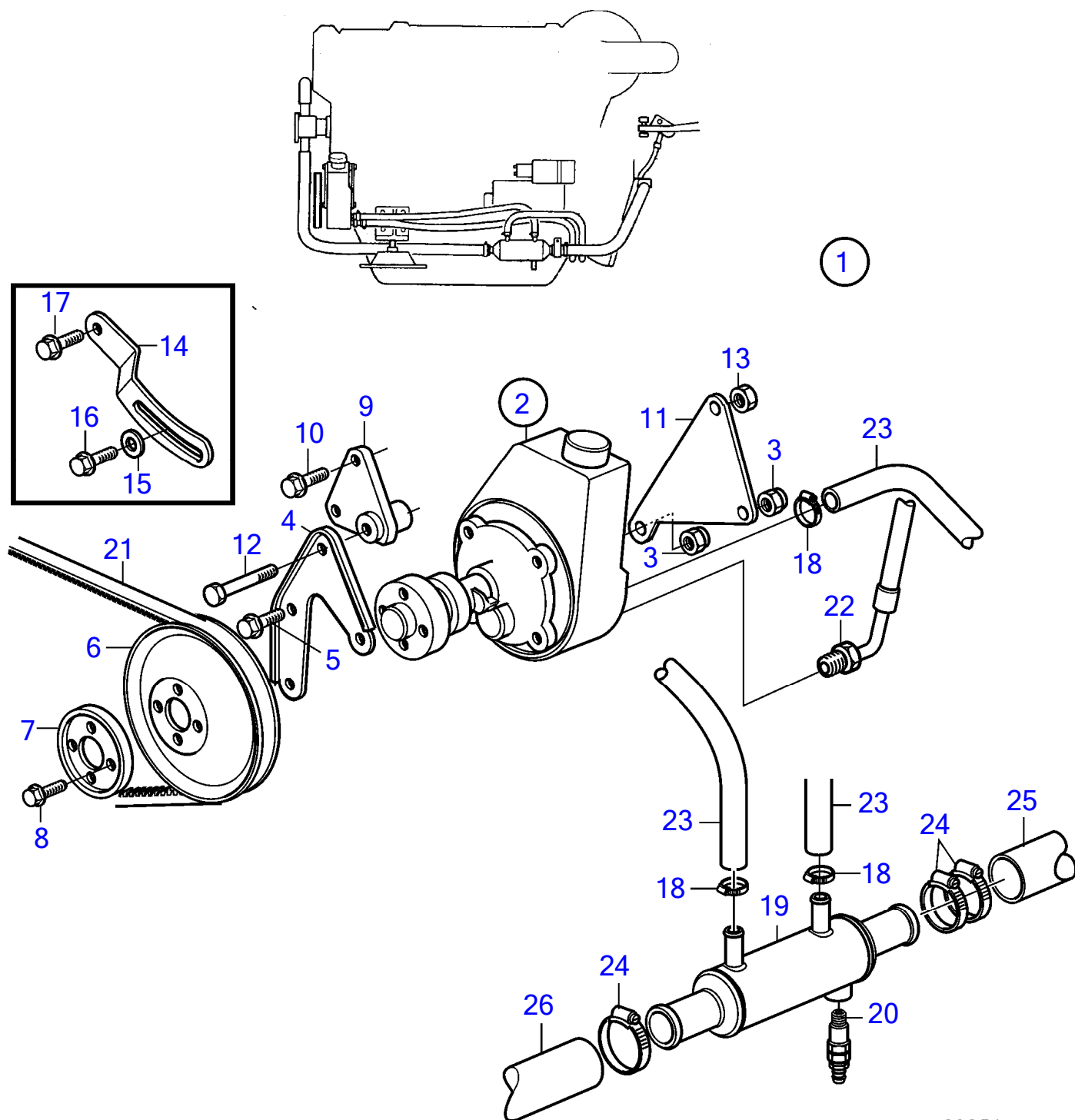
64 Servo Pump

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	(838310)	1	Power steering pump	Obsolete part
2		1	• Housing	
3		1	• Drive shaft kit	
4		1	• Axle shaft	
5	273881	1	• Ring kit	
5A	(1272634)	X	• Adjusting washer	TH=0.05mm, Obsolete part
5	(1272635)	X	• Adjusting washer	TH=0.10mm, Obsolete part
	(1272636)	X	• Adjusting washer	TH=0,20mm, Obsolete part
	(1272637)	X	• Adjusting washer	TH=0,30mm, Obsolete part
6		1	• Hub	
7	1272412	2	• Seal	
8		1	• Rotor kit	
9		1	• Rotor	
10		1	• Vane	
11		1	• Ring	
12	(273905)	1	• Valve kit	Obsolete part
13		1	• • Valve	
14		1	• • Spring	
15	(1272427)	1	• Pin	Obsolete part
16	(1329586)	1	• Plate	Obsolete part
17		1	• Plate	
18	(1329589)	1	• Lock ring	Obsolete part
19	855735	1	• Sealing kit	
20		1	• • O-ring	
21		1	• • O-ring	
22		2	• • O-ring	
23		2	• • O-ring	
24	(1272431)	1	• • Lock ring	Obsolete part
25	855544	1	• Oil reservoir kit	
26		1	• • O-ring	
27		1	• • O-ring	
28		1	• • O-ring	
29	855574	2	• Stud	
30	(1330839)	1	• Cover	Obsolete part

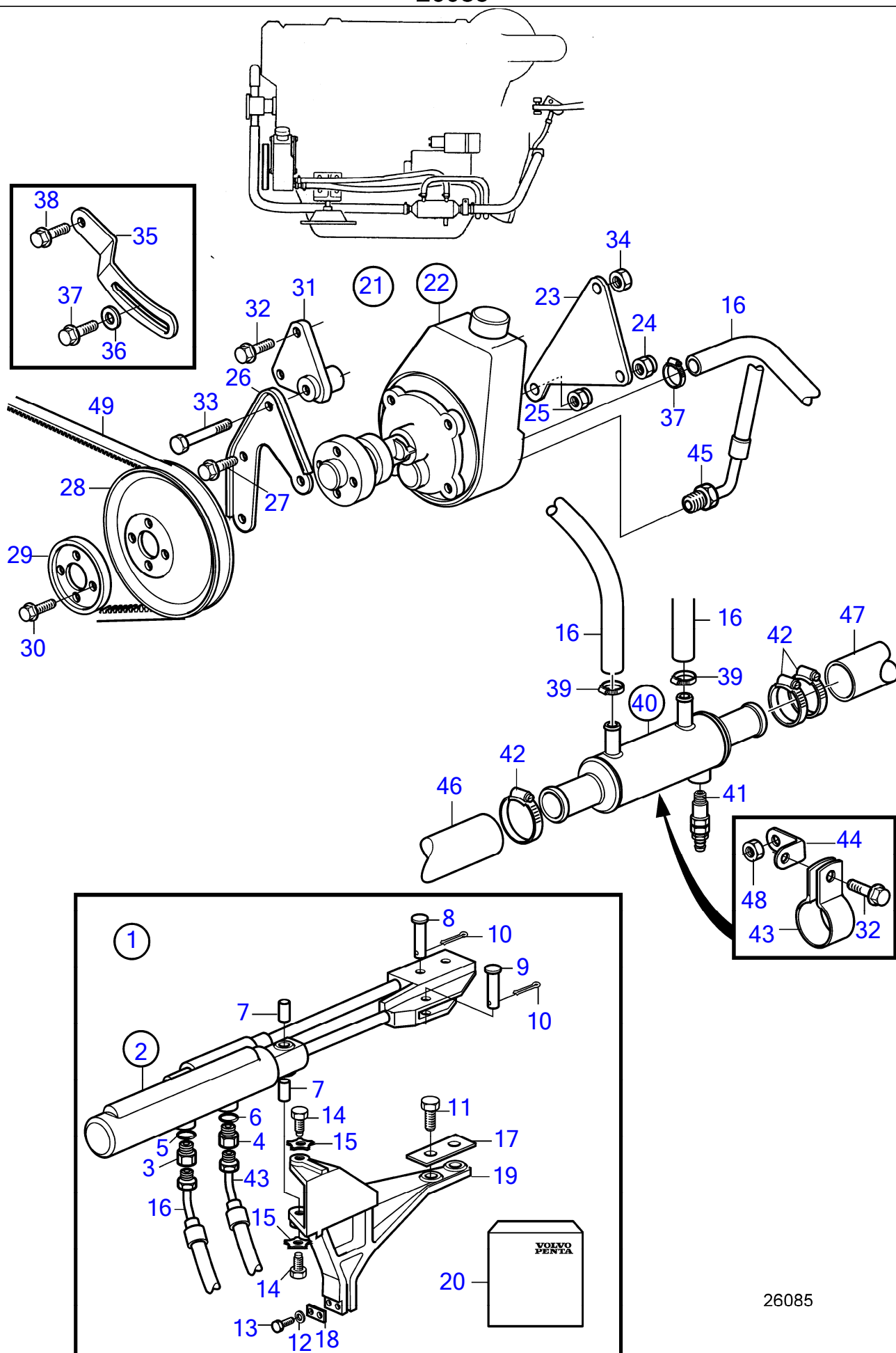


Ref	Part No.	Qty	Description	Notes
1	1140610	1	Link rod kit	L=610-970mm
2	828892	1	• Tube	
3	828893	1	• Tube	
4	828894	1	• Adjusting bar	
5	853160	2	• Lock washer	
6	913158	2	• Clevis pin	
7	955806	1	• Hexagon nut	
8	967707	2	• Cotter pin	
9	970951	2	• Hexagon screw	
10	971089	2	• Lock nut	
11	1140020	1	Impulse limiter	For twin installation.



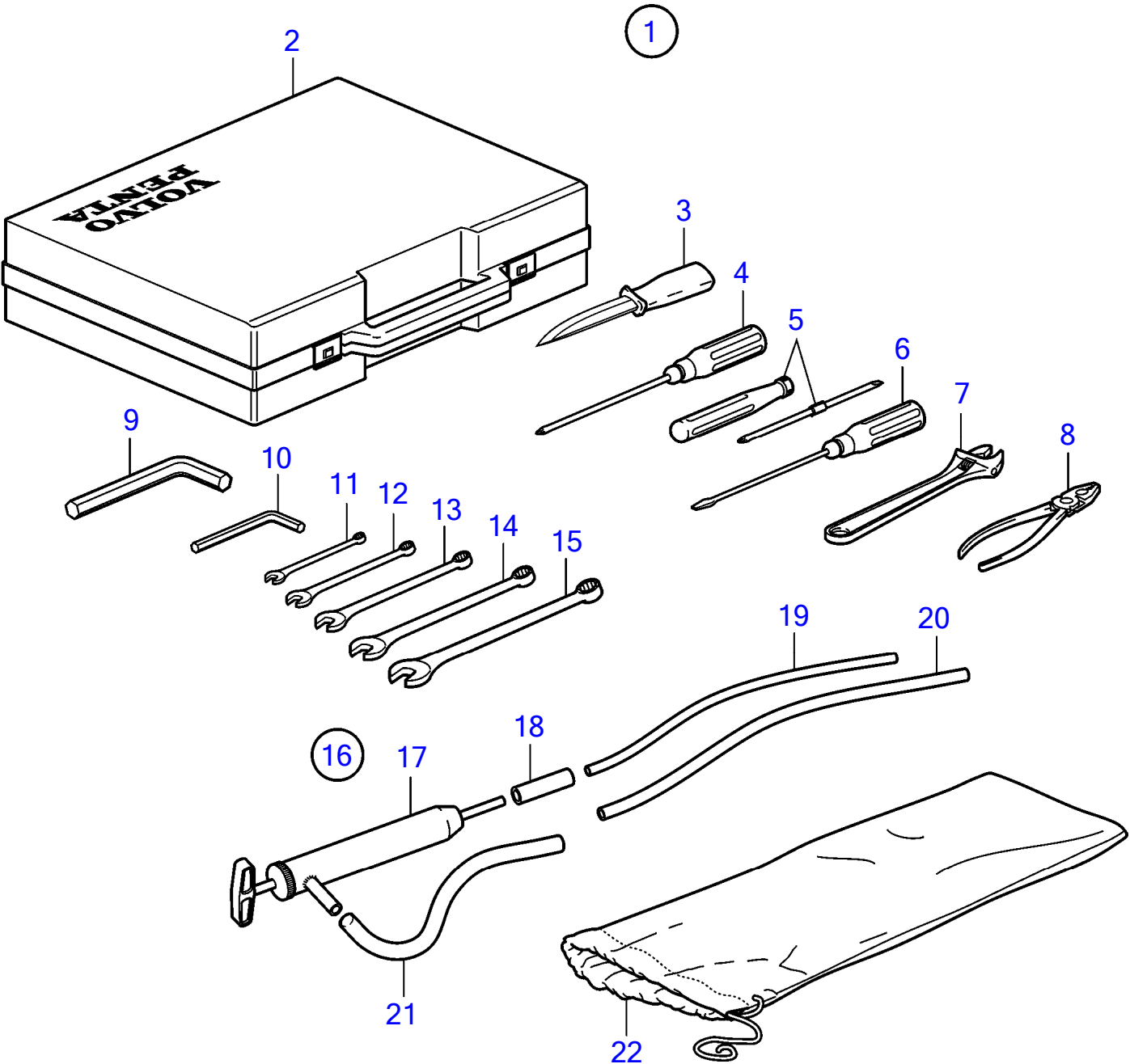
23051

Ref	Part No.	Qty	Description	Notes
1		1	Power steer.pump kit	
2	(838310)	1	• Power steering pump	Obsolete part
			•	
			•	
3	971095	1	• Flange nut	
	971083	1	• Lock nut	
4	838893	1	• Bracket	
5	946441	1	• Flange screw	L=20mm
	946329	2	• Flange screw	L=25mm
6	1219961	1	• V-belt pulley	
7	464541	1	• Washer	
8	944926	4	• Flange screw	
9	838312	1	• Bracket	
10	947760	2	• Flange screw	
11	838892	1	• Bracket	
12	955557	1	• Hexagon screw	
13	950355	1	• Lock nut	
14	838073	1	• Tensioner	
15	976944	1	• Washer	
16	946173	1	• Flange screw	
17	948217	1	• Flange screw	
18	961664	3	• Hose clamp	
19	858541	1	• Oil cooler	
20	949918	1	• Shut-off cock	
21	967123	1	• V-belt	
22	3851511	1	• Hose	
23	872217	1	• Return hose	
24	961669	4	Hose clamp	
25	1140664	X	Exhaust hose	
26	861737	1	Hose	



26085

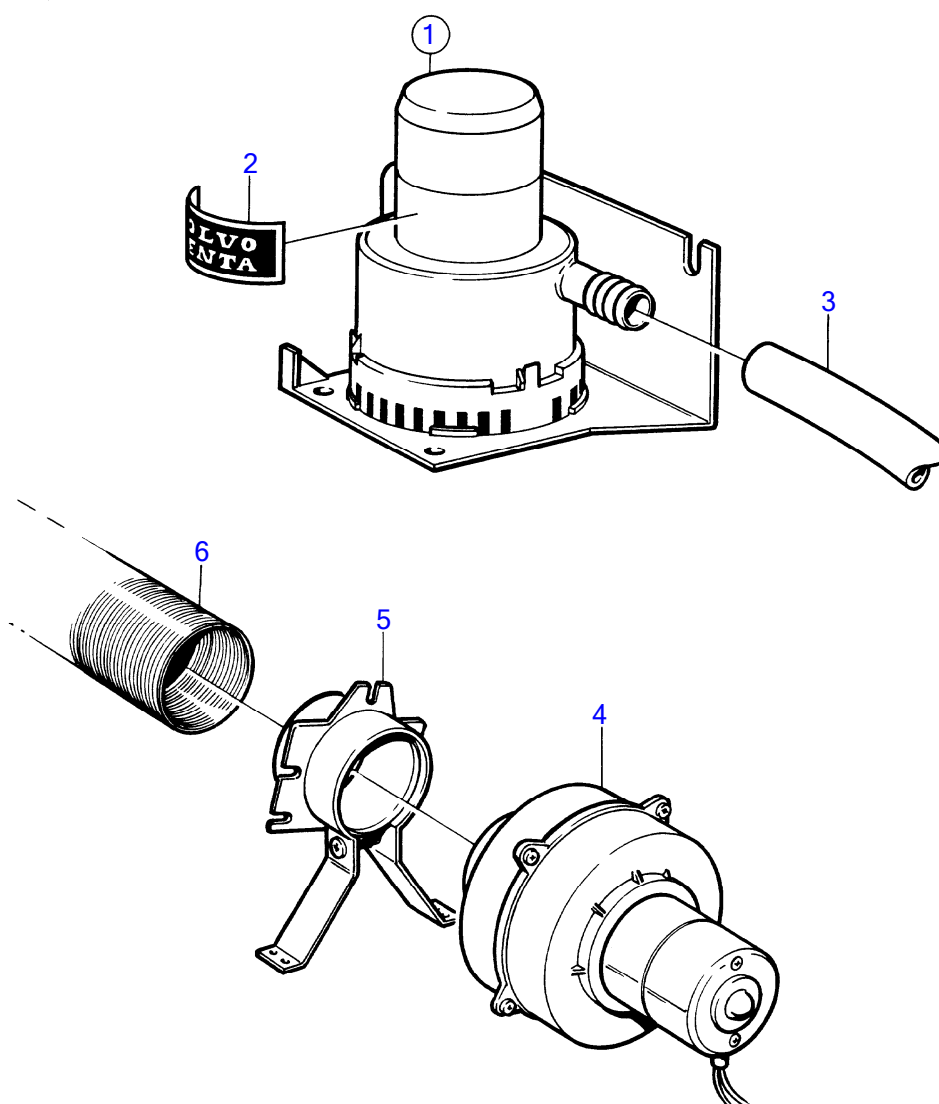
Ref	Part No.	Qty	Description	Notes
1	(872229)	1	Power steering kit	Obsolete part
2	872215	1	• Steering cylinder	
3	872698	1	• • Nipple	
4	(872699)	1	• • Nipple	Obsolete part
5	955985	1	• • O-ring	
6	955982	1	• • O-ring	
7	(872700)	2	• • Bushing	Obsolete part
8	872491	1	• • Clevis pin	
9	872490	1	• • Clevis pin	
10	949791	2	• • Cotter pin	
11	977625	2	• • Hexagon screw	
12	941908	2	• Spring washer	
13	965185	2	• Flange screw	
14	872103	2	• Pivot pin	
15	(872104)	2	• Lock washer	Obsolete part
16	872217	1	• Return hose	
17	872311	1	• Tab washer	
18	872369	1	• Tab washer	
19	872443	1	• Bracket	
20	(872697)	1	Sealing ring kit	For 872215, Obsolete part
21	(860881)	1	Power steering pump	Obsolete part
22	(838310)	1	• Power steering pump	Obsolete part
			•	
23	838892	1	• Bracket	
24	971095	1	• Flange nut	
25	971083	1	• Lock nut	
26	838893	1	• Bracket	
27	946441	1	• Flange screw	L=20mm
	946329	2	• Flange screw	L=25mm
28	1219961	1	• V-belt pulley	
29	464541	1	• Washer	
30	944926	4	• Flange screw	
31	838312	1	• Bracket	
32	947760	2	• Flange screw	L=40mm
	946671	1	• Flange screw	L=30mm
33	955557	1	• Hexagon screw	
34	950355	1	• Lock nut	
35	838073	1	• Tensioner	
36	976944	1	• Washer	
37	946173	1	• Flange screw	
38	948217	1	• Flange screw	
39	961664	3	• Hose clamp	
40	858541	1	• Oil cooler	
41	949918	1	• Shut-off cock	
42	961669	4	• Hose clamp	
43	860700	1	• Attaching clamp	
44	860701	1	• Bracket	Not included in kit.
45	872234	1	• Pressure hose	
46		1	Hose	See group 26
47	861742	1	Hose	
48	971095	1	Flange nut	See group 26
49	967123	1	V-belt	



9236

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	(858282)	1	Tool kit	Obsolete part
2	(859370)	1	• Tool bag	Obsolete part
3	(858280)	1	• Sheath knife	Obsolete part
4	(962183)	1	• Phillips screwdriver	Obsolete part
5	(963929)	1	• Combination screwdri	Obsolete part
6	804771	1	• Screwdriver	
7	(755)	1	• Adjustable wrench	Obsolete part
	(3803911)	1	• Alternator, exch, exch	Obsolete part
8	(858279)	1	• Combination pliers	Obsolete part
9	(914005)	1	• Allen wrench	Obsolete part
10	(914002)	1	• Allen wrench	Obsolete part
11	(858274)	1	• Tool	8mm, Obsolete part
12	(858275)	1	• Blocking key	10mm, Obsolete part
13	(858276)	1	• Blocking key	13mm, Obsolete part
14	(858277)	1	• Blocking key	17mm, Obsolete part
15	(858278)	1	• Blocking key	1/2", Obsolete part
16	875117	1	• Oil bilge pump	
17		1	• • Oil bilge pump	
18	(841046)	1	• • Rubber hose	Obsolete part
19	835964	1	• • Oil scavenging pipe	L=711mm
20	(841527)	1	• • Oil scavenging pipe	L=1000mm, Obsolete part
21	806282	1	• • Plastic hose	
22	844642	1	• • Tool bag	

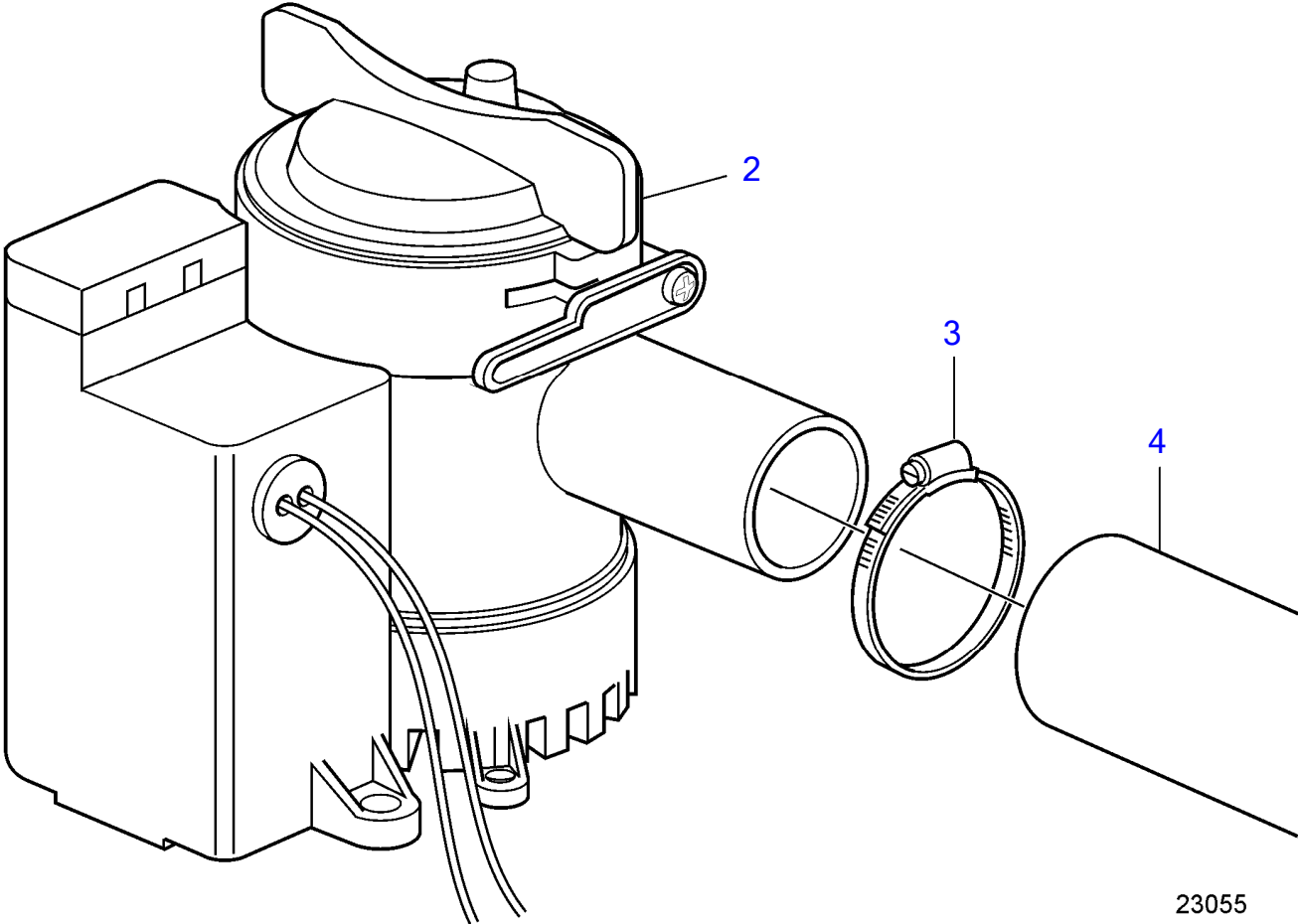
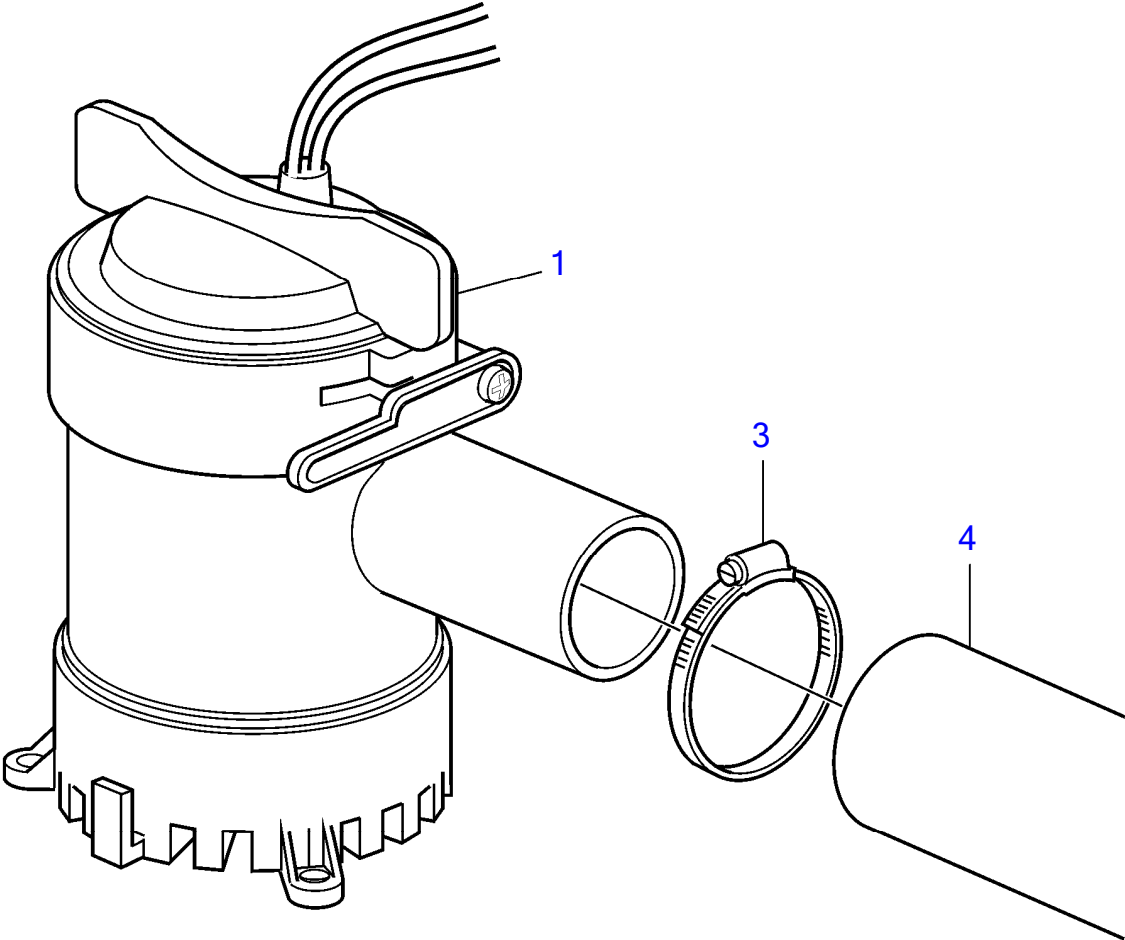


9650

90 Bilge Pump and Engine Room Fan

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A,
TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A,
TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

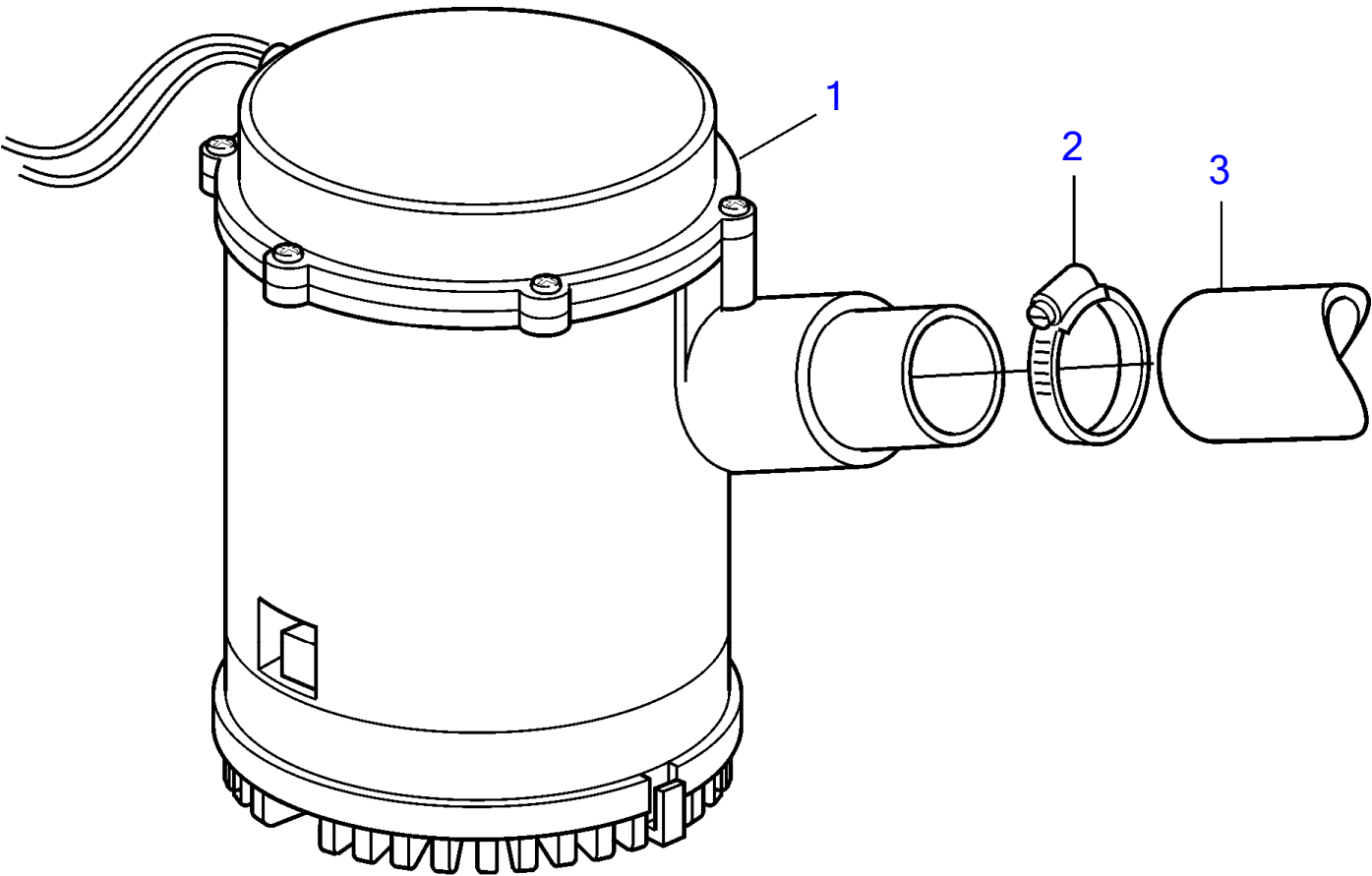
Ref	Part No.	Qty	Description	Notes
1	828763	1	Bilge pump	
2	(843141)	1	• Decal	Obsolete part
3	952969	X	Hose	
4	(828797)	1	Fan	Obsolete part
5	828798	1	Mounting kit	
6	9518554	1	Hose	L=5000mm



90 Bilge Pump, 30L - 75l/min

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	41100000	1	Bilge pump	30L / min 12V
	41103000	1	Bilge pump	45L / min 12V
	21662686	1	Bilge pump	45L / min 24V
	41103001	1	Bilge pump	55L / min 12V
	41103002	1	Pump unit	65L / min 12V
	41103003	1	Pump unit	75L / min 12V
2	41103004	1	Bilge pump	45L / min 12V
	41103005	1	Bilge pump	55L / min 12V
	41103006	1	Bilge pump	65L / min 12V
	41103007	1	Bilge pump	75L / min 12V
3	961666	1	Hose clamp	I.D=29mm
4	192358	1	Hose	I.D=19mm

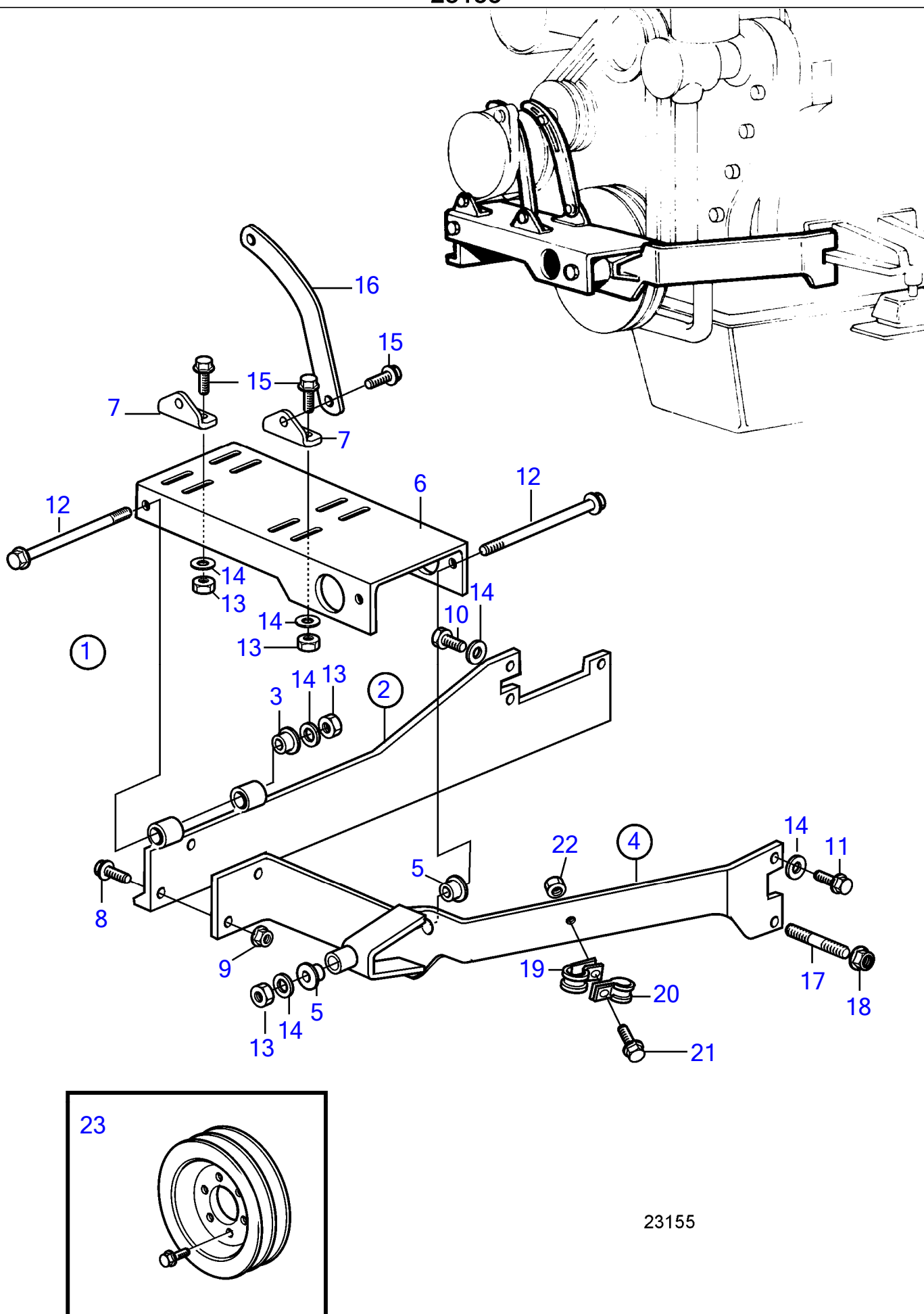


23054

90 Bilge Pump, 130l/min

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	41103008	1	Bilge pump	130L/min 12V
	41103009	1	Bilge pump	130L/min 24V
	21662696	1	Bilge pump	220L/min 12V
	21662697	1	Bilge pump	220L/min 24V
2	961666	1	Hose clamp	
	961667	1	Hose clamp	
3	192358	1	Hose	
	942707	1	Hose	I.D=28,6mm



23155

90 Universal Bracket

AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD31L-A, TMD41L-A, TAMD31S, TAMD31L, TAMD31P, TAMD41P

Ref	Part No.	Qty	Description	Notes
1	(861369)	1	Kit	Obsolete part
2	861484	1	• Bracket	
3	463909	2	• • Rubber bushing	
4	861485	1	• Bracket	
5	463909	2	• • Rubber bushing	
6	(858175)	1	• Plate	Obsolete part
7	858177	4	• Bracket	
8	946472	2	• Flange screw	
9	971098	2	• Flange lock nut	
10	970983	3	• Hexagon screw	
11	965227	1	• Flange screw	
12	973924	4	• Flange screw	
13	945408	14	• Flange nut	
14	976944	12	• Washer	
15	946173	10	• Flange screw	
16	845021	2	• Tensioner	
17	924102	1	• Stud	
18	971096	1	• Flange nut	
19	949850	1	• Clamp	D=35mm
20	967645	1	• Clamp	D=41mm
21	947542	1	• Flange screw	
22	949278	1	• Flange lock nut	
23		1	Pulley	Type HC50
		1	Pulley	Type B

Ref	Part No.	Qty	Description	Notes
1	3817034	4	Cylinder liner kit	(3581714)
		4	• Piston	
		4	• Cylinder liner	
	914519	8	• Snap ring	
	422793	4	• Piston pin	
	275751	8	• Sealing ring kit	
		4	• Piston ring	
		4	• Oil scraper ring	
	1542361	4	• O-ring	
	1542320	4	• Oil jet	
	955981	4	• O-ring	
	3817033	4	Piston ring kit	
		4	Compression ring	
		4	Piston ring	
		4	Oil scraper ring	
	876511	4	Big-end bearing kit	Std D
	876512	4	Big-end bearing kit	U.S=0,25mm
	876513	4	Big-end bearing kit	U.S=0,50mm
	876514	4	Big-end bearing kit	U.S=0,75mm
	876515	4	Main bearing kit	Std D
	876516	4	Main bearing kit	U.S=0,25mm
	876517	4	Main bearing kit	U.S=0,50mm
	876518	4	Main bearing kit	U.S=0,75mm
	877737	1	Overhaul kit	
	3581714	4	• Cylinder liner kit	
	876515	4	• Main bearing kit	
	876519	1	• Thrust bearing	
	876511	4	• Big-end bearing kit	
	3582563	1	• Connector kit, turbo	
	3582435	1	• De-carbonizing kit	
	877386	1	• Gasket kit	
	876361	1	• Overhaul gasket kit	
	877739	1	Overhaul kit	TAMD31S-A
	838637	4	• Inlet valve	
	838638	4	• Exhaust valve	
	1677875	16	• Valve cotter	
	3582561	8	• Valve guide	
	1542208	8	• Valve tappet	
	860035	4	• Valve seat	
	858331	4	• Valve seat	
	276166	1	Oil pump kit	
	470234	2	• Bushing	
	860722	1	• Shaft	
	425185	1	• Gear	
	424133	1	• Washer	
	910115	1	• Woodruff key	
	876519	1	Thrust bearing	Std D
	876520	1	Thrust bearing	O.S=0,10mm/U.S=0,25mm
	876521	1	Thrust bearing	O.S=0,20mm/U.S=0,50mm
	876522	1	Thrust bearing	O.S=0,20mm/U.S=0,75mm
	876793	1	Repair kit, water pump	
		1	Housing	
	181538	1	• Ball bearing	
	1660609	1	• Ball bearing	
		1	• Shaft	
	914462	1	• Snap ring	
	1676432	1	• Sealing ring	
	859027	1	• Gasket	
		1	• Impeller	
	876312	1	Connector kit, turbo	
	859111	1	• Gasket	

99 Repair Kits

AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A

Ref	Part No.	Qty	Description	Notes
	838855	1	• Sealing ring	
	838864	1	• V-clamp	
	864723	1	• Sealing ring	
	967944	1	• O-ring	
	969011	2	• Gasket	
	420641	1	• Plane gasket	
	860105	1	• Gasket	
	907132	1	• Gasket	
	11994	1	• Gasket	
	858709	1	Repair kit, turbo	
		2	• Bushing	
		4	• Lock ring	
		2	• Piston ring	
		1	• Thrust bearing	
(845047)		1	• Oil deflector	Obsolete part
		1	• Piston ring	
838567		1	• O-ring	
		1	• O-ring	
(845829)		4	• Screw	Obsolete part
(838568)		4	• Washer	Obsolete part
(848711)		1	• Lock nut	Obsolete part
858661		6	• Hexagon screw	
(858662)		4	• Segment	Obsolete part
(858664)		3	• Segment	Obsolete part
955293		6	• Hexagon screw	
	876110	1	Gasket kit, intercooler	
	864723	1	• Sealing ring	
	860920	2	• Gasket	
	858986	4	• Sealing ring	
	858979	1	• Sealing ring	
	847573	1	• Sealing strip	
	838831	1	• Sealing strip	
	876103	1	De-carbonizing kit, decarbonizing	
	11994	4	• Gasket	
	469846	4	• Sealing ring	
3582432		1	• Cylinder head gasket	
	838652	1	• Gasket	
	838654	2	• Gasket	
	876144	2	• Gasket kit	
	838766	1	• Sealing ring	
	925067	6	• O-ring	
	940096	1	• Gasket	
	947624	1	• Gasket	
	957171	2	• Gasket	
1306630		4	• Valve stem seal	
	969198	2	• O-ring	
1542052		2	• Seal	
1542198		1	• Sealing ring	
843449		1	• Gasket	
1542187		1	• Gasket	
1306630		4	• Valve stem seal	
	876361	1	Overhaul gasket kit, reconditioning	
	11994	8	• Gasket	
	969011	1	• Gasket	
	416033	2	• Sealing ring	
	418445	2	• Sealing ring	
3582851		1	• Sealing ring	
3501530		1	• Gasket	
	469482	2	• Sealing ring	
	469483	6	• Sealing ring	
	829487	1	• Gasket	
	838807	1	• Sealing ring	
	859086	2	• Sealing ring	
	858986	4	• Sealing ring	
	842913	3	• Sealing ring	
	859038	1	• Gasket	

99 Repair Kits

AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A

Ref	Part No.	Qty	Description	Notes
	859111	1	• Gasket	
	859002	1	• Gasket	
	858570	1	• Seal	
	968971	1	• O-ring	
	969011	4	• Gasket	
	947627	1	• Gasket	
	949187	1	• O-ring	
	949657	1	• O-ring	
	955981	4	• O-ring	
	957171	8	• Gasket	
	957181	2	• Gasket	
	859039	1	• Gasket	
	859027	1	• Gasket	
	1542385	2	• Sealing ring	
	861250	1	• Gasket	
	876234	1	Decal set	The kit includes all decals that is used on the engine.

Ref	Part No.	Qty	Description	Notes
1	876851	6	Cylinder liner kit	Cylinder Liner Kits D31,41,42
			• Bulletin 44-28C	
1		6	• Cylinder liner	
		6	• Piston	
	422793	6	• Piston pin	
	914519	12	• Snap ring	
		6	• Sealing ring, upper	
		12	• O-ring	
		6	• O-ring	
		6	• Piston ring, upper	
		6	• Piston ring, lower	
		6	• Oil scraper ring	
	275751	6	Sealing ring kit	Std D U.S=0,25mm U.S=0,50mm U.S=0,75mm
		6	• Sealing ring	
		12	• O-ring, middle and lower	
		6	• O-ring, upper	
	876528	6	Piston ring kit	
		6	• Piston ring, upper	
		6	• Piston ring, lower	
		6	• Oil scraper ring	
	876511	6	Big-end bearing kit	
	876512	6	Big-end bearing kit	
	876513	6	Big-end bearing kit	
	876514	6	Big-end bearing kit	
	876515	6	Main bearing kit	Std D O.S=0,10mm/U.S=0,25mm O.S=0,20mm/U.S=0,50mm O.S=0,20mm/U.S=0,75mm
	876516	6	Main bearing kit	
	876517	6	Main bearing kit	
	876518	6	Main bearing kit	
	876519	1	Thrust bearing	
	876520	1	Thrust bearing	
	876521	1	Thrust bearing	
	876522	1	Thrust bearing	
	877223	1	Overhaul kit, basic	
	876511	6	• Big-end bearing kit	
	876515	6	• Main bearing kit	
	876519	1	• Thrust bearing	
	876774	1	• Overhaul gasket kit	Std D O.S=0,10mm/U.S=0,25mm O.S=0,20mm/U.S=0,50mm O.S=0,20mm/U.S=0,75mm
	877386	1	• Gasket kit	
	3582563	1	• Connector kit	
	3583787	1	• De-carbonizing kit	
	3817034	6	• Cylinder liner kit	
	276166	1	Oil pump kit	
	470234	2	• Bushing	
	860722	1	• Shaft	
	425185	1	• Gear	
	424133	1	• Washer	
	910115	1	• Woodruff key	
	876794	1	Repair kit, water pump	
	181538	1	• Ball bearing	Std D O.S=0,10mm/U.S=0,25mm O.S=0,20mm/U.S=0,50mm O.S=0,20mm/U.S=0,75mm
	1660609	1	• Ball bearing	
		1	• Shaft	
	914462	1	• Snap ring	
	1676432	1	• Sealing ring	
	859027	1	• Gasket	
		1	• Impeller	
	876312	1	Connector kit, turbo	
	11994	3	• Gasket	
	18665	1	• Gasket	
	420641	1	• Plane gasket	
	838855	1	• Sealing ring	
	838864	1	• V-clamp	

Ref	Part No.	Qty	Description	Notes
	842986	1	• Gasket	
	859111	1	• Gasket	
	860105	1	• Gasket	
	864723	1	• Sealing ring	
	883833	1	• Carton	
	967944	1	• O-ring	
	969011	2	• Gasket	
	976044	1	• O-ring	
	861501	1	Repair kit, turbo	For 861260
		2	• Bushing	
		4	• Lock ring	
		2	• Piston ring	
		1	• Thrust bearing	
		1	• Oil deflector	
		1	• Piston ring	
		6	• Screw	
		1	• O-ring	
		4	• Screw	
		1	• Nut	
	955270	6	• Hexagon screw	
	(858662)	4	• Segment	Obsolete part
	(858664)	3	• Segment	Obsolete part
		6	• Screw	
	876104	1	De-carbonizing kit, decarbonizing	
	11994	4	• Gasket	
	469846	6	• Sealing ring	
	3580742	1	• Gasket	
	838653	1	• Gasket	
	838654	3	• Gasket	
	876144	3	• Gasket kit	
	838766	1	• Sealing ring	
	925067	6	• O-ring	
	940096	1	• Gasket	
	947624	1	• Gasket	
	957171	2	• Gasket	
	1306630	6	• Valve stem seal	
	1542052	3	• Seal	
	969198	2	• O-ring	
	1542198	1	• Sealing ring	
	843449	1	• Gasket	
	1542187	1	• Gasket	
	1306630	6	• Valve stem seal	
	876362	1	Gasket kit, reconditioning	
	11994	12	• Gasket	
	416033	2	• Sealing ring	
	3501530	1	• Gasket	
	469482	2	• Sealing ring	
	469483	6	• Sealing ring	
	829487	1	• Gasket	
	838807	1	• Sealing ring	
	859086	2	• Sealing ring	
	858986	4	• Sealing ring	
	842913	3	• Sealing ring	
	859038	1	• Gasket	
	859002	1	• Gasket	
	858570	1	• Seal	
	968971	2	• O-ring	
	949187	1	• O-ring	
	949657	1	• O-ring	
	949658	3	• O-ring	
	955891	6	• Washer	
	957171	12	• Gasket	
	957181	2	• Gasket	
	3582851	1	• Sealing ring	
	859039	1	• Gasket	
	859027	1	• Gasket	
	861251	1	• Gasket	

Ref	Part No.	Qty	Description	Notes
	1542318	1	• Sealing ring	
	1542385	3	• Sealing ring	
	876234	1	Decal set	The kit includes all decals that is used on the engine.

Ref	Part No.	Qty	Description	Notes
1	876851	6	Cylinder liner kit	Cylinder Liner Kits D31,41,42
			• Bulletin 44-28C	
1		6	• Cylinder liner	
		6	• Piston	
	422793	6	• Piston pin	
	914519	12	• Snap ring	
		6	• Sealing ring, upper	
		12	• O-ring	
		6	• O-ring	
		6	• Piston ring, upper	
		6	• Piston ring, lower	
		6	• Oil scraper ring	
	275751	6	Sealing ring kit	Std D U.S=0,25mm U.S=0,50mm U.S=0,75mm
		6	• Sealing ring	
		12	• O-ring, middle and lower	
		6	• O-ring, upper	
	876528	6	Piston ring kit	
		6	• Piston ring, upper	
		6	• Piston ring, lower	
		6	• Oil scraper ring	
	876511	6	Big-end bearing kit	
	876512	6	Big-end bearing kit	
	876513	6	Big-end bearing kit	
	876514	6	Big-end bearing kit	
	876515	6	Main bearing kit	Std D U.S=0,25mm U.S=0,50mm U.S=0,75mm
	876516	6	Main bearing kit	
	876517	6	Main bearing kit	
	876518	6	Main bearing kit	
	876519	1	Thrust bearing	
	876520	1	Thrust bearing	
	876521	1	Thrust bearing	
	876522	1	Thrust bearing	
	877223	1	Overhaul kit, basic	
	876511	6	• Big-end bearing kit	
	876515	6	• Main bearing kit	
	876519	1	• Thrust bearing	
	876774	1	• Overhaul gasket kit	Std D O.S=0,10mm/U.S=0,25mm O.S=0,20mm/U.S=0,50mm O.S=0,20mm/U.S=0,75mm
	877386	1	• Gasket kit	
	3582563	1	• Connector kit	
	3583787	1	• De-carbonizing kit	
	3817034	6	• Cylinder liner kit	
	276166	1	Oil pump kit	
	470234	2	• Bushing	
	860722	1	• Shaft	
	425185	1	• Gear	
	424133	1	• Washer	
	910115	1	• Woodruff key	
	876794	1	Repair kit, water pump	
	181538	1	• Ball bearing	Std D O.S=0,10mm/U.S=0,25mm O.S=0,20mm/U.S=0,50mm O.S=0,20mm/U.S=0,75mm
	1660609	1	• Ball bearing	
		1	• Shaft	
	914462	1	• Snap ring	
	1676432	1	• Sealing ring	
	859027	1	• Gasket	
		1	• Impeller	
	876312	1	Connector kit, turbo	
	11994	3	• Gasket	
	18665	1	• Gasket	
	420641	1	• Plane gasket	
	838855	1	• Sealing ring	
	838864	1	• V-clamp	

Ref	Part No.	Qty	Description	Notes
	842986	1	• Gasket	
	859111	1	• Gasket	
	860105	1	• Gasket	
	864723	1	• Sealing ring	
	883833	1	• Carton	
	967944	1	• O-ring	
	969011	2	• Gasket	
	976044	1	• O-ring	
	858709	1	Repair kit, turbo	For 860916
	(838562)	2	• Bushing	Obsolete part
	(845042)	4	• Lock ring	Obsolete part
		2	• Piston ring	
	(858710)	1	• Thrust bearing	Obsolete part
	(845047)	1	• Oil deflector	Obsolete part
		1	• Piston ring	
	838567	1	• O-ring	
	(838426)	1	• O-ring	Obsolete part
	(845829)	4	• Screw	Obsolete part
	(838568)	4	• Washer	Obsolete part
	(848711)	1	• Lock nut	Obsolete part
	858661	6	• Hexagon screw	
	(858662)	4	• Segment	Obsolete part
	(858664)	3	• Segment	Obsolete part
	955293	6	• Hexagon screw	
	861501	1	Repair kit, turbo	For 861260
		2	• Bushing	
		4	• Lock ring	
		2	• Piston ring	
		1	• Thrust bearing	
		1	• Oil deflector	
		1	• Piston ring	
		6	• Screw	
		1	• O-ring	
		4	• Screw	
		1	• Nut	
	955270	6	• Hexagon screw	
	(858662)	4	• Segment	Obsolete part
	(858664)	3	• Segment	Obsolete part
		6	• Screw	
	876110	1	Gasket kit, intercooler	
	864723	1	• Sealing ring	
	860920	2	• Gasket	
	858986	4	• Sealing ring	
	858979	1	• Sealing ring	
	847573	1	• Sealing strip	
	838831	1	• Sealing strip	
	876104	1	De-carbonizing kit, decarbonizing	
	11994	4	• Gasket	
	469846	6	• Sealing ring	
	3580742	1	• Gasket	
	838653	1	• Gasket	
	838654	3	• Gasket	
	876144	3	• Gasket kit	
	838766	1	• Sealing ring	
	925067	6	• O-ring	
	940096	1	• Gasket	
	947624	1	• Gasket	
	957171	2	• Gasket	
	1306630	6	• Valve stem seal	
	1542052	3	• Seal	
	969198	2	• O-ring	
	1542198	1	• Sealing ring	
	843449	1	• Gasket	
	1542187	1	• Gasket	
	1306630	6	• Valve stem seal	

99 Repair Kits: B

TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A

Ref	Part No.	Qty	Description	Notes
	876362	1	Gasket kit, reconditioning	
	11994	12	• Gasket	
	416033	2	• Sealing ring	
	3501530	1	• Gasket	
	469482	2	• Sealing ring	
	469483	6	• Sealing ring	
	829487	1	• Gasket	
	838807	1	• Sealing ring	
	859086	2	• Sealing ring	
	858986	4	• Sealing ring	
	842913	3	• Sealing ring	
	859038	1	• Gasket	
	859002	1	• Gasket	
	858570	1	• Seal	
	968971	2	• O-ring	
	949187	1	• O-ring	
	949657	1	• O-ring	
	949658	3	• O-ring	
	955891	6	• Washer	
	957171	12	• Gasket	
	957181	2	• Gasket	
	3582851	1	• Sealing ring	
	859039	1	• Gasket	
	859027	1	• Gasket	
	861251	1	• Gasket	
	1542318	1	• Sealing ring	
	1542385	3	• Sealing ring	
	876234	1	Decal set	The kit includes all decals that is used on the engine.

Ref	Part No.	Qty	Description	Notes
1	876851	6	Cylinder liner kit	Cylinder Liner Kits D31,41,42
			• Bulletin 44-28C	
1		6	• Cylinder liner	
		6	• Piston	
	422793	6	• Piston pin	
	914519	12	• Snap ring	
		6	• Sealing ring, upper	
		12	• O-ring	
		6	• O-ring	
		6	• Piston ring, upper	
		6	• Piston ring, lower	
		6	• Oil scraper ring	
	275751	6	Sealing ring kit	Std D U.S=0,25mm U.S=0,50mm U.S=0,75mm
		6	• Sealing ring	
		12	• O-ring, middle and lower	
		6	• O-ring, upper	
	876528	6	Piston ring kit	
		6	• Piston ring, upper	
		6	• Piston ring, lower	
		6	• Oil scraper ring	
	876511	6	Big-end bearing kit	
	876512	6	Big-end bearing kit	
	876513	6	Big-end bearing kit	
	876514	6	Big-end bearing kit	
	876515	6	Main bearing kit	Std D O.S=0,10mm/U.S=0,25mm O.S=0,20mm/U.S=0,50mm O.S=0,20mm/U.S=0,75mm
	876516	6	Main bearing kit	
	876517	6	Main bearing kit	
	876518	6	Main bearing kit	
	876519	1	Thrust bearing	
	876520	1	Thrust bearing	
	876521	1	Thrust bearing	
	876522	1	Thrust bearing	
	877223	1	Overhaul kit, basic	
	876511	6	• Big-end bearing kit	
	876515	6	• Main bearing kit	
	876519	1	• Thrust bearing	
	876774	1	• Overhaul gasket kit	
	877386	1	• Gasket kit	
	3582563	1	• Connector kit	
	3583787	1	• De-carbonizing kit	
	3817034	6	• Cylinder liner kit	
	276166	1	Oil pump kit	Std D O.S=0,10mm/U.S=0,25mm O.S=0,20mm/U.S=0,50mm O.S=0,20mm/U.S=0,75mm
	470234	2	• Bushing	
	860722	1	• Shaft	
	425185	1	• Gear	
	424133	1	• Washer	
	910115	1	• Woodruff key	
	876794	1	Repair kit, water pump	
	181538	1	• Ball bearing	
	1660609	1	• Ball bearing	
		1	• Shaft	
	914462	1	• Snap ring	
	1676432	1	• Sealing ring	
	859027	1	• Gasket	
		1	• Impeller	
	876312	1	Connector kit, turbo	Std D O.S=0,10mm/U.S=0,25mm O.S=0,20mm/U.S=0,50mm O.S=0,20mm/U.S=0,75mm
	11994	3	• Gasket	
	18665	1	• Gasket	
	420641	1	• Plane gasket	
	838855	1	• Sealing ring	
	838864	1	• V-clamp	

Ref	Part No.	Qty	Description	Notes
	842986	1	• Gasket	
	859111	1	• Gasket	
	860105	1	• Gasket	
	864723	1	• Sealing ring	
	883833	1	• Carton	
	967944	1	• O-ring	
	969011	2	• Gasket	
	976044	1	• O-ring	
	861501	1	Repair kit, turbo	For 861260
		2	• Bushing	
		4	• Lock ring	
		2	• Piston ring	
		1	• Thrust bearing	
		1	• Oil deflector	
		1	• Piston ring	
		6	• Screw	
		1	• O-ring	
		4	• Screw	
		1	• Nut	
	955270	6	• Hexagon screw	
	(858662)	4	• Segment	Obsolete part
	(858664)	3	• Segment	Obsolete part
		6	• Screw	
	876110	1	Gasket kit, intercooler	
	864723	1	• Sealing ring	
	860920	2	• Gasket	
	858986	4	• Sealing ring	
	858979	1	• Sealing ring	
	847573	1	• Sealing strip	
	838831	1	• Sealing strip	
	876104	1	De-carbonizing kit, decarbonizing	
	11994	4	• Gasket	
	469846	6	• Sealing ring	
	3580742	1	• Gasket	
	838653	1	• Gasket	
	838654	3	• Gasket	
	876144	3	• Gasket kit	
	838766	1	• Sealing ring	
	925067	6	• O-ring	
	940096	1	• Gasket	
	947624	1	• Gasket	
	957171	2	• Gasket	
	1306630	6	• Valve stem seal	
	1542052	3	• Seal	
	969198	2	• O-ring	
	1542198	1	• Sealing ring	
	843449	1	• Gasket	
	1542187	1	• Gasket	
	1306630	6	• Valve stem seal	
	876362	1	Gasket kit, reconditioning	
	11994	12	• Gasket	
	416033	2	• Sealing ring	
	3501530	1	• Gasket	
	469482	2	• Sealing ring	
	469483	6	• Sealing ring	
	829487	1	• Gasket	
	838807	1	• Sealing ring	
	859086	2	• Sealing ring	
	858986	4	• Sealing ring	
	842913	3	• Sealing ring	
	859038	1	• Gasket	
	859002	1	• Gasket	
	858570	1	• Seal	
	968971	2	• O-ring	
	949187	1	• O-ring	
	949657	1	• O-ring	

Ref	Part No.	Qty	Description	Notes
	949658	3	• O-ring	
	955891	6	• Washer	
	957171	12	• Gasket	
	957181	2	• Gasket	
	3582851	1	• Sealing ring	
	859039	1	• Gasket	
	859027	1	• Gasket	
	861251	1	• Gasket	
	1542318	1	• Sealing ring	
	1542385	3	• Sealing ring	
	876234	1	Decal set	The kit includes all decals that is used on the engine.

Ref	Part No.	Qty	Description	Notes
1	876266	1	Gasket kit, upper gear	Repl by 876279
	17253	2	• Cotter pin	
	17276	1	• Cotter pin	
	125017	1	• O-ring	
	181620	2	• Sealing ring	
	804344	1	• Gasket	
	814168	1	• Gasket	
	814356	1	• Seal	
	876278	1	• Bushing kit	
	832669	1	• Gasket	
	876279	1	• Bushing kit	
	853223	2	• • Bushing	
	853868	1	• Sealing ring	
	897682	1	• Gasket	
	925093	1	• O-ring	
	925095	1	• O-ring	
	925256	2	• O-ring	
	925259	1	• O-ring	
	942615	1	• Sealing ring	
	955974	1	• O-ring	
	955989	1	• O-ring	
	956000	1	• O-ring	
	876267	1	Gasket kit, Lower Gear	
	125017	1	• O-ring	
	851407	2	• Sealing ring	
	852212	1	• Nut	
	853871	1	• Sealing ring	
	906633	1	• Round nut	
	907023	1	• Lock washer	
	925256	1	• O-ring	
	925258	2	• O-ring	
	941820	1	• O-ring	
	955974	1	• O-ring	
	969071	1	• Round nut	
	872755	1	• Sealing ring	

Description	
Cylinder Head: A	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Cylinder Head: B	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Cylinder Head: C	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Cylinder Head: A	AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-
Cylinder Head: B	AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-
Cylinder Block and Flywheel Housing	AD31L-A, TAMD31L-A, TAMD31M-A, TAMD31S-A, TMD31L-A
Cylinder Block and Flywheel Housing	AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-
Cylinder Block and Flywheel Housing: SOLAS	TAMD31L-A, TAMD31M-A
Cylinder Block and Flywheel Housing: SOLAS	TAMD41P-A
Timing Gear Casing and Gears	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Timing Gear Casing and Gears	AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-
Camshaft and Valve Mechanism	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Camshaft and Valve Mechanism	AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-
Crank Mechanism	AD31L-A, AD31P-A
Crank Mechanism	AD41L-A, AD41P-A, D41L-A
Crank Mechanism	TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Crank Mechanism	TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A
Crank Mechanism	TMD41L-A
Engine Suspension for SX-Drive	AD31L-A, AD31P-A
Engine Suspension for DP-Drive	AD31L-A, AD31P-A
Engine Mounting for Jack Shaft Installations	AD31L-A, AD31P-A
Engine Suspension for DP-Drive	AD41L-A, AD41P-A, D41L-A
Engine Mounting for Jack Shaft Installations	AD41L-A, AD41P-A, D41L-A
Engine Suspension for SOLAS Version	TAMD31L-A, TAMD31M-A, TAMD41P-A
Engine Mounting	TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A
Engine Mounting	TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A
Engine Mounting for Jack Shaft Installations	TAMD41L-A
Engine Mounting: A	HS1A
Engine Mounting: PRM	HS1A
Engine Mounting: Borg Warner	HS1A
Engine Mounting: A	HS1A
Engine Mounting: PRM	HS1A
Engine Mounting: Borg Warner	HS1A
Extra Pulley: TYPE HC50	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Extra Pulley: TYPE B	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM

Description	
Lubricating System	AD31L-A, AD31P-A
Lubricating System	AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A
Lubricating System	TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A
Lubricating System	TMD31L-A
Oil Pump, Components	AD31L-A, AD31P-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A
Oil Filter Housing	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Oil Filter Housing	AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A
Electric Bilge Pump 12V/24V: 12V	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Electric Bilge Pump 12V/24V: 24V	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Oil Dipstick Kit, Left Side	AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A

Description	
Fuel System	AD31L-A, AD31P-A
Fuel System	AD41L-A, AD41P-A
Fuel System	D41L-A, TMD41L-A
Fuel System	TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A
Fuel System	TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A
Fuel System	TMD31L-A
Fuel Filter	AD31L-A, AD31P-A
Fuel Filter	AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A
Fuel Filter	D41L-A, TAMD41H-B, TMD41L-A
Fuel Injection Pump, Components: 861119	AD31L-A
Fuel Injection Pump, Components: 860914	AD31P-A, TAMD31M-A
Fuel Injection Pump, Components: 861765	AD41P-A
Fuel Injection Pump, Components: 860270	AD41P-A, TAMD41P-A
Fuel Injection Pump, Components: 861315	D41L-A, TMD41L-A
Fuel Injection Pump, Components: 860513	TAMD31L-A
Fuel Injection Pump, Components: 860915	TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A
Fuel Injection Pump, Components: 861316	TAMD41H-A, TAMD41L-A
Fuel Injection Pump, Components: 861102	TAMD41P-A
Fuel Injection Pump, Components: 3581579	TMD31L-A
Fuel Injector, Components: 861103	AD31L-A, AD31P-A, AD41L-A, AD41P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A,
Fuel Injector, Components: 859494	AD41L-A, AD41P-A, TAMD31L-A, TAMD31M-A
Fuel Filter and Water Separator	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Fuel Filter and Water Separator, RINA-approved	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Fuel Filter and Water Separator, RINA-approved	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Fuel Filter and Water Separator	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Fuel Filter and Water Separator	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Fuel Filter and Water Separator, RINA-approved	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Fuel Filter and Water Separator	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM

Description	
Induction and Exhaust Manifold: A	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A
Induction and Exhaust Manifold: B	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A
Induction and Exhaust Manifold	AD41L-A
Induction and Exhaust Manifold	AD41L-A, AD41P-A
Induction and Exhaust Manifold	TAMD31S-A
Induction and Exhaust Manifold	TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A
Induction and Exhaust Manifold	TMD31L-A
Induction and Exhaust Manifold	TMD41L-A
Turbocharger and Air Filter	AD31L-A, TAMD31L-A, TAMD31M-A
Turbocharger and Air Filter	AD31P-A, TAMD31P-A
Turbocharger and Air Filter	TAMD31S-A
Turbocharger and Air Filter	AD41L-A, AD41P-A, D41L-A
Turbocharger and Air Filter	TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A
Turbocharger and Air Filter	TMD31L-A
Turbocharger and Air Filter	TMD41L-A
Turbocharger, Components	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A
Turbocharger, Components:	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TMD31L-A
860916	
Turbocharger, Components	AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A
Exhaust Thermo Switch Control	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Drip Protection for Air Filter,	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Earlier Edition	
Water Cooled Silencer and	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Exhaust Line	
Dry Exhaust Line	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Glow Plug Kit: 874117	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Glow Plug Kit, SOLAS Version	TAMD31L-A, TAMD31M-A, TAMD41P-A

Description	
Oil Cooler: 860633	AD31L-A, AD31P-A
Oil Cooler: 861600	AD31L-A, AD31P-A
Oil Cooler, Components	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41L-A
Oil Cooler, Components	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD41H-A, TMD31L-A
Oil Cooler: 860635	AD41L-A, AD41P-A
Oil Cooler: 861601	AD41L-A, AD41P-A
Oil Cooler, Components	AD41L-A, AD41P-A, D41L-A, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A
Oil Cooler, Components	AD41L-A, AD41P-A, D41L-A, TMD41L-A
Oil Cooler: 860635	D41L-A
Oil Cooler: 861601	D41L-A
Oil Cooler: 860633	TAMD31L-A, TAMD31M-A, TAMD31P-A
Oil Cooler: 861600	TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A
Oil Cooler: 860633	TAMD41H-A
Oil Cooler: 861600	TAMD41H-A, TAMD41H-B
Oil Cooler: 861600	TAMD41P-A, TAMD41L-A, TAMD41M-A
Oil Cooler: 860635	TAMD41P-A, TAMD41L-A, TAMD41M-A
Oil Cooler: 861600	TMD31L-A
Oil Cooler: 860633	TMD31L-A
Oil Cooler: 860635	TMD41L-A
Oil Cooler: 861601	TMD41L-A
Heat Exchanger: A	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Heat Exchanger: B	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Heat Exchanger: C	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Heat Exchanger: A	AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A
Heat Exchanger: B	AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A
Heat Exchanger: C	AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A
Water Pump	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Water Pump for Sea Water Cooled Version	AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A
Water Pump and Expansion Tank for Keel Cooling	TAMD41H-A, TAMD41H-B
Repair Kit for Waterpump 23059414	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Thermostat Housing	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Thermostat Housing	AD41L-A, AD41P-A, D41L-A, TMD41L-A
Thermostat Housing	TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A
Aftercooler	AD31L-A, TAMD31L-A, TAMD31M-A, TAMD31S-A
Aftercooler	AD31P-A, TAMD31P-A
Aftercooler	AD41L-A, AD41P-A
Aftercooler	TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A
Sea Water Pump and Sea Water Filter	AD31L-A, AD31P-A
Sea Water Pump	AD31L-A, AD31P-A
Sea Water Pump	TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Sea Water Pump	AD41L-A, AD41P-A, D41L-A
Sea Water Pump and Sea Water Filter	AD41L-A, AD41P-A, D41L-A
Sea Water Pump	TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A
Sea Water Pump, Components: 860629	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Sea Water Pump, Components	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Sea Water Pump, Components: 3581559	TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A
Sea Water Pump, Components: 861168	TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A
Expansion Tank: 861623	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Expansion Tank: 3581297	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Hot Water Outlet	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Vacuum Valve	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Sea Water Filter and Water Intake	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Sea Water Filter	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Cooling Water Intake for Engine with SX Drive	AD31L-A, AD31P-A
Vacuum Valve and Sea Water Filter	TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD41H-A, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A

Description	
Control Connection, Speed and Stop Control	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Control Connection, Speed and Stop Control	AD41L-A, AD41P-A, D41L-A, TAMD41H-A, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A
Control for Side Installation, PC740: PC740	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Control for Side Installation, PC740: PC740, SAILING BOAT	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Control for Side Installation, PC840	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Control for Side Installation, PC741, PC841: PC741	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Control for Side Installation, PC741, PC841: PC841	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Control for top Installation, PC740: SINGLE	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Control for top Installation, PC740: TWIN	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Control for top Installation, PC840: 853168	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Control for top Installation, PC840: 853169	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Control for top Installation, PC740 Sail Boat	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Control for top Installation, PC740: SINGLE	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Control for top Installation, PC740: TWIN	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Control for top Installation, PC840 Power Trim	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Handle for Control	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Handle for Control with Power Trim: Top Installation	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Handle for Control with Power Trim: Side Installation	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Control Cables	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Control Cables, Type 233, 333, 443: Type 233	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Control Cables, Type 233, 333, 443: Type 333	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Control Cables, Type 233, 333, 443: Type 443	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Dual Station Unit	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM

Description	
Alternator	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Extra Alternator, 12V	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Extra Alternator, 24V	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Extra Alternator, 24V	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Alternator 14V 50A, Components	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Alternator 14V 60A, Components	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Alternator 14V 60A, Components: 872235	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Alternator 14V 130A, Components	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Alternator 28V 30A, Components: 849602	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Alternator 28V 60A, Components: 872927	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Alternator 28V 60A, Components: 872021	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Alternator 28V 60A, Components: 873757	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Alternator 28V 60A, Components: 873771	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Alternator 28V 100A, Components	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Charging Distributor	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Charging Distributor: 858841	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Charging Distributor: 859499	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Charging Distributor: 873120	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Starter Motor	AD31L-A, AD31P-A
Starter Motor	AD41L-A, AD41P-A, D41L-A
Starter Motor	TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TAMD41H-A, TAMD41H-B, TAMD41P-A,
Starter Motor, Components: 838987	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Starter Motor, Components: 859252	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Starter Motor, Components: 3581774	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Electrical System	AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAMD31S-A, TMD31L-A
Electrical System	AD41L-A, AD41P-A, D41L-A
Electrical System	TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A
Instrument Panel for Dual Station, 12V	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Instrument Panel 24V	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Instrument Panel 12V	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Instruments for Separate Mounting	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Speedometer Kit, High Speed	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Electronic Speed and Distance Log Kit	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Rudder Indicator Kit, 290 Drive	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Air Pressure Gauge	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Extra Instrument Panel, Hour Meter and Volt Meter	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Instr. Panel for Twin Engine Install. Mirror-Invert	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Rudder Indicator Kit for Reverse Gear	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Clock Kit	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Tank Meter Kit for Fuel	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Tank Meter Kit for Fuel	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Tank Meter Kit for Fresh Water	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Oil Level Guard, 12V	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Oil Level Guard, 24V	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Main Battery Switch	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Emergency Stop Contact	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Electrical Materials	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Electrical Materials	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Electrical Materials	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM

Description	
Control Unit for Digital/Analog Trim Instrument	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Connecting Components for SX Drive Unit	AD31L-A, AD31P-A
Exhaust and Cooling Water Inlet Hydraulic Pump and Trim Instrument	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Flywheel Housing and Primary Shaft	
Hydraulic Cylinders and Ground Cable Kit	
Transom Shield	
Duoprop Drive Unit Ratio 1.78:1	
Upper Gear Unit: A	
Upper Gear Unit: B	
Intermediate Housing	
Lower Gear Unit	
Duoprop Drive Unit Ratio 1.95:1	
Duoprop Drive Unit Ratio 2.30:1	
Lower Gear Unit	
Lower Gear Unit	
Propeller for Duoprop Drives: A-PROPELLERS	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Propeller for Duoprop Drives: B-PROPELLERS	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Propeller for Duoprop Drives: C-, E-PROPELLERS	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Propeller Cone Kit, M20	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Drive Extension, 1" (25.4mm) DP: 1" (25.4mm) DP	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Drive Extension, 4" (101.6mm) DP: 4" (101.6mm) DP	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Drive Extension, 1" (25.4MM) DPX: 1" (25.4MM) DPX	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Jack Shaft Kit	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A
Connecting Components for Borg Warner	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Connecting Components for HS1A	TAMD31L-A, TAMD31M-A, TAMD31P-A, TMD31L-A
Connecting Components for PRM 402	TAMD31M-A, TAMD41H-A, TAMD41H-B, TAMD41M-A
Connecting Components for HS1A	TAMD41H-A, TAMD41H-B, TAMD41P-A, TAMD41M-A, TMD41L-A
Connecting Components for HS63A	TAMD41H-A, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A
Connecting Components for HS63V	TAMD41H-A, TAMD41P-A, TAMD41L-A, TAMD41M-A, TMD41L-A
Reverse Gear HS1A: Ratio 1.96	HS1A
Reverse Gear HS1A: Ratio 2.62	HS1A
Duoprop Propeller, Aluminum, J Series	
Greaser and Stuffing Box	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Greaser and Stuffing Box: D=40mm	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Greaser and Stuffing Box: D=45mm	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM

Description	
Connecting Kit for Narrow Hulls	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Steering System STS330	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Steering System, Mechanical	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Steering System, Mechanical with Tilt	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Inst. Kit for Steering Cable, Manual Steering	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A
Servo Pump	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Link Rod Kit for Twin Installation	AD31L-A, AD31P-A
Servo Pump for SX-Drive	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A
Power Steering	

	Description
Tool Kit	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Bilge Pump and Engine Room Fan	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Bilge Pump, 30L - 75l/min	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Bilge Pump, 130l/min	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM
Universal Bracket	AD31L-A, AD31P-A, AD41L-A, AD41P-A, D41L-A, TAMD31L-A, TAMD31M-A, TAMD31P-A, TAM

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Ref	Description
21	Engine
22	Lubricating System
23	Fuel System
25	Intake and Exhaust System
26	Cooling System
27	Controls
30	Electrical System
44	Transmissions
64	Steering System
90	Miscellaneous Equipment
99	Repair Kits