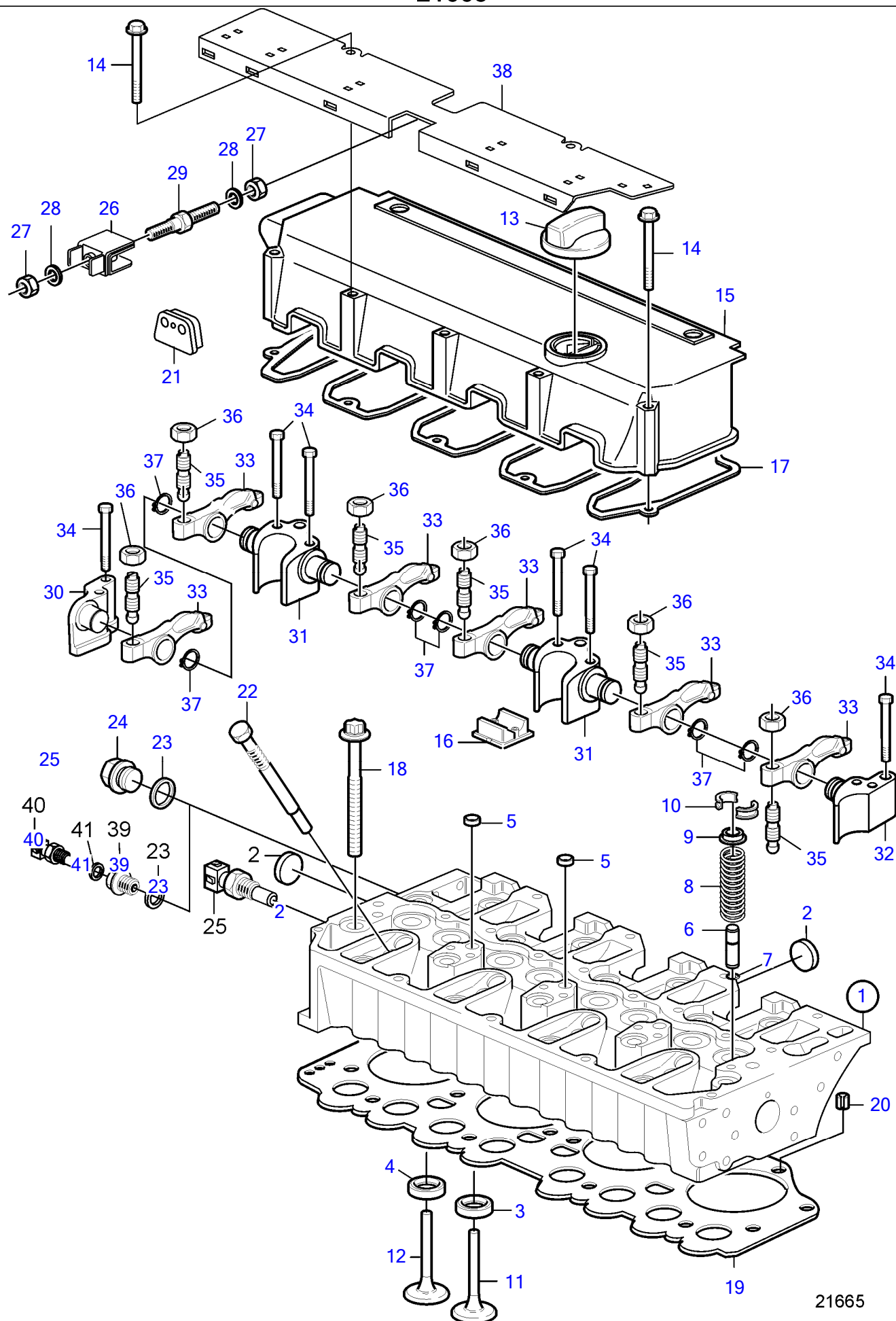
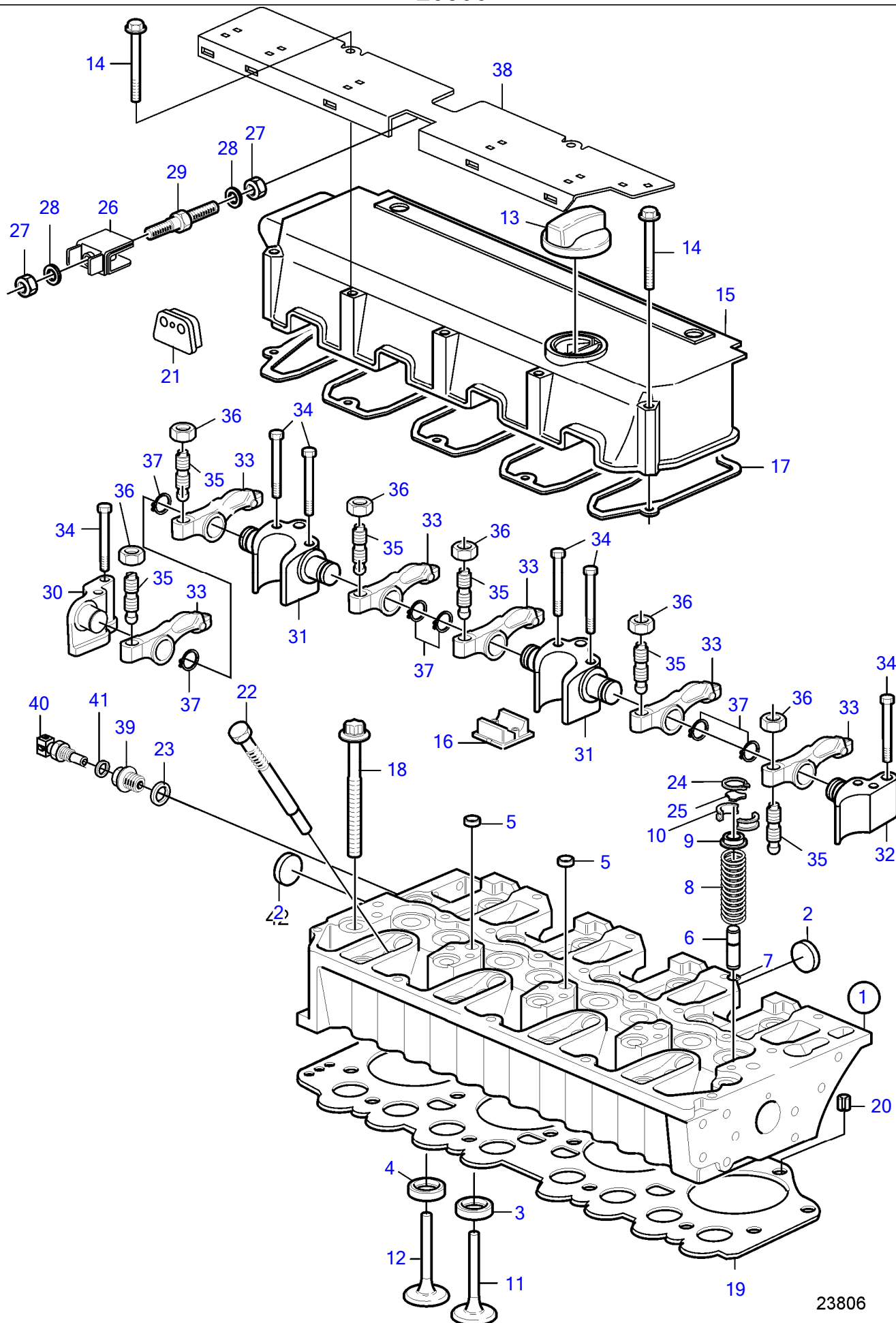




21 Cylinder Head
 TD520GE, TAD530GE, TAD531GE

Ref	Part No.	Qty	Description	Notes
1	20405500	1	Cylinder head	
	3803988	1	Cylinder head, exch, exch	
	3803988	1	Cylinder head, exch	(20405500)
2	20412745	3	• Cap plug	
3	20459962	4	• Valve seat, intake	Std=49,09mm, Std
	20580079	4	• Valve seat, intake	O.S=0,20mm
	20580080	4	• Valve seat, intake	O.S=0,40mm
4	20459963	4	• Valve seat, exhaust	Std=43,60mm, Std
	20580082	4	• Valve seat, exhaust	O.S=0,20mm
	20580083	4	• Valve seat, exhaust	O.S=0,40mm
5	20412733	3	• Cap plug	
6	20405897	8	• Valve guide	Std=15,00mm, Std
	20580074	8	• Valve guide	O.S=0,25mm
	20580078	8	• Valve guide	O.S=0.50mm
7	976013	8	• O-ring	
8	11700347	8	• Compression spring	
9	11700346	8	• Valve spring washer	
10	11700345	16	• Collet	
11	20714469	4	• Inlet valve, intake	(20572597)
12	20565912	4	• Exhaust valve, exhaust	
13	20412589	1	Filler cap	
14	20412601	9	Flange screw	
15	20412587	1	Valve cover	Only with gasket 20412588, SN-5310555383
	20725337	1	Valve cover	Only with gasket 20725315, SN5301055584-
16	20412590	1	• Cap	
17	20412588	1	Plane gasket	Gasket only for valve cover: 20412587, SN-5310555383
	20725315	1	Gasket	Metal gasket only for valve cover: 20725337, SN5301055584-
18	11700334	18	Six point screw	
19	11700335	1	Cylinder head gasket	TH=1,4mm, One dot
	23178165	1	Cylinder head gasket	TH=1,4mm, One dot
	11700336	1	Cylinder head gasket	TH=1,5mm, Two dots
	23172474	1	Cylinder head gasket	TH=1,5mm, Two dots
	11700337	1	Cylinder head gasket	TH=1,6mm, Three dots
	23193385	1	Cylinder head gasket	TH=1,6mm, Three dots
20	20405521	2	Spring pin	
21	20405886	6	Seal	
22	20405895	4	Plug	
23	947628	2	Gasket	
24	20464451	1	Plug	
25	20924086	1	Sensor, coolant water	(20543720)
26	20450956	1	Cable clamp	EDC IV
27	20460344	2	Hexagon nut	EDC IV
28	20460345	2	Washer	EDC IV
29	20580716	1	Shoulder screw	EDC IV
30	11700369	1	Bracket	
31	11700368	3	Bracket	
32	11700367	1	Bracket	
33	11700370	8	Rocker arm	
34	984741	10	Flange screw	
35	20405524	8	Adjusting screw	
36	11700373	8	Hexagon nut	
37	20549891	8	Snap ring	
38	20459964	1	Valve cover	EDC IV
39	20450683	1	Adapter	EDC IV
40	20513340	1	Sensor	EDC IV
41	969011	1	Gasket	EDC IV

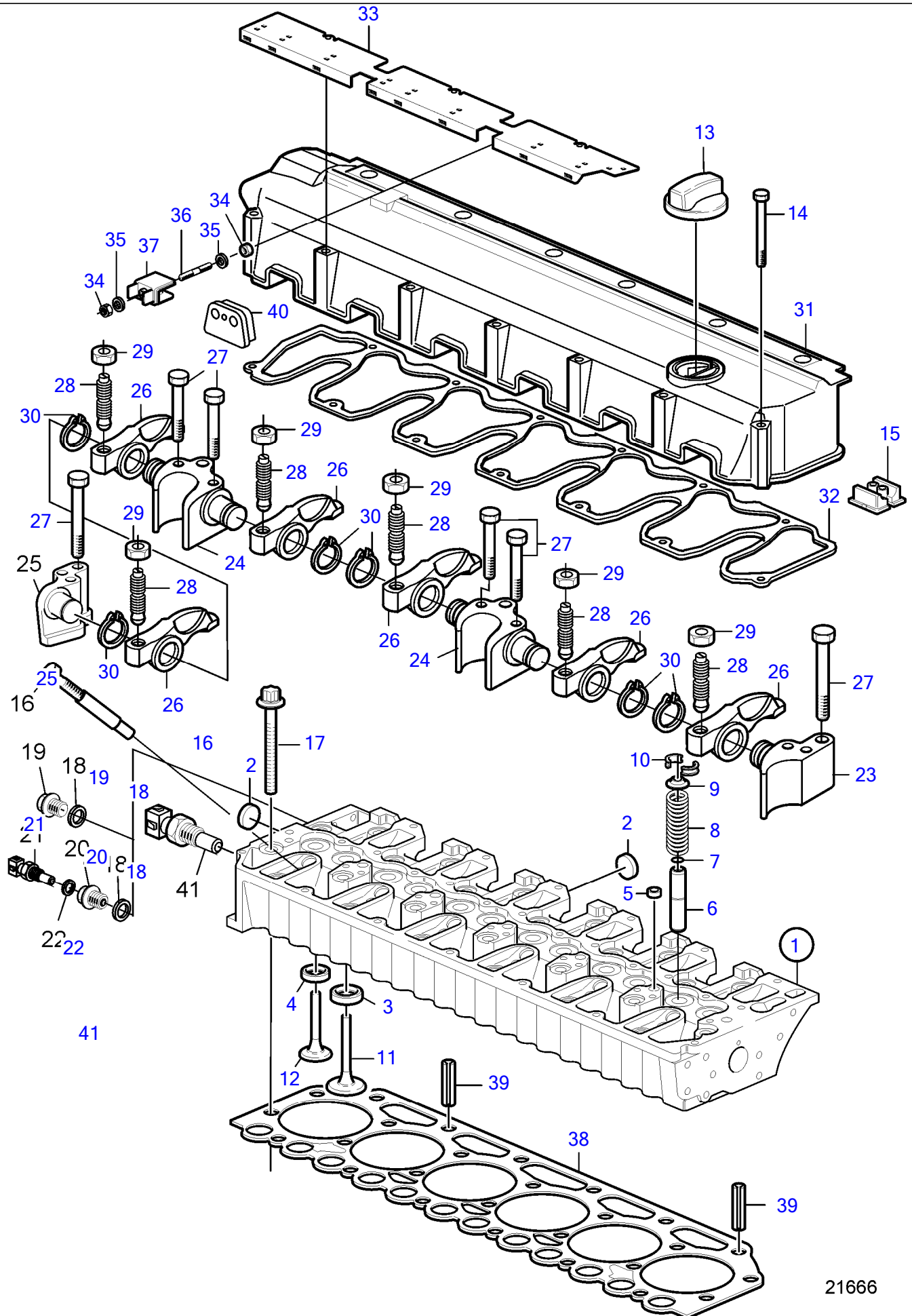
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23806



23806

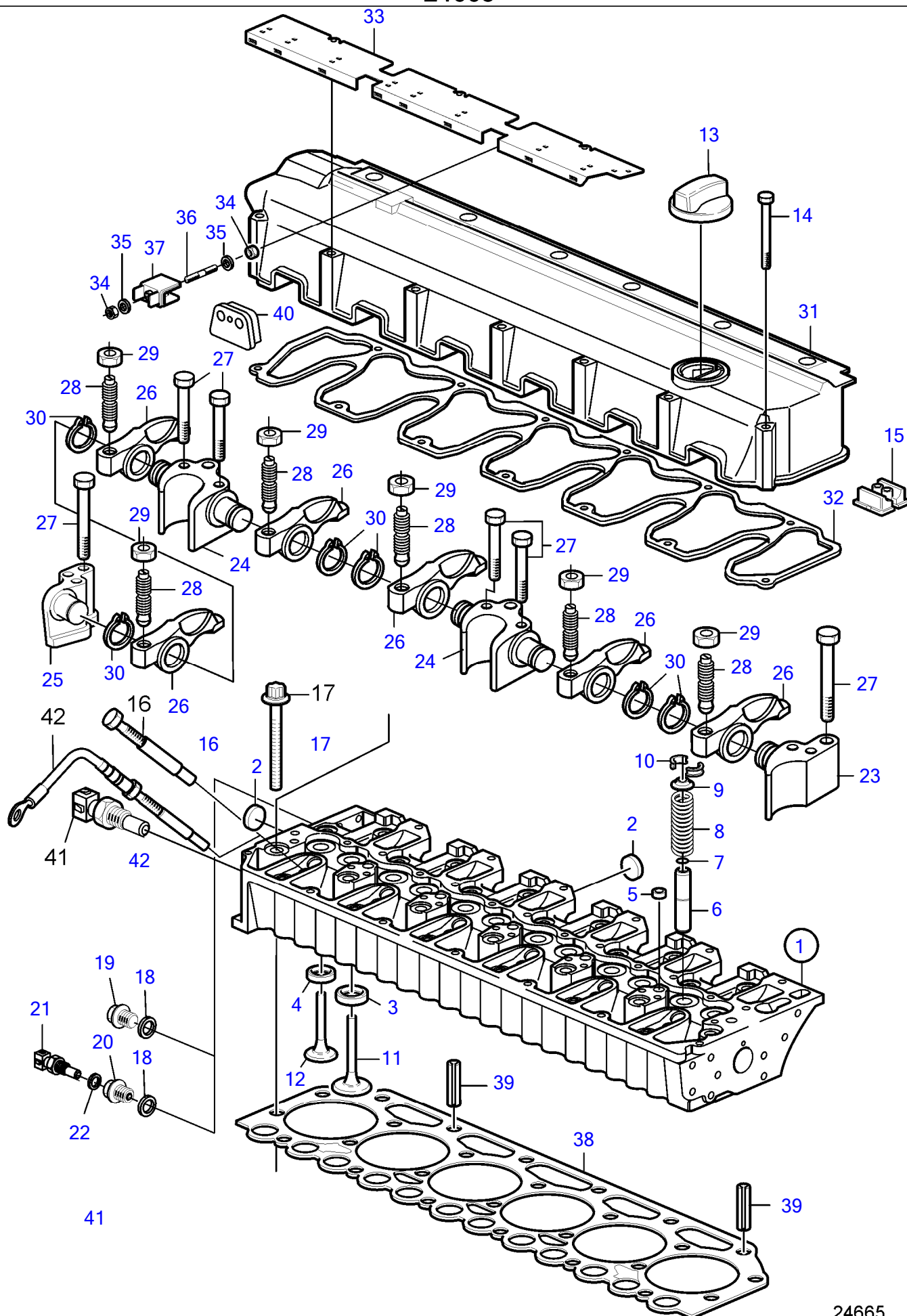
**21 Cylinder Head
TAD532GE**

Ref	Part No.	Qty	Description	Notes
1	3801234	1	Cylinder head	(21077450)
2	20412745	3	• Cap plug	
3	20459962	4	• Valve seat, intake	Std=49,09mm, Std
	20580079	4	Valve seat, intake	O.S=0,20mm
	20580080	4	Valve seat, intake	O.S=0,40mm
4	20845144	4	• Valve seat, exhaust	Std=43,60mm, Std
	20580082	4	Valve seat, exhaust	O.S=0,20mm
	20580083	4	Valve seat, exhaust	O.S=0,40mm
5	20412733	3	• Cap plug	
6	20405897	8	• Valve guide	Std=15,00mm, Std, Replaced by 21344665.
	20580074	8	• Valve guide	O.S=0,25mm
	20580078	8	• Valve guide	O.S=0.50mm
7	976013	8	• O-ring	
8	11700347	8	• Compression spring	
9	20847155	8	• Retainer	
10	11700345	16	• Collet	
11	20758481	4	• Inlet valve, intake	
12	20755883	4	• Exhaust valve, exhaust	
13	20412589	1	Filler cap	
14	20412601	9	Flange screw	
15	20725337	1	Valve cover	
16	20412590	1	• Cap	
17	20725315	1	Gasket	
18	11700334	18	Six point screw	
19	11700335	1	Cylinder head gasket	TH=1,4mm, One dot
	23178165	1	Cylinder head gasket	TH=1,4mm, One dot
	11700336	1	Cylinder head gasket	TH=1,5mm, Two dots
	23172474	1	Cylinder head gasket	TH=1,5mm, Two dots
	11700337	1	Cylinder head gasket	TH=1,6mm, Three dots
	23193385	1	Cylinder head gasket	TH=1,6mm, Three dots
20	20405521	2	Spring pin	
21	20405886	6	Seal	
22	20405895	4	Plug	
23	947628	2	Gasket	
24	20840772	1	Lock ring	
25	20840807	1	Thrust washer	
26	20450956	1	Cable clamp	EDC IV
27	20460344	2	Hexagon nut	EDC IV
28	20460345	2	Washer	EDC IV
29	20580716	1	Shoulder screw	EDC IV
30	11700369	1	Bracket	
31	11700368	3	Bracket	
32	11700367	1	Bracket	
33	20792876	8	Rocker arm	
34	984741	10	Flange screw	
35	20405524	8	Adjusting screw	
36	11700373	8	Hexagon nut	
37	20549891	8	Snap ring	
38	20459964	1	Valve cover	EDC IV
39	20450683	1	Adapter	EDC IV
40	20513340	1	Sensor	EDC IV
41	969011	1	Gasket	EDC IV



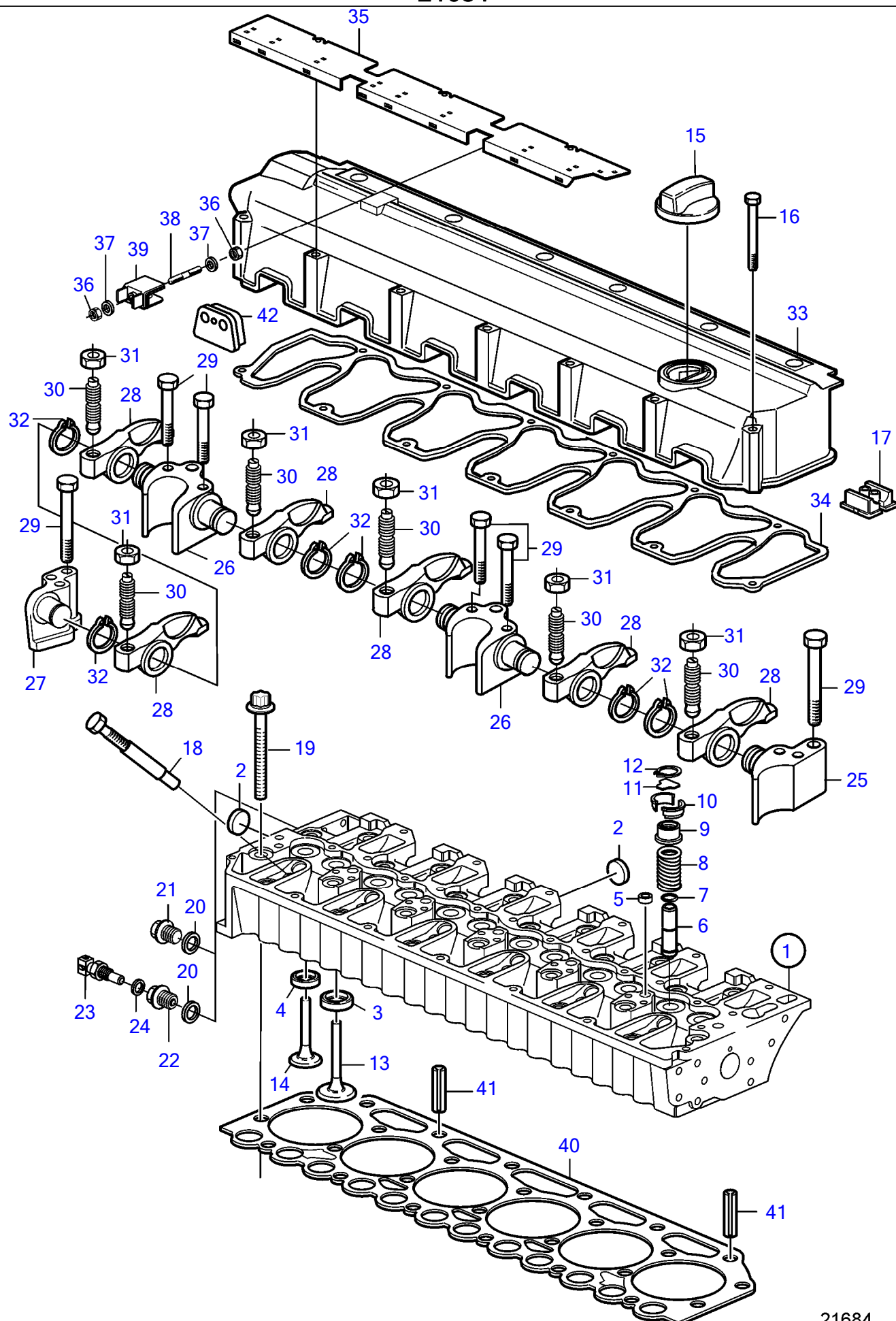
21 Cylinder Head
TAD730GE, TAD731GE

Ref	Part No.	Qty	Description	Notes
1	20405999	1	Cylinder head	
	3803527	1	Cylinder head, exch	
2	20412745	5	• Cap plug	
3	20459962	6	• Valve seat, intake	Std=49,09mm, Std
	20580079	6	Valve seat, intake	O.S=0,20mm
	20580080	6	Valve seat, intake	O.S=0,40mm
4	20459963	6	• Valve seat, exhaust	Std=43,60mm, Std
	20580082	6	• Valve seat, exhaust	O.S=0,20mm
	20580083	6	• Valve seat	O.S=0,40mm
5	20412733	5	• Cap plug	
6	20405897	12	• Valve guide	Std=15,00mm, Std, Replaced by 21344665.
	20580074	12	• Valve guide	O.S=0,25mm
	20580078	12	• Valve guide	O.S=0.50mm
7	976013	12	• O-ring	
8	11700347	12	• Compression spring	
9	11700346	12	• Valve spring washer	
10	11700345	24	• Collet	
11	20714469	6	• Inlet valve, intake	
12	20565912	6	• Exhaust valve, exhaust	
13	20412589	1	Filler cap	
14	20412601	13	Flange screw	
15	20412600	1	Cap	
16	20405895	6	Plug	
17	11700334	26	Six point screw	
18	947628	2	Gasket	
19	20464451	1	Plug	
20	20450683	1	Adapter	EDC IV
21	20513340	1	Sensor, fuel	(20450685), EDC IV
22	969011	1	• Gasket	EDC IV
23	11700367	1	Bracket	
24	11700368	2	Bracket	
25	11700369	1	Bracket	
26	11700370	12	Rocker arm	
27	984741	14	Flange screw	
28	20405524	12	Adjusting screw	
29	11700373	12	Hexagon nut	
30	20549891	12	Snap ring	
31	20412599	1	Valve cover	When replacing the valve cover gasket is only earlier prod. in combination with earl
	20725338	1	Valve cover	Only for 20725338, SN01098546-
32	20412597	1	Gasket	When replacing the valve cover gasket is only earlier prod. in combination with earl
	20725316	1	Gasket	Only for 20725338, SN01098546-
33	20450954	1	Cover plate	EDC IV
34	20460344	2	Hexagon nut	EDC IV
35	20460345	2	Washer	EDC IV
36	20580716	1	Shoulder screw	EDC IV
37	20450956	1	Cable clamp	EDC IV
38	20405900	1	Cylinder head gasket	TH=1,54mm, One dot
	20405901	1	Cylinder head gasket	TH=1,64mm, Two dots
	20405902	1	Cylinder head gasket	TH=1,74mm, Three dots
39	20405521	2	Spring pin	
40	20405886	6	Seal	
41	20924086	1	Sensor	(20543720)



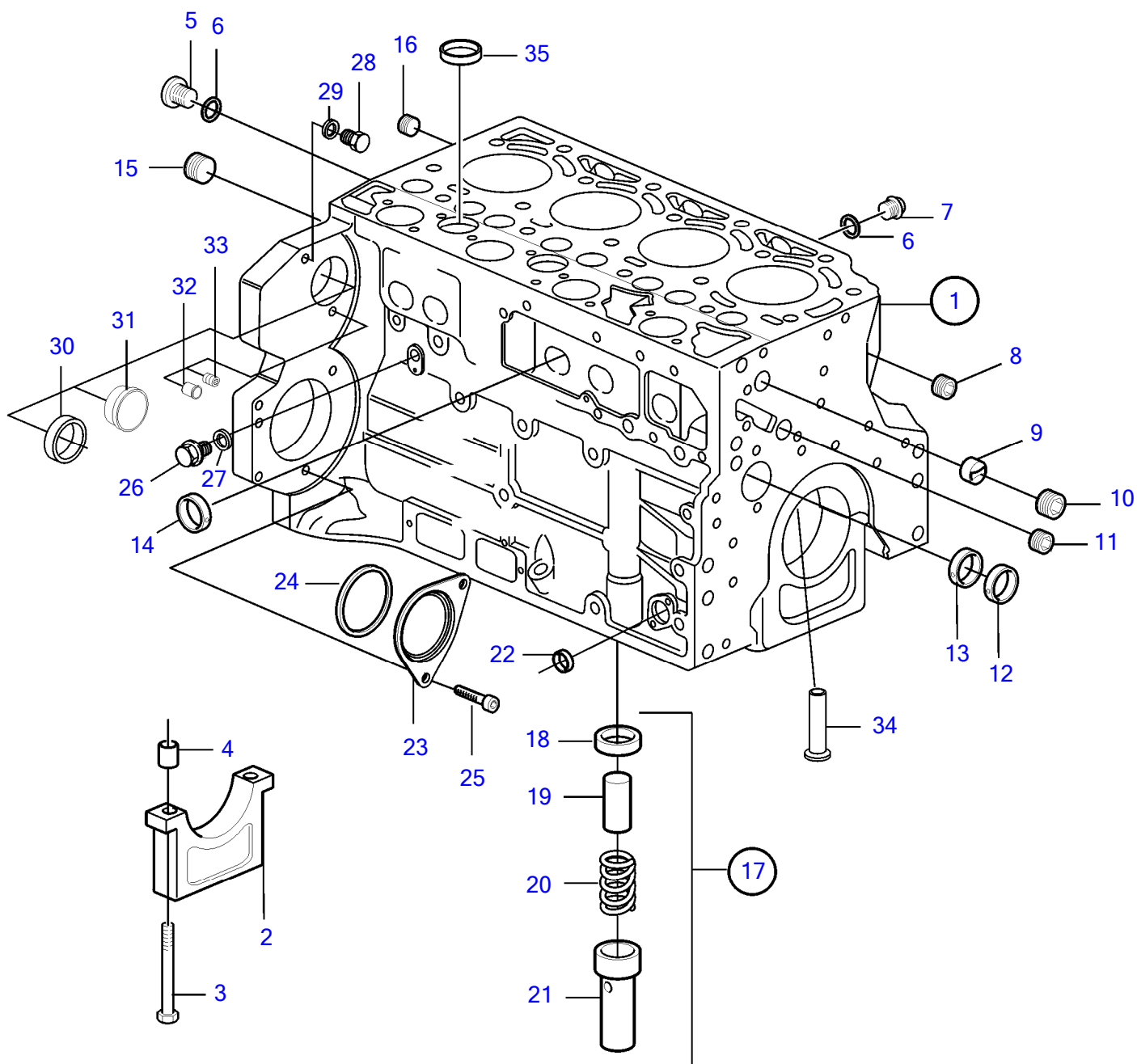
**21 Cylinder Head
TD720GE**

Ref	Part No.	Qty	Description	Notes
1	20405999	1	Cylinder head	
	3803527	1	Cylinder head, exch	(20489008)
2	20412745	5	• Cap plug	
3	20459962	6	• Valve seat, intake	Std=49,09mm, Std
	20580079	6	Valve seat, intake	O.S=0,20mm
	20580080	6	Valve seat, intake	O.S=0,40mm
4	20459963	6	• Valve seat, exhaust	Std=43,60mm, Std
	20580082	6	• Valve seat, exhaust	O.S=0,20mm
	20580083	6	• Valve seat	O.S=0,40mm
5	20412733	5	• Cap plug	
6	20405897	12	• Valve guide	Std=15,00mm, Std
	20580074	12	• Valve guide	O.S=0,25mm
	20580078	12	• Valve guide	O.S=0.50mm
7	976013	12	• O-ring	
8	11700347	12	• Compression spring	
9	11700346	12	• Valve spring washer	
10	11700345	24	• Collet	
11	20714469	6	• Inlet valve, intake	
12	20565912	6	• Exhaust valve, exhaust	
13	20412589	1	Filler cap	
14	20412601	13	Flange screw	
15	20412600	1	Cap	
16	20405895	6	Plug	
17	11700334	26	Six point screw	
18	947628	2	Gasket	
19	20464451	1	Plug	
20	20450683	1	Adapter	EDC IV
21	20513340	1	Sensor, fuel	(20450685), EDC IV
22	969011	1	• Gasket	EDC IV
23	11700367	1	Bracket	
24	11700368	2	Bracket	
25	11700369	1	Bracket	
26	11700370	12	Rocker arm	
27	984741	14	Flange screw	
28	20405524	12	Adjusting screw	
29	11700373	12	Hexagon nut	
30	20549891	12	Snap ring	
31	20412599	1	Valve cover	When replacing the valve cover gasket is only earlier prod. in combination with earl
	20725338	1	Valve cover	Only for 20725338, SN01098546-
32	20412597	1	Gasket	When replacing the valve cover gasket is only earlier prod. in combination with earl
	20725316	1	Gasket	Only for 20725338, SN01098546-
33	20450954	1	Cover plate	EDC IV
34	20460344	2	Hexagon nut	EDC IV
35	20460345	2	Washer	EDC IV
36	20580716	1	Shoulder screw	EDC IV
37	20450956	1	Cable clamp	EDC IV
38	20405900	1	Cylinder head gasket	TH=1,54mm, One dot
	20405901	1	Cylinder head gasket	TH=1,64mm, Two dots
	20405902	1	Cylinder head gasket	TH=1,74mm, Three dots
39	20405521	2	Spring pin	
40	20405886	6	Seal	
41	20924086	1	Sensor	(20543720)
42	20924080	6	Plug	12V, SN01096919-
	20783049	6	Glow plug	24V, SN1078096-



21 Cylinder Head
TAD732GE, TAD733GE

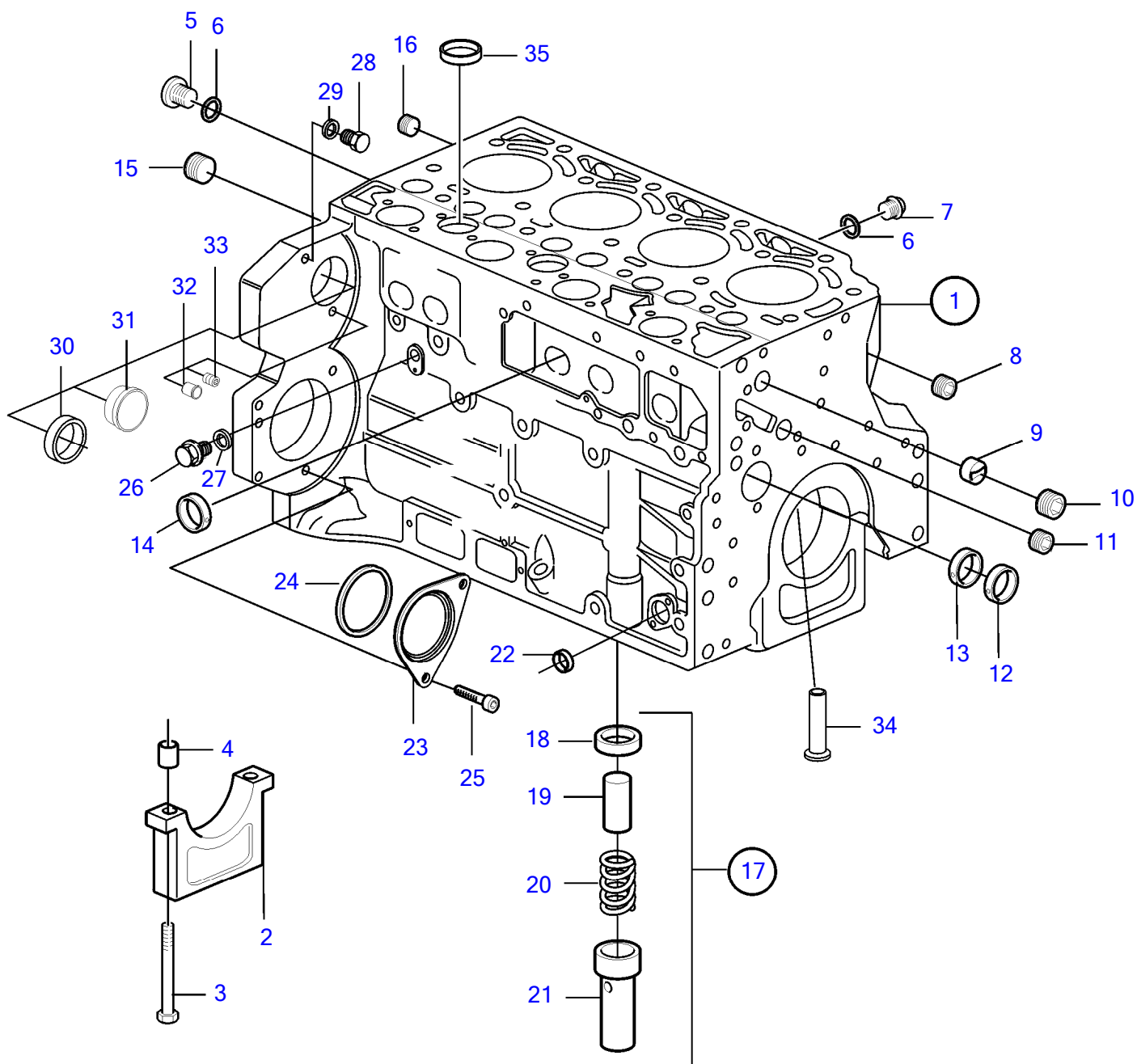
Ref	Part No.	Qty	Description	Notes
1	20735837	1	Cylinder head	
	3803965	1	Cylinder head, exch, exch	
	3803965	1	Cylinder head, exch, exchange	
	20735837	1	Cylinder head	
	3803965	1	Cylinder head, exch, exch	
2	20412745	5	• Cap plug	
3	20459962	6	• Valve seat, intake	Std=49,09mm, Std
	20580079	6	Valve seat, intake	O.S=0,20mm
	20580080	6	Valve seat, intake	O.S=0,40mm
4	20459963	6	• Valve seat, exhaust	Std=43,60mm, Std
	20580082	6	Valve seat, exhaust	O.S=0,20mm
	20580083	6	Valve seat	O.S=0,40mm
5	20412733	5	• Cap plug	
6	20405897	12	• Valve guide	Std=15,00mm, Std, Replaced by 21344665.
	20580074	12	Valve guide	O.S=0,25mm
	20580078	12	Valve guide	O.S=0,50mm
7	976013	12	• O-ring	
8	11700347	12	• Compression spring	
9	20758484	12	• Valve spring	
10	11700345	24	• Collet	
11	20776829	12	Thrust washer	
12	20776819	12	Snap ring	
13	20758481	6	• Inlet valve, intake	
14	20755883	6	• Exhaust valve, exhaust	
15	20412589	1	Filler cap	
16	20412601	13	Flange screw	
17	20412600	1	Cap	
18	20405895	6	Plug	
19	11700334	26	Six point screw	
20	947628	2	Gasket	
21	20464451	1	Plug	
22	20450683	1	Adapter	
23	20513340	1	Sensor, fuel	(20450685)
24	969011	1	Gasket	
25	11700367	1	Bracket	
26	11700368	2	Bracket	
27	11700369	1	Bracket	
28	20585663	12	Rocker arm	
29	20405723	14	Flange screw	
30	20405524	12	Adjusting screw	
31	11700373	12	Hexagon nut	
32	20549891	12	Snap ring	
33	20412599	1	Valve cover	SN-01098545
	20725338	1	Valve cover	SN01098546-
34	20412597	1	Gasket	SN-01098545
	20725316	1	Gasket	SN01098546-
35	20450954	1	Cover plate	EDC IV
36	20460344	2	Hexagon nut	EDC IV
37	20460345	2	Washer	EDC IV
38	20580716	1	Shoulder screw	EDC IV
39	20450956	1	Cable clamp	EDC IV
40	20405900	1	Cylinder head gasket	TH=1,54mm, One dot
	20405901	1	Cylinder head gasket	TH=1,64mm, Two dots
	20405902	1	Cylinder head gasket	TH=1,74mm, Three dots
41	20405521	2	Spring pin	
42	20405886	6	Seal	



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21 Cylinder Block
TAD530GE, TAD531GE

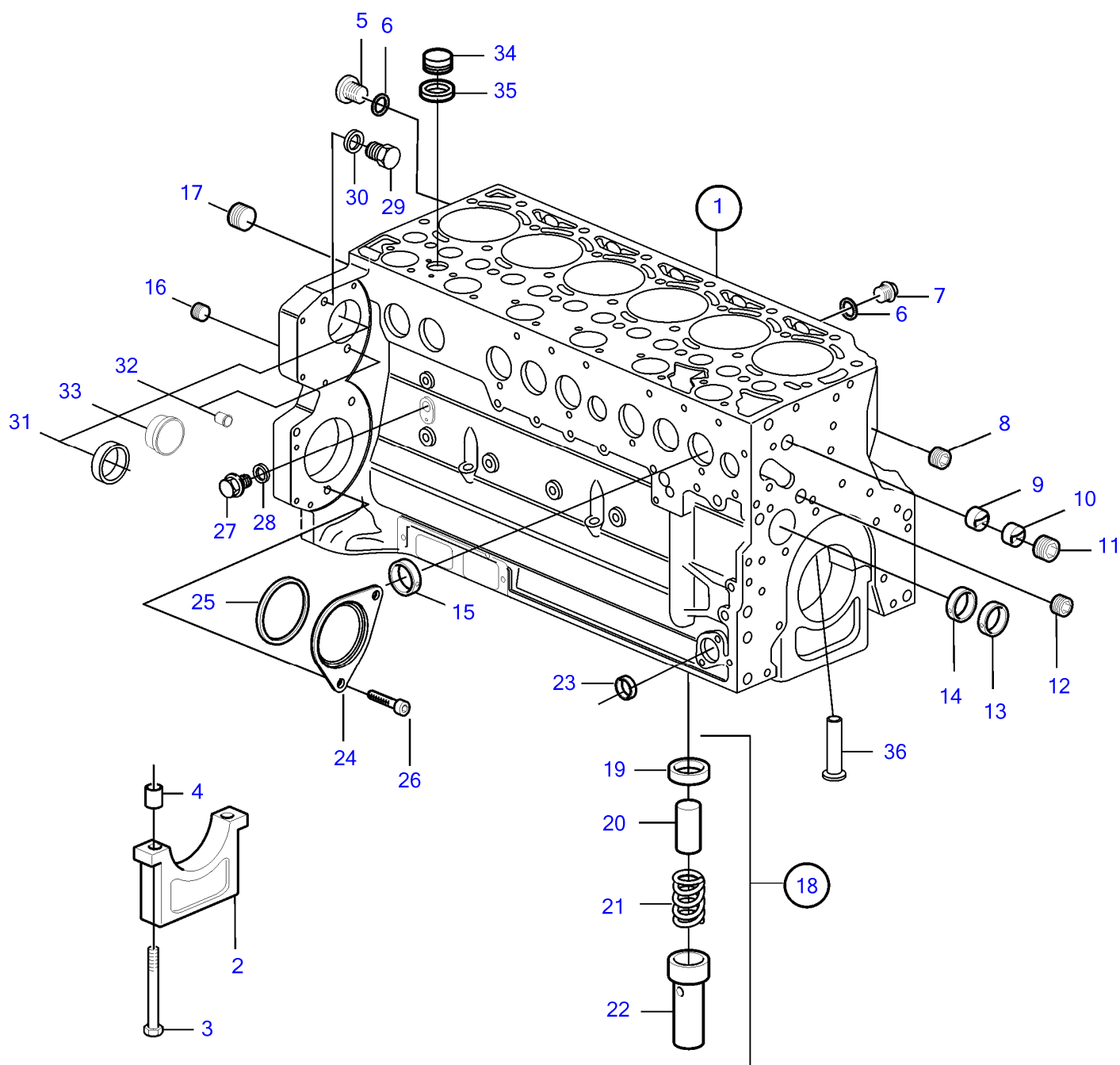
Ref	Part No.	Qty	Description	Notes
1	20557730	1	Crankcase	Delivered with cylinder liner.
2		5	• Main bearing cap	
3	20405583	10	• Flange screw	
4	11700278	10	• Bushing	
5	11700279	2	• Plug	M14, (945065)
6	969011	4	• Gasket	
7	20405716	1	• Plug	M14
8	20508600	2	• Plug	M14
9	20405584	1	• Guide sleeve	(20405906)
10	20405717	1	• Plug	M30
11	20405719	1	• Plug	M22
12	11700284	6	• Bushing	
13	11700285	1	• Bushing	
14	20405721	6	• Cap plug	A45
15	20785813	1	• Plug	M14
16	20508600	1	• Plug	M22
17	11700271	1	Delivery valve	
18	20405904	1	• Ring	
19	20405936	1	• Valve	
20	20405896	1	• Compression spring	
21	20405937	1	• Sleeve	
22	20412745	1	Cap plug	A36
23	24426064	1	Cover	
24	20412359	1	O-ring	
25	975108	2	Flange screw	L=20mm
26	20405716	1	Plug	M14
27	969011	1	Gasket	
28	20441859	2	Filling-in plug, screw plug	
29	947281	2	Gasket	
30	20450778	1	Core plug	
31	20464563	1	Plug	
32	20464561	1	Plug	
33	20459970	1	Set screw, set screw	L=15mm
34	20405561	4	Piston cooling jet, piston cooling	
35	20799722	1	Cap plug	



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**21 Cylinder Block
TAD532GE**

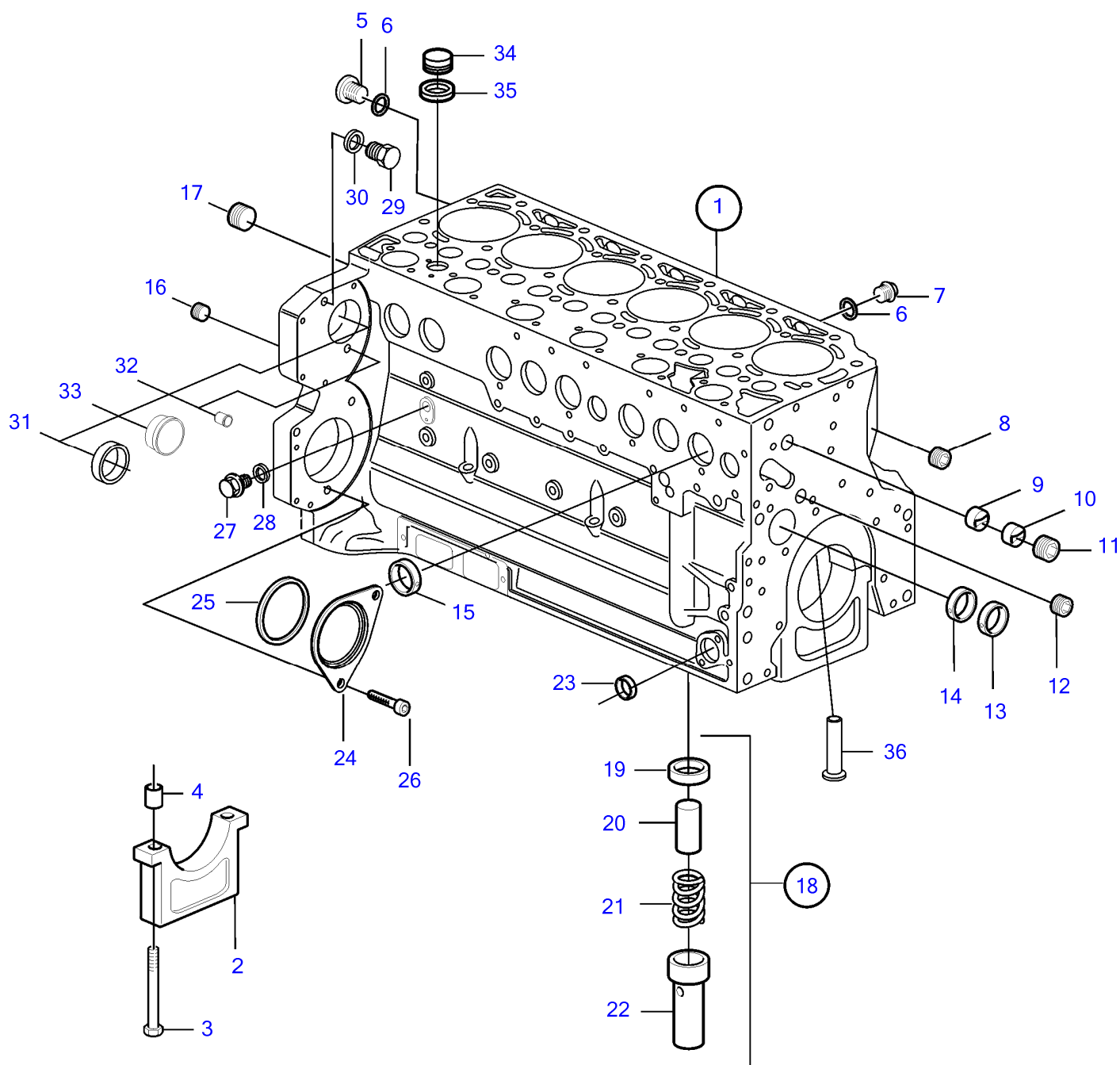
Ref	Part No.	Qty	Description	Notes
1	20555442	1	Crankcase	Delivered with cylinder liner.
2		5	• Main bearing cap	
3	20405583	10	• Flange screw	
4	11700278	10	• Bushing	
5	11700279	2	• Plug	M14, (945065)
6	969011	4	• Gasket	
7	20405716	1	• Plug	M14
8	20508600	2	• Plug	M14
9	20405584	1	• Guide sleeve	
10	20405717	1	• Plug	M30
11	20405719	1	• Plug	M22
12	11700284	6	• Bushing	
13	11700285	1	• Bushing	
14	20405721	6	• Cap plug	A45
15	20785813	1	• Plug	M14
16	20508600	1	• Plug	M22
17	11700271	1	Delivery valve	
18	20405904	1	• Ring	
19	20405936	1	• Valve	
20	20405896	1	• Compression spring	
21	20405937	1	• Sleeve	
22	20412745	1	Cap plug	A36
23	24426064	1	Cover	
24	20412359	1	O-ring	
25	975108	2	Flange screw	L=20mm
26	20405716	1	Plug	M14
27	969011	1	Gasket	
28	20441859	2	Filling-in plug, screw plug	
29	947281	2	Gasket	
30	20450778	1	Core plug	
31	20464563	1	Plug	
32	20464561	1	Plug	
33	20459970	1	Set screw, set screw	L=15mm
34	20405561	4	Piston cooling jet, piston cooling	
35	20799722	1	Cap plug	



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21 Cylinder Block
TAD730GE, TAD731GE

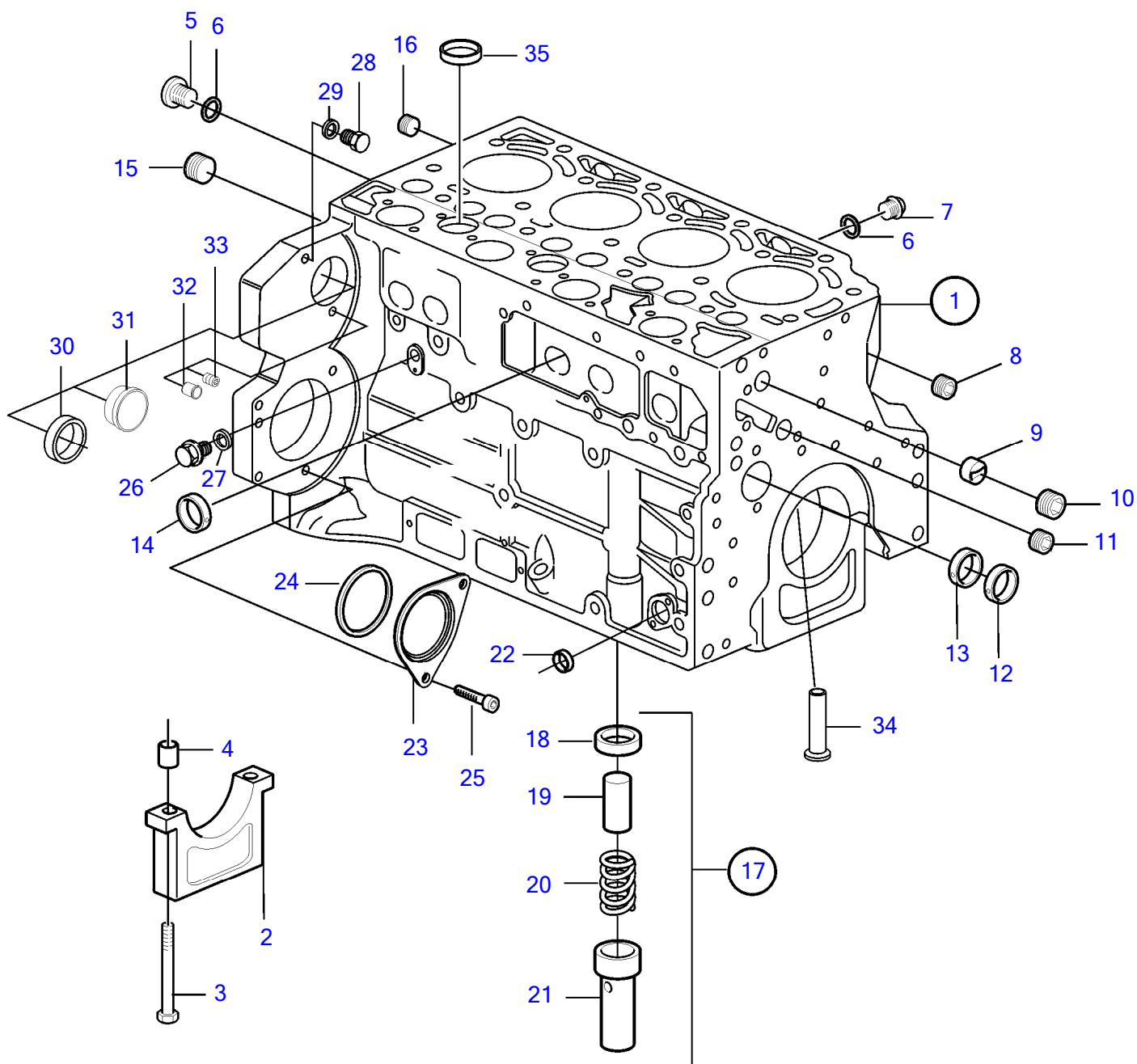
Ref	Part No.	Qty	Description	Notes
1	20581446	1	Cylinder block	Delivered with cylinder liner.
2		7	• Main bearing cap	
3	20405583	14	• Flange screw	
4	11700278	14	• Bushing	
5	11700279	2	• Plug	
6	969011	4	• Gasket	
7	20405716	2	• Plug	
8	20508600	2	• Plug	
9	20405906	1	• Guide sleeve	
10	20405584	1	• Guide sleeve	
11	20405717	1	• Plug	
12	20405719	1	• Plug	
13	11700284	6	• Bushing	
14	11700285	1	• Bushing	
15	20405721	10	• Cap plug	
16	20405718	1	• Plug	
17	20405722	1	• Plug	
18	11700271	1	Delivery valve	
19	20405904	1	• Ring	
20	20405936	1	• Valve	
21	20405896	1	• Compression spring	
22	20405937	1	• Sleeve	
23	20412745	1	Cap plug	
24	24426064	1	Cover	
25	20412359	1	O-ring	
26	975108	2	Flange screw	
27	20405716	1	Plug	
28	969011	1	Gasket	
29	20441859	2	Filling-in plug, screw plug	
30	947281	2	Gasket	
31	20450778	1	Core plug	
32	20464561	1	Plug	
33	20464563	1	Plug	
34	20702078	1	Plug	Without stop solenoid.
35	20405728	1	Sealing ring	
36	20405561	6	Piston cooling jet, piston cooling	



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21 Cylinder Block
TAD732GE, TAD733GE

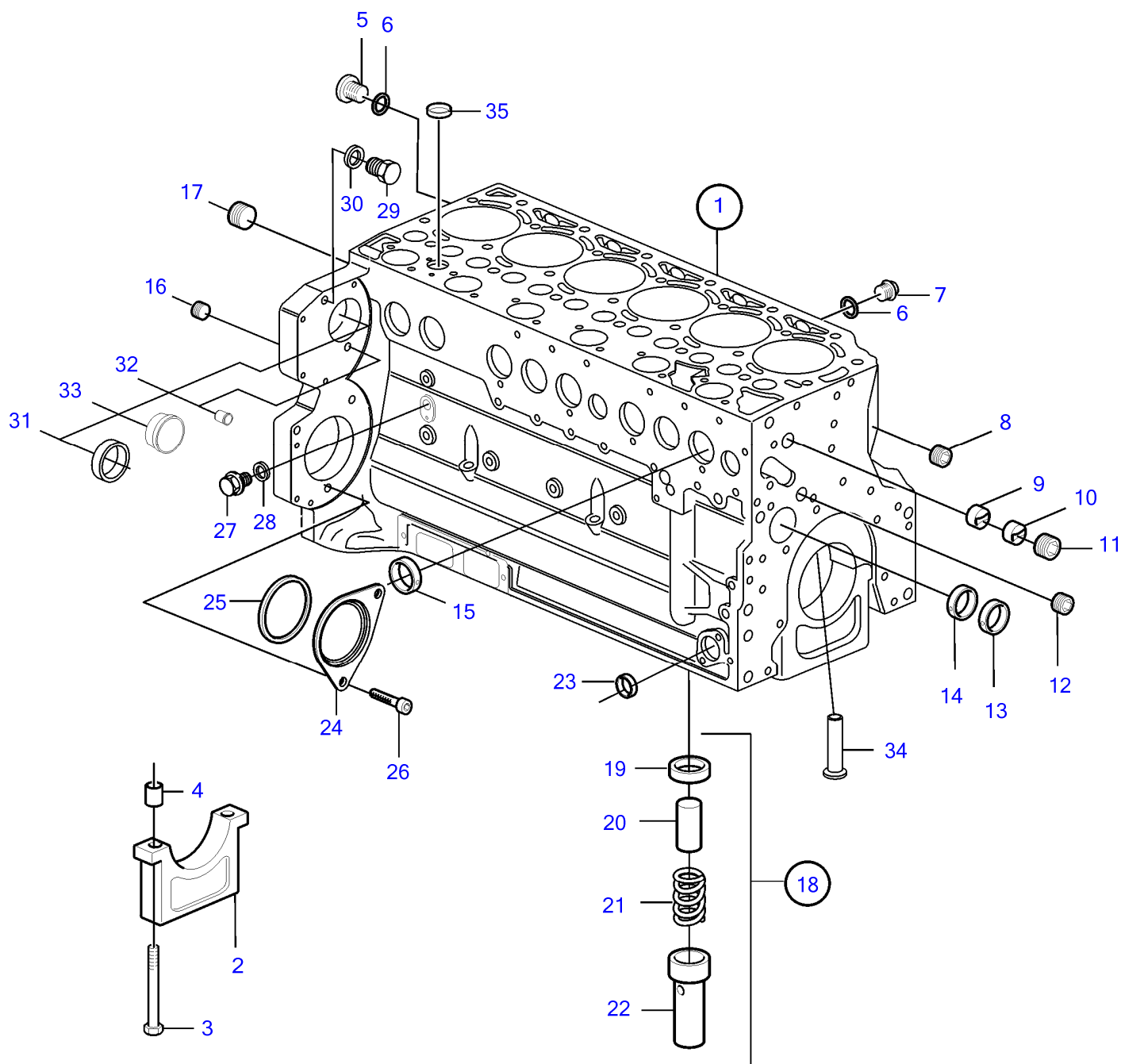
Ref	Part No.	Qty	Description	Notes
1	20544667	1	Crankcase	Delivered with cylinder liner.
2		7	• Main bearing cap	
3	20405583	14	• Flange screw	
4	11700278	14	• Bushing	
5	11700279	2	• Plug	
6	969011	4	• Gasket	
7	20405716	2	• Plug	
8	20405718	2	• Plug	
9	20405906	1	• Guide sleeve	
10	20405584	1	• Guide sleeve	
11	20405717	1	• Plug	
12	20405719	1	• Plug	
13	11700284	6	• Bushing	
14	11700285	1	• Bushing	
15	20405721	10	• Cap plug	
16	20405718	1	• Plug	
17	20785813	1	• Plug	
18	11700271	1	Delivery valve	
19	20405904	1	• Ring	
20	20405936	1	• Valve	
21	20405896	1	• Compression spring	
22	20405937	1	• Sleeve	
23	20412745	1	Cap plug	
24	24426064	1	Cover	
25	20412359	1	O-ring	
26	975108	2	Flange screw	
27	20405716	1	Plug	
28	969011	1	Gasket	
29	20441859	2	Filling-in plug, screw plug	
30	947281	2	Gasket	
31	20450778	1	Core plug	
32	20464561	1	Plug	
33	20464563	1	Plug	
34	20702078	1	Plug	Without stop solenoid., (20450779)
35	20405728	1	Sealing ring	
36	20405561	6	Piston cooling jet, piston cooling	



21685

**21 Cylinder Block
TD520GE**

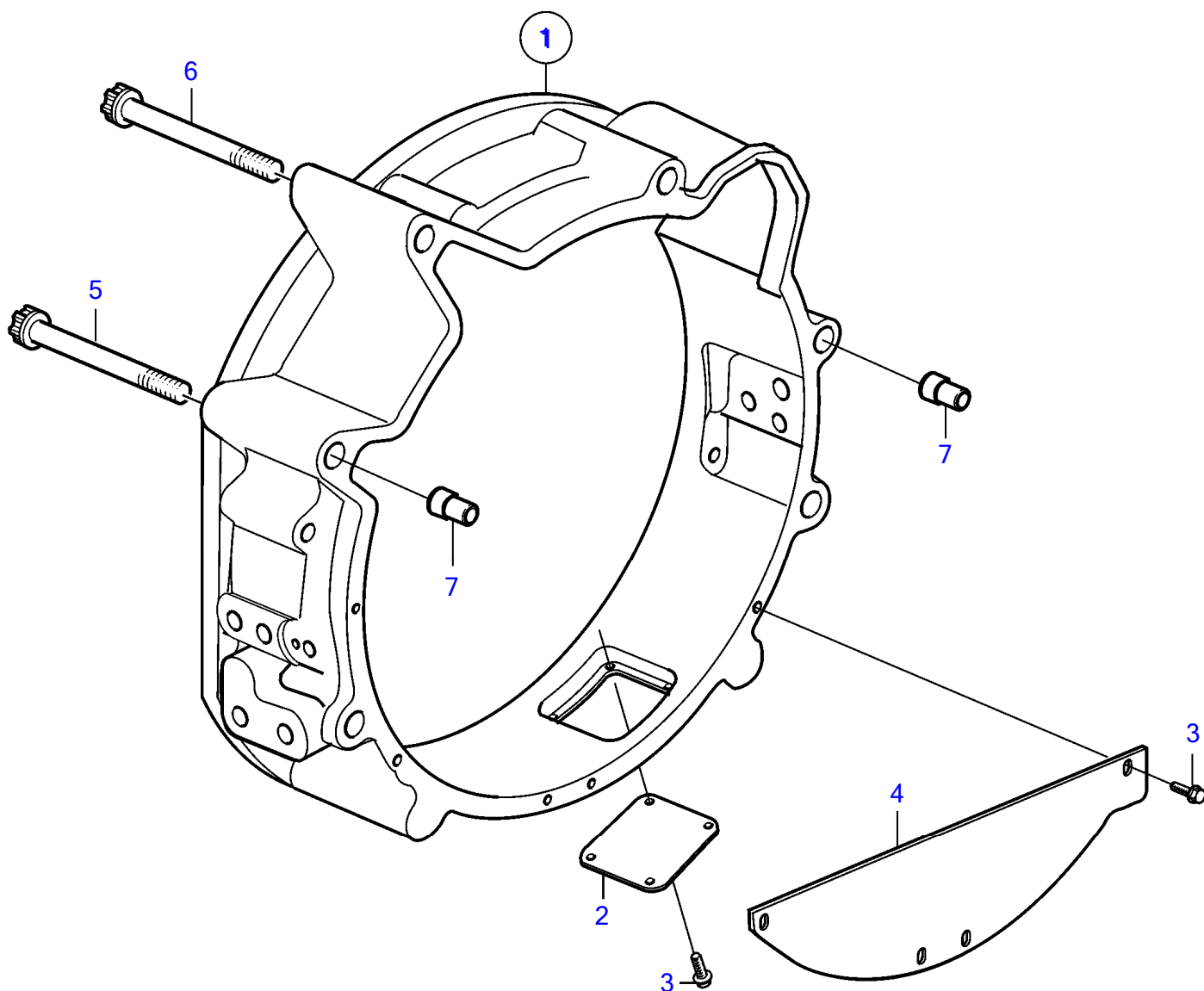
Ref	Part No.	Qty	Description	
1	20405979	1	Crankcase	Part has a unique replacement. The new part may be used in any case. The SN782201-
	20555444	1	Crankcase	
2		5	• Main bearing cap	
3	20405583	10	• Flange screw	
4	11700278	10	• Bushing	
5	945065	2	• Plug	M14
6	969011	4	• Gasket	
7	20405716	1	• Plug	M14
8	20405718	1	• Plug	M14
9	20405906	1	• Guide sleeve	
10	20405717	1	• Plug	M30
11	20405719	1	• Plug	M22
12	11700284	6	• Bushing	
13	11700285	1	• Bushing	
14	20405721	6	• Cap plug	A45
15	20405718	1	• Plug	M14
16	20405722	1	• Plug	M22
17	11700271	1	Delivery valve	
18	20405904	1	• Ring	
19	20405936	1	• Valve	
20	20405896	1	• Compression spring	
21	20405937	1	• Sleeve	
22	20412745	1	Cap plug	A36
23	24426064	1	Cover	(20459898)
24	20412359	1	O-ring	
25	975108	2	Flange screw	L=20mm
26	20405716	1	Plug	M14
27	969011	1	Gasket	
28	20441859	2	Filling-in plug, screw plug	
29	947281	2	Gasket	
30	20450778	1	Core plug	
31	20464563	1	Plug	
32	20464561	1	Plug	
33	20459970	1	Set screw, set screw	L=15mm
34	20405561	4	Piston cooling jet, piston cooling	
35	20799722	1	Cap plug	32mm



21704

**21 Cylinder Block
TD720GE**

Ref	Part No.	Qty	Description	
1	20405980	1	Cylinder	Part has a unique replacement. The new part may be used in any case. The Delivered with cylinder liner., SN780661-
	20537914	1	Cylinder block	
2		7	• Main bearing cap	
3	20405583	14	• Flange screw	
4	11700278	14	• Bushing	
5	945065	2	• Plug	
6	969011	4	• Gasket	
7	20405716	1	• Plug	
8	20405718	1	• Plug	
9	20405906	1	• Guide sleeve	
10	20405584	1	• Guide sleeve	
11	20405717	1	• Plug	
12	20405719	10	• Plug	
13	11700284	6	• Bushing	
14	11700285	1	• Bushing	
15	20405721	10	• Cap plug	
16	20405718	1	• Plug	
17	20405722	1	• Plug	
18	11700271	1	Delivery valve	
19	20405904	1	• Ring	
20	20405936	1	• Valve	
21	20405896	1	• Compression spring	
22	20405937	1	• Sleeve	
23	20412745	1	Cap plug	
24	24426064	1	Cover	(20459898)
25	20412359	1	O-ring	
26	975108	2	Flange screw	
27	20441859	1	Filling-in plug, screw plug	(20532680)
28	947281	1	Gasket	
29	20405716	1	Plug	
30	969011	1	Gasket	
31	20450778	1	Core plug	
32	20464561	1	Plug	
33	20464563	1	Plug	
34	20405561	6	Piston cooling jet, piston cooling	
35	20799722	1	Cap plug	

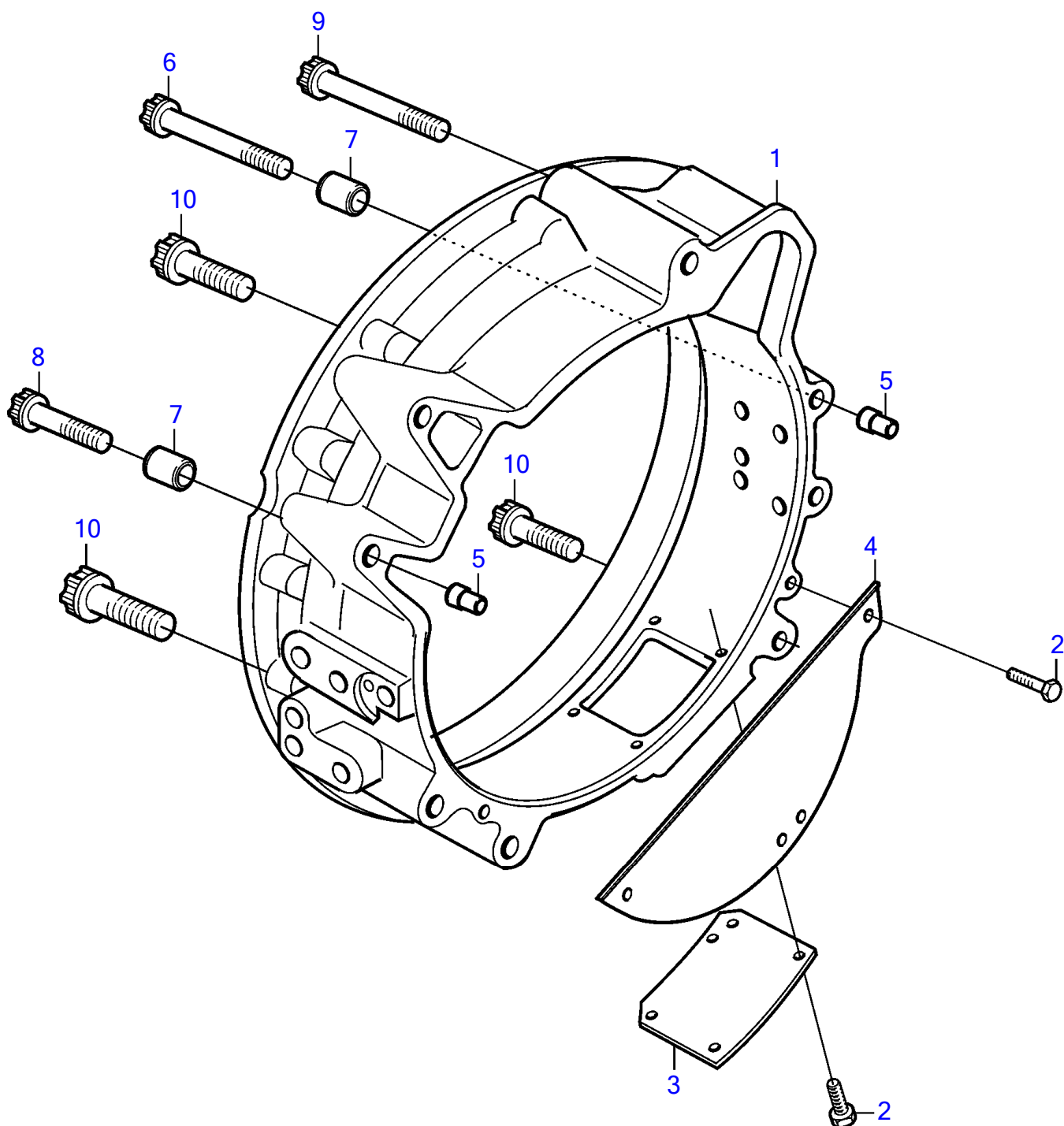


22926

21 Flywheel Housing SAE 3

TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE

Ref	Part No.	Qty	Description	Notes
1	20744652	1	Flywheel housing	SN00961691-01099409
	21018780	1	Flywheel housing	SN01099410-
2	20547288	1	• Cover plate	
3	967949	7	• Flange screw	
4	20459989	1	• Cover	
5	20405714	2	Six point screw	
6	20405715	4	Six point screw	
7	21455862	2	Bushing	(20585971)

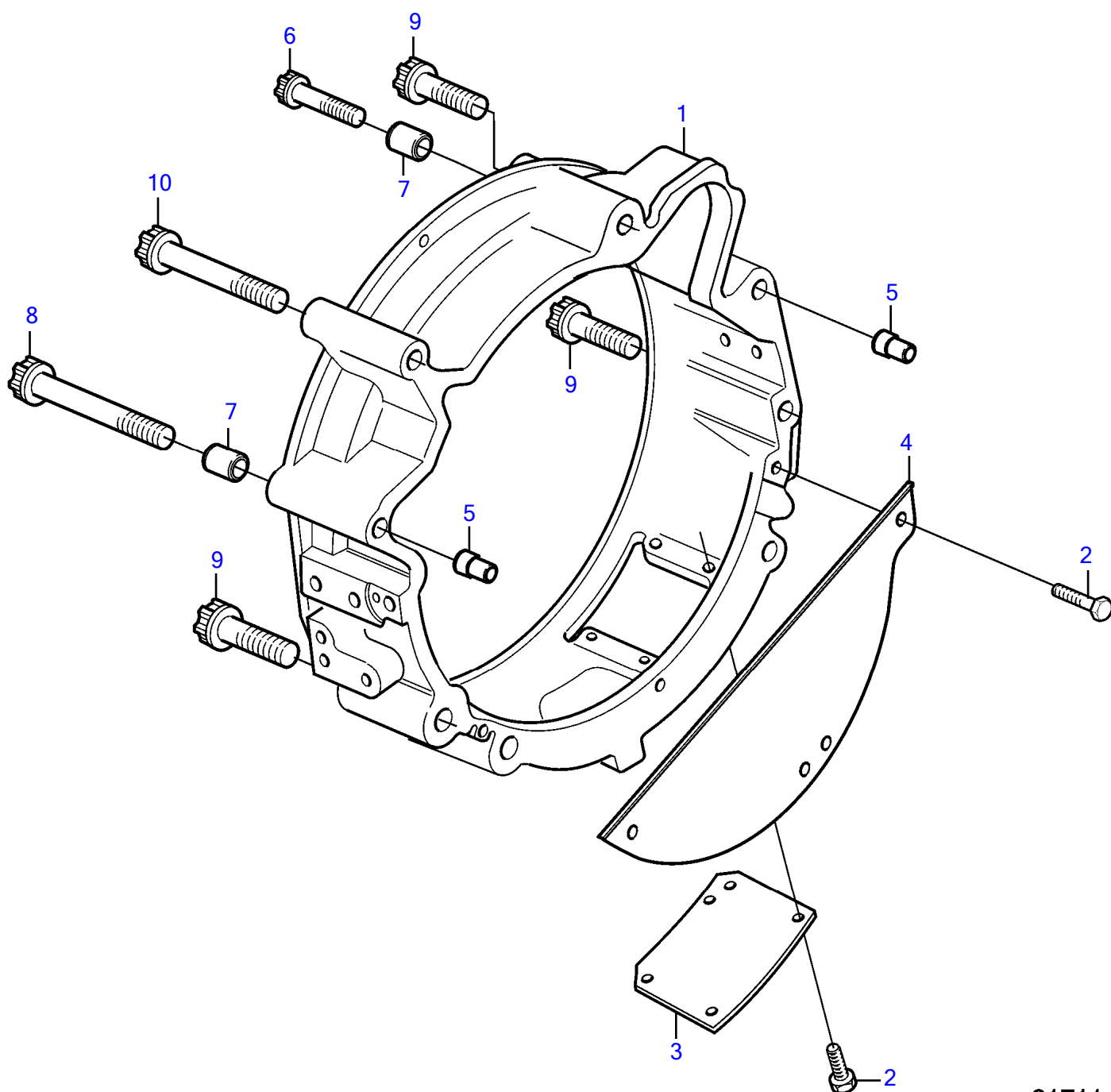


21709

21 Flywheel Housing SAE 2

TD520GE, TAD530GE, TAD531GE, TD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE

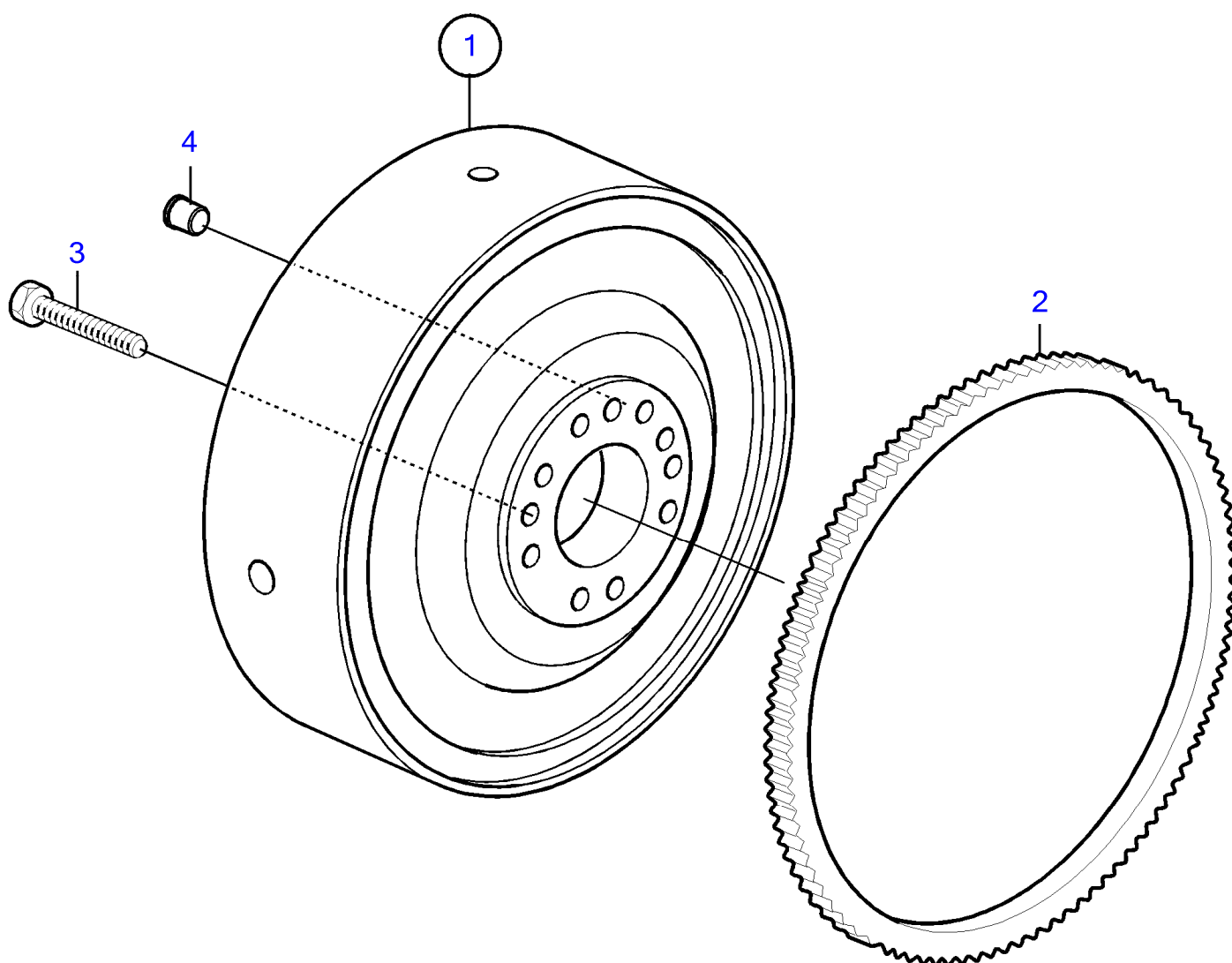
Ref	Part No.	Qty	Description	Notes
1	20529905	1	Flywheel housing	
2	967949	7	Flange screw	
3	888710	1	Lid	
4	20459989	1	Cover	
5	21455862	2	Bushing	(20585971)
6	20405714	1	Six point screw	L=160mm
7	20405646	2	Bushing	
8	20405713	1	Six point screw	L=85mm
9	20405715	1	Six point screw	L=150mm
10	20501348	3	Screw	L=85mm



21711

21 Flywheel Housing SAE 1
TAD732GE, TAD733GE

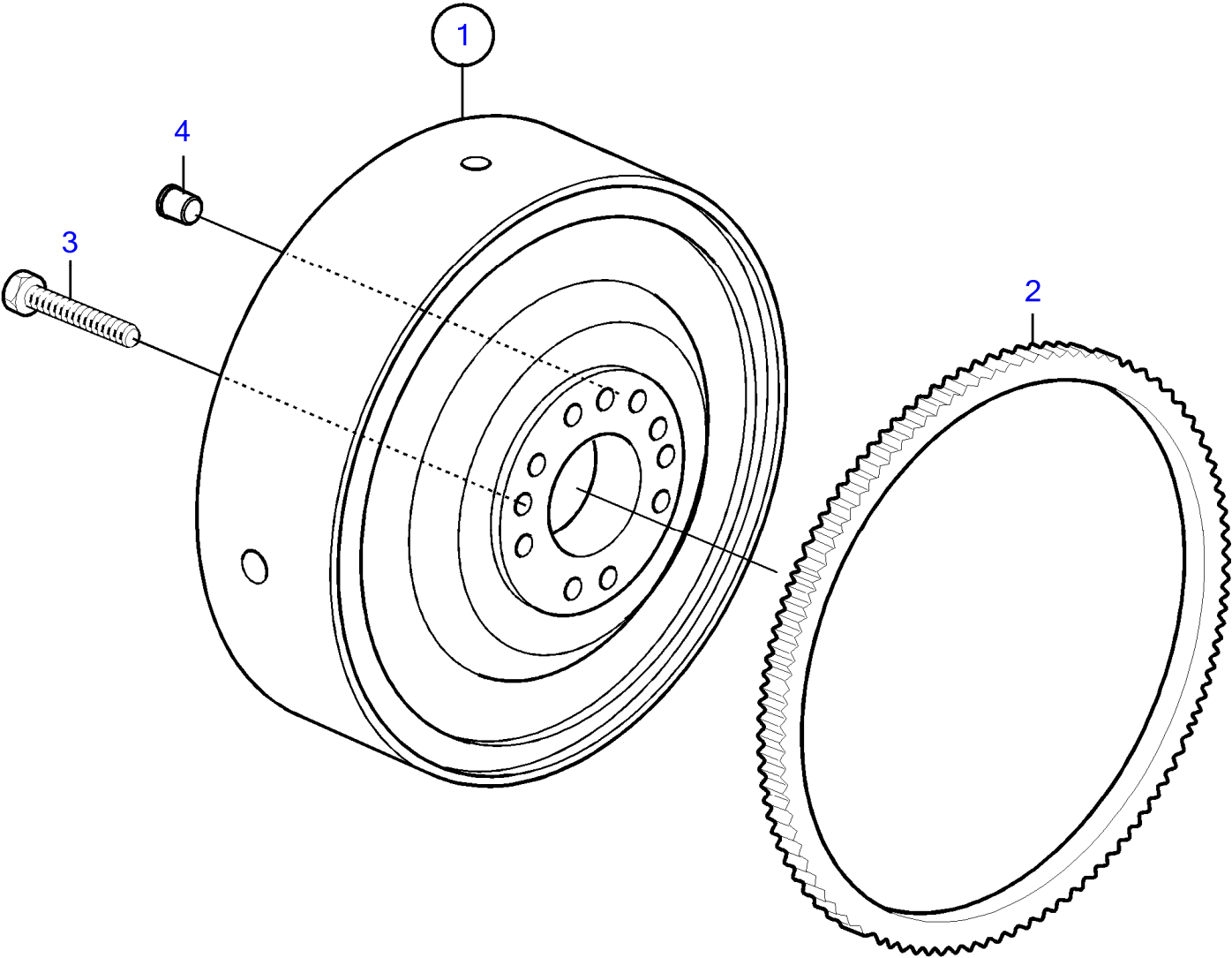
Ref	Part No.	Qty	Description	Notes
1	20585419	1	Housing	SN-11120167, Replaced by 23121563
	23121563	1	Housing	SN11120168-
2	967949	6	Flange screw	
3	888710	1	Lid	
	20547288	1	Cover plate	(888710)
4	20459989	1	Cover	
5	20585971	2	Bushing	
	21455862	2	Bushing	(20585971)
6	20405713	1	Six point screw	L=85mm
7	20405646	2	Bushing	
8	20405714	1	Six point screw	L=160mm
9	20501348	3	Screw	L=85mm
10	20405715	1	Six point screw	L=150mm



19544

21 Flywheel for Flywheel Housing SAE 3
TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE,
TAD733GE

Ref	Part No.	Qty	Description	Notes
1	20405649	1	Flywheel	1,2 kgm ²
		1	Flywheel, 0,87 kgm ²	
2	21033328	1	• Starter gear ring	
3	20405654	10	Hexagon screw	
4	20405643	5	Expansion plug	

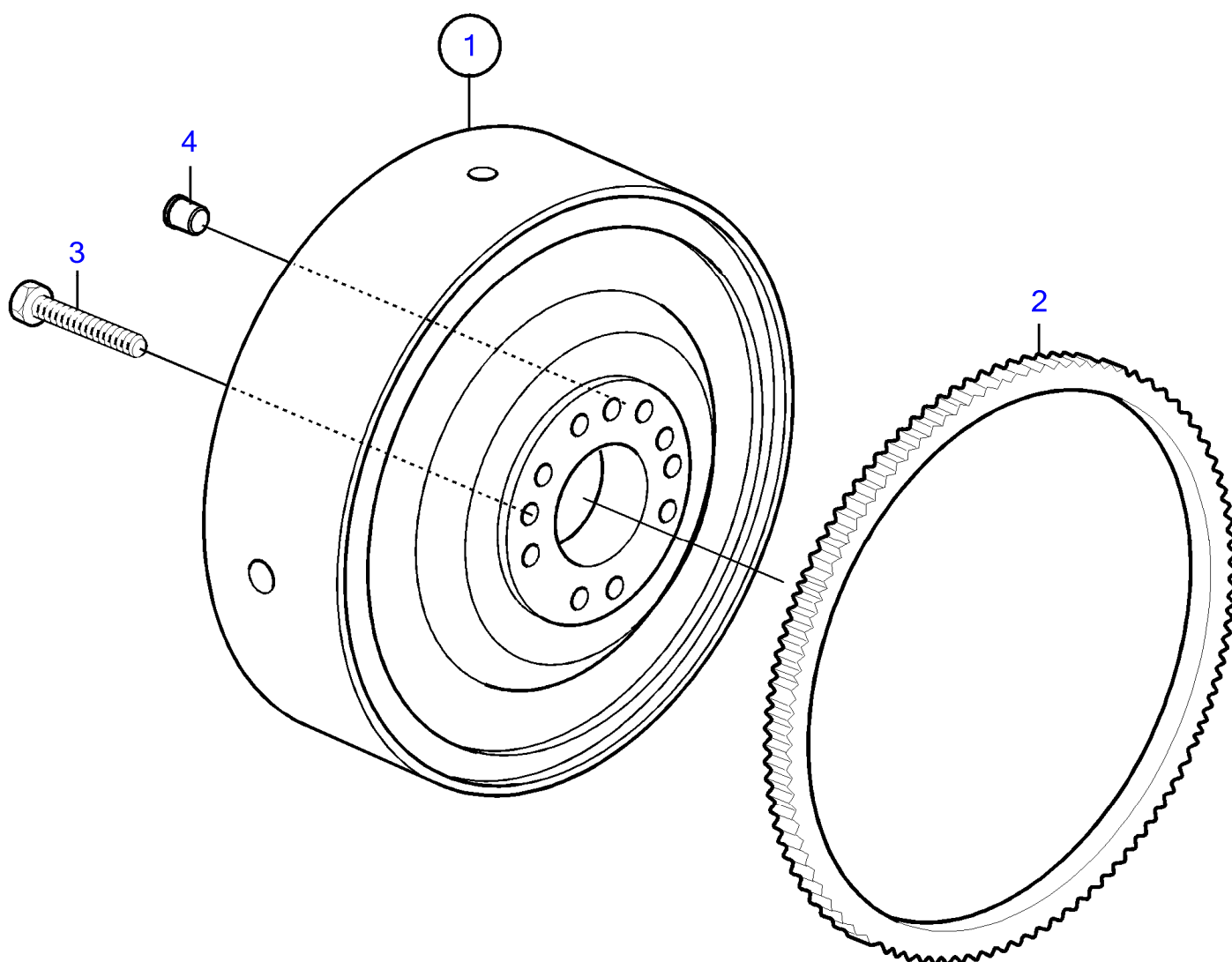


19544

21 Flywheel for Flywheel Housing SAE 2

TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE

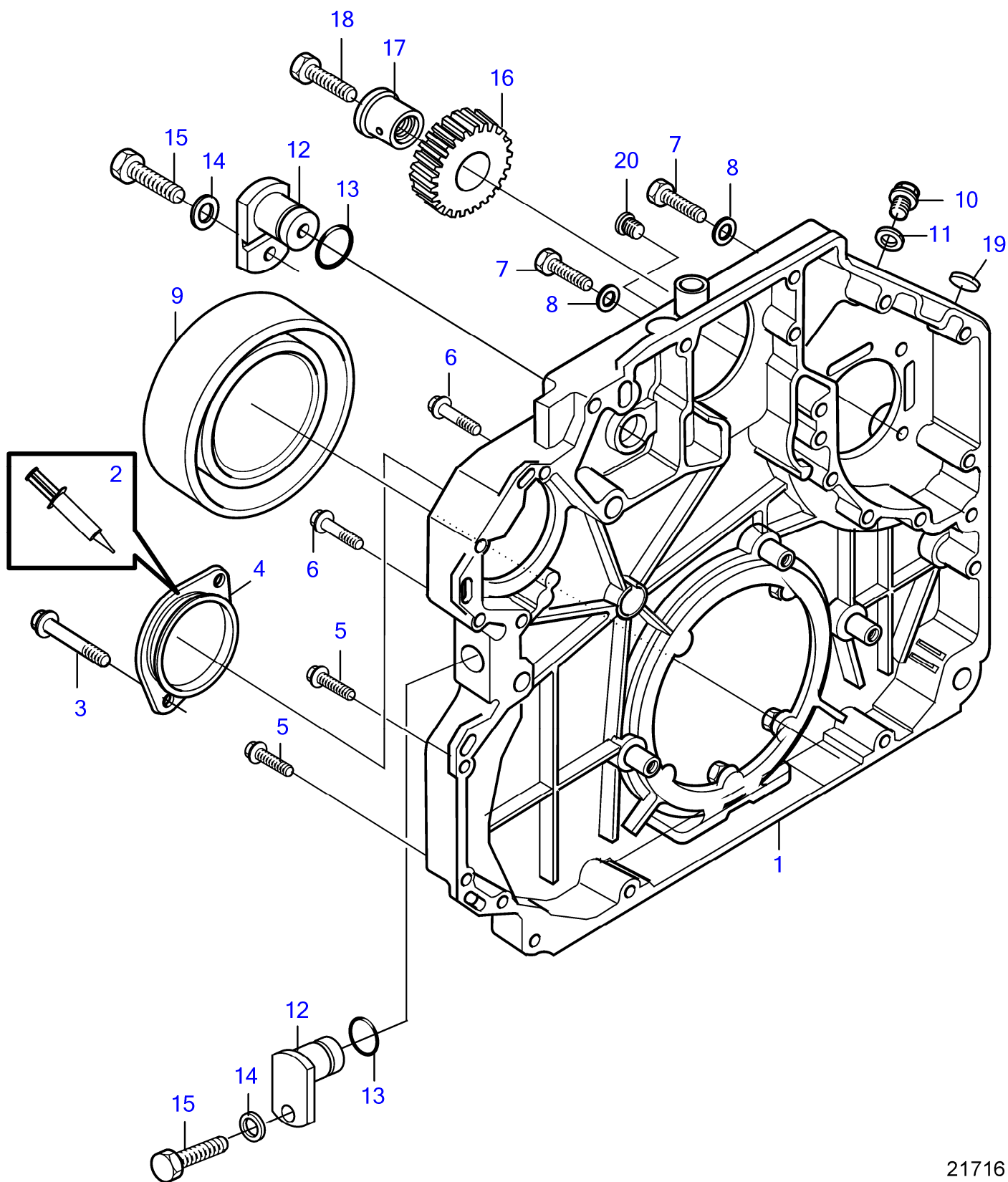
Ref	Part No.	Qty	Description	Notes
1	20405928	1	Flywheel	2,6 kgm ²
		1	Flywheel, 0,87 kgm ²	
2	21033328	1	• Starter gear ring	
3	20405654	10	Hexagon screw	
4	20405643	5	Expansion plug	



19544

21 Flywheel (0,87 kgm²) for Flywheel Housing SAE 2&3
TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE,
TAD733GE

Ref	Part No.	Qty	Description	Notes
1	20459129	1	Flywheel	0,87 kgm²
2	21033328	1	• Starter gear ring	
3	20450835	10	Hexagon screw	
4	20405643	5	Expansion plug	

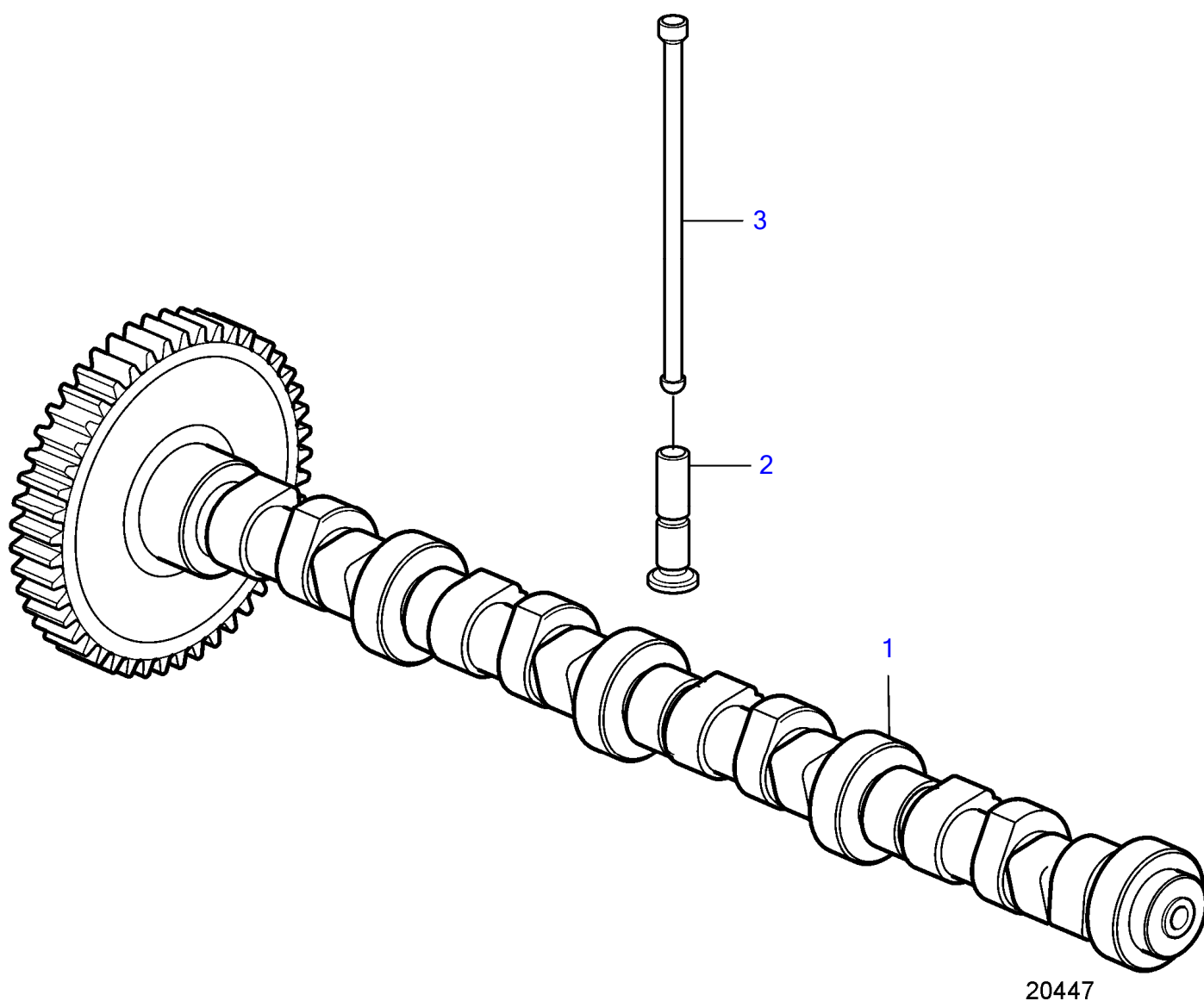


21716

21 Timing Gear Casing and Gears

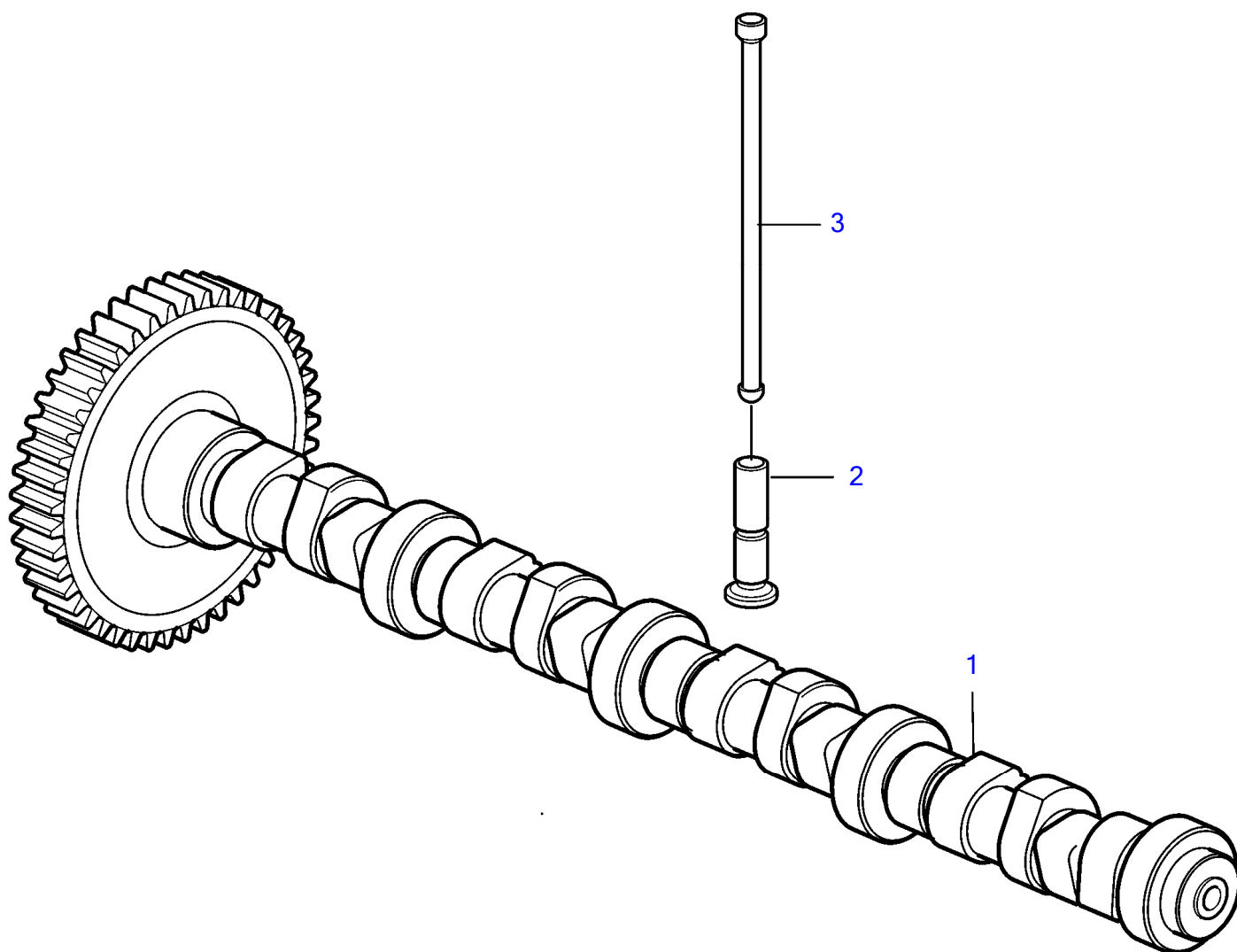
TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE

Ref	Part No.	Qty	Description	Notes
1	20405735	1	Timing gear cover	Part has a unique replacement. The new part may be used in any case. The old part may be used in any case. (20405735)
	20743680	1	Timing gear cover	
	20592784	1	Housing	
	21046278	1	Housing	
	22173579	1	Housing	
	22499283	1	Timing gear casing	SN8180878-, Replaced by 21046278 Replaced by 22173579 SN-11709769, Replaced by 22499283 SN11709770-
2	22618325	1	Sealant	
3	20460508	2	Six point screw	
4	20706651	1	Cover	SN-01099468
	20950063	1	Cover	SN01099469-, Replaced by 22610639
	22610639	1	Cover	SN11830770-, Use Sealant 22618325
5	20412324	12	Flange screw	
6	994386	7	Flange screw	
7	20405653	2	Screw	
8	976944	2	Washer	
9	20412286	1	Lip seal	
10	960630	1	Plug	
11	969011	1	Gasket	
12	20405553	2	Wear part	
13	20459904	2	O-ring	
14	973494	2	Washer	
15	20405706	2	Screw	
16	20555503	1	Idler gear	
17	20758272	1	Pivot pin	
18	20405560	1	Hexagon screw	
19	20405605	1	Cover	
20	20450795	1	Set screw, set screw	Prepared with locking fluid.



21 Camshaft. Stage 2, Tier 2
TAD530GE, TAD531GE, TAD532GE

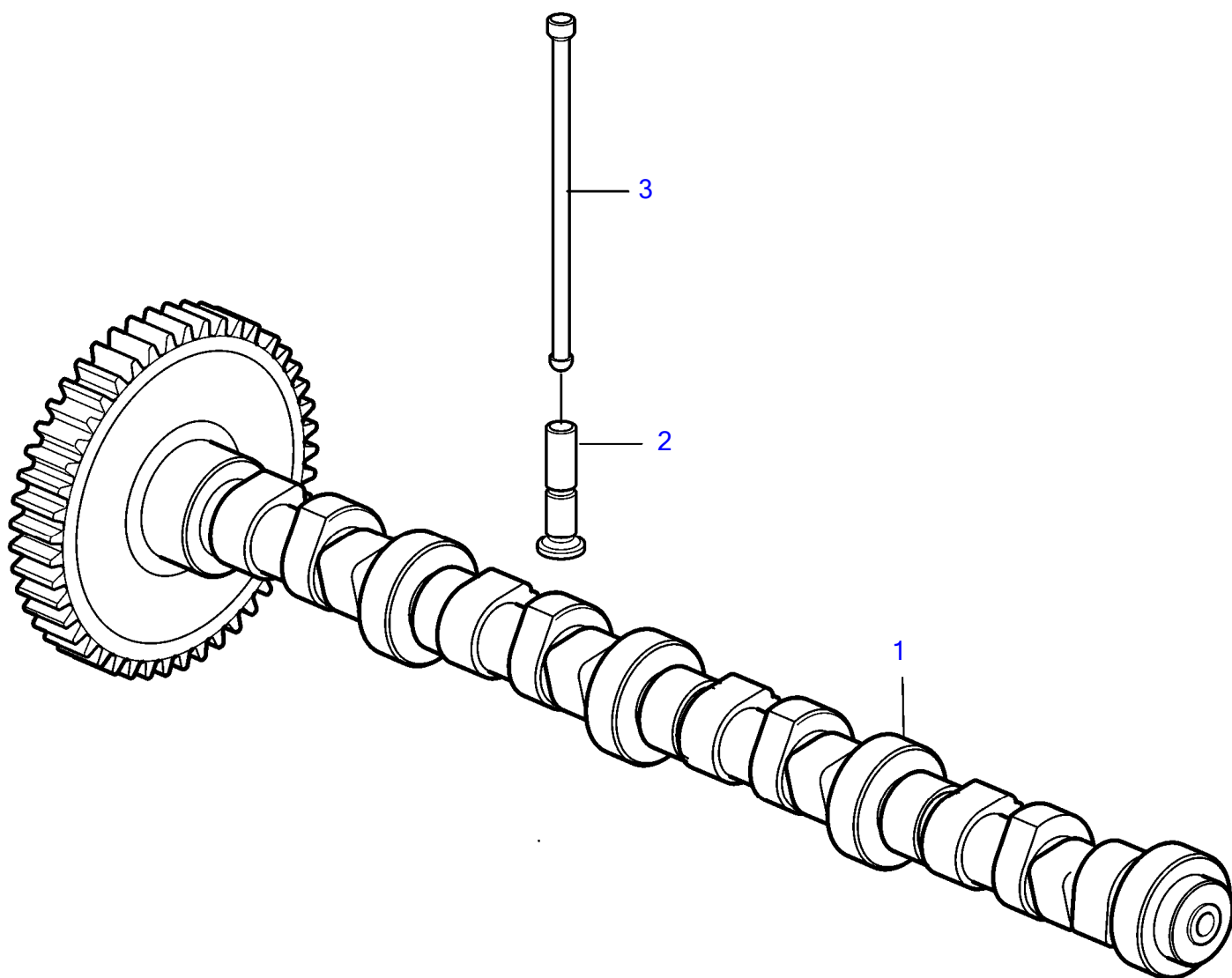
Ref	Part No.	Qty	Description	Notes
1	20904359	1	Camshaft	SN-10710362
	21264838	1	Camshaft	SN10710363-11598494
	22414664	1	Camshaft	SN11598495-
2	11700366	8	Valve	
3	20405534	8	Push rod	



19342

21 Camshaft. Stage 2, Tier 2
TAD730GE, TAD731GE, TAD732GE, TAD733GE

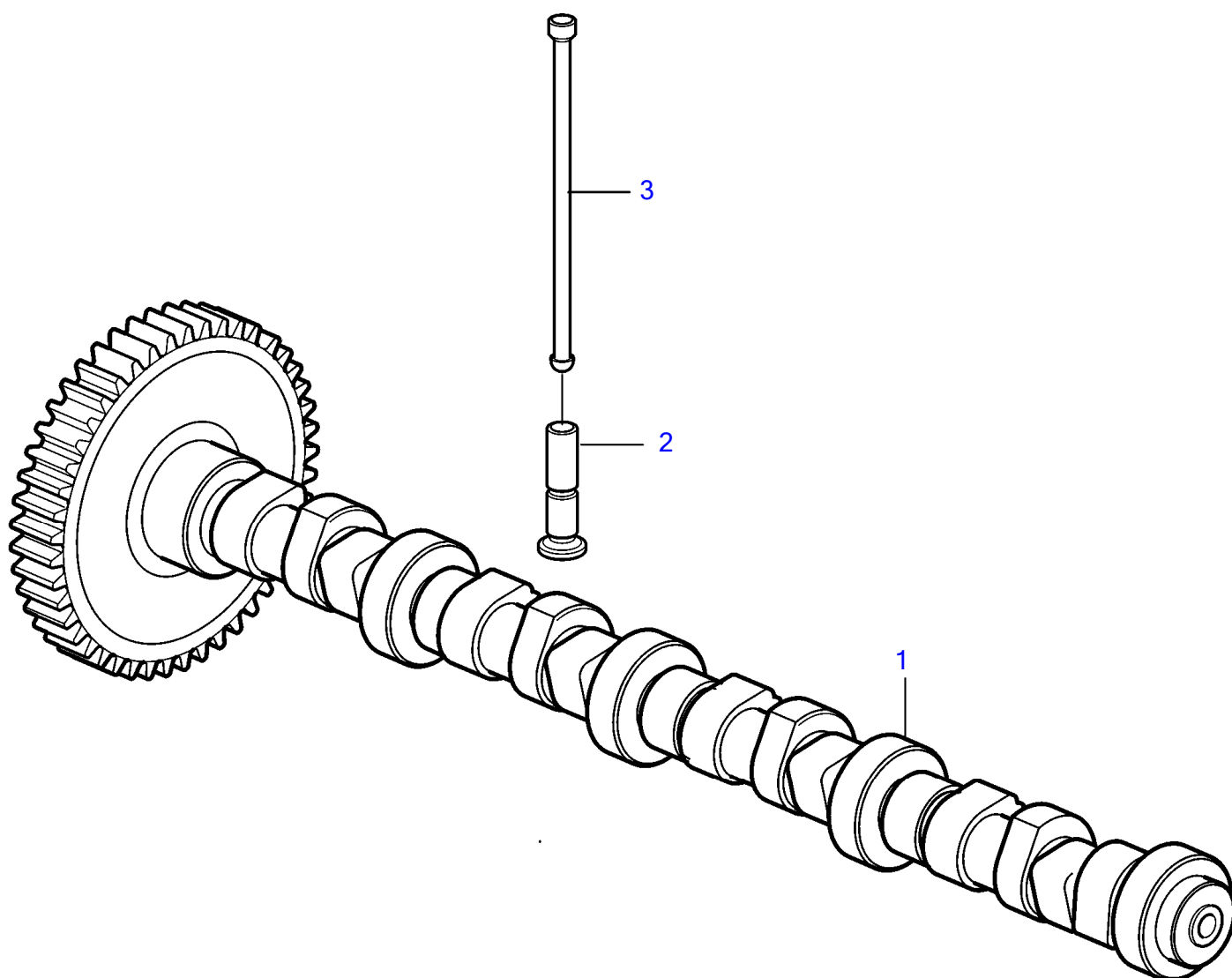
Ref	Part No.	Qty	Description	Notes
1	20894013	1	Camshaft	SN-10758100
	21246145	1	Camshaft	SN10758101-11598974
	22414674	1	Camshaft	SN11598975-
2	11700366	12	Valve	
3	20405534	12	Push rod	



19448

**21 Camshaft. Stage 1, Tier 1
TD520GE**

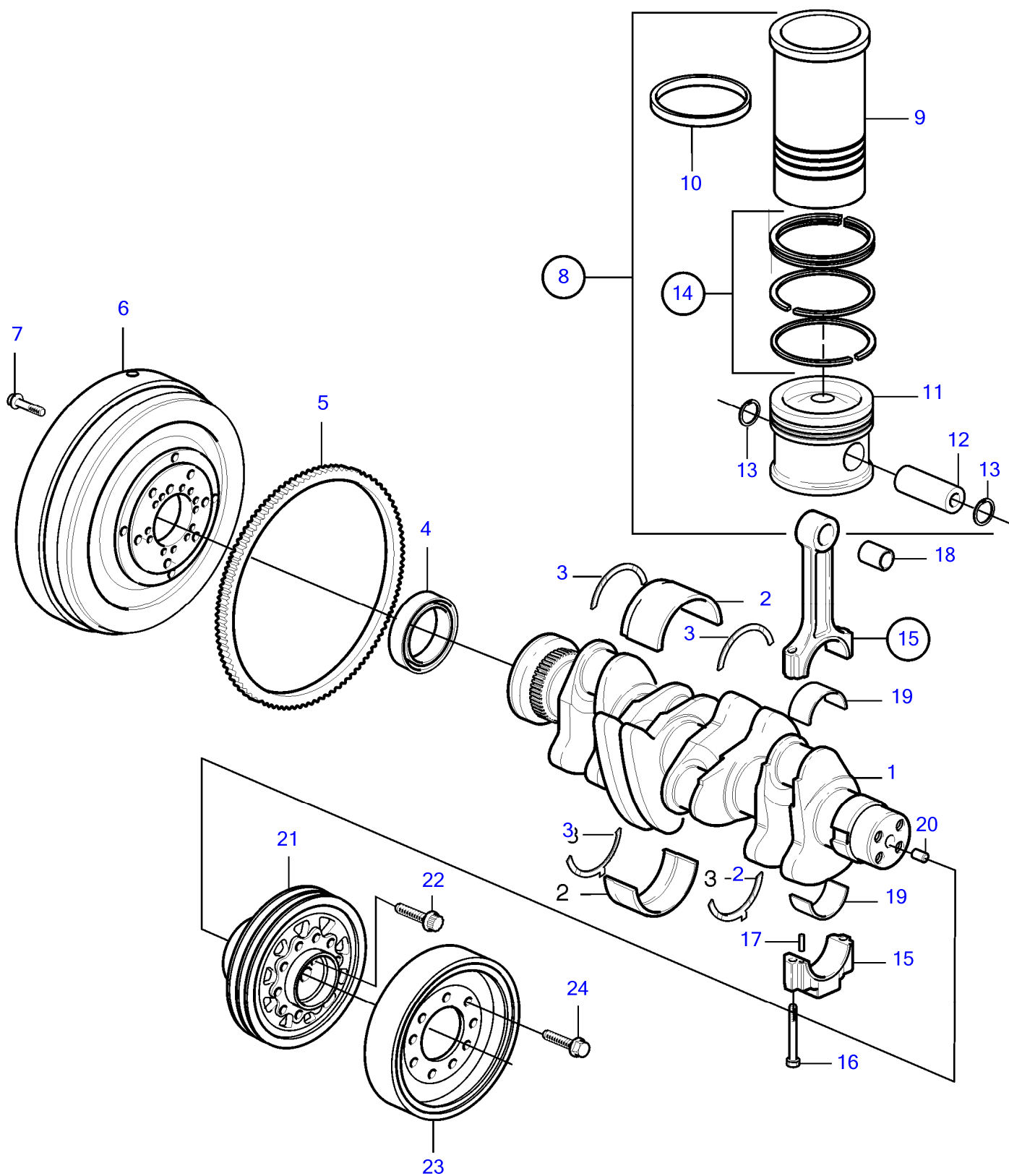
Ref	Part No.	Qty	Description	Notes
1	20893983	1	Camshaft	SN-10763627
	21272771	1	Camshaft	SN10763628-11598181
	22414661	1	Camshaft	SN11598182-
2	11700366	8	Valve	
3	20405534	8	Push rod	



19341

**21 Camshaft. Stage 1, Tier 1
TD720GE**

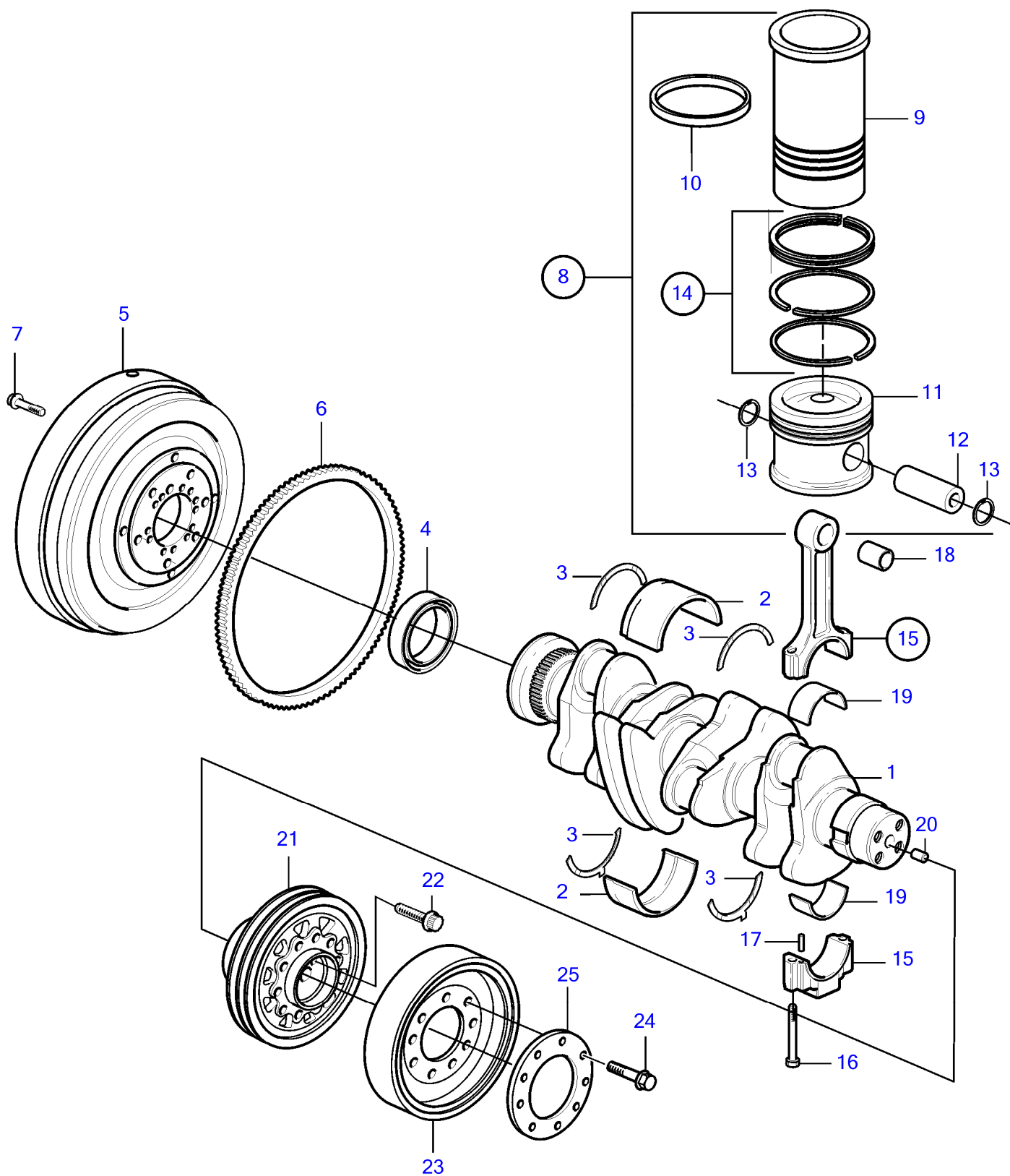
Ref	Part No.	Qty	Description	Notes
1	20412339	1	Camshaft	SN-10211242
	20893992	1	Camshaft	SN10211243-10763626
	21272768	1	Camshaft	SN10763627-11598968
	22414668	1	Camshaft	SN11598969-
2	11700366	12	Valve	
3	20405534	12	Push rod	



21724

21 Crank Mechanism Stage 2, Tier 2
TAD530GE, TAD531GE

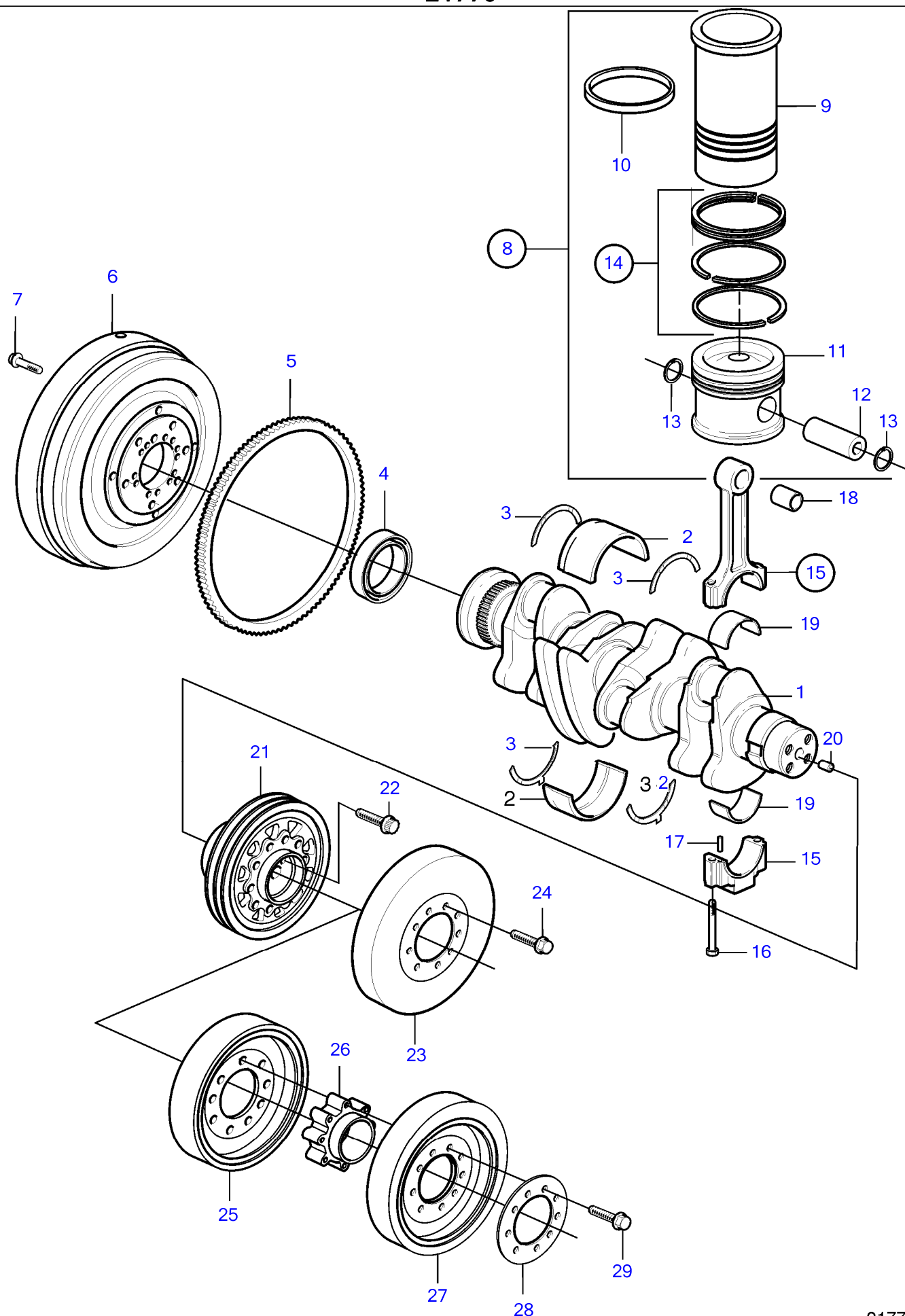
Ref	Part No.	Qty	Description	Notes
1	20900811	1	Crankshaft	
2	21141948	5	Main bearing	Std
	20405529	5	Main bearing	U.S=0,25mm, SN-10594934
	21234191	5	Main bearing	U.S=0,25mm, SN10594935-
	20405541	5	Main bearing	U.S=0.50mm
3	20405899	2	Thrust washer kit	Std
	11700315	2	Safety washer	O.S=0.20mm (3.1mm)
4	20412286	1	Lip seal	
5		1	Gear ring	
6		1	Flywheel	
7		10	Screw	
8	3843536	4	Cylinder liner kit	
9		4	• Cylinder liner	
10	20412762	8	• O-ring	
11		4	• Piston	
12	20405577	4	• • Piston pin	
13	20405576	8	• • Snap ring	
14	21304975	4	• • Piston ring	
15	20585982	4	Connecting rod	
16	11700326	8	• Flange screw	
17	20459134	4	• Grooved pin	
18	11700325	4	• Bushing	
19	20766790	4	Bearing	Std, Only for 20585982
	20790423	4	Big-end bearing kit	U.S=0.25mm, Only for 20585982
	20790428	4	Big-end bearing kit	U.S=0.50mm, Only for 20585982
20	20405634	1	Spring pin	18X24
21	20405725	1	V-belt pulley	For fan mounted on coolant pump, Alternator dw/width 238,2/10., Pump dw/width 237,8
22	20405724	4	Six point screw	
23	20546792	1	Vibration damper	(248x32)
24	888289	9	Flange screw	



26200

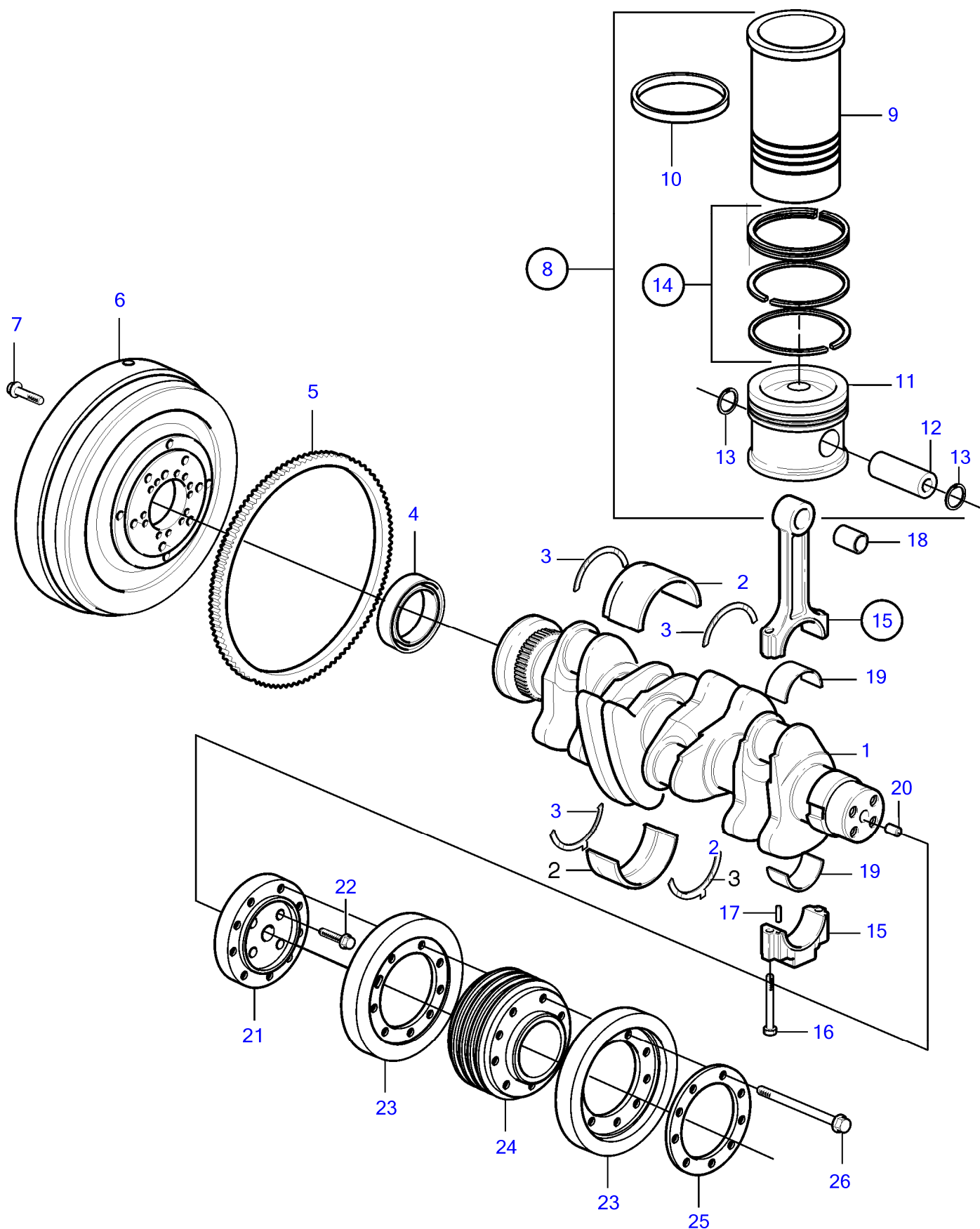
**21 Crank Mechanism Stage 2, Tier 2
TAD532GE**

Ref	Part No.	Qty	Description	Notes
1	20900811	1	Crankshaft	
2	20405516	5	Main bearing	Std, SN-10594934
	21141948	5	Main bearing	SN10594935-
	20405529	5	Main bearing	U.S=0,25mm, SN-10594934
	21234191	5	Main bearing	U.S=0,25mm, SN10594935-
	20405541	5	Main bearing	U.S=0.50mm
3	20405899	2	Thrust washer kit	Std
	11700315	2	Safety washer	O.S=0.20mm (3.1mm)
4	20412286	1	Lip seal	
5	20405928	1	Flywheel	
6	21033328	1	• Starter gear ring	
7	20405654	10	Hexagon screw	
8	3842448	4	Cylinder liner kit	
9		4	• Cylinder liner	
10	20412762	8	• O-ring	
11		4	• Piston	
12	20405577	4	• • Piston pin	
13	21119637	8	• • Stay	
14	21299547	4	• • Piston ring kit	
15	20585982	4	Connecting rod	
16	11700326	8	• Flange screw	
17	20459134	4	• Grooved pin	
18	11700325	4	• Bushing	
19	20766790	4	Bearing	Std
	20790423	4	Big-end bearing kit	U.S=0.25mm
	20790428	4	Big-end bearing kit	U.S=0.50mm
20	20405634	1	Spring pin	18X24
21	20405725	1	V-belt pulley	For fan mounted on coolant pump, Alternator dw/width 238,2/10., Pump dw/width 237
22	20405724	4	Six point screw	
23	21165424	1	Vibration damper	
24	995717	9	Flange screw	
25	21022723	1	Flange plate	



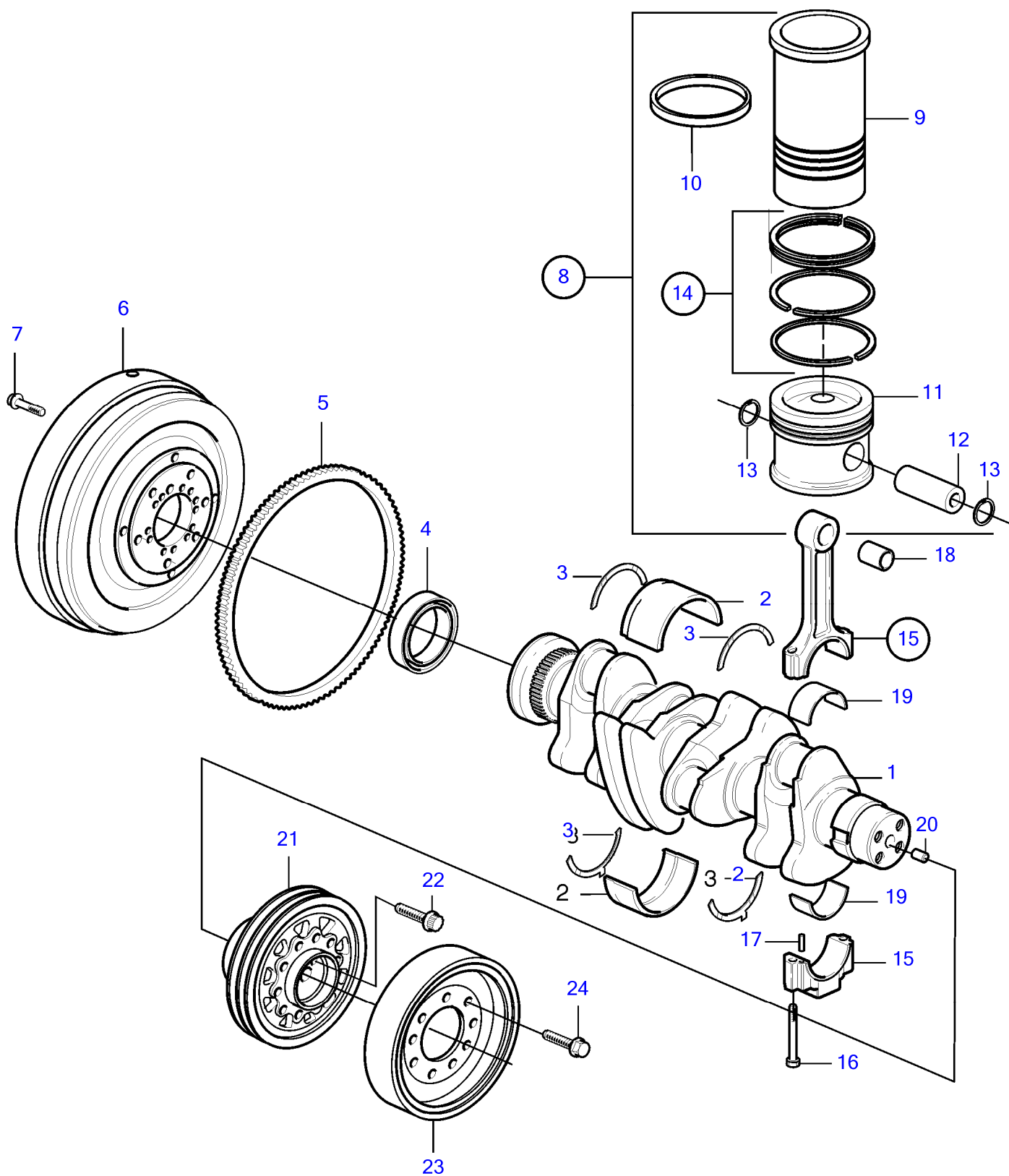
21 Crank Mechanism Stage 2, Tier 2
TAD730GE, TAD731GE

Ref	Part No.	Qty	Description	Notes
1	21245957	1	Crankshaft	
2	21141948	7	Main bearing	Std
	21234191	7	Main bearing	U.S=0,25mm
	20405541	7	Main bearing	U.S=0.50mm
3	20405899	2	Thrust washer kit	Std
	11700315	2	Safety washer	O.S=0.20mm (3.1mm)
4		1	Crankshaft seal	
5		1	Gear ring	
6		1	Flywheel	
7		10	Screw	
8	3843536	6	Cylinder liner kit	
9		6	• Cylinder liner	
10	20412762	12	• O-ring	
11		6	• Piston	
12	20405577	6	• • Piston pin	
13	20405576	12	• • Snap ring	
14	20450775	6	• • Piston ring	
15	11700324	6	Connecting rod	
16	11700326	12	• Flange screw	
17	20459134	6	• Grooved pin	
18	11700325	6	• Bushing	
19	20565150	6	Bearing	Std, Only for 11700324
	20717211	6	Bearing	U.S=0.25mm, Only for 20585982
	20565188	6	Bearing	U.S=0.50mm, Only for 20585982
20	20405634	1	Spring pin	18X24
21	20405725	1	V-belt pulley	For fan mounted on coolant pump, Alternator dw/width 238,2/10., Pump dw/width 237,8
22	20405724	4	Six point screw	
23	20412598	1	Vibration damper	Tropical radiator (high air temperature)., (340x32)
24	888289	9	Flange screw	
25	20546792	1	Vibration damper	other radiator (normal air temperature)., Twin vibration damper (248x32, 280x40), (248x32, 280x40)
26	20460799	1	Spacer	Twin vibration damper (248x32, 280x40)
27	20585446	1	Vibration damper	Replaced by 21165424, Mount with 21022723 and 970947
28	20460800	1	Washer	
	21022723	1	Flange plate	For 20585446
	21022723	1	Flange plate	for 21165424
29	20460205	9	Hexagon screw	
	970947	9	Hexagon screw	For 20585446
	995717	9	Flange screw	for 21165424



21 Crank Mechanism Stage 2, Tier 2
TAD732GE, TAD733GE

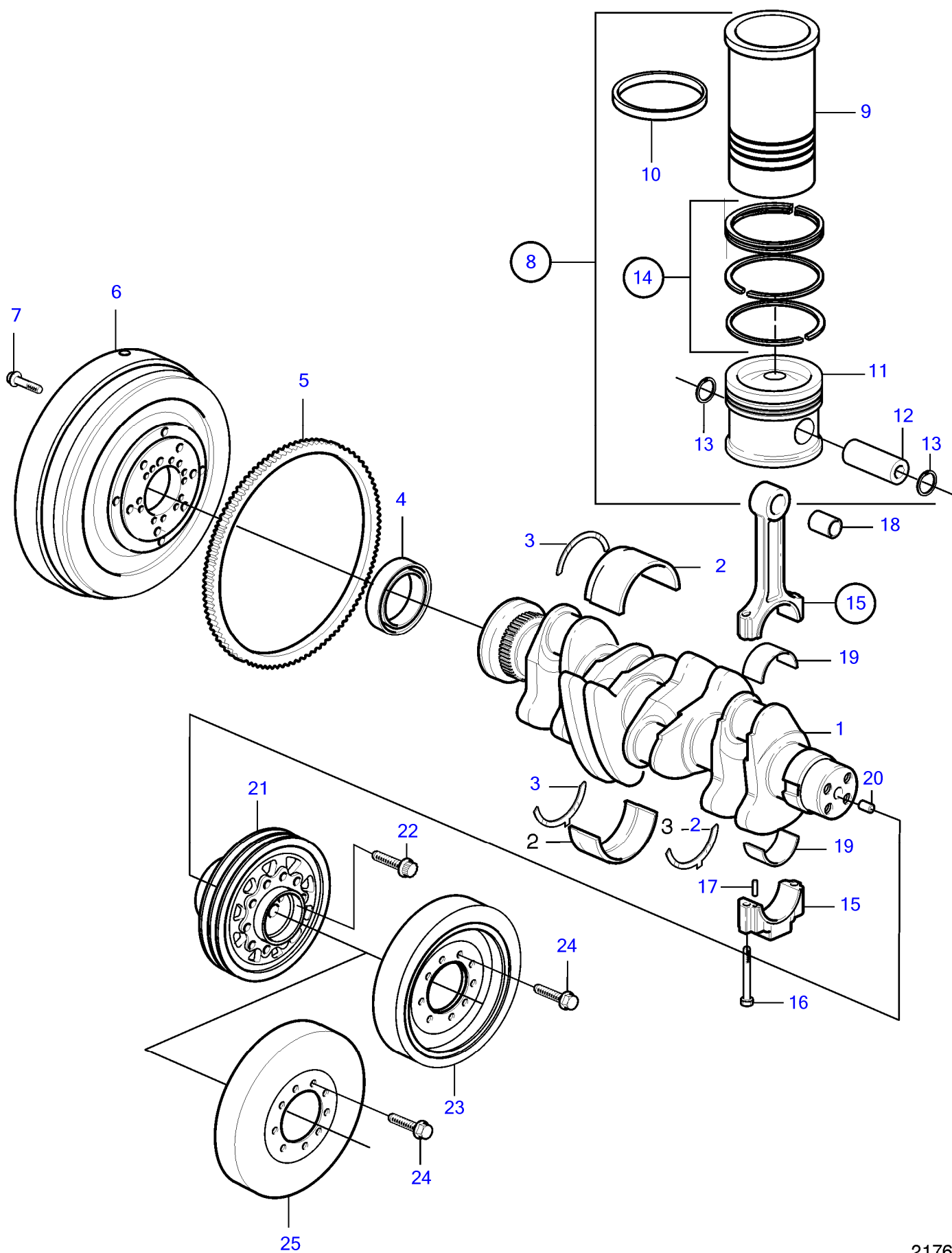
Ref	Part No.	Qty	Description	Notes
1	21245957	1	Crankshaft	
2	21141948	7	Main bearing	Std
	21234191	7	Main bearing	U.S=0,25mm
	20405541	7	Main bearing	U.S=0.50mm
3	20405899	2	Thrust washer kit	Std
	11700315	2	Safety washer	O.S=0.20mm (3.1mm)
4		1	Crankshaft seal	
5		1	Gear ring	
6		1	Flywheel	
7		10	Screw	
8	3842448	6	Cylinder liner kit	SN1058414-
9		6	• Cylinder liner	
10	20412762	12	• O-ring	
11		6	• Piston	
12	20405577	6	• • Piston pin	
13	20405576	12	• • Snap ring	
14	20450775	6	• • Piston ring	
15	20585982	6	Connecting rod	
16	11700326	12	• Flange screw	
17	20459134	6	• Grooved pin	
18	11700325	6	• Bushing	
19	20766790	6	Bearing	Std
	20790423	6	Big-end bearing kit	U.S=0.25mm
	20790428	6	Big-end bearing kit	U.S=0.50mm
20	20405634	1	Spring pin	18X24
21	20592786		Flange	
22	20405724	4	Six point screw	
23	20585446	2	Vibration damper	For separate fan bracket., Genset 200 kva n=1500 1/min
	20727639	2	Vibration damper	For separate fan bracket., Genset 200 kva n=1800 1/min, 1800 rpm
24	20592794	1	Pulley	3-groove, SN-11378554
	22298162	1	Pulley	3-groove, SN11378555-
25	20460800	1	Washer	
26	3586609	9	Hexagon screw	



21724

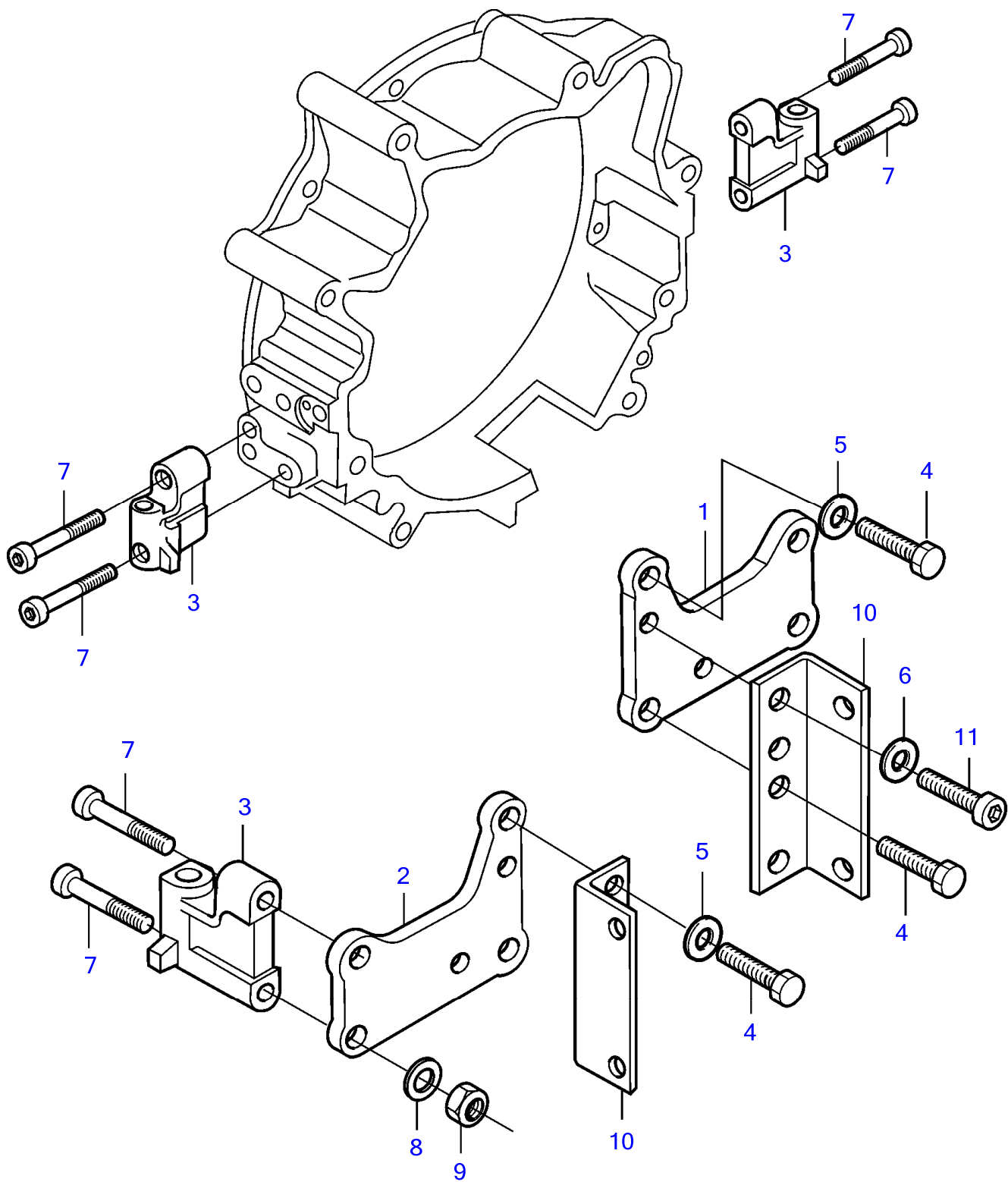
**21 Crank Mechanism Stage 1, Tier 1
TD520GE**

Ref	Part No.	Qty	Description	Notes
1	20405540	1	Crankshaft	SN-01098272
	20900811	1	Crankshaft	SN01098273-
2	21141948	5	Main bearing	Std
	20405529	5	Main bearing	U.S=0,25mm, SN-10594934
	21234191	5	Main bearing	U.S=0,25mm, SN10594935-
	20405541	5	Main bearing	U.S=0.50mm
3	20405899	2	• Thrust washer kit	Std
	11700315	2	Safety washer	O.S=0.20mm (3.1mm)
4	20412286	1	Lip seal	
5		1	Gear ring	
6		1	Flywheel	
7		10	Screw	
8	877337	4	Cylinder liner kit	(877459)
9		4	• Cylinder liner	Marked: CP, on cylinder liner edge.
10	20412762	8	• O-ring	
11		4	• Piston	
12	20405577	4	• • Piston pin	
13	20405576	8	• • Snap ring	
14	21304975	4	Piston ring	
15	20585982	4	Connecting rod	
16	11700326	8	• Flange screw	
17	20459134	4	• Grooved pin	
18	11700325	4	• Bushing	
19	20565150	4	Bearing	Std, Only for original part 11700324
	20717211	4	Bearing	U.S=0.25mm, Only for 11700324
	20565188	4	Bearing	U.S=0.50mm, Only for 11700324
	20766790	4	Bearing	Std, Only for 20585982
	20790423	4	Big-end bearing kit	U.S=0.25mm, Only for 20585982
	20790428	4	Big-end bearing kit	U.S=0.50mm, Only for 20585982
20	20405634	1	Spring pin	18X24
21	20405725	1	V-belt pulley	For fan mounted on coolant pump, Alternator dw/width 238,2/10., Pump dw/width 238,2/10.
22	20405724	4	Six point screw	
23	20546792	1	Vibration damper	(248x32)
24	888289	9	Flange screw	



**21 Crank Mechanism Stage 1, Tier 1
TD720GE**

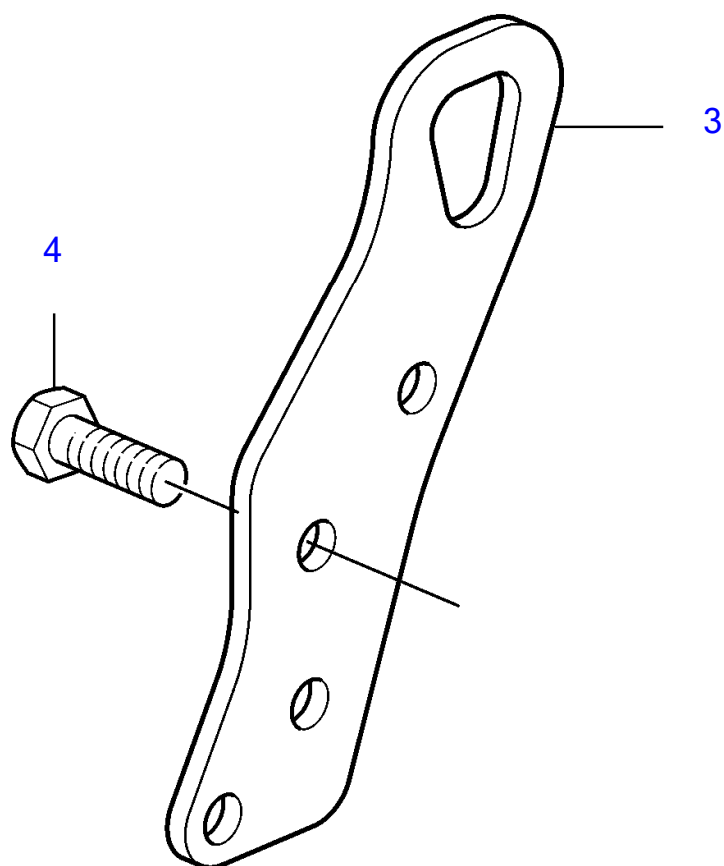
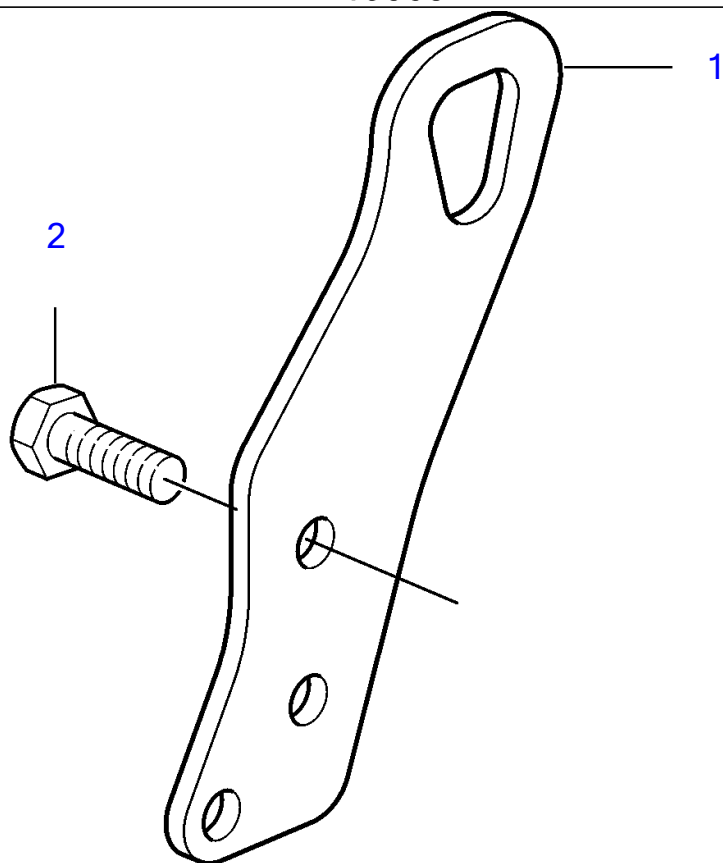
Ref	Part No.	Qty	Description	Notes
1	20412323	1	Crankshaft	SN-01064130
	20724015	1	Crankshaft	SN-01099467
	20790461	1	Crankshaft	SN-01099468
	21245957	1	Crankshaft	SN01099469-
2	21141948	7	Main bearing	Std
	20405529	7	Main bearing	U.S=0,25mm, SN-10594934
	21234191	7	Main bearing	U.S=0,25mm, SN10594935-
	20405541	7	Main bearing	U.S=0.50mm
3	20405899	2	Thrust washer kit	Std
	11700315	2	Safety washer	O.S=0.20mm (3.1mm)
4		1	Crankshaft seal	
5		1	Gear ring	
6		1	Flywheel	
7		10	Screw	
8	877337	6	Cylinder liner kit	
9		6	• Cylinder liner	Marked: CP, on cylinder liner edge.
10	20412762	12	• O-ring	
11		6	• Piston	
12	20405577	6	• • Piston pin	
13	20405576	12	• • Snap ring	
14	21304975	6	• • Piston ring	
15	20585982	6	Connecting rod	
16	11700326	12	• Flange screw	
17	20459134	6	• Grooved pin	
18	11700325	6	• Bushing	
19	20565150	6	Bearing	Std, (11700316), SN-10761610, Only for 11700324
	20717211	6	Bearing	U.S=0.25mm, (11700317), SN-10761610, Only for 11700324
	20565188	6	Bearing	U.S=0.50mm, (11700318), SN-10761610, Only for 11700324
	20766790	6	Bearing	Std, SN10761611-
	20790423	6	Big-end bearing kit	U.S=0.25mm, SN10761611-
	20790428	6	Big-end bearing kit	U.S=0.50mm, SN10761611-
20	20405634	1	Spring pin	18X24
21	20405725	1	V-belt pulley	For fan mounted on coolant pump, Alternator dw/width 238,2/10., Pump dw/width 237,8
22	20405724	4	Six point screw	
23	20412598	1	Vibration damper	other radiator (normal air temperature)., (280x40)
24	888289	9	Flange screw	
25	20412598	1	Vibration damper	Tropical radiator (high air temperature)., (340x32)



21 Engine Mounting

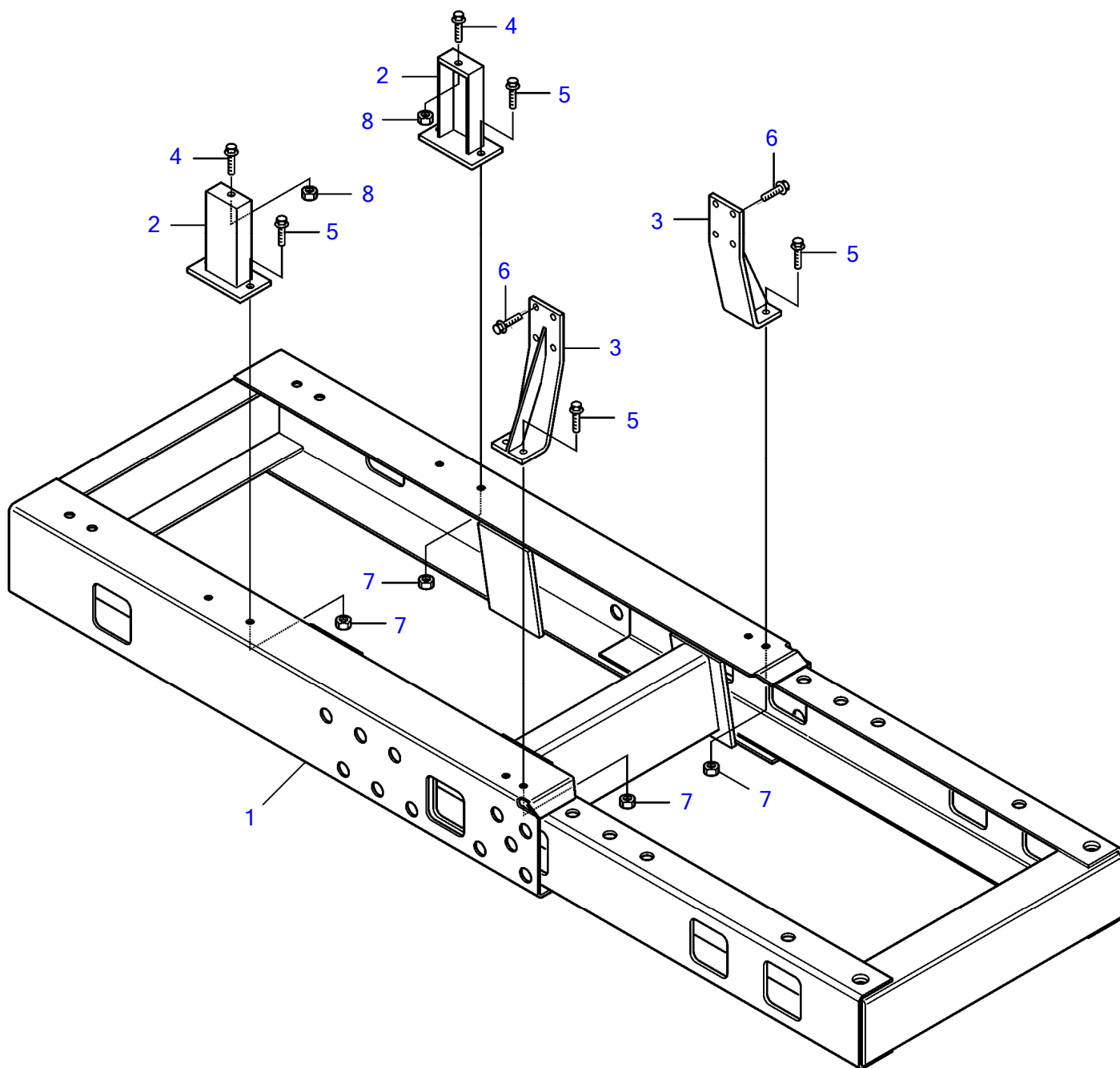
TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE

Ref	Part No.	Qty	Description	Notes
1	20723978	1	Bracket, front	Left
2	20723984	1	Bracket, front	Right
3	20405727	4	Engine mounting	
4	20555141	4	Screw	
5	20405606	4	Washer	
6	20460868	2	Washer	
7	20702909	8	Cross recessed screw	L=60mm
8	20460868	4	Washer	
9	20542497	4	Hexagon nut	
10	20703183	2	Retainer	TD520GE
	20703179	2	Retainer	TAD520GE, TAD720GE, SN-10621575
	21254098	2	Retainer	SN10621576-
11	20555061	2	Hex. socket screw	L=40mm



21 Lifting Iron
TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE,
TAD733GE

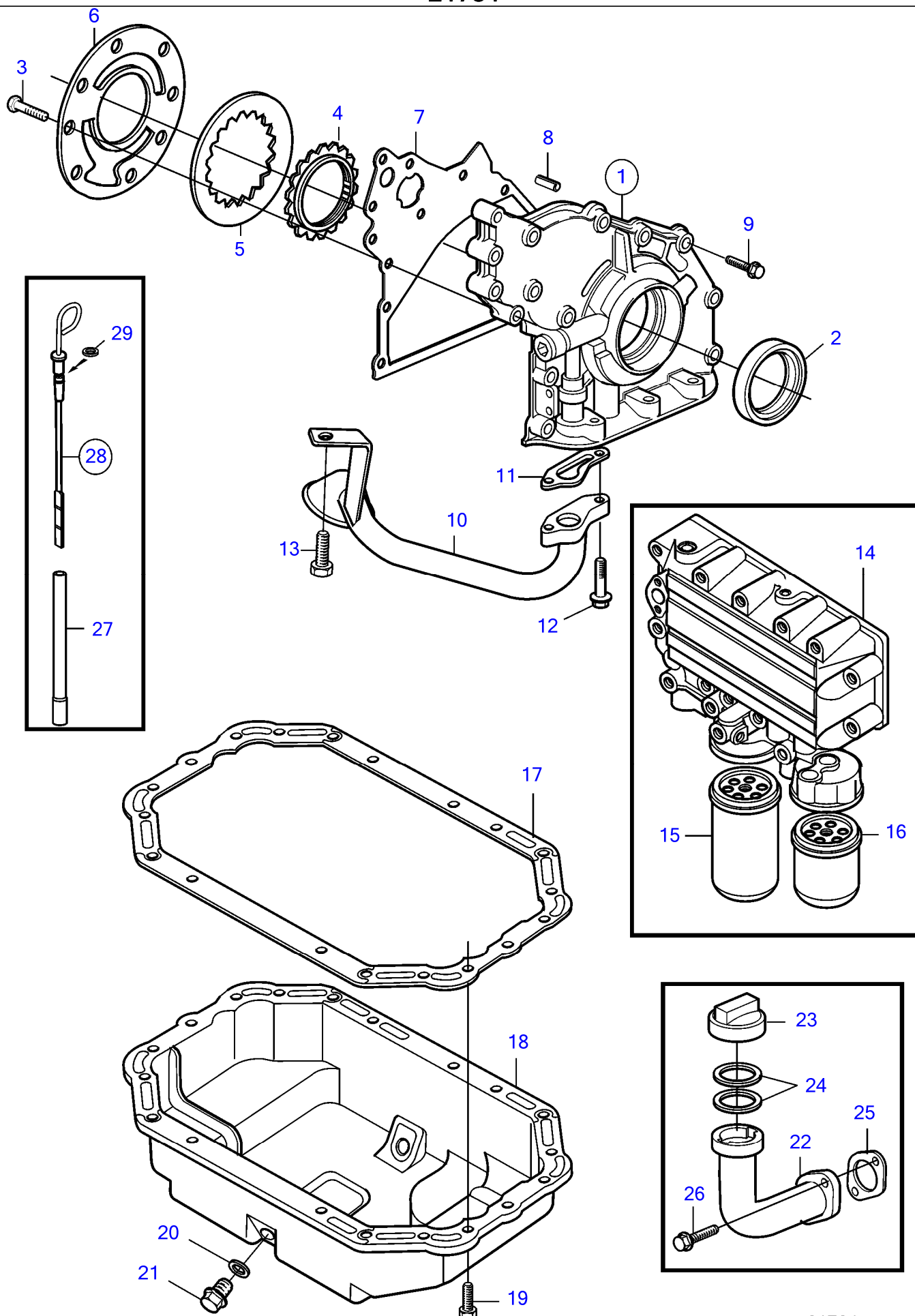
Ref	Part No.	Qty	Description
1		1	Lifting eye
2	20450856	2	Screw
3		1	Lifting eye
4	970947	2	Hexagon screw



23930

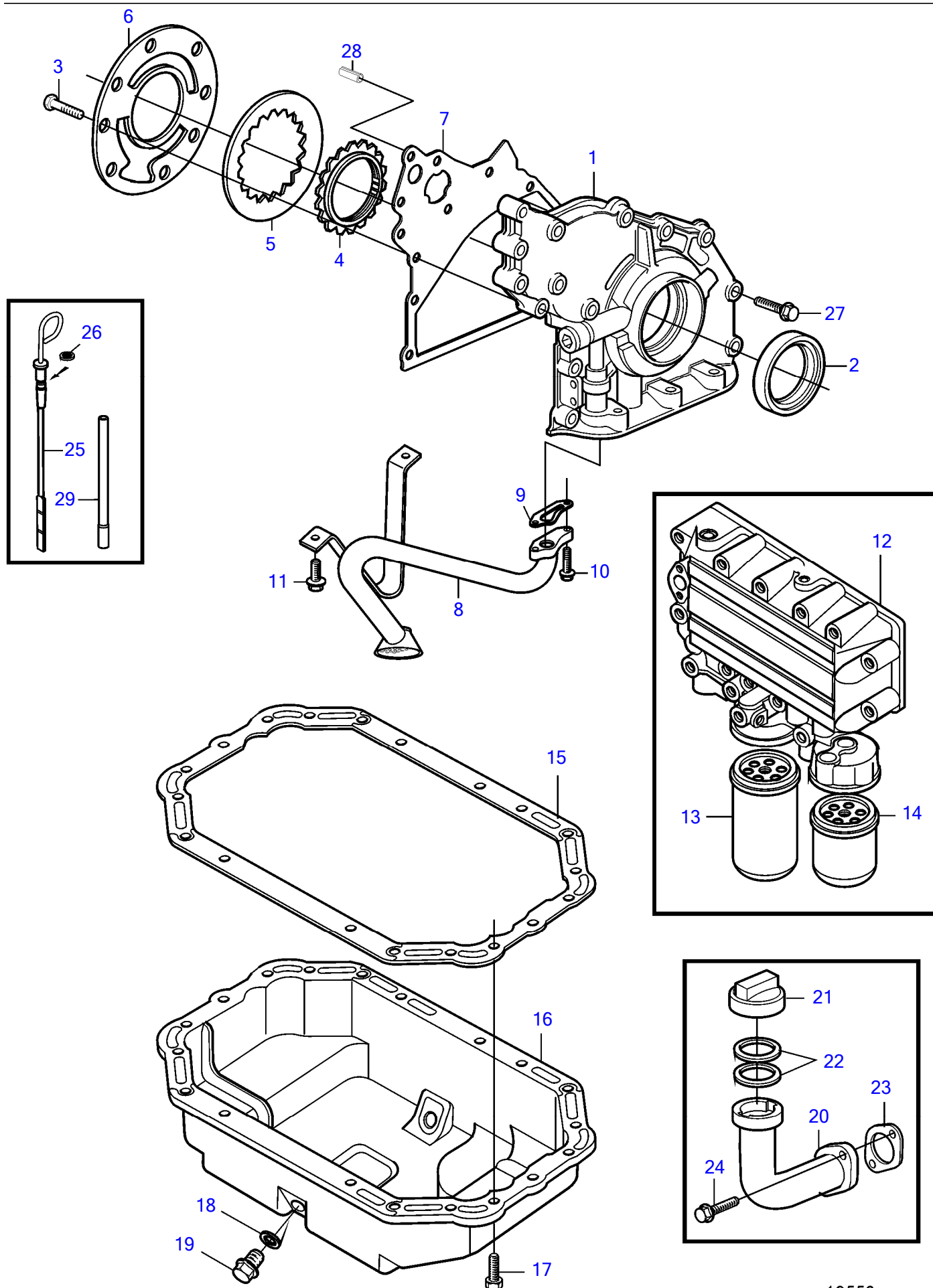
21 Engine Mounting and Frame
TD720GE

Ref	Part No.	Qty	Description
1		1	Frame
2	3812838	1	Support, front
3	3812834	1	Support, Rear
4	946473	2	Flange screw
5	984815	8	Flange screw
6	984815	8	Flange screw
7	990942	8	Flange nut
8	990942	2	Flange nut

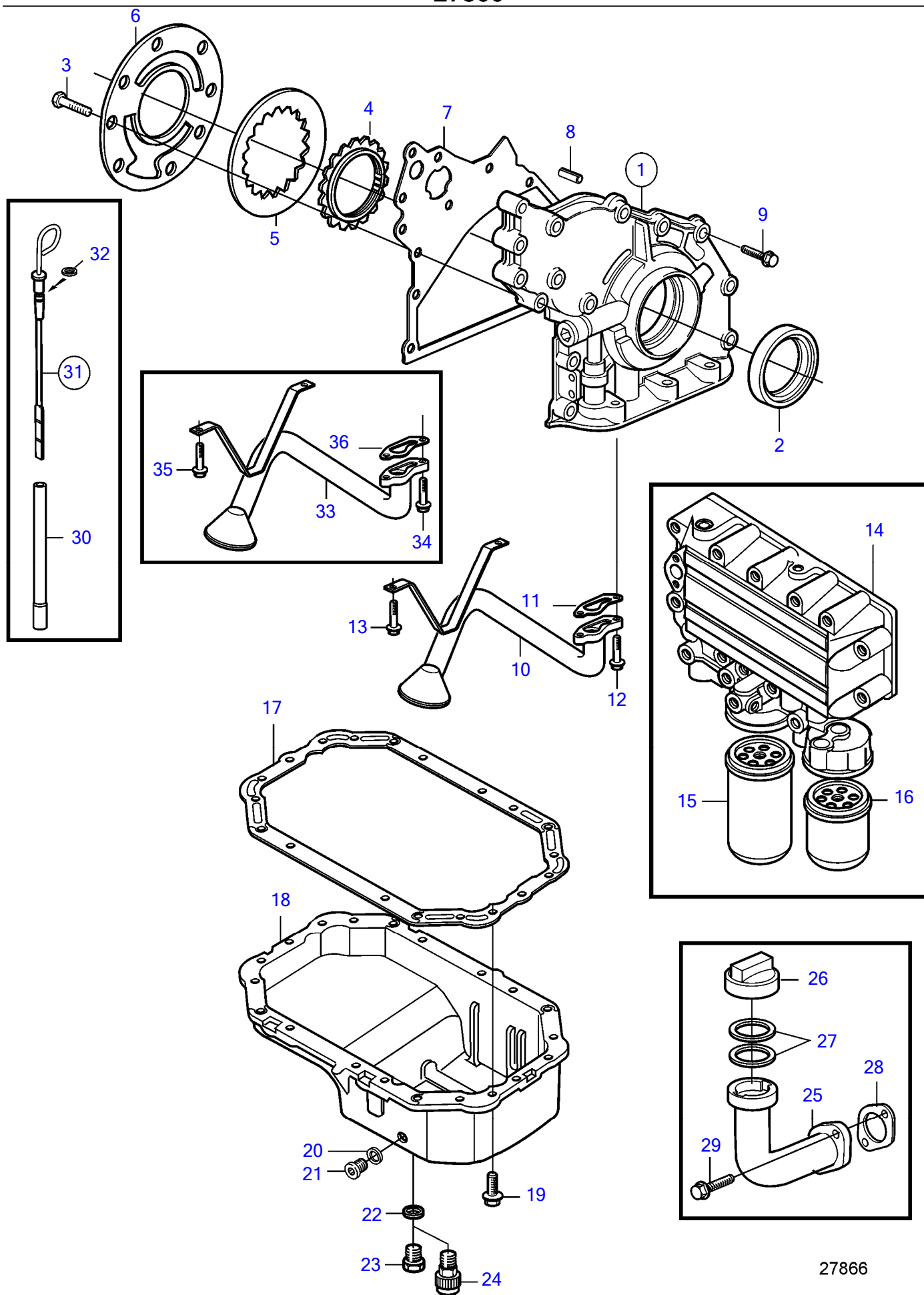


22 Lubricating System
 TAD530GE, TAD531GE, TAD532GE

Ref	Part No.	Qty	Description	Notes
1	20882047	1	Front cover	
2	20412568	1	• Lip seal	
3	20451738	8	• Hex. socket sunk scr	
4		1	• Pump unit, inner	
5		1	• Pump unit, outer	
6		1	• Cover plate	
7	20742661	1	Gasket	
8	20405603	1	Spring pin	
9	20412324	14	Flange screw	
10	20405635	1	Suction pipe	
11	20405888	1	Gasket	
12	984735	2	Flange screw	
13	20405792	1	Flange screw	
14		1	Housing	
15	3831236	1	Oil filter	
			• Bulletin P-18-3-11	QUANT PAC of Maintenance parts
16		1	Fuel filter	
17	20405843	1	Gasket	
18	11700301	1	Oil pan	
19	20405792	26	Flange screw	
20	11998	2	Gasket	
21	20405506	2	Plug	
22	20412347	1	Oil filler pipe	
23	20405835	1	Filler cap	
24	20460209	1	Repair kit	
25	20405825	1	Gasket	
26	984734	2	Flange screw	
27	20405644	1	Guide tube	
28	20405642	1	• Dipstick	Short oil dipstick in front. (Short in front).
29	20412343	1	Sealing ring	

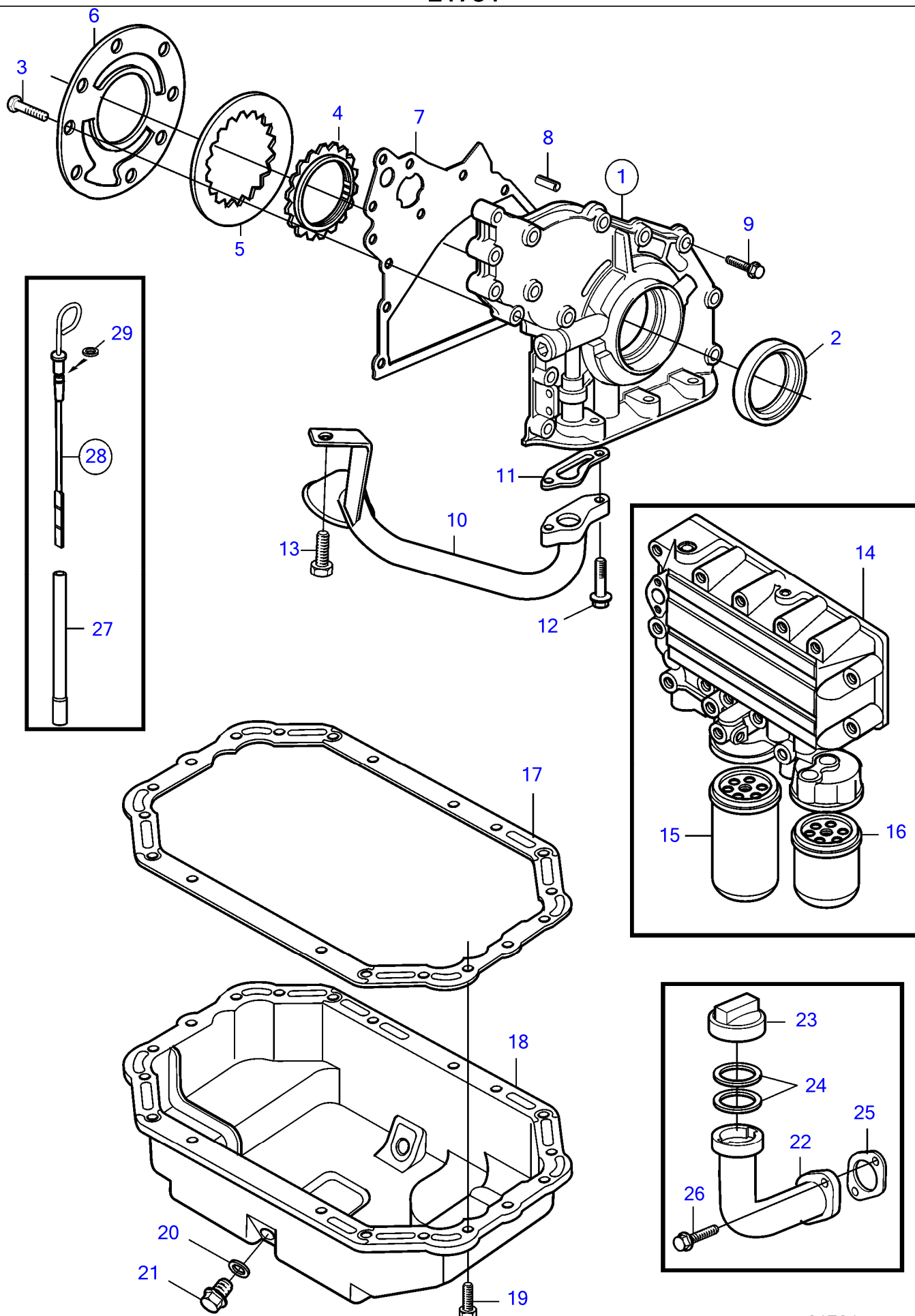


Ref	Part No.	Qty	Description	Notes
1	20875082	1	Front cover	
2	20412568	1	• Lip seal	
3	20451738	8	• Hex. socket sunk scr	
4		1	Pump unit, inner	
5		1	Pump unit, outer	
6		1	Cover plate	
7	20742661	1	Gasket	
8	20450884	1	Suction pipe	
9	20405888	1	Gasket	
10	984735	2	Flange screw	
11	20405792	2	Flange screw	
12			Housing	
13	3831236	1	Oil filter	
			• Bulletin P-18-3-11	QUANT PAC of Maintenance parts
14		1	Fuel filter	
15	20405915	1	Gasket	
16	20412345	1	Oil pan	
17	20405792	34	Flange screw	
18	11998	2	Gasket	
19	20405506	2	Plug	
20	20412347	1	Oil filler pipe	
21	20405835	1	Filler cap	
22	20460209	2	Repair kit	
23	20405825	1	Gasket	
24	984734	2	Flange screw	
25	20405838	1	Dipstick	
26	20412343	1	• Sealing ring	
27	20412324	14	Flange screw	
28	20405603	1	Spring pin	
29	20450869	1	Guide tube	



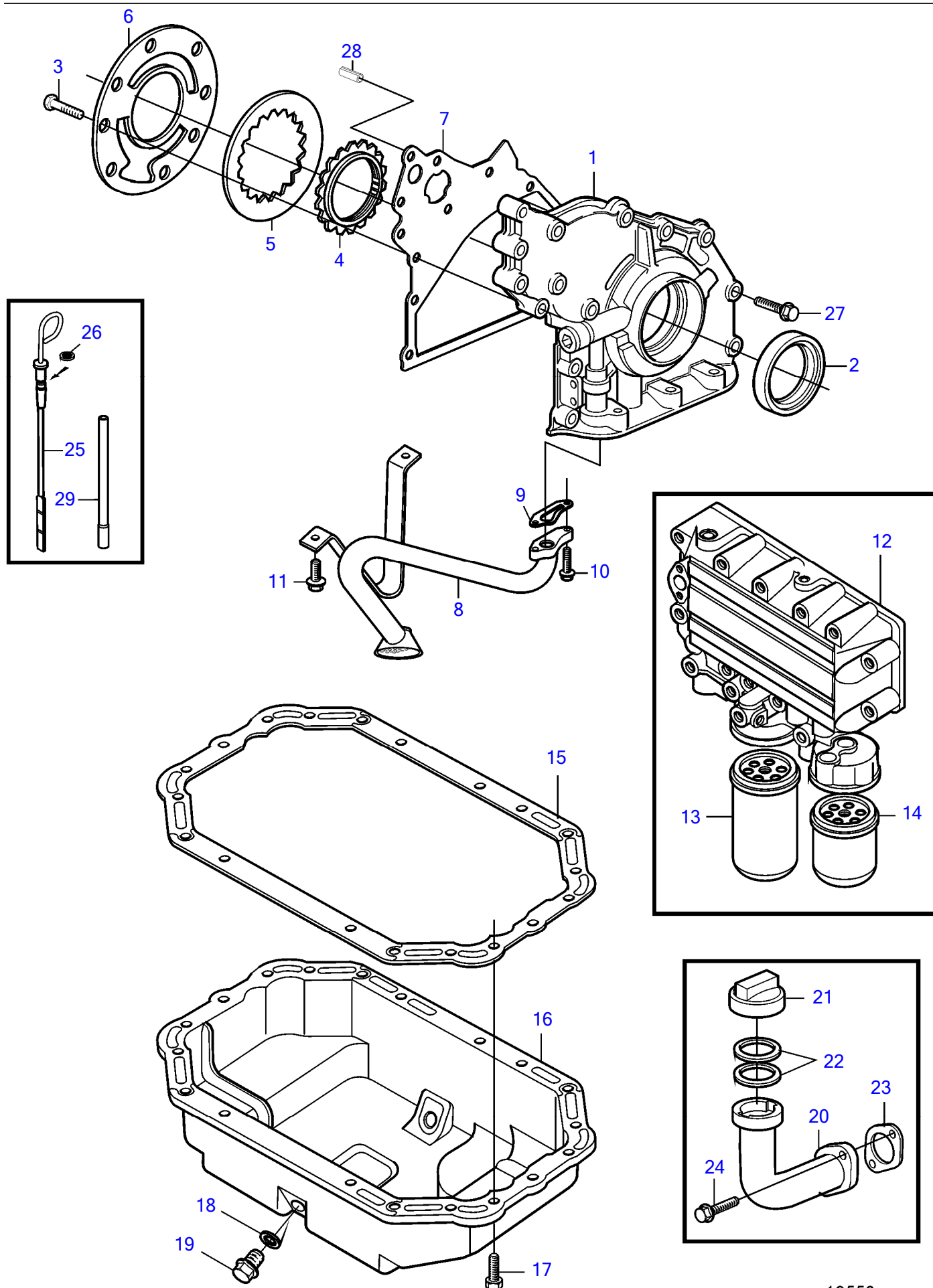
22 Lubricating System
TAD732GE, TAD733GE

Ref	Part No.	Qty	Description	Notes
1	20875082	1	Front cover	
2	20412568	1	• Lip seal	
3	20451738	8	• Hex. socket sunk scr	
4		1	• Pump unit, inner	
5		1	• Pump unit, outer	
6		1	• Cover plate	
7	20742661	1	Gasket	
8	20405603	1	Spring pin	
9	20412324	14	Flange screw	
10	20485259	1	Suction pipe	SN-5311164826
11	20405888	1	Gasket	SN-5311164826
12	984735	2	Flange screw	SN-5311164826
13	20405792	1	Flange screw	SN-5311164826
14		1	Housing	
15	3831236	1	Oil filter	
			• Bulletin P-18-3-11	QUANT PAC of Maintenance parts
16		1	Fuel filter	
17	20405915	1	Gasket	
18	20485257	1	Oil pan	
19	20405792	34	Flange screw	
20	20460026	2	Sealing ring	
21	20460024	2	Plug	
22	11998	1	Gasket	
23	20405506	1	Plug	
24	20450851	1	Drain valve	SN-5311902426
	22879098	1	Drain valve	SN5311902427-
25	20412347	1	Oil filler pipe	
26	20405835	1	Filler cap	
27	20460209	1	Repair kit	
28	20405825	1	Gasket	
29	984734	2	Flange screw	
30	20450869	1	Guide tube	(20505882)
31	20485553	1	Dipstick	
32	20412343	1	• Sealing ring	
33	21470688	1	Suction pipe	SN5311164827-
34	994441	2	Flange screw	SN5311164827-
35	946440	2	Flange screw	SN5311164827-
36	20405888	1	Gasket	SN5311164827-



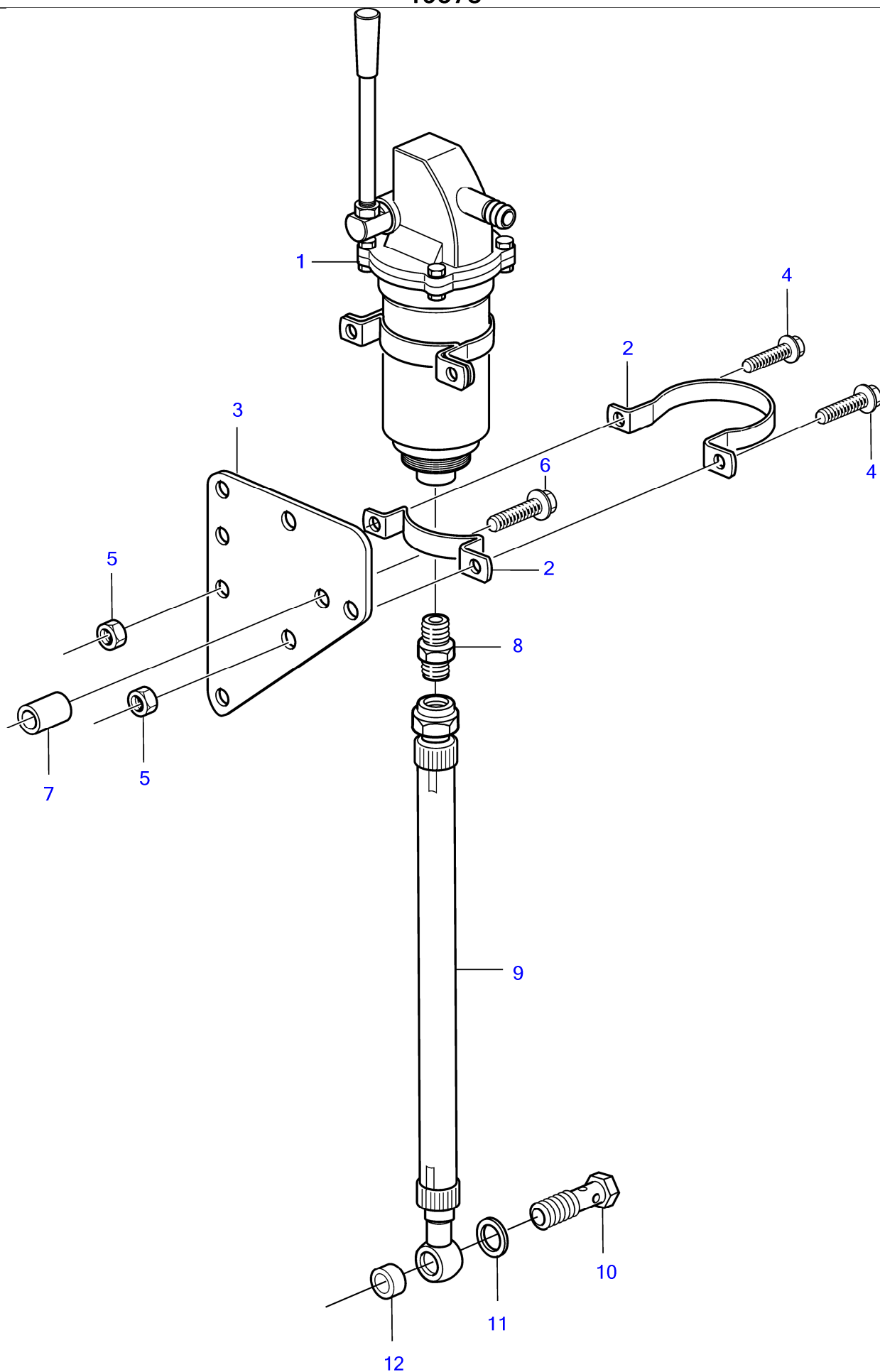
**22 Lubricating System
TD520GE**

Ref	Part No.	Qty	Description	Notes
1	20882047	1	Front cover	(20515177)
2	20412568	1	• Lip seal	
3	20451738	8	• Hex. socket sunk scr	
4		1	• Pump unit, inner	
5		1	• Pump unit, outer	
6		1	• Cover plate	
7	20742661	1	Gasket	
8	20405603	1	Spring pin	
9	20412324	14	Flange screw	
10	20405635	1	Suction pipe	
11	20405888	1	Gasket	
12	984735	2	Flange screw	(20441520)
13	20405792	1	Flange screw	
14		1	Housing	SN-5301099356
		1	Housing	SN5301099357-
15	3831236	1	Oil filter	
			• Bulletin P-18-3-11	QUANT PAC of Maintenance parts
16		1	Fuel filter	
17	20405843	1	Gasket	
18	11700301	1	Oil pan	
19	20405792	26	Flange screw	
20	11998	2	Gasket	
21	20405506	2	Plug	
22	20412347	1	Oil filler pipe	
23	20405835	1	Filler cap	
24	20460209	1	Repair kit	
25	20405825	1	Gasket	
26	984734	2	Flange screw	
27	20405644	1	Guide tube	(20505882)
28	20405642	1	• Dipstick	Short oil dipstick in front. (Short in front).
29	20412343	1	Sealing ring	



**22 Lubricating System
TD720GE**

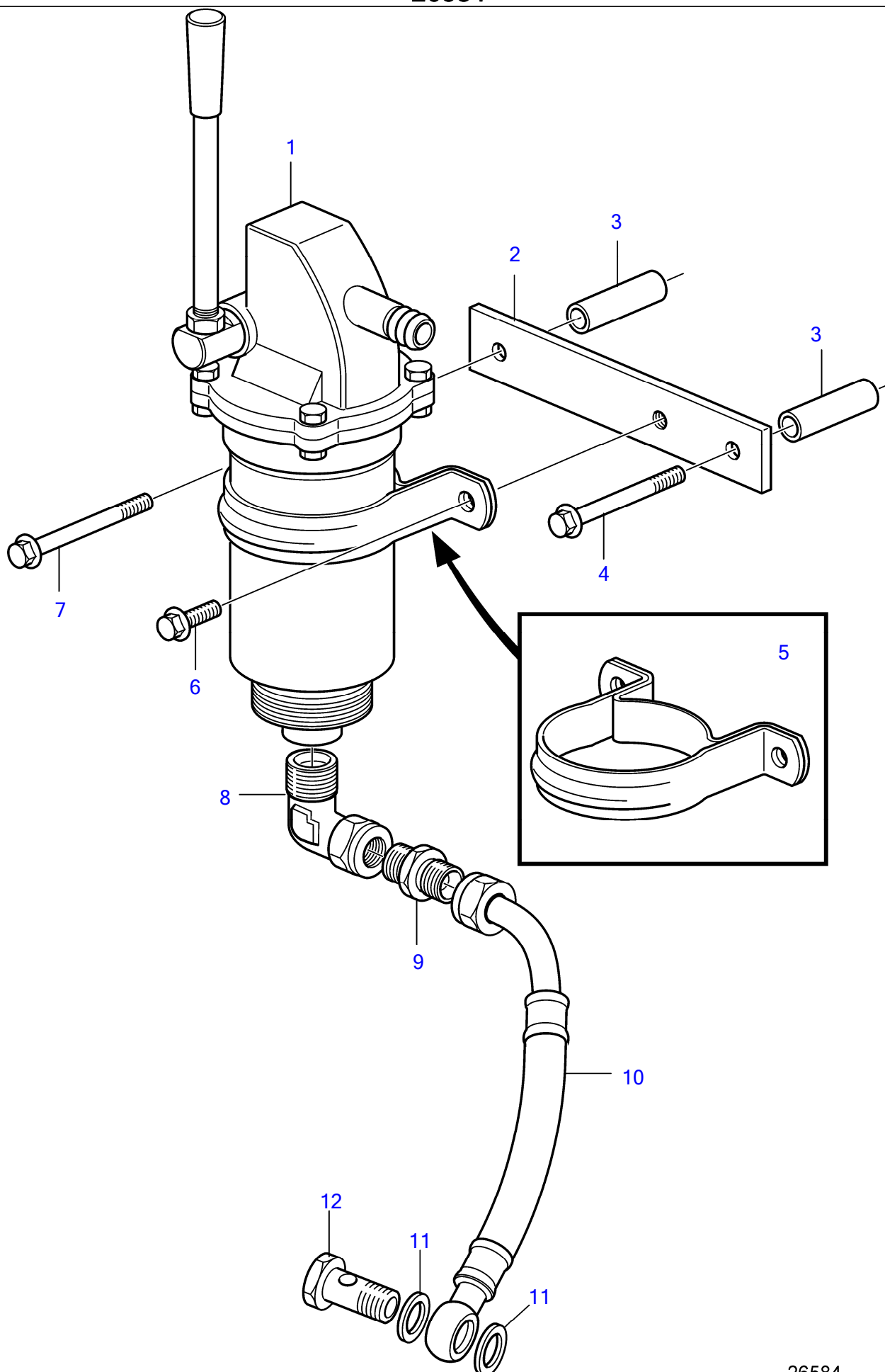
Ref	Part No.	Qty	Description	Notes
1	20882047	1	Front cover	(20515177)
	20875082	1	Front cover	SN01098014-
2	20412568	1	• Lip seal	
3	20451738	8	• Hex. socket sunk scr	
4		1	• Pump unit, inner	
5		1	• Pump unit, outer	
6		1	• Cover plate	
7	20742661	1	Gasket	
8	20450884	1	Suction pipe	
9				
10	984735	2	Flange screw	(20441520)
11	20405792	2	Flange screw	
12		1	Housing	SN-5301099356, TD720GE
		1	Housing	SN5301099357-, TD720GE, TAD720GE
13	3831236	1	Oil filter	
			• Bulletin P-18-3-11	QUANT PAC of Maintenance parts
14		1	Fuel filter	
15	20405915	1	Gasket	
16	20412345	1	Oil pan	
17	20405792	34	Flange screw	
18	11998	2	Gasket	
19	20405506	2	Plug	
20	20412347	1	Oil filler pipe	
21	20405835	1	Filler cap	
22	20460209	2	Repair kit	
23	20405825	1	Gasket	
24	984734	2	Flange screw	
25	20405838	1	Dipstick	
26	20412343	1	• Sealing ring	
27	20412324	14	Flange screw	(20464460)
28	20405603	1	Spring pin	
29	20450869	1	Guide tube	



22 Oil Bilge Pump

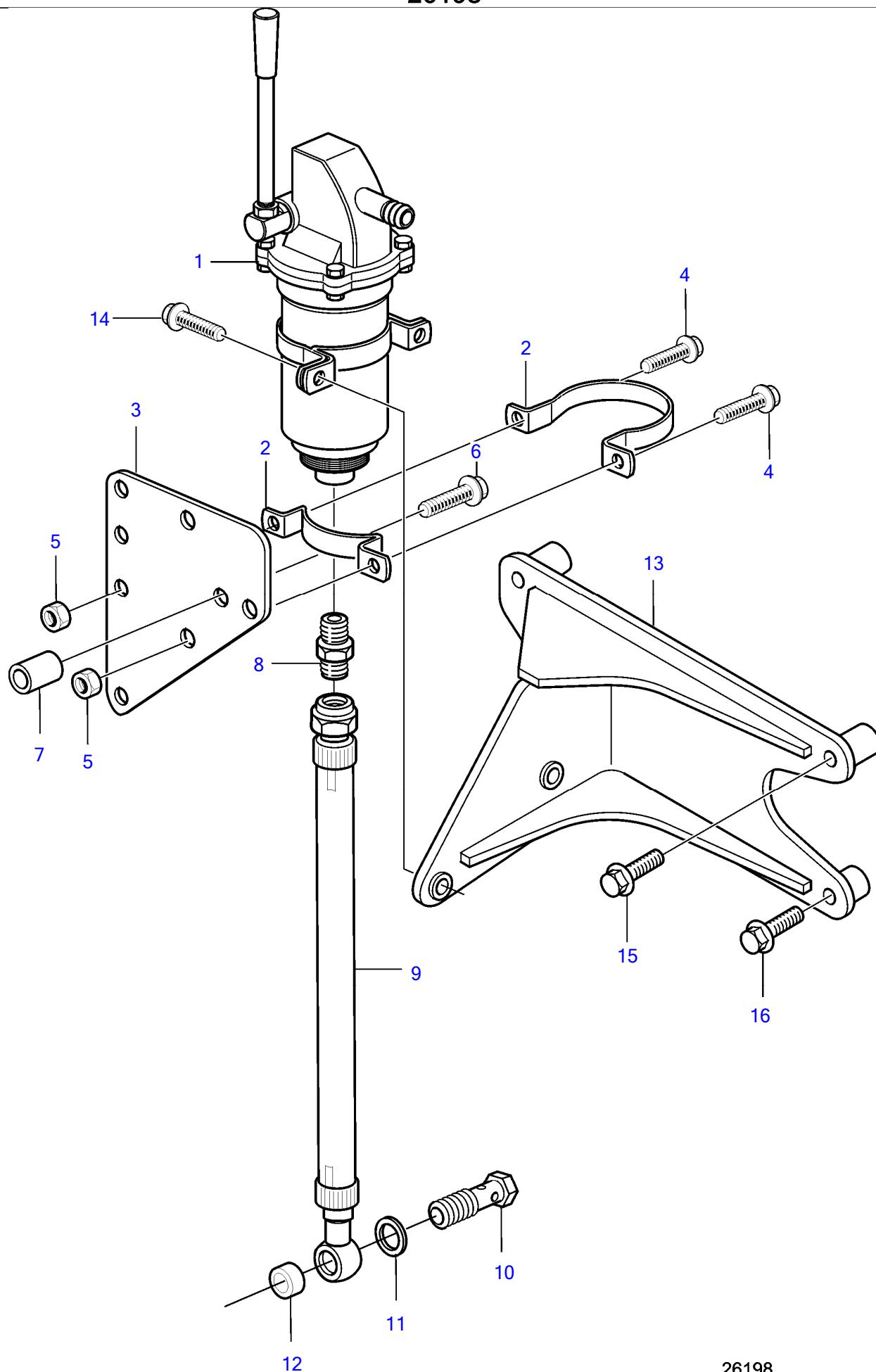
TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE

Ref	Part No.	Qty	Description	Notes
1	3827475	1	Oil drain pump	
2	3838616	1	Attaching clamp	
3	3838605	1	Bracket	
4	984735	2	Flange screw	L=25mm
5	990940	2	Flange nut	
6	20450802	2	Flange screw	L=60mm
7	888723	2	Spacer sleeve	
8	20551704	1	Nipple	
9	20798507	1	Hose	
10	20801089	1	Hollow screw	
11	11998	1	Gasket	
12	20801234	1	Spacer	



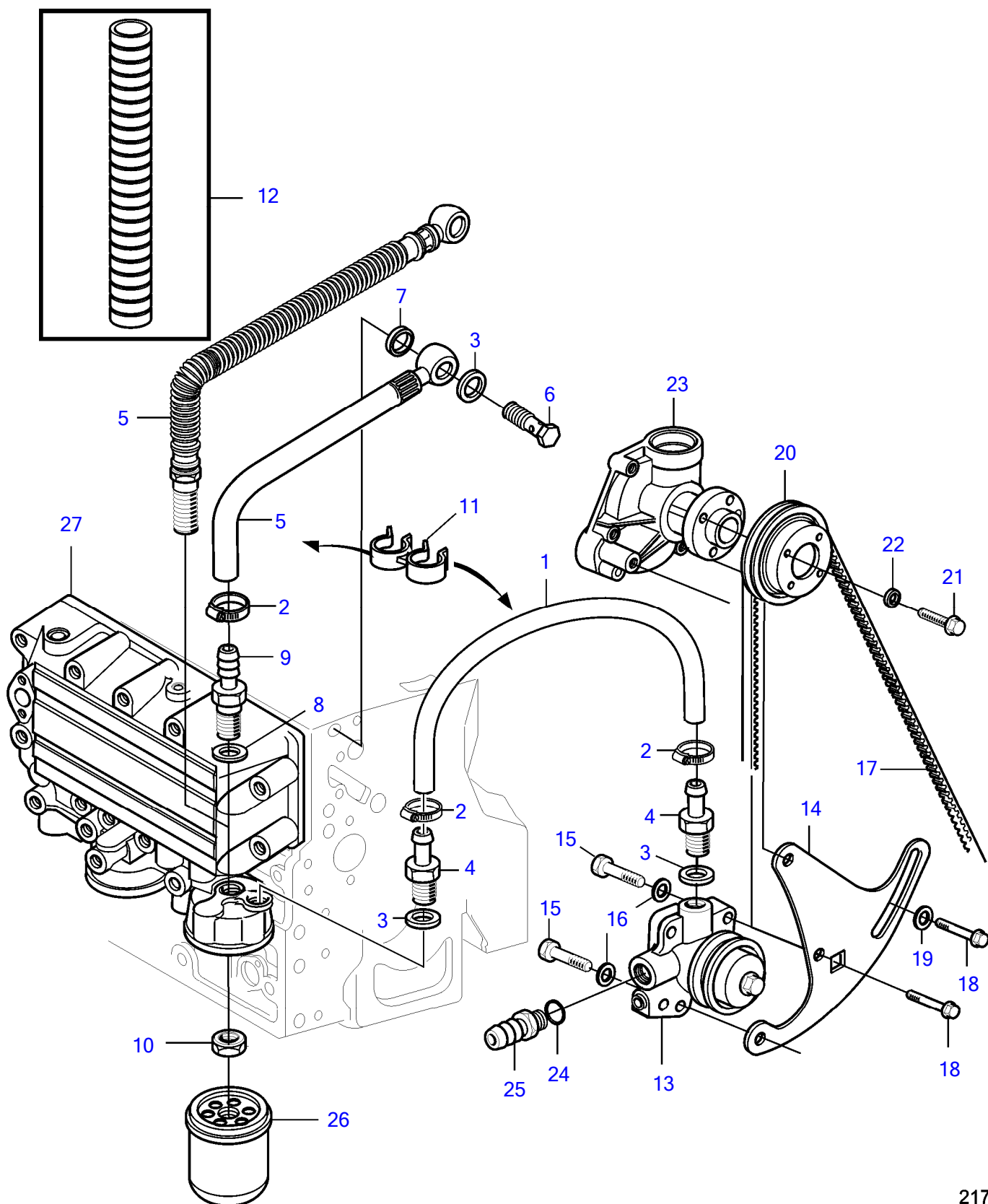
**22 Oil Bilge Pump
TD720GE**

Ref	Part No.	Qty	Description	Notes
1	3827475	1	Oil drain pump	
2	(3840517)	1	Bracket	Obsolete part
3	821542	2	Spacer sleeve	
4	984741	1	Flange screw	L=70mm
5	3838616	1	Attaching clamp	
6	984734	1	Flange screw	
7	984742	1	Flange screw	L=80mm
8	946369	1	Elbow nipple	
9	944177	1	Nipple	
10	3840519	1	Hose	
11	11998	2	Gasket	
12	26013	1	Hollow screw	



22 Oil Bilge Pump
TAD732GE, TAD733GE

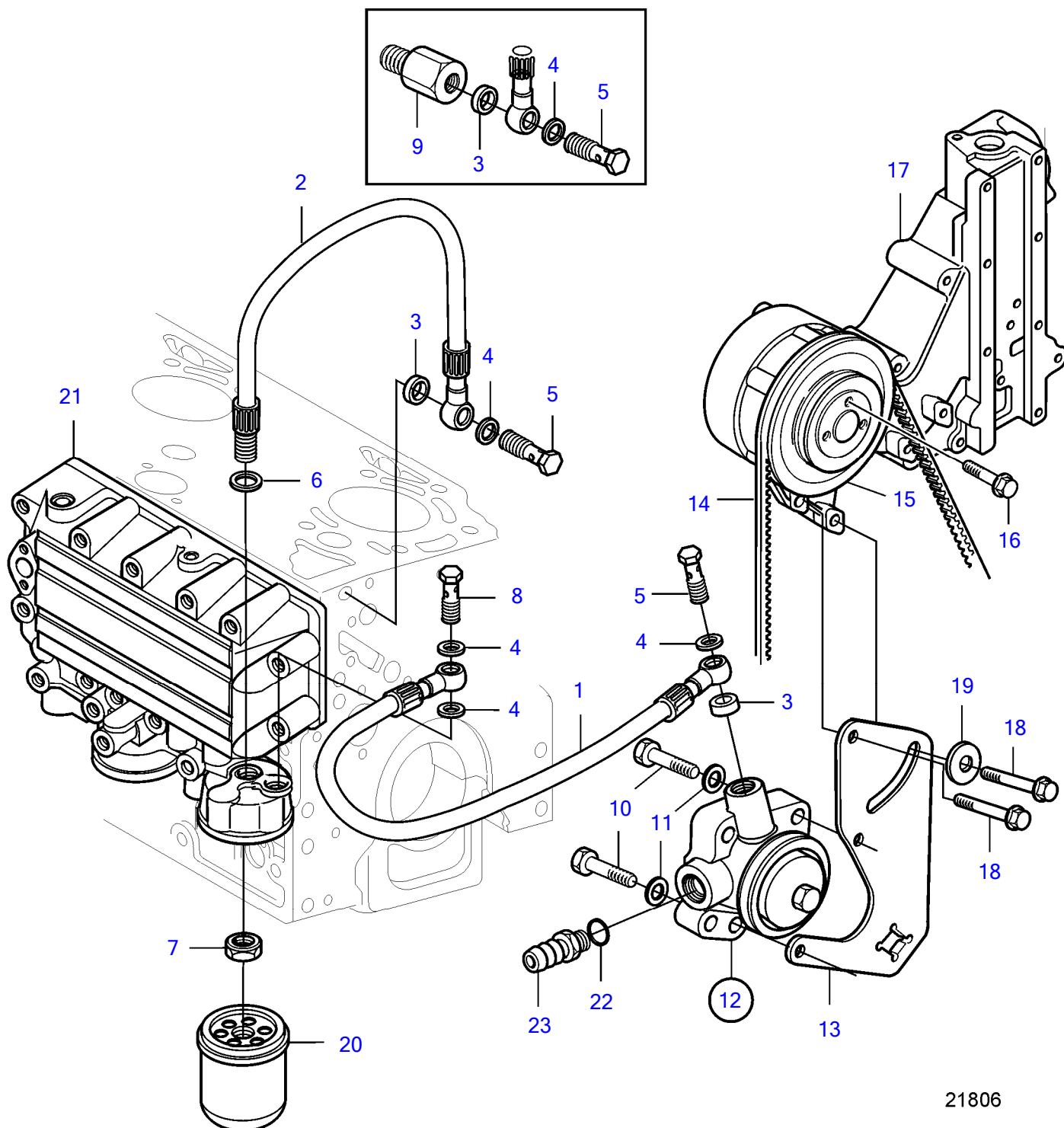
Ref	Part No.	Qty	Description	Notes
1	3827475	1	Oil drain pump	
2	3838616	1	Attaching clamp	
3	3838605	1	Bracket	
4	984735	2	Flange screw	L=25mm
5	990940	2	Flange nut	
6	984740	2	Flange screw	L=60mm
7	888723	2	Spacer sleeve	
8	20551704	1	Nipple	
9	21808404	1	Hose assembly	
10	20801089	1	• Hollow screw	
11	11998	1	• Gasket	
12	20801234	1	• Spacer	
13	21597017	1	Bracket	
14	20512299	2	Flange screw	
15	20450801	2	Flange screw	
16	975199	1	Flange screw	



23 Fuel System

TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE

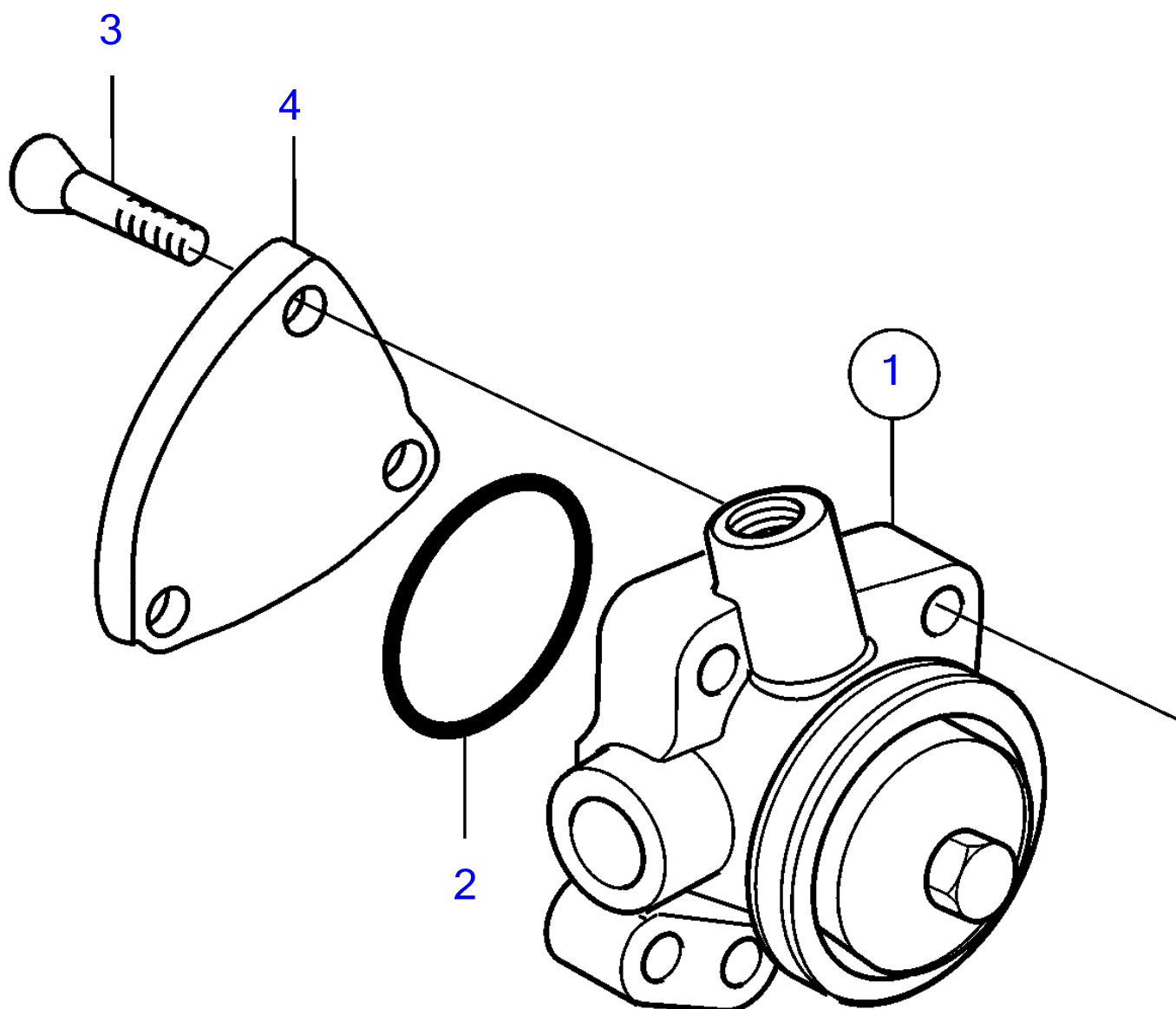
Ref	Part No.	Qty	Description	Notes
1	20405766	1	Hose	
2	20405568	3	Hose clamp	
3	957178	3	Gasket	
4	20405767	2	Hose nipple	
5	20542732	1	Fuel pipe	L=190mm
6	20405562	1	Hollow screw	
7	20405769	1	Sealing ring	
8	947622	1	Gasket	
9	20492602	1	Hose nipple	
10	20441521	1	Hexagon nut	
11	20515411	1	Hose retainer	
12	20405763	1	Tube	
13	20497044	1	Fuel pump	Replaced by 21125484
	21125484	1	Fuel pump	Replaced by 21212235
	21212235	1	Fuel pump	Replaced by 21264823
	21264823	1	Pump	Replaced by 21515763
	21515763	1	Pump	Replaced by 23066901
	23066901	1	Pump	
14	20405708	1	Bracket	
15	20450912	2	Hex. socket screw	
16	20460063	2	Spring washer	
17	20592177	1	V-belt	Fan Belt, L=1200mm
			• Bulletin P-26-3-1	Fan, Pulley / Drive Belt
18	20441860	2	Screw	L=20mm
19	20405734	1	Washer	
20	21281782	1	Pulley	Outside diameter 122mm, See parts bulletin, group 26-3 No 1.
	20405705	1	Pulley	For six-bladed fan, For TAD520GE and TAD720GE
			• Bulletin P-26-3-4	Fan, Belt Pulley / Drive Belt
21	20405792	4	Flange screw	
22	20450745	4	Washer	
23		1	Circulation pump	
24	947622	1	Gasket	(20549894)
25	20412596	1	Hose nipple	
26	3825133	1	Fuel filter	
27	21590912	1	Oil cooler	Replaced by 23124217
	23124217	1	Oil cooler	



21806

23 Fuel System for Separate Fan Bracket
TAD732GE, TAD733GE

Ref	Part No.	Qty	Description	Notes
1	20460256	1	Fuel pipe	
2	20460255	1	Fuel pipe	
3	20405769	2	Sealing ring	
4	21108673	5	Sealing ring	
5	20405562	2	Hollow screw	
6	993436	1	Gasket	
7	20441521	1	Hexagon nut	
8	25167	1	Hollow screw	
9	20450673	1	Spacer	Alternator low left., Alternator high right.
10	20450912	2	Hex. socket screw	L=25mm
11	20460063	2	Spring washer	
12	20460417	1	Pump	For separate fan bracket., SN-010557491
	21518471	1	Pump	For separate fan bracket., SN10557492-11378554
	21511350	1	Fuel pump	For separate fan bracket., SN11378555-, Replaced by 21139285
	21511350	1	Fuel pump	.
13	20460254	1	Bracket	
14	3838716	1	Drive belt	Replaced by 20549899
	20549899	1	V-belt	SN-11378554
	22298172	1	V-belt	SN11378555-
15	20550293	1	Pulley	DW=156, SN-11378554
	22298148	1	Pulley	SN11378555-
16	20405792	3	Flange screw	L=16mm
17		1	Water pump, fan bracket	.
			.	
18	20441860	2	Screw	L=20mm
19	20405734	1	Washer	
20	3825133	1	Fuel filter	
21	20797236	1	Oil cooler	
22	947622	1	Gasket	
23	20412596	1	Hose nipple	

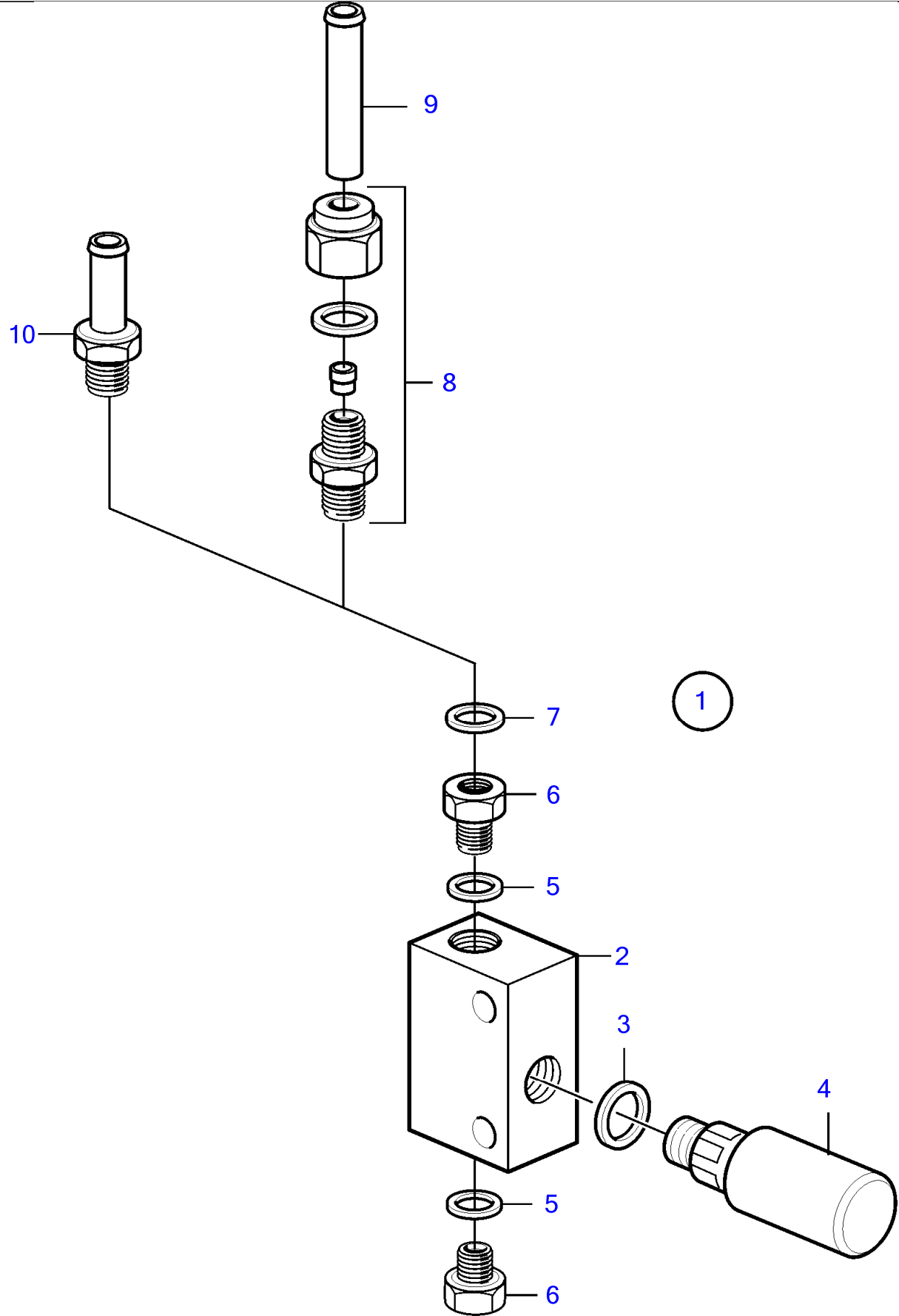


20784

23 Fuel Pump

TAD530GE, TAD531GE, TAD532GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE

Ref	Part No.	Qty	Description	Notes
1	20460417	1	Pump	SN-010557491
	21518471	1	Pump	SN10557492-10609370
	21264822	1	Pump	Replaced by 21518471
	21518471	1	Pump	For V-belt 21322035, Replaced by 23287244
	23287244	1	Pump	
2	20559801	1	• O-ring	
3	20451738	3	• Hex. socket sunk scr	
4		1	• Lock	

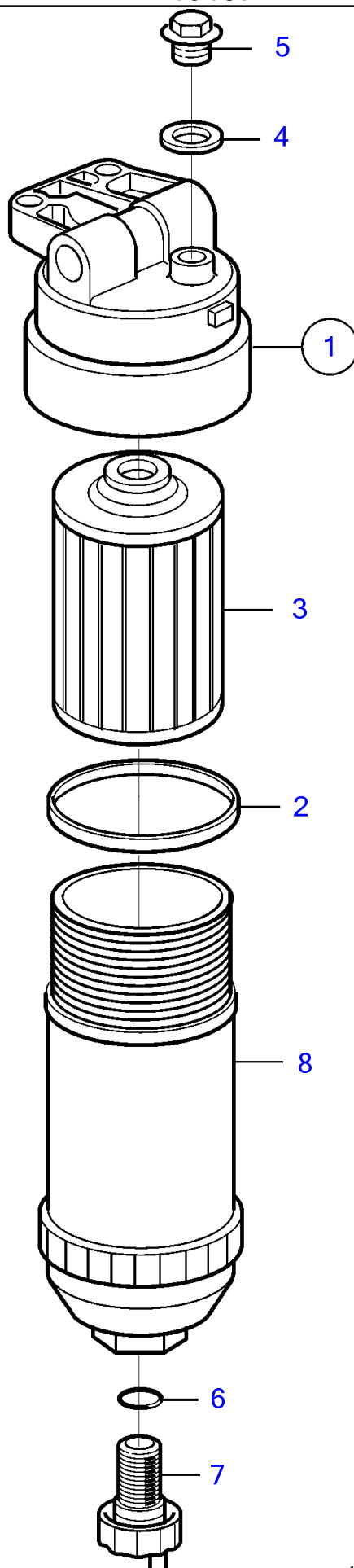


23 Hand Fuel Pump

TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE

Ref	Part No.	Qty	Description
1	20450901	1	Feed pump
2		1	• Valve housing
3	947622	1	• Gasket
4	20412750	1	• Hand pump
5	947625	2	• Gasket
6		2	• Nipple
7	957181	1	Gasket
8	20460040	1	Hose connection
9	20460041	1	Tube
10	20450905	1	Connector

19187

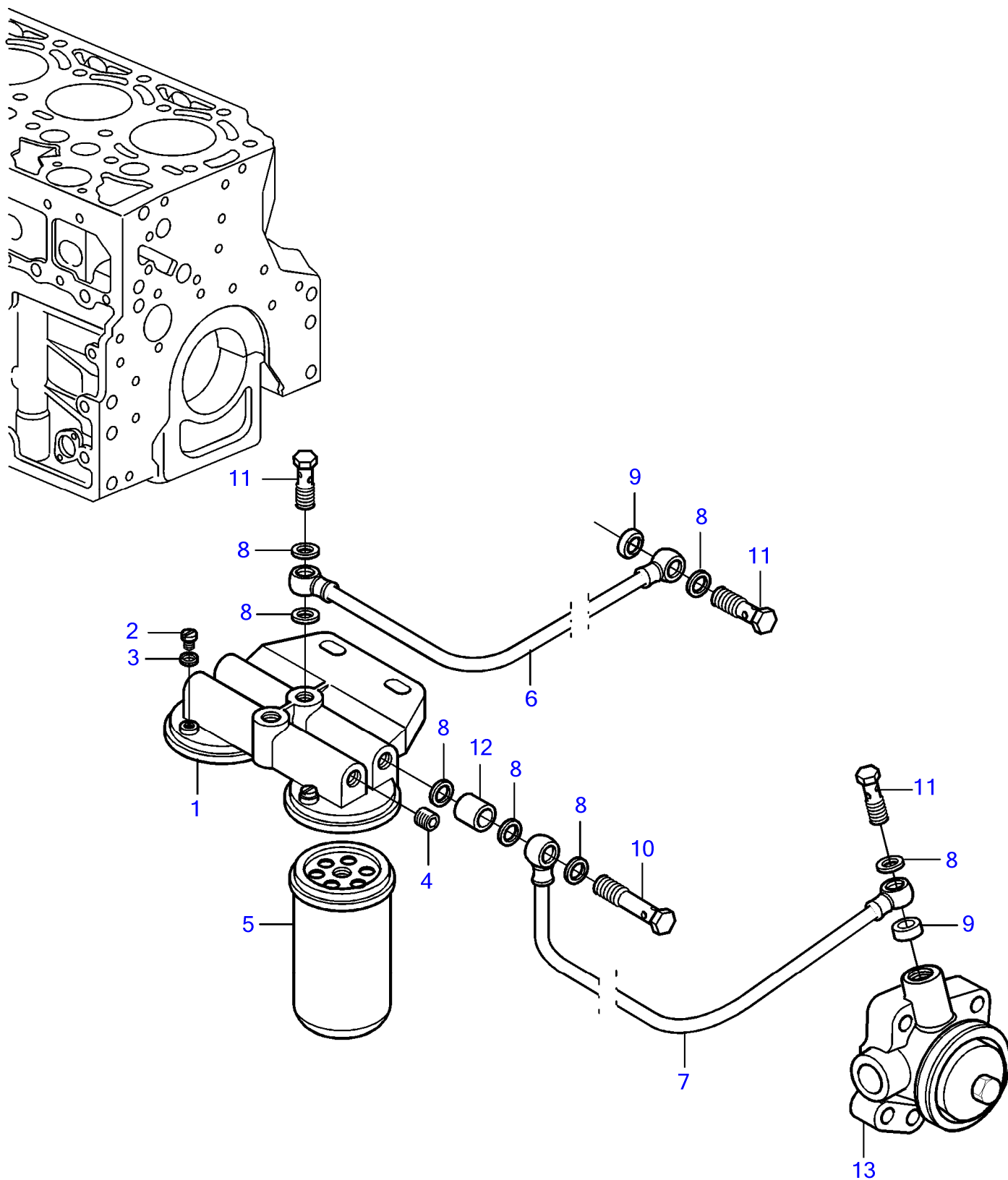


19187

23 Fuel Filter and Water Separator

TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE

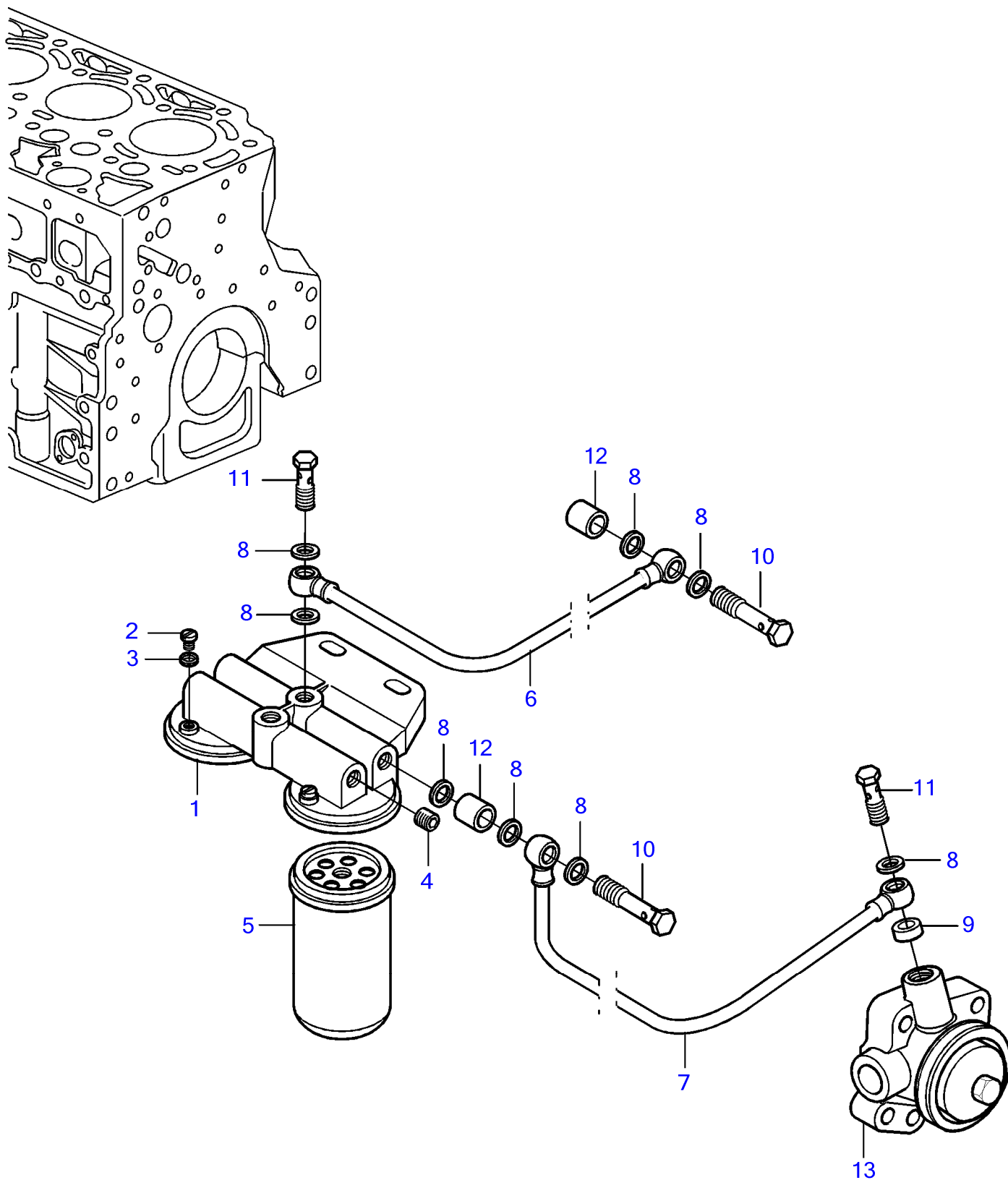
Ref	Part No.	Qty	Description
1	20549342	1	Fuel filter
2	20547205	1	• Sealing ring
3	20549350	1	• Filter insert
4	21108673	1	• Sealing ring
5	20405716	1	• Plug
6	20549341	1	• Sealing ring
7	20460042	1	• Drain valve
8	20523099	1	• Fuel filter housing



24692

23 Remote Twin Fuelfilter
TAD531GE, TAD532GE, TAD730GE, TAD731GE

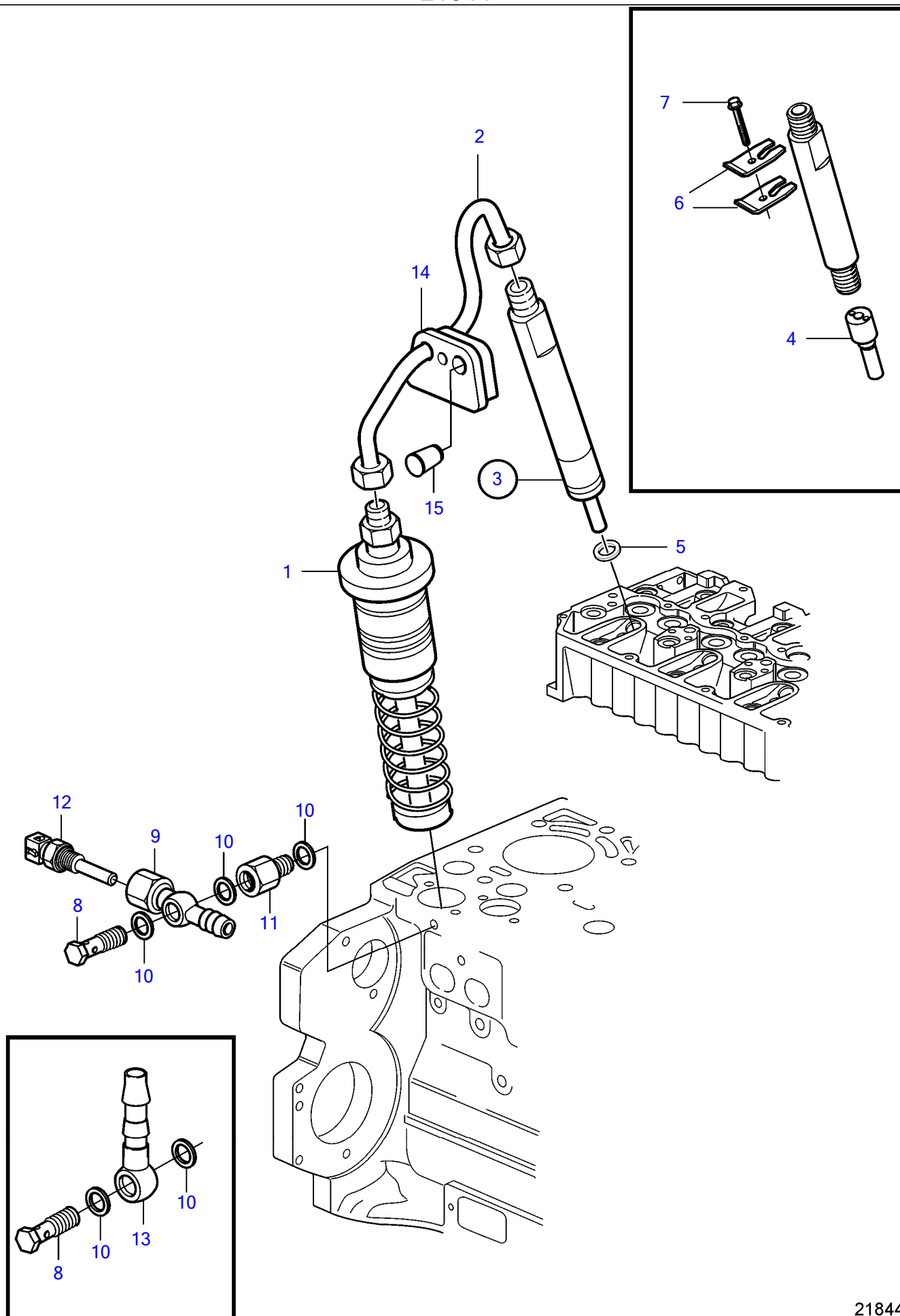
Ref	Part No.	Qty	Description	Notes
1	20801706	1	Fuel filter housing	
2	20854240	2	• Screw	
3	993676	2	• Gasket	
4	20801702	1	• Plug	
5	11711074	1	Fuel filter	
6	20450662	1	Fuel pipe	L=630mm
	20555330	1	Fuel pipe	L=430mm
7	20450663	1	Hose assembly	L=730mm
	20546788	1	Fuel pipe	L=800mm
8	969011	7	Gasket	
9	20405769	2	Sealing ring	
10	20450664	1	Hollow screw	
11	20405562	3	Hollow screw	
12	993813	1	Spacer sleeve	
13		1	Fuel pump	



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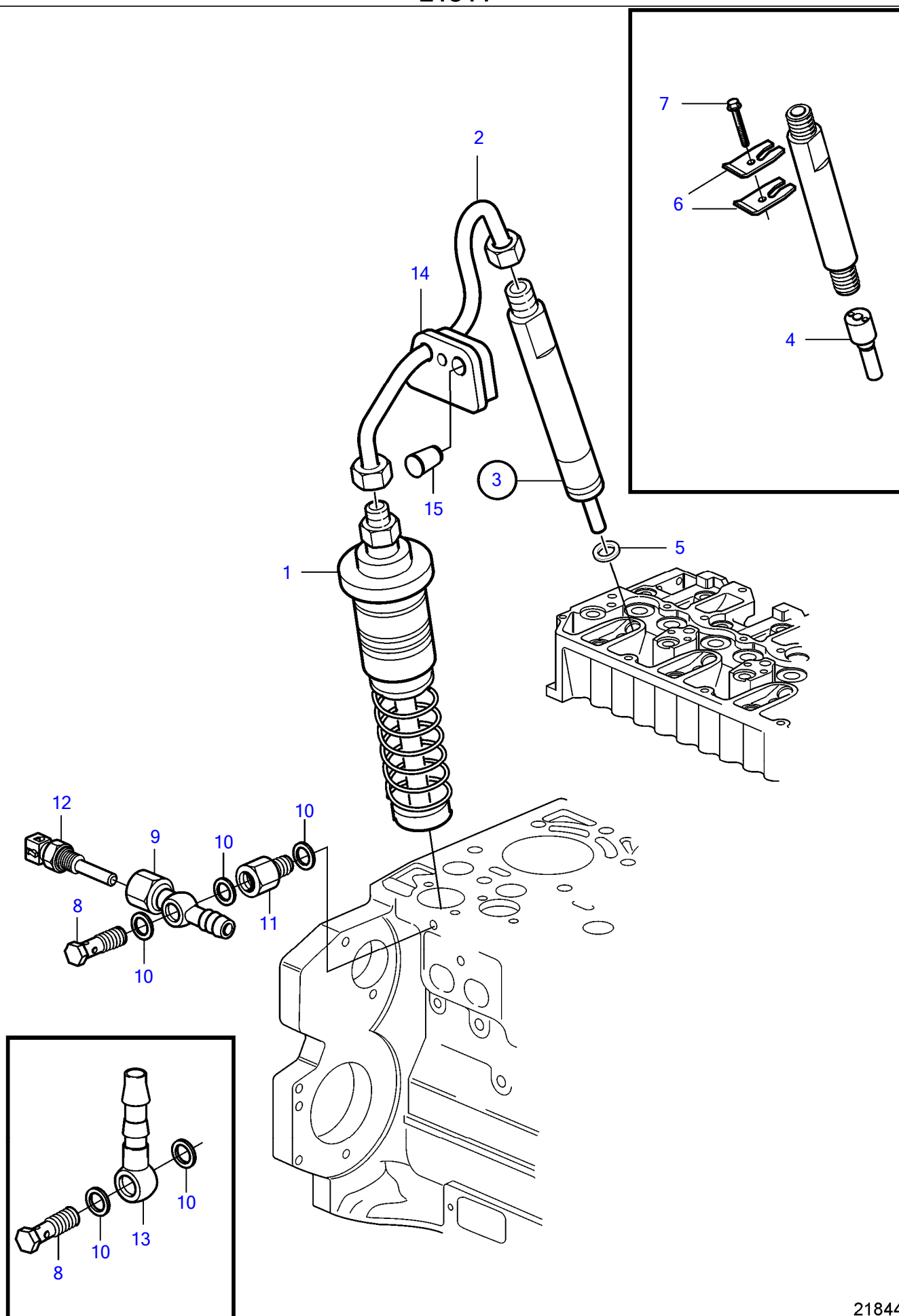
23 Remote Twin Fuelfilter
TAD732GE, TAD733GE

Ref	Part No.	Qty	Description	Notes
1	20801706	1	Fuel filter housing	
2	20854240	2	• Screw	
3	993676	2	• Gasket	
4	20801702	1	• Plug	
5	11711074	1	Fuel filter	
6	20450662	1	Fuel pipe	L=630mm
	20555330	1	Fuel pipe	L=430mm
7	20450663	1	Hose assembly	L=730mm
	20546788	1	Fuel pipe	L=800mm
8	969011	8	Gasket	
9	20405769	1	Sealing ring	
10	20450664	2	Hollow screw	
11	20405562	2	Hollow screw	
12	993813	1	Spacer sleeve	
13		1	Fuel pump	



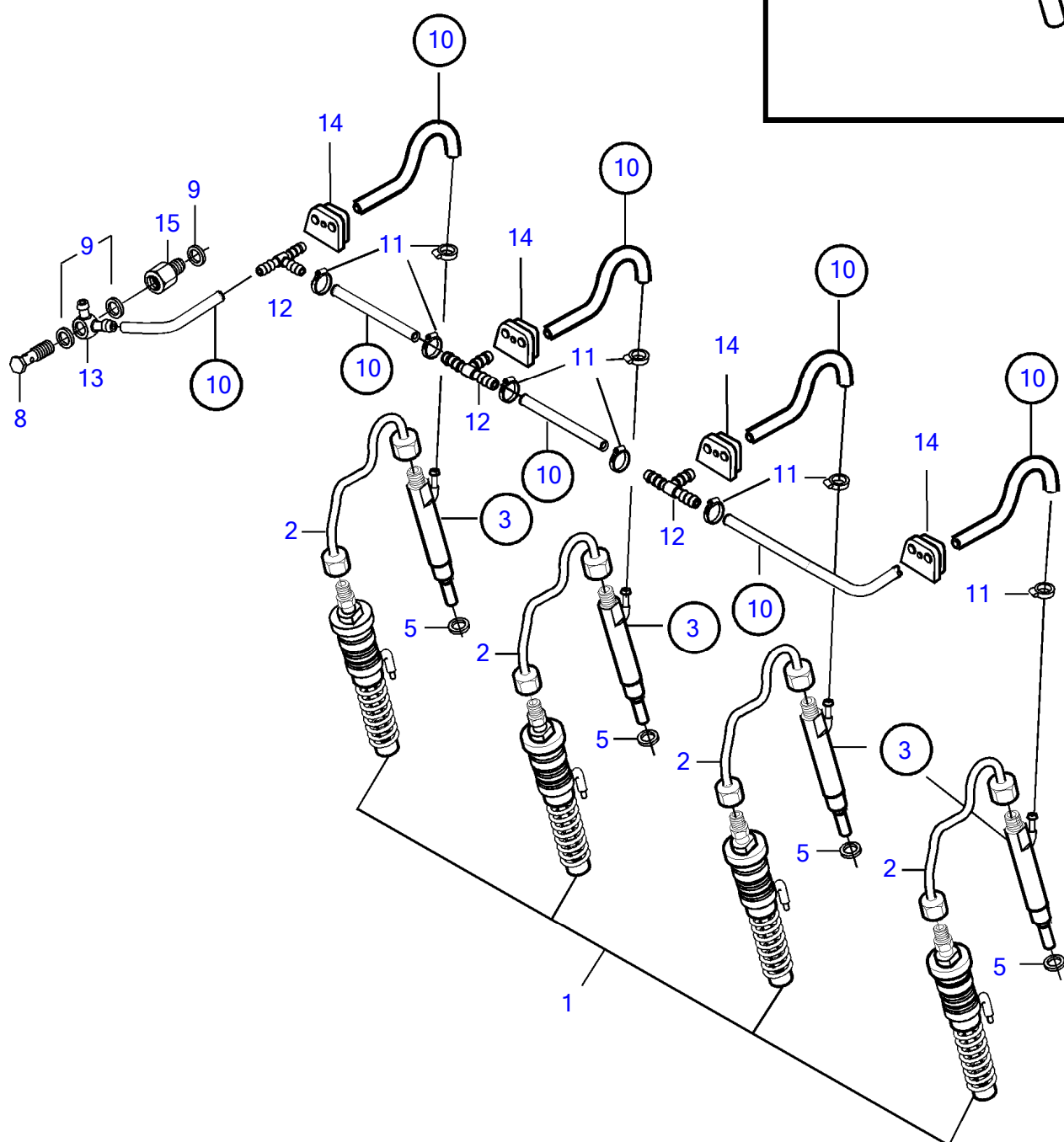
23 Fuel Injector and Delivery Pipes
TAD530GE, TAD531GE, TAD532GE

Ref	Part No.	Qty	Description	Notes
1	20500360	4	Injection pump	Stage 2
	3803967	4	Injection pump, exch	Stage 2
2	20405567	4	Pipe	
3	20502189	4	Injector	
	3803948	4	Injector, exch	
	3803948	4	Injector	
4	20524235	4	• Nozzle	
5	11700426	4	Gasket	
6	11700424	8	Bracket	
7	20405559	4	Six point screw	
8	20405847	1	Valve	
9	20581916	1	Nipple	For engines with EDC unit.
10	969011	3	Gasket	
11	20450673	1	Spacer	For engines with EDC unit.
12	20513340	1	Sensor, fuel	For engines with EDC unit.
13	20459906	1	Banjo nipple	
14	20405886	4	Seal	
15	20515652	4	Plug	



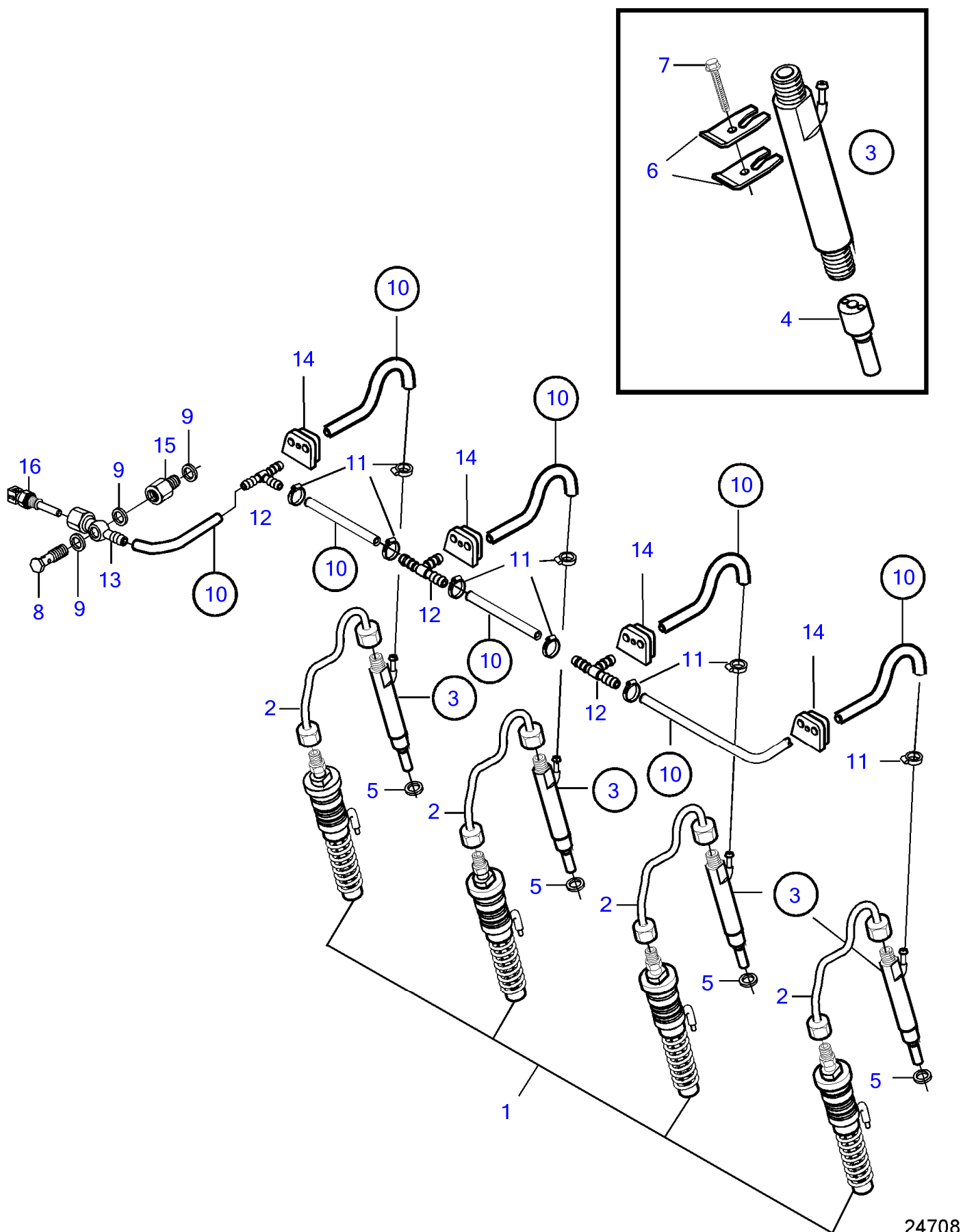
23 Fuel Injector and Delivery Pipes
TAD730GE, TAD731GE, TAD732GE, TAD733GE

Ref	Part No.	Qty	Description	Notes
1	20500360	6	Injection pump	Stage 1, Without Hydraulic Tappet
	3803967	6	Injection pump, exch	Stage 1, Without Hydraulic Tappet
	20550001	6	Injection pump	Stage 2, With Hydraulic Tappet
	3803987	6	Injection pump, exch	Stage 2, With Hydraulic Tappet
2	20405567	6	Pipe	
3	20502189	6	Injector	
	3803948	6	Injector, exch	
	3803948	6	Injector	
4	20524235	6	• Nozzle	
5	11700426	6	Gasket	
6	11700424	12	Bracket	
7	20405559	6	Six point screw	
8	20405847	1	Valve	
9	20581916	1	Nipple	For engines with EDC unit.
10	969011	3	Gasket	
11	20450673	1	Spacer	For engines with EDC unit.
12	20513340	1	Sensor, fuel	For engines with EDC unit.
13	20459906	1	Banjo nipple	
14	20405886	6	Seal	
15	20515652	6	Plug	



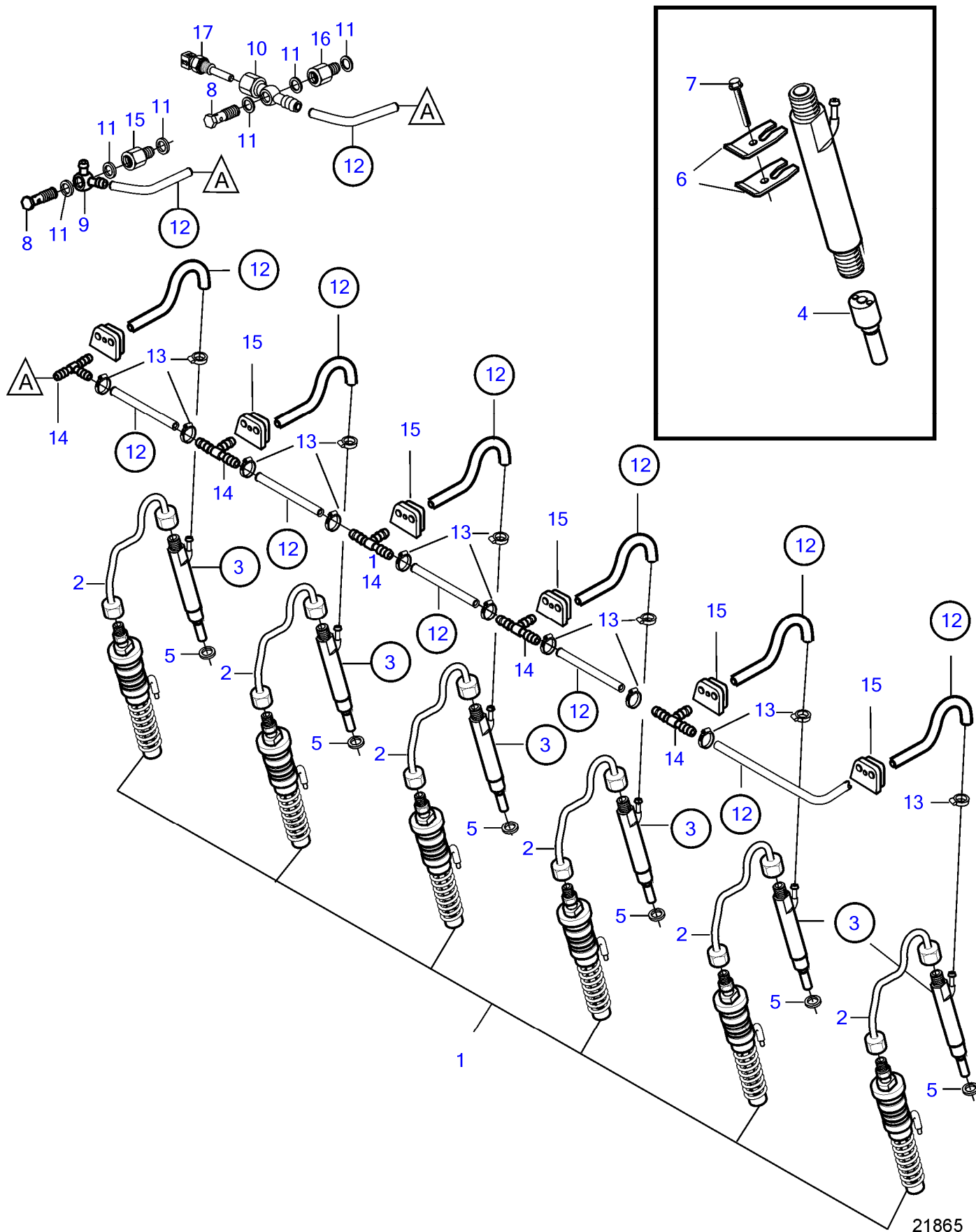
**23 Fuel Injector and Delivery Pipes. Stage 1, Tier 1: For Engine without EDC
TD520GE**

Ref	Part No.	Qty	Description	Notes
1	11700423	4	Injection pump	
	3803515	4	Injection pump, exch	
	3803515		Injection pump	
			.	
			.	
2	20405567	4	Pipe	
3	20550303	4	Injector	
	3803953	4	Injector, exch	
	3803953	4	Injector	
4	20508553	4	• Nozzle	
5	11700426	4	Gasket	
6	11700424	8	Bracket	
7	20405559	4	Six point screw	
8	20405847	1	Valve	
9	969011	2	Gasket	
10	20581875	1	Pipe	For engines without EDC unit., Replaced by 20787006
	20787006	1	Pipe	For engines without EDC unit.
11	20450674	9	• Hose clamp	
12	20775904	3	• Fitting	
13	20459906	1	• Banjo nipple	For engines without EDC unit.
14	20405886	4	Seal	
15	20450673	1	Spacer	



**23 Fuel Injector and Delivery Pipes. Stage 1, Tier 1: For Engine with EDC
TD520GE**

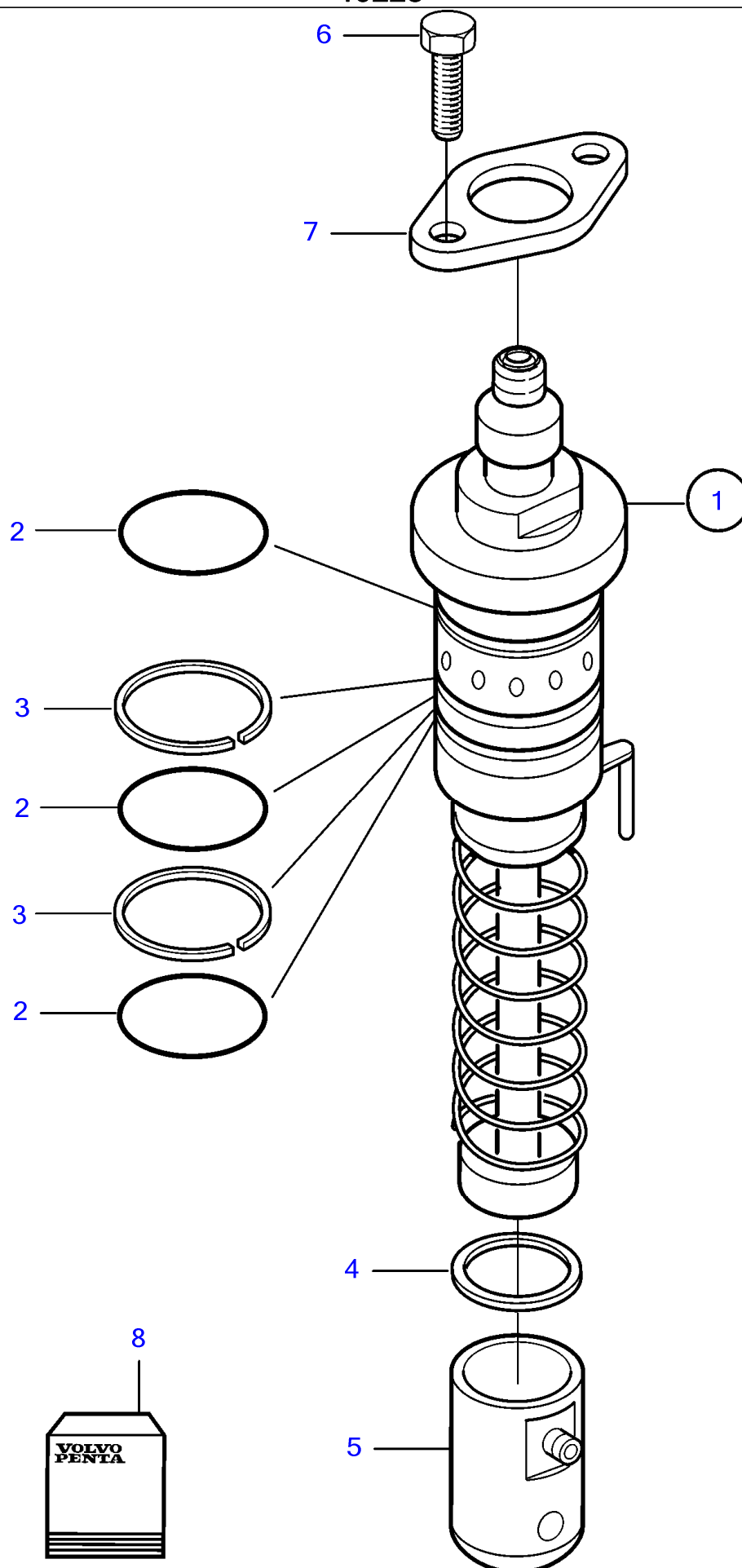
Ref	Part No.	Qty	Description	Notes
1	11700423	4	Injection pump	
	3803515	4	Injection pump, exch	
	3803515		Injection pump	
			.	
			.	
2	20405567	4	Pipe	
3	20550303	4	Injector	
	3803953	4	Injector, exch	
	3803953	4	Injector	
4	20508553	4	• Nozzle	
5	11700426	4	Gasket	
6	11700424	8	Bracket	
7	20405559	4	Six point screw	
8	20405847	1	Valve	
9	969011	2	Gasket	
10	20581902	1	Tube, return	For engines with EDC unit.
11	20450674	9	• Hose clamp	
12	20775904	3	• Fitting	
13	20581916	1	• Nipple	For engines with EDC unit.
14	20405886	4	Seal	
15	20450673	1	Spacer	
16	20513340	1	Sensor	For engines with EDC unit.



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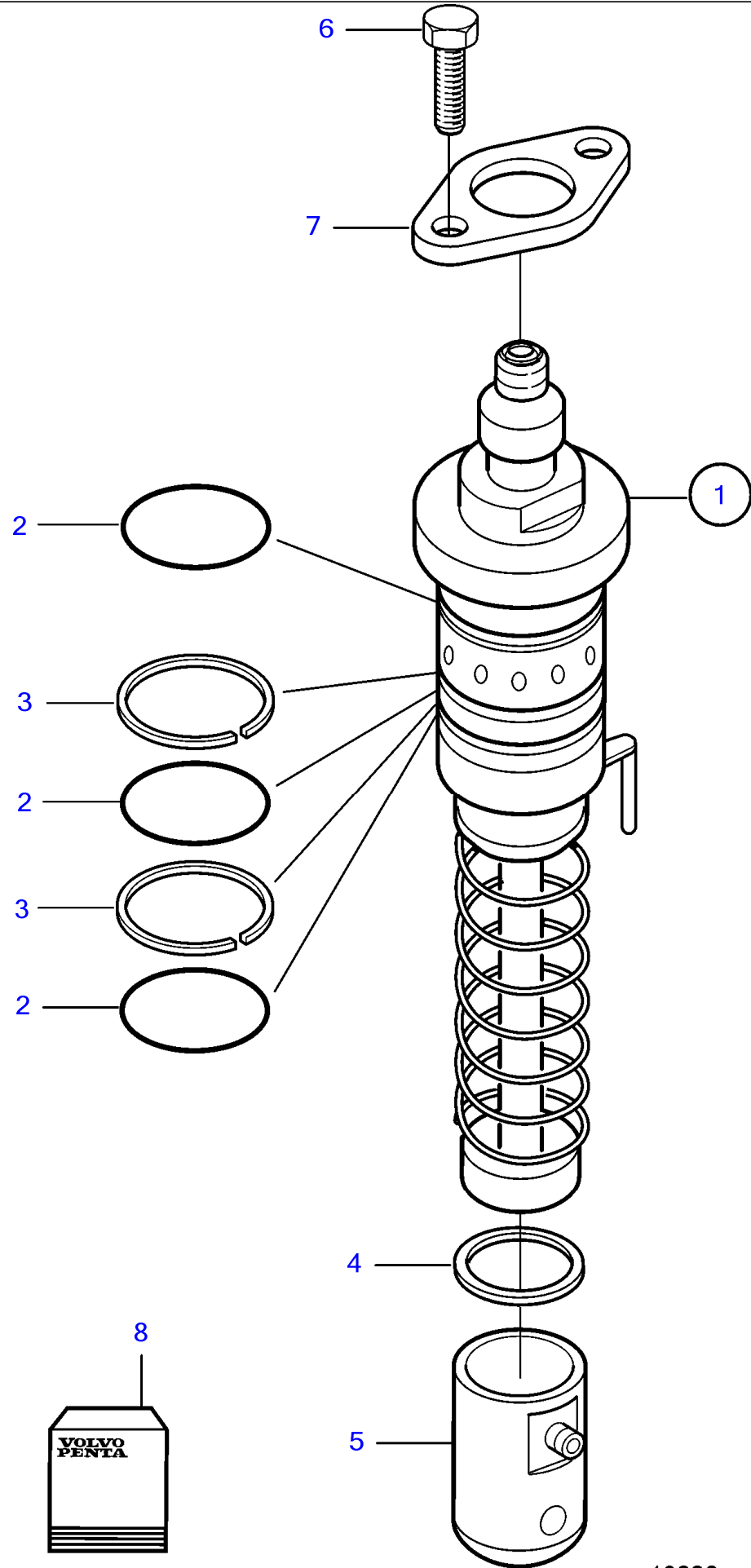
**23 Fuel Injector and Delivery Pipes. Stage 1, Tier 1: EDC
TD720GE**

Ref	Part No.	Qty	Description	Notes
1	11700423	6	Injection pump	
	3803515	6	Injection pump, exch	
	3803515	6	Injection pump	
			*	
2	20405567	6	Pipe	
3	20550303	6	Injector	For engines with EDC unit.
	3803953	6	Injector, exch	For engines with EDC unit.
	3803953	6	Injector	For engines with EDC unit.
	20543483	6	Injector	For engines without EDC unit.
	3803968	6	Injector, exch	For engines without EDC unit.
	3803968	6	Injector	For engines without EDC unit.
4	20508553	6	* Nozzle	
5	11700426	6	Gasket	
6	11700424	12	Bracket	
7	20405559	6	Six point screw	
8	20405847	1	Valve	
9	20459906	1	Banjo nipple	For engines without EDC unit.
10	20581916	1	Nipple	For engines with EDC unit.
11	969011	2	Gasket	
12	20738115	X	Return hose	For engines without EDC unit.
	20581280	1	Pipe	For engines with EDC unit., Replaced by 21098423
	21098423	1	Pipe	For engines with EDC unit.
13	20450674	15	* Hose clamp	
14	20775904	5	Fitting	
15	20405886	6	Seal	
16	20450673	1	Spacer	
17	20513340	1	Sensor	For engines with EDC unit.



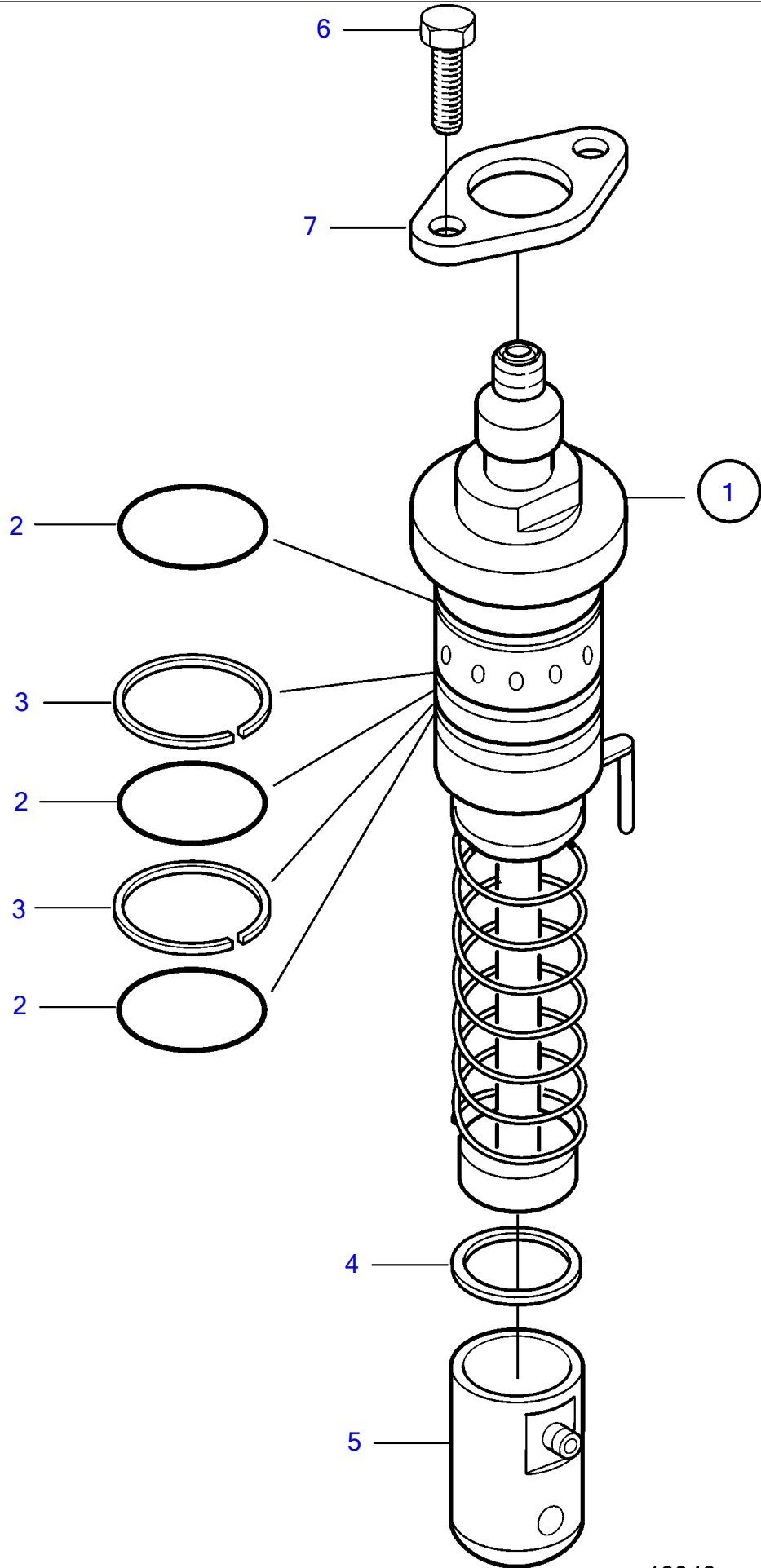
**23 Fuel Injection Pump. Stage 1: A
TD520GE**

Ref	Part No.	Qty	Description	Notes
1	11700423	4	Injection pump	Stage 1
	3803515	4	Injection pump, exch	Stage 1
	3803515	4	Injection pump	
2	20405907	12	• Sealing ring	
3	20405543	8	• Shim	
4	20881345	X	Shim	TH=1,0mm
	20881359	X	Shim	TH=1,1mm
	20881364	X	Shim	TH=1,2mm
	20881368	X	Shim	TH=1,3mm
	20881372	X	Shim	TH=1,4mm
	20881376	X	Shim	TH=1,5mm
	20881379	X	Shim	TH=1,6mm
	20881381	X	Shim	TH=1,7mm
	20881386	X	Shim	TH=1,8mm
	20881388	X	Shim	TH=1,9mm
	20881390	X	Shim	TH=2,0mm
	20881393	X	Shim	TH=2,1mm
	20881395	X	Shim	TH=2,2mm
	20881396	X	Shim	TH=2,3mm
	20881400	X	Shim	TH=2,4mm
	20881405	X	Shim	TH=2,5mm
	20881406	X	Shim	TH=2,6mm
	20881408	X	Shim	TH=2,7mm
	20881411	X	Shim	TH=2,8mm
	20881413	X	Shim	TH=2,9mm
	20881415	X	Shim	TH=3,0mm
	20881419	X	Shim	TH=3,1mm
	20881420	X	Shim	TH=3,2mm
	20881424	X	Shim	TH=3,3mm
	20881435	X	Shim	TH=3,4mm
	20881441	X	Shim	TH=3,5mm
	20881451	X	Shim	TH=3,6mm
	20881454	X	Shim	TH=3,7mm
5	11700392	4	Tappet	
6	20460071	8	Flange screw	
7	20405565	4	Flange	
8	(20405563)	1	Sealing compound	Obsolete part



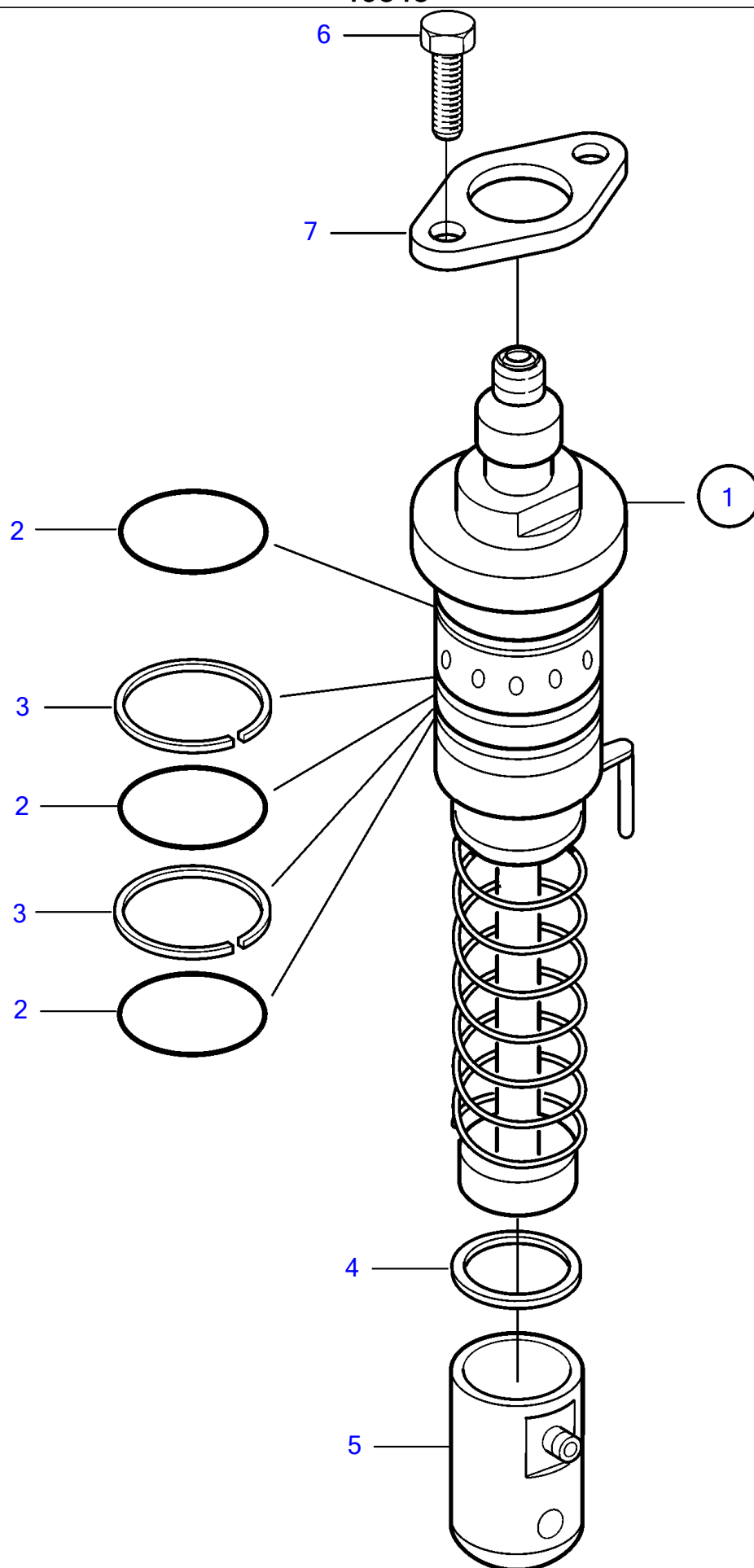
**23 Fuel Injection Pump. Stage 1: B
TD720GE**

Ref	Part No.	Qty	Description	Notes
1	11700423	6	Injection pump	Stage 1
	3803515	6	Injection pump, exch	Stage 1
	3803515	6	Injection pump	
2	20405907	18	• Sealing ring	
3	20405543	12	• Shim	
4	20881345	X	Shim	TH=1,0mm
	20881359	X	Shim	TH=1,1mm
	20881364	X	Shim	TH=1,2mm
	20881368	X	Shim	TH=1,3mm
	20881372	X	Shim	TH=1,4mm
	20881376	X	Shim	TH=1,5mm
	20881379	X	Shim	TH=1,6mm
	20881381	X	Shim	TH=1,7mm
	20881386	X	Shim	TH=1,8mm
	20881388	X	Shim	TH=1,9mm
	20881390	X	Shim	TH=2,0mm
	20881393	X	Shim	TH=2,1mm
	20881395	X	Shim	TH=2,2mm
	20881396	X	Shim	TH=2,3mm
	20881400	X	Shim	TH=2,4mm
	20881405	X	Shim	TH=2,5mm
	20881406	X	Shim	TH=2,6mm
	20881408	X	Shim	TH=2,7mm
	20881411	X	Shim	TH=2,8mm
	20881413	X	Shim	TH=2,9mm
	20881415	X	Shim	TH=3,0mm
	20881419	X	Shim	TH=3,1mm
	20881420	X	Shim	TH=3,2mm
	20881424	X	Shim	TH=3,3mm
	20881435	X	Shim	TH=3,4mm
	20881441	X	Shim	TH=3,5mm
	20881451	X	Shim	TH=3,6mm
	20881454	X	Shim	TH=3,7mm
5	11700392	6	Tappet	
6	20460071	12	Flange screw	
7	20405565	6	Flange	
8	(20405563)	1	Sealing compound	Obsolete part



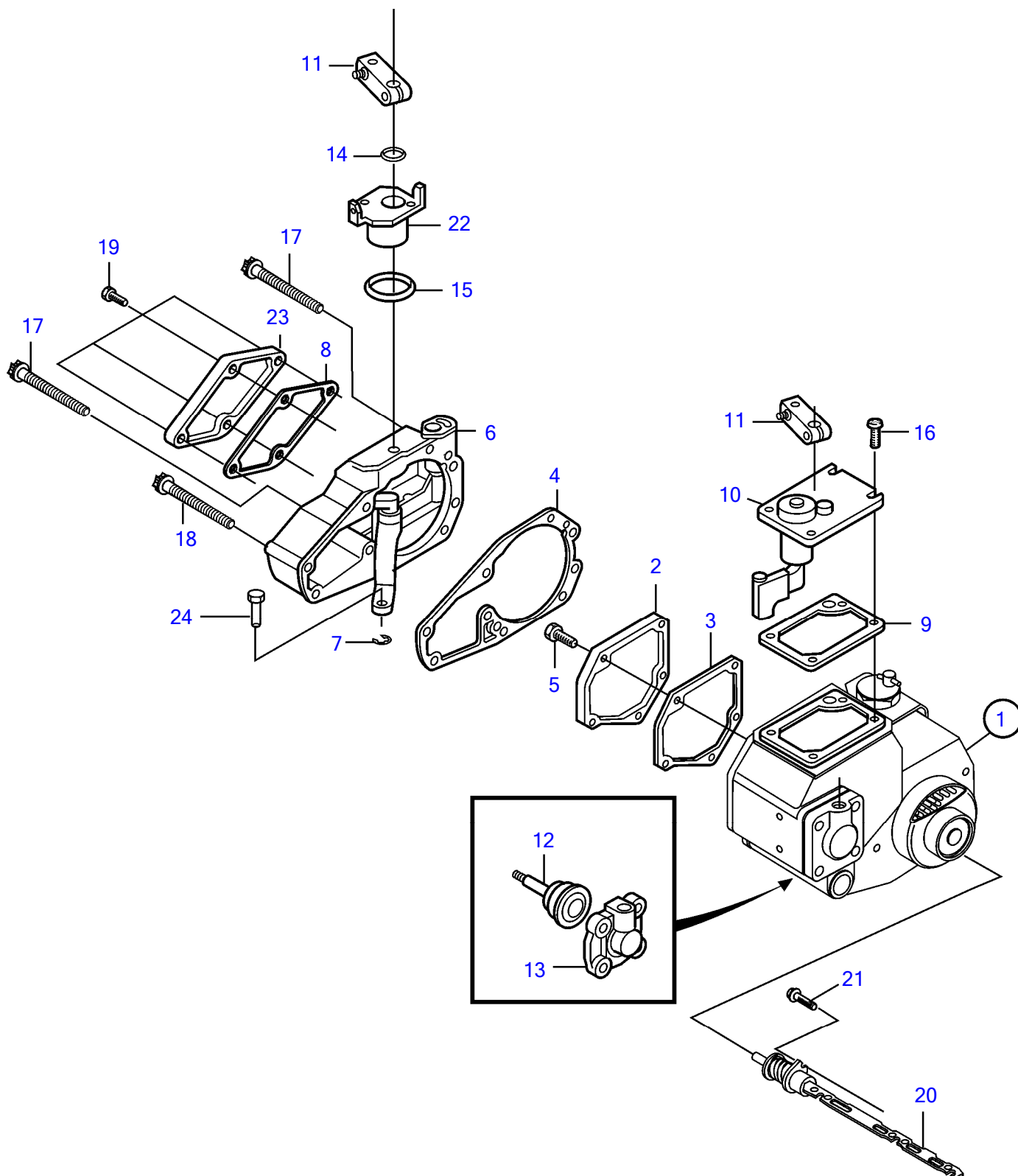
23 Fuel Injection Pump. Stage 2, Tier 2: A
TAD530GE, TAD531GE, TAD532GE

Ref	Part No.	Qty	Description	Notes
1	20500360	4	Injection pump	Without Hydraulic Tappet
	3803967	4	Injection pump, exch	Without Hydraulic Tappet
	3803967	4	Injection pump	Without Hydraulic Tappet
	20550001	4	Injection pump	Without Hydraulic Tappet, Option
	3803987	4	Injection pump, exch	Without Hydraulic Tappet, Option
	3803987	4	Injection pump	Without Hydraulic Tappet, Option
2	20405907	12	• Sealing ring	
3	20405543	8	• Shim	
4	20881345	X	Shim	TH=1,0mm
	20881359	X	Shim	TH=1,1mm
	20881364	X	Shim	TH=1,2mm
	20881368	X	Shim	TH=1,3mm
	20881372	X	Shim	TH=1,4mm
	20881376	X	Shim	TH=1,5mm
	20881379	X	Shim	TH=1,6mm
	20881381	X	Shim	TH=1,7mm
	20881386	X	Shim	TH=1,8mm
	20881388	X	Shim	TH=1,9mm
	20881390	X	Shim	TH=2,0mm
	20881393	X	Shim	TH=2,1mm
	20881395	X	Shim	TH=2,2mm
	20881396	X	Shim	TH=2,3mm
	20881400	X	Shim	TH=2,4mm
	20881405	X	Shim	TH=2,5mm
	20881406	X	Shim	TH=2,6mm
	20881408	X	Shim	TH=2,7mm
	20881411	X	Shim	TH=2,8mm
	20881413	X	Shim	TH=2,9mm
	20881415	X	Shim	TH=3,0mm
	20881419	X	Shim	TH=3,1mm
	20881420	X	Shim	TH=3,2mm
	20881424	X	Shim	TH=3,3mm
	20881435	X	Shim	TH=3,4mm
	20881441	X	Shim	TH=3,5mm
	20881451	X	Shim	TH=3,6mm
	20881454	X	Shim	TH=3,7mm
5	11700392	4	Tappet	
6	20460071	8	Flange screw	
7	20405565	4	Flange	



23 Fuel Injection Pump. Stage 2, Tier 2: B
TAD730GE, TAD731GE, TAD732GE, TAD733GE

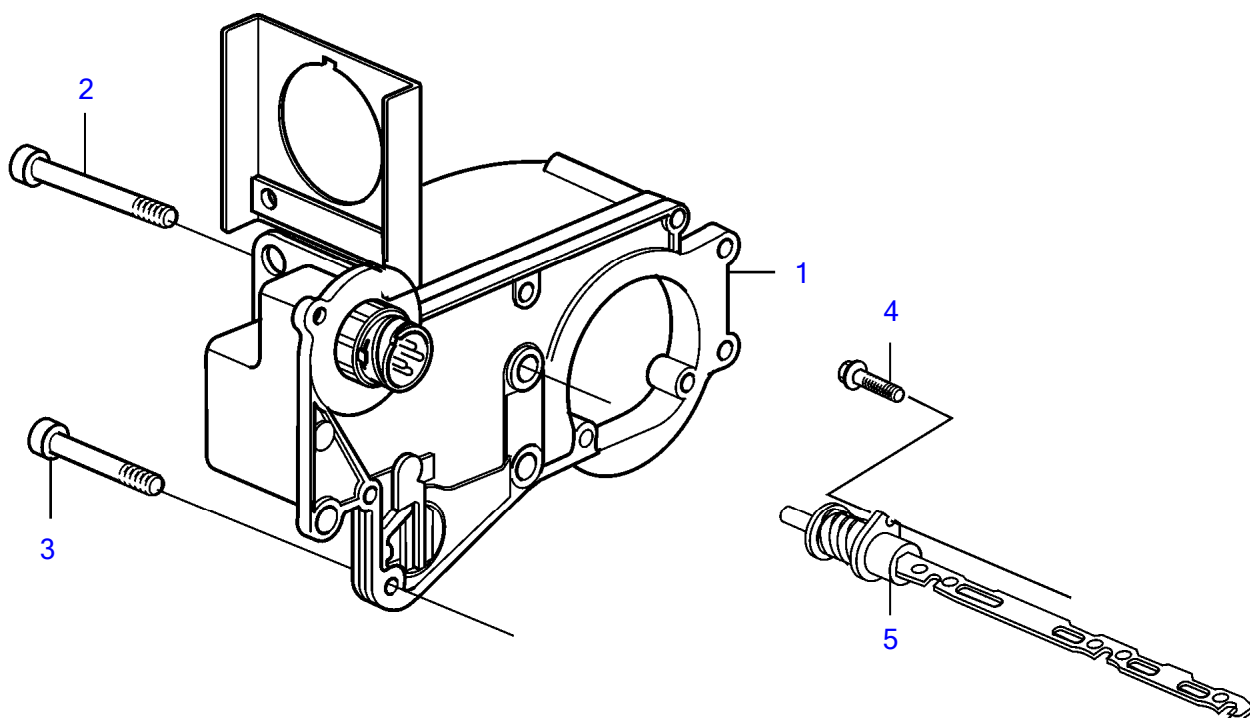
Ref	Part No.	Qty	Description	Notes
1	20500360	6	Injection pump	Without Hydraulic Tappet
	3803967	6	Injection pump, exch	Without Hydraulic Tappet
	3803967	6	Injection pump	Without Hydraulic Tappet
	20550001	6	Injection pump	Without Hydraulic Tappet, Option
	3803987	6	Injection pump, exch	Without Hydraulic Tappet, Option
	3803987	6	Injection pump	Without Hydraulic Tappet, Option
2	20405907	18	• Sealing ring	
3	20405543	12	• Shim	
4	20881345	X	Shim	TH=1,0mm
	20881359	X	Shim	TH=1,1mm
	20881364	X	Shim	TH=1,2mm
	20881368	X	Shim	TH=1,3mm
	20881372	X	Shim	TH=1,4mm
	20881376	X	Shim	TH=1,5mm
	20881379	X	Shim	TH=1,6mm
	20881381	X	Shim	TH=1,7mm
	20881386	X	Shim	TH=1,8mm
	20881388	X	Shim	TH=1,9mm
	20881390	X	Shim	TH=2,0mm
	20881393	X	Shim	TH=2,1mm
	20881395	X	Shim	TH=2,2mm
	20881396	X	Shim	TH=2,3mm
	20881400	X	Shim	TH=2,4mm
	20881405	X	Shim	TH=2,5mm
	20881406	X	Shim	TH=2,6mm
	20881408	X	Shim	TH=2,7mm
	20881411	X	Shim	TH=2,8mm
	20881413	X	Shim	TH=2,9mm
	20881415	X	Shim	TH=3,0mm
	20881419	X	Shim	TH=3,1mm
	20881420	X	Shim	TH=3,2mm
	20881424	X	Shim	TH=3,3mm
	20881435	X	Shim	TH=3,4mm
	20881441	X	Shim	TH=3,5mm
	20881451	X	Shim	TH=3,6mm
	20881454	X	Shim	TH=3,7mm
5	11700392	6	Tappet	
6	20460071	12	Flange screw	
7	20405565	6	Flange	



23 Governor

TD520GE, TAD530GE, TAD531GE, TD720GE, TAD730GE, TAD731GE

Ref	Part No.	Qty	Description	Notes
1	20590563	1	Governor, 1500rpm	When ordering a regulator as a spare part always state engine types, serialnumber,
	20590571	1	Governor, 1800rpm	When ordering a regulator as a spare part always state engine types, serialnumber,
2		1	• Hood	
3	20405508	1	• Gasket	
4	20551783	1	• Gasket	
5	20460082	1	• Six point socket scr	L=16mm
6		1	• Housing	
7		1	• Washer	
8	20405509	1	• Gasket	
9	20405507	1	• Gasket	
10	20412752	1	• Cover	
11	3588182	2	• • Lever extension	
12		1	• Piston	
13		1	• Cover	
14		1	• Ring	
15		1	• Ring	
16	20460082	4	Six point socket scr	
17	20460064	4	Six point screw	
18	888760	1	Six point screw	
19	20460066	4	Screw	
20	20405867	1	Control rod	TD520GE, TAD520GE, TAD530GE, TAD531GE
	20405868	1	Control rod	TD720GE, TAD720GE, TAD730GE, TAD731GE
21	984734	1	Flange screw	Prepared with locking fluid., L=20mm
22			Stop device	
23			Lock	
24			Pin	

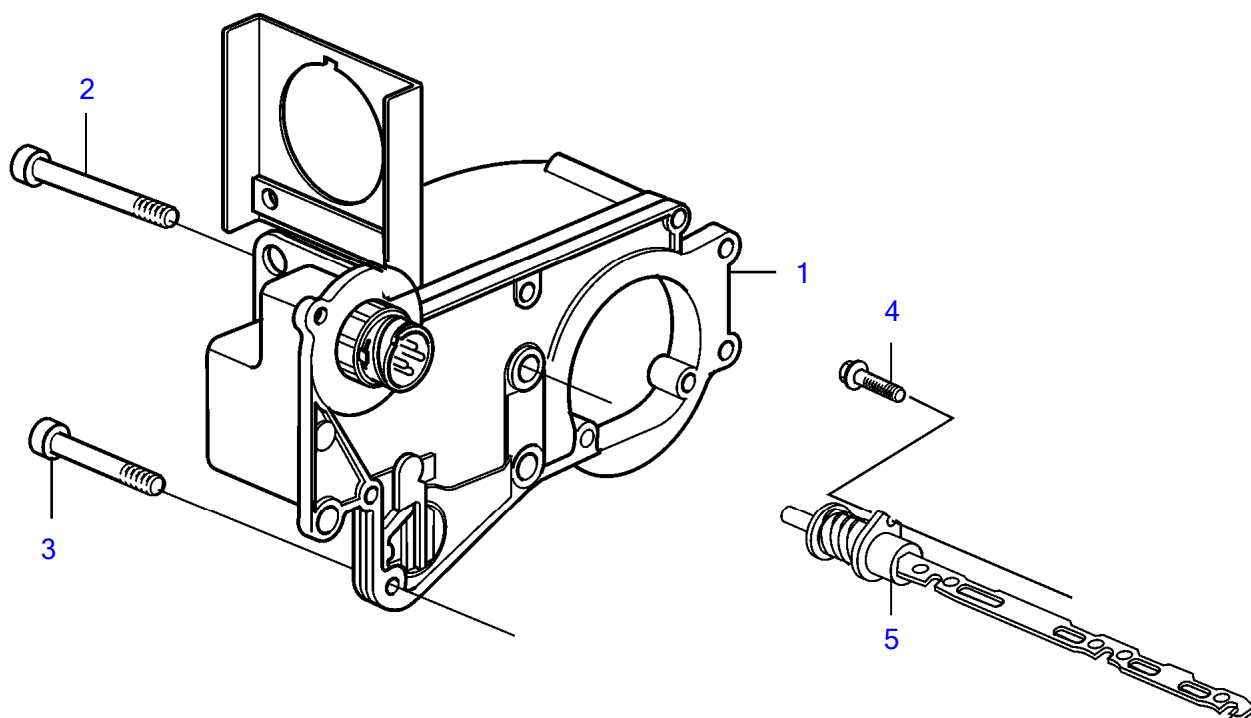


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23 Actuator

TAD530GE, TAD531GE, TAD532GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE

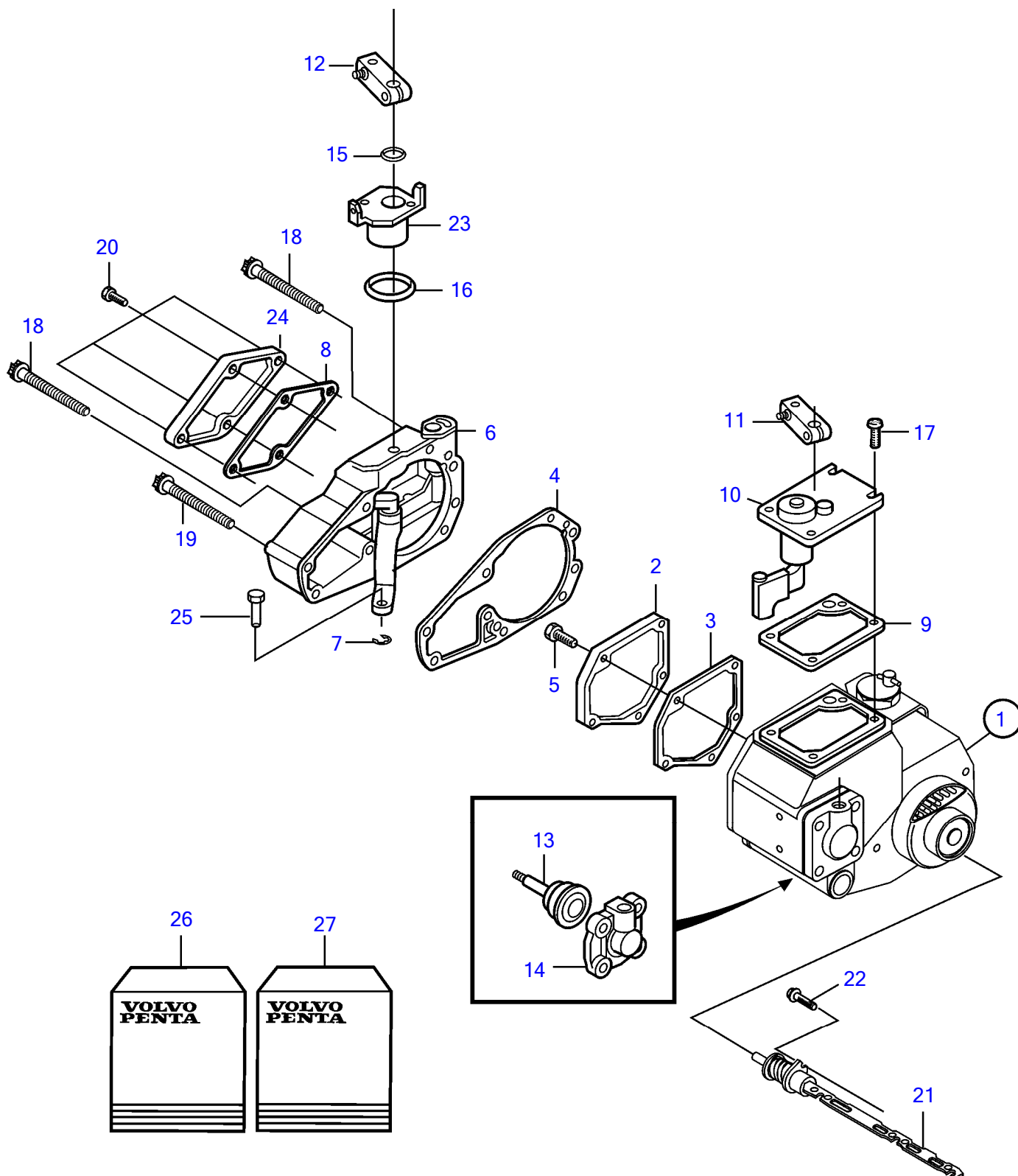
Ref	Part No.	Qty	Description	Notes
1	20881577	1	Actuator	For engines with EDC unit., (20482330), Replaced by 21124198
	21124198	1	Actuator	
2	20554913	2	Hex. socket screw	Prepared with locking fluid. TAD530GE, TAD531GE, TAD532GE TAD730GE, TAD731GE, TAD732GE, TAD733GE
3	20459903	3	Hex. socket screw	
4	984734	1	Flange screw	
5	20405867	1	Control rod	
	20405868	1	Control rod	



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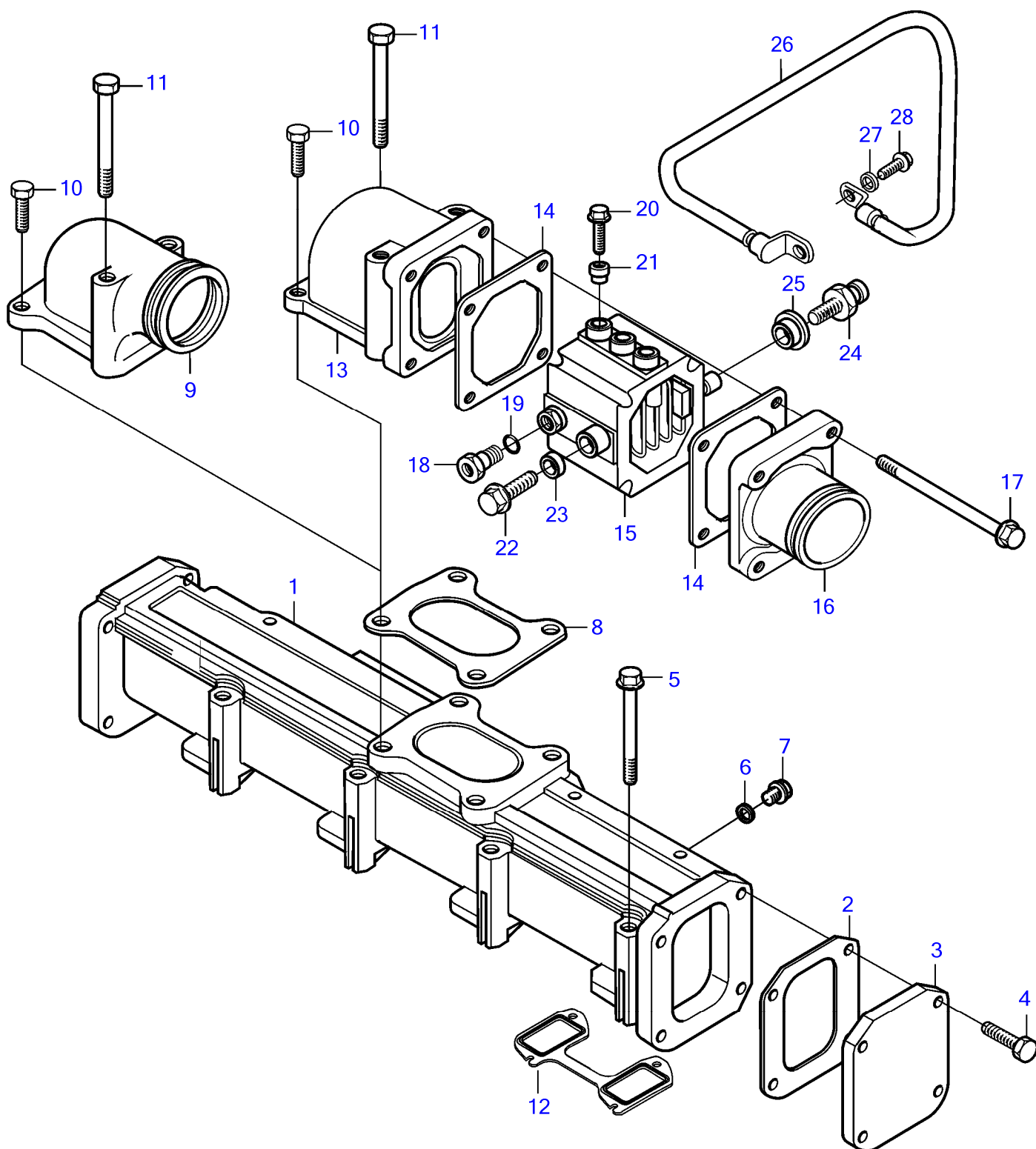
23 Actuator
TD520GE, TD720GE

Ref	Part No.	Qty	Description	Notes
1	20881577	1	Actuator	For engines with EDC unit., (20482330)
2	20554913	2	Hex. socket screw	
3	20459903	3	Hex. socket screw	
4	984734	1	Flange screw	Prepared with locking fluid.
5	20405867	1	Control rod, (D5)	
	20405868	1	Control rod, (D7)	



**23 Governor for GAC Kit
TD520GE, TD720GE**

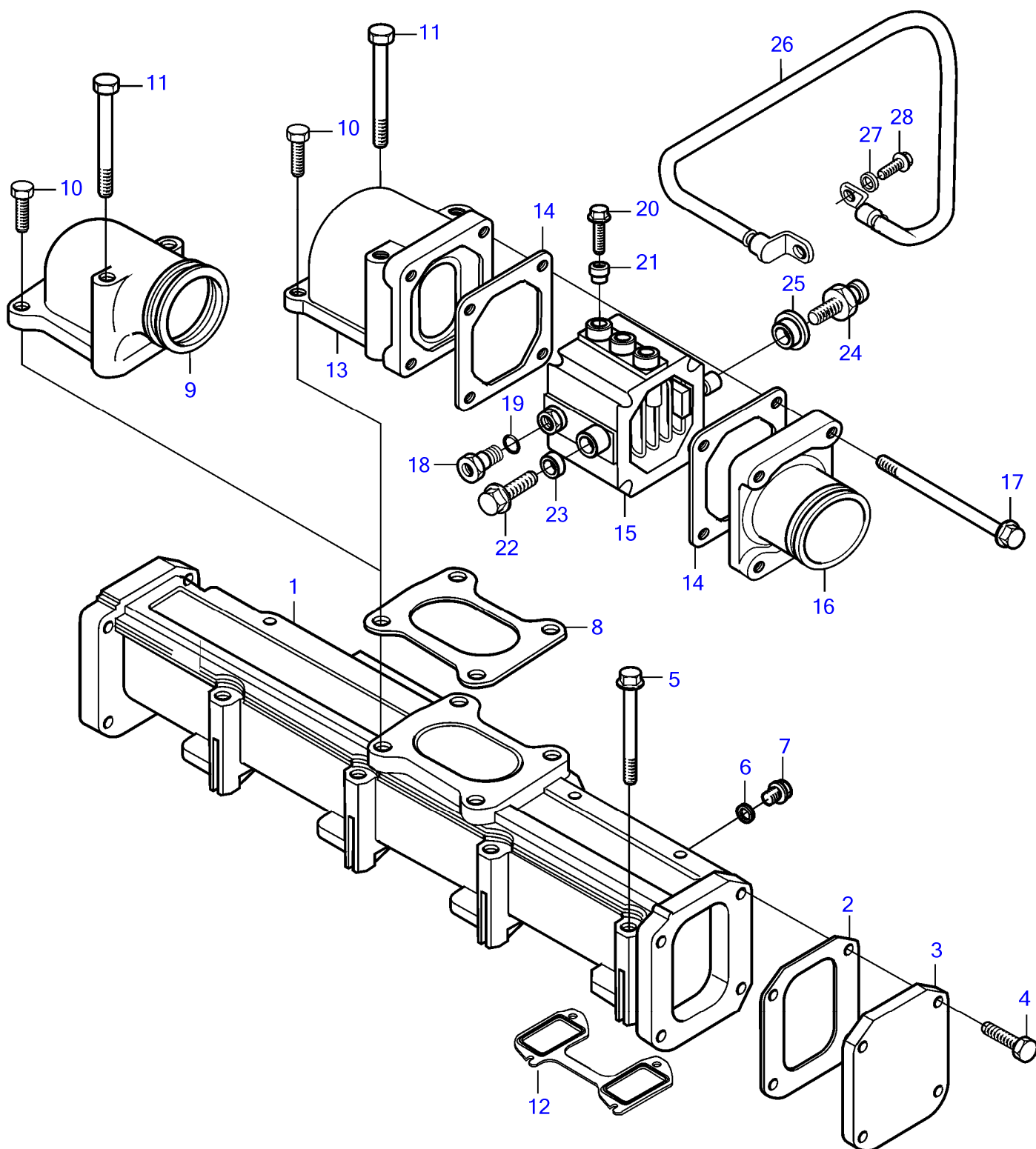
Ref	Part No.	Qty	Description	Notes
1	20700675	1	• Governor, 1500rpm	When ordering a regulator as a spare part always state engine types, serialnumb
	20590556	1	Governor, 1800rpm	When ordering a regulator as a spare part always state engine types, serialnumb
2		1	• Hood	
3	20405508	1	• Gasket	
4	20551783	1	• Gasket	
5	20460082	1	• Six point socket scr	L=16mm
6		1	• Housing	
7		1	• Washer	
8	20405509	1	• Gasket	
9	20405507	1	• Gasket	
10	20704498	1	• Cover	
11	20704500	1	• • Lever	
12		1	• Hand lever	
13		1	• Piston	
14		1	• Cover	
15		1	• Ring	
16		1	• Ring	
17	20460082	4	Six point socket scr	
18	20460064	4	Six point screw	
19	888760	1	Six point screw	
20	20460066	4	Screw	
21	20405867	1	Control rod, TD/TAD520GE	TD520GE, TAD520GE
	20405868	1	Control rod, TD/TAD720GE	TD720GE, TAD720GE
22	984734	1	Flange screw	Prepared with locking fluid., L=20mm
23			Stop device	
24			Lock	
25			Pin	
26	881676	1	Set, GAC 12V	
		1	• Rotation speed limit	ESD 5500E.
		1	• Actuator	Add 225S-12 actuator (12 or 24V).
		1	• Mounting kit	KT-1213 B.
		1	• Cable	CH 1220-L3 cable for add 225S actuator.
		1	• Cable	CH 1208AM-L3 cable for speed sensor.
27	881677	1	Set, GAC 24V	
		1	• Rotation speed limit	ESD 5500E.
		1	• Actuator	Add 225S-12 actuator (12 or 24V).
		1	• Mounting kit	KT-1213 B.
		1	• Cable	CH 1220-L3 cable for add 225S actuator.
		1	• Cable	CH 1208AM-L3 cable for speed sensor.



20524

25 Inlet Manifold
TAD530GE, TAD531GE

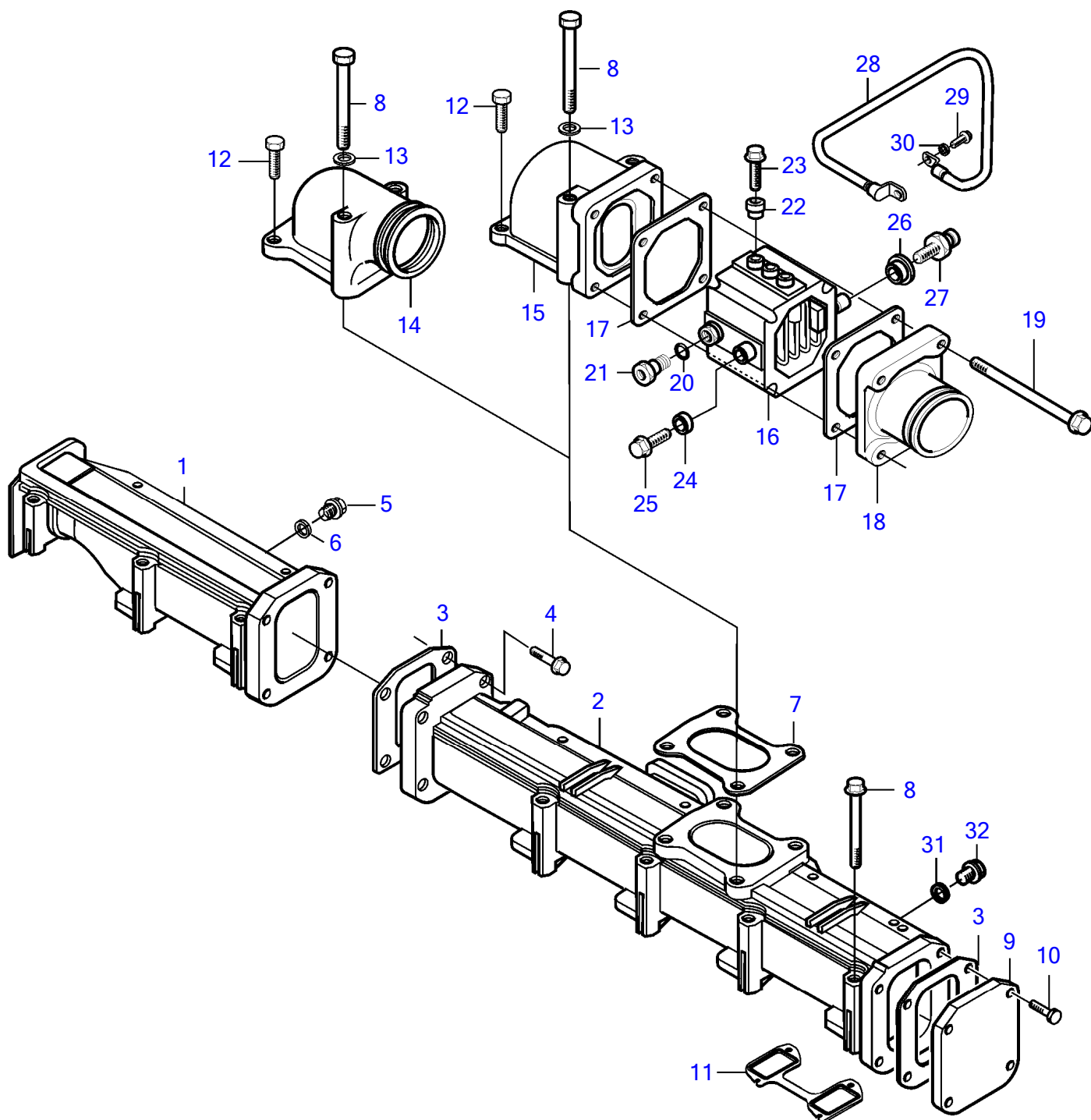
Ref	Part No.	Qty	Description	Notes
1	20724005	1	Charge air pipe	
2	20405613	1	Gasket	
3	20405614	1	Cover	
4	965215	4	Flange screw	
5	20412601	8	Flange screw	
6	969011	1	Gasket	
7	960630	1	Plug	
8	20875134	1	Gasket	
9	20412358	1	Elbow	Stage 1 and Tier 1.
10	20459228	2	Flange screw	
11	20412601	2	Flange screw	
12	20591706	2	Gasket	
13	20592770	4	Elbow	Stage 2 and Tier 2.
14	20531832	1	Gasket	
15	20532254	1	Heater, 12V	
	20572806	1	Air pre-heater, 24V	
16	20555488	1	Hose nipple	
17	20460124	4	Flange screw	
18	20498498	1	Connector, -pole	
19	20498524	1	O-ring	
20	20550356	5	Flange screw	
21	20550336	5	Insulator	
22	984735	2	Flange screw	24V
23	20758437	2	Insulator	24V
24	20726089	1	Connector, +pole	
25	20521558	1	Insulator	
26	20459070	1	Cable	
27	20405898	2	Flange screw	
28	20460127	2	Washer	



20524

**25 Inlet Manifold
TAD532GE**

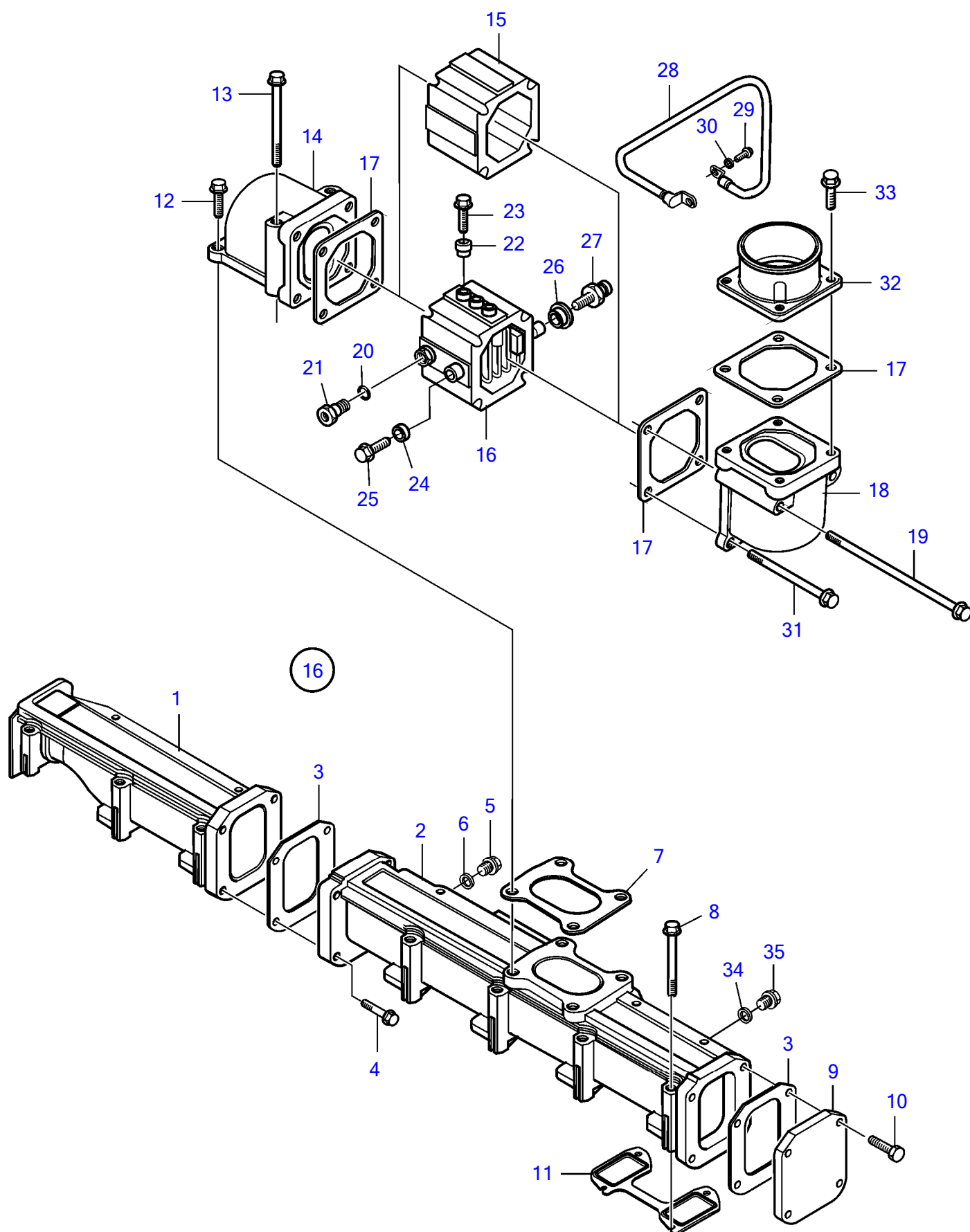
Ref	Part No.	Qty	Description	Notes
1	20724005	1	Charge air pipe	
2	20405613	1	Gasket	
3	20405614	1	Cover	
4	965215	4	Flange screw	
5	20412601	8	Flange screw	
6	969011	1	Gasket	
7	960630	1	Plug	
8	20875134	1	Gasket	
9	20405953	1	Elbow	Stage 1 and Tier 1.
10	20459228	2	Flange screw	
11	20412601	2	Flange screw	
12	20591706	2	Gasket	
13	20592770	4	Elbow	Stage 2 and Tier 2.
14	20531832	1	Gasket	
15	20532254	1	Heater, 12V	
	20758403	1	Heater, 24V	
			.	
16	20912410	1	Hose nipple	
17	20460124	4	Flange screw	
18	20498498	1	Connector, -pole	
19	20498524	1	O-ring	
20	20550356	5	Flange screw	
21	20550336	5	Insulator	
22	984735	2	Flange screw	24V
23	20758437	2	Insulator	24V
24	20726089	1	Connector, +pole	
25	20521558	1	Insulator	
26	20459070	1	Cable	
27	20405898	2	Flange screw	
28	20460127	2	Washer	



21950

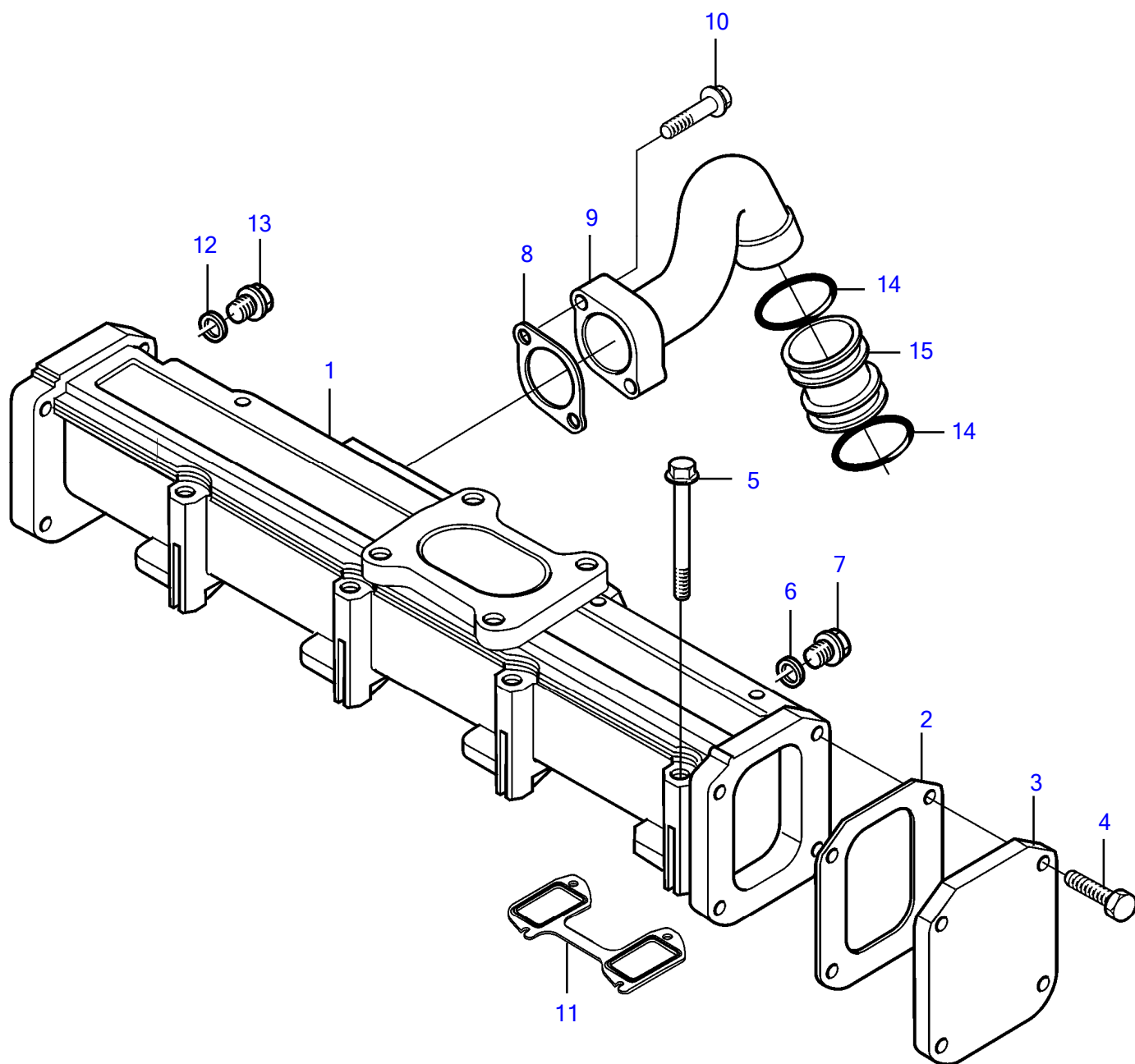
25 Inlet Manifold
TAD730GE, TAD731GE

Ref	Part No.	Qty	Description
1	20723987	1	Charge air pipe
2	20724005	1	Charge air pipe
3	20405613	1	Gasket
4	20412340	4	Flange screw
5	888774	1	Plug
6	947281	1	Gasket
7	20875134	1	Gasket
8	20412601	12	Flange screw
9	20405614	1	Cover
10	965215	4	Flange screw
11	20591706	6	Gasket
12	20459228	2	Flange screw
13	20459074	2	Washer
14	20405953	1	Elbow
15	20592770	1	Elbow
16	20532254	1	Heater, 12V
	20572806	1	Air pre-heater, 24V
			.
17	20531832	2	Gasket
18	20912410	1	Hose nipple
19	20511110	4	Screw
20	20498524	1	O-ring
21	20498498	1	Connector, minus
22	20550336	5	Insulator
23	20550356	5	Flange screw
24	20758437	2	Insulator
25	984735	2	Flange screw
26	20521558	1	Insulator
27	20726089	1	Connector, +pole
28	20459070	1	Cable
29	20405898	7	Flange screw
30	20460127	2	Washer
31	969011	1	Gasket
32	960630	1	Plug



25 Inlet Manifold
TAD732GE, TAD733GE

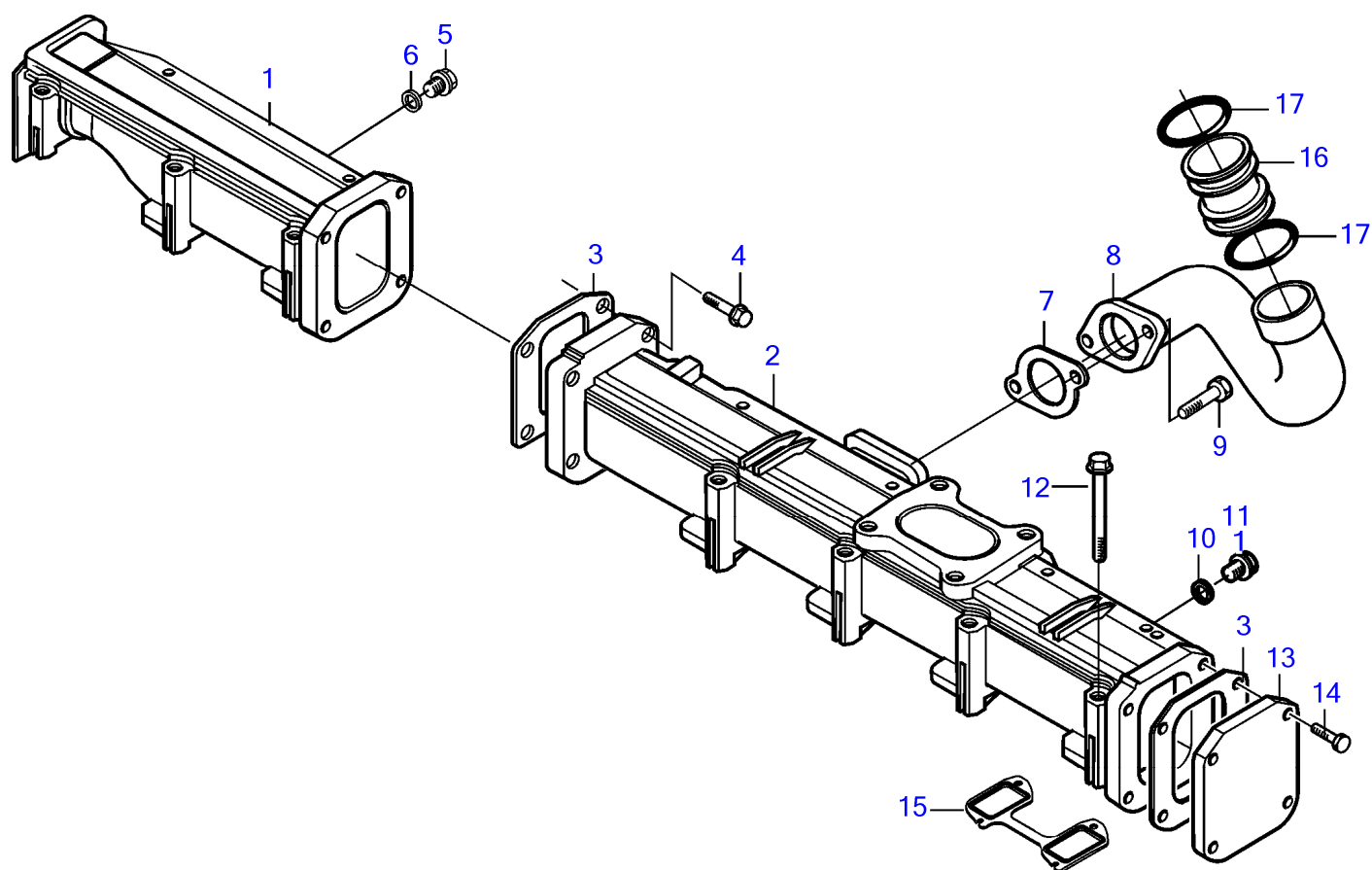
Ref	Part No.	Qty	Description	Notes
1	20723987	1	Charge air pipe	
2	20724005	1	Charge air pipe	
3	20405613	1	Gasket	
4	20412340	4	Flange screw	
5	888774	1	Plug	
6	947281	1	Gasket	
7	20875134	1	Gasket	
8	20412601	12	Flange screw	
9	20405614	1	Cover	
10	20405792	4	Flange screw	
11	20591706	3	Gasket	
12	20459228	2	Flange screw	
13	20412601	2	Flange screw	
14	20592770	1	Elbow	
15	20585825	1	Flange	
16	20532254	1	Heater, 12V	
	20758403	1	Heater, 24V	
			.	
17	20531832	3	Gasket	
18	20459938	1	Elbow	
19	21094794	2	Screw	
20	20498524	1	O-ring	
21	20498498	1	Connector, minus	
22	20550336	5	Insulator	
23	20550356	5	Flange screw	
24	20758437	2	Insulator	24V
25	984735	2	Flange screw	24V
26	20521558	1	Insulator	
27	20726089	1	Connector, +pole	
28	20459070	1	Cable	
29	20405898	7	Flange screw	
30	20460127	2	Washer	
31	984744	2	Flange screw	
32	20912410	1	Hose nipple	
33	984736	4	Flange screw	
34	969011	1	Gasket	
35	960630	1	Plug	



21945

**25 Inlet Manifold
TD520GE**

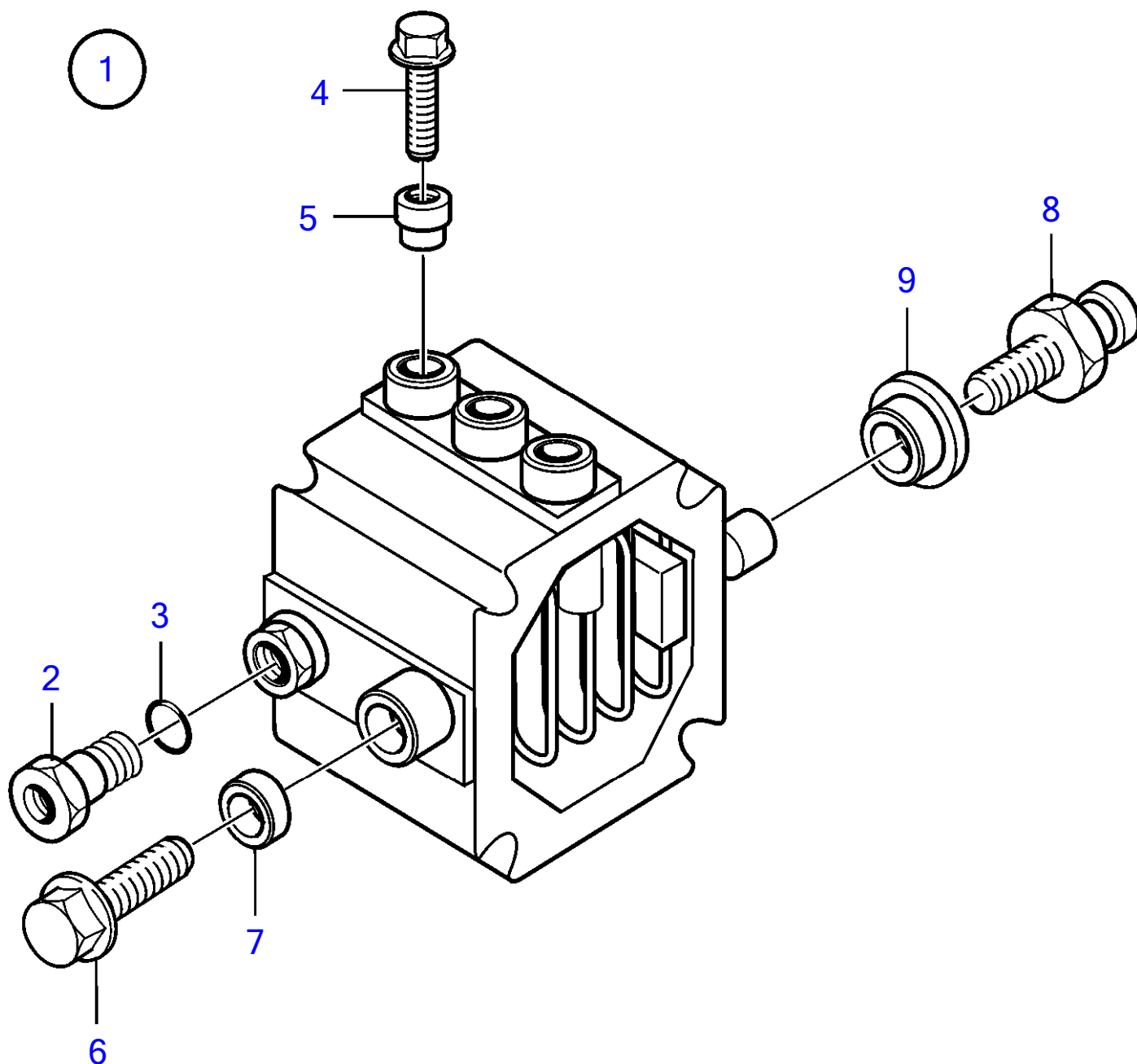
Ref	Part No.	Qty	Description
1	20735825	1	Charge air pipe
2	20405613	1	Gasket
3	20405614	1	Cover
4	965215	4	Flange screw
5	20412601	8	Flange screw
6	969011	1	Gasket
7	960630	1	Plug
8	20405621	1	Intake gasket
9	20405622	1	Elbow
10	20412324	2	Flange screw
11	20591706	2	Gasket
12	947281	1	Gasket
13	888774	1	Plug
14	20405536	2	Sealing ring
15	20405616	1	Tube



21946

**25 Inlet Manifold
TD720GE**

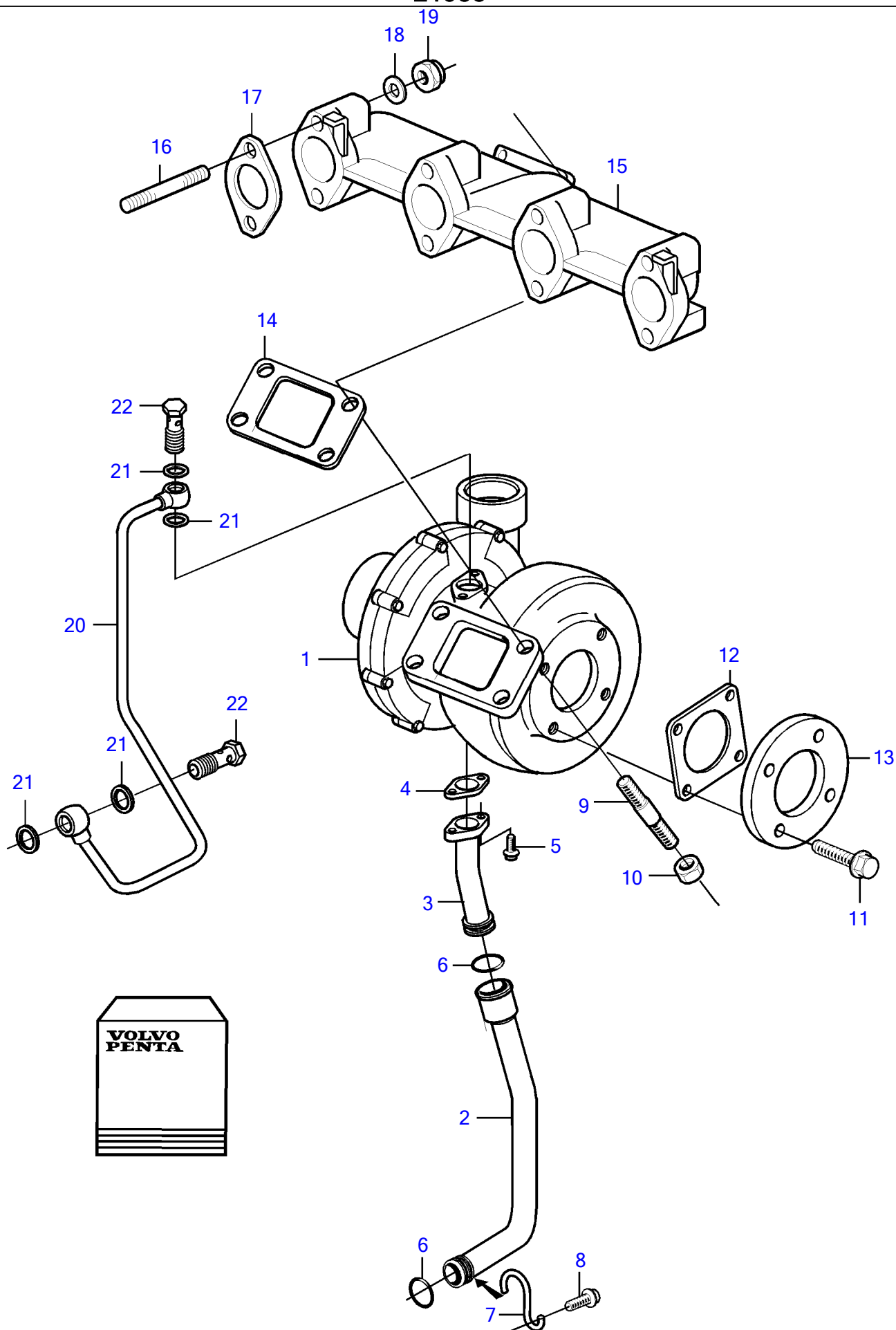
Ref	Part No.	Qty	Description	Notes
1	20735611	1	Inlet manifold	(20405556)
2	20735843	1	Inlet manifold	
3	20405613	1	Gasket	
4	20412340	4	Flange screw	
5	888774	1	Plug	
6	947281	1	Gasket	
7	20405621	1	Intake gasket	
8	20405954	1	Elbow	
9	20412324	2	Flange screw	
10	969011	1	Gasket	
11	960630	1	Plug	
12	20412601	12	Flange screw	
13	20405614	1	Cover	
14	965215	1	Flange screw	
15	20591706	6	Gasket	
16	20405944	1	Adapter	
17	20405535	2	O-ring	



23843

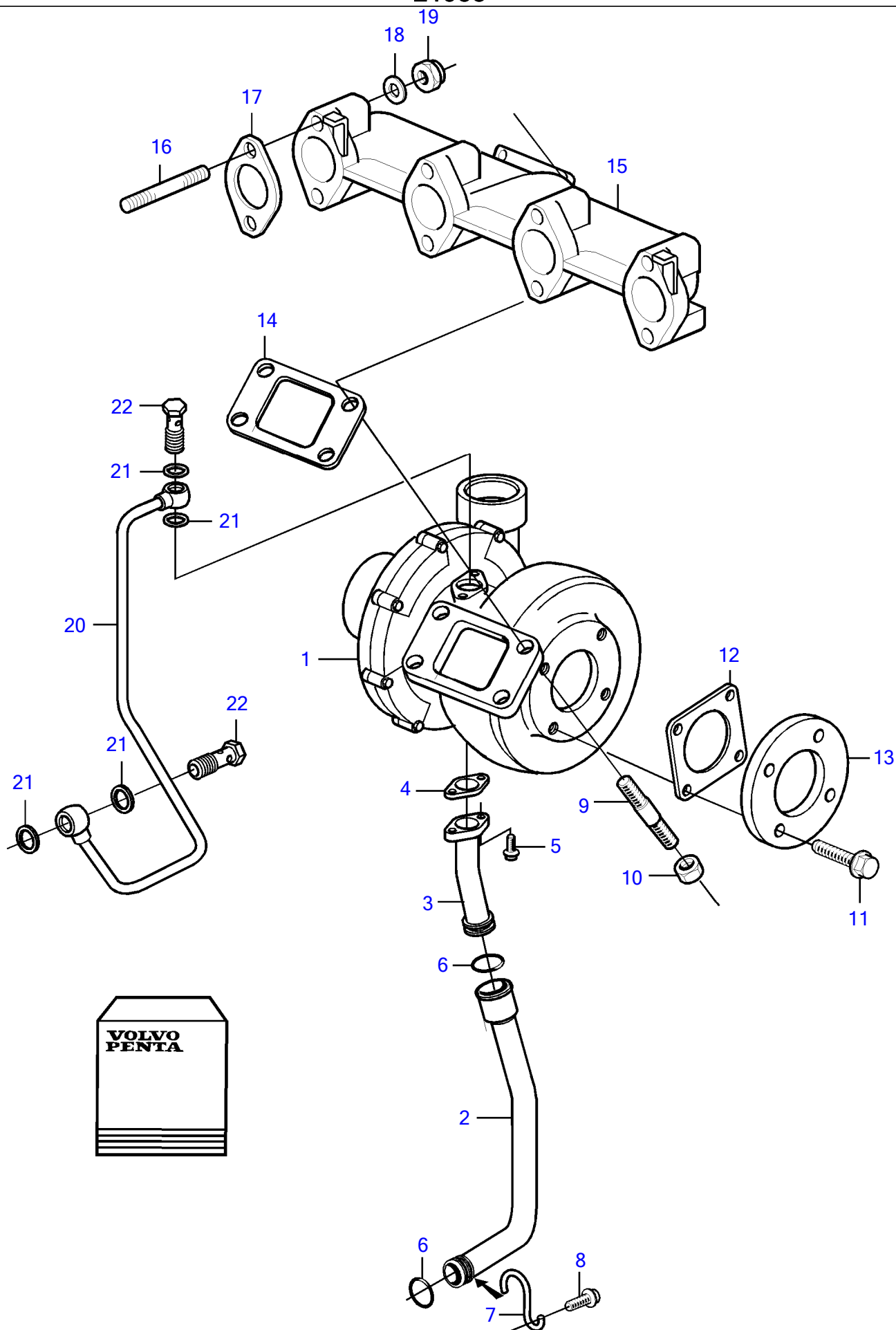
25 Air Heaters
TAD532GE, TAD732GE, TAD733GE

Ref	Part No.	Qty	Description
1	20758403	1	Heater, 24V
2	20498498	1	• Connector, -pole
3	20498524	1	• O-ring
4	20550356	5	• Flange screw
5	20550336	5	• Insulator
6	984735	2	• Flange screw
7	20758437	2	• Insulator
8	20726089	1	• Connector, +pole
9	20521558	1	• Insulator



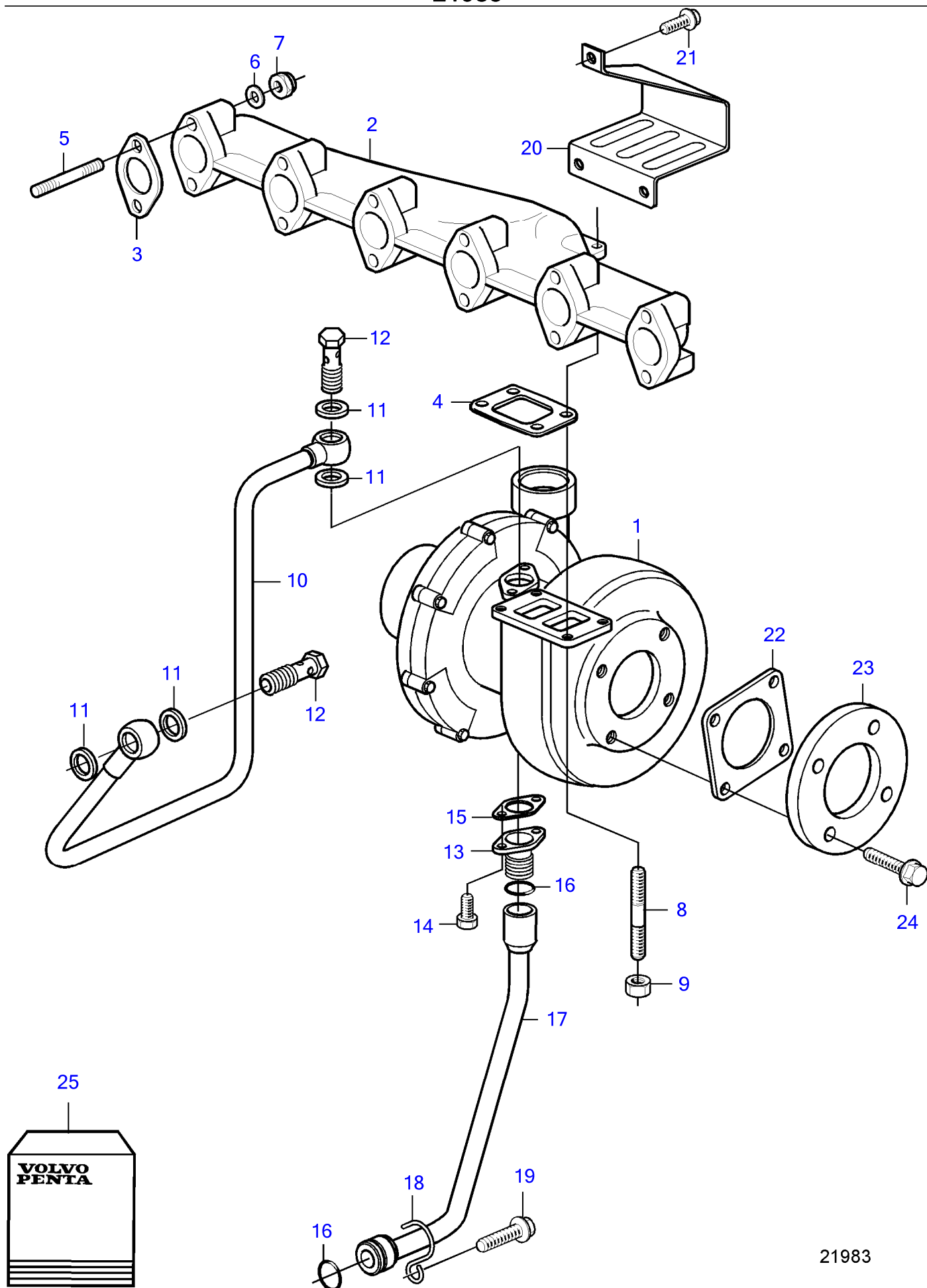
**25 Exhaust Manifold and Turbocharger. Low Mounted Turbo. Exhaust Outlet Front
TAD530GE, TAD531GE**

Ref	Part No.	Qty	Description
1	24426737	1	Turbocharger
	3802191	1	Turbocharger, exch, exch
	3802191	1	Turbocharger, exch
2	20580172	1	Return line
3	20580170	1	Return line
4	20405790	2	Plane gasket
5	984734	1	Flange screw
6	20405822	2	O-ring
7	20405789	1	Retainer
8	20405792	1	Flange screw
9	20412318	4	Stud
10	20517048	4	Hexagon nut
11	20405609	4	Hexagon screw
12	20795122	1	Gasket
13	20405607	1	Flange
14	20405590	1	Gasket
15	20580164	1	Exhaust pipe
16	20405587	8	Stud
17	20557208	1	Gasket
18	20799731	8	Washer
19	20505959	8	Nut retainer
20	20580165	1	Oil line
21	969011	4	Gasket
22	25167	2	Hollow screw



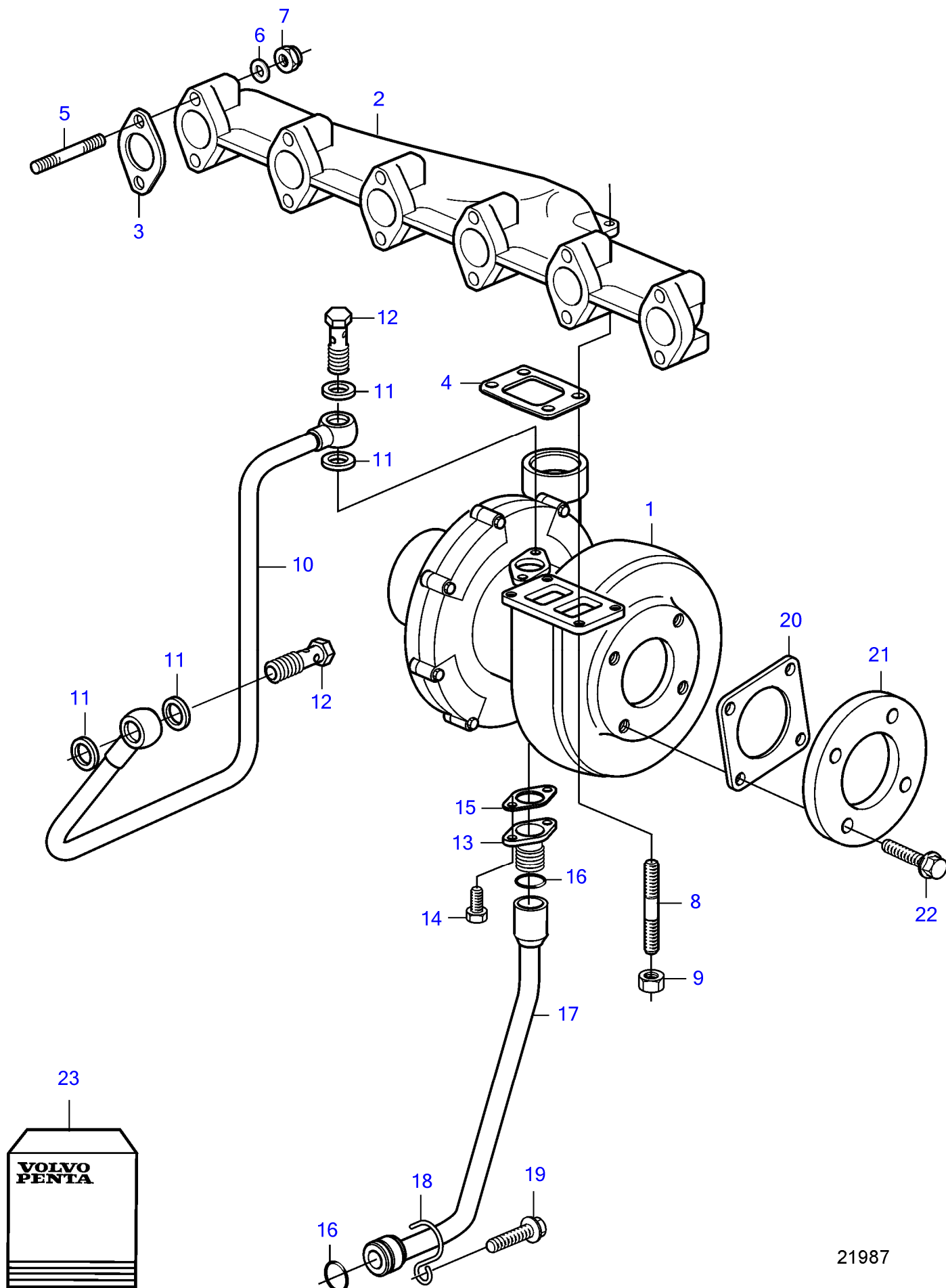
**25 Exhaust Manifold and Turbocharger. Low Mounted Turbo. Exhaust Outlet Front
TAD532GE**

Ref	Part No.	Qty	Description
1	20515561	1	Turbocharger
	3801245	1	Turbocharger, exch, exch
	3801245	1	Turbocharger, exch
2	20580172	1	Return line
3	20580170	1	Return line
4	20405790	2	Plane gasket
5	984734	1	Flange screw
6	20405822	2	O-ring
7	20405789	1	Retainer
8	20405792	1	Flange screw
9	20412318	4	Stud
10	20517048	4	Hexagon nut
11	20405609	4	Hexagon screw
12	20795122	1	Gasket
13	20405607	1	Flange
14	20405590	1	Gasket
15	20580164	1	Exhaust pipe
16	20405587	8	Stud
17	20557208	1	Gasket
18	20799731	8	Washer
19	20505959	8	Nut retainer
20	20580165	1	Oil line
21	969011	4	Gasket
22	25167	2	Hollow screw



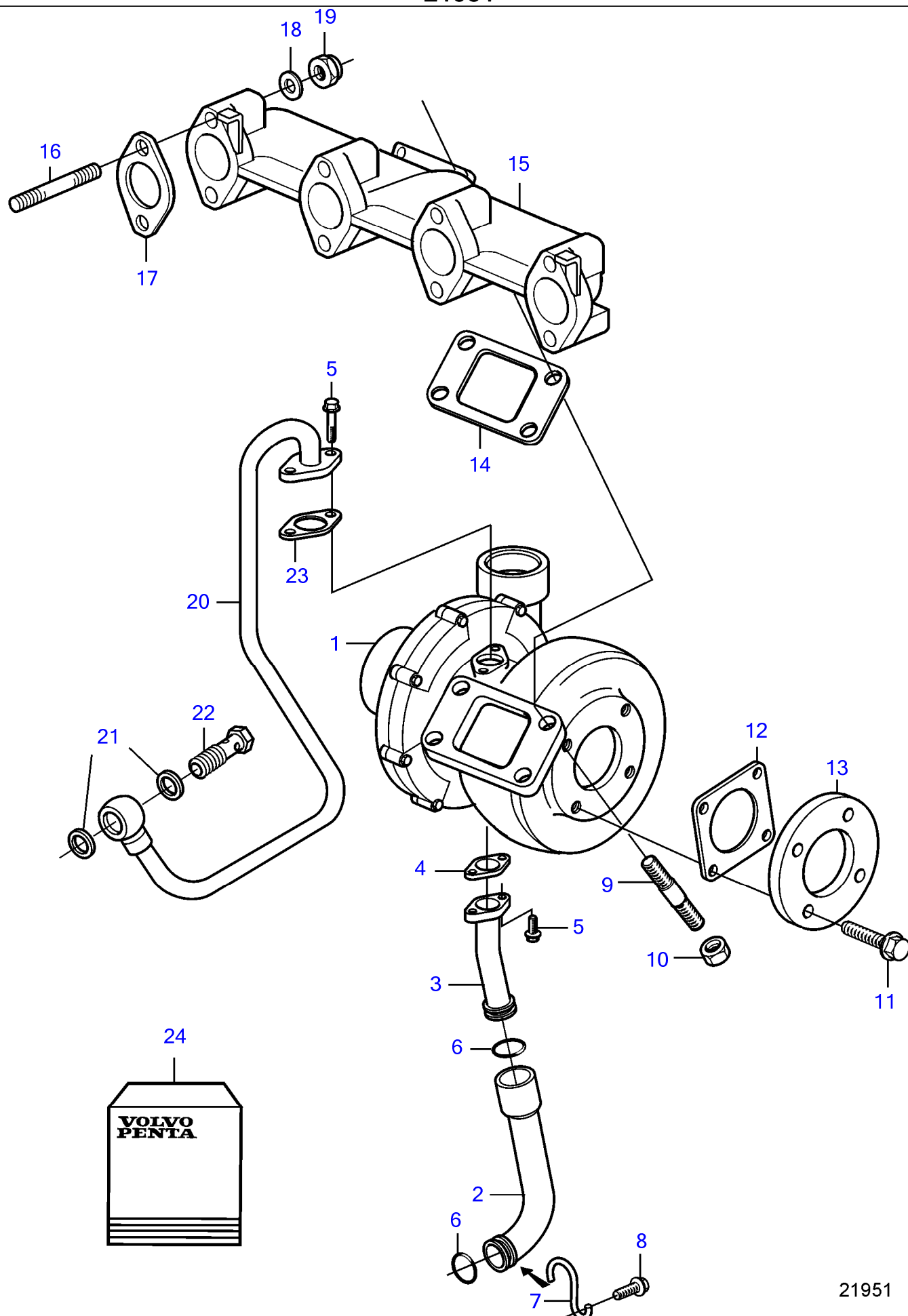
**25 Exhaust Manifold and Turbocharger. Low Mounted Turbo. Exhaust Outlet Front
TAD730GE, TAD731GE**

Ref	Part No.	Qty	Description
1	20500295	1	Turbocharger
	3802178	1	Turbocharger, exch, exch
	3802178	1	Turbocharger, exch
2	20534529	1	Exhaust manifold
3	20557208	6	Gasket
4	20405970	1	Gasket
5	20405587	12	Stud
6	20799731	12	Washer
7	20505959	12	Nut retainer
8	20412314	4	Stud
9	20412308	4	Hexagon nut
10	20520590	1	Oil line
11	969011	4	Gasket
12	25167	2	Hollow screw
13	20459178	1	Flange
14	984734	2	Flange screw
15	20405790	1	Plane gasket
16	20405822	2	O-ring
17	20523051	1	Return line
18	20405789	1	Retainer
19	20405792	1	Flange screw
20	20412330	1	Baffle
21	20405792	3	Flange screw
22	20405969	1	Gasket
23	20405916	1	Flange
24	20405874	4	Flange screw
25		1	Repair kit



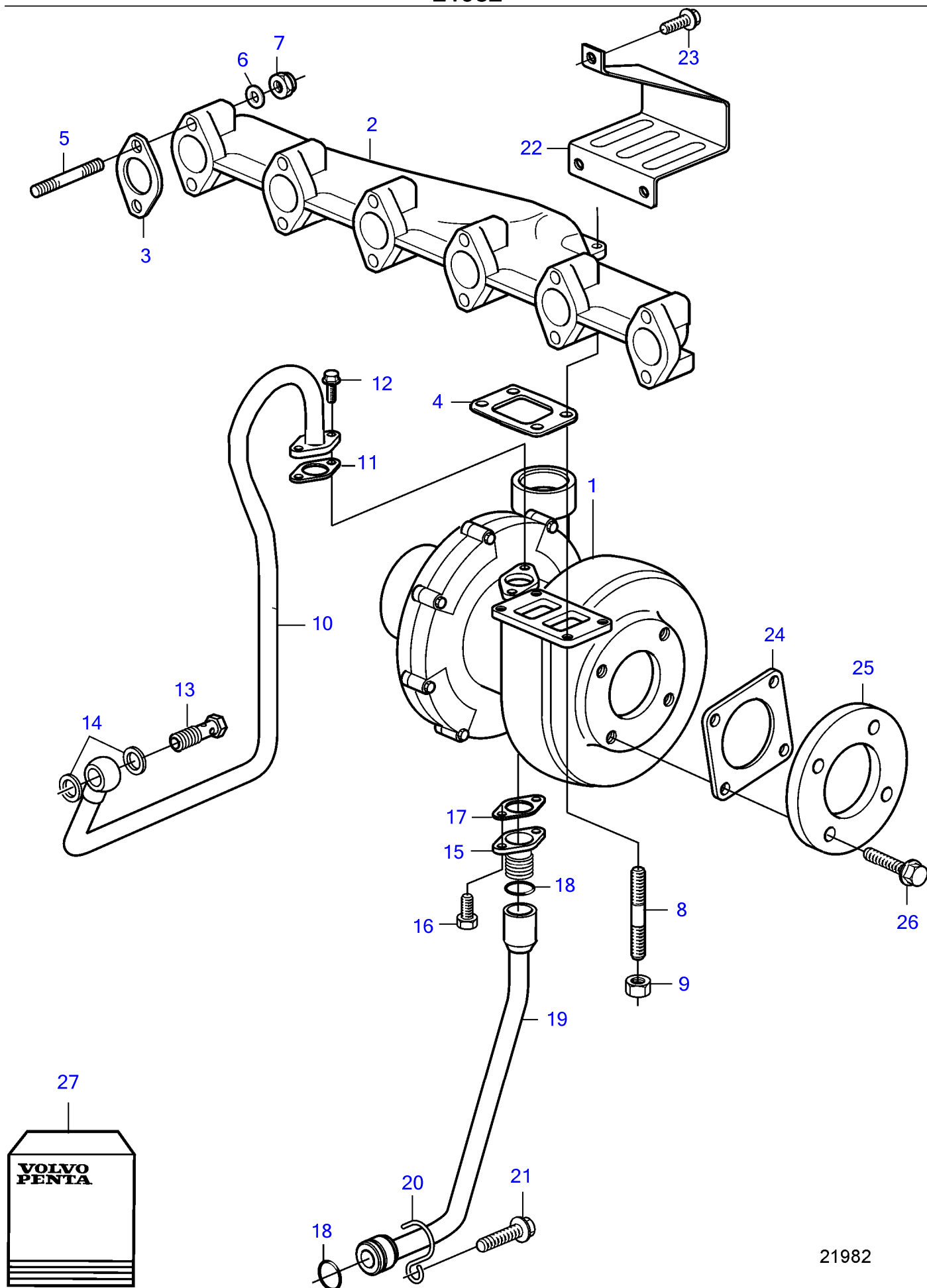
**25 Exhaust Manifold and Turbocharger. Low Mounted Turbo. Exhaust Outlet Front
TAD732GE, TAD733GE**

Ref	Part No.	Qty	Description
1	20500295	1	Turbocharger
	3802178	1	Turbocharger, exch, exch
	3802178	1	Turbocharger, exch
2	20534529	1	Exhaust manifold
3	20557208	6	Gasket
4	20405970	1	Gasket
5	20405587	12	Stud
6	20799731	12	Washer
7	20505959	12	Nut retainer
8	20412314	4	Stud
9	20412308	4	Hexagon nut
10	20520590	1	Oil line
11	969011	4	Gasket
12	25167	2	Hollow screw
13	20459178	1	Flange
14	984734	2	Flange screw
15	20405790	1	Plane gasket
16	20405822	2	O-ring
17	20523051	1	Return line
18	20405789	1	Retainer
19	20405792	1	Flange screw
20	20405969	1	Gasket
21	20405916	1	Flange
22	20405874	4	Flange screw
23		1	Repair kit



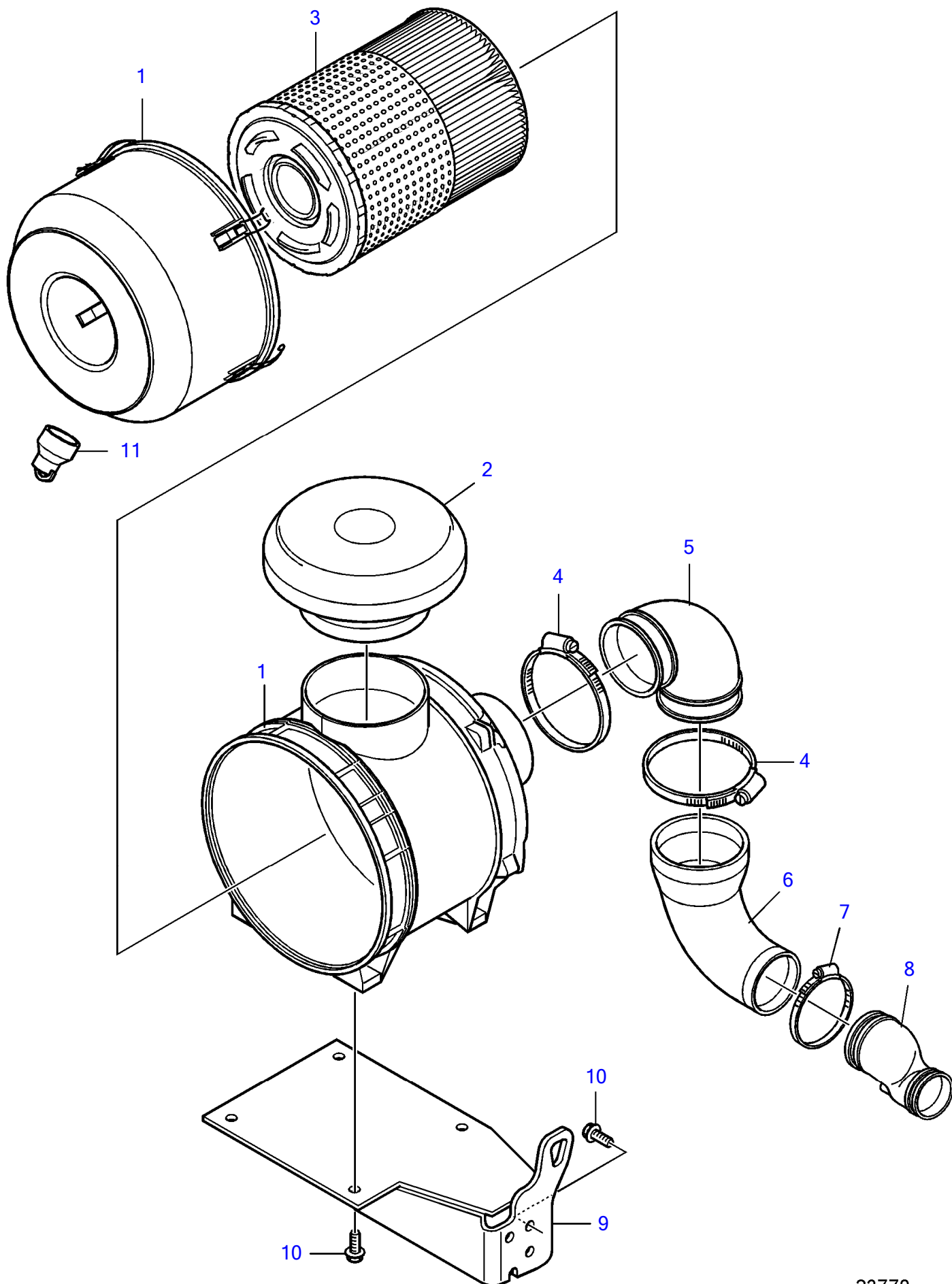
**25 Exhaust Manifold and Turbocharger. Low Mounted Turbo. Exhaust Outlet Front.
Stage 1, Tier 1
TD520GE**

Ref	Part No.	Qty	Description	Notes
1	20405604	1	Turbocharger	
	3802130	1	Turbocharger, exch, exch	
	3802130	1	Turbocharger, exch	
2	20405791	1	Return line	
3	20405600	1	Return line	SN-53851527
	20555279	1	Return line	SN53851528-
4	20405790	1	Plane gasket	
5	984734	4	Flange screw	
6	20405822	2	O-ring	
7	20405789	1	Retainer	
8	20405792	1	Flange screw	
9	20412318	4	Stud	
10	20517048	4	Hexagon nut	
11	20405609	4	Hexagon screw	
12	20795122	1	Gasket	
13	20405607	1	Flange	
14	20405590	1	Gasket	
15	20460293	1	Exhaust pipe	Replaced by 20405592
	20405592	1	Exhaust manifold	
16	20405587	8	Stud	
17	20557208	4	Gasket	
18	20799731	8	Washer	
19	20505959	8	Nut retainer	(20405593)
20	20405596	1	Oil line	
21	969011	2	Gasket	
22	25167	1	Hollow screw	
23	20405595	1	Gasket	
24		1	Repair kit	



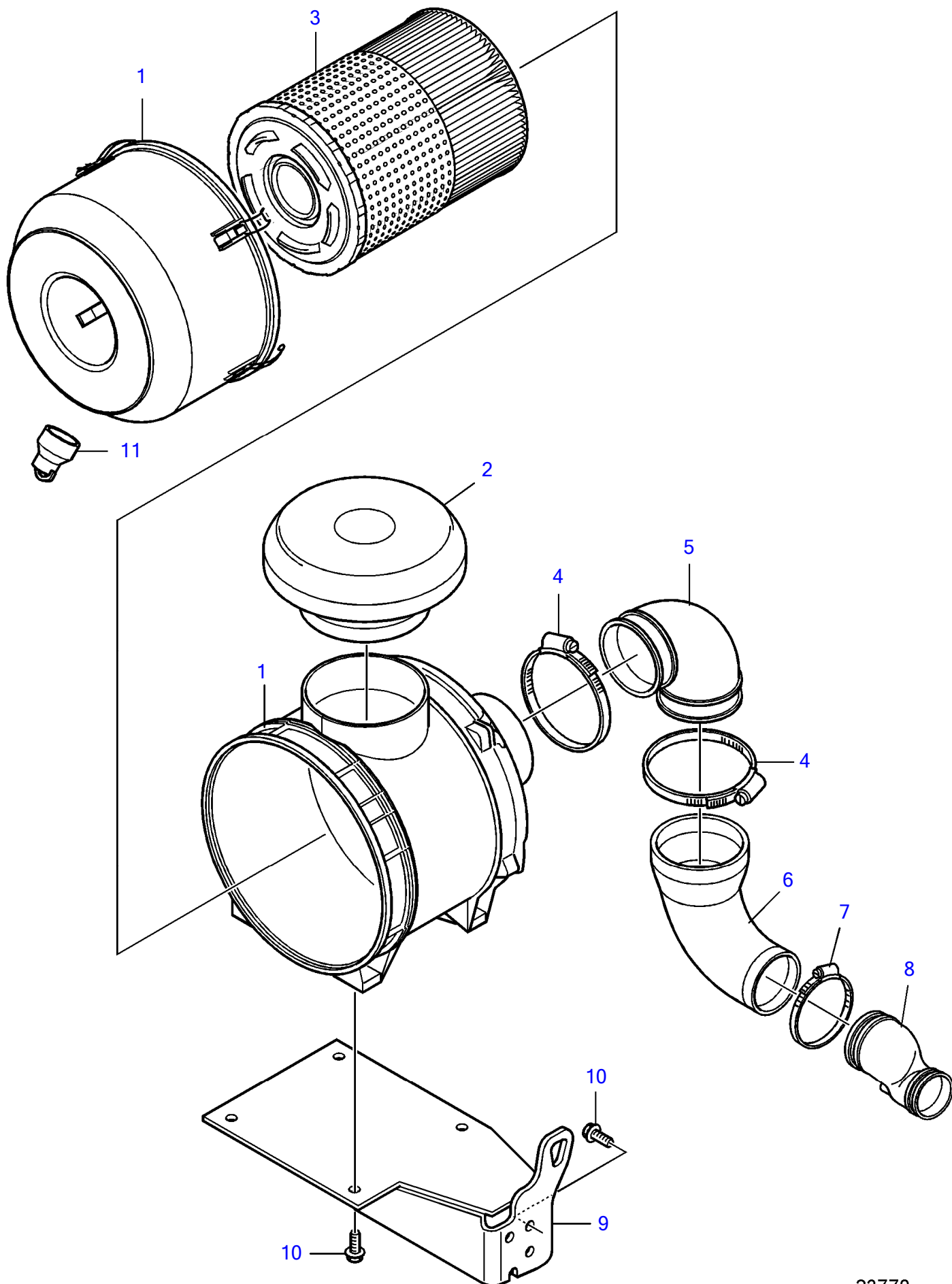
**25 Exhaust Manifold and Turbocharger. Low Mounted Turbo. Exhaust Outlet Front.
Stage 1, Tier 1
TD720GE**

Ref	Part No.	Qty	Description
1	20405585	1	Turbocharger
	3802132	1	Turbocharger, exch
2	20534529	1	Exhaust manifold
3	20557208	6	Gasket
4	20405970	1	Gasket
5	20405587	12	Stud
6	20799731	12	Washer
7	20505959	12	Nut retainer
8	20799733	4	Stud
9	20412308	4	Hexagon nut
10	20405922	1	Oil line
11	20405595	1	Gasket
12	984734	2	Flange screw
13	25167	1	Hollow screw
14	969011	2	Gasket
15	20459178	1	Flange
16	984734	2	Flange screw
17	20405790	1	Plane gasket
18	20405822	2	O-ring
19	20523051	1	Return line
20	20405789	1	Retainer
21	20405792	1	Flange screw
22	20412330	1	Baffle
23	20405792	3	Flange screw
24	20405969	1	Gasket
25	20405916	1	Flange
26	20405874	4	Flange screw
27		1	Repair kit



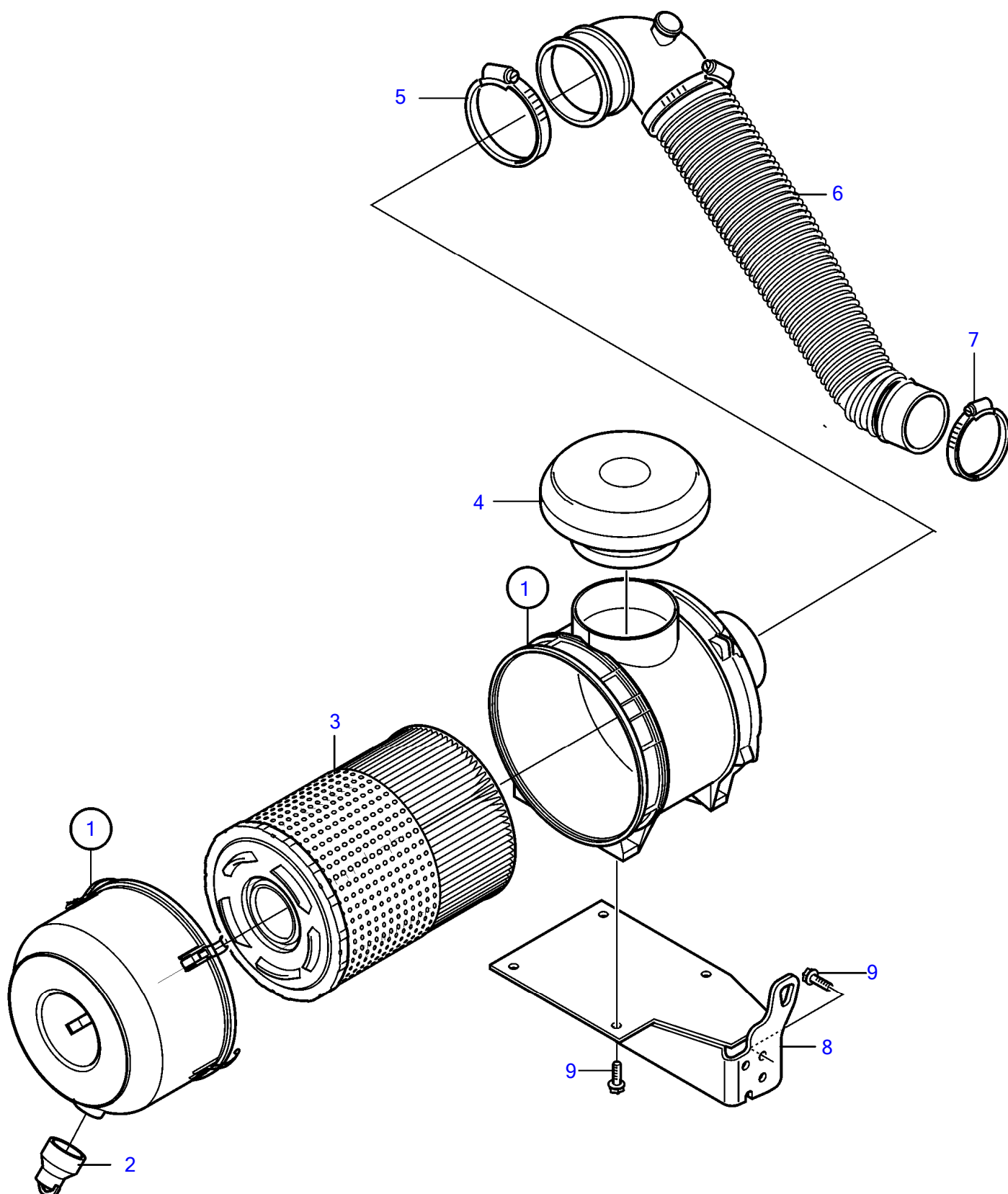
25 Air Filter and Induction Manifold
TAD530GE, TAD531GE

Ref	Part No.	Qty	Description
1	21010243	1	Air cleaner
2	21065677	1	Cap
3	21010247	1	Air filter
4	20723986	2	Hose clamp
5	20797197	1	Air duct
6	21069291	1	Pipe
7	20773425	1	Hose clamp
8	20765436	1	Manifold
9	21069293	1	Bracket
10	970947	8	Hexagon screw



**25 Air Filter and Induction Manifold
TAD532GE**

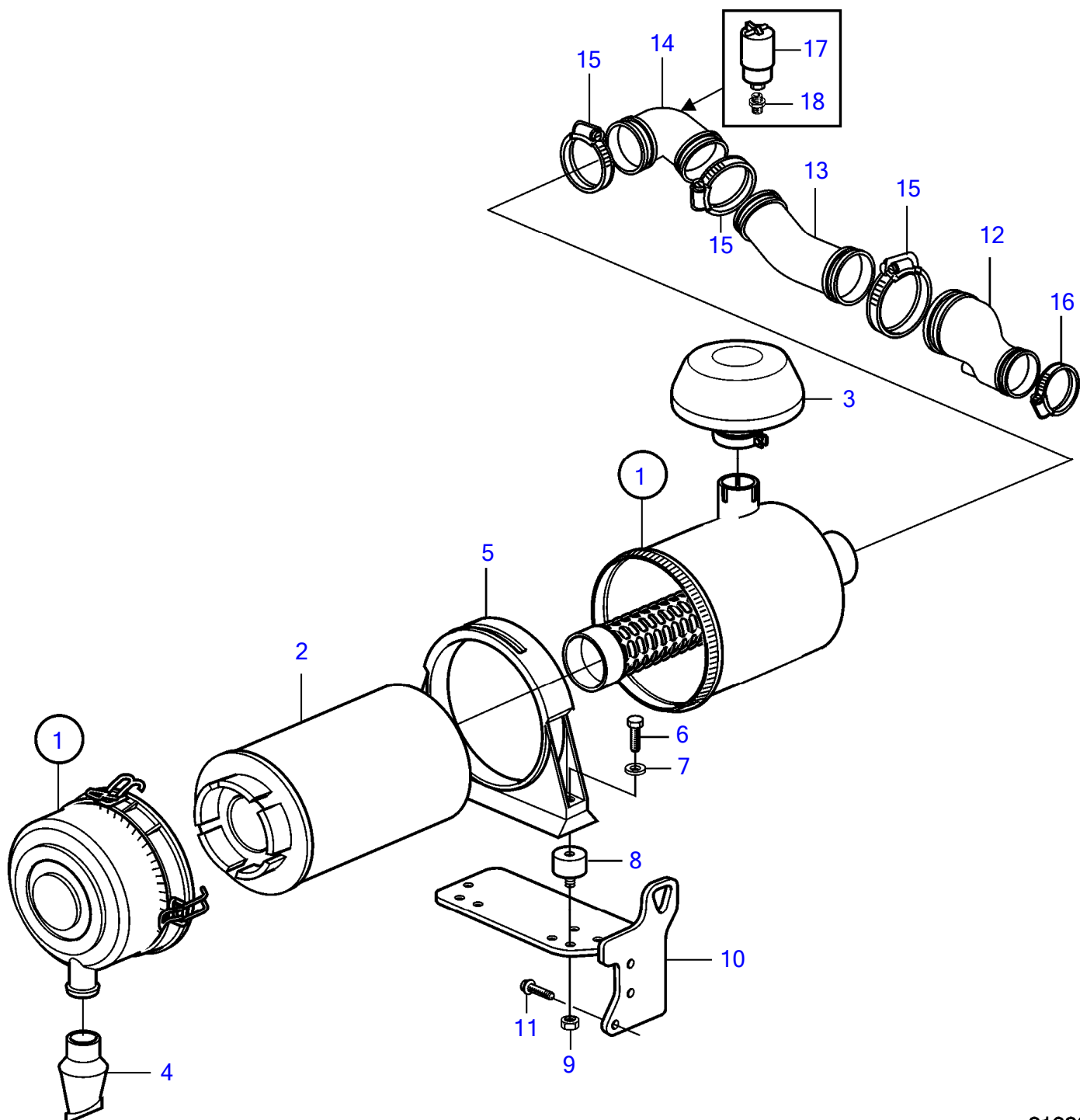
Ref	Part No.	Qty	Description
1	21010254	1	Air cleaner
2	21065677	1	Cap
3	21377913	1	Filter insert
4	20723986	2	Hose clamp
5	20797197	1	Air duct
6	21069291	1	Pipe
7	20773425	1	Hose clamp
8	20765436	1	Manifold
9	21069293	1	Bracket
10	970947	8	Hexagon screw
11	20585674	1	Dust ejector



23793

25 Air Filter and Induction Manifold
TAD730GE, TAD731GE, TAD732GE, TAD733GE

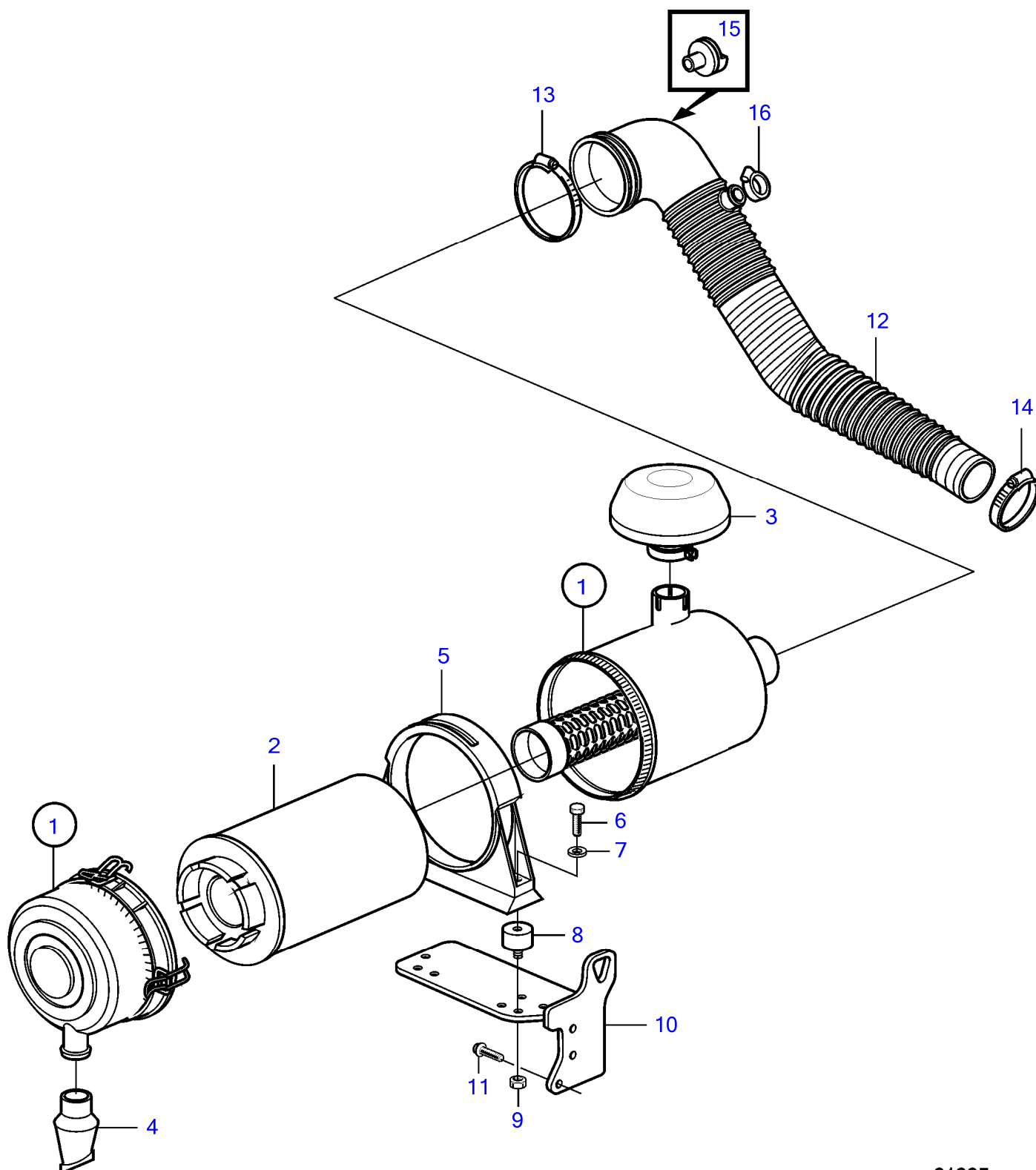
Ref	Part No.	Qty	Description	Notes
1	21010248	1	Air cleaner	TAD730GE Spec: 869360 SN-10424710
	21010254	1	Air cleaner	TAD730GE Spec: 869360 SN10424711-
	21010248	1	Air cleaner	TAD730GE Spec: 869365 SN-10420665
	21010254	1	Air cleaner	TAD730GE Spec: 869365 SN10420666-
	21010248	1	Air cleaner	TAD731GE Spec: 869361 SN-10420659
	21010254	1	Air cleaner	TAD731GE Spec: 869361 SN10420660-
	21010248	1	Air cleaner	TAD731GE Spec: 869366 SN-10420666
	21010254	1	Air cleaner	TAD731GE Spec: 869366 SN10420667-
	21010254	1	Air cleaner	TAD732GE, TAD733GE
2	20585674	1	• Dust ejector	
3	21010256	1	• Air filter	Replaced by 21377913
	21377913	1	• Filter insert	
4	21065677	1	Cap	
5	20723986	1	Hose clamp	
6	21069292	1	Pipe	
7	20773425	1	Hose clamp	
8	21069293	1	Bracket	
9	970947	8	Hexagon screw	



21993

**25 Air Filter and Induction Manifold. Stage 1, Tier 1
TD520GE**

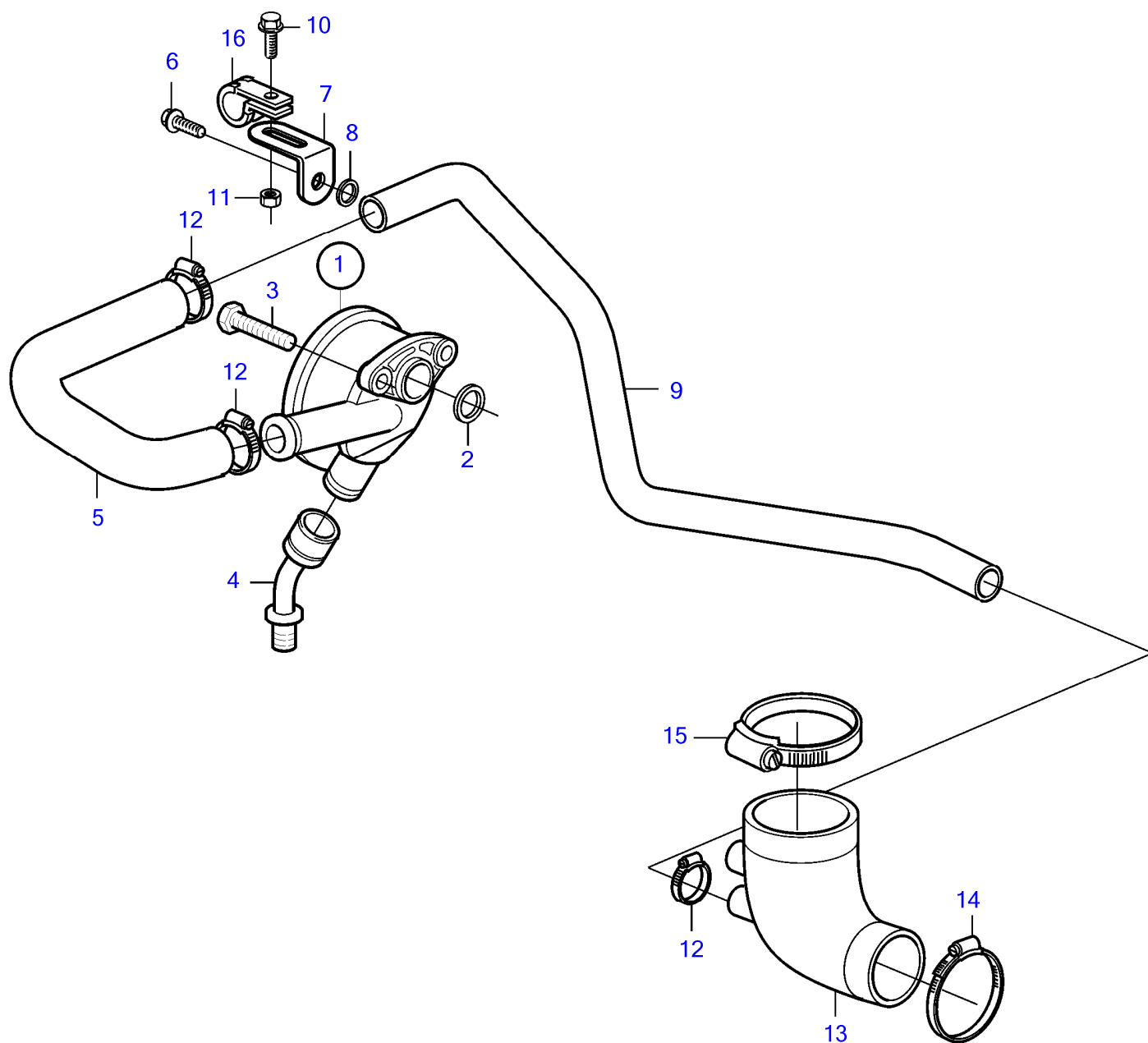
Ref	Part No.	Qty	Description	Notes
1	20405836	1	Air cleaner	(20405827)
2	3840033	1	• Filter insert	
3	20405826	1	• Cap	
4	20585674	1	• Dust ejector	
5	20514087	1	• Bracket	
6	20511231	2	Screw	
7	20405734	2	Washer	
8	20405949	2	Vibration damper	
9	20405768	2	Hexagon nut	
10	20742492	1	Bracket	
11	970947	3	Hexagon screw	
12	20405930	1	Manifold	
13	20412348	1	Pipe elbow	
14	20405832	1	Manifold	
15	20412379	3	Hose clamp	
16	20412420	1	Hose clamp	
17	20553463	1	Sensor	
18	20799261	1	Fitting	



21995

**25 Air Filter and Induction Manifold. Stage 1, Tier 1
TD720GE**

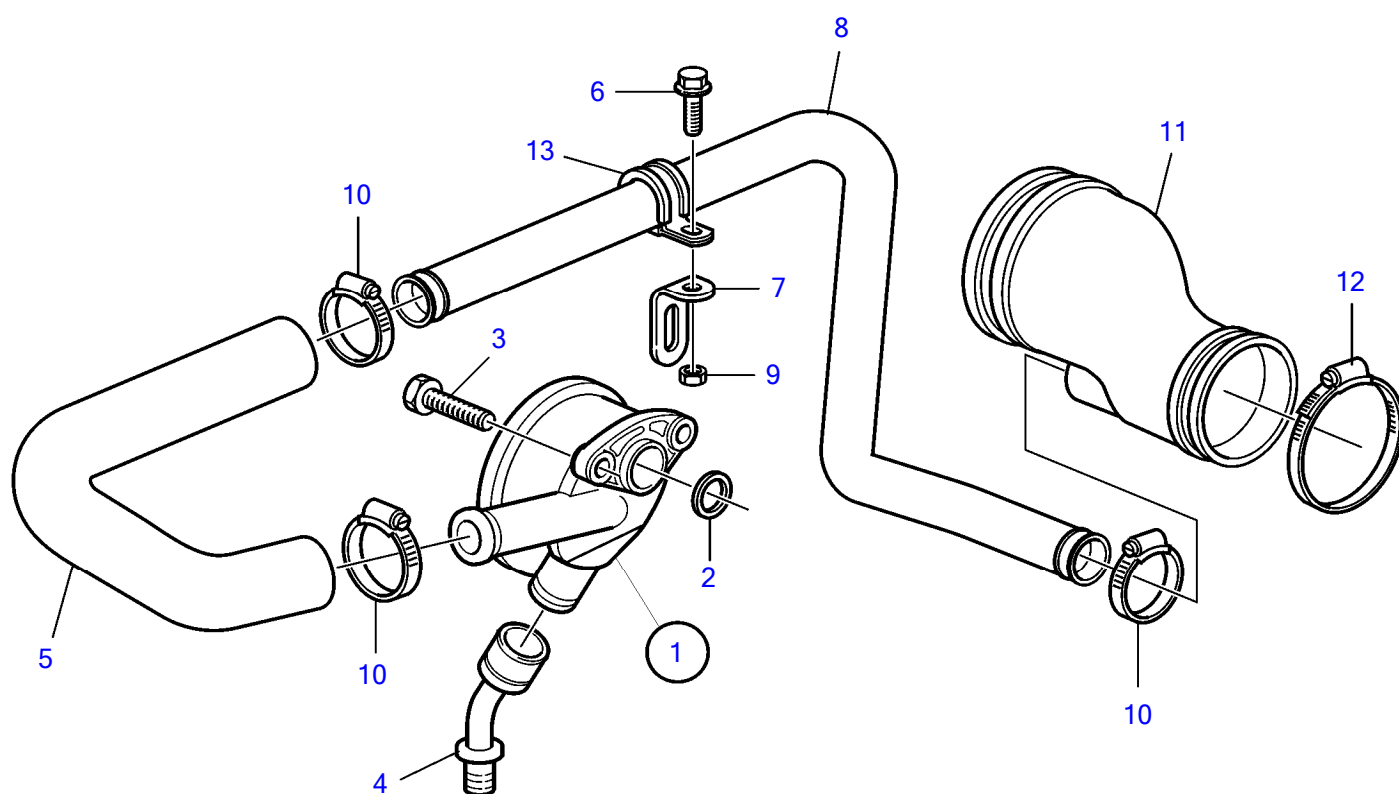
Ref	Part No.	Qty	Description	Notes
1	20405837	1	Air cleaner	(20405830)
2	3840034	1	• Filter insert	
3	20405829	1	• Cap	
4	20405839	1	• Dust ejector	
5	20405833	1	• Bracket	
6	20511231	2	Screw	
7	20405734	2	Washer	
8	20405949	2	Vibration damper	
9	20405768	2	Hexagon nut	
10	20742492	1	Bracket	
11	970947	3	Hexagon screw	
12	20412327	1	Manifold	
13	20412379	1	Hose clamp	
14	20412420	1	Hose clamp	
15	20460349	1	Indicator	
16	853548	1	Hose clamp	



21990

**25 Crankcase Ventilation. Low Mounted Turbo. Exhaust Outlet Front: Without air filter
TAD530GE, TAD531GE**

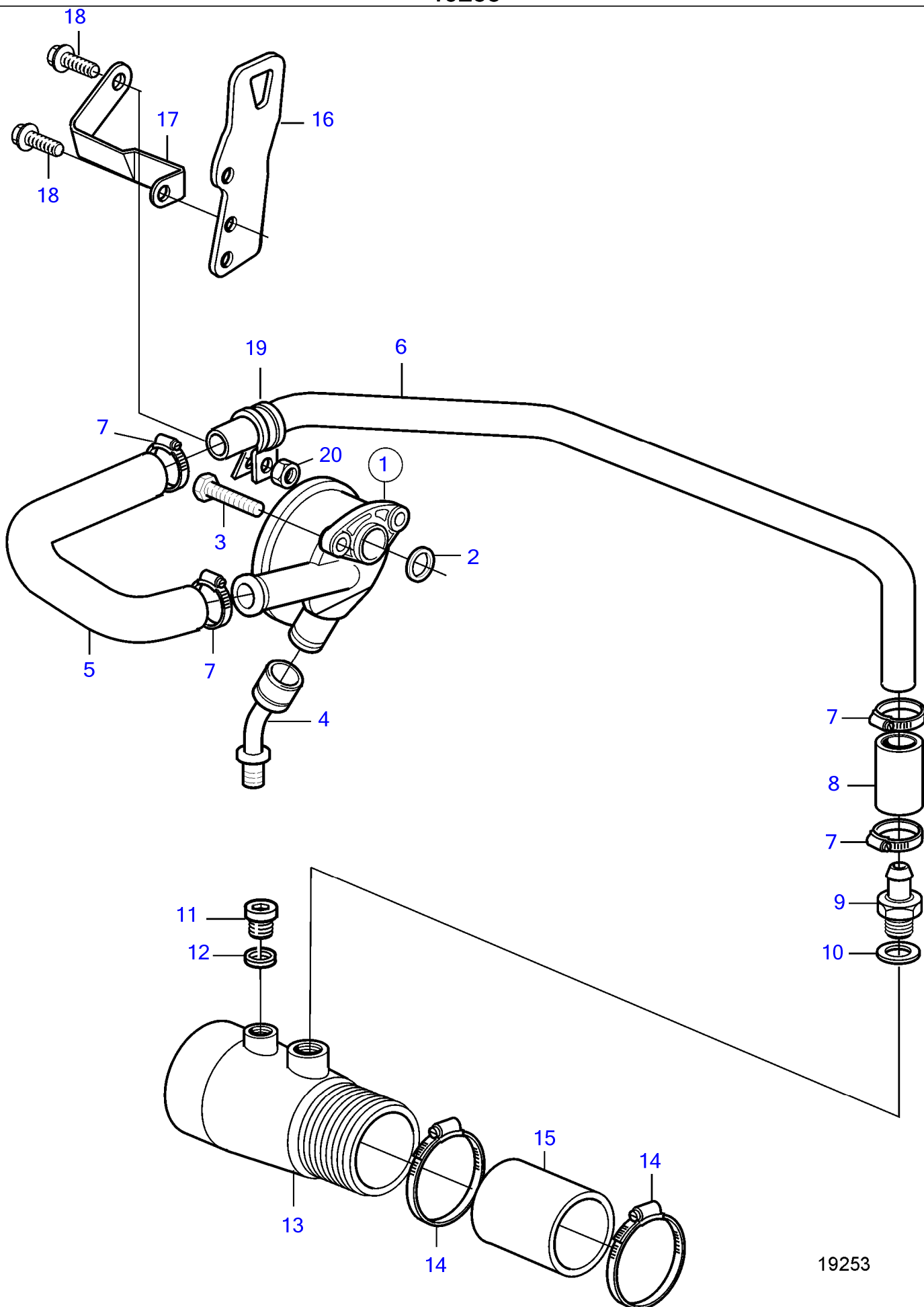
Ref	Part No.	Qty	Description	Notes
1	20405626	1	Oil separator	
2	20405627	1	• Gasket	
3	20450728	2	Flange screw	
4	20405625	1	Conduit coupling	
5	20405629	1	Hose	
6	984735	1	Flange screw	(20441520)
7	20450726	1	Bracket	
8	20460226	1	Washer	
9	20746671	1	Pipe	
10	984734	1	Flange screw	
11	990940	1	Flange nut	
12	20405755	3	Hose clamp	
13	20460947	1	Manifold	Without air filter.
14	20768688	1	Hose clamp	
15	20412379	1	Hose clamp	
16	20405532	1	Clamp	



23771

25 Crankcase Ventilation. Low Mounted Turbo. Exhaust Outlet Front: With air filter
TAD530GE, TAD531GE, TAD532GE

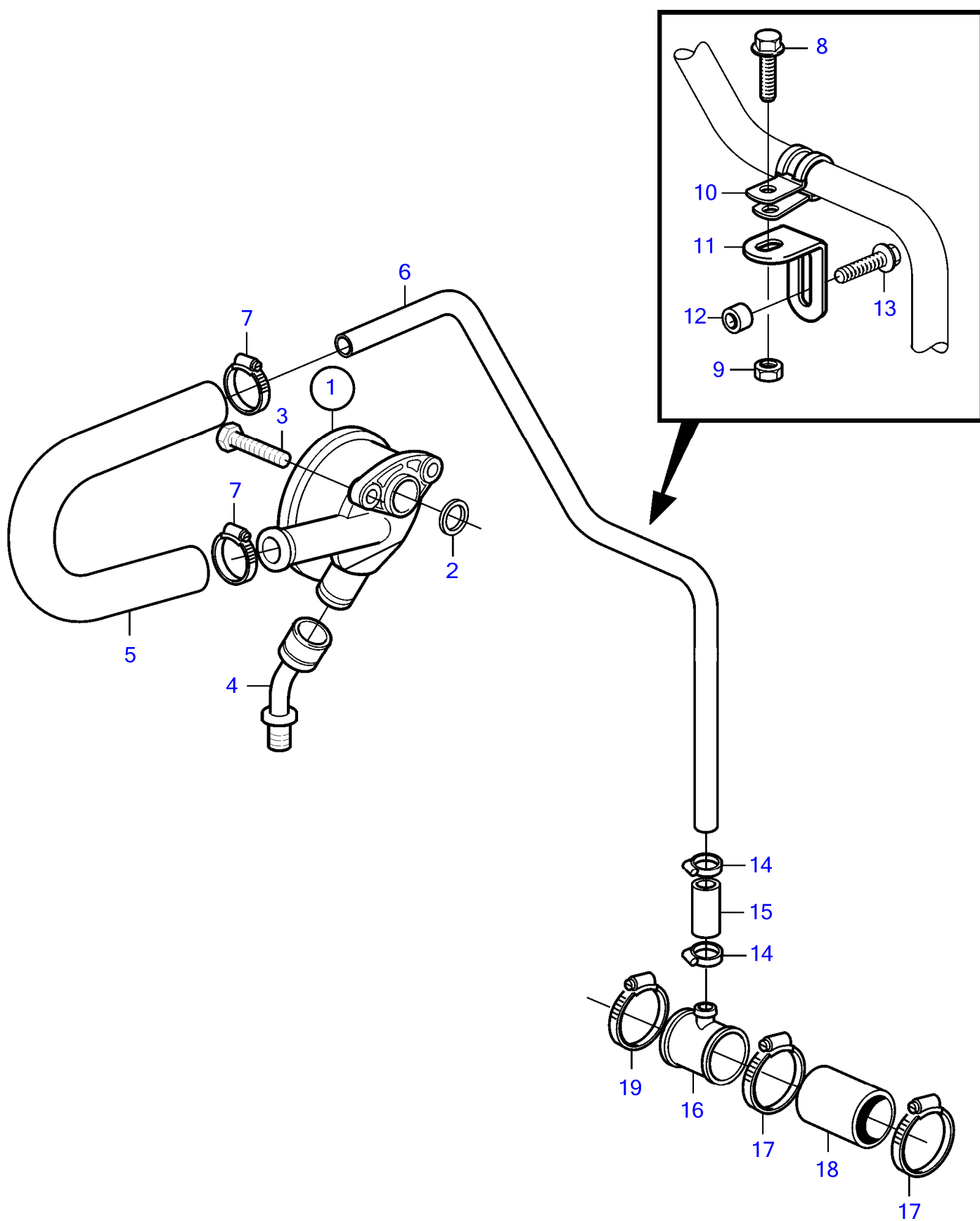
Ref	Part No.	Qty	Description	Notes
1	20405626	1	Oil separator	
2	20405627	1	• Gasket	
3	20450728	2	Flange screw	
4	20405625	1	Conduit coupling	
5	20405629	1	Hose	
6	984734	1	Flange screw	
7	20450726	1	Bracket	
8	21065854	1	Breather pipe	
9	990940	1	Flange nut	
10	20405755	3	Hose clamp	
11	20765436	1	Manifold	For air filter.
12	20773425	1	Hose clamp	
13	20405532	1	Clamp	



19253

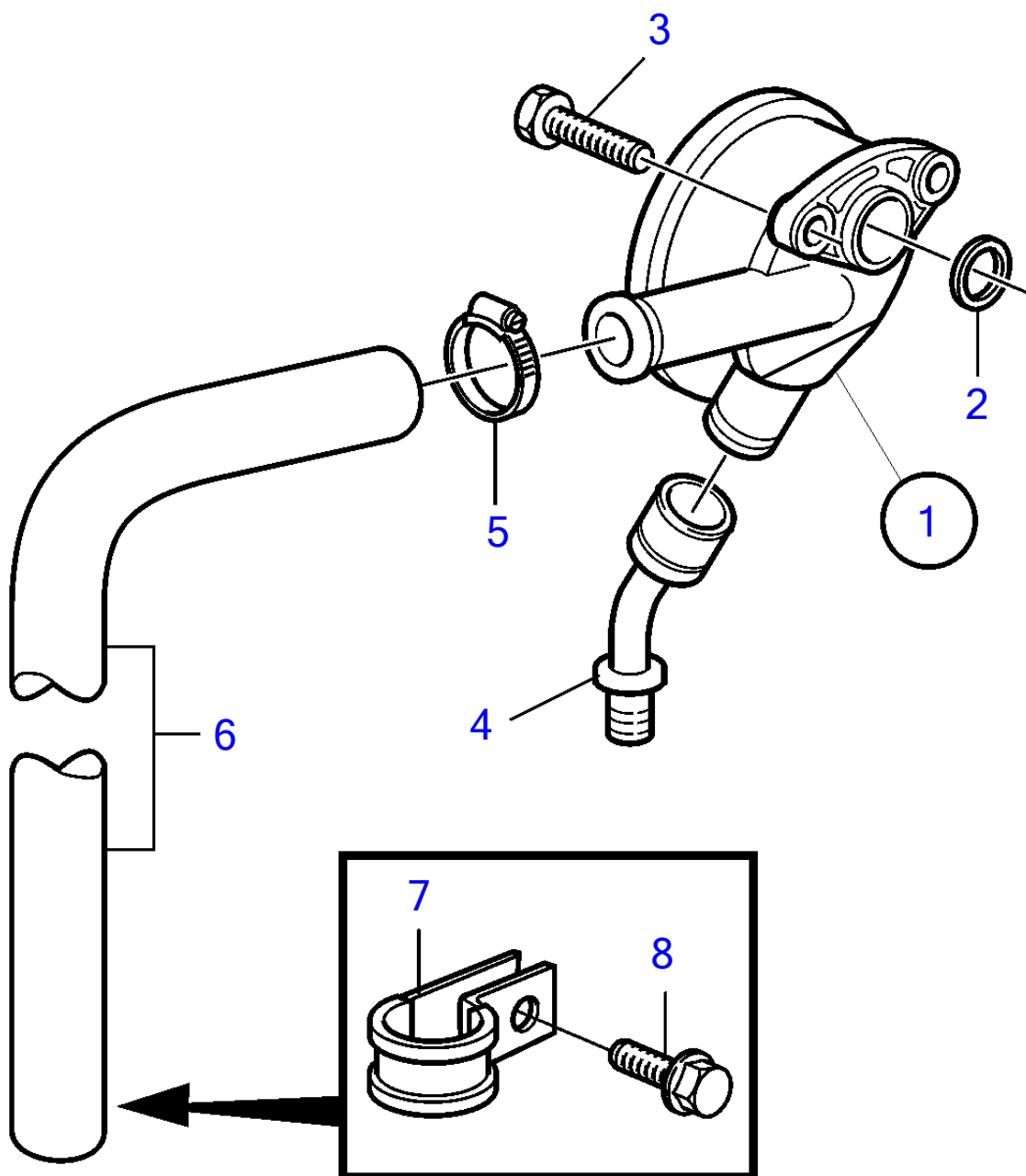
**25 Crankcase Ventilation. Low Mounted Turbo. Exhaust Outlet Front: Without air filter
TAD730GE, TAD731GE**

Ref	Part No.	Qty	Description	Notes
1	20412322	1	Oil separator	
2	20405943	1	• Gasket	
3	20450728	1	Flange screw	
4	20405938	1	Hose connection	
5	20405629	1	Hose	
6	20460391	1	Breather pipe	
7	20405755	4	Hose clamp	
8	20460395	1	Adapter	
9	20460390	1	Coupling piece	
10	20460389	1	Sealing ring	
11	20459195	1	Plug	
12	947628	1	Gasket	
13	20460461	1	Connector	Without air filter.
14	943482	2	Hose clamp	
15	20460462	1	Connection sleeve	
16		1	Lift iron	
17	20460392	1	Bracket	
18	984735	2	Flange screw	(20441520)
19	20405532	1	Clamp	
20	990940	1	Flange nut	



**25 Crankcase Ventilation. Low Mounted Turbo. Exhaust Outlet Front: With air filter
TAD730GE, TAD731GE, TAD732GE, TAD733GE**

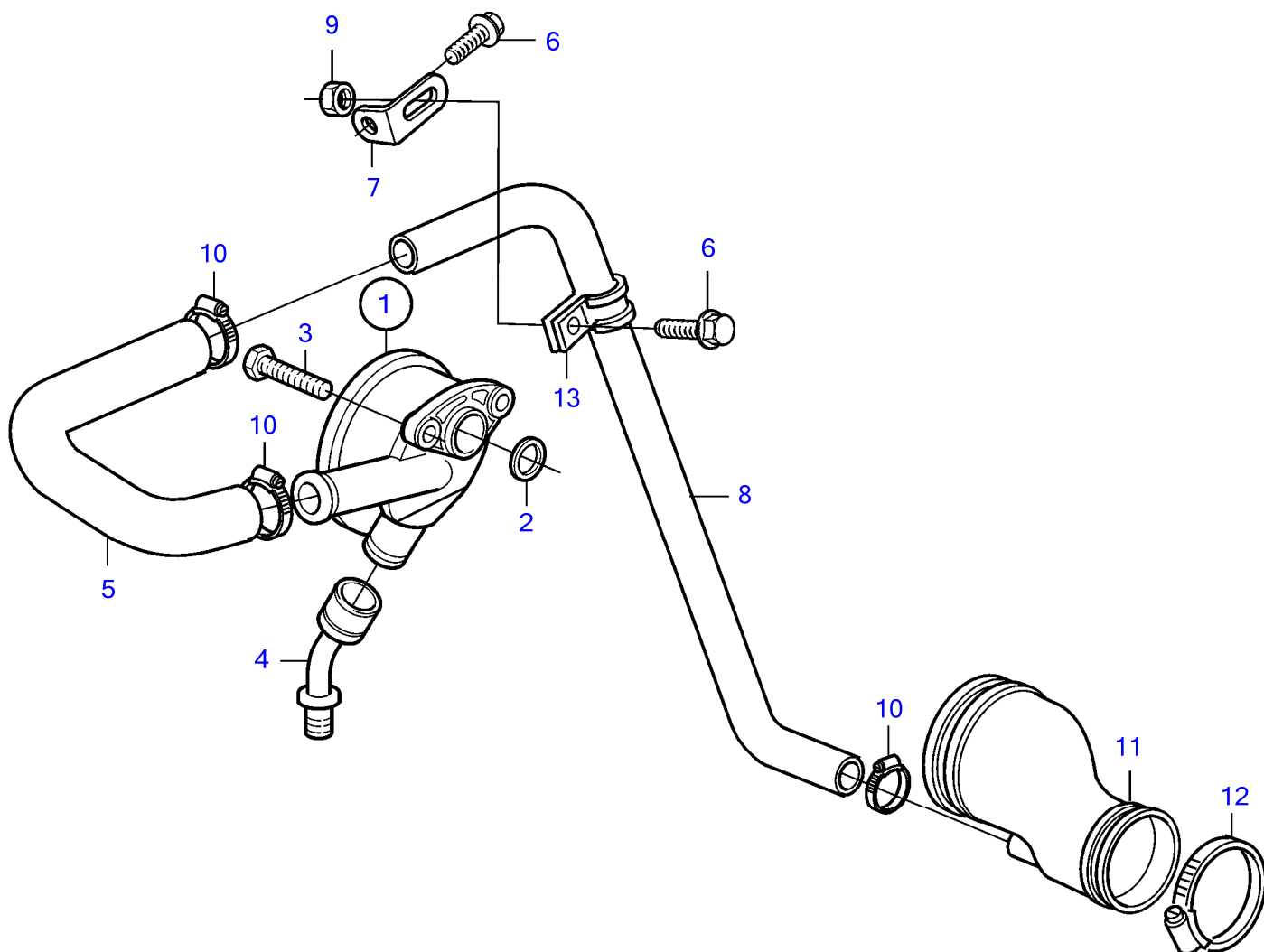
Ref	Part No.	Qty	Description	Notes
1	20412322	1	Oil separator	
2	20405943	1	• Gasket	
3	20450728	2	Flange screw	
4	20405938	1	Hose connection	
5	20405629	1	Hose	
6	20724014	1	Breather pipe	
7	20405755	2	Hose clamp	
8	984734	1	Flange screw	
9	990940	1	Flange nut	
10	20405532	1	Clamp	
11	20450726	1	Bracket	
12	20450730	1	Bushing	
13	20412324	1	Flange screw	
14	20513342	2	Hose clamp	
15	20460395	1	Adapter	
16	20585648	1	Connection pipe	
17	20773425	2	Hose clamp	(20585388)
18	20585403	1	Rubber sleeve	
19	21019685	1	Clip	



23791

25 Crankcase Ventilation. Low Mounted Turbo: With air filter
TAD532GE, TAD732GE, TAD733GE

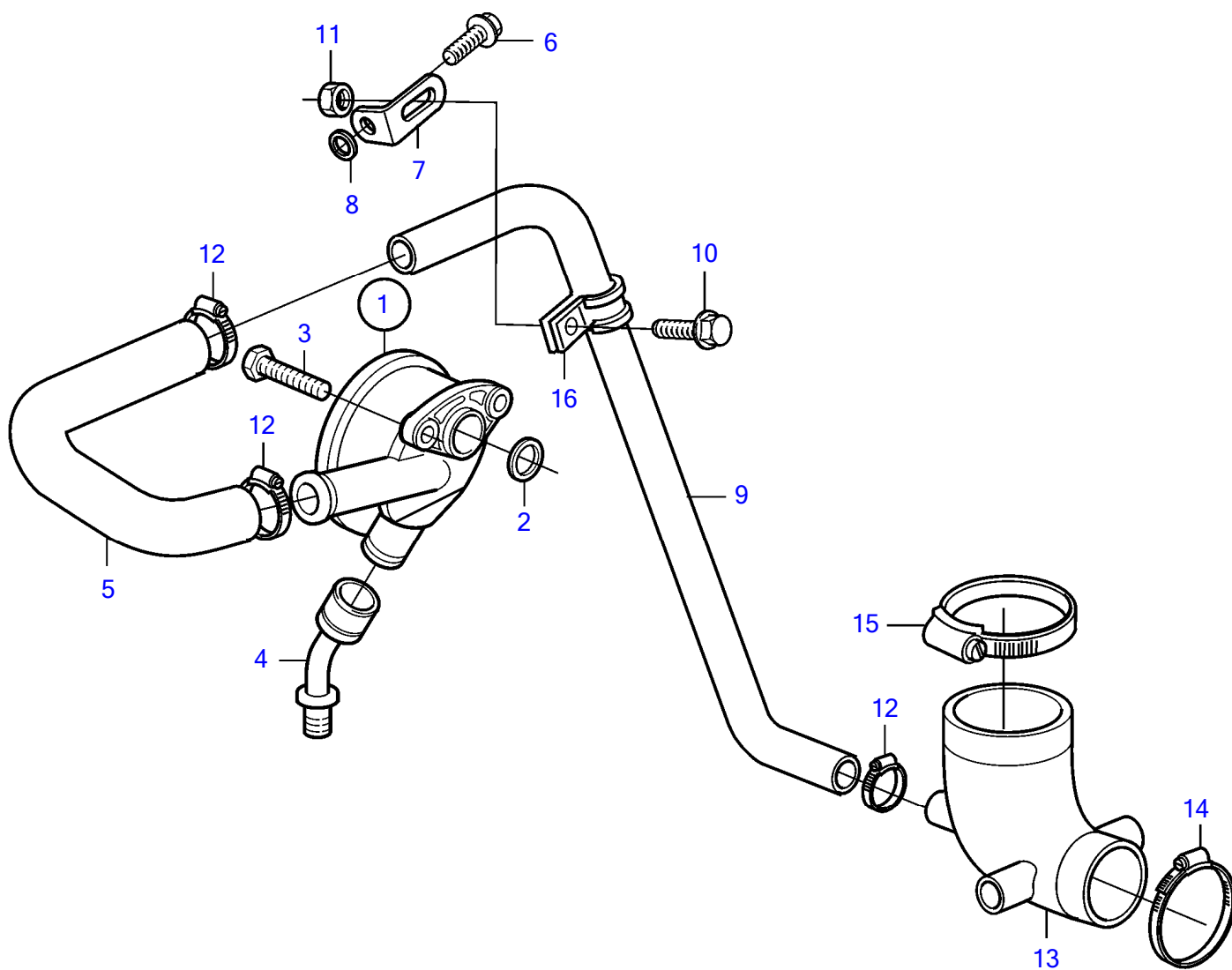
Ref	Part No.	Qty	Description
1	20412322	1	Oil separator
2	20405943	1	• Gasket
3	20450728	2	Flange screw
4	20405938	1	Hose connection
5	20513342	1	Hose clamp
6	21069639	1	Rubber hose
7	20451002	1	Clamp
8	20405792	1	Flange screw



21988

**25 Crankcase Ventilation. Low Mounted Turbo. Exhaust Outlet Front. Stage 1, Tier 1:
With air filter
TD520GE**

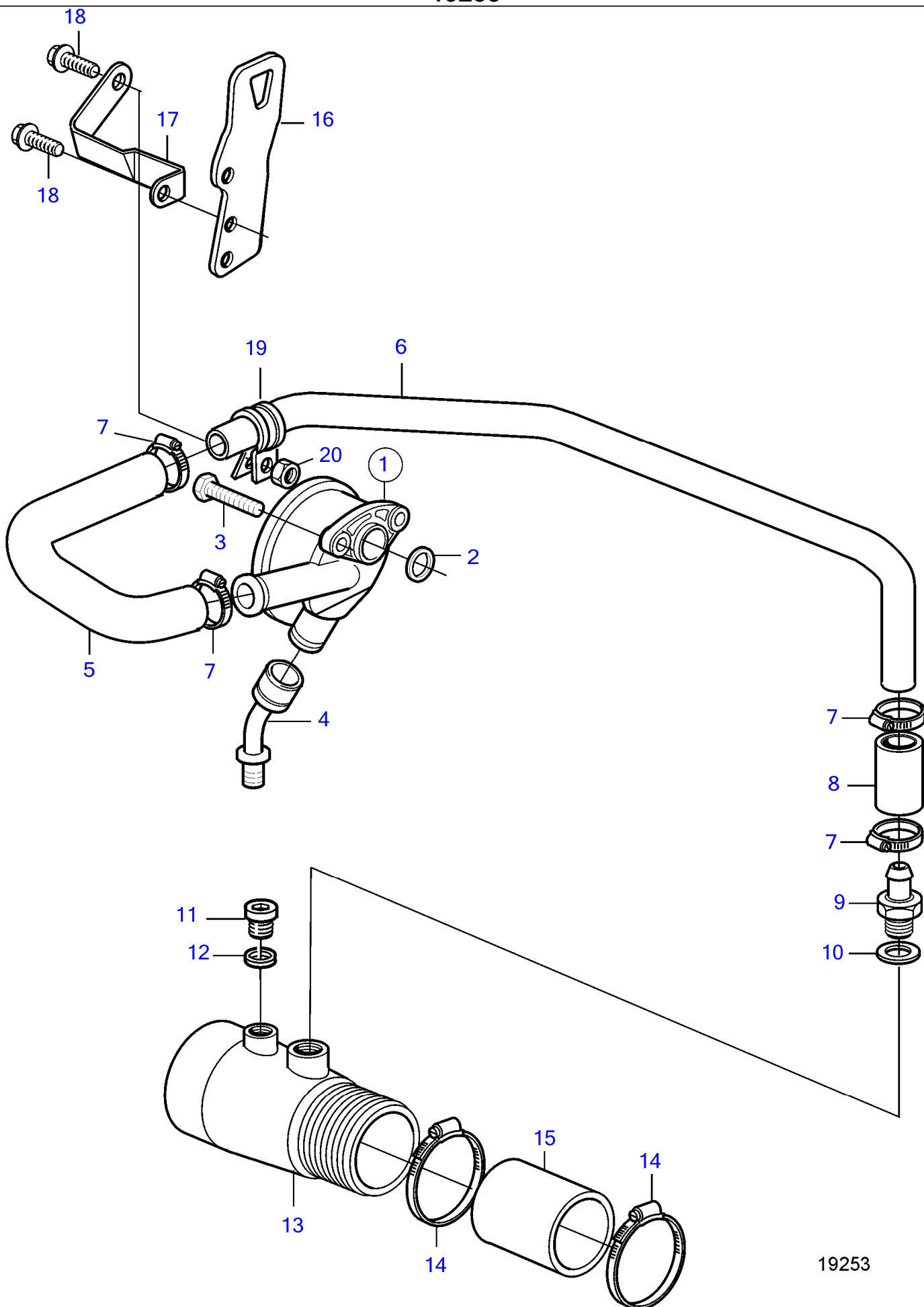
Ref	Part No.	Qty	Description	Notes
1	20405626	1	Oil separator	
2	20405627	1	• Gasket	
3	20450728	2	Flange screw	
4	20405625	1	Conduit coupling	
5	20405629	1	Hose	
6	984734	2	Flange screw	
7	20459260	1	Bracket	
8	20405630	1	Breather pipe	
9	990940	1	Flange nut	
10	20405755	3	Hose clamp	
11	20405930	1	Manifold	For air filter.
12	20412420	1	Hose clamp	
13	20405532	1	Clamp	



19250

25 Crankcase Ventilation. Low Mounted Turbo. Exhaust Outlet Front. Stage 1, Tier 1:
Without air filter
TD520GE

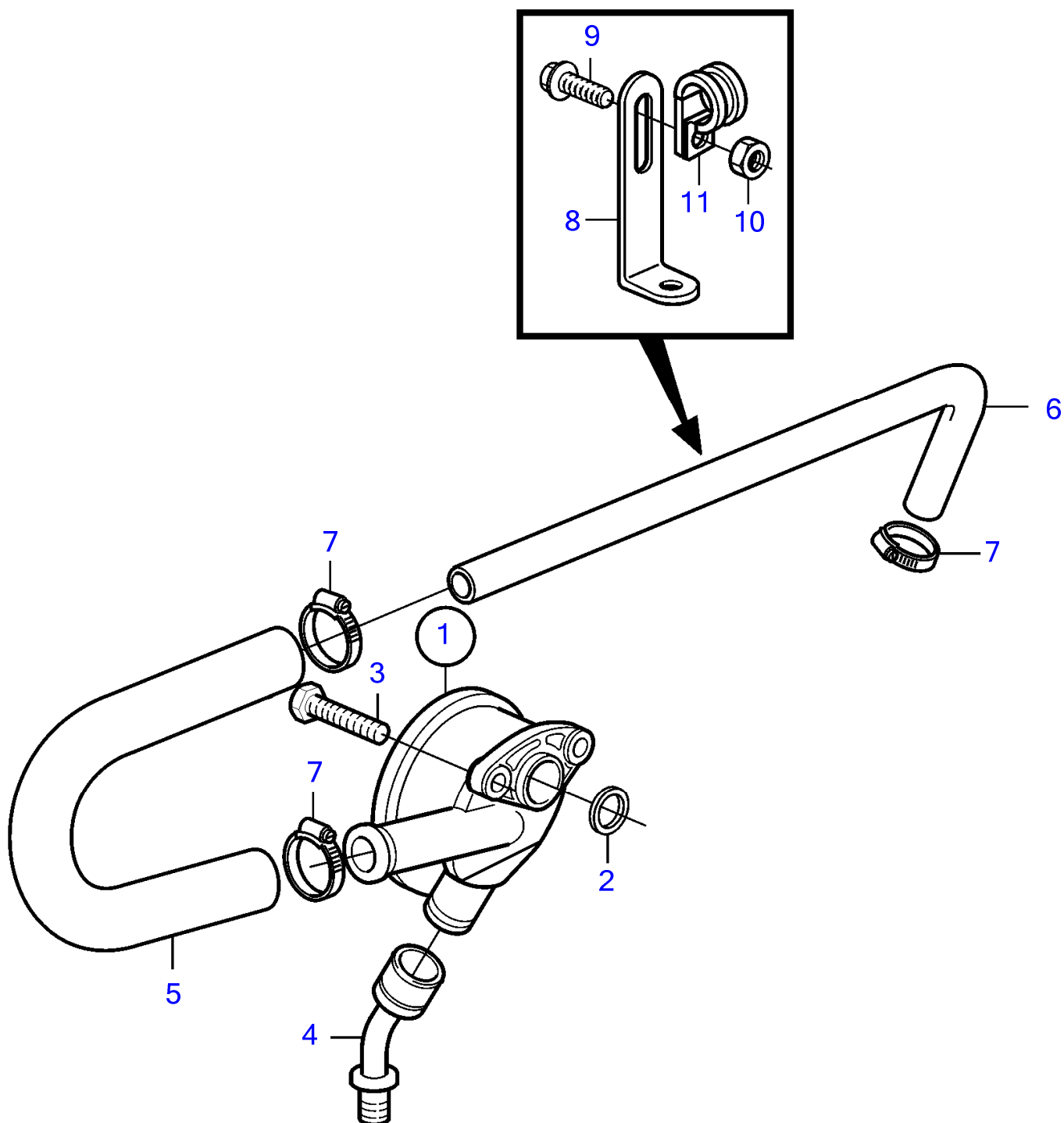
Ref	Part No.	Qty	Description	Notes
1	20405626	1	Oil separator	
2	20405627	1	• Gasket	
3	20450728	2	Flange screw	
4	20405625	1	Conduit coupling	
5	20405629	1	Hose	
6	984735	1	Flange screw	(20441520)
7	20450726	1	Bracket	
8	20460226	1	Washer	
9	20405630	1	Breather pipe	
10	984734	1	Flange screw	
11	990940	1	Flange nut	
12	20405755	3	Hose clamp	
13	20476065	1	Manifold	Without air filter.
14	20412420	1	Hose clamp	
15	20412379	1	Hose clamp	
16	20405532	1	Clamp	



19253

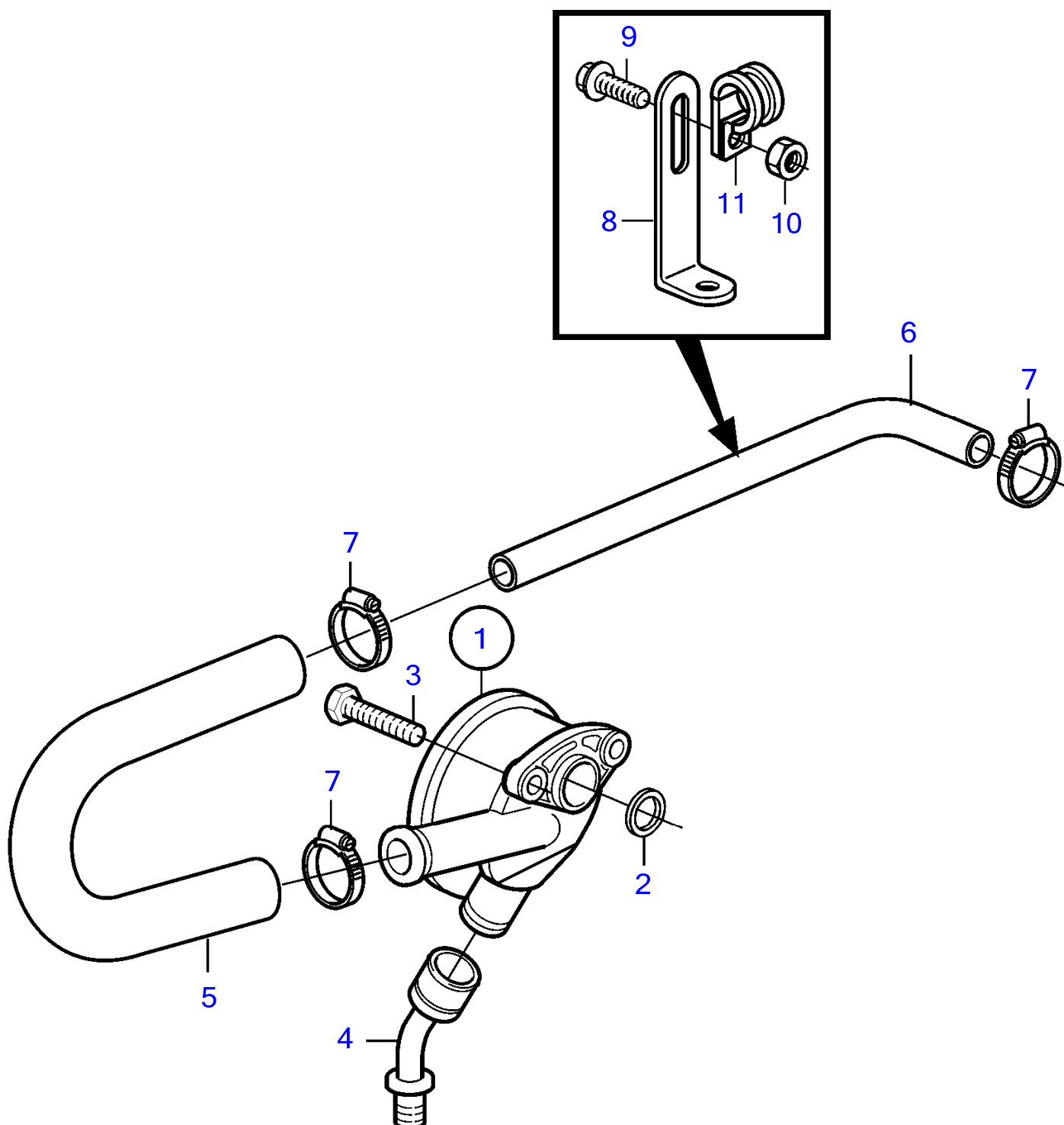
**25 Crankcase Ventilation. Low Mounted Turbo. Exhaust Outlet Front. Stage 1, Tier 1:
Without air filter
TD720GE**

Ref	Part No.	Qty	Description	Notes
1	20412322	1	Oil separator	
2	20405943	1	• Gasket	
3	20450728	1	Flange screw	
4	20405938	1	Hose connection	
5	20405629	1	Hose	
6	20460391	1	Breather pipe	
7	20405755	4	Hose clamp	
8	20460395	1	Adapter	
9	20460390	1	Coupling piece	
10	20460389	1	Sealing ring	
11	20459195	1	Plug	
12	947628	1	Gasket	
13	20460461	1	Connector	Without air filter.
14	943482	2	Hose clamp	
15	20460462	1	Connection sleeve	
16		1	Lift iron	
17	20460392	1	Bracket	
18	984735	2	Flange screw	(20441520)
19	20405532	1	Clamp	
20	990940	1	Flange nut	



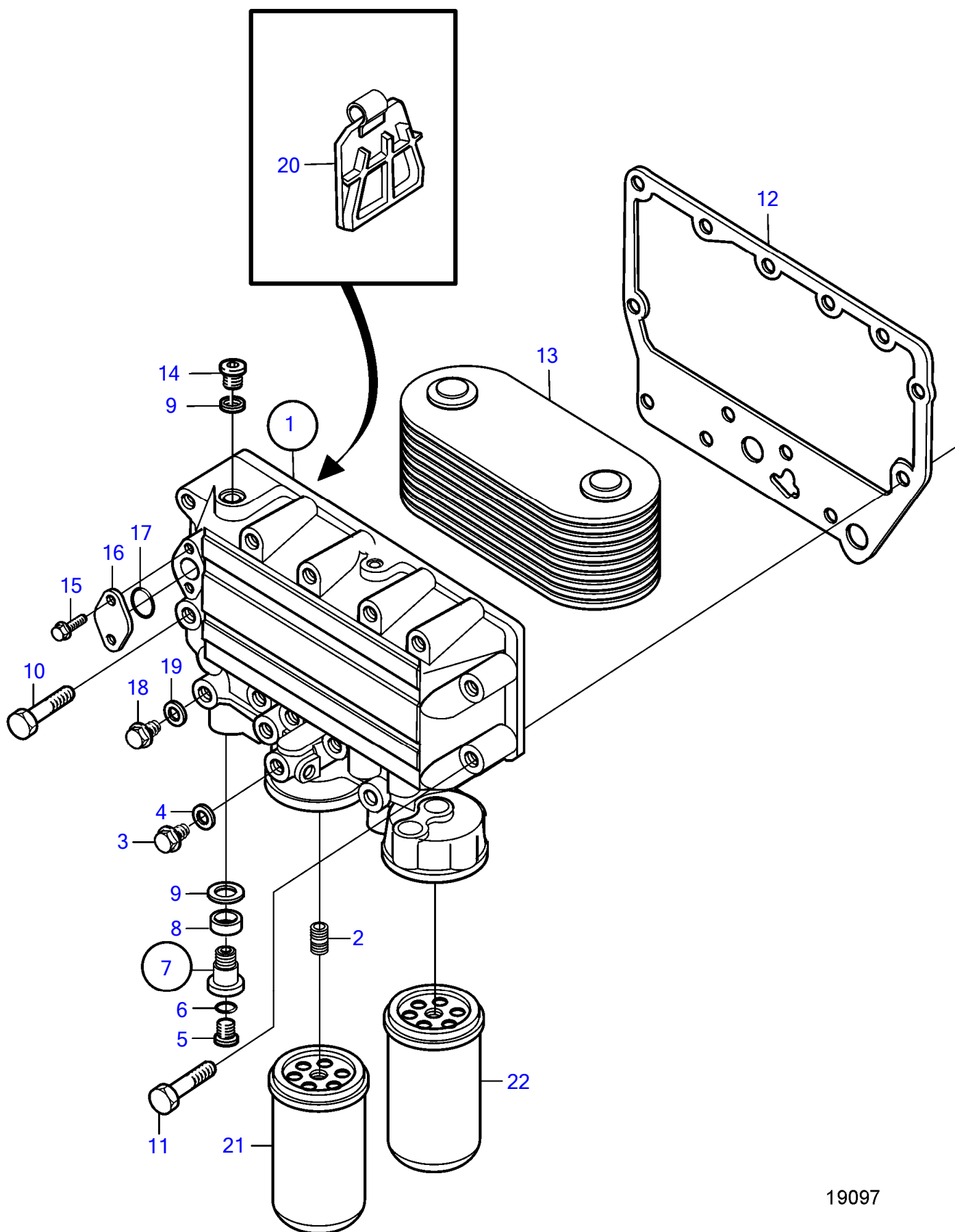
21998

Ref	Part No.	Qty	Description
1	20412322	1	Oil separator
2	20405943	1	• Gasket
3	20450728	2	Flange screw
4	20405938	1	Hose connection
5	20405629	1	Hose
6	20701279	1	Pipe, crankcase vent.
7	20405755	3	Hose clamp
8	20412328	1	Bracket
9	984734	1	Flange screw
10	990940	1	Flange nut
11	20405532	1	Clamp



**25 Crankcase Ventilation. Low Mounted Turbo. Exhaust Outlet Front: With air filter
TD720GE**

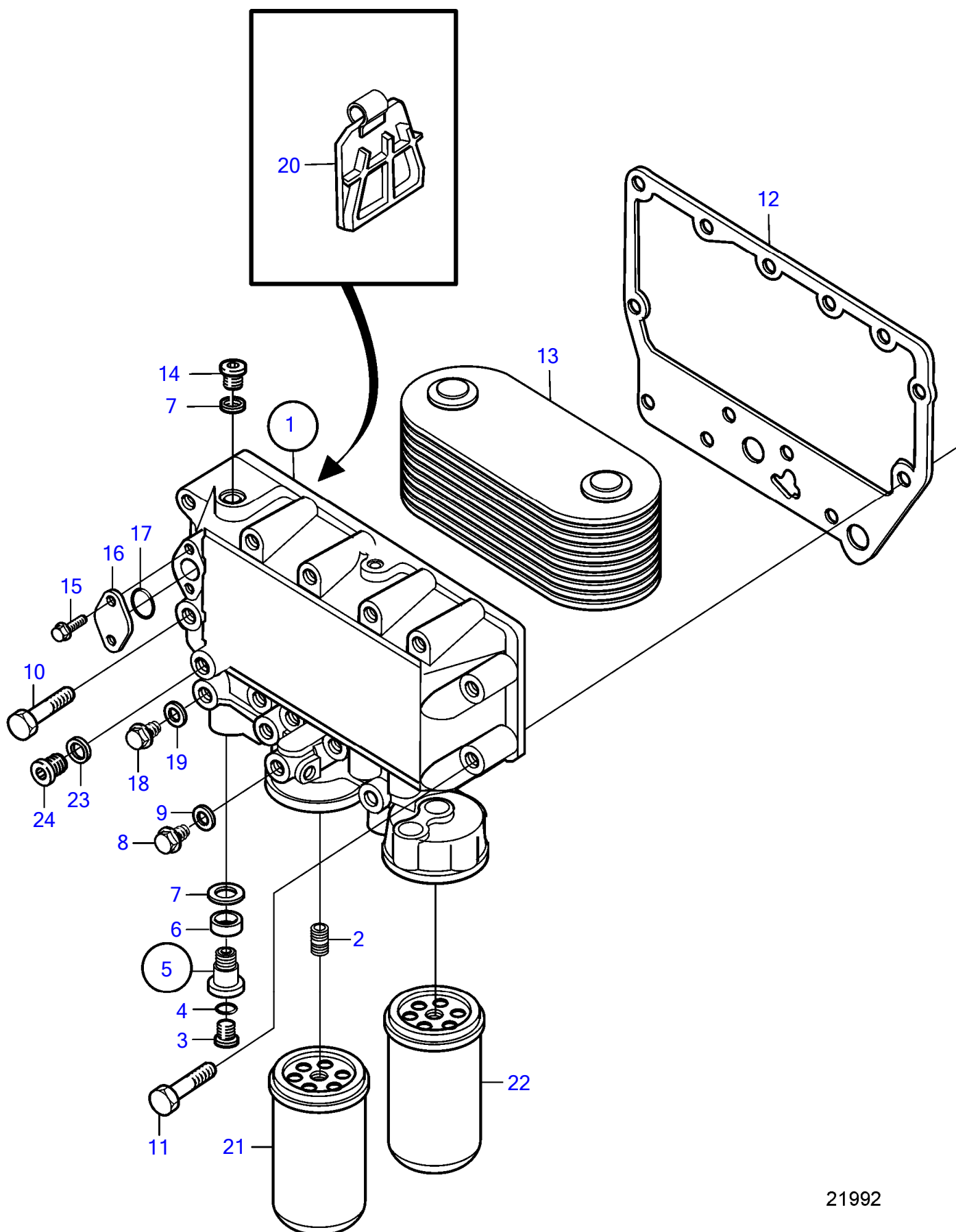
Ref	Part No.	Qty	Description
1	20412322	1	Oil separator
2	20405943	1	• Gasket
3	20450728	2	Flange screw
4	20405938	1	Hose connection
5	20405629	1	Hose
6	20886201	1	Pipe, crankcase vent.
7	20405755	3	Hose clamp
8	20412328	1	Bracket
9	984734	1	Flange screw
10	990940	1	Flange nut
11	20405532	1	Clamp



26 Oil Cooler and Oil Filter

TAD530GE, TAD531GE, TAD532GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE

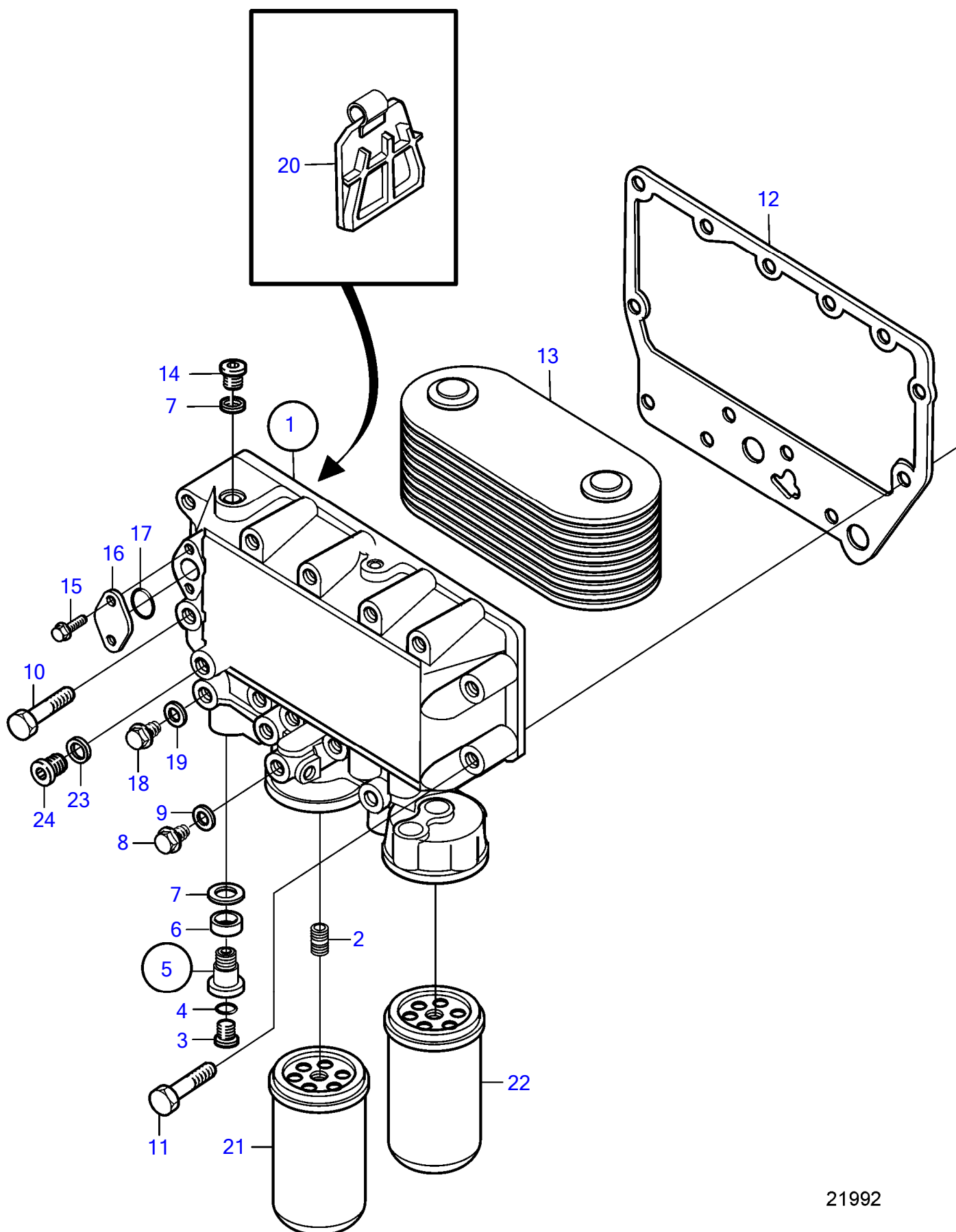
Ref	Part No.	Qty	Description	Notes
1	20797236	1	Oil cooler	
2	20405758	1	• Bushing	
3	960628	1	• Plug	
4	947281	1	• Gasket	
5	966147	2	Plug	
6	20405578	2	O-ring	
7	20405752	2	Screw	
8	20405569	2	• Sealing ring	
9	957189	4	Gasket	
10	20405917	10	Flange screw	L=80mm
11	973924	3	Flange screw	L=50mm
12	20405747	1	Gasket	
13	20715675	1	Oil cooler	TAD530GE, TAD531GE, TAD532GE
	20715681	1	Oil cooler	TAD730GE, TAD731GE
	20715681	1	Oil cooler	TAD732GE, TAD733GE
14	20459195	2	Plug	
15	965215	2	Flange screw	
16	11700609	1	Flange	
17	20405599	1	O-ring	
18	20450891	1	Plug	
19	957181	1	Gasket	
20	20405744	1	Valve	
21	3831236	1	Oil filter	
			• Bulletin P-18-3-11	QUANT PAC of Maintenance parts
22		1	Fuel filter	TAD530GE, TAD531GE, TAD532GE
		1	Fuel filter	TAD730GE, TAD731GE
		1	Fuel filter	TAD732GE, TAD733GE



21992

**26 Oil Cooler and Oil Filter SN-5301099356
TD520GE**

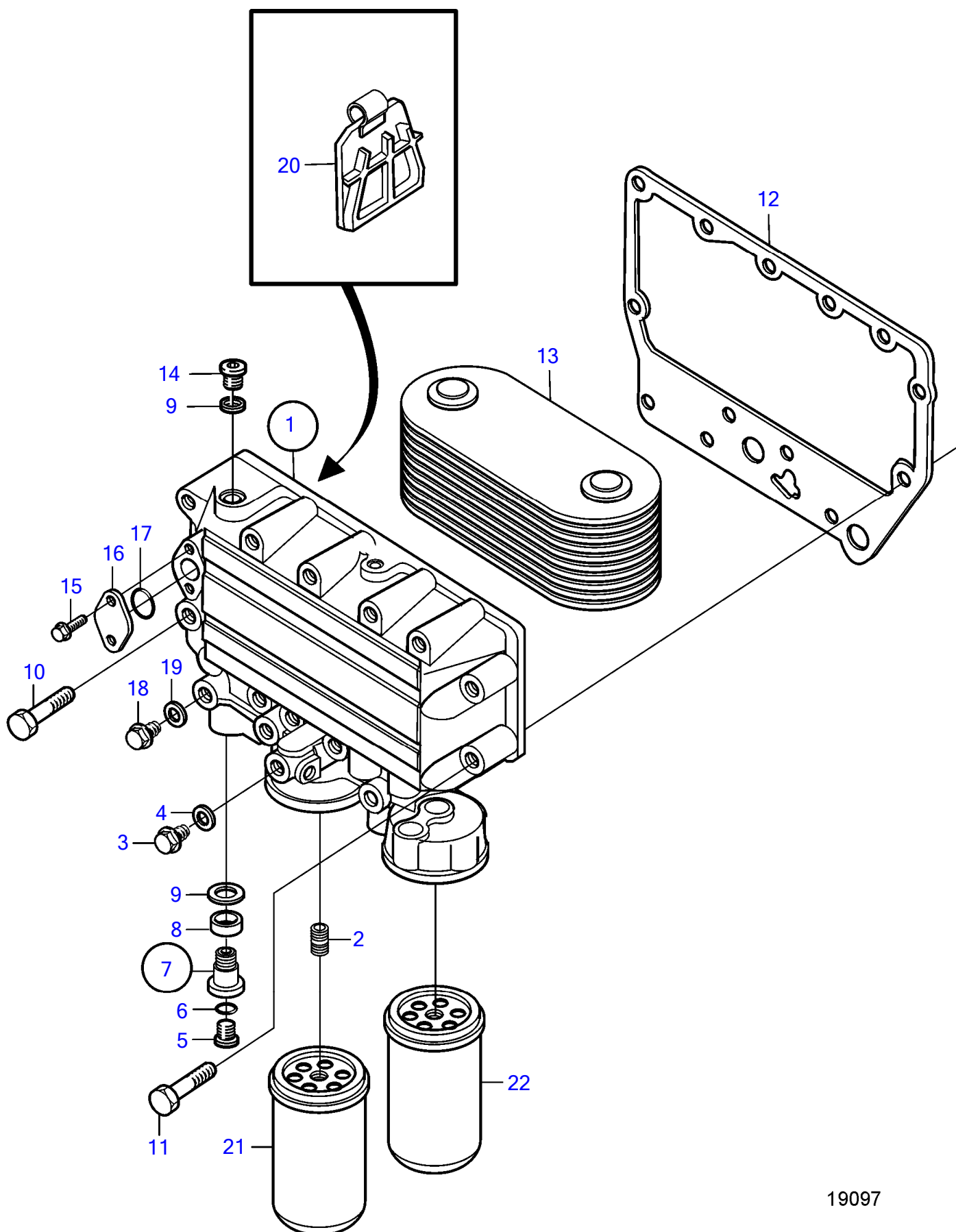
Ref	Part No.	Qty	Description	Notes
1	20485258	1	Housing	SN-5301099356
2	20405752	1	• Screw	
3	20549897	1	• Plug	
4	20405578	1	• O-ring	
5	20405752	2	• Screw	
6	20405569	2	• • Sealing ring	
7	20549895	1	Gasket	
8	20450895	1	• Plug	
9	947281	1	Gasket	
10	20405917	10	Flange screw	
11	973924	3	Flange screw	L=80mm L=50mm
12	20405747	1	Gasket	
13	20715675	1	Oil cooler	
14	20459195	2	Plug	
15	965215	2	Flange screw	
16	11700609	1	Flange	
17	20405599	1	O-ring	
18	20450891	1	Plug	
19	957181	1	Gasket	
20	20405744	1	Valve	
21	3831236	1	Oil filter	
			• Bulletin P-18-3-11	QUANT PAC of Maintenance parts
22		1	Fuel filter	
23	957181	1	Gasket	(20450890)
24	888474	1	Plug	



21992

**26 Oil Cooler and Oil Filter SN-5301099356
TD720GE**

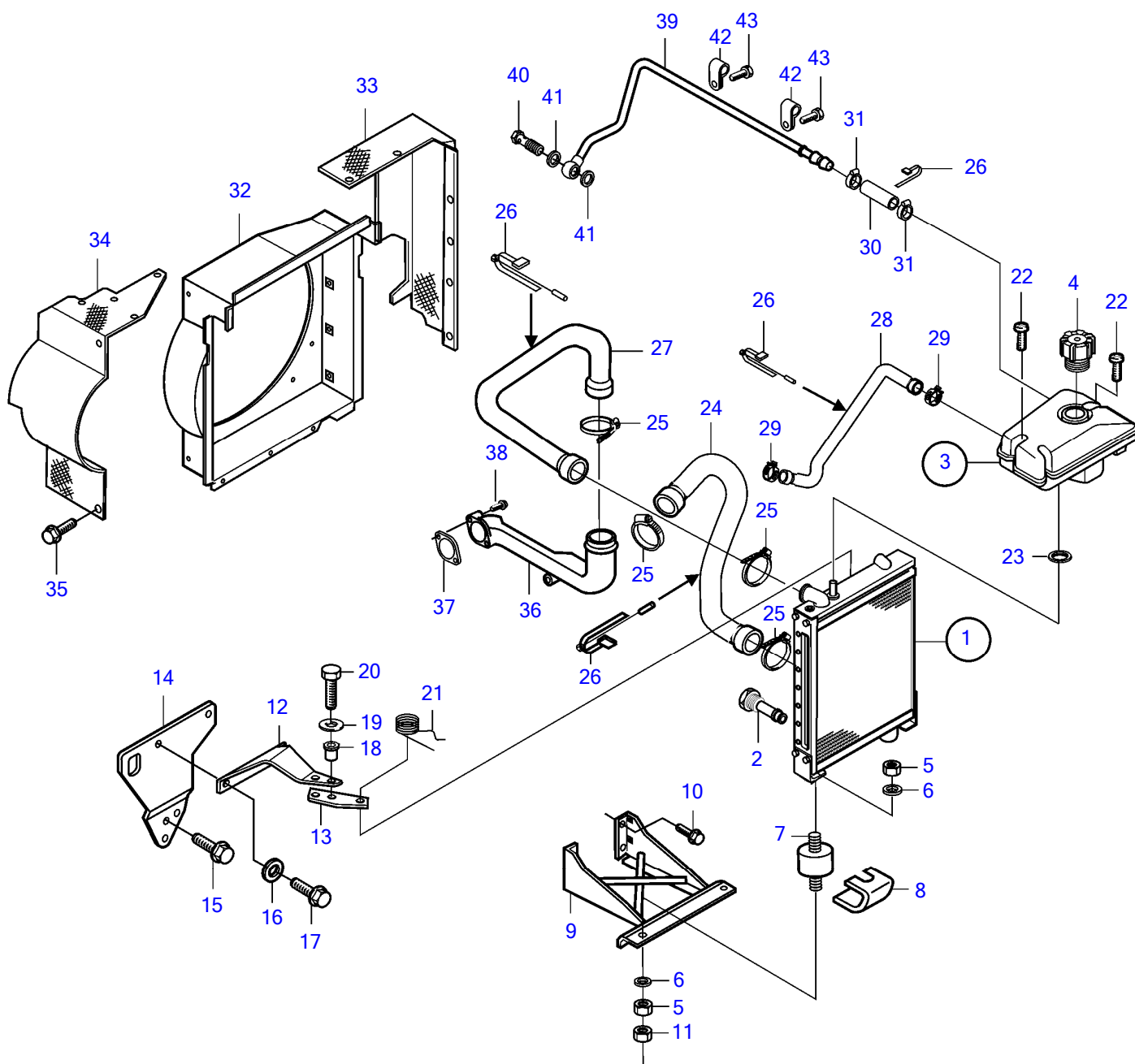
Ref	Part No.	Qty	Description	Notes
1	20485258	1	Housing	SN-5301099356
2	20405752	1	• Screw	
3	20549897	1	• Plug	
4	20405578	1	• O-ring	
5	20405752	2	• Screw	
6	20405569	2	• • Sealing ring	
7	20549895	1	Gasket	
8	20450895	1	• Plug	
9	947281	1	Gasket	
10	20405917	10	Flange screw	
11	973924	3	Flange screw	L=80mm L=50mm
12	20405747	1	Gasket	
13	20715679	1	Oil cooler	
14	20459195	2	Plug	
15	965215	2	Flange screw	
16	11700609	1	Flange	
17	20405599	1	O-ring	
18	20450891	1	Plug	
19	957181	1	Gasket	
20	20405744	1	Valve	
21	3831236	1	Oil filter	
			• Bulletin P-18-3-11	QUANT PAC of Maintenance parts
22		1	Fuel filter	
23	957181	1	Gasket	(20450890)
24	888474	1	Plug	



19097

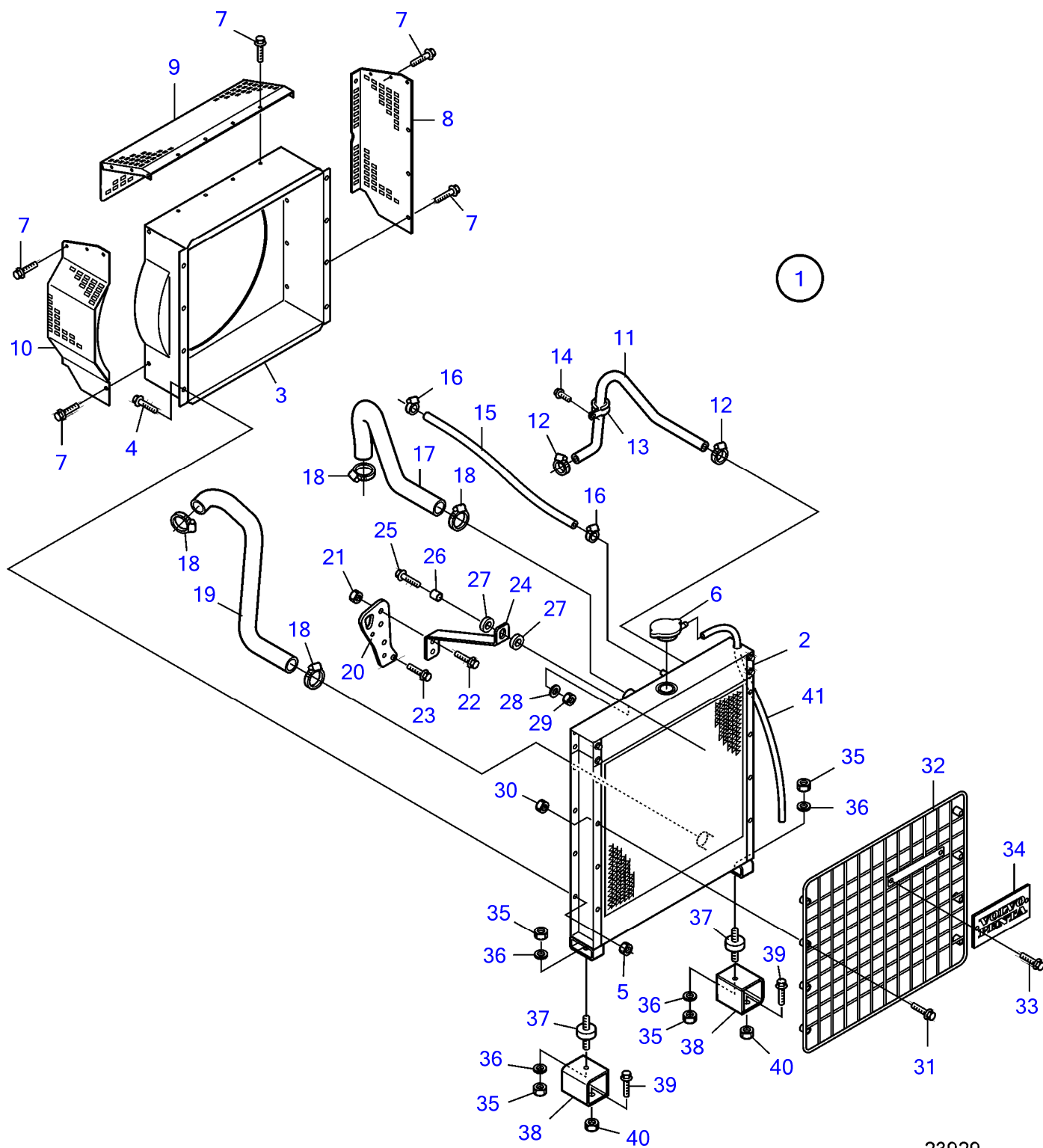
**26 Oil Cooler and Oil Filter SN5301099357-
TD520GE, TD720GE**

Ref	Part No.	Qty	Description	Notes
1	20797236	1	Oil cooler	SN5301099357-
2	20405758	1	• Bushing	
3	960628	1	• Plug	
4	947281	1	• Gasket	
5	966147	2	Plug	
6	20405578	2	O-ring	
7	20405752	2	Screw	
8	20405569	2	• Sealing ring	
9	957189	4	Gasket	
10	20405917	10	Flange screw	L=80mm
11	973924	3	Flange screw	L=50mm
12	20405747	1	Gasket	
13	20715675	1	Oil cooler	TD520GE, TAD520GE
	20715679	1	Oil cooler	TD720GE
	20715681	1	Oil cooler	TAD720GE
	20715681	1	Oil cooler	TAD721GE, TAD722GE
14	20459195	2	Plug	
15	965215	2	Flange screw	
16	11700609	1	Flange	
17	20405599	1	O-ring	
18	20450891	1	Plug	
19	957181	1	Gasket	
20	20405744	1	Valve	
21	3831236	1	Oil filter	
			• Bulletin P-18-3-11	QUANT PAC of Maintenance parts
22		1	Fuel filter	TD520GE, TAD520GE
		1	Fuel filter	TD720GE, TAD720GE
		1	Fuel filter	



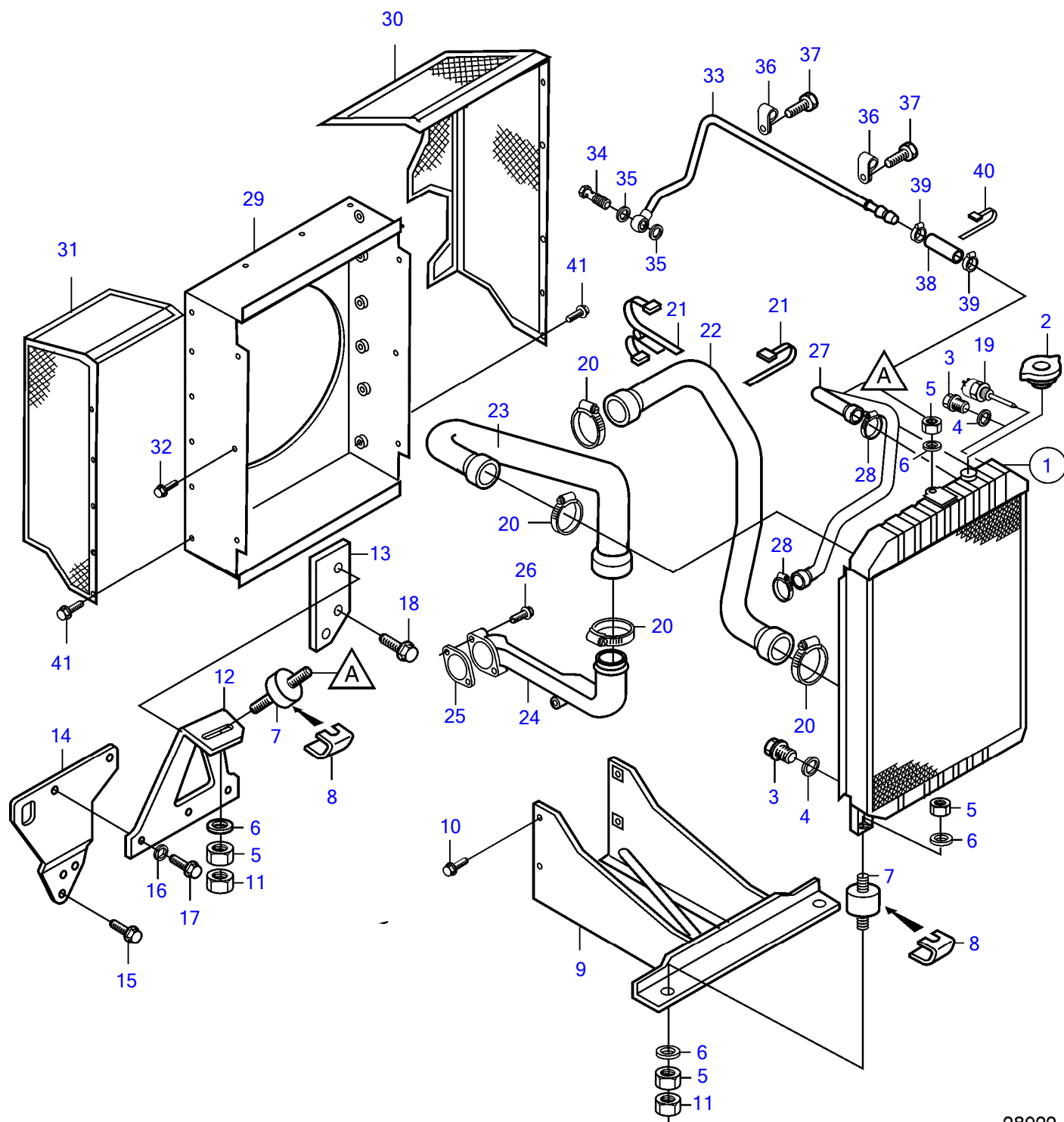
21712

Ref	Part No.	Qty	Description	Notes
1	20405670	1	Radiator	
2	20412269	1	• Plug	
3	20845189	1	Expansion tank	(20531427)
4	20412329	1	• Filler cap	
5	20501349	4	Hexagon nut	
6	60112196	6	Washer	
7	20405749	2	Vibration damper	
8	20405667	2	Bracket	
9	20555362	1	Bracket	
10	20459156	2	Hexagon screw	
11	20405768	2	Hexagon nut	
12	20405673	1	Bracket	
13	20405676	1	Rear section	
14	20405807	1	Plate	
15	970947	3	Hexagon screw	
16	20549890	2	Washer	
17	970944	2	Hexagon screw	
18	20405668	1	Bushing	
19	20551709	2	Washer	
20	20551710	2	Screw	
21	20405855	1	Spring pin	
22	20412307	3	Screw	
23	20412319	1	Sealing ring	
24	20412291	1	Coolant pipe	
25	943480	4	Hose clamp	
26	948211	4	Cable tie	
27	20405657	1	Coolant pipe	
28	20405662	1	Balance	
29	20405755	2	Hose clamp	
30	20405745	1	Hose	
31	948211	2	Cable tie	
32	20405671	1	Fan shroud	
33	21267757	1	Grating	
34	20405812	1	Fan protector	
35	20405792	10	Flange screw	
36	20405697	1	Water pipe	
37	20412341	1	Gasket	
38	973924	3	Flange screw	(20405672)
39	20405699	1	Pipe	(20460415)
40	980973	1	Hollow screw	
41	947281	2	Gasket	(20459008)
42	20405730	2	Clamp	
43	967949	2	Flange screw	(20405729)

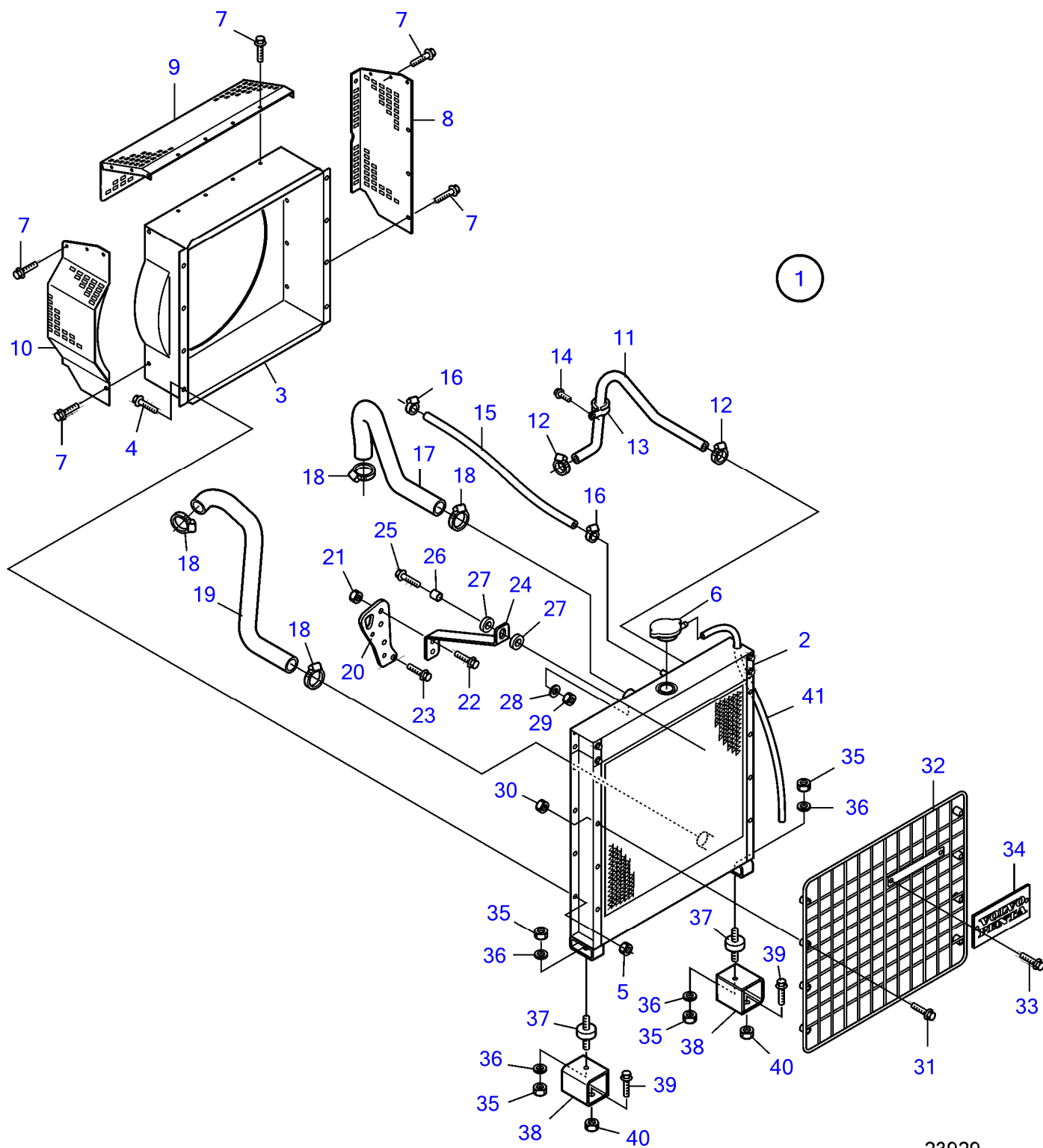


23929

Ref	Part No.	Qty	Description	Notes
1	3812975	1	Radiator	
			• Bulletin P-26-1-2	Spare Parts for Radiator Package
2	(3809054)	1	• Cooling package	Obsolete part
3	3812976	1	• Fan shroud	
4	984734	2	• Flange screw	M8X20
5	990940	2	• Flange nut	
6	21115452	1	• Filler cap	
7	967949	15	Flange screw	M6x12mm
8	3809299	1	Belt protector, left	
9	3809293	1	Belt protector, upper	
10	3818713	1	Belt protector, right	
11	3809318	1	Hose	
12	994559	2	Hose clamp	
13	949997	1	Clamp	
14	984725	1	Flange screw	
15	980376	1	Rubber hose	
16	943471	2	Hose clamp	
17	3809282	1	Cooling hose	
18	943479	4	Hose clamp	
19	3809289	1	Cooling hose	
20	3809306	1	Bracket	
21	990941	2	Flange nut, m10	
22	984753	2	Flange screw	M10X25
23	970947	3	Hexagon screw	
24	3809291	1	Stay	
25	968297	1	Flange screw	M16X60
26	3812681	1	Bushing	
27	866857	2	Rubber bushing	
28	191940	1	Washer	
29	966818	1	Flange nut	
30	990940	8	Flange nut	
31	994385	8	Flange screw	M8x45mm
32	3812281	1	Radiator protector	
33	941651	2	Cross recessed sunk	M4x16
34	846118	1	Emblem	
35	990941	4	Flange nut	M10
36		4	Washer	
37	20405749	2	Vibration damper	
38	3812278	2	Support	
39	968435	4	Flange screw	M16X30
40	966818	4	Flange nut	
41		1	Air hose	



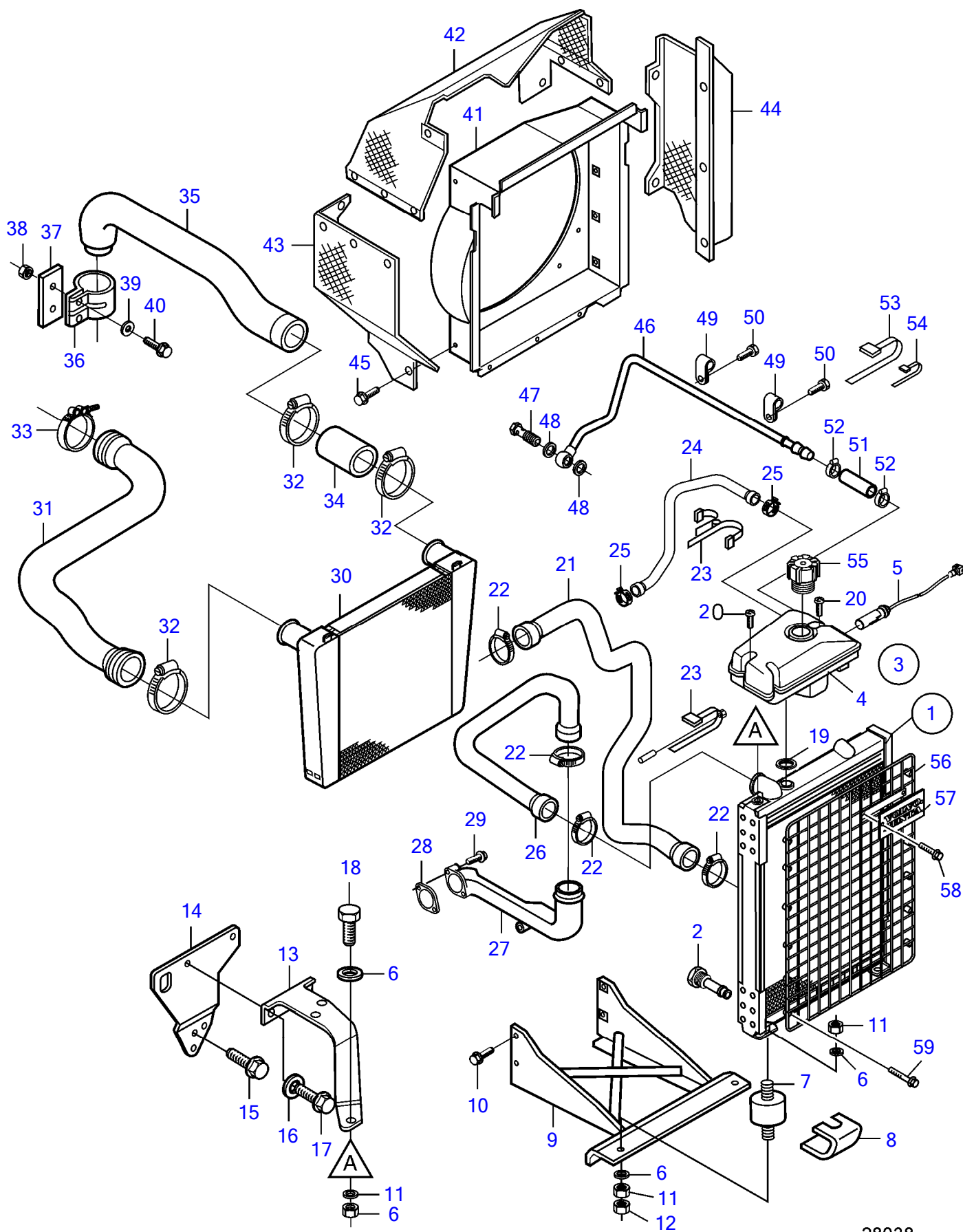
Ref	Part No.	Qty	Description	Notes
1	20412366	1	Radiator	
	20797530	1	Radiator	(20412366)
	20796115	1	Cooling package	(20797530)
2	20412281	1	• Radiator cap	
3	20412266	4	• Plug	
4	969011	4	• Gasket	
5	971071	6	Hexagon nut	
6	20551749	6	Washer	
7	20405749	3	Vibration damper	
8	20405667	3	Bracket	
9	20412287	1	Bracket	
10	20459156	4	Hexagon screw	
11	20405765	3	Hexagon nut	
12	20412310	1	Bracket	
13	20412349	1	Base plate	
14	20405807	1	Plate	
15	970947	3	Hexagon screw	
16	20549890	2	Washer	
17	970944	2	Hexagon screw	
18	970947	2	Hexagon screw	
19		1	Level sensor	
20	943480	4	Hose clamp	
21	948211	5	Cable tie	
22	20412291	1	Coolant pipe	
23	20412292	1	Coolant pipe	
24	20412342	1	Pipe	
25	20412341	1	Gasket	
26	973924	3	Flange screw	(20405672)
27	20412293	1	Coolant pipe	
28	20405755	2	Hose clamp	
29	20412365	1	Fan shroud	
30	20412285	1	Fan protector	
31	20412284	1	Fan protector	
32	20405898	13	Flange screw	
33	20539676	1	Pipe	(20417379)
34	980973	1	Hollow screw	
35	947281	2	Gasket	(20459008)
36	20405730	3	Clamp	
37	967949	3	Flange screw	(20405729)
38	20405745	1	Hose	
39	943471	2	Hose clamp	
40	20702947	1	Cable clamp	
41	20405792	13	Flange screw	



23929

Ref	Part No.	Qty	Description	Notes
1	3812978	1	Radiator	
			• Bulletin P-26-1-2	Spare Parts for Radiator Package
2	3808951	1	• Radiator	
3			• Fan shroud	
4	984734	2	• Flange screw	M8X20
5	990940	2	• Flange nut	
6	21115452	1	• Filler cap	
7	967949	15	Flange screw	M6x12mm
8	3809299	1	Belt protector, left	
9	3809253	1	Belt protector, upper	
10	3809251	1	Belt protector, right	
11	3809214	1	Hose	
12	994559	2	Hose clamp	
13	949997	1	Clamp	
14	984725	1	Flange screw	
15	949564	1	Rubber hose	
16	943471	2	Hose clamp	
17	3809209	1	Cooling hose	
18	943479	4	Hose clamp	
19	3809212	1	Cooling hose	
20	3809306	1	Bracket	
21	990941	2	Flange nut, m10	
22	984753	2	Flange screw	M10X25
23	970947	3	Hexagon screw	
24	3809219	1	Stay	
25	968297	1	Flange screw	M16X60
26	3812681	1	Bushing	
27	866857	2	Rubber bushing	
28	191940	1	Washer	
29	966818	1	Flange nut	
30	990940	8	Flange nut	
31	994385	8	Flange screw	M8x45mm
32	3812282	1	Radiator protector	
33	941651	2	Cross recessed sunk	M4x16
34	846118	1	Emblem	
35	990941	4	Flange nut	M10
36		4	Washer	
37	20405749	2	Vibration damper	
38	3808972	2	Support	
39	968435	4	Flange screw	M16X30
40	966818	4	Flange nut	
41		1	Air hose	

TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE,
TAD732GE, TAD733GE, TAD530GE MECH, TAD530GE EDC4, TAD531GE M
28038

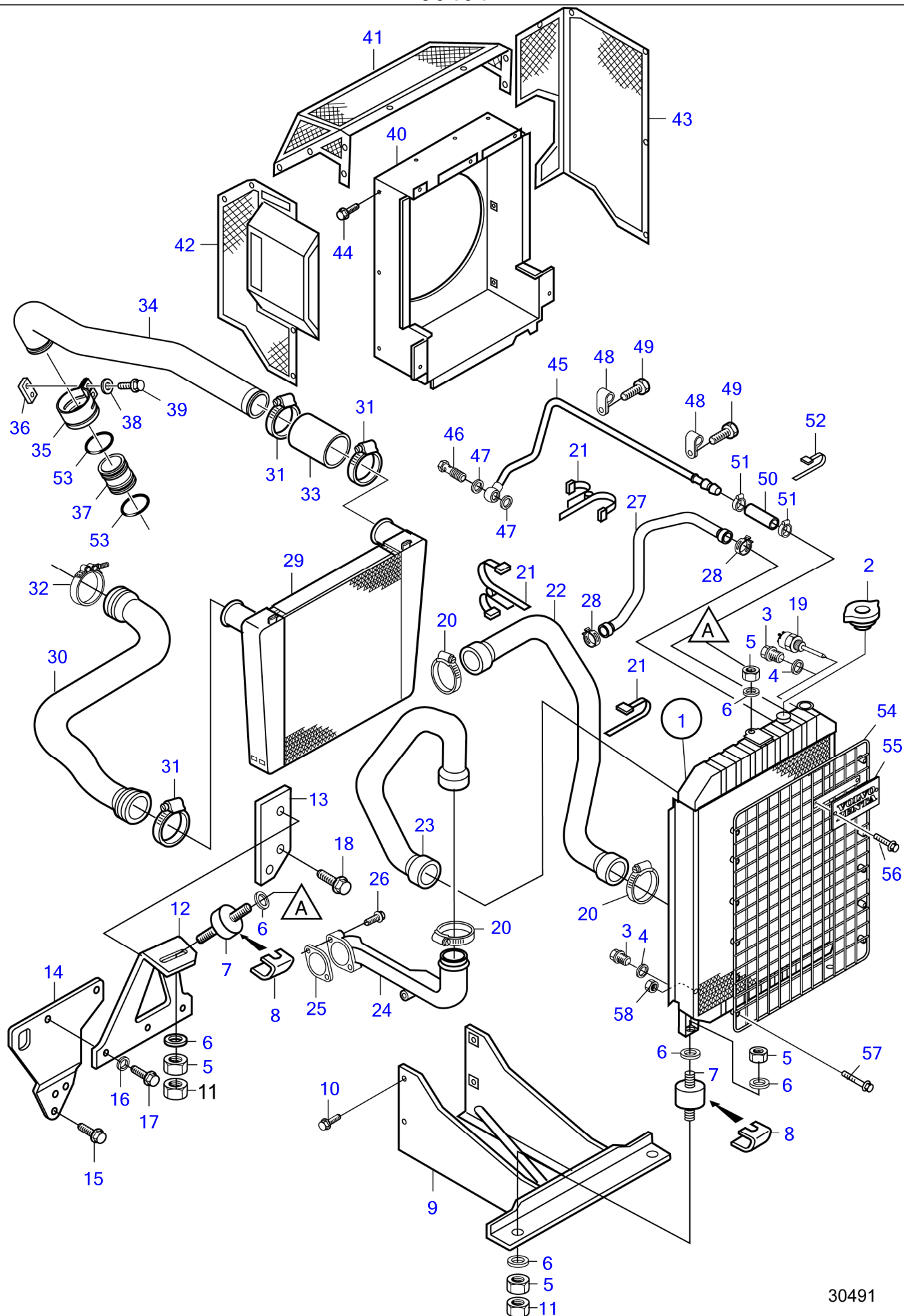


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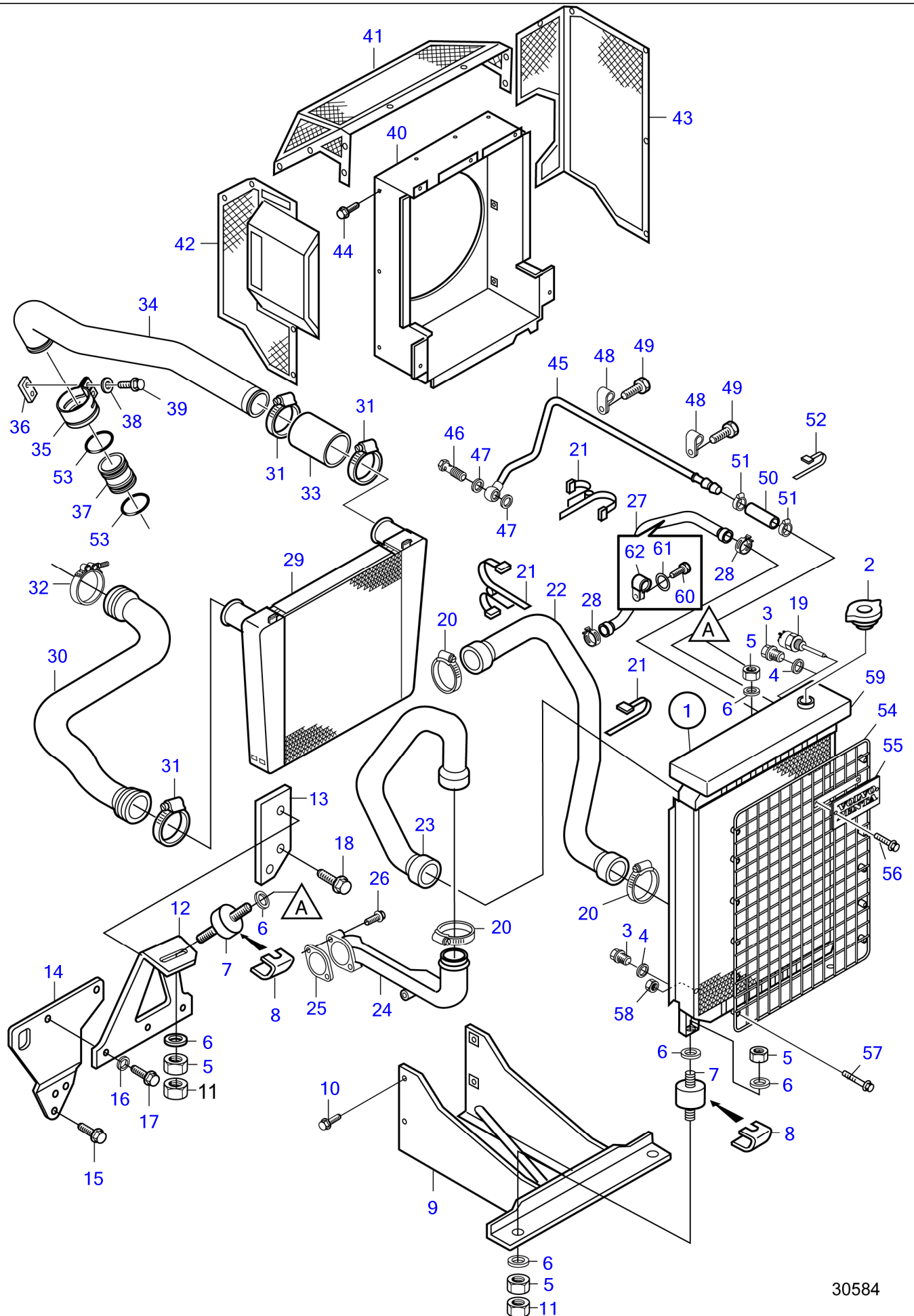
26 Cooling System SN-5311756339
TAD530GE, TAD531GE

Ref	Part No.	Qty	Description	Notes
1	20412320	1	Radiator	SN-5310647010, Copper
	21266489	1	Radiator	Copper, Replaced by 22705939, SN5310647011-5311756339
	22705939	1	Radiator	Aluminum, SN5311756340-
2	20412269	1	• Plug	
3	20845189	1	Expansion tank	
4	20531428	1	• Expansion tank	Replaced by 20531427
	20531427	1	• Expansion tank	SN-5301098271
	20845189	1	• Expansion tank	SN5301098272-
5	20531429	1	• Level sensor	SN-5301098271
	20824642	1	• Level sensor	SN5301098272-
6	20551749	8	Washer	
7	20405749	2	Vibration damper	
8	20405667	2	Bracket	
	21585297	1	Bracket	Produced in China
9	20555363	1	Bracket	
10	20459156	4	Hexagon screw	
11	971071	4	Hexagon nut	
12	20405765	3	Hexagon nut	
13	20412334	1	Bracket	
14	20405807	1	Plate	
15	970947	3	Hexagon screw	
16	20549890	2	Washer	
17	984751	2	Flange screw	
18	20511231	1	Screw	
19	20412319	1	Sealing ring	
20	20551502	3	Screw	
21	20412279	1	Coolant pipe	
22	943480	4	Hose clamp	
23	948211	6	Cable tie	
24	20412280	1	Balance	
25	20405755	2	Hose clamp	
26	20412278	1	Coolant pipe	
27	20405697	1	Water pipe	
28	20412341	1	Gasket	
29	973924	3	Flange screw	(20405672)
30	20405950	1	Charge air cooler	SN-5310647010
	21266497	1	Radiator	SN5310647011-
31	20555354	1	Charge air pipe, Hose	To inlet., With Starting Aid
	20412423	1	Charge air pipe	To inlet., Without Starting Aid
32	20768688	3	Hose clamp	
33		1	Strip clamp	Alt 20524142
34	20405738	1	Rubber hose	Replaced by 21043589
	21043589	1	Sleeve	
35	20563697	1	Charge air pipe	From turbo, With Starting Aid
	20412421	1	Charge air pipe	From turbo, Without Starting Aid, Replaced by 23025295
	23025295	1	Charge air pipe	From turbo, Without Starting Aid
36	20405935	1	Exhaust pipe clamp	
37	20405952	1	Retainer	Replaced by 21040679
	21040679	1	Retainer	
38	20501349	2	Hexagon nut	
39	20405734	2	Washer	
40	20405504	2	Flange screw	
41	20405882	1	Fan shroud, normal climate	SN-5310413056
	21266512	1	Fan shroud, normal climate	SN5310413057-
	20412321	1	Fan shroud, hot climate	SN-5310647010
	21266511	1	Fan shroud, hot climate	SN5310647011-
42	20412378	1	Fan protector, upper	
43	20412355	1	Fan protector, right	
44	20412354	1	Fan protector, left	
45	20405792	14	Flange screw	
46	20405699	1	Pipe	(20460415)
47	980973	1	Hollow screw	
48	947281	2	Gasket	(20459008)
49	20405730	2	Clamp	
50	967949	2	Flange screw	(20405729)
51	20405745	1	Hose	
52	943471	2	Hose clamp	
53	20702947	1	Cable clamp	L=295mm
54	20513984	2	Cable tie	L=160mm
55	20412329	1	Filler cap	Replaced by 20585486

Ref	Part No.	Qty	Description	Notes
	20585486	1	Cap	
56	21584703	1	Radiator protector	TD520GE, TAD530GE
	21145391	1	Radiator protector	TAD530GE, TAD531GE
57	846118	1	Emblem	
58	941651	2	Cross recessed sunk	
59	948217	6	Flange screw	

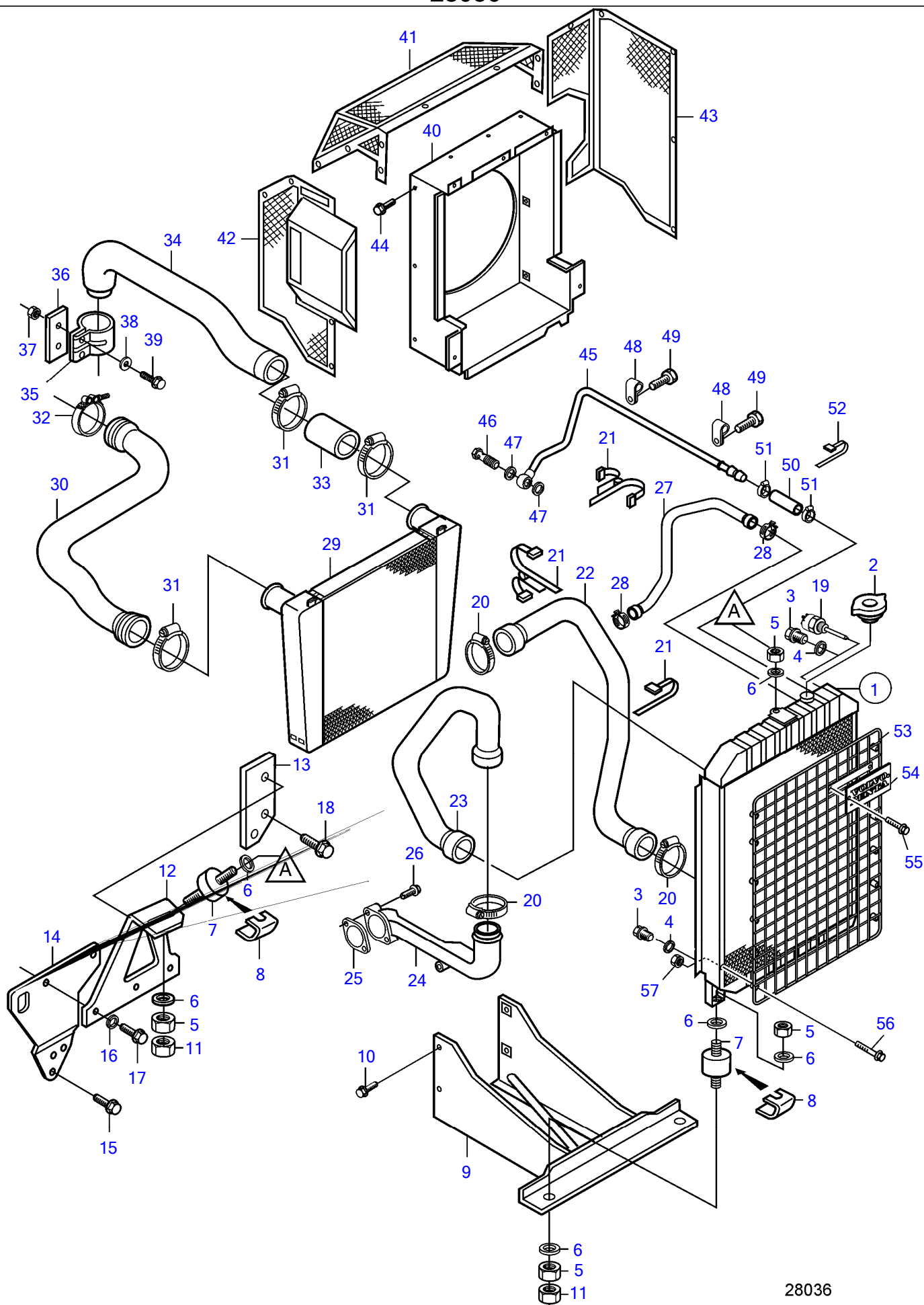


Ref	Part No.	Qty	Description	Notes
1	21063818	1	Radiator	Copper
2	22493846	1	• Filler cap	
3	20412267	2	• Plug	
4	969011	2	• Gasket	
5	971071	6	Hexagon nut	
6	20551749	9	Washer	
7	20405749	3	Vibration damper	
8	20405667	3	Bracket	
9	20412302	1	Bracket	
10	20459156	4	Hexagon screw	
11	20405765	3	Hexagon nut	
12	20412298	1	Bracket	
13	20412349	1	Base plate	
14	20405807	1	Plate	
15	970947	3	Hexagon screw	
16	20549890	2	Washer	
17	970944	2	Hexagon screw	
18	970947	2	Hexagon screw	
19		1	Level sensor	
20	943480	4	Hose clamp	
21	948211	3	Cable tie	
	983472	2	Cable tie	
	20412309	1	Cable tie	For pressure pipe pos.30
22	20405972	1	Coolant pipe	
23	20405956	1	Coolant pipe	
24	20412342	1	Pipe	
25	20412341	1	Gasket	
26	973924	3	Flange screw	
27	20405971	1	Tube	
28	20405755	2	Hose clamp	
29	20412361	1	Charge air cooler	
	20795871	1	Charge air cooler	(20412361)
30	20555353	1	Charge air pipe, Hose	To inlet., With Starting Aid
	20405958	1	Charge air pipe	To inlet., Without Starting Aid
31	20773425	3	Hose clamp	
32		1	Strip clamp	Alt 20585388
33	20531598	1	Hose	
34	21070443	1	Charge air pipe	From turbo
35	20405935	1	Exhaust pipe clamp	
36	20405952	1	Retainer	Replaced by 21040679
	21040679	1	Retainer	
37	20405616	1	Tube	
38	20405734	2	Washer	
39	20405504	2	Flange screw	
40	20405877	1	Fan shroud, normal climate	
	20798740	1	Fan shroud, hot climate	
41	20412295	1	Fan protector, upper	
42	20412296	1	Fan protector, right	
43	20412297	1	Fan protector, left	
44	20405792	15	Flange screw	
45	20539676	1	Pipe, air venting	
46	980973	1	Hollow screw	
47	947281	2	Gasket	
48	20405730	3	Clamp	
49	967949	3	Flange screw	
50	20405745	1	Hose	
51	943471	2	Hose clamp	
52	20702947	2	Cable clamp	
53	20405536	2	Sealing ring	
54	21145389	1	Radiator protector	
55	846118	1	Emblem	
56	941651	2	Cross recessed sunk	
57	948217	8	Flange screw	
58	990940	8	Flange nut	



Ref	Part No.	Qty	Description	Notes
1	22705928	1	Radiator	Aluminum
2	22493846	1	• Filler cap	
3	20412267	2	• Plug	
4	969011	2	• Gasket	
5	971071	6	Hexagon nut	
6	20551749	9	Washer	
7	20405749	3	Vibration damper	
8	20405667	3	Bracket	
9	22705932	1	Frame	
10	20459156	4	Hexagon screw	
11	20405765	3	Hexagon nut	
12	22706183	1	Bracket	
13	20412349	1	Base plate	
14	20405807	1	Plate	
15	970947	3	Hexagon screw	
16	20549890	2	Washer	
17	970944	2	Hexagon screw	
18	970947	2	Hexagon screw	
19		1	Level sensor	
20	943480	4	Hose clamp	
21	948211	3	Cable tie	
	983472	2	Cable tie	
	20412309	1	Cable tie	For pressure pipe pos.30
22	20405972	1	Coolant pipe	
23	20405956	1	Coolant pipe	
24	20412342	1	Pipe	
25	20412341	1	Gasket	
26	973924	3	Flange screw	
27	22706283	1	Pipe	
28	20405755	2	Hose clamp	
29	20412361	1	Charge air cooler	
	20795871	1	Charge air cooler	(20412361)
30	20555353	1	Charge air pipe, Hose	To inlet., With Starting Aid
	20405958	1	Charge air pipe	To inlet., Without Starting Aid
31	20773425	3	Hose clamp	
32		1	Strip clamp	Alt 20585388
33	20531598	1	Hose	
34	21070443	1	Charge air pipe	From turbo
35	20405935	1	Exhaust pipe clamp	
36	20405952	1	Retainer	Replaced by 21040679
	21040679	1	Retainer	
37	20405616	1	Tube	
38	20405734	2	Washer	
39	20405504	2	Flange screw	
40	20405877	1	Fan shroud, normal climate	
	20798740	1	Fan shroud, hot climate	
41	20412295	1	Fan protector, upper	
42	20412296	1	Fan protector, right	
43	20412297	1	Fan protector, left	
44	20405792	15	Flange screw	
45	20539676	1	Pipe, air venting	
46	980973	1	Hollow screw	
47	947281	2	Gasket	
48	20405730	3	Clamp	
49	967949	3	Flange screw	
50	20405745	1	Hose	
51	943471	2	Hose clamp	
52	20702947	2	Cable clamp	
53	20405536	2	Sealing ring	
54	21145389	1	Radiator protector	
55	846118	1	Emblem	
56	941651	2	Cross recessed sunk	
57	948217	8	Flange screw	
58	990940	8	Flange nut	
59	23527643	1	Expansion tank	
60	975197	1	Flange screw	
61	22707037	1	Washer	
62	22707064	1	Attaching clamp	

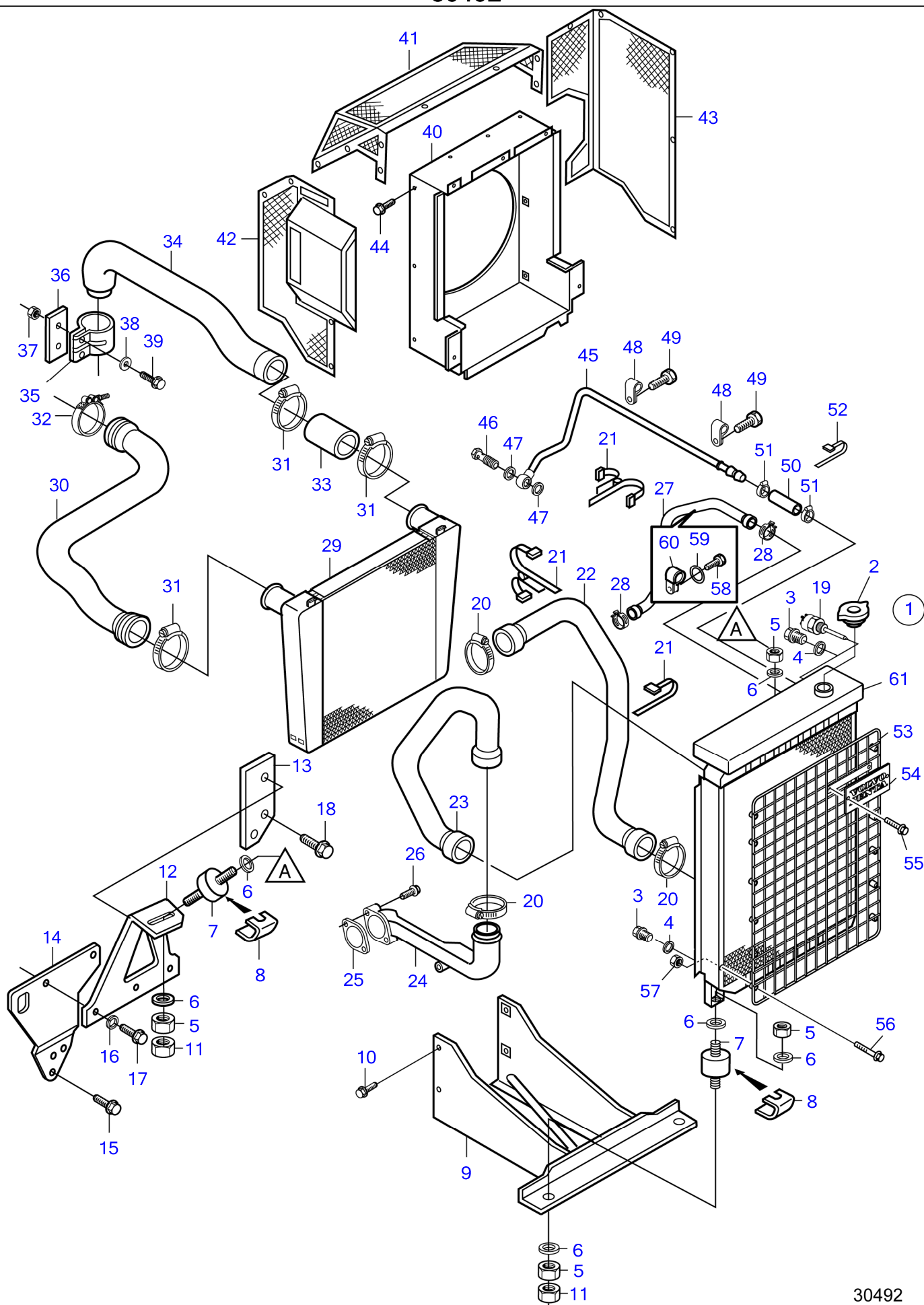
TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE,
TAD732GE, TAD733GE, TAD530GE MECH, TAD530GE EDC4, TAD531GE M
28036



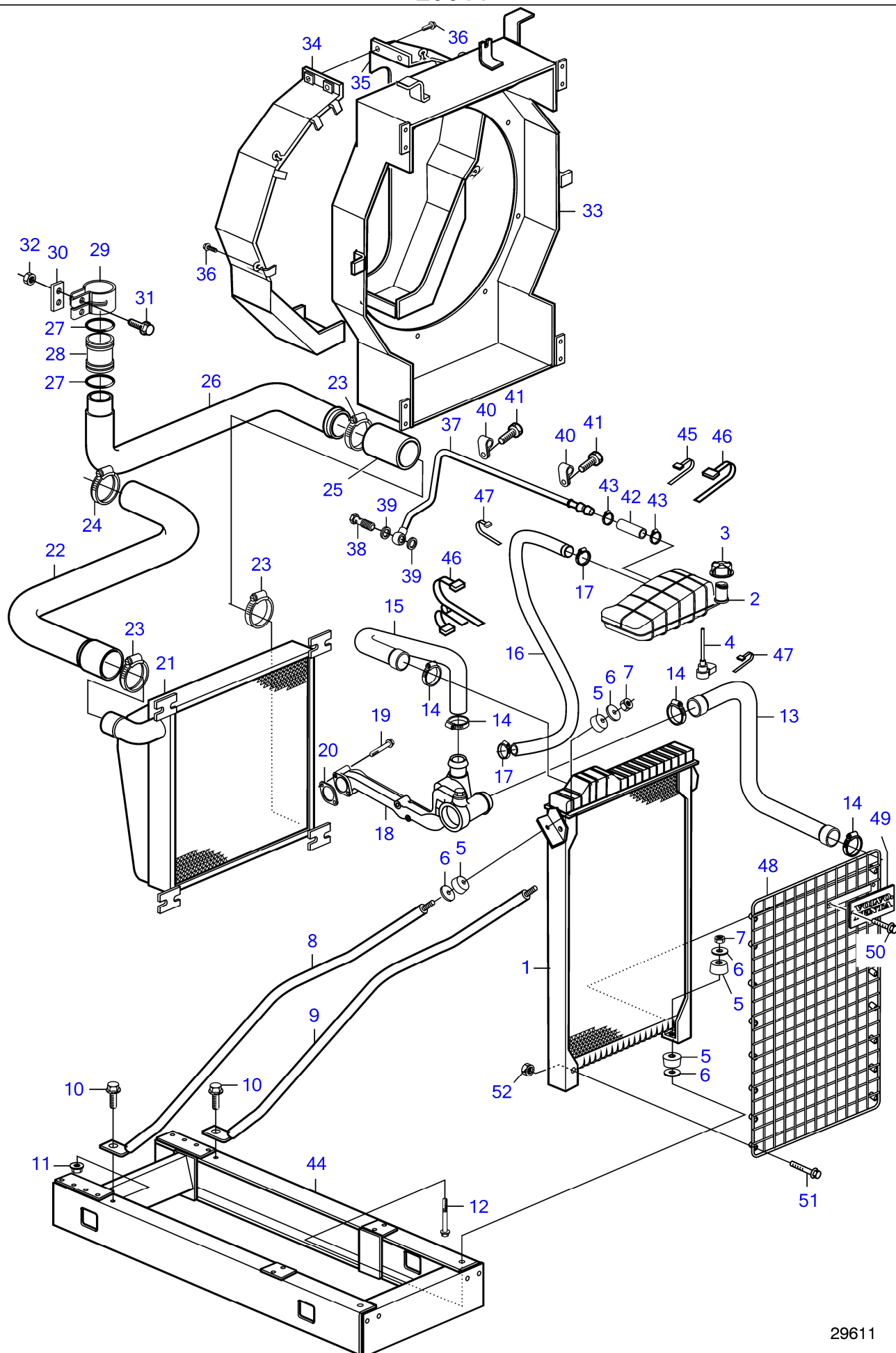
28036

Ref	Part No.	Qty	Description	Notes
1	20412362	1	Radiator	Replaced by 21063818, Copper Copper
	21063818	1	Radiator	
2	22493846	1	• Filler cap	
3	20412267	2	• Plug	
4	969011	2	• Gasket	
5	971071	6	Hexagon nut	
6	20551749	9	Washer	
7	20405749	3	Vibration damper	
8	20405667	3	Bracket	
9	20412302	1	Bracket	
10	20459156	4	Hexagon screw	
11	20405765	3	Hexagon nut	
12	20412298	1	Bracket	
13	20412349	1	Base plate	
14	20405807	1	Plate	
15	970947	3	Hexagon screw	
16	20549890	2	Washer	
17	970944	2	Hexagon screw	
18	970947	2	Hexagon screw	
19		1	Level sensor	
20	943480	4	Hose clamp	
21	948211	3	Cable tie	
	983472	2	Cable tie	
22	20405972	1	Coolant pipe	
23	20405956	1	Coolant pipe	
24	20412342	1	Pipe	
25	20412341	1	Gasket	
26	973924	3	Flange screw	(20405672)
27	20405971	1	Tube	
28	20405755	2	Hose clamp	
29	20412361	1	Charge air cooler	
	20795871	1	Charge air cooler	(20412361)
30	20555353	1	Charge air pipe, Hose	To inlet., With Starting Aid
	20405958	1	Charge air pipe	To inlet., Without Starting Aid
31	20773425	3	Hose clamp	(20585388)
32		1	Strip clamp	Alt 20585388
33	20531598	1	Hose	
34	20412617	1	Charge air pipe	From turbo
35	20848212	1	Clamp	(20412614)
36	20405952	1	Retainer	
37	990940	2	Flange nut	(20405733)
38	20405734	2	Washer	
39	20405504	2	Flange screw	
40	20405877	1	Fan shroud, normal climate	
	20412360	1	Fan shroud, hot climate	
41	20412295	1	Fan protector, upper	
42	20412296	1	Fan protector, right	
43	20412297	1	Fan protector, left	
44	20405792	15	Flange screw	
45	20539676	1	Pipe, air venting	(20417379)
46	980973	1	Hollow screw	
47	947281	2	Gasket	(20459008)
48	20405730	3	Clamp	
49	967949	3	Flange screw	(20405729)
50	20405745	1	Hose	
51	943471	2	Hose clamp	
52	20702947	2	Cable clamp	
53	21145389	1	Radiator protector	
54	846118	1	Emblem	
55	941651	2	Cross recessed sunk	
56	948217	8	Flange screw	
57	990940	8	Flange nut	

TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE,
TAD732GE, TAD733GE, TAD530GE MECH, TAD530GE EDC4, TAD531GE M
30492

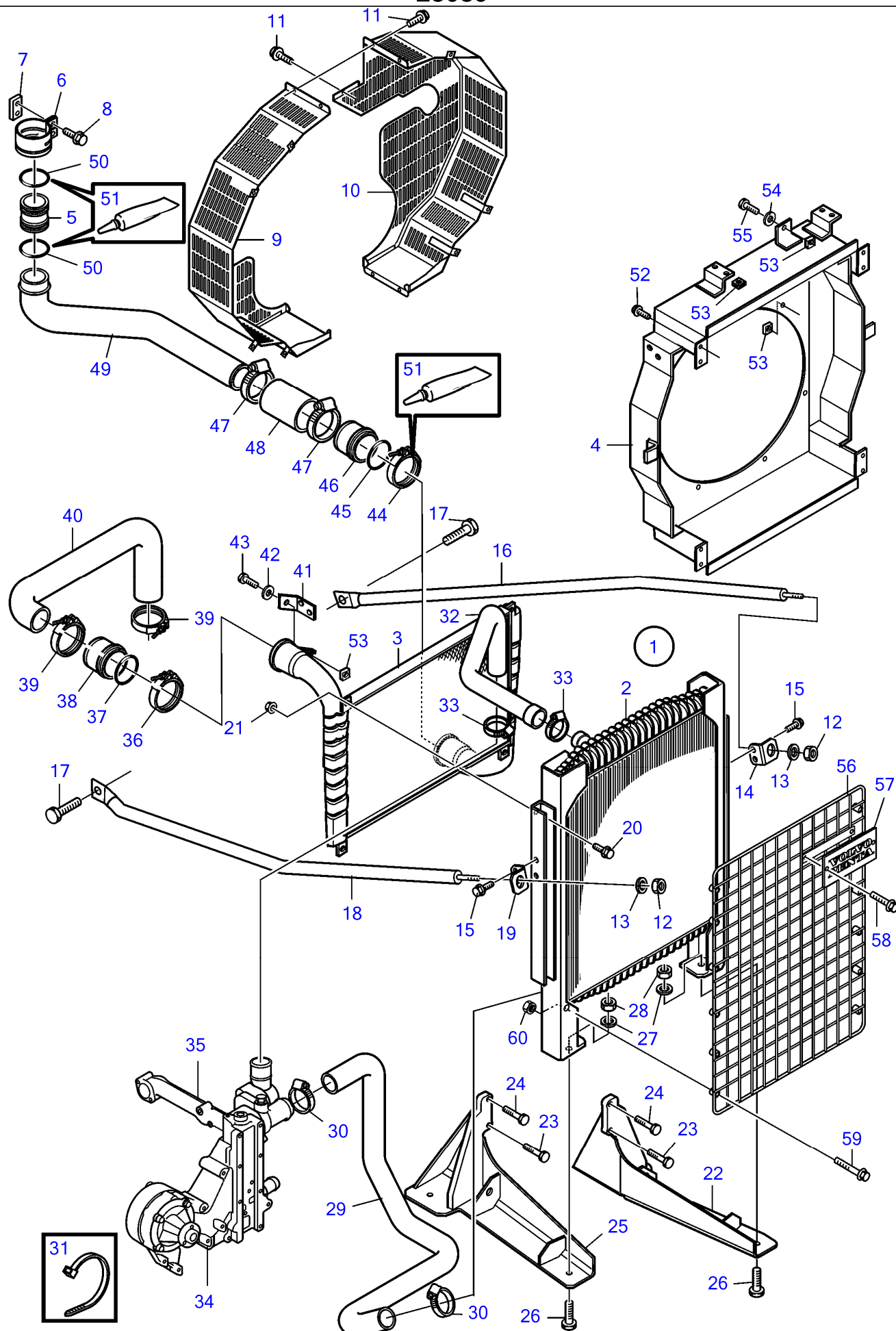


Ref	Part No.	Qty	Description	Notes
1	22705928	1	Radiator	Aluminum
2	22493846	1	• Filler cap	
3	20412267	2	• Plug	
4	969011	2	• Gasket	
5	971071	6	Hexagon nut	
6	20551749	9	Washer	
7	20405749	3	Vibration damper	
8	20405667	3	Bracket	
9	22705932	1	Frame	
10	20459156	4	Hexagon screw	
11	20405765	3	Hexagon nut	
12	22706183	1	Bracket	
13	20412349	1	Base plate	
14	20405807	1	Plate	
15	970947	3	Hexagon screw	
16	20549890	2	Washer	
17	970944	2	Hexagon screw	
18	970947	2	Hexagon screw	
19		1	Level sensor	
20	943480	4	Hose clamp	
21	948211	3	Cable tie	
	983472	2	Cable tie	
22	20405972	1	Coolant pipe	
23	20405956	1	Coolant pipe	
24	20412342	1	Pipe	
25	20412341	1	Gasket	
26	973924	3	Flange screw	(20405672)
27	22706283	1	Pipe	
28	20405755	2	Hose clamp	
29	20412361	1	Charge air cooler	
	20795871	1	Charge air cooler	(20412361)
30	20555353	1	Charge air pipe, Hose	To inlet., With Starting Aid
	20405958	1	Charge air pipe	To inlet., Without Starting Aid
31	20773425	3	Hose clamp	(20585388)
32		1	Strip clamp	Alt 20585388
33	20531598	1	Hose	
34	20412617	1	Charge air pipe	From turbo
35	20848212	1	Clamp	(20412614)
36	20405952	1	Retainer	
37	990940	2	Flange nut	(20405733)
38	20405734	2	Washer	
39	20405504	2	Flange screw	
40	20405877	1	Fan shroud, normal climate	
	20412360	1	Fan shroud, hot climate	
41	20412295	1	Fan protector, upper	
42	20412296	1	Fan protector, right	
43	20412297	1	Fan protector, left	
44	20405792	15	Flange screw	
45	20539676	1	Pipe, air venting	(20417379)
46	980973	1	Hollow screw	
47	947281	2	Gasket	(20459008)
48	20405730	3	Clamp	
49	967949	3	Flange screw	(20405729)
50	20405745	1	Hose	
51	943471	2	Hose clamp	
52	20702947	2	Cable clamp	
53	21145389	1	Radiator protector	
54	846118	1	Emblem	
55	941651	2	Cross recessed sunk	
56	948217	8	Flange screw	
57	990940	8	Flange nut	
58	975197	1	Flange screw	
59	22707037	1	Washer	
60	22707064	1	Attaching clamp	
61	23527643	1	Expansion tank	



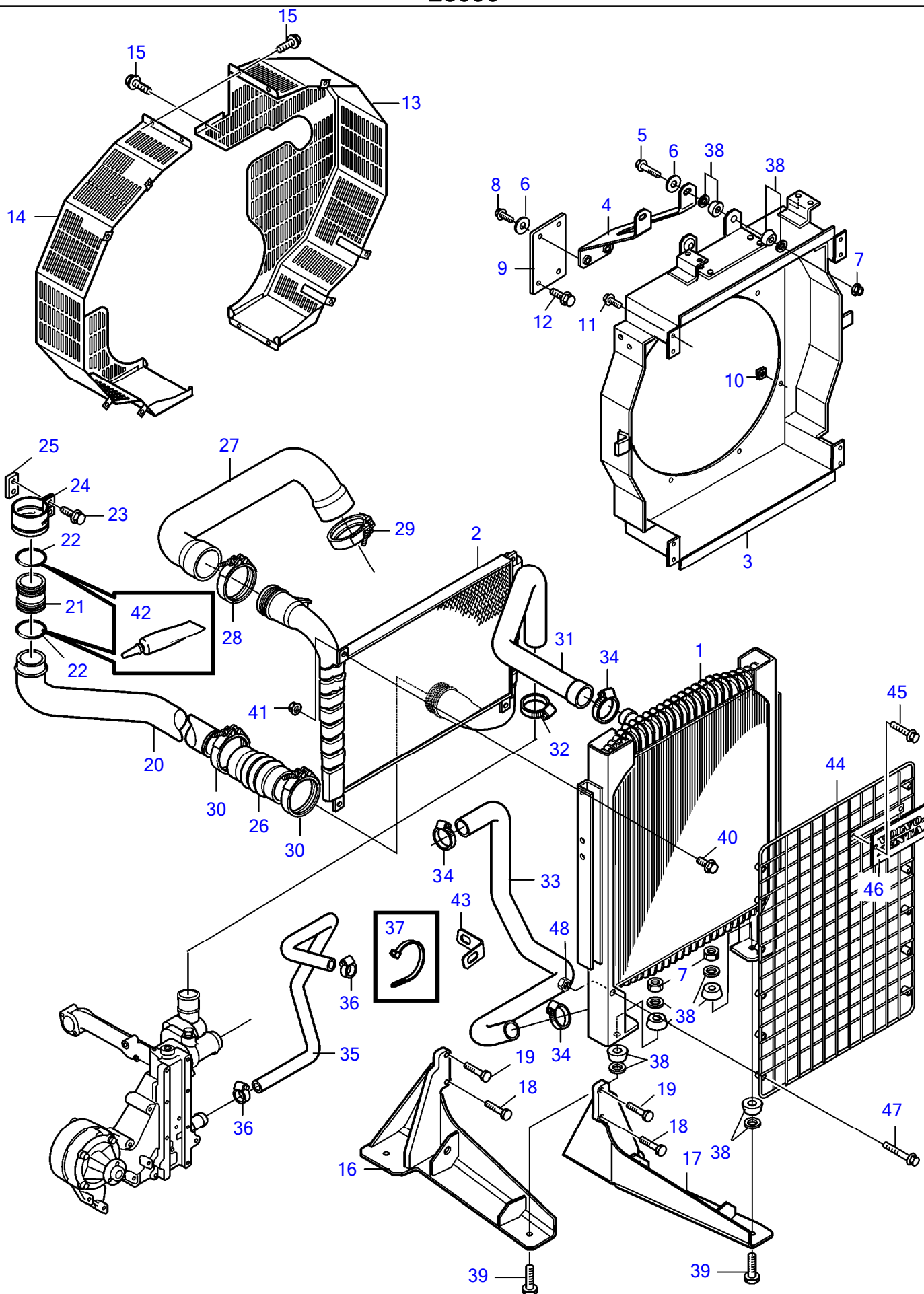
26 Cooling System
TAD732GE, TAD733GE

Ref	Part No.	Qty	Description	Notes
1	20585499	1	Radiator	Replaced by 20795988
	20795988	1	Radiator	Replaced by 21540808
	21540808	1	Radiator	Tropical radiator (high air temperature).
2	20585482	1	Expansion tank	
3	20585486	1	• Cap	
4	20585484	1	• Level sensor	
5	20585579	4	Rubber suspension	
6	20549890	8	Washer	
7	20405762	4	Hexagon nut	
8	20585513	1	Brace, right	
9	20585546	1	Brace, left	
10	970947	2	Hexagon screw	
11	971071	2	Hexagon nut	
12	20460205	1	Hexagon screw	
13	20585573	1	Coolant pipe	
14	20412420	4	Hose clamp	
15	20585572	1	Coolant pipe	
16	20585574	1	Tube	
17	20405755	2	Hose clamp	
18		1	Thermostat housing	
19	973924	3	Flange screw	(20405672)
20	20412341	1	Gasket	
21	20585438	1	Charge air cooler	
22	20585520	1	Charge air pipe, Hose	To inlet.
23	21019685	3	Clip	
24	20773425	1	Hose clamp	(20585388)
25	20585399	1	Rubber sleeve	
26	20585588	1	Charge air pipe	From turbo
27	20405535	2	O-ring	
28	20405944	1	Adapter	
29	20848212	1	Clamp	(20412614)
30	20405952	1	Retainer	
31	20405504	2	Flange screw	
32	990940	2	Flange nut	(20405733)
33	20585475	1	Fan shroud	
34	20916675	1	Fan shroud, right	
35	20916671	1	Fan shroud, left	
36	984734	12	Flange screw	
37	20539676	1	Pipe	(20417379)
38	980973	1	Hollow screw	
39	947281	2	Gasket	(20459008)
40	20405730	2	Clamp	
41	967949	2	Flange screw	(20405729)
42	20405745	2	Hose	
43	943471	4	Hose clamp	
44		1	Frame	
45	20513984	2	Cable tie	L=160mm
46	20702947	3	Cable clamp	L=295mm
47	948211	3	Cable tie	L=67mm
48	21145393	1	Radiator protector	
49	846118	1	Emblem	
50	941651	2	Cross recessed sunk	
51	948217	8	Flange screw	
52	990940	8	Flange nut	

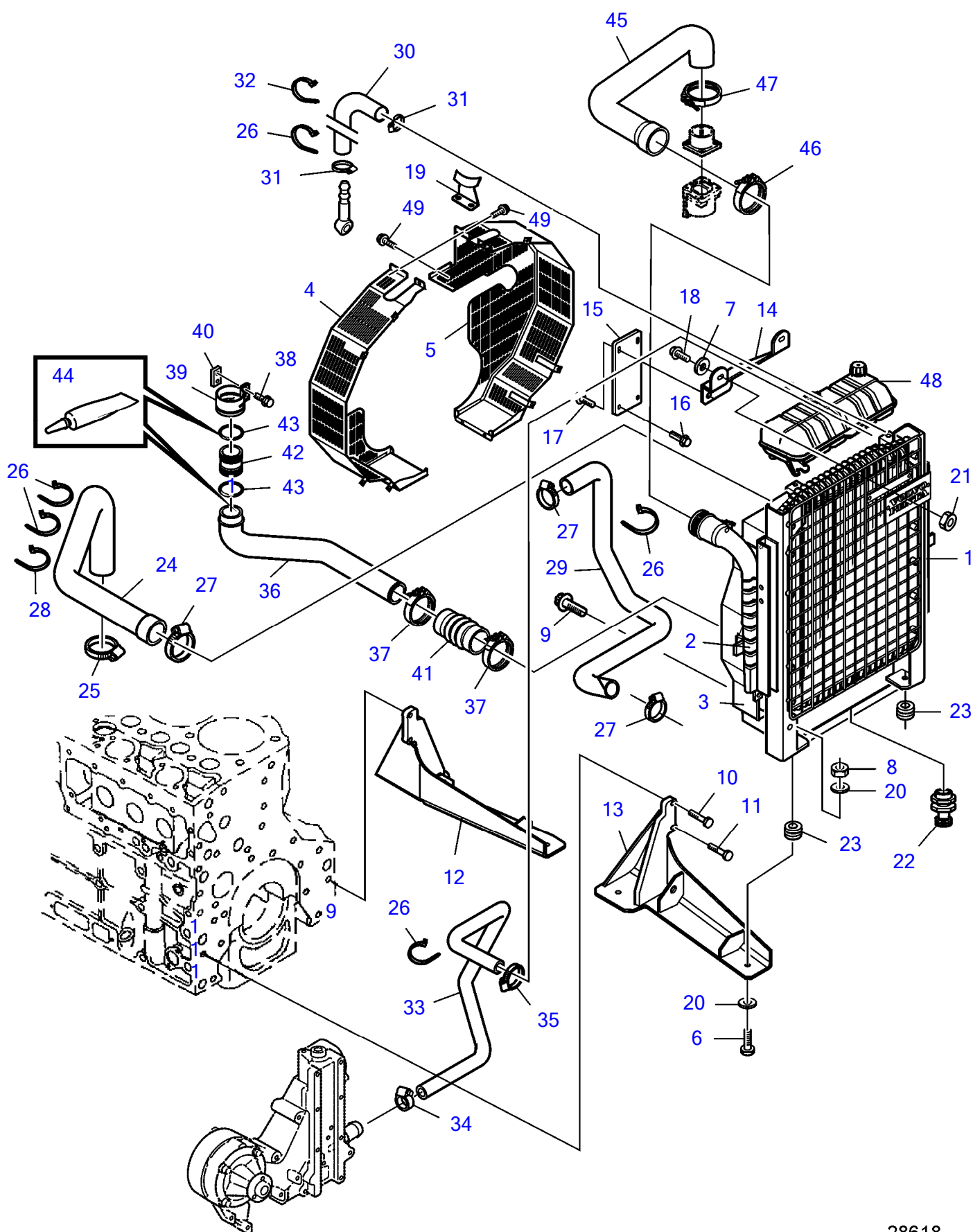


**26 Cooling System SN5310410387-5310590631
TAD732GE, TAD733GE**

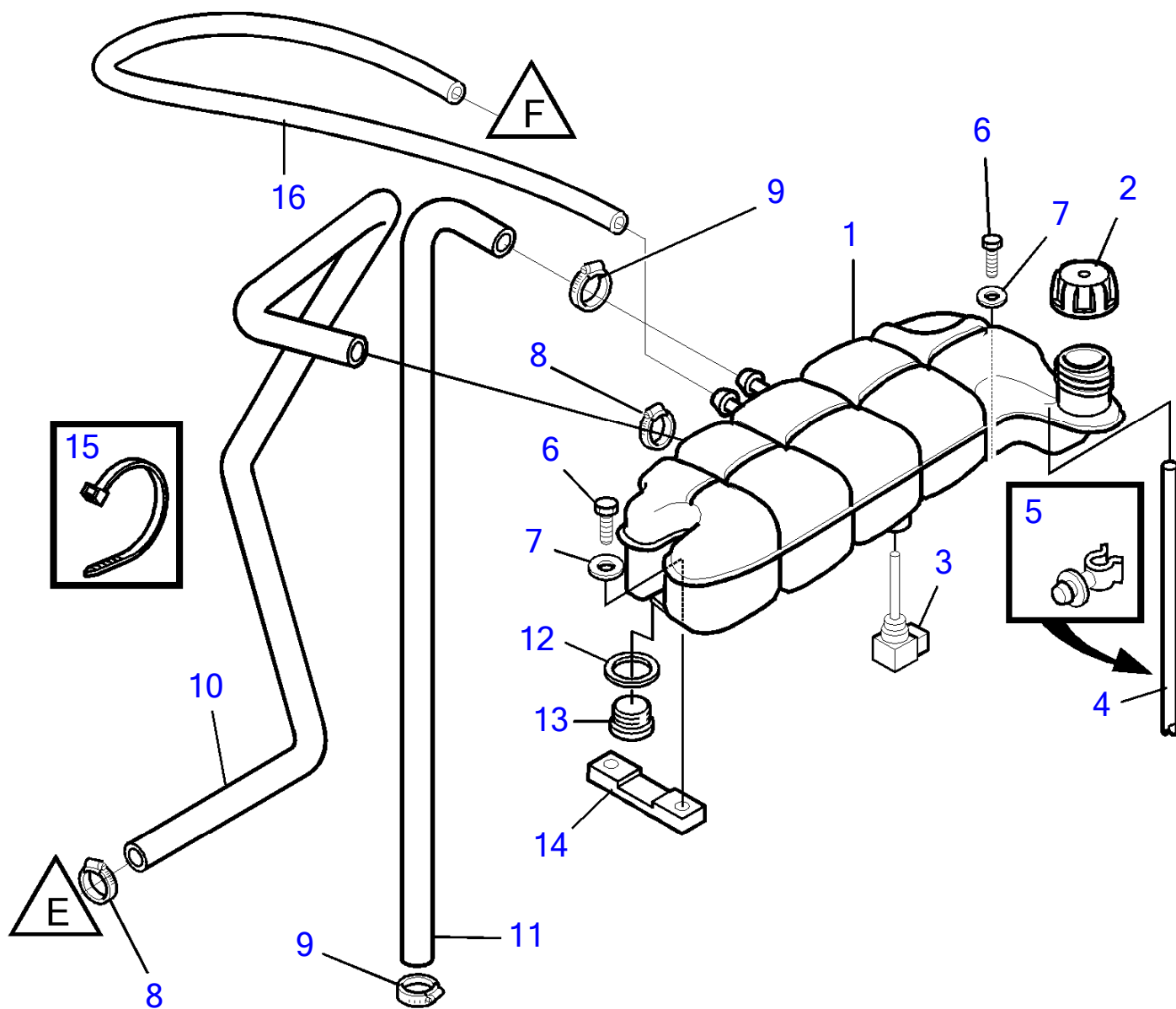
Ref	Part No.	Qty	Description	Notes
1	(21034601)	1	Cooling package, complete	Obsolete part
2	21072151	1	• Radiator	
3	21072172	1	• Charge air cooler	
4	21072174	1	• Fan shroud	
5	20405944	1	Adapter	
6	20848212	1	Clamp	
7	21040679	1	Retainer	
8	20405504	1	Flange screw	
9	21087577	1	Grille	
10	21087582	1	Grille	
11	984734	17	Flange screw	
12	971071	2	Hexagon nut	
13	20549890	4	Washer	
14	21194123	1	Bracket	
15	20405792	4	Flange screw	
16	21192356	1	Stay	
17	20459156	2	Hexagon screw	
18	21087593	1	Stay	
19	21194167	1	Bracket	
20		4	Screw	
21		4	Nut	
22	21087594	1	Bracket	
23	21087598	2	Screw	
24	20405653	2	Screw	
25	21087595	1	Bracket	
26	20460205	2	Hexagon screw	
27	20549890	2	Washer	
28	20405762	2	Hexagon nut	
29	21087698	1	Coolant pipe	
30	943480	2	Hose clamp	
31	948211	4	Cable tie	
32	21087695	1	Coolant pipe	
33	943480	2	Hose clamp	
34		1	Circulation pump	
35		1	• Thermostat housing	
36	21033241	1	Clamp	
37	21033246	1	O-ring	
38	21087682	1	Nipple	
39	21019685	2	Clip	
40	21087678	1	Charge air pipe	
41		1	Bracket	
42		1	Washer	
43		1	Screw	
44	21033241	1	Clamp	
45	21033246	1	O-ring	
46	21087682	1	Nipple	
47	21019685	2	Clip	
48	20531598	1	Hose	
49	21087694	1	Charge air pipe	
50	20405535	1	O-ring	
51	21018254	1	Adjusting device	
52		8	Screw	
53		10	Nut plate	
54		3	Washer	
55		3	Screw	
56	21145393	1	Radiator protector	
57	846118	1	Emblem	
58	941651	2	Cross recessed sunk	
59	948217	8	Flange screw	
60	990940	8	Flange nut	



Ref	Part No.	Qty	Description	Notes
1	21188033	1	Radiator	
2	21188039	1	Charge air cooler	
3	21140918	1	Fan shroud	
4	21188762	1	Bracket	
5	20797247	4	Flange screw	
6	20551709	4	Washer	
7	20460364	4	Hexagon nut	
8	20755314	2	Flange screw	
9	21188765	1	Bracket	
10		8	Nut	
11		8	Screw	
12	970947	2	Hexagon screw	
13	21663749	1	Fan shroud, left	
14	21188620	1	Grille, right	
15	20405898	16	Flange screw	
16	21188785	1	Bracket, right	
17	21188784	1	Bracket, left	
18	21087598	2	Screw	
19	20405653	2	Screw	
20	21187056	1	Charge air pipe	
21	20405944	1	Adapter	
22	20405535	2	O-ring	
23	984736	2	Flange screw	
24	20848212	1	Clamp	
25	21040679	1	Retainer	
26	21189994	1	Rubber hose	
27	21186877	1	Charge air pipe	Replaced by 21496518
	21496518	1	Charge air pipe	
28	21150012	1	Clamp	
29	21186882	1	Hose clamp	
30	21150016	4	Clamp	
31	21087695	1	Coolant pipe	
32	20412420	1	Hose clamp, lower	
	994565	1	Hose clamp, upper	
33	21087698	1	Coolant pipe	
34	994565	3	Hose clamp	
35	21087609	1	Hose	
36	20893584	1	Hose clamp, upper	
	20405755	1	Hose clamp	
37	20702947	10	Cable clamp	
38	20585579	4	Rubber suspension	
39	20460205	2	Hexagon screw	
40		4	Screw	
41		4	Nut	
42	1161231	1	Sealant	
43	21226805	1	Bracket	
44	21145393	1	Radiator protector	
45	846118	1	Emblem	
46	941651	2	Cross recessed sunk	
47	948217	8	Flange screw	
48	990940	8	Flange nut	

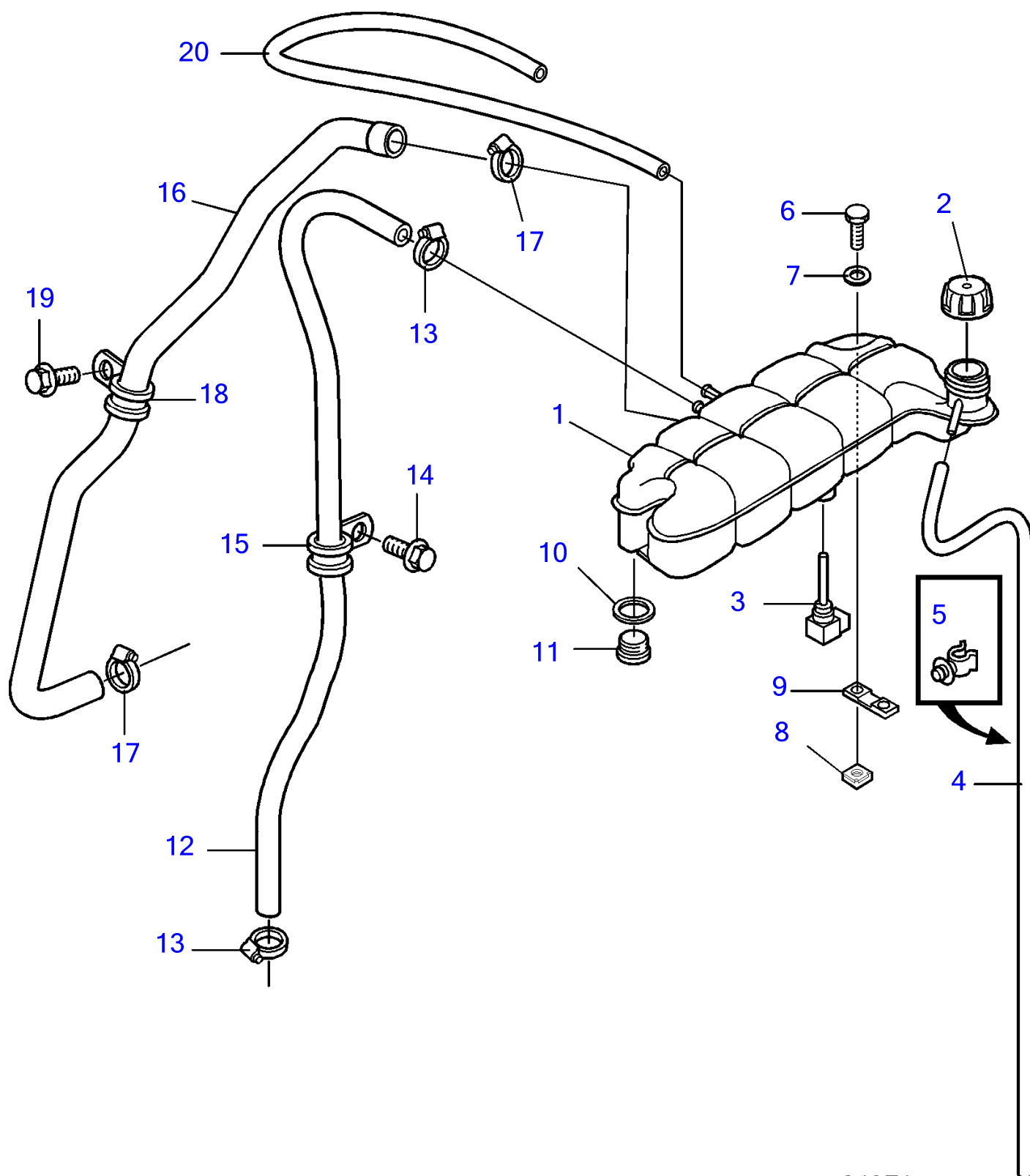


Ref	Part No.	Qty	Description
1	21883422	1	Radiator
2	22080936	1	Charge air cooler
3	22080951	1	Fan shroud
4	21188620	1	Grille
5	21663749	1	Fan shroud
6	20797247	2	Flange screw
7	20549890	2	Washer
8	993787	2	Hexagon nut
9	21664109	14	Six point screw
10	20405653	2	Screw
11	21087598	2	Screw
12	21188784	1	Bracket
13	21188785	1	Bracket
14	21188762	1	Bracket
15	21188765	1	Bracket
16		2	
17	20755314	2	Flange screw
18	20797247	2	Flange screw
19	21663772	1	Support
20	20551709	4	Washer
21	971071	2	Hexagon nut
22	22381326	1	Drain valve
23		4	
24	21087695	1	Coolant pipe
25	20412420	1	Hose clamp
26	948211	10	Cable tie
27	994565	3	Hose clamp
28	21052971	1	Cable tie
29	21087698	1	Coolant pipe
30	21226021	1	Hose
31	943471	3	Hose clamp
32	21052971	2	Cable tie
33	21664198	1	Hose
34	20405755	1	Hose clamp
35	20893584	1	Hose clamp
36	21664162	1	Charge air pipe
37	21150016	2	Clamp
38		2	
39	20848212	1	Clamp
40	21040679	1	Retainer
41	21664167	1	Rubber hose
42	20405944	1	Adapter
43	20405535	2	O-ring
44	1161231	1	Sealant
45	21664145	1	Charge air pipe
46	21150012	1	Clamp
47	21186882	1	Hose clamp
48	21661750	1	Expansion tank
49	20405898	16	Flange screw



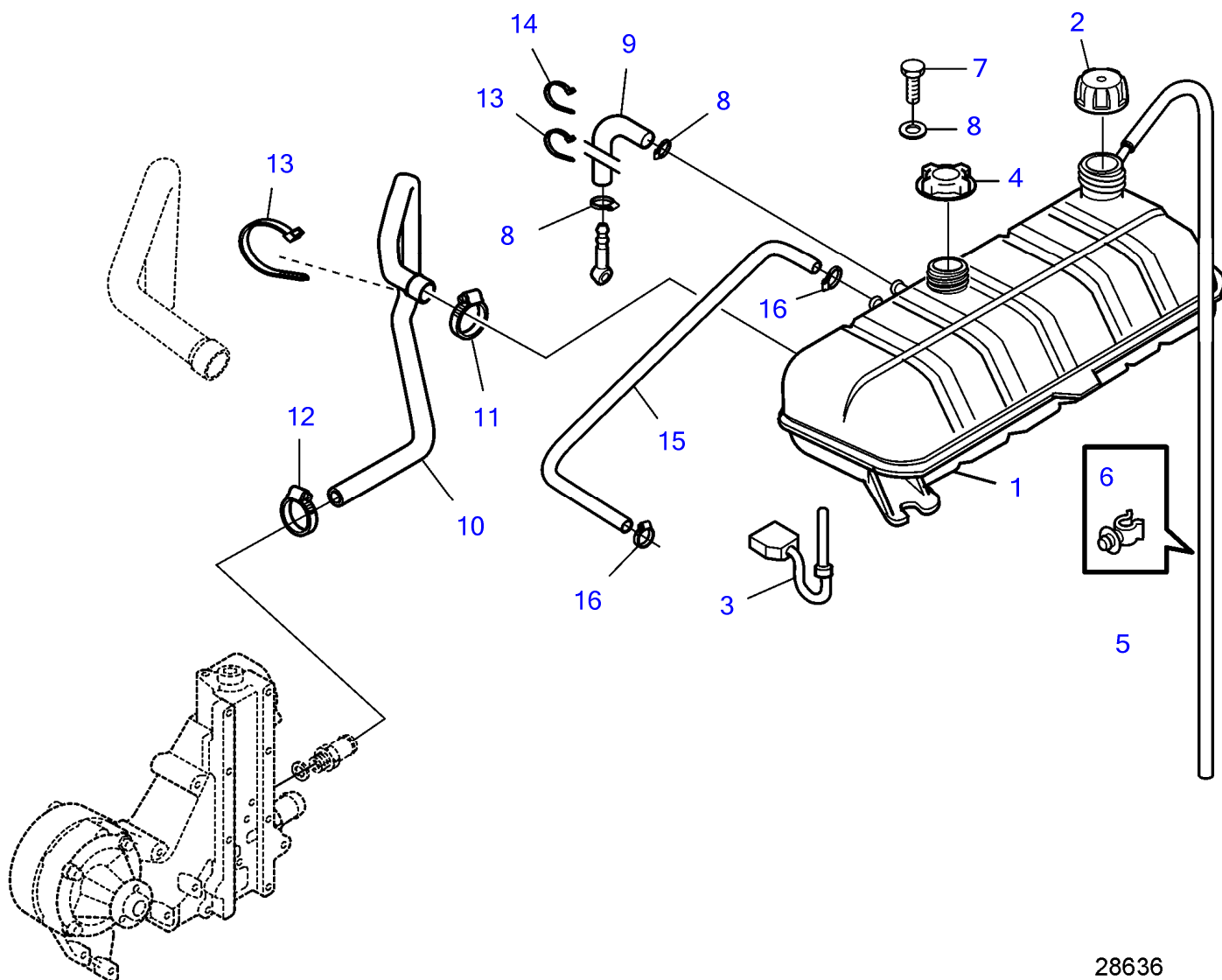
24566

Ref	Part No.	Qty	Description
1	20585482	1	Expansion tank
2	20585486	1	• Cap
3	20585484	1	• Level sensor
4		1	Hose, air venting
5		3	Attaching lug
6		3	Washer
7		3	Screw
8	20405755	2	Hose clamp
9	943471	2	Hose clamp
10	21087609	1	Hose
11	20405745	1	Hose
12	20912088	1	O-ring
13	20912085	1	Plug
14	20912091	1	Bracket
15	948211	4	Cable tie
16	21226021	1	Hose



24371

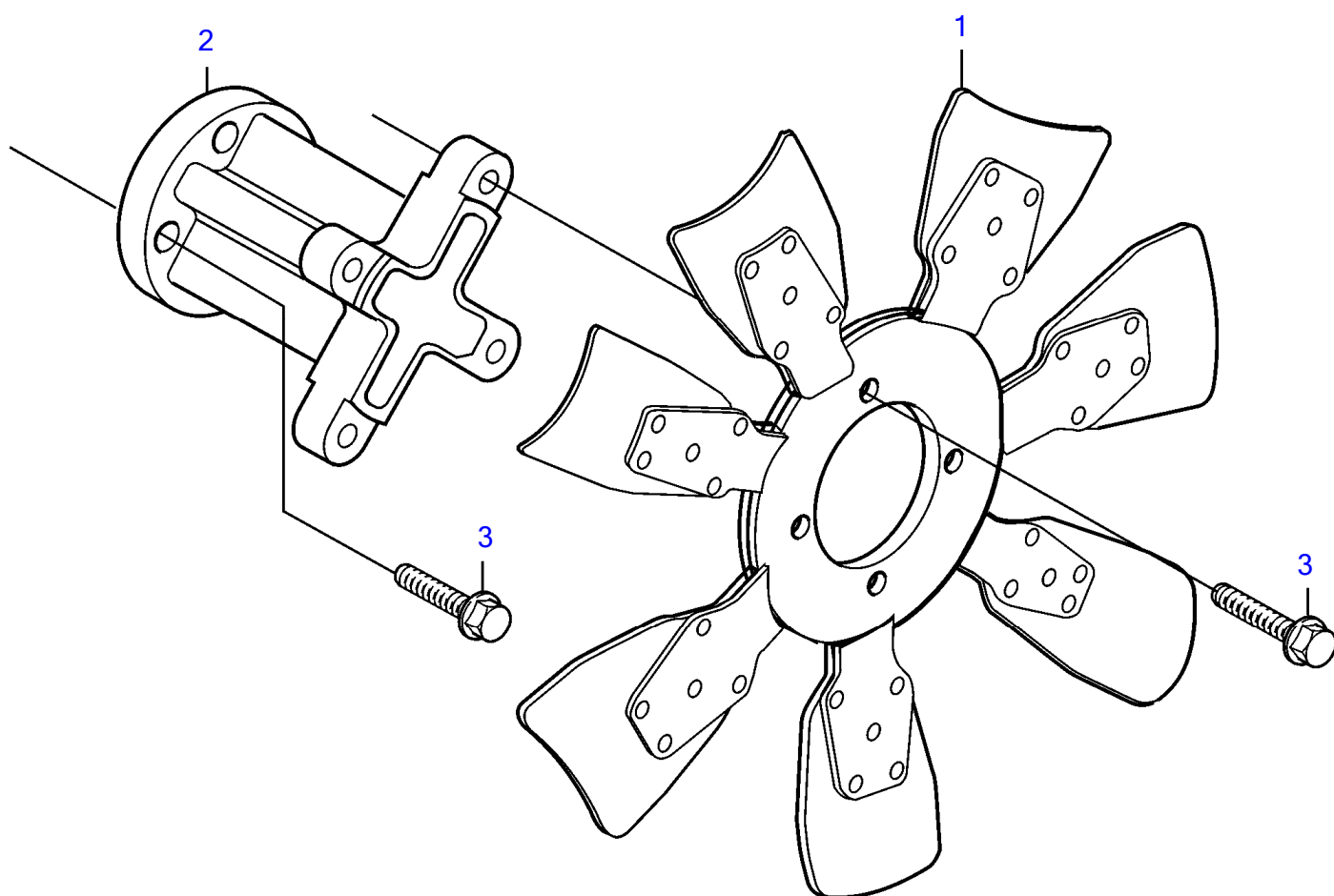
Ref	Part No.	Qty	Description
1	20585482	1	Expansion tank
2	20585486	1	• Cap
3	20585484	1	• Level sensor
4		1	Hose, air venting
5		3	Attaching lug
6		3	Screw
7		3	Washer
8		10	Nut plate
9	20912091	1	Bracket
10	20912088	1	O-ring
11	20912085	1	Plug
12	21226021	1	Hose
13	943471	2	Hose clamp
14	967949	1	Flange screw
15	20860404	1	Clamp
16	21087609	1	Hose
17	20893584	2	Hose clamp
18	888852	2	Attaching clamp
19	20405792	2	Flange screw
20	21226021	1	Hose



28636

**26 Expansion Tank with Connection Components SN5310944314-
TAD732GE, TAD733GE**

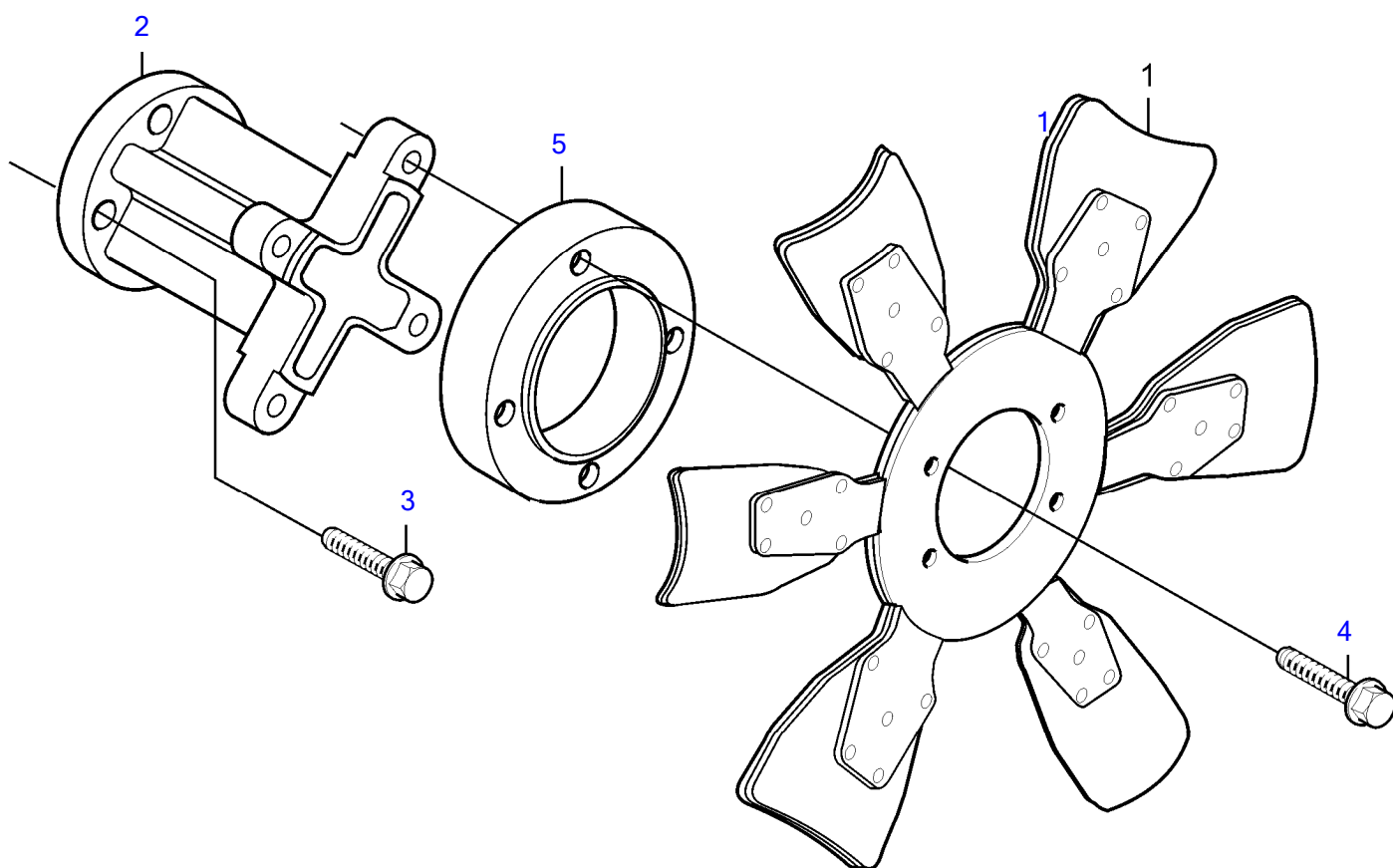
Ref	Part No.	Qty	Description	Notes
1	21661750	1	Expansion tank	
2	21661754	1	• Cap	
3	21661774	1	• Level sensor	
4	21661791	1	• Cover	
5	990536	1	Rubber hose, air venting	L=2300mm
6		3	Attaching lug	
7	946440	5	Flange screw	
8	20405664	2	Hose clamp	
9	21226021	1	Hose	
10	21664198	1	Hose	
11	20893584	1	Hose clamp	
12	20405755	1	Hose clamp	
13	20405754	3	Clamping band	
14	20405754	2	Clamping band	
15	21052971	2	Cable tie	
16	990536	1	Rubber hose	L=800mm



28306

26 Fan
TAD530GE, TAD531GE

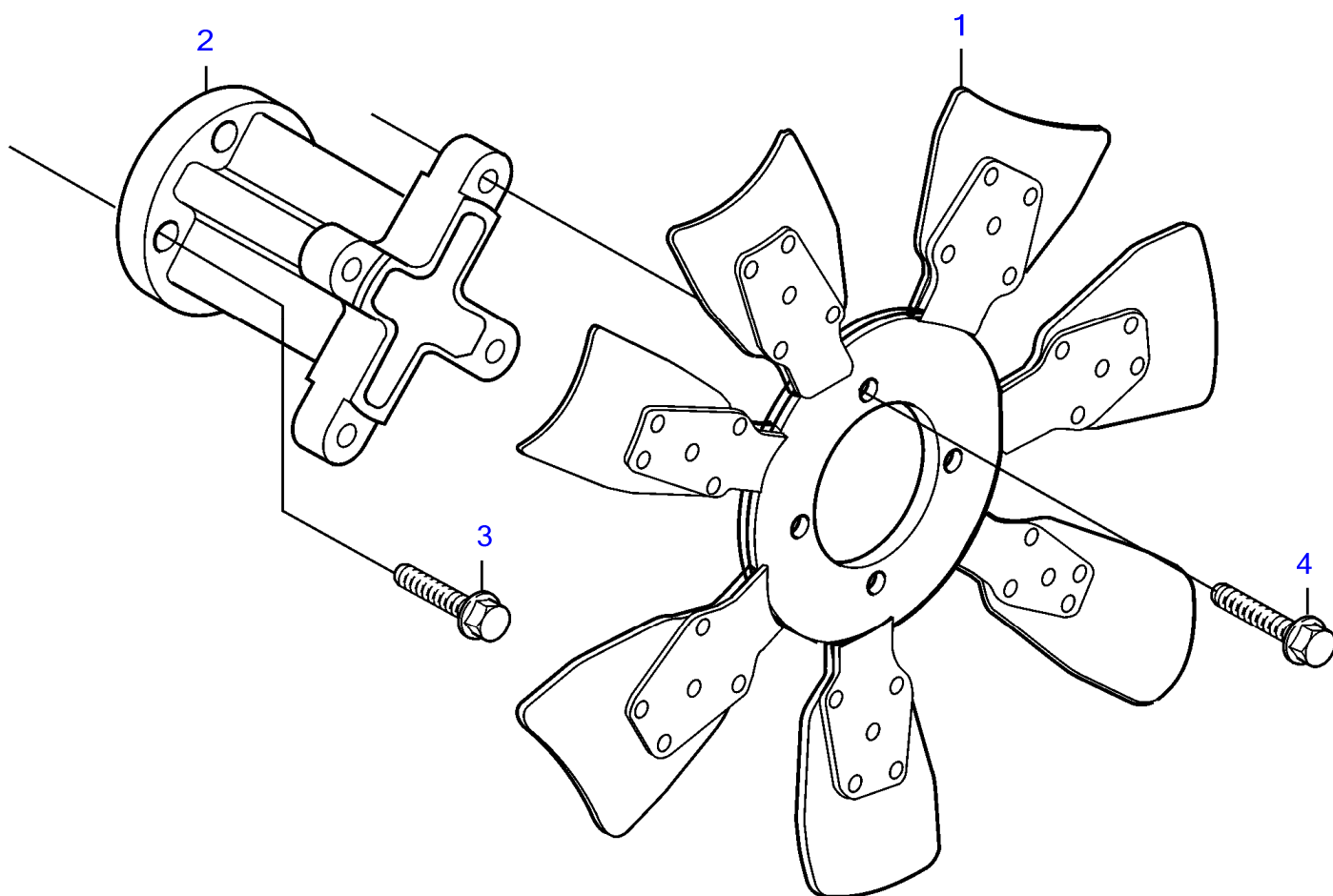
Ref	Part No.	Qty	Description	Notes
1	20405918	1	Fan, normal climate	6 Blades, Pusher type., Spider/steel, fan blade/aluminum, Normal climate., 1500 & 1800rpm
	20412426	1	Fan, hot climate	7 Blades, Pusher type., Spider/steel, fan blade/aluminum, Hot climate, 1500 & 1800rpm,
	23371108	1	Fan	7 Blades, Pusher type., Spider/steel, fan blade/aluminum, Hot climate, 1500 & 1800rpm
	20412754	1	Fan, hot climate	7 Blades, Pusher type., Plastic fan, Hot climate, 1500 & 1800rpm
2	20405988	1	Adapter	For Fan 20405918 & 20412426
	20412756	1	Adapter	Obsolete part, TAD530/531GE
3	20405504	8	Flange screw	Replaced by 946671
	946671	8	Flange screw	



22011

26 Fan
TAD532GE, TAD730GE, TAD731GE

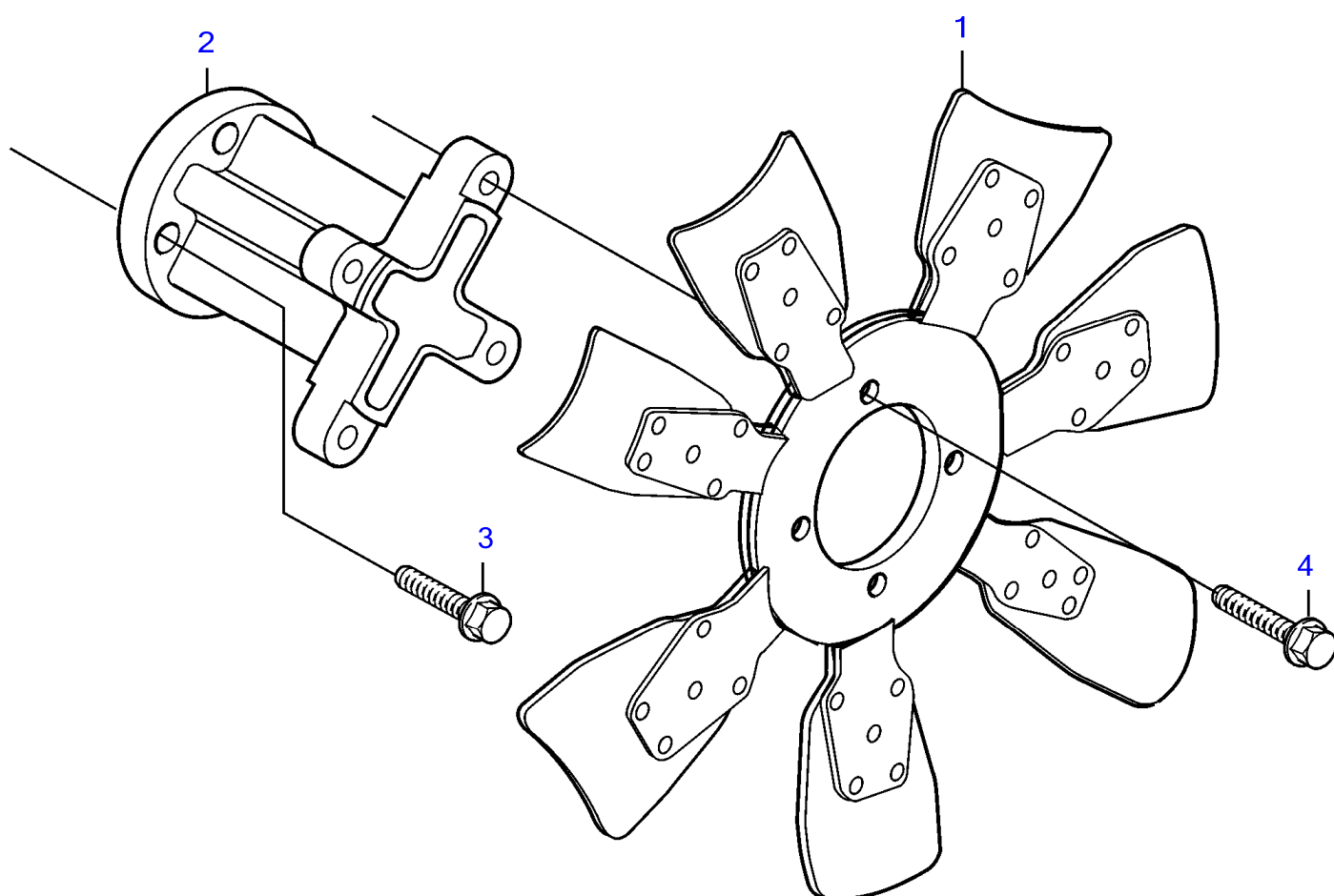
Ref	Part No.	Qty	Description	Notes
1	20405946	1	Fan, normal climate	Pusher type., Spider/steel, fan blade/aluminum, Normal climate., Replaced by 23404817
	23404817	1	Fan	Pusher type., Spider/steel, fan blade/aluminum, Normal climate.
	20405968	1	Fan, hot climate	Replaced by 20412753, 1500rpm, hot climate.
	20412753	1	Fan, hot climate	Pusher type., Spider/steel, fan blade/aluminum, 1800rpm, hot climate.
2	20405988	1	Adapter	
3	984736	4	Flange screw	
4	984738	4	Flange screw	
5	20405981		Extension	



22010

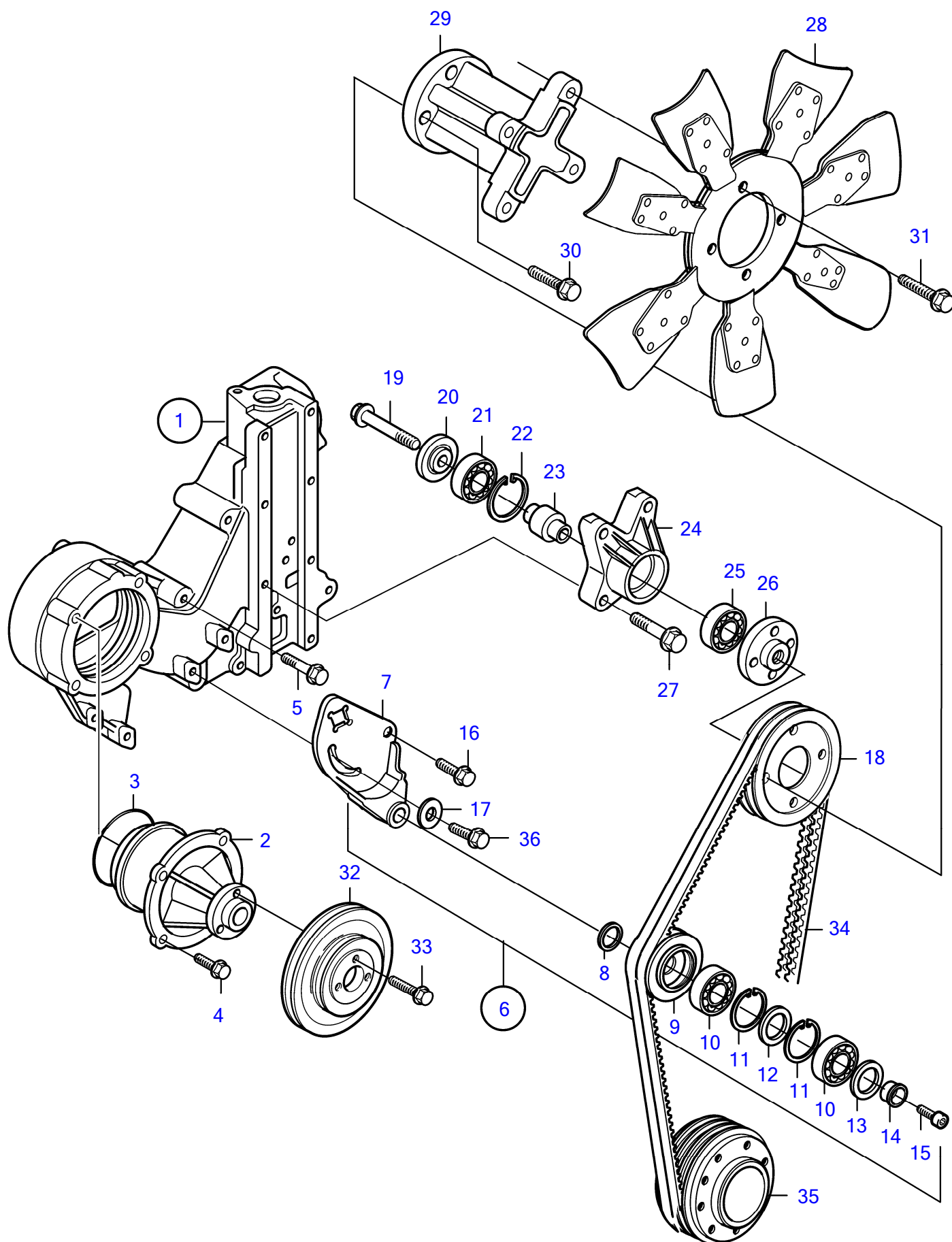
**26 Fan
TD520GE**

Ref	Part No.	Qty	Description	Notes
1	20405919	1	Fan, normal climate	Pusher type., TD520GE, normal climate., Spider/steel, fan blade/aluminum
	20405702	1	Fan, hot climate	Pusher type., TD520GE, hot climate., Spider/steel, fan blade/aluminum, SN-10687078
	23814875	1	Fan	Pusher type., TD520GE, hot climate., Spider/steel, fan blade/aluminum, SN10687079-
2	20506118	1	Adapter	
3	20405504	4	Flange screw	
4	984734	4	Flange screw	



22010

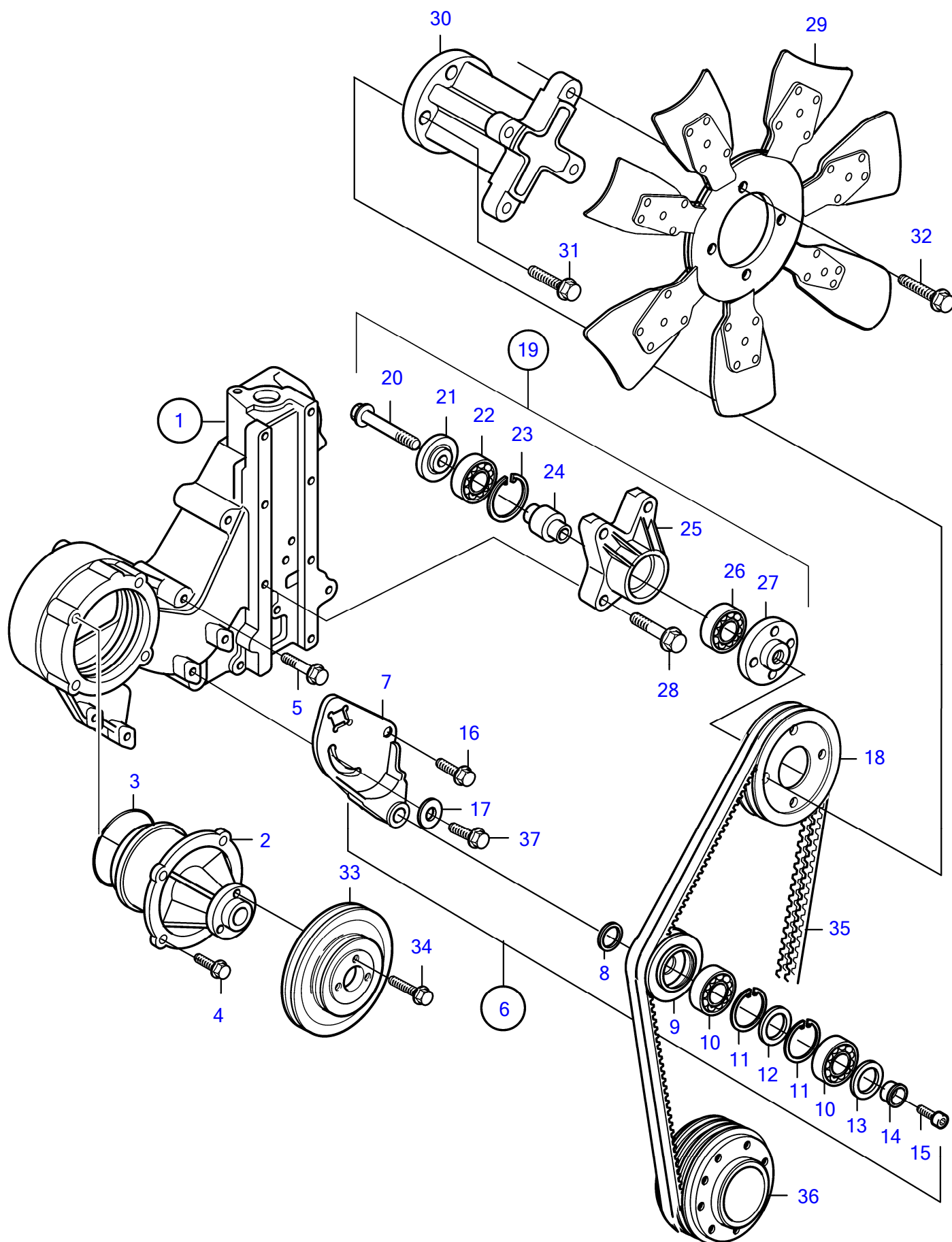
Ref	Part No.	Qty	Description	Notes
1	20405918	1	Fan, normal climate	6 Blades, Pusher type., TD720GE, normal climate., Spider/steel, fan blade/aluminum
	20412427	1	Fan, hot climate	7 Blades, Pusher type., TD720GE, hot climate., Spider/steel, fan blade/aluminum
2	20506118	1	Adapter	
3	20405504	4	Flange screw	
4	984734	4	Flange screw	



29364

**26 Fan and Fan Bracket SN-5310707001: Radiator 20585499
TAD732GE, TAD733GE**

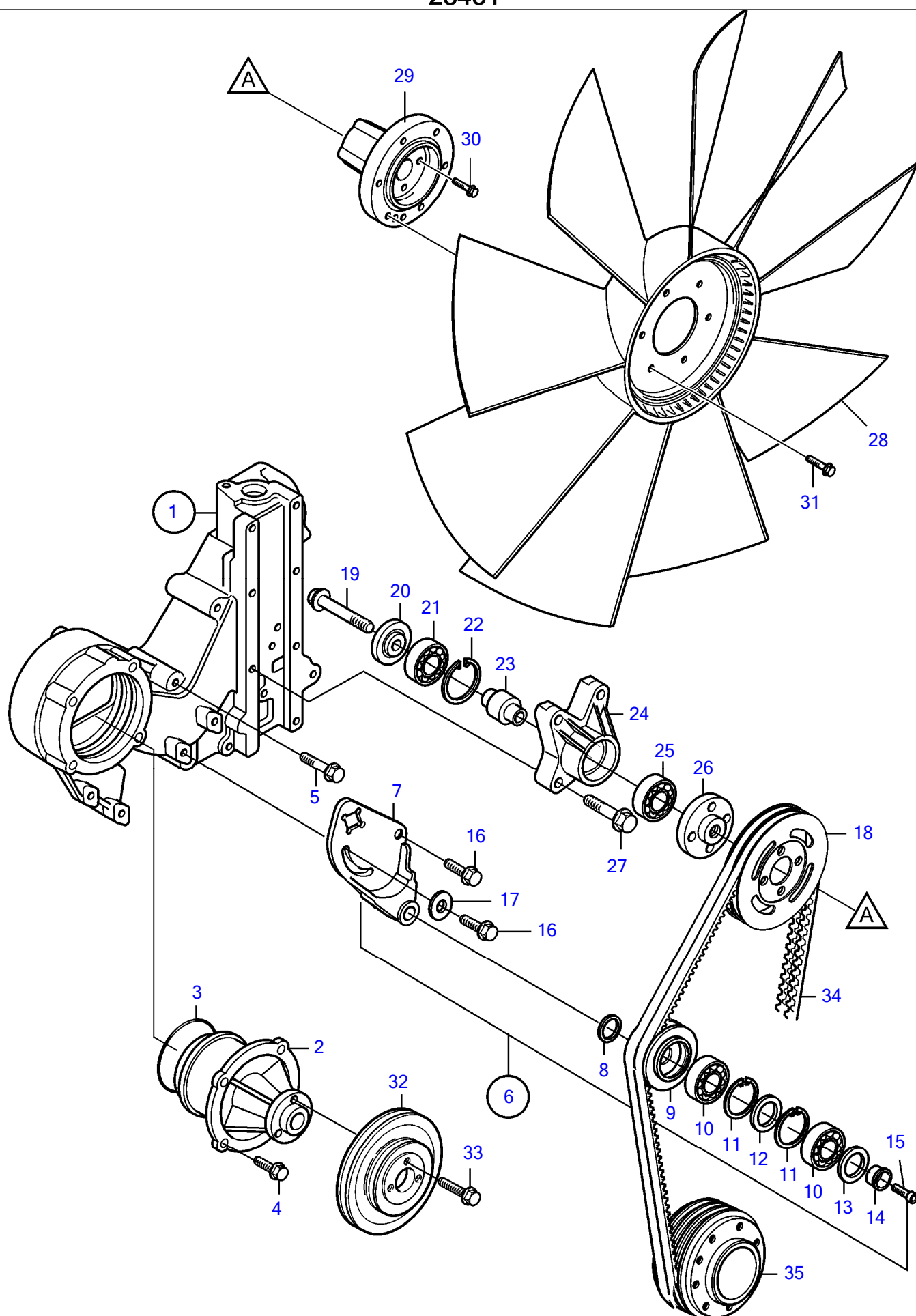
Ref	Part No.	Qty	Description	Notes
1		1	Fan bracket	
2		1	Circulation pump	
3		1	Sealing ring	
4	984734	4	Flange screw	
5	984741	7	Flange screw	
6	20450758	1	Belt tensioner	SN10103092-10467324
	21142055	1	Belt tensioner	SN10467325-
7	20450764	1	• Belt tensioner	
8	20450762	1	• Ring	
9	20450759	1	• Pulley	
10	11012	2	• Ball bearing	(20450750)
11	20459025	2	• Retaining ring	
12	20450760	1	• Spacer sleeve	
13	20450990	1	• Seal	
14	20450761	1	• Spacer	
15	20459263	1	• Hex. socket screw	
16	970947	2	Hexagon screw	
17	20460365	1	Washer	
18	20509134	1	Pulley	
19	20450754	1	Hexagon screw	
20	20999732	1	Washer	
21	181335	1	Ball bearing	(20450750)
22	914529	1	Snap ring	
23	21009699	1	Shaft	
24	20715795	1	Bearing bracket	
25	181648	1	Ball bearing	(20450749)
26	20450755	1	Fan hub	
27	984755	4	Flange screw	
28	20585515	1	Fan, pusher type	
29	20405988	1	Adapter	
30	20405504	4	Flange screw	
31	20405504	4	Flange screw	
32	20550293	1	Pulley	SN-11378554
	22298148	1	Pulley	SN11378555-
33	20405792	4	Flange screw	
34	20585207	1	V-belt, set	Fan Belt
	20592177	1	V-belt	TAD731GE, TAD732GE, TAD733GE
			• Bulletin P-26-3-1	Fan, Pulley / Drive Belt
35	20592794	1	Pulley	
36	20755314	1	Flange screw	



28882

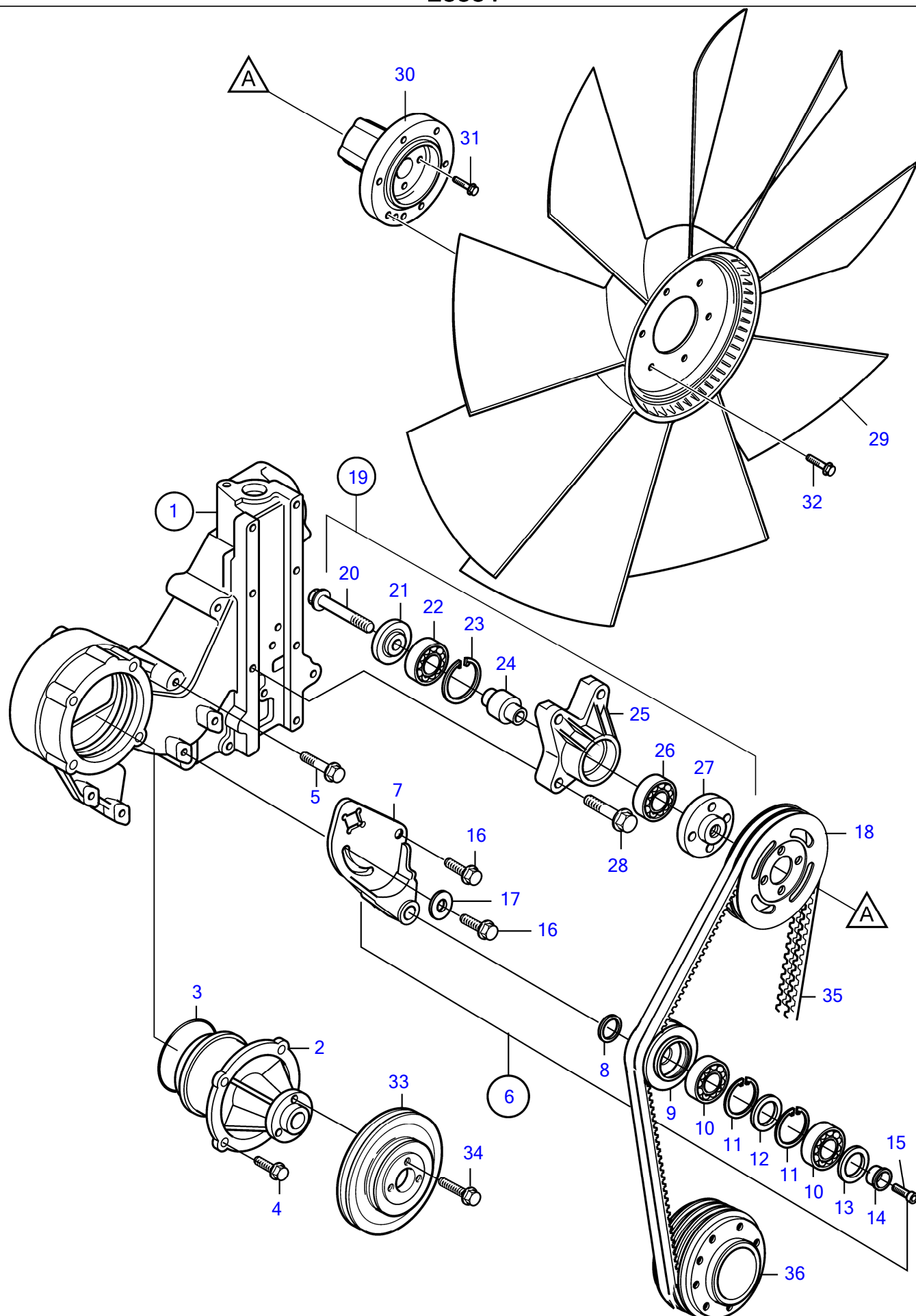
**26 Fan and Fan Bracket SN5310707002-: Radiator 20585499
TAD732GE, TAD733GE**

Ref	Part No.	Qty	Description	Notes
1		1	Fan bracket	
2		1	Circulation pump	
3		1	Sealing ring	
4	984734	4	Flange screw	
5	984741	7	Flange screw	
6	21142055	1	Belt tensioner	SN-11415146
	22295257		Belt tensioner	SN11415147-
7	20450764	1	• Belt tensioner	
8	20450762	1	• Ring	
9	20450759	1	• Pulley	SN-22001331, Replaced by 22295270
	22295270	1	• Pulley	SN22001332-
10	11012	2	• Ball bearing	(20450750)
11	20459025	2	• Retaining ring	
12	20450760	1	• Spacer sleeve	
13	20450990	1	• Seal	
14	20450761	1	• Spacer	
15	20459263	1	• Hex. socket screw	
16	970947	2	Hexagon screw	
17	20460365	1	Washer	
18	20509134	1	Pulley	
19	21109801	1	Fan bracket	
20	20450754	1	• Hexagon screw	
21	20999732	1	• Washer	
22	996518	1	• Ball bearing	(20450750)
23	914529	1	• Snap ring	
24	23226845	1	• Hollow shaft	
25	21901728	1	• Bearing bracket	
26	996519	1	• Ball bearing	(20450749)
27	21071819	1	• Fan hub	
28	984755	4	Flange screw	
29	20585515	1	Fan, pusher type	
30	20405988	1	Adapter	
31	20405504	4	Flange screw	
32	20405504	4	Flange screw	
33	20550293	1	Pulley	SN-11378554
	22298148	1	Pulley	SN11378555-
34	20405792	4	Flange screw	
35	20585207	1	V-belt, set	
	20592177	1	V-belt	Fan Belt, TAD731GE, TAD732GE, TAD733GE
			• Bulletin P-26-3-1	Fan, Pulley / Drive Belt
36	20592794	1	Pulley	SN-11378554
	22298162	1	Pulley	SN11378555-
37	20755314	1	Flange screw	



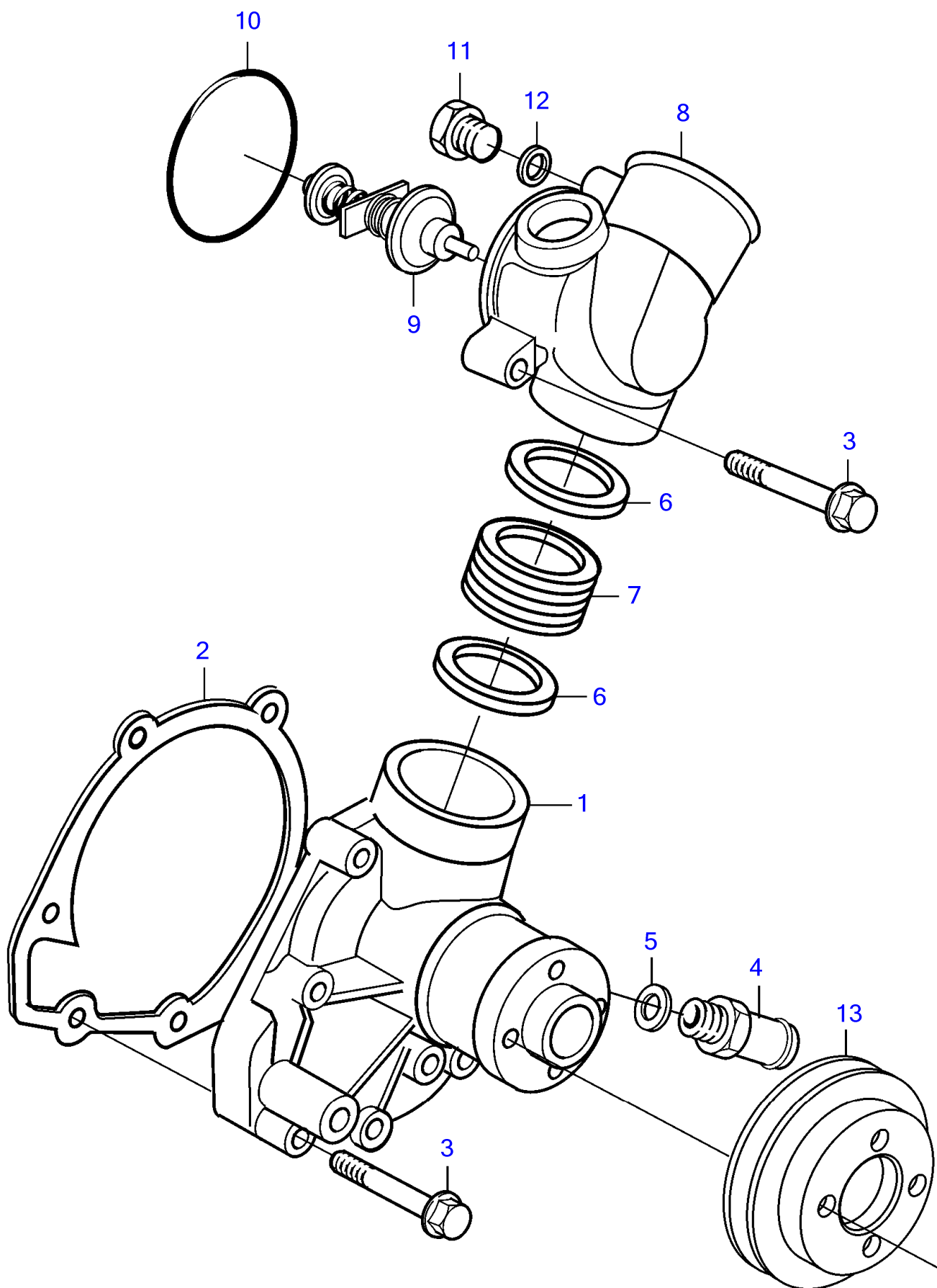
**26 Fan and Fan Bracket SN-5310707001: Radiator 21072151, 21188033
TAD732GE, TAD733GE**

Ref	Part No.	Qty	Description	Notes
1		1	Fan bracket	
2		1	Circulation pump	
3		1	Sealing ring	
4	984734	4	Flange screw	
5	984741	7	Flange screw	
6	20450758	1	Belt tensioner	SN10103092-10467324
	21142055	1	Belt tensioner	SN10467325-
7	20450764	1	• Belt tensioner	
8	20450762	1	• Ring	
9	20450759	1	• Pulley	
10	11012	2	• Ball bearing	(20450750)
11	20459025	2	• Retaining ring	
12	20450760	1	• Spacer sleeve	
13	20450990	1	• Seal	
14	20450761	1	• Spacer	
15	970947	1	• Hexagon screw	
16	970947	2	Hexagon screw	
17	20460365	1	Washer	
18	21087704	1	Pulley	
19	20450754	1	Hexagon screw	
20	20999732	1	Washer	
21	181335	1	Ball bearing	(20450750)
22	20459025	1	Retaining ring	
23	21009699	1	Shaft	
24	20715795	1	Bearing bracket	
25	181648	1	Ball bearing	
26	20450755	1	Fan hub	
27	984755	4	Flange screw	
28	21034351	1	Fan, pusher type	
29	21034597	1	Adapter	
30	984744	4	Flange screw	
31	970947	6	Hexagon screw	
32			Pulley	
33	20405792	4	Flange screw	
34	21087705	1	V-belt	
35			Pulley	



**26 Fan and Fan Bracket SN5310707002-: Radiator 21072151, 21188033
TAD732GE, TAD733GE**

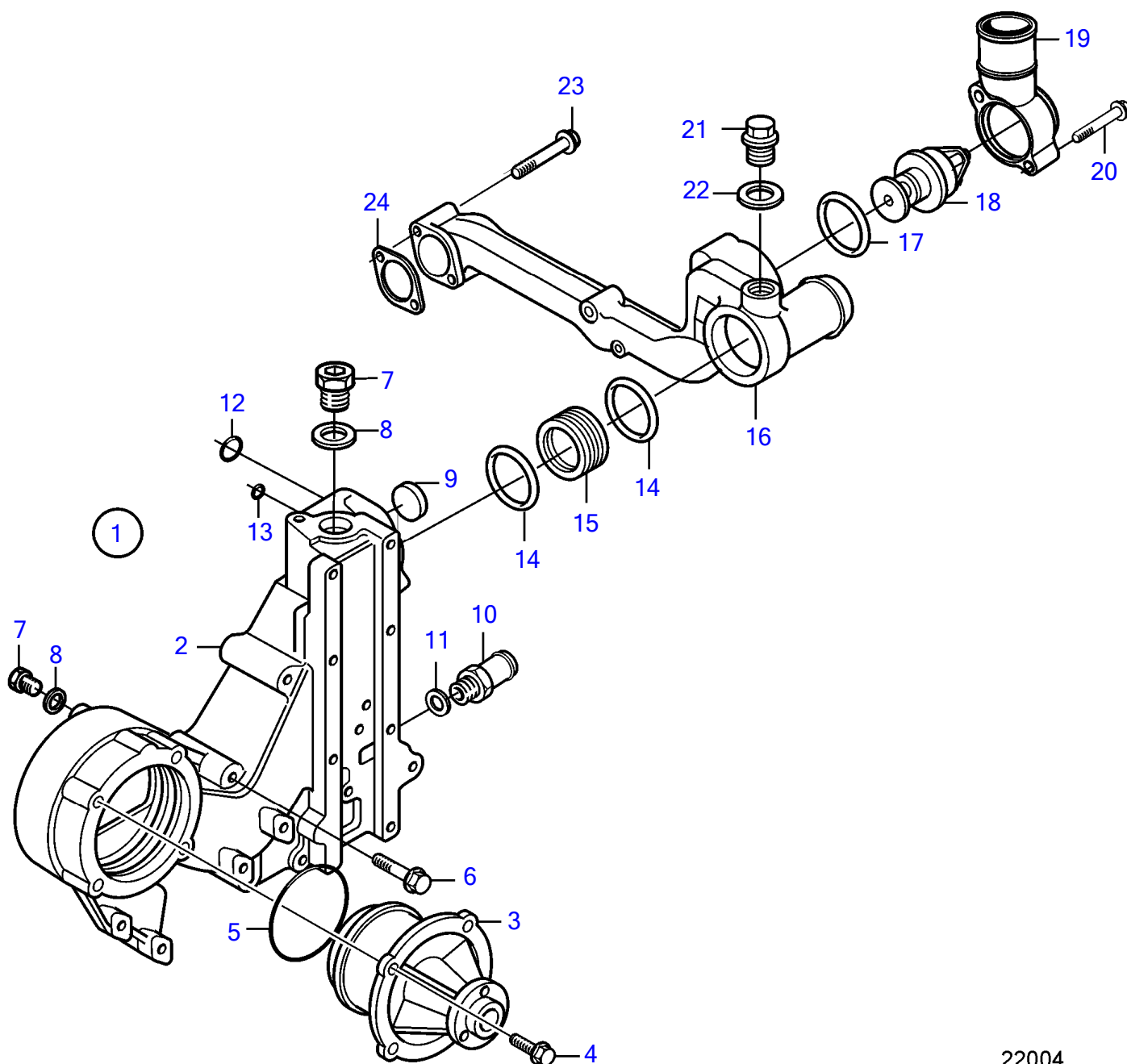
Ref	Part No.	Qty	Description	Notes
1		1	Fan bracket	
2		1	Circulation pump	
3		1	Sealing ring	
4	984734	4	Flange screw	
5	984741	7	Flange screw	
6	21142055	1	Belt tensioner	SN-11415146
	22295257		Belt tensioner	SN11415147-
7	21133671	1	• Belt tensioner	
8	20450762	1	• Ring	
9	22295270	1	• Pulley	
10	11012	2	• Ball bearing	(20450750)
11	914529	2	• Snap ring	
12	20450760	1	• Spacer sleeve	
13	20450990	1	• Seal	
14	20450761	1	• Spacer	
15	970947	1	• Hexagon screw	
16	970947	2	Hexagon screw	
17	20460365	1	Washer	
18	21087704	1	Pulley	
19	21109801	1	Fan bracket	
20	20450754	1	• Hexagon screw	
21	20999732	1	• Washer	
22	996518	1	• Ball bearing	(20450750)
23	914529	1	• Snap ring	
24	23226845	1	• Hollow shaft	
25	21901728	1	• Bearing bracket	
26	996519	1	• Ball bearing	
27	21071819	1	• Fan hub	
28	20459263	4	Hex. socket screw	
29	21034351	1	Fan, pusher type	
30	21034597	1	Adapter	
31	984744	4	Flange screw	
32	970947	6	Hexagon screw	
33			Pulley	
34	984733	4	Flange screw	
35	21087705	1	V-belt	
36			Pulley	



26 Water Pump and Thermostat Housing

TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE

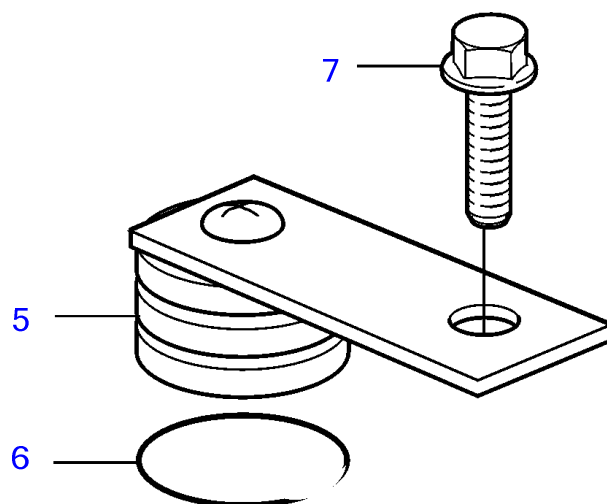
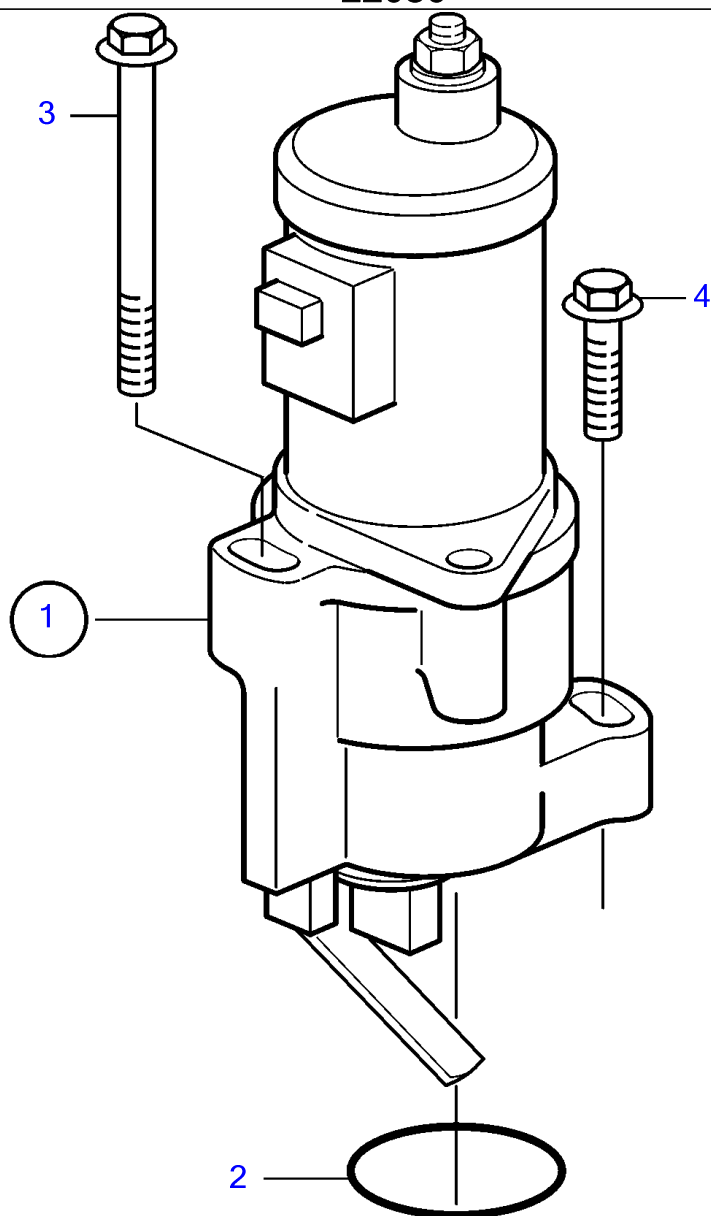
Ref	Part No.	Qty	Description	Notes
1	20726077	1	Coolant pump	
2	20405691	1	Gasket	
3	20412324	3	Flange screw	
4	20412313	1	Hose connection	
5	947622	1	Gasket	(20549894)
6	20412325	2	O-ring	
7	20405693	1	Spacer	
8	20405688	1	Housing	
9	20506125	1	Thermostat	5L-Engines
	20460312	1	Thermostat	7L-Engines
10	20441519	1	O-ring	
11	20405519	1	Bleeder screw	
12	20405517	1	Gasket	
13			V-belt pulley	



22004

26 Water Pump and Thermostat Housing with Bracket for Fan.
TAD732GE, TAD733GE

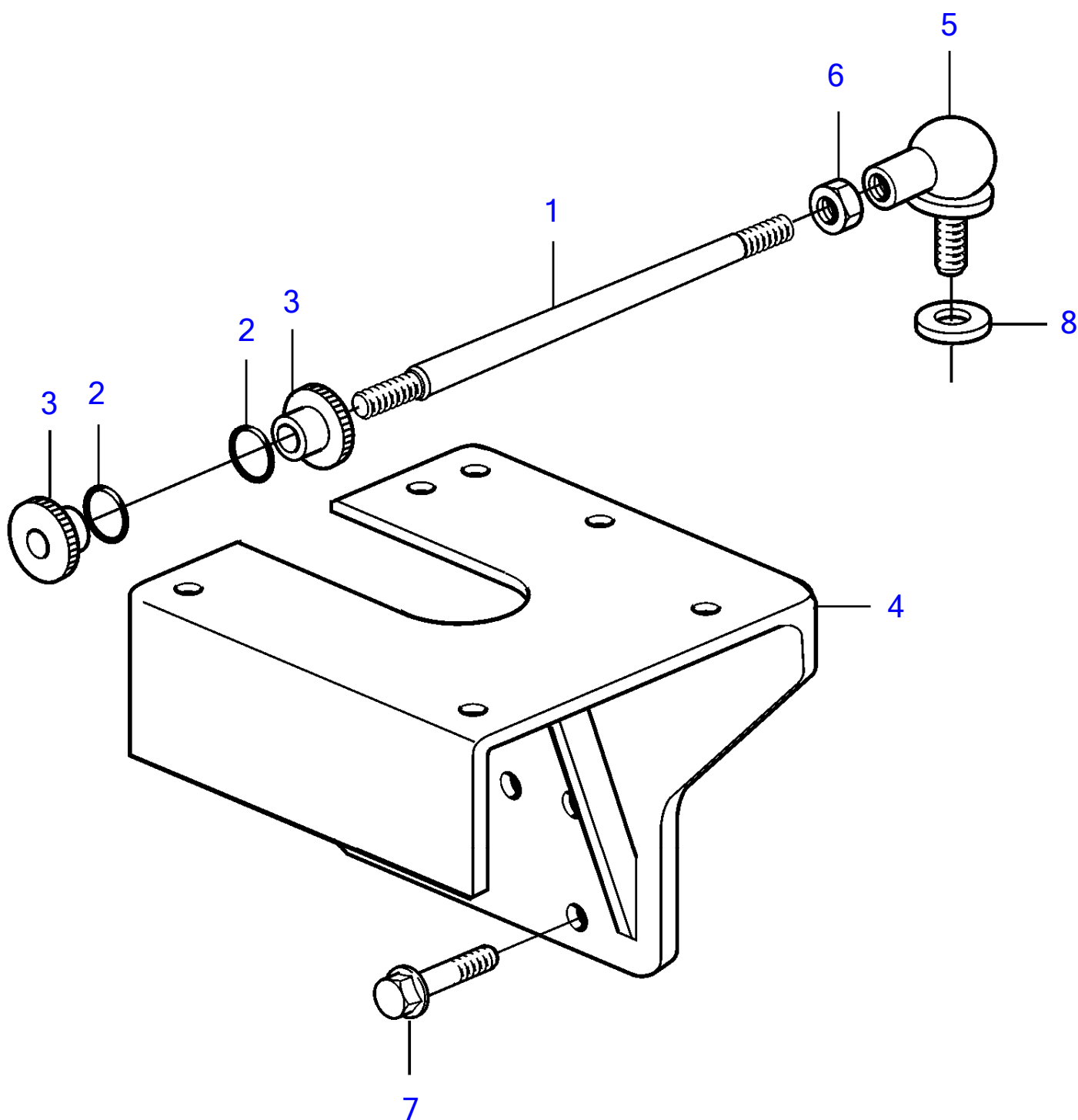
Ref	Part No.	Qty	Description	Notes
1	21160271	1	Fan bracket	SN-01099383
	21160271	1	Fan bracket	SN01099384-
2	20459007	1	• Bracket	Bracket/ Cyl.Block use Sealant 22618325
3	21125771	1	• Coolant pump	SN01099384-10644021, Replaced by 21247955, Replaced by 21404502
	21404502	1	• Coolant pump	SN10644022-
4	984734	4	• Flange screw	
5	20459005	1	• Sealing ring	
6	984741	7	• Flange screw	
7	20405519	2	• Bleeder screw	
8	947281	2	• Gasket	
9	20459009	1	• Cap	
10	20412313	1	Hose connection	
11	947622	1	Gasket	(20549894)
12	20450737	1	O-ring	
13	20450739	1	O-ring	
14	20412325	2	O-ring	
15	20798043	1	Intermediate tube	(20547365)
16	20450732	1	Housing	Replaced by 21955857
	21955857	1	Housing	
17	20459961	1	Sealing ring	
18	20460312	1	Thermostat	
19	20450735	1	Outlet pipe	
20	973924	2	Flange screw	
21	20459195	1	Plug	
22	20549895	1	Gasket	
23	973924	3	Flange screw	
24	20412341	1	Gasket	



27 Stop Solenoid, Energized to Run

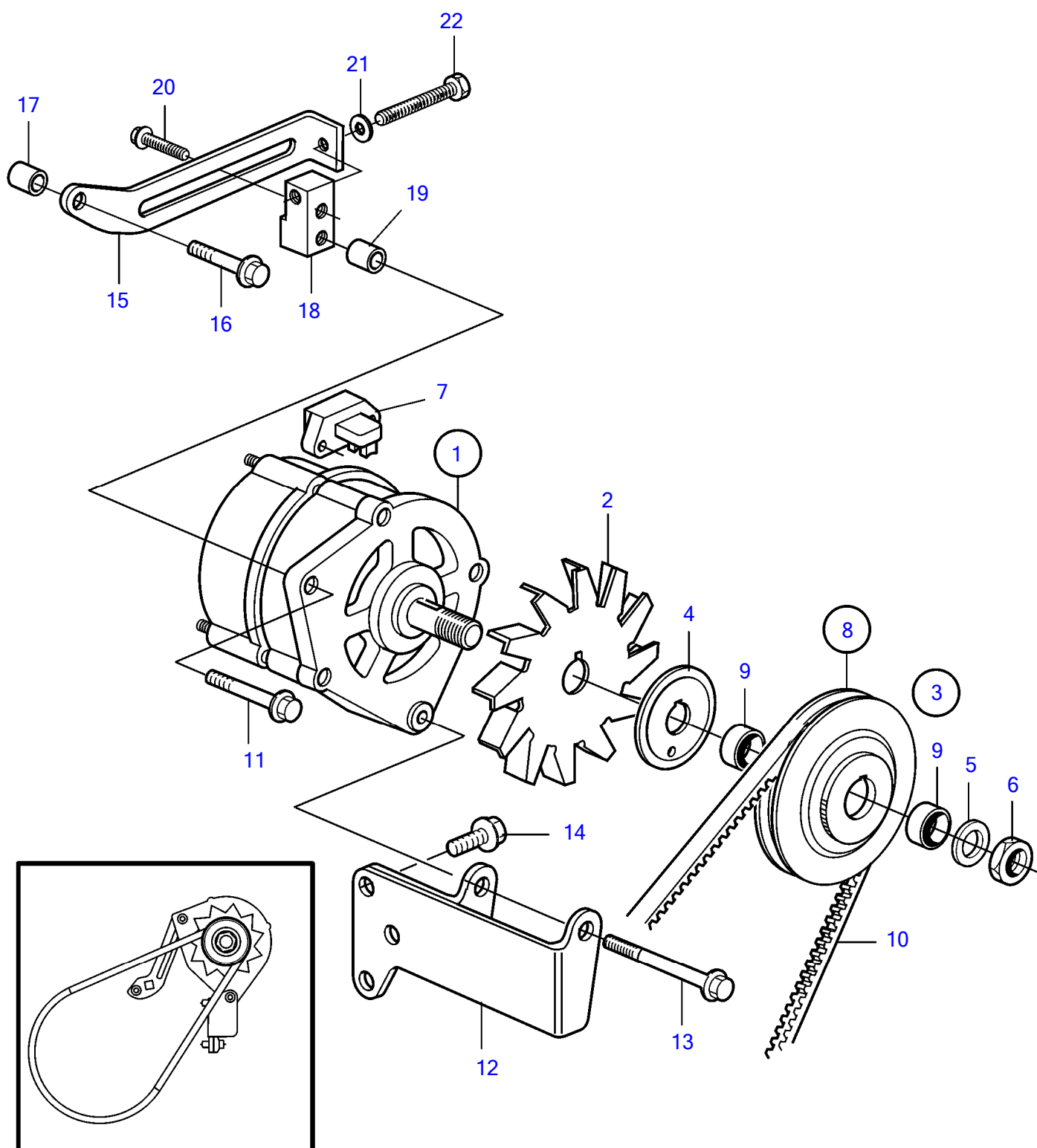
TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE

Ref	Part No.	Qty	Description	Notes
1	20460335	1	Shut-off valve	12V, Only mechanical version, SN-10619636
	21191698	1	Control system	12V, Only mechanical version, SN10619637-
	20463928	1	Solenoid	24V, Only mechanical version, SN-10631248
	21175959	1	Solenoid	24V, Only mechanical version, SN10631249-
2	20405728	1	• Sealing ring	
3	11700269	1	Screw	(20532681)
4	984735	1	Flange screw	(20441520)
5	20758137	1	Plug	Closing parts, supplementary mounting of solenoid possible. engine shut- down via shut-do
6	20405728	1	Sealing ring	
7	20711881	1	Screw	



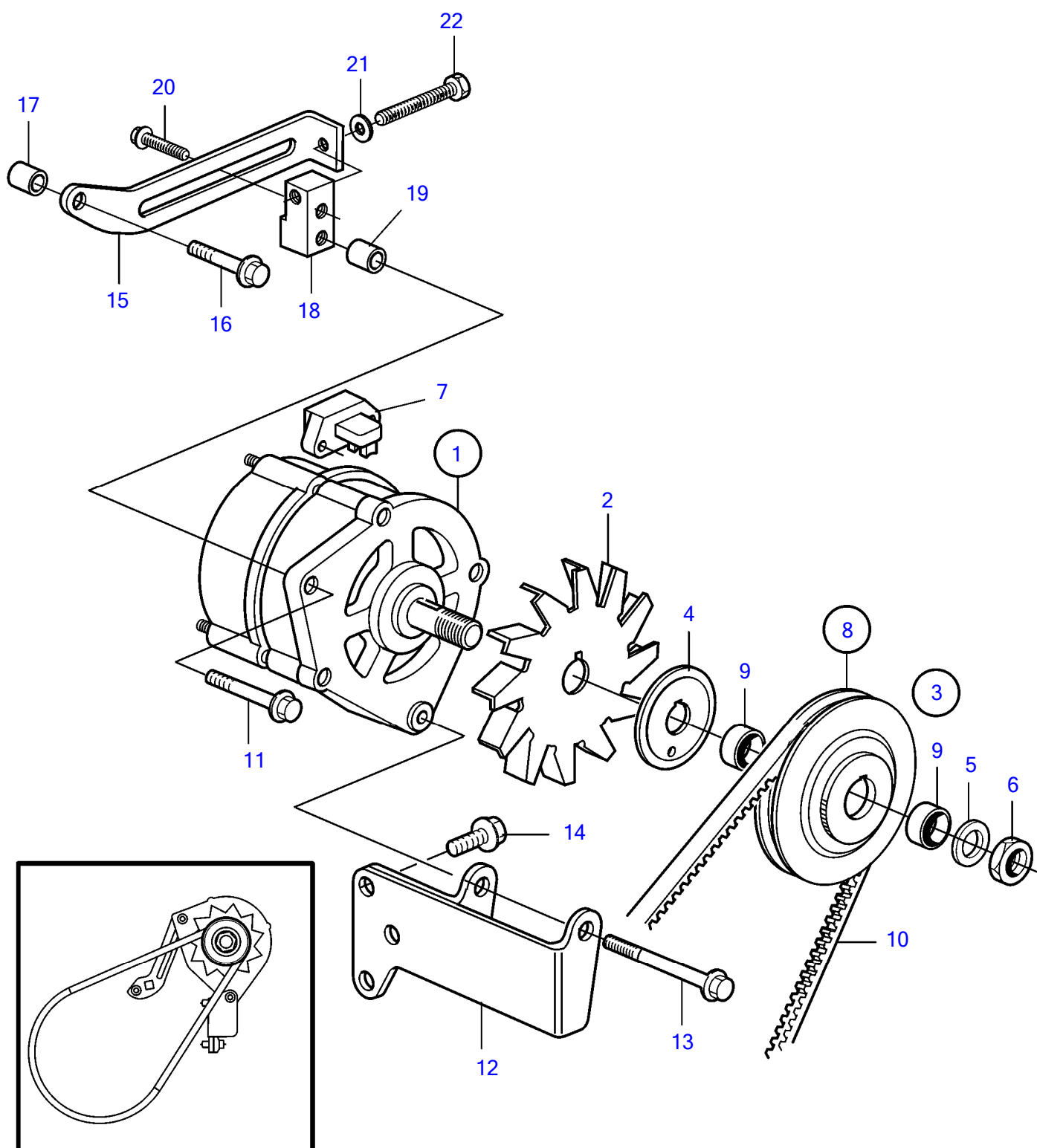
27 Manual Speed Control
TD720GE

Ref	Part No.	Qty	Description	Notes
1	20543148	1	Screw	L=200mm
2	20543149	2	Washer	
3	20543150	2	Nut	
4	3884205	1	Bracket	
5	20543152	1	Ball joint	
6	955781	1	Hexagon nut	
7	20405792	3	Flange screw	
8	973494	2	Washer	



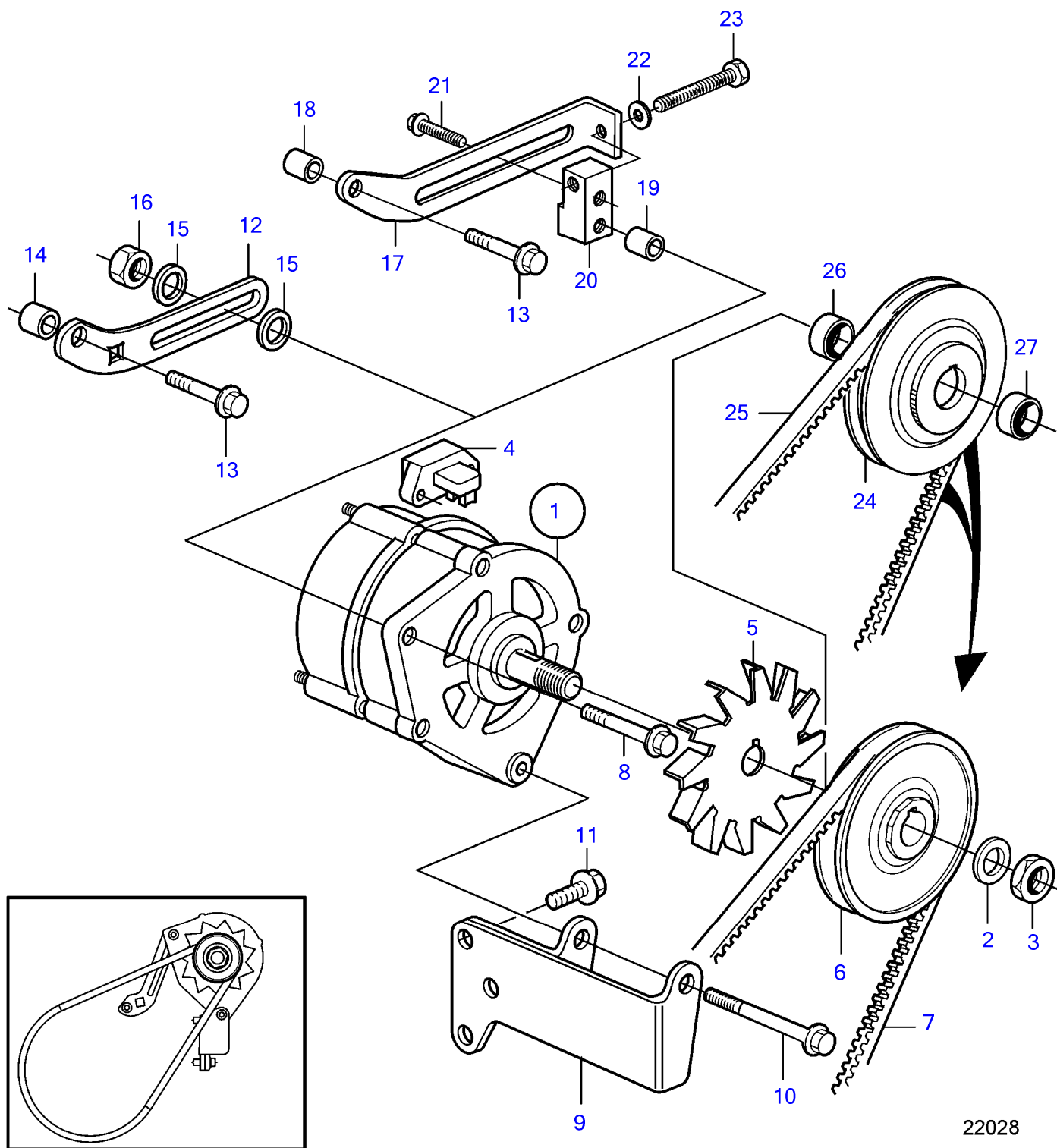
30 Alternator, 14V 55A
 TAD530GE, TAD531GE, TAD532GE, TAD730GE, TAD731GE

Ref	Part No.	Qty	Description	Notes
1	20571565	1	Alternator, 14V 55A	
	3803881	1	Alternator, exch, 14V 55A, exch	
	3803881	1	Alternator, exch	
			• parts not sold separately	
2	(20412484)	1	• Fan	Obsolete part
3	22467816	1	• Mounting kit	
4	20798346		• • Spacer	
5	20549886	1	• • Spring washer	
6	20441521	1	• • Hexagon nut	
7	20798462	1	• Charge regulator	SN-010535879
	21184083	1	• Voltage regulator	SN010535880-
8	20798454	1	Pulley	
9		2	• Ring	
10	20701268	1	Belt	
11	20412324	1	Flange screw	L=35mm
	20460448	1	Bracket	
12	20460448	1	Bracket	
13	955306	1	Hexagon screw	L=75mm
	11700269	1	Screw	L=65mm
14	984735	3	Flange screw	
15	20797044	1	Lock strap	
16	20405917	1	Flange screw	
17	20798457	1	Bushing	L=39mm
18	20776770	1	Tensioner	
19	20778161	1	Bushing	
20	984734	1	Flange screw	
21	20460127	1	Washer	
22	20516135	1	Hexagon screw	



30 Alternator, 28V 35A
 TAD530GE, TAD531GE, TAD532GE, TAD730GE, TAD731GE

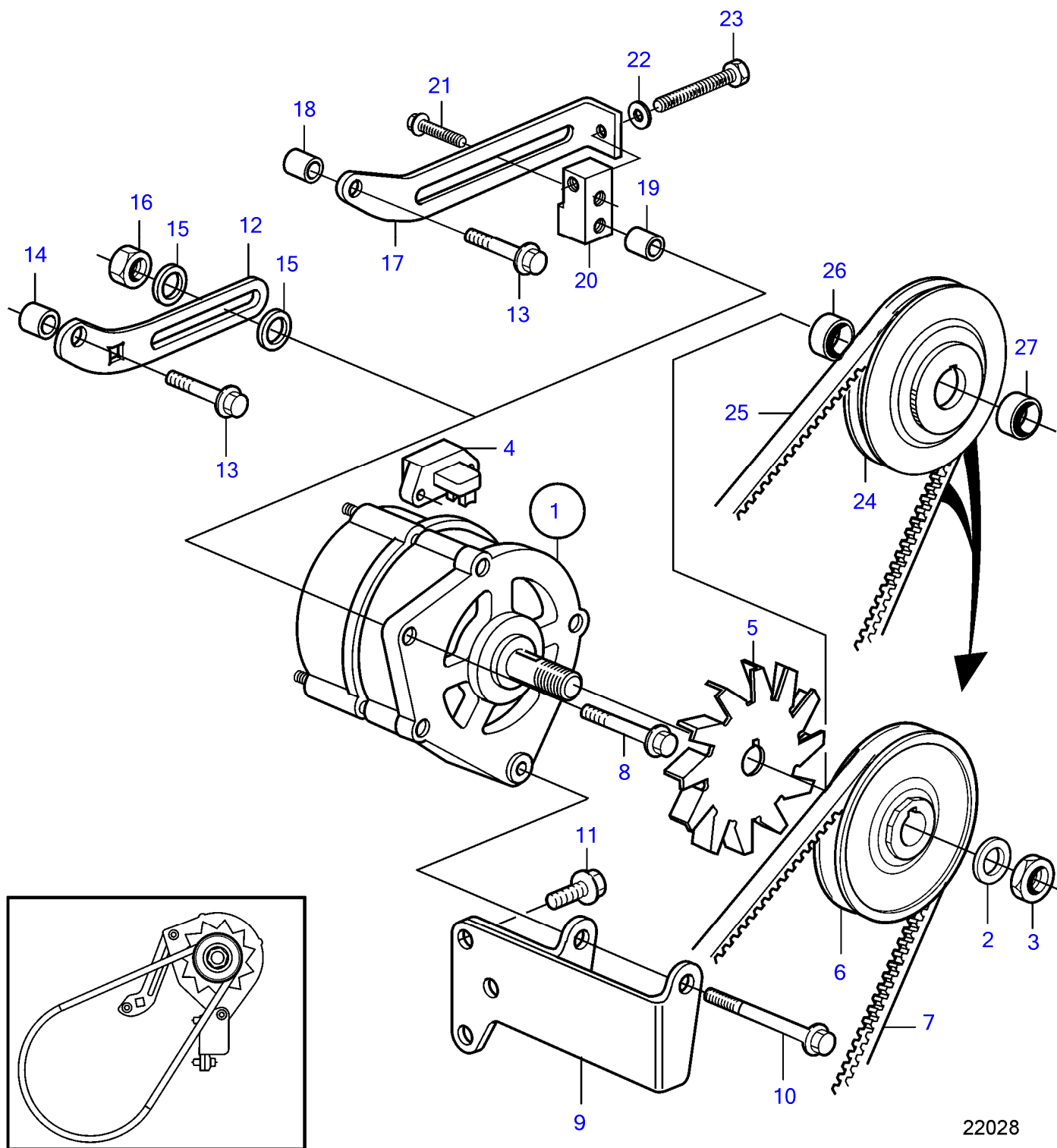
Ref	Part No.	Qty	Description	Notes
1	20412735	1	Alternator	
	3803512	1	Alternator, exch, exch	
	20584337	1	Alternator, 28V 35A	
	3803969	1	Alternator, exch, 28V 35A, exch	
	3803969	1	Alternator, exch	
			• parts not sold separately	
2	(20798465)	1	Fan	Obsolete part, (20412484)
3	22467816	1	• Mounting kit	
4	20798346		• • Spacer	
5	20549886	1	• • Spring washer	
6	20441521	1	• • Hexagon nut	
7	20797555	1	• Voltage regulator	(20412736)
	20412578	1	• Voltage regulator	For 20412735
8	20776767	1	Pulley	Replaced by 20756549
	20756549	1	Pulley	
9		2	Spacer ring	
10	20701268	1	Belt	
11	20412324	1	Flange screw	L=35mm
12	20460448	1	Bracket	
13	955306	1	Hexagon screw	
14	984735	3	Flange screw	
15	20797044	1	Lock strap	
16	20405917	1	Flange screw	
17	20798457	1	Bushing	
18	20776770	1	Tensioner	
19	21243518	1	Bushing	
20	984734	1	Flange screw	
21	20460127	1	Washer	
22	20516135	1	Hexagon screw	



22028

**30 Alternator, 14V 55A
TD520GE, TD720GE**

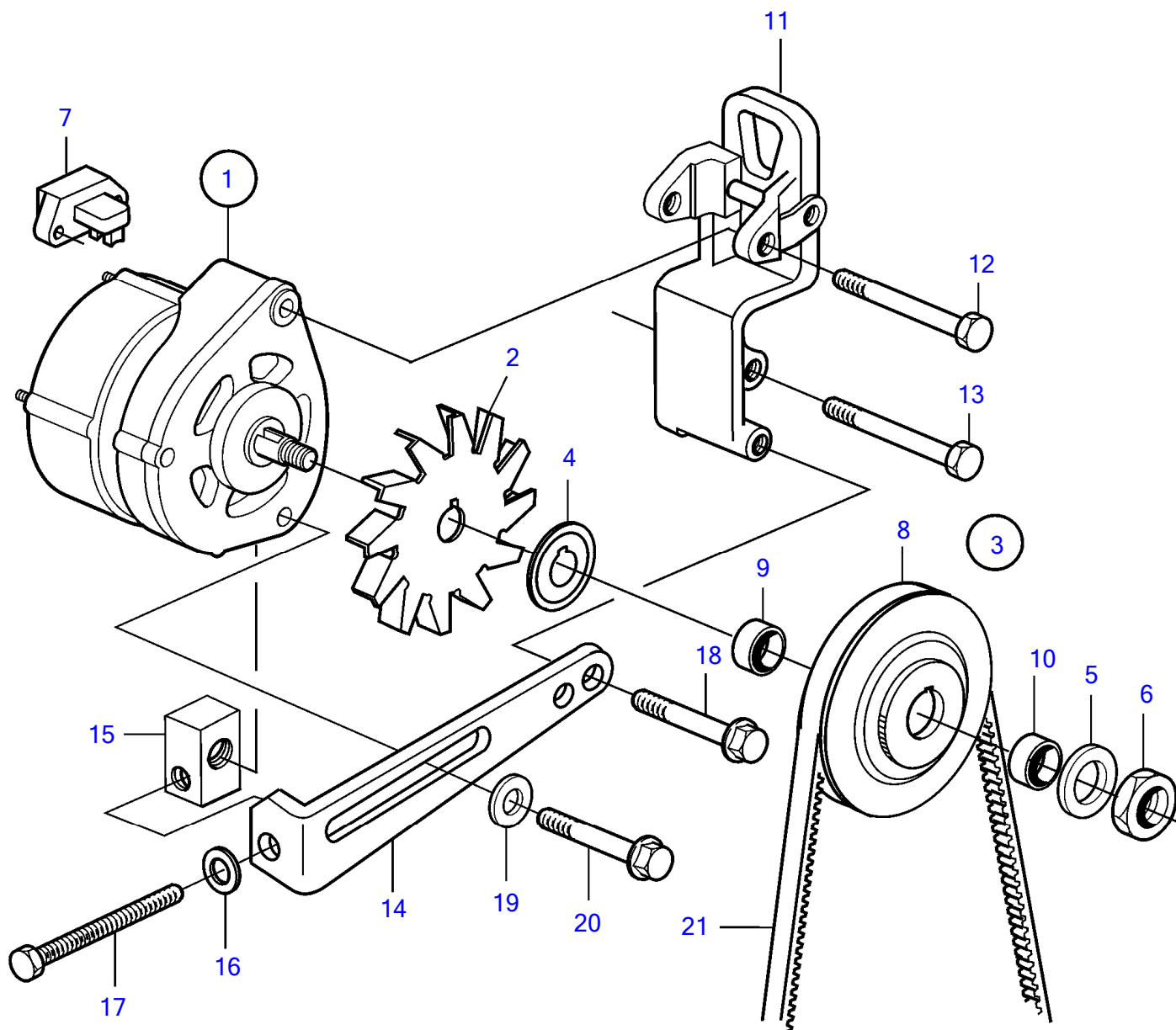
Ref	Part No.	Qty	Description	Notes
1	20405794	1	Alternator, 14V 55A	SN-1025582
	20571565	1	Alternator, 14V 55A	SN1025583-
	3803881	1	Alternator, exch, 14V 55A, exch	SN1025583-
	3803881	1	Alternator, exch	
			• parts not sold separately	
2	20549886	1	• Spring washer	
3	20441521	1	• Hexagon nut	
4	20798462	1	• Charge regulator	SN-010535879
	21184083	1	• Voltage regulator	SN010535880-
5	(20412484)	1	Fan	Obsolete part
6	20405796	1	Pulley	SN-1025582
7	978515	1	V-belt	SN-1025582
8	20412324	1	Flange screw	L=35mm, SN-1025582
	955306	1	Hexagon screw	# 17, 19 and 20., L=75mm, SN1025583-
	11700269	1	Screw	L=65mm
9	20460448	1	Bracket	
10	955306	1	Hexagon screw	
11	984735	3	Flange screw	(20441520)
12	20405804	1	Tensioner	SN-1025582
13	20405917	1	Flange screw	
14	20405803	1	Bushing	
15	20405802	2	Washer	
16	20501349	1	Hexagon nut	
17	20797044	1	Lock strap	SN1025583-
18	20798457	1	Bushing	
19	20778161	1	Bushing	L=39mm
20	20776770	1	Tensioner	
21	984734	1	Flange screw	
22	20460127	1	Washer	
23	20516135	1	Hexagon screw	
24	20756549	1	Pulley	(20776767), SN1025583-
25	20592177	1	V-belt	Fan Belt, SN1025583-, See parts bulletin, group 26-3 No 1.
			• Bulletin P-26-3-1	Fan, Pulley / Drive Belt
26	20798454	1	Pulley	(20798216)
27	20798454	1	Pulley	(20798204)



22028

**30 Alternator, 28V 35A
TD520GE, TD720GE**

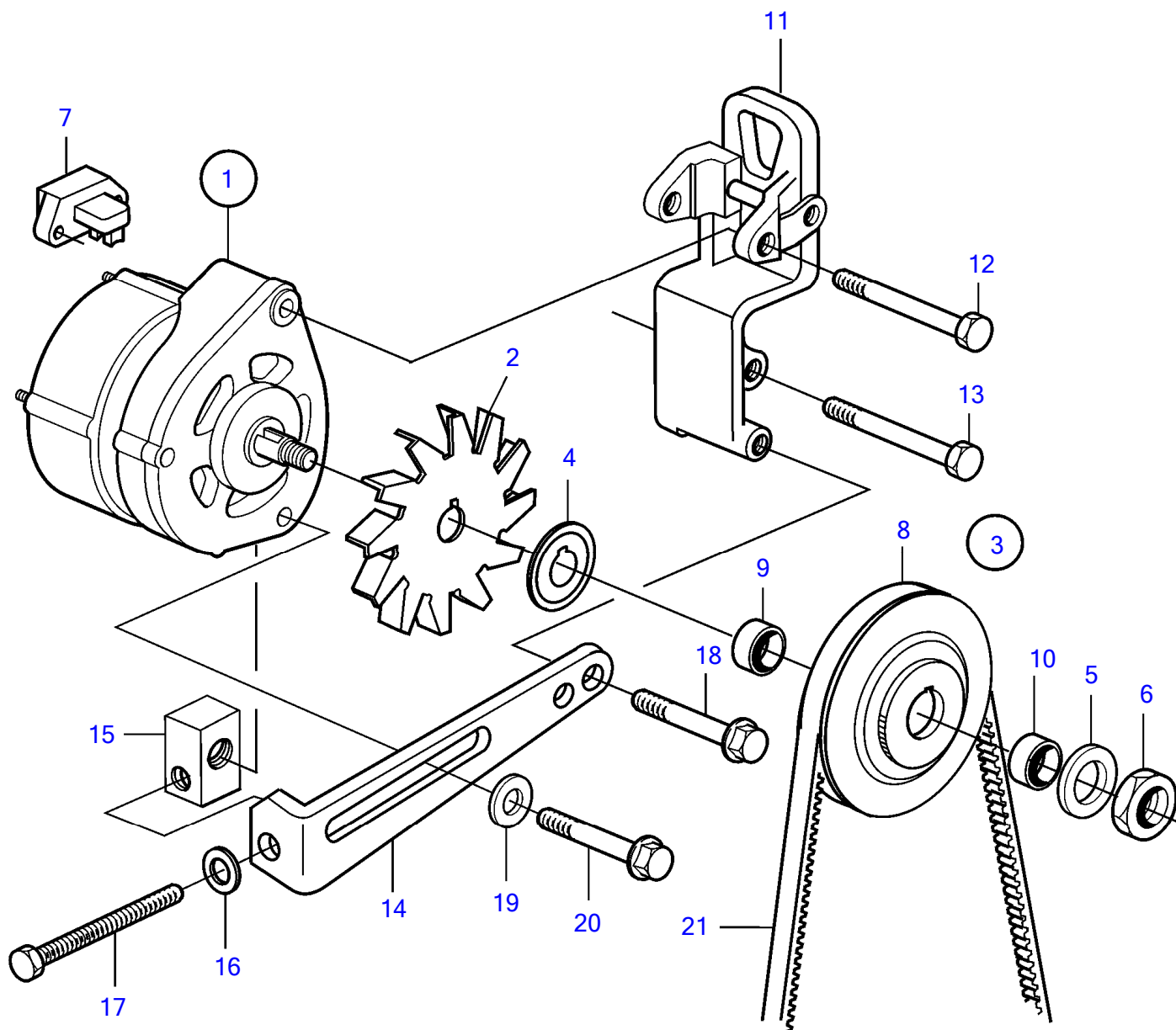
Ref	Part No.	Qty	Description	Notes
1	20412735		Alternator	
	3803512		Alternator, exch, exch	
	20584337	1	Alternator, 28V 35A	(20412735)
	3803969	1	Alternator, exch, 28V 35A, exch	(20412735)
			• parts not sold separately	
2	20549886	1	• Spring washer	
3	20441521	1	• Hexagon nut	
4	20412736	1	• Voltage regulator	
	20412578	1	• Voltage regulator	For 20412735
5	(20412484)	1	Fan	Obsolete part
6	20405796	1	Pulley	
7	978515	1	V-belt	
8	20412324	1	Flange screw	L=35mm
	955306	1	Hexagon screw	Later production, # 17, 19 and 20., L=75mm
	11700269	1	Screw	L=65mm
9	20460448	1	Bracket	
10	955306	1	Hexagon screw	
11	984735	3	Flange screw	(20441520)
12	20405804	1	Tensioner	Earlier production version.
13	20405917	1	Flange screw	
14	20405803	1	Bushing	
15	20405802	2	Washer	
16	20501349	1	Hexagon nut	
17	20797044	1	Lock strap	SN01098272-
18	20798457	1	Bushing	
19	20778161	1	Bushing	L=39mm
20	20776770	1	Tensioner	
21	984734	1	Flange screw	
22	20460127	1	Washer	
23	20516135	1	Hexagon screw	
24	20756549	1	Pulley	Later production, (20776767)
25	20701268	1	Belt	SN1025583-
26	20798454	1	Pulley, Spacer	Later production, (20798216)
27	20798454	1	Pulley, Spacer	Later production, (20798204)



27517

**30 Alternator, High Mounted Right Side 14V 55A
TAD732GE, TAD733GE**

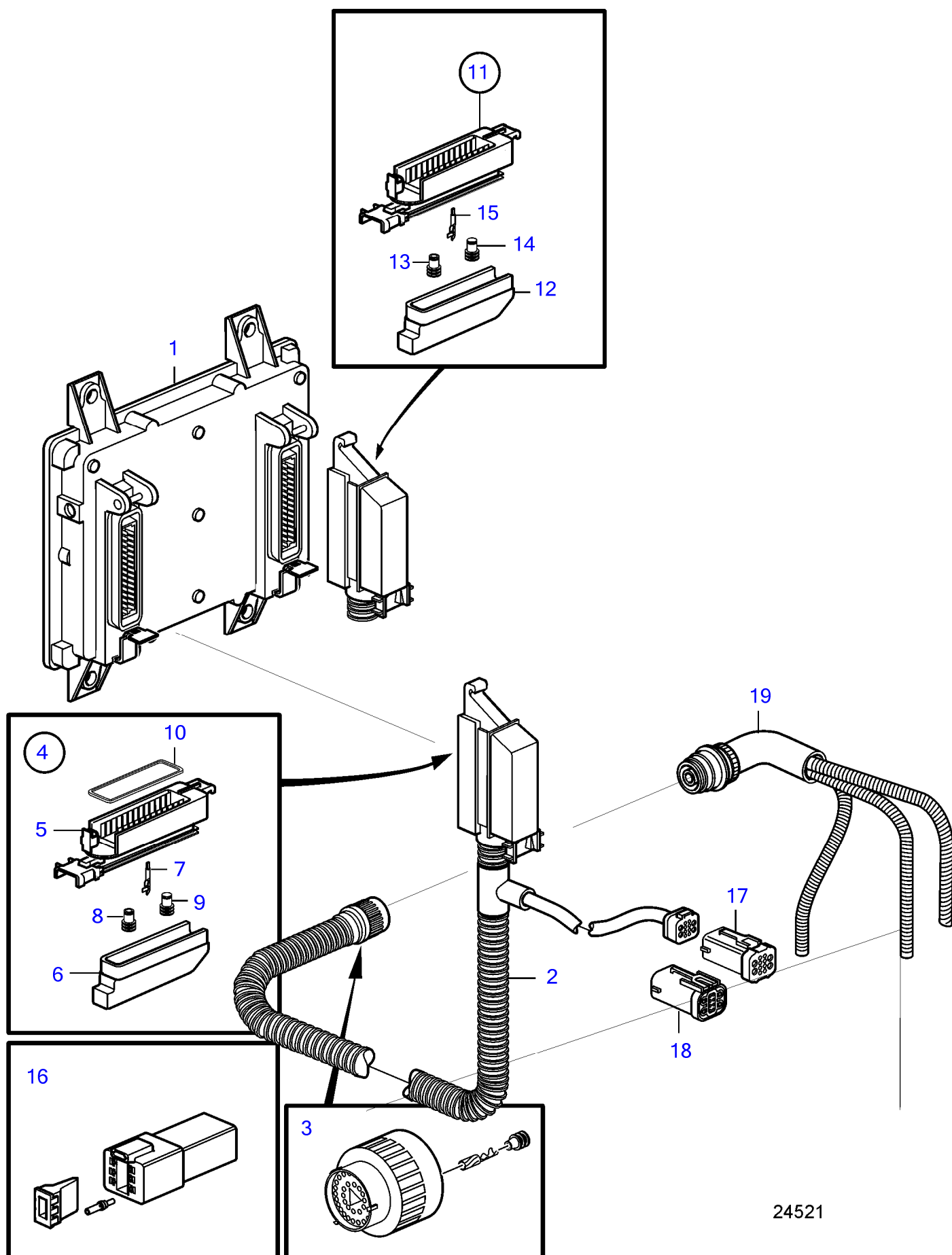
Ref	Part No.	Qty	Description	Notes
1	20571565	1	Alternator, 14V 55A	For separate fan bracket.
	3803881	1	Alternator, exch, 14V 55A, exch	For separate fan bracket.
	3803881	1	Alternator, exch	
			• parts not sold separately	
2	(20798465)	1	• Fan	Obsolete part
3	22467816	1	• Mounting kit	
4	20798346	1	• • Spacer	
5	20539564	1	• • Washer	
6	20441521	1	• • Hexagon nut	
7	20798462	1	• Charge regulator	SN-010535879
	21184083	1	• Voltage regulator	SN010535880-
8	20799510	1	V-belt pulley	
	20799510	1	V-belt pulley	
9	20798454	1	Pulley, Spacer	
10	20798454	1	Pulley, Spacer	
11	20459033	1	Bracket	
12	984741	1	Flange screw	
13	20540915	4	Hexagon screw	
14	20795935	1	Lock strap	
15	20798373	1	Lock piece	
16	20460127	1	Washer	
17	20516135	1	Hexagon screw	
18	984735	1	Flange screw	
19	20460365	1	Washer	
20	20405504	1	Flange screw	
21	20797199	1	V-belt	L=785mm, B=11mm



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30 Alternator, High Mounted Right Side 28V 35A
TAD732GE, TAD733GE

Ref	Part No.	Qty	Description	Notes
1	20412735	1	Alternator	
	3803512	1	Alternator, exch, exch	
	20584337	1	Alternator, 28V 35A	For separate fan bracket.
	3803969	1	Alternator, exch, 28V 35A, exch	For separate fan bracket.
	3803969	1	Alternator, exch	
			• parts not sold separately	
2	(20798465)	1	• Fan	Obsolete part
3	22467816	1	• Mounting kit	
4	20798346	1	• • Spacer	
5	20539564	1	• • Washer	
6	20441521	1	• • Hexagon nut	
7	20797555	1	• Voltage regulator	
	20412736	1	• Voltage regulator	For 20412735
8	20799510	1	V-belt pulley	B=10mm
	20798454	1	Pulley	
9		1	• Ring	
10		1	• Ring	
11	20459033	1	Bracket	
12	984741	1	Flange screw	
13	20540915	4	Hexagon screw	
14	20795935	1	Lock strap	
15	20798373	1	Lock piece	
16	20460127	1	Washer	
17	20516135	1	Hexagon screw	
18	984735	1	Flange screw	
19	20460365	1	Washer	
20	20405504	1	Flange screw	
21	20797199	1	V-belt	L=785mm, B=11mm

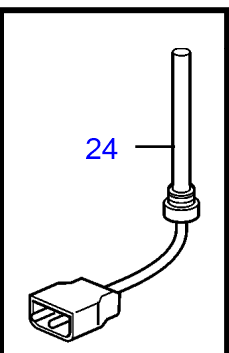
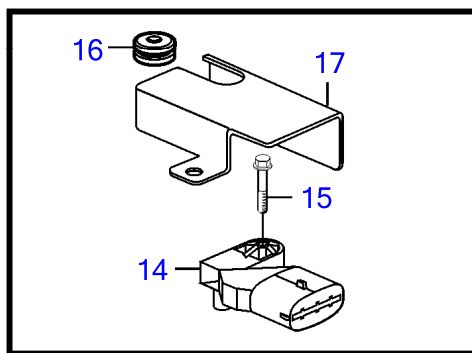
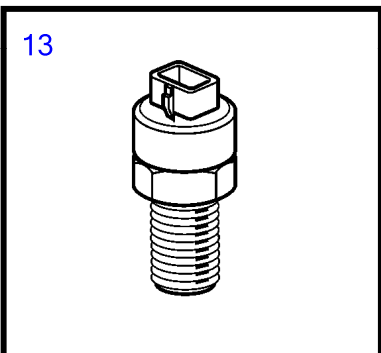
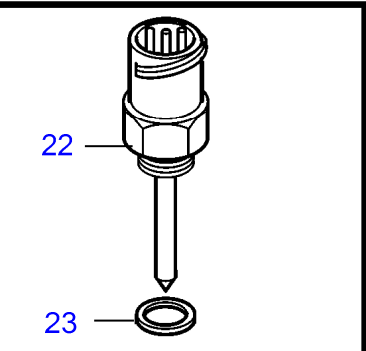
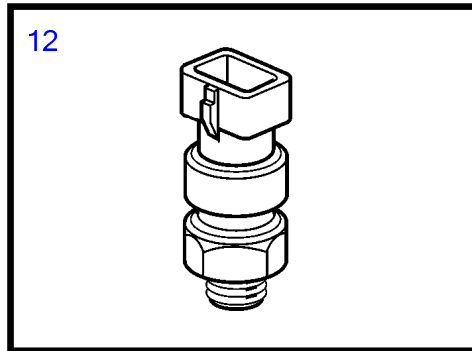
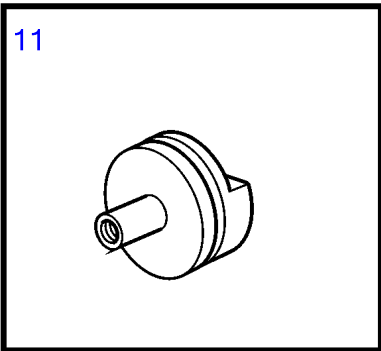
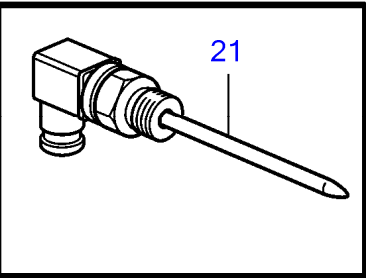
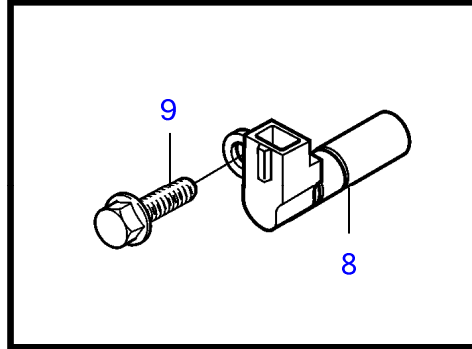
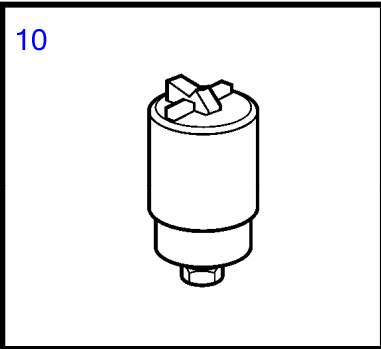
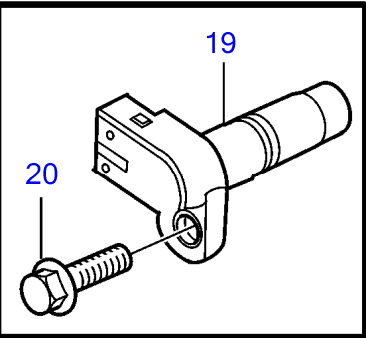
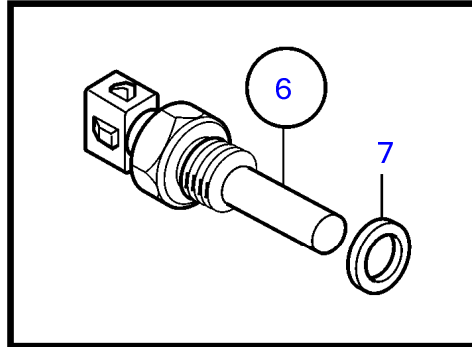
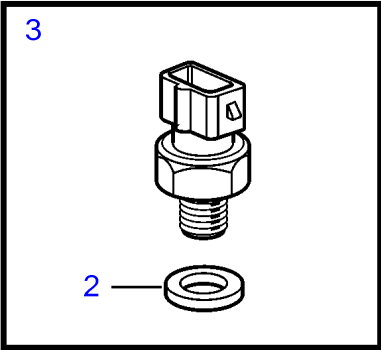
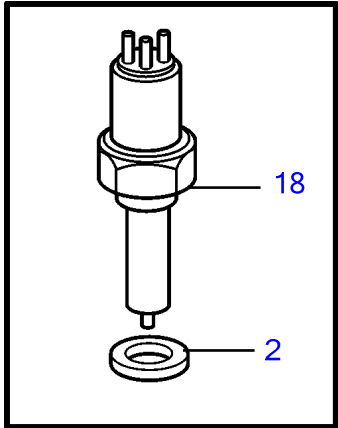
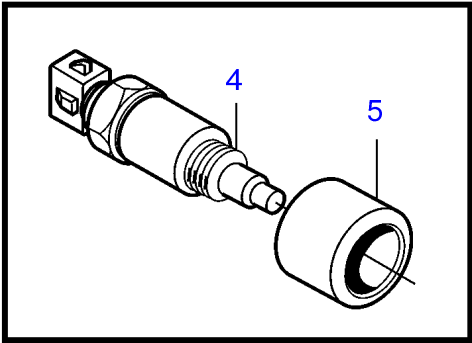
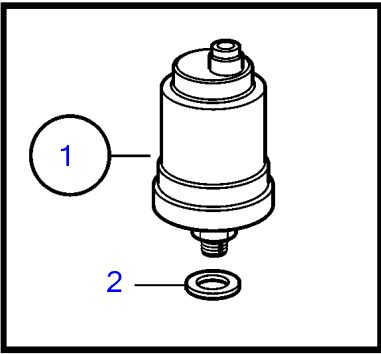


24521

30 Control Unit and Connection Cable

TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE

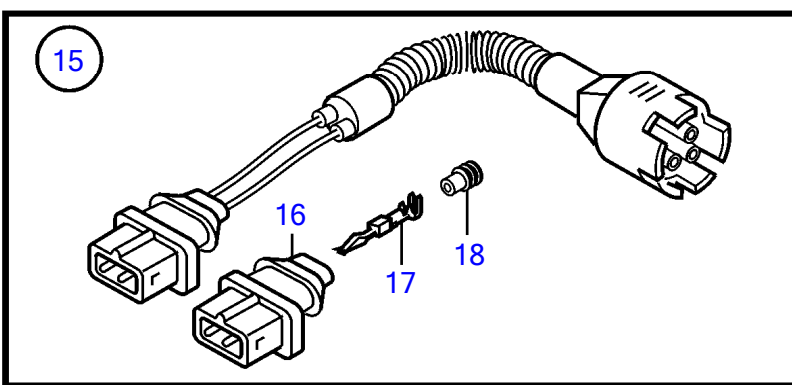
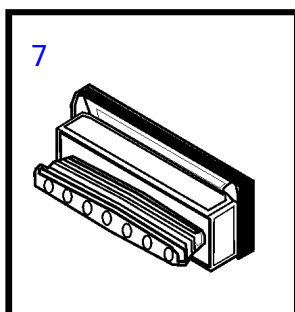
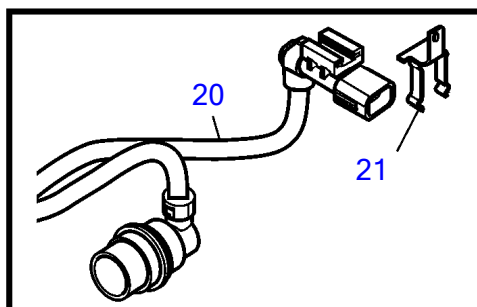
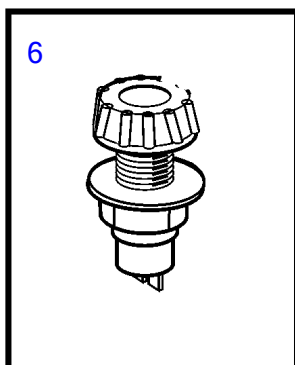
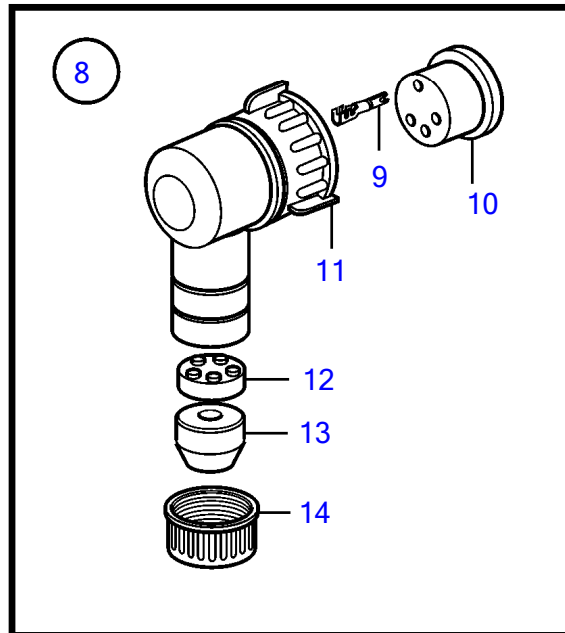
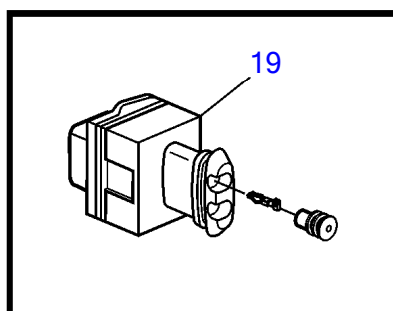
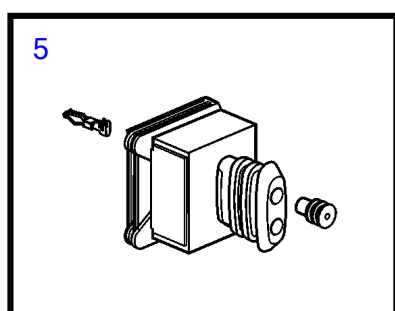
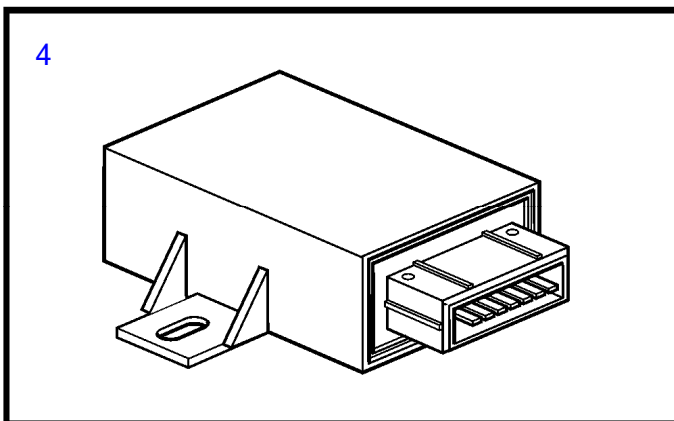
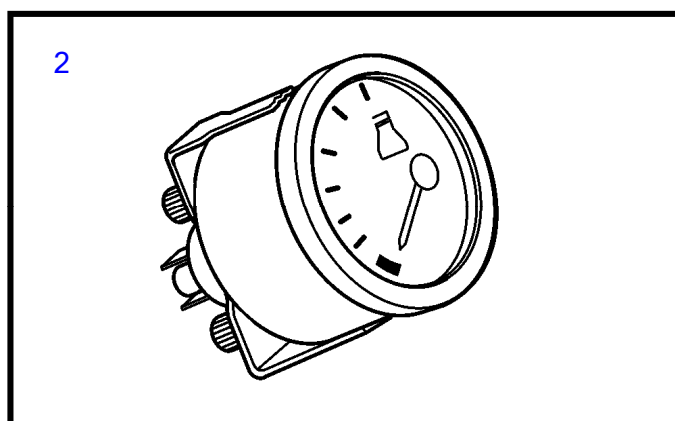
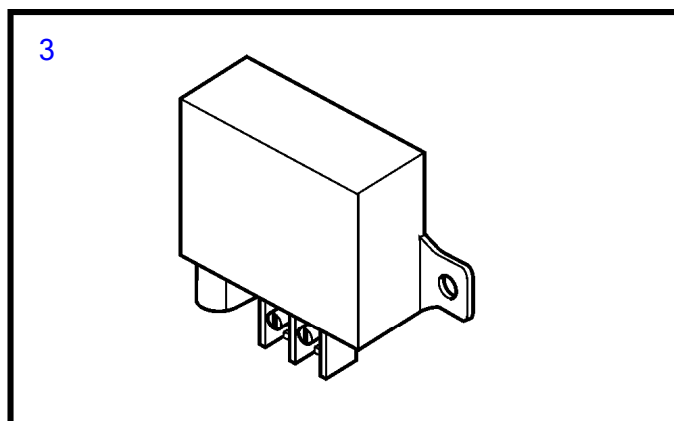
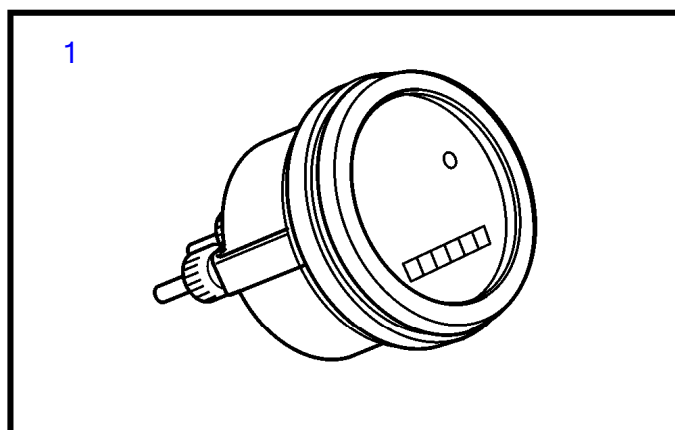
Ref	Part No.	Qty	Description	
1	3586271	1	Control unit, EDC iv • Bulletin P-28-4-10	Without high altitude sensor, With software, Bulletin P-28-4-10 ECU and Software Related Changes
1	20845001	1	Control unit, EDC iv	SN10080804-10954522, Without high altitude sensor, no software, to be programmed by
	22256346	1	Control unit, EDC iv	SN10954523-, Without high altitude sensor, no software, to be programmed by
	3586270	1	Control unit, EDC iv • Bulletin P-28-4-10	With high altitude sensor, With software ECU and Software Related Changes
1	20844999	1	Control unit, EDC iv	SN10084601-10952913, With high altitude sensor, No software, to be programmed by
	22347693	1	Control unit, EDC iv	SN10952914-, With high altitude sensor, No software, to be programmed by
2	20585159	1	Cable, engine side	TD520GE, TAD520GE:Electrical system EDC IV. SN0935274-, TD720GE, TAD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE
	20585162	1	Wiring harness, engine side	TD520GE, TAD520GE:Electrical system EDC IV. SN0935274-, TD720GE, TAD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE
	20555343	1	Wiring harness, engine side	TD520GE, TAD520GE:Electrical system EDC IV. SN-0935273, TD720GE, TAD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE
	20556333	1	Wiring harness	TD520GE, TAD520GE:Electrical system EDC IV. SN-0935273, TD720GE, TAD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE
3	20556427	1	Cable connection, engine side	
4	20556430	1	Cable connection, connector	
5	20593264	1	• Bearing housing	
6	20459894	1	• Cover	
7	20459895	21	• Terminal	
8	20459897	21	• Gasket	
9	20459896	15	• Plug	
10	20593327	1	• Gasket	
11	20459893	1	Cable connection, connector	
12	20459894	1	• Cover	
13	20459897	21	• Gasket	
14	20459896	15	• Plug	
15	20459895	21	• Terminal	
16	20593342	1	Connector	Vodia Connector (6-pin Deutch)
17	20727014	1	Connector	AUX connector, 12 pin
18	20798133	1	Protecting cap	For AUX connector
19		1	Wiring harness, EDC iv	Electrical system EDC IV



30 Contacts and Sensors

TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE

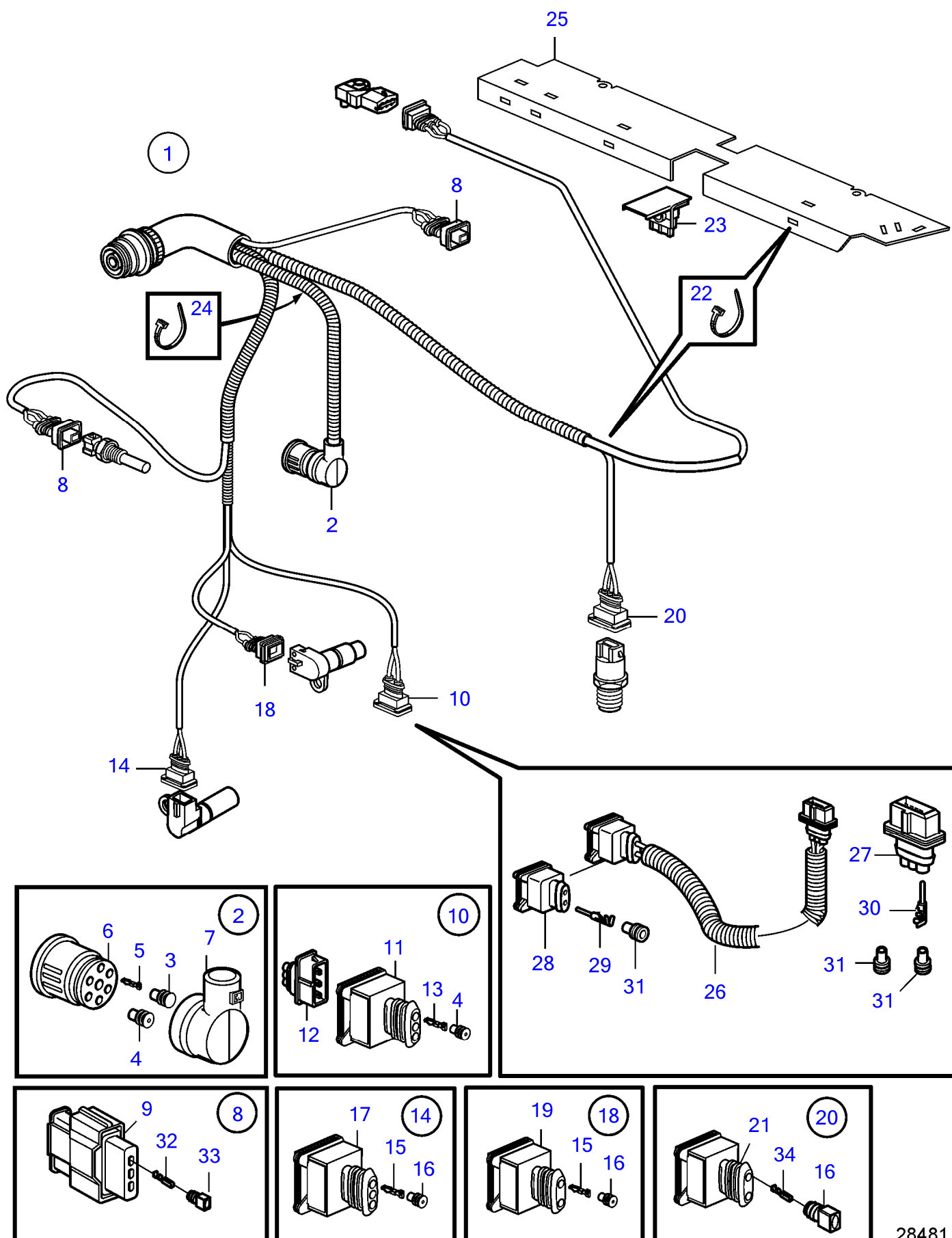
Ref	Part No.	Qty	Description	Notes
1	20405778	1	Switch, oil pressure	SN-01098542
	20924083	1	Pressure sensor	SN01098543-
2	969011	1	• Gasket	
3	21001502	1	Switch, oil pressure	
	20585158	1	Sensor, switch	EDC IV, Replaced by 21291011.
	21291011	1	Pressure sensor	
4	20924086	1	Sensor, coolant water	(20543720)
5	20405788	1	Rubber sleeve	
6	20513340	1	Sensor, switch	(20450685)
7	969011	1	• Gasket	
8	20459868	1	Sensor	On the flywheel casing., Replaced by 20511126
	20511126	1	Sensor	On the flywheel casing., Replaced by 20964264
	20964264	1	Sensor	L=55,5, Mechanical.
	20924088	1	Sensor	L=67,9, EDC4
9	967949	2	Flange screw	
10	20553463	1	Sensor, charge air pressure/temp	Servicetemperature -40° to +120°.
11	20460349	1	Indicator	
12	20460353	1	Temperature sensor	Servicetemperature -30° to +130°, 12V-24V
13	20459882	1	Sensor, pressure sensor	3-pin charge pressure sensor., EDC IV, SN-00938971
14	20524936	1	Pressure sensor, charge air pressure/temp	4-pin charge pressure sensor., EDC IV, SN00938972-
15	20450728	1	Flange screw	
16	20715095	1	Closure	
17	20726096	1	Plate	
18	20412270	1	Level guard, switch	Coolant level., SN-11179811
	21876479	1	Sensor	Coolant level., SN11179812-
19	20459880	1	Sensor	For camshaft rpm, SN-01099383
	20924088	1	Sensor	SN01099384-
20	20459227	1	Hexagon screw	
21	3831439	1	Temperature sensor	
22	21091529	1	Switch, Coolant Level	SN-5311179772
	21708508	1	Switch, Coolant Level	SN5311179773-
23	969011	1	Gasket	
24	21661774	1	Level sensor	For expansion tank., Titan X



30 Electrical Materials

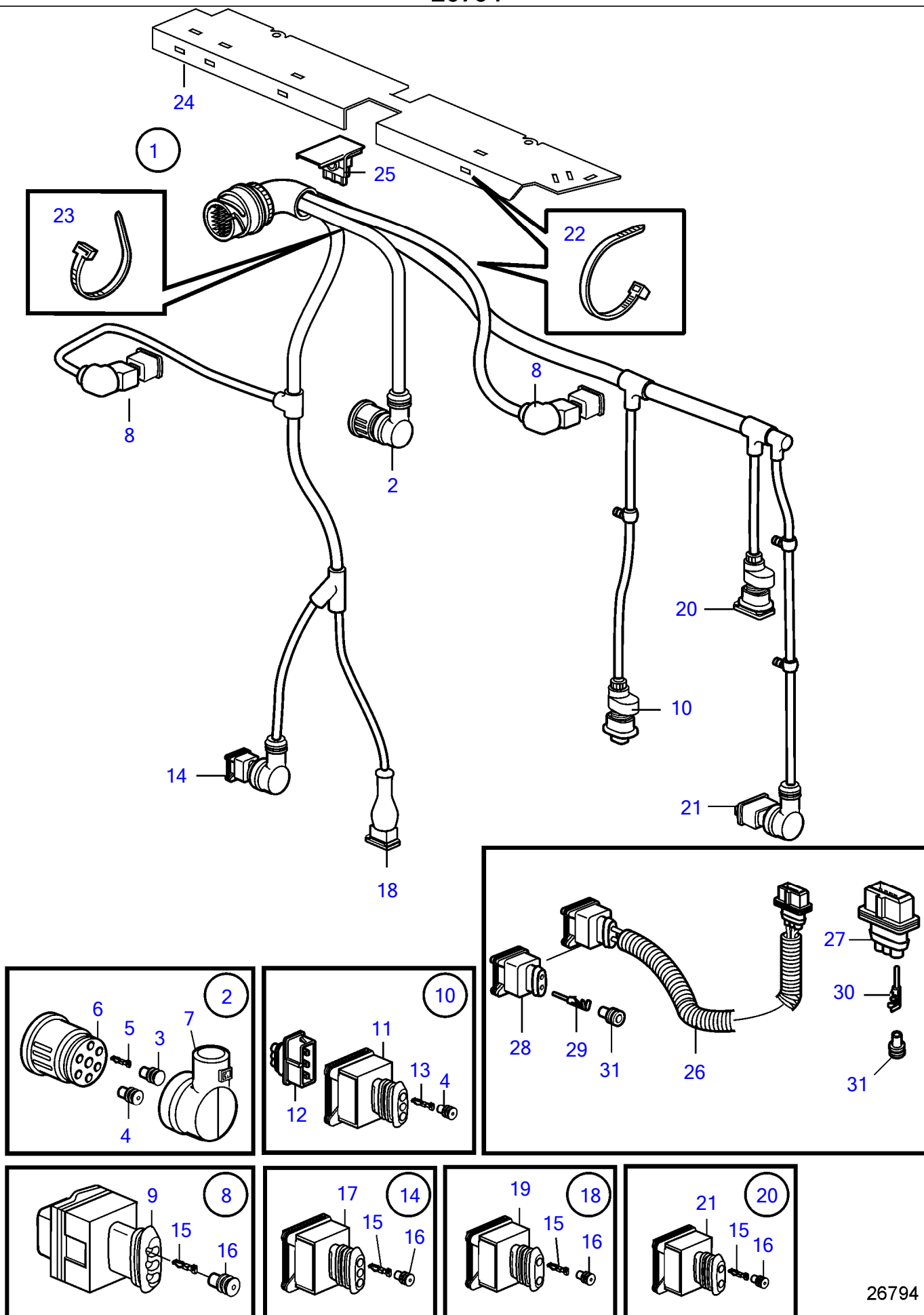
TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE

Ref	Part No.	Qty	Description	Notes
1	20412369	1	Instrument	
2	20967203	1	Pressure gauge	(20477254), 12V
	20963274	1	Pressure gauge	24V
	20963263	1	Temperature gauge	24V
3	20715643	1	Relay	For preheating, air-preheating., 12V
	20715645	1	Relay	For preheating, air-preheating., 24V
4	20563687	7	Relay, control unit	For glue time control unit.
5	20460338	1	Connector, tachometer sensor	
6	20460352	1	Control lamp	
7	20491254	1	Connector	For glue time control unit.
8	20556381	1	Plug	SN-11179811
	21800111	1	Plug	SN11179812-
9	20405863	3	• Jack	
10	20412337	1	• Housing	
11	20412344	1	• Bracket	
12	20412346	1	• Gasket	
13	20412445	1	• Sealing ring	
14	20412446	1	• Nut	
15	20405780	1	Cable	
16	20405781	1	• Connector	
17	20405782	2	• Pin connector	
18	20405783	2	• Gasket	
19	20512323	1	Plug	Goes together with 20715643 and 20715645
20	21664183	1	Cable	Coolant level., Titan X
21	22000980	1	Retainer	



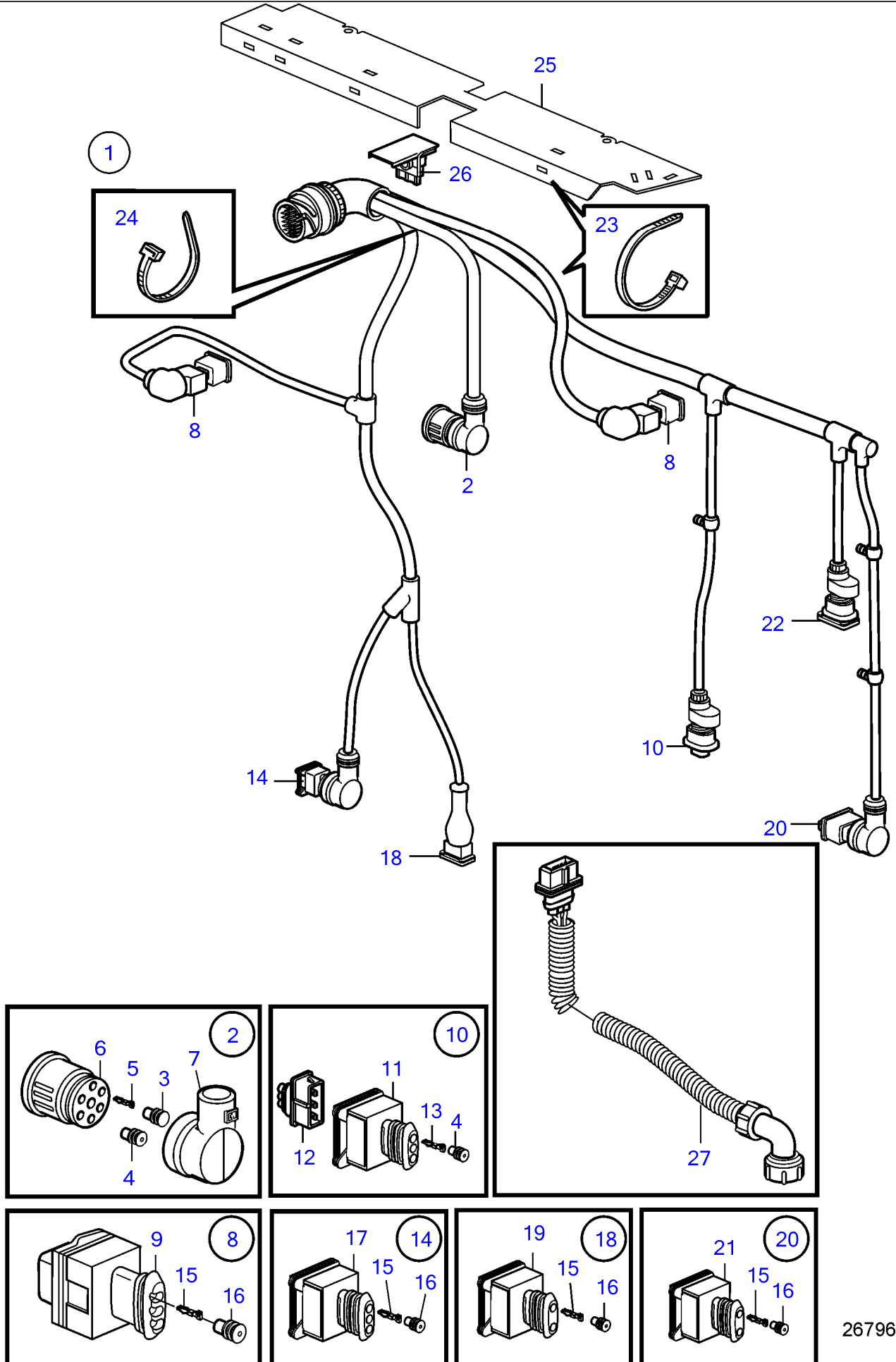
**30 Electrical System EDC IV . SN5300935274-
TD520GE, TAD530GE, TAD531GE, TAD532GE**

Ref	Part No.	Qty	Description	Notes
1	20585146	1	Wiring harness	SN-5301077756
	20795771		Wiring harness	SN5301077757-
2		1	• Angle contact, actuator	
3	20459896	5	• Plug	
4	20459897	5	• Gasket	
5	20550011	5	• Jack	
6	20550005	1	• Receptacle housing	
7	20550017	1	• Cap	
8		2	• Switch, coolant water temp.	
9	20482770	2	• Housing	
10		2	• Switch, switch	
11	20551334	1	• Housing	
12	20593555	1	• Housing	
13	20459895	3	• Terminal	
14		2	• Switch, impulse sensor	(SAE)
15	20482768	11	• Connector	
16	20405783	11	• Gasket	
17	20482767	2	• Housing	
18		1	• Switch, impulse sensor	Camshaft
19	24425837	1	• Housing	
20		1	• Switch, oil pressure /charge air	
21	20791610	1	• Bearing housing	
22	948211	5	Cable tie	
23	20513984	1	Cable tie	
24	20459964	1	Valve cover	
25	20711847	1	Cable clamp	
26	20727619	1	Connecting pipe	
27	20593555	1	Housing	
28	24425837	1	Housing	
29	20482768	3	Connector	
30	20585405	3	Pin	
31	20405783	6	Gasket	
32	20797575	3	Jack	
33	20459897	3	Gasket	
34	20792273	2	Cable terminal	



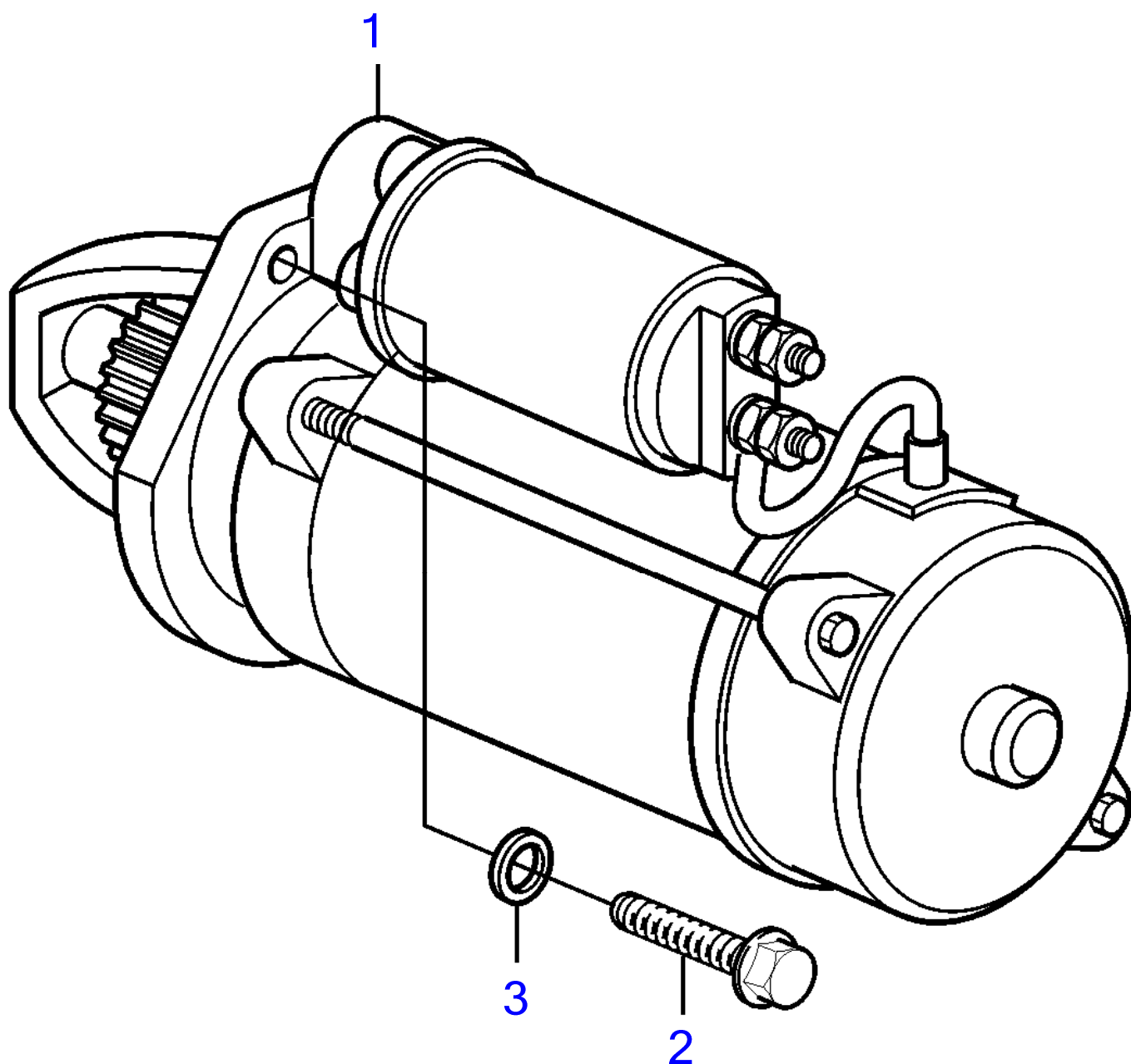
**30 Electrical System EDC IV. SN5310712028-
TD720GE, TAD730GE, TAD732GE, TAD733GE**

Ref	Part No.	Qty	Description	Notes
1	20585153	1	Wiring harness	
2		1	• Angle contact, actuator	
3	20459896	4	• Plug	
4	20459897	5	• Gasket	
5	20550011	5	• Jack	
6	20550005	1	• Receptacle housing	
7	20550017	1	• Cap	
8		2	• Switch, coolant water temp.	
9	20482770	2	• Housing	
10		2	• Switch, switch	
11	20551334	1	• Housing	
12	20593555	1	• Housing	
13	20459895	3	• Terminal	
14		2	• Switch, impulse sensor	(SAE)
15	20482768	11	• Connector	
16	20405783	11	• Gasket	
17	20482767	2	• Housing	
18		1	• Switch, impulse sensor	Camshaft
19	24425837	1	• Housing	
20		1	• Switch, oil pressure /charge air	
21	20550027	1	• Housing	
22	948211	7	Cable tie	
23	20513984	1	Cable tie	
24	20450954	1	Cover plate	
25	20711847	2	Cable clamp	
26	20727619	1	Connecting pipe	
27	20593555	1	Housing	
28	24425837	1	Housing	
29	20482768	3	Connector	
30	20585405	3	Pin	
31	20405783	6	Gasket	



**30 Electrical System EDC IV. SN5310938974-
TAD731GE**

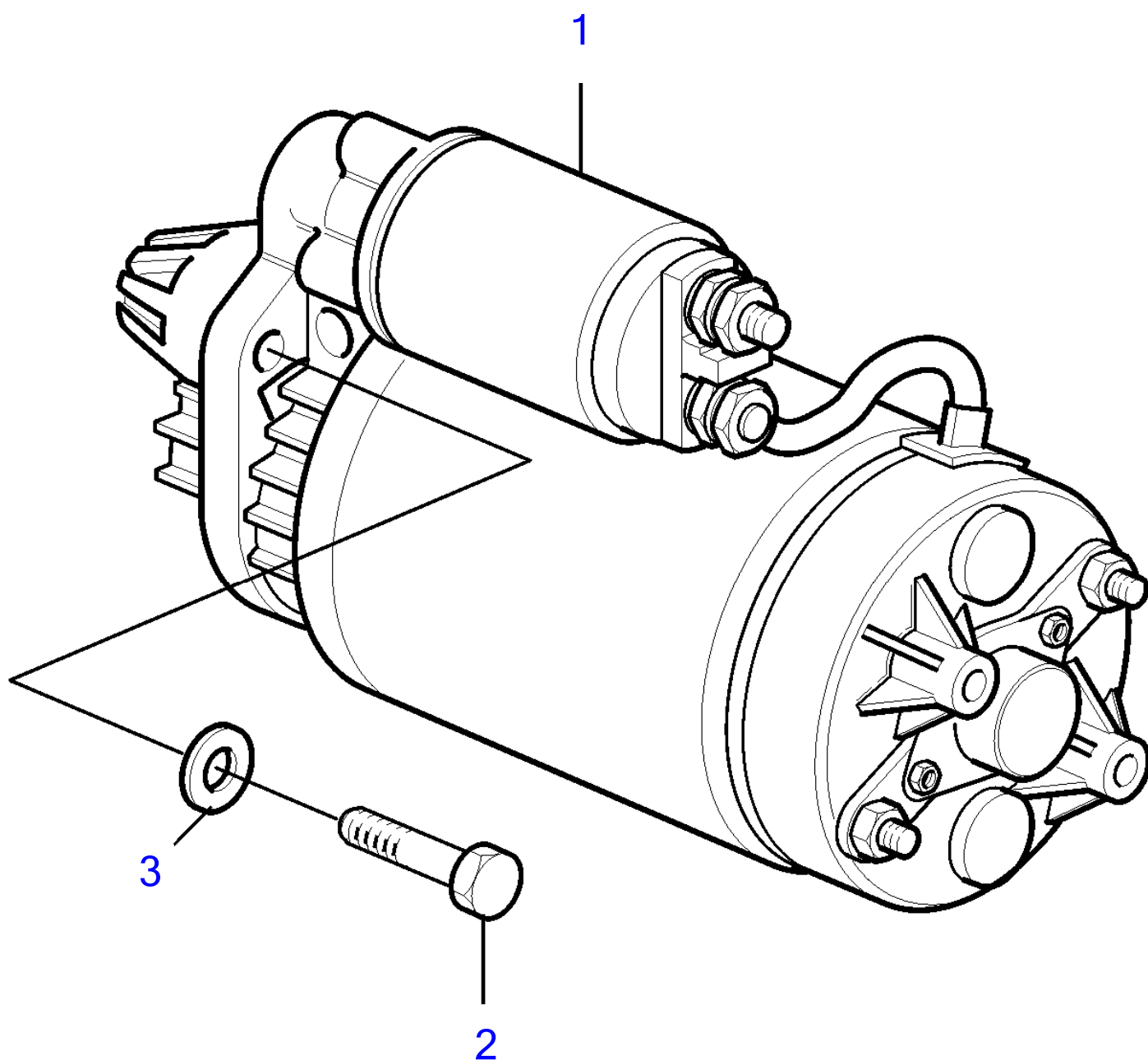
Ref	Part No.	Qty	Description	Notes
1	20585153	1	Wiring harness	
2		1	• Angle contact, actuator	
3	20459896	4	• Plug	
4	20459897	5	• Gasket	
5	20550011	5	• Jack	
6	20550005	1	• Receptacle housing	
7	20550017	1	• Cap	
8		2	• Switch, coolant water temp.	
9	20482770	2	• Housing	
10		2	• Switch, switch	
11	20551334	1	• Housing	
12	20593555	1	• Housing	
13	20459895	3	• Terminal	
14		2	• Switch, impulse sensor	(SAE)
15	20482768	11	• Connector	
16	20405783	11	• Gasket	
17	20482767	2	• Housing	
18		1	• Switch, impulse sensor	Camshaft
19	24425837	1	• Housing	
20		1	• Switch, oil pressure /charge air	
21	20550027	1	• Housing	
22	20580495	1	• Cable terminal	
23	948211	7	Cable tie	
24	20513984	1	Cable tie	
25	20450954	1	Cover plate	
26	20711847	2	Cable clamp	
27	21103856	1	Cable	SN-5311179772
	21876588	1	Cable	SN5311179773-



17913

30 Starter Motor 12V SN-10787691: 12V 3.1kW
 TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD731GE, TAD732GE, TAD733GE

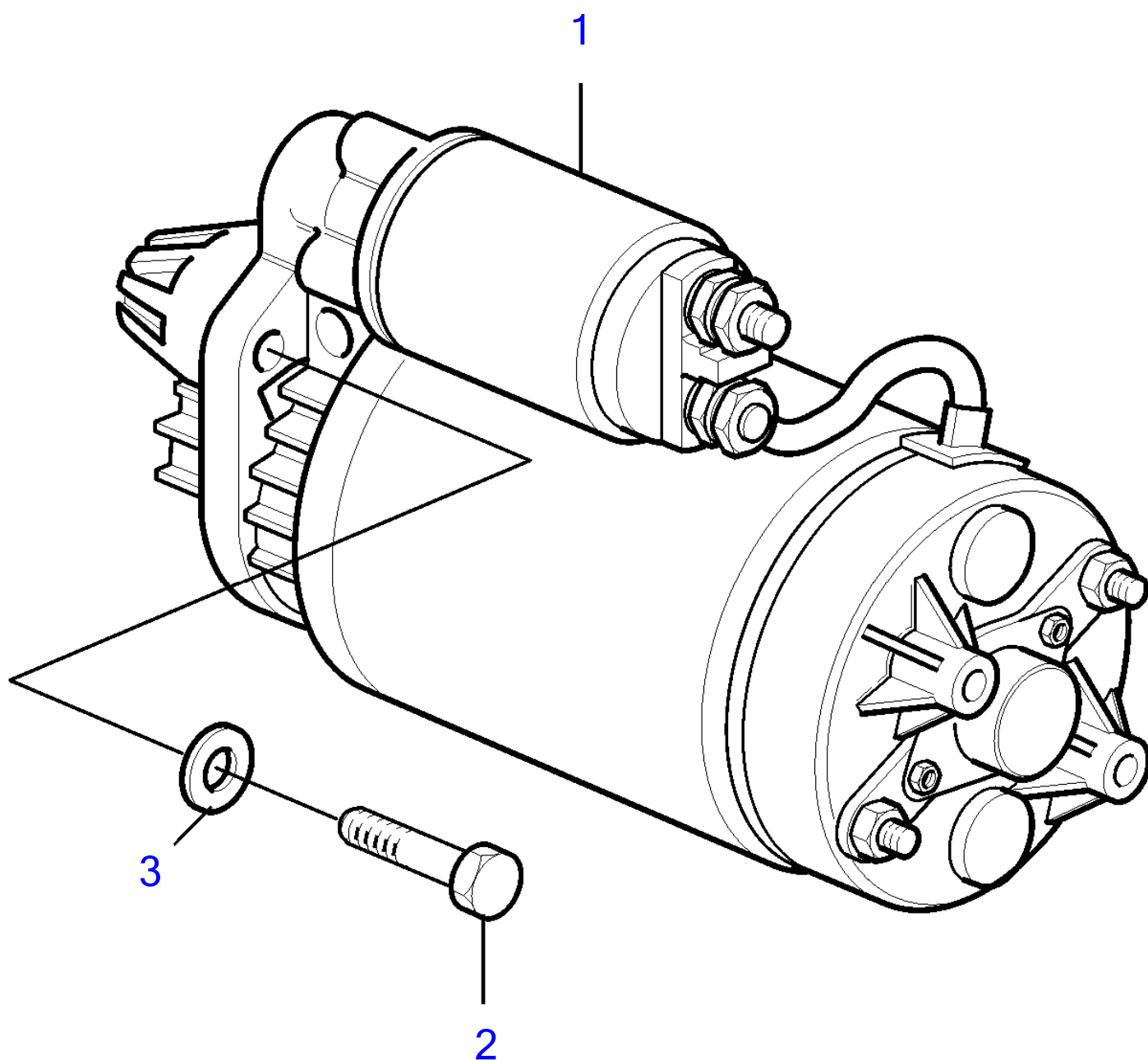
Ref	Part No.	Qty	Description	Notes
1	20405828	1	Starter motor	12V
	3803517	1	Starter motor, exch, exch	12V
	3803517	1	Starter motor, exch	
			.	
			.	
2	973495	3	Washer	
3	984755	3	Flange screw	



19190

30 Starter Motor 12V SN10787692-: 12V 4.0kW
 TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD731GE, TAD732GE, TAD733GE

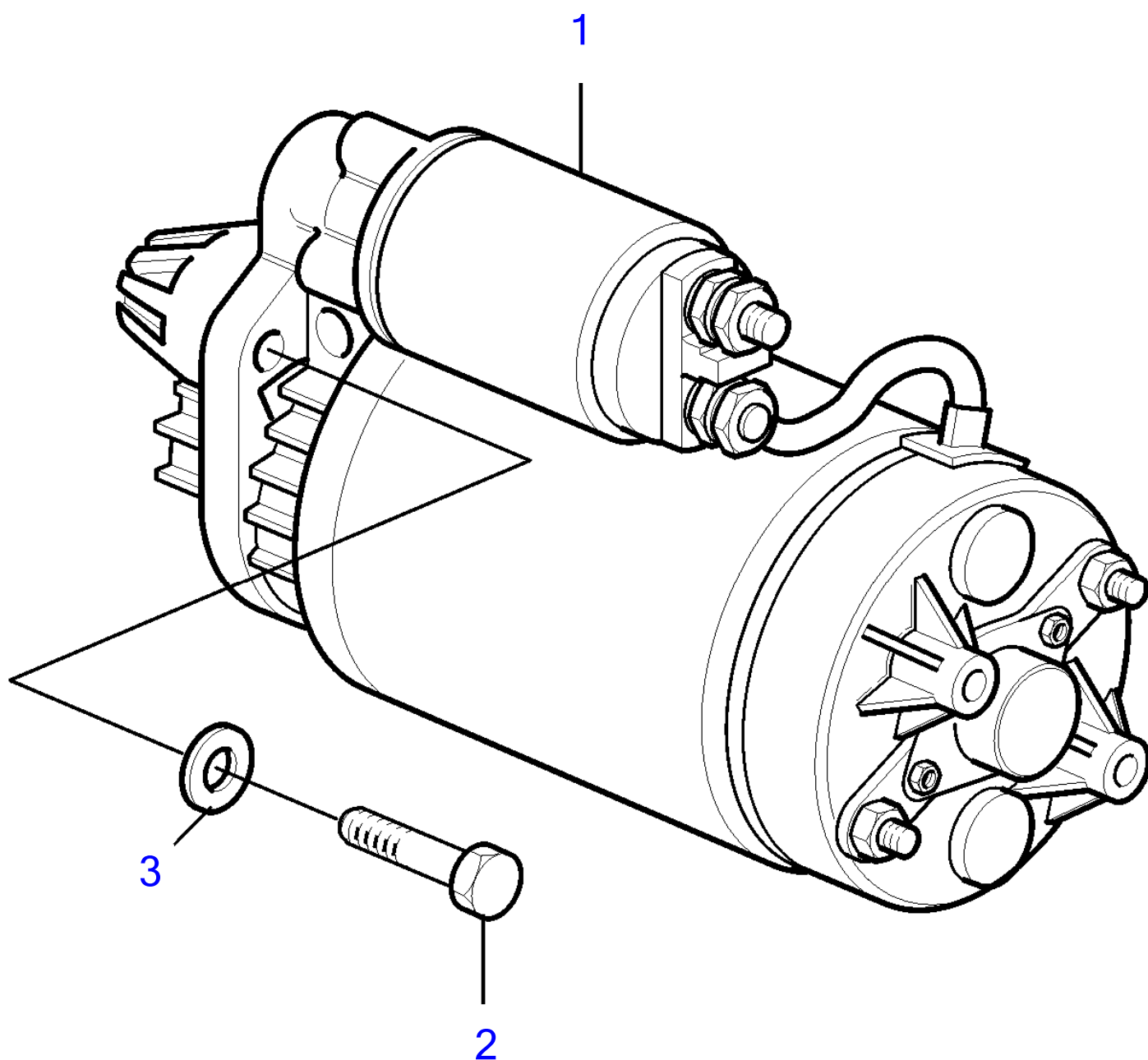
Ref	Part No.	Qty	Description	Notes
1	21311522	1	Starter motor	SN-11166841
	21799215	1	Starter motor	SN11166842-11421579
	22175633	1	Starter	SN11421580-
2	984755	3	Flange screw	
3	973495	3	Washer	



19190

30 Starter Motor 24V SN-5310787691: 24V, 4.0kW
 TD520GE, TAD530GE, TAD531GE, TAD532GE

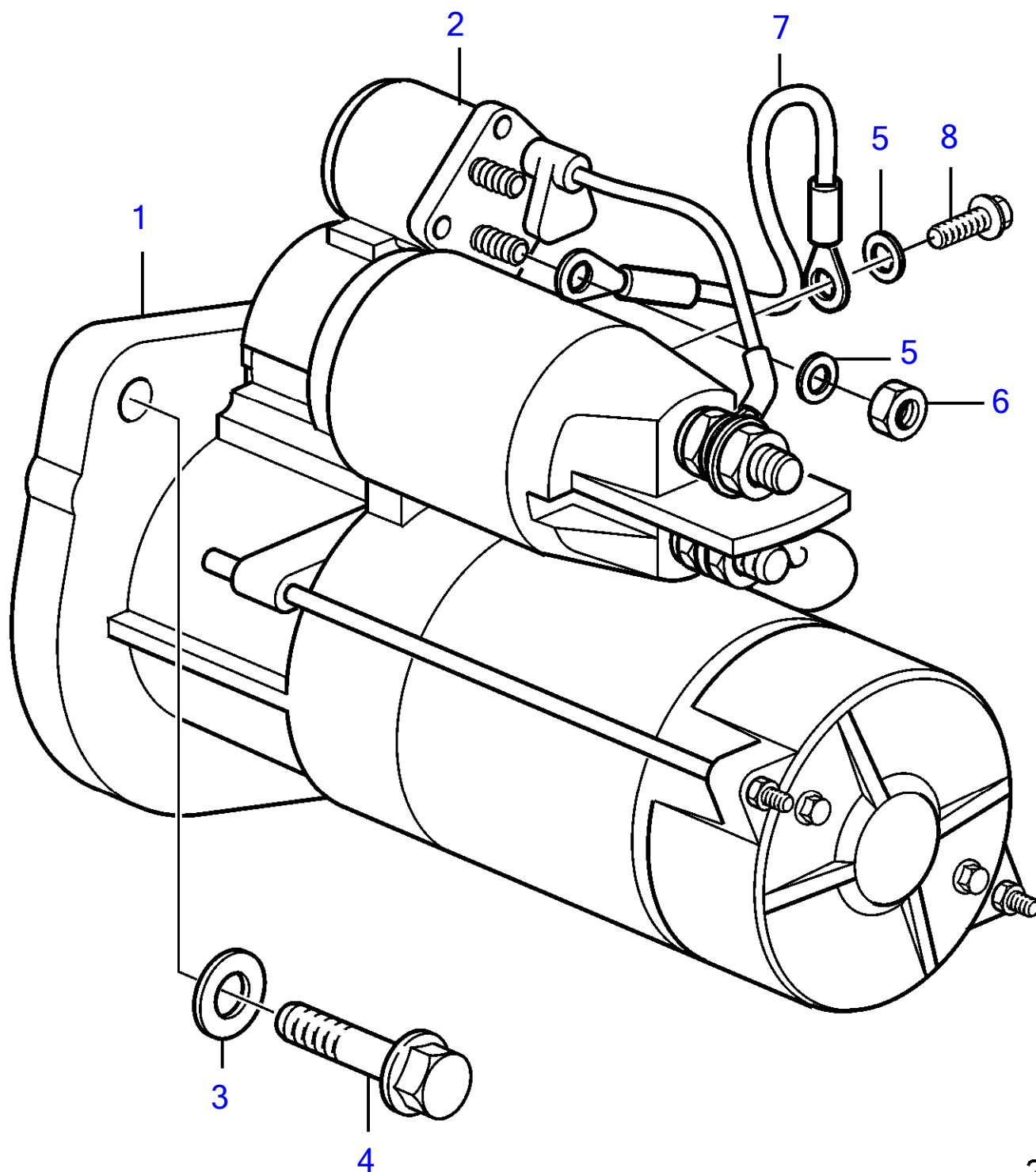
Ref	Part No.	Qty	Description
1	20412737	1	Starter motor
	3803518	1	Starter motor, exch, exch
		.	.
2	984755	3	Flange screw
3	973495	3	Washer



19190

30 Starter Motor 24V SN5310787692-: 24V, 4.0kW
 TD520GE, TAD530GE, TAD531GE, TAD532GE

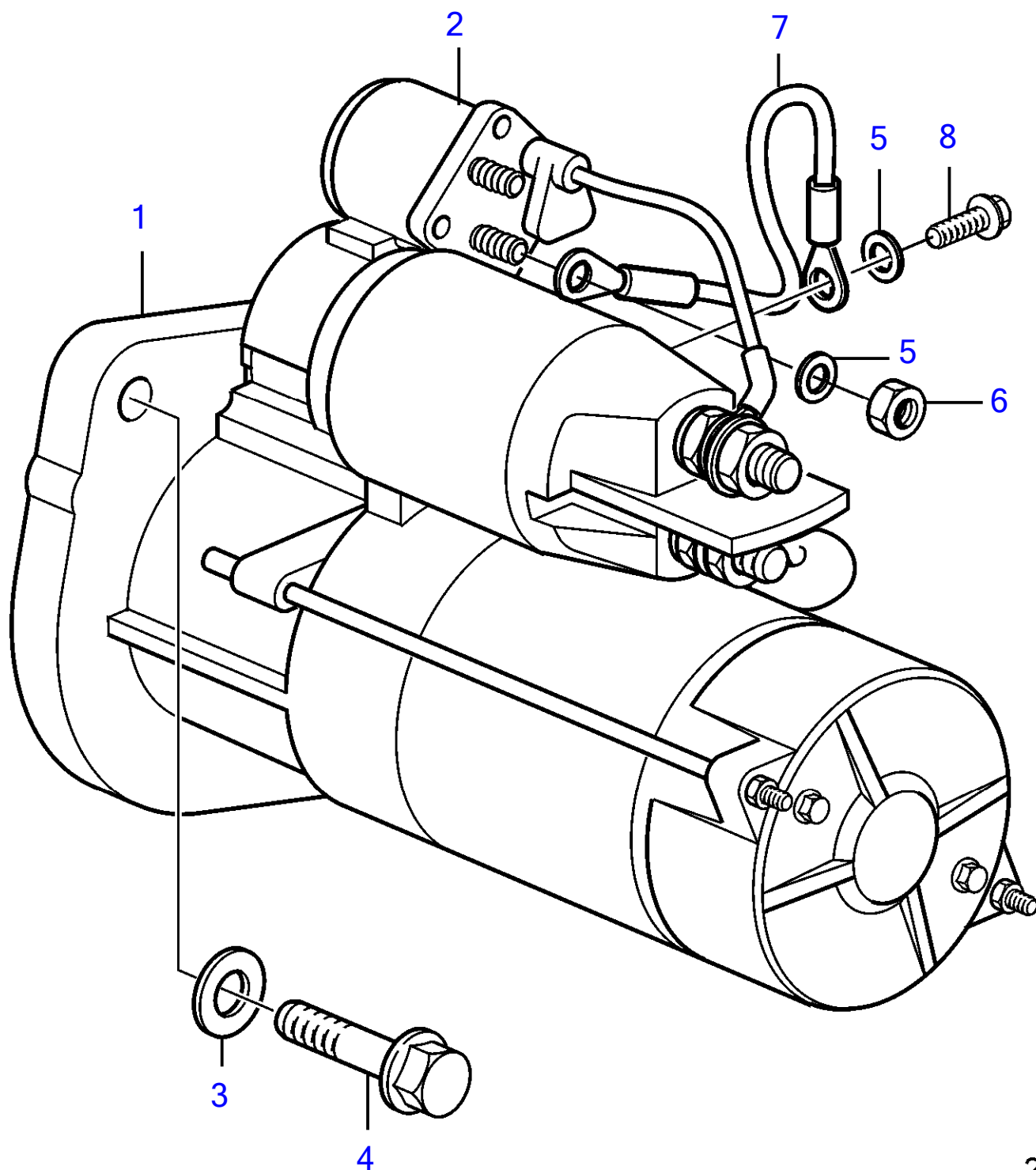
Ref	Part No.	Qty	Description	Notes
1	21314092	1	Starter motor	SN-5311178012
	21798914	1	Starter motor	SN5311178013-5311421848
	22175635	1	Starter	SN5311421849-
2	984755	3	Flange screw	
3	973495	3	Washer	



23740

30 Starter Motor 24V: 24V, 5.5kW
TAD730GE, TAD731GE

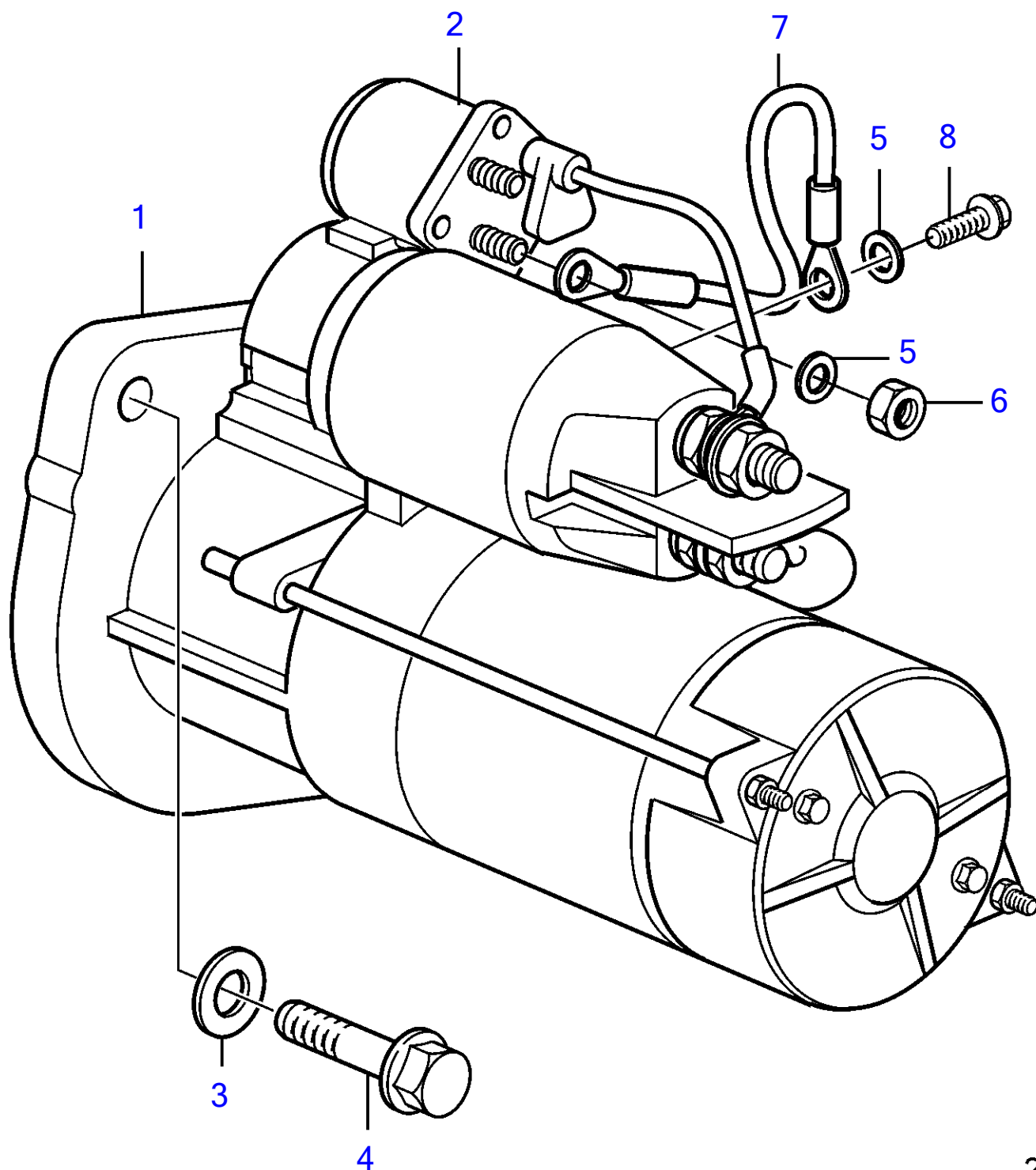
Ref	Part No.	Qty	Description	Notes
1	20880693	1	Starter motor	Replaced by 21577673
	3803979	1	Starter motor, exch, exch	Replaced by 21577673
	3803979	1	Starter motor, exch	Replaced by 21133741
	21133741	1	Starter motor	Replaced by 21577673
	3801274	1	Starter motor, exch, exch	Replaced by 21577673
	21577673	1	Starter motor	
2	20796066	1	Relay	
3	20549890	3	Washer	
4	984755	3	Flange screw	
5	20914985	2	Washer	
6	20459037	1	Hexagon nut	
7	21022816	1	Ground cable	
8	967949	1	Flange screw	



23740

30 Starter Motor 24V: 24V, 5.0kW
TAD732GE, TAD733GE

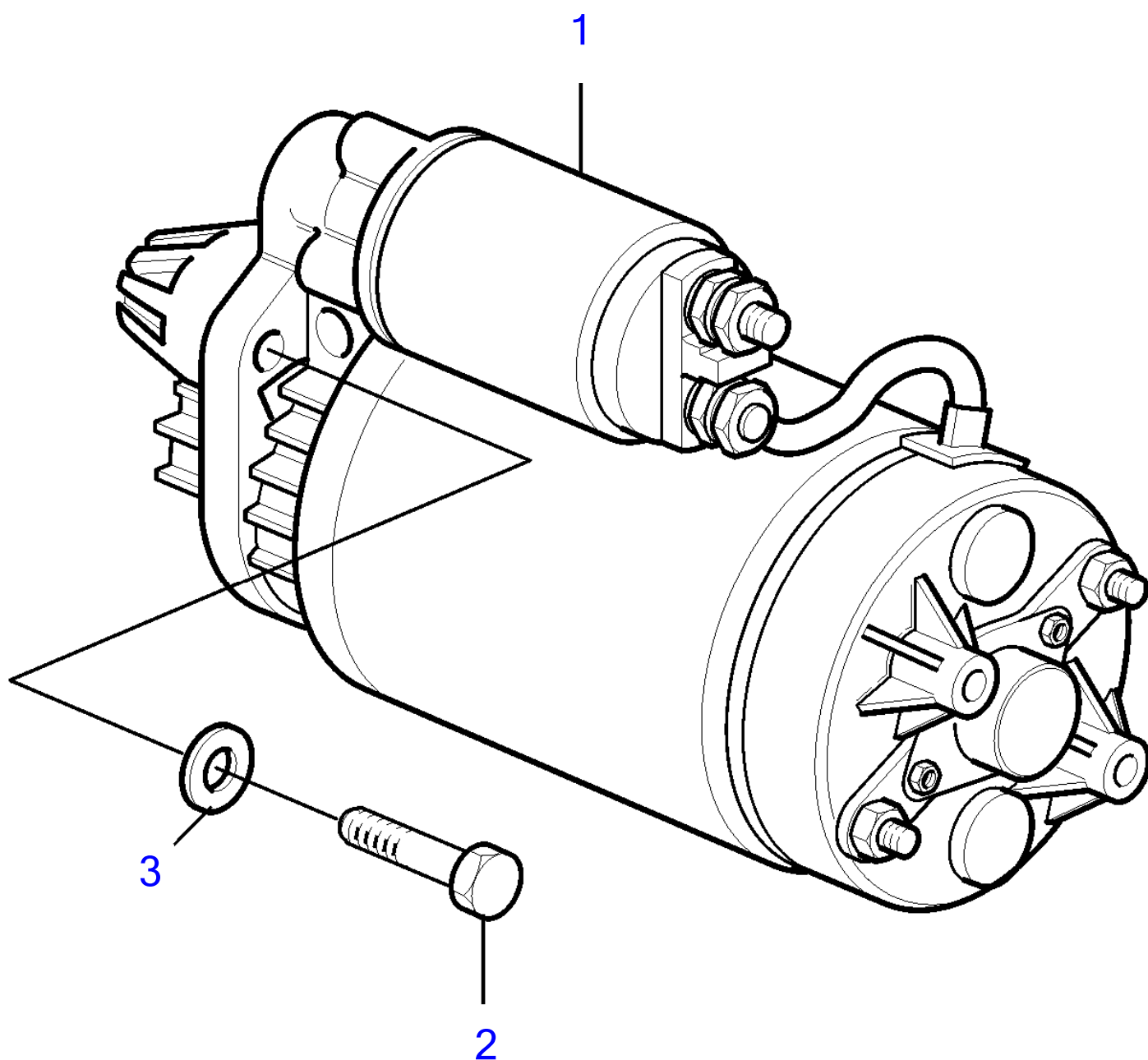
Ref	Part No.	Qty	Description	Notes
1	3801168	1	Starter motor, exch	Replaced by 20938971
	20938971	1	Starter	Replaced by 21645118
	3801168	1	Starter motor, exch, exch	Replaced by 21645118
	21645118	1	Starter motor	
2	20796066	1	Relay	
3	20549890	3	Washer	
4	984755	3	Flange screw	
5	20914985	2	Washer	
6	20459037	1	Hexagon nut	
7	21022816	1	Ground cable	
8	967949	1	Flange screw	



23740

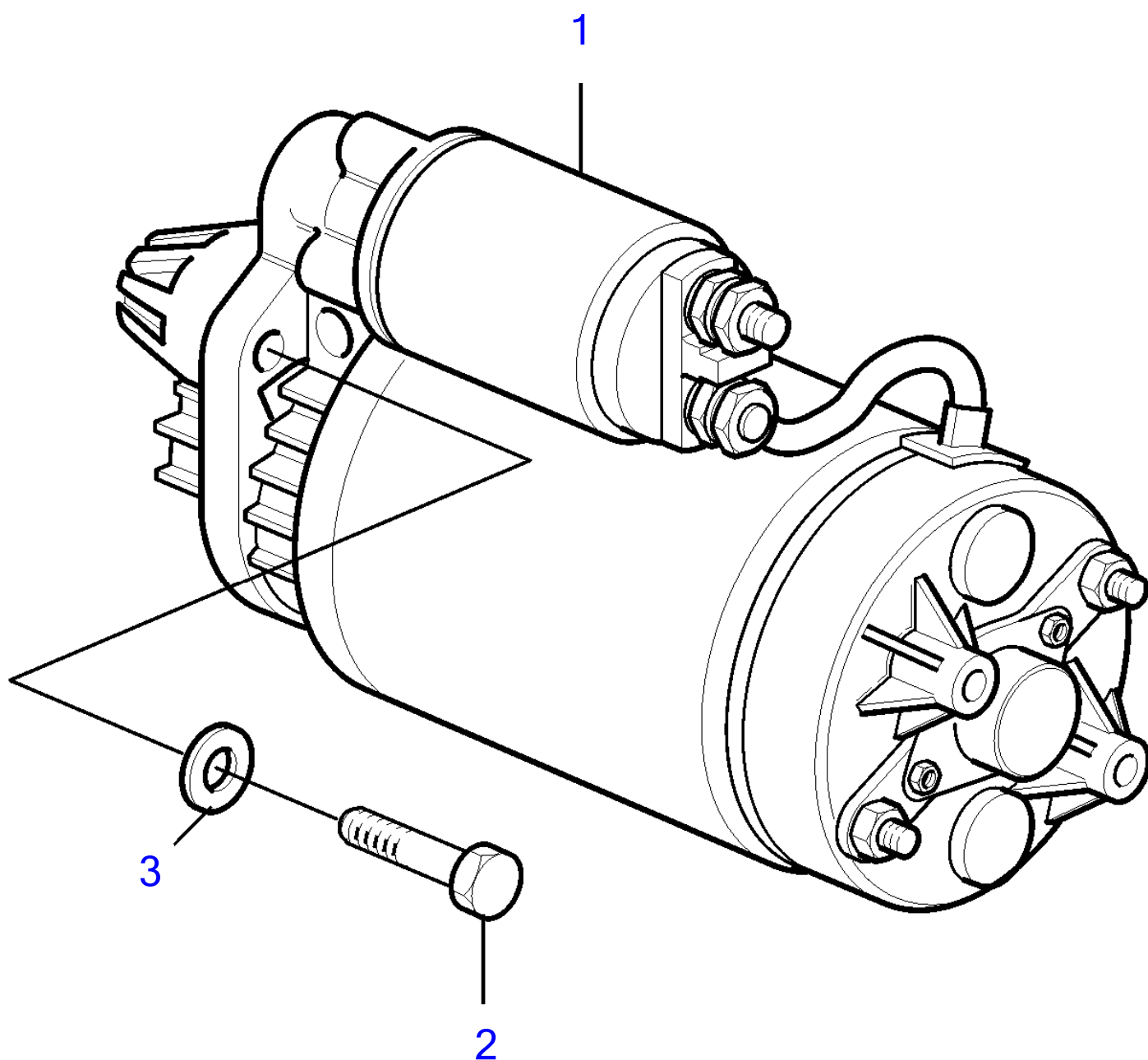
**30 Starter Motor 24V: 24V, 5.5kW
TD720GE**

Ref	Part No.	Qty	Description	Notes
1	3803979	1	Starter motor, exch	Replaced by 21306350, SN10211312-
	21306350	1	Starter motor	For VE engines, SN10878500-11919710, Replaced by 22851149
	22851149	1	Starter motor	For VE engines, SN11919711-, Replaced by 23025978
	23025978	1	Starter motor	For VE engines
	21133741	1	Starter motor	For GE engines, Replaced by 21577673
	3801274	1	Starter motor, exch, exch	For GE engines, Replaced by 21577673
	21577673	1	Starter motor	For GE engines
2	20796066	1	Relay	
3	20549890	3	Washer	
4	984755	3	Flange screw	
5	20914985	2	Washer	
6	955780	1	Hexagon nut	
7	21022816	1	Ground cable	
8	967949	1	Flange screw	



19190

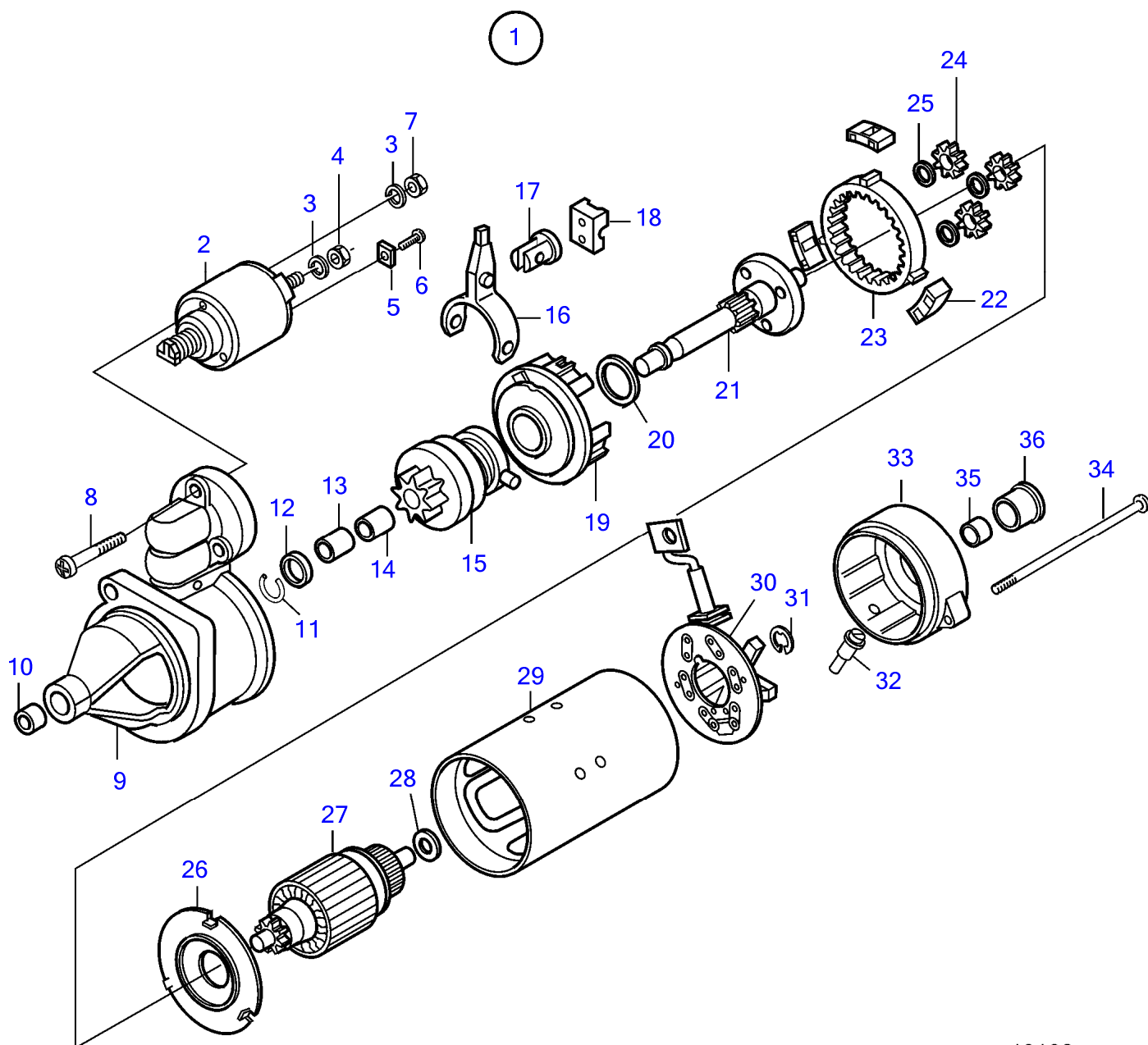
Ref	Part No.	Qty	Description
1	20405828	1	Starter motor
	3803517	1	Starter motor, exch, exch
2	984755	3	Flange screw
3	973495	3	Washer



19190

**30 Starter Motor 12V SN10787692-: 12V 4.0kW
TD520GE**

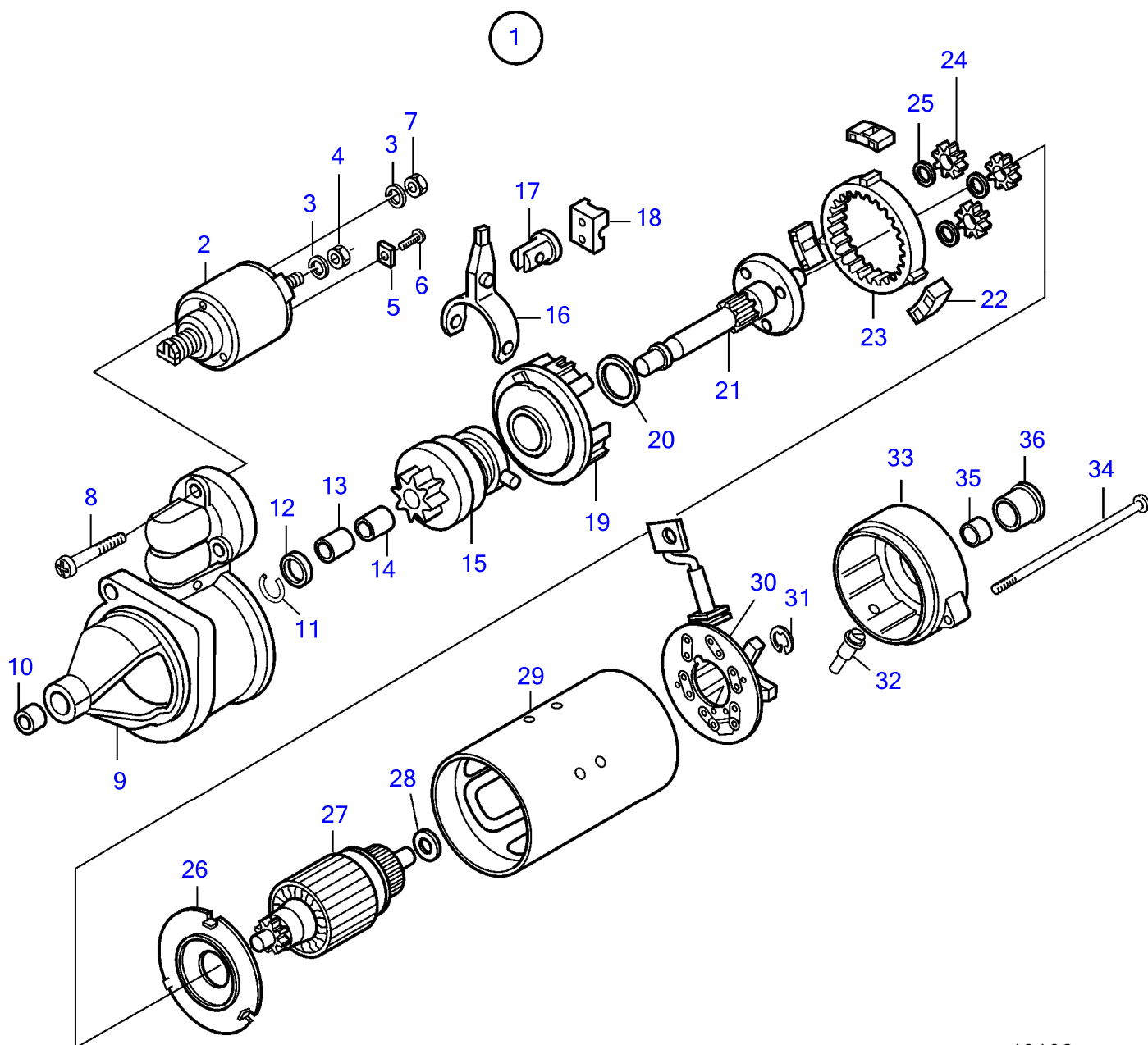
Ref	Part No.	Qty	Description	Notes
1	21311522	1	Starter motor	SN-11166841
	21799215	1	Starter motor	SN11166842-11421579
	22175633	1	Starter	SN11421580-
2	984755	3	Flange screw	
3	973495	3	Washer	



19192

30 Starter Motor, Components SN-10787691: 24V 4.0kW
 TD520GE, TAD530GE, TAD531GE, TAD532GE

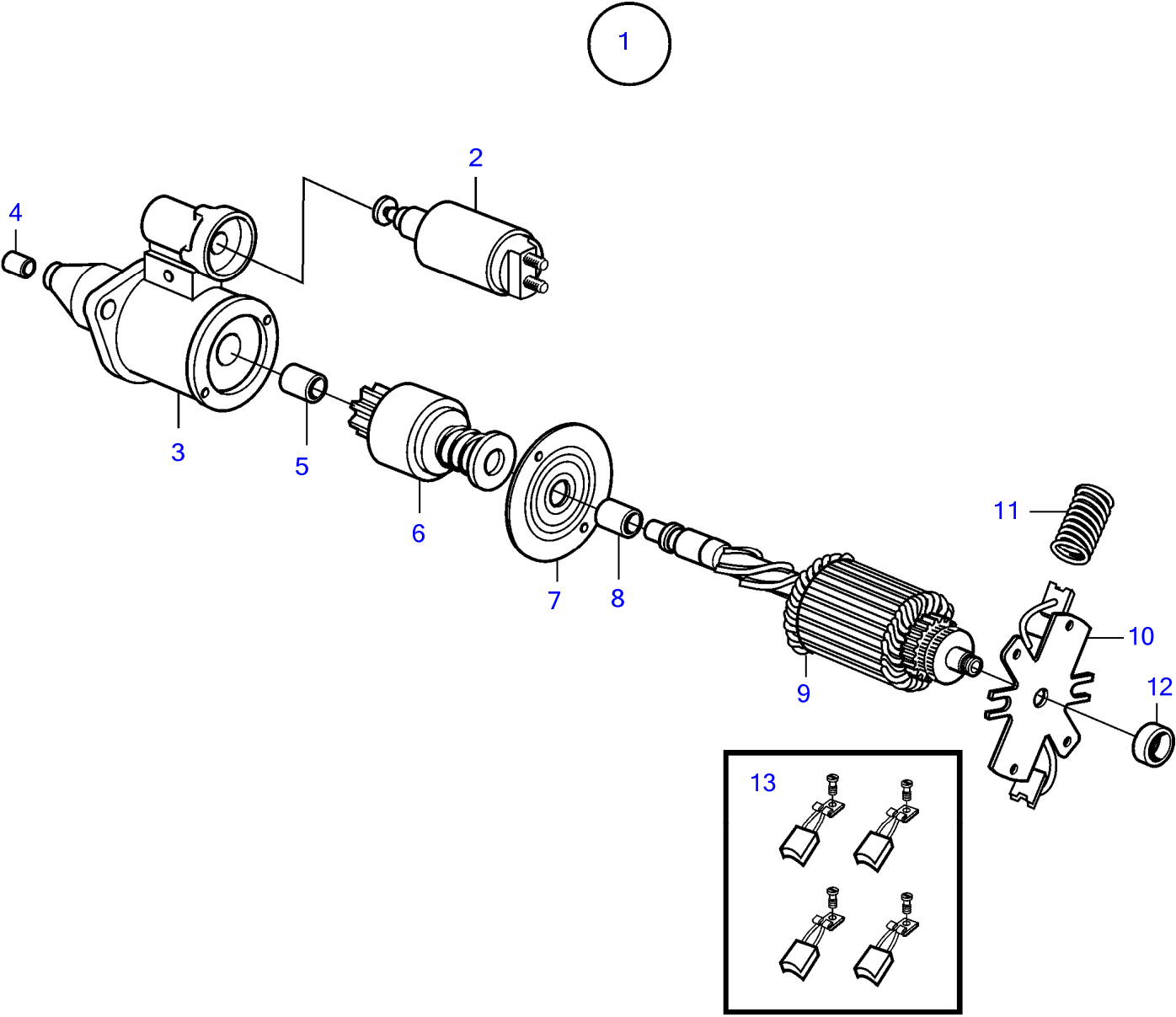
Ref	Part No.	Qty	Description	Notes
1	20412737	1	Starter motor	
	3803518	1	Starter motor, exch, exch	
	3803518	1	Starter motor, exch	
2	20460456	1	• Relay	
3	(20460119)	2	• Lock washer	Obsolete part
4	20460118	1	• Hexagon nut	
5	20460120	1	• Clamp	
6		1	• Screw	
7		1	• Nut	
8		1	• Screw	
9		1	• Bearing shield	
10		1	• Bushing	
11		1	• Lock ring	
12		1	• Washer	
13		1	• Bushing	
14		1	• Bushing	
15	21147963	1	• Starter pinion	
16		1	• Engagement lever	
17		1	• Retainer	
18		1	• Stop lug	
19		1	• Drive bearing	
20		1	• Ring	
21		1	• Shaft	
22		3	• Retainer	
23		1	• Gear ring	
24		3	• Gear	
25		3	• Washer	
26		1	• Isolation plate	
27		1	• Rotor	
28		1	• Washer	
29		1	• Housing	
30	20460457	1	• Brush retainer	Replaced by 21357535.
	21357535	1	• Brush retainer	
31		1	• Lock washer	
32		1	• Rubber buffer	
33		1	• Lock	
34		1	• Bolt	
35		1	• Bushing	
36		1	• Plug	



19192

**30 Starter Motor, Components SN-10787691: 12V 3.1kW
TD520GE, TD720GE, TAD731GE, TAD733GE**

Ref	Part No.	Qty	Description	Notes
1	20405828	1	Starter motor	
	3803517	1	Starter motor, exch, exch	
	3803517	1	Starter motor, exch	
2	20460115	1	• Relay	
3	(20460119)	2	• Lock washer	Obsolete part
4	20460118	1	• Hexagon nut	
5	20460120	1	• Clamp	
6		1	• Screw	
7		1	• Nut	
8		1	• Screw	
9		1	• Bearing shield	
10		1	• Bushing	
11		1	• Lock ring	
12		1	• Washer	
13		1	• Bushing	
14		1	• Bushing	
15	21147963	1	• Starter pinion	
16		1	• Engagement lever	
17		1	• Retainer	
18		1	• Stop lug	
19		1	• Drive bearing	
20		1	• Ring	
21		1	• Shaft	
22		3	• Retainer	
23		1	• Gear ring	
24		3	• Gear	
25		3	• Washer	
26		1	• Isolation plate	
27		1	• Rotor	
28		1	• Washer	
29		1	• Housing	
30	20460117	1	• Brush retainer	
31		1	• Lock washer	
32		1	• Rubber buffer	
33		1	• Lock	
34		1	• Bolt	
35		1	• Bushing	
36		1	• Plug	

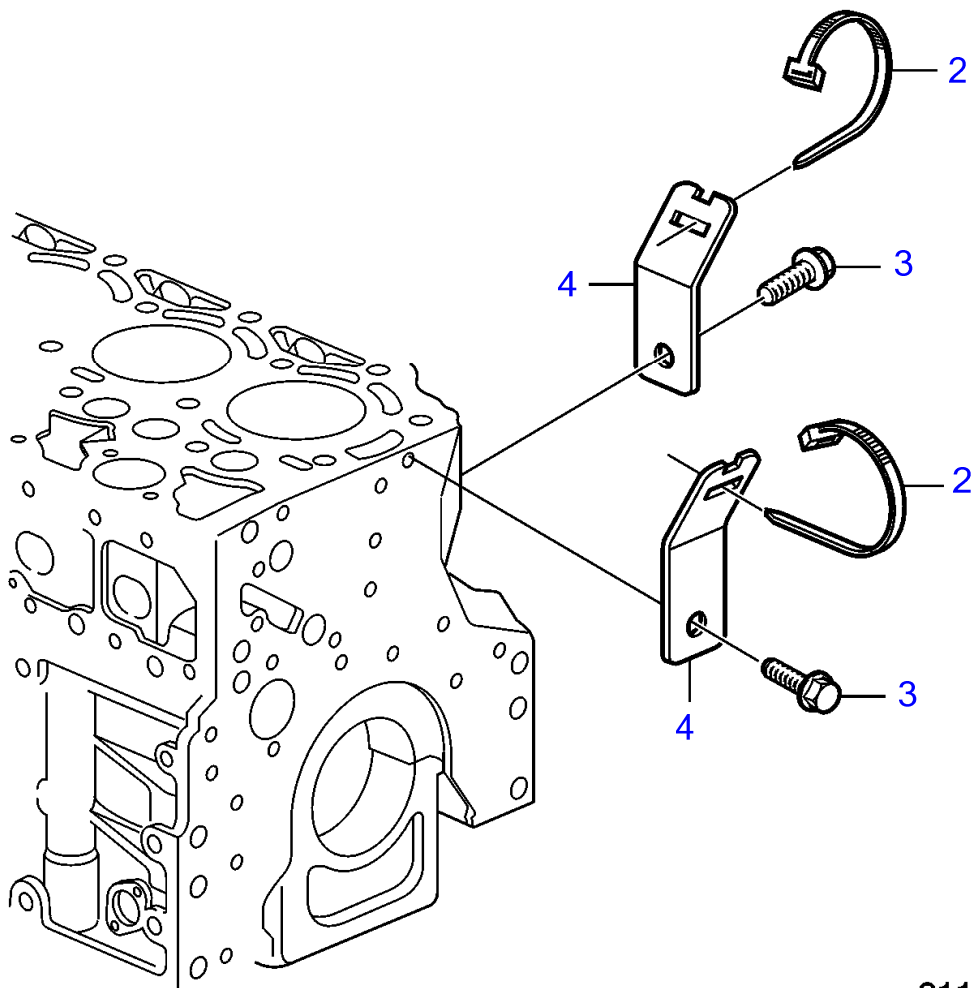
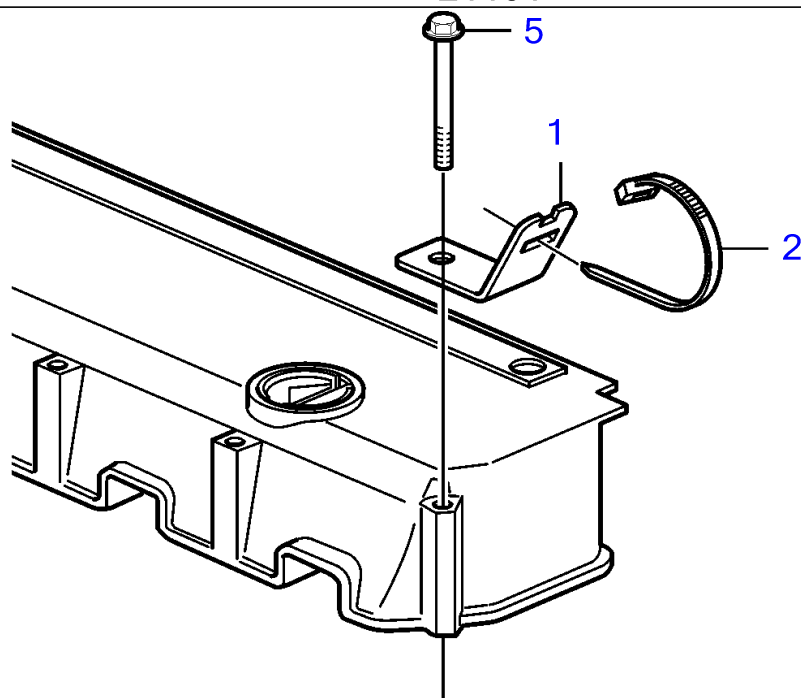


19194

**30 Starter Motor, Components: 24V 4, 8 kW
TD520GE, TD720GE**

Ref	Part No.	Qty	Description	Notes
1	3803877	1	Starter motor, exch	Replaced by 3803518
	20459041	1	Starter motor	Replaced by 20412737
	3803877	1	Starter motor, exch, exch	Replaced by 20412737
	3803518	1	Starter motor, exch	
	20412737	1	Starter motor	
	3803518	1	Starter motor, exch, exch	
	21314092	1	Starter motor	
	21798914	1	Starter motor	
	22175635		Starter	
2	20459060	1	• Relay	
3		1	• Bearing shield	
4	20460112	1	• Bushing	
5		1	• Bushing	
6	20459042	1	• Pinion	
7		1	• Isolation plate	
8	20460111	1	• Bearing bushing	
9		1	• Anchor	
10		1	• Brush retainer	
11	20460114	1	• Compression spring	
12	20460113	1	• Bearing bushing	
13	20459059	1	• Carbon brush	

21151

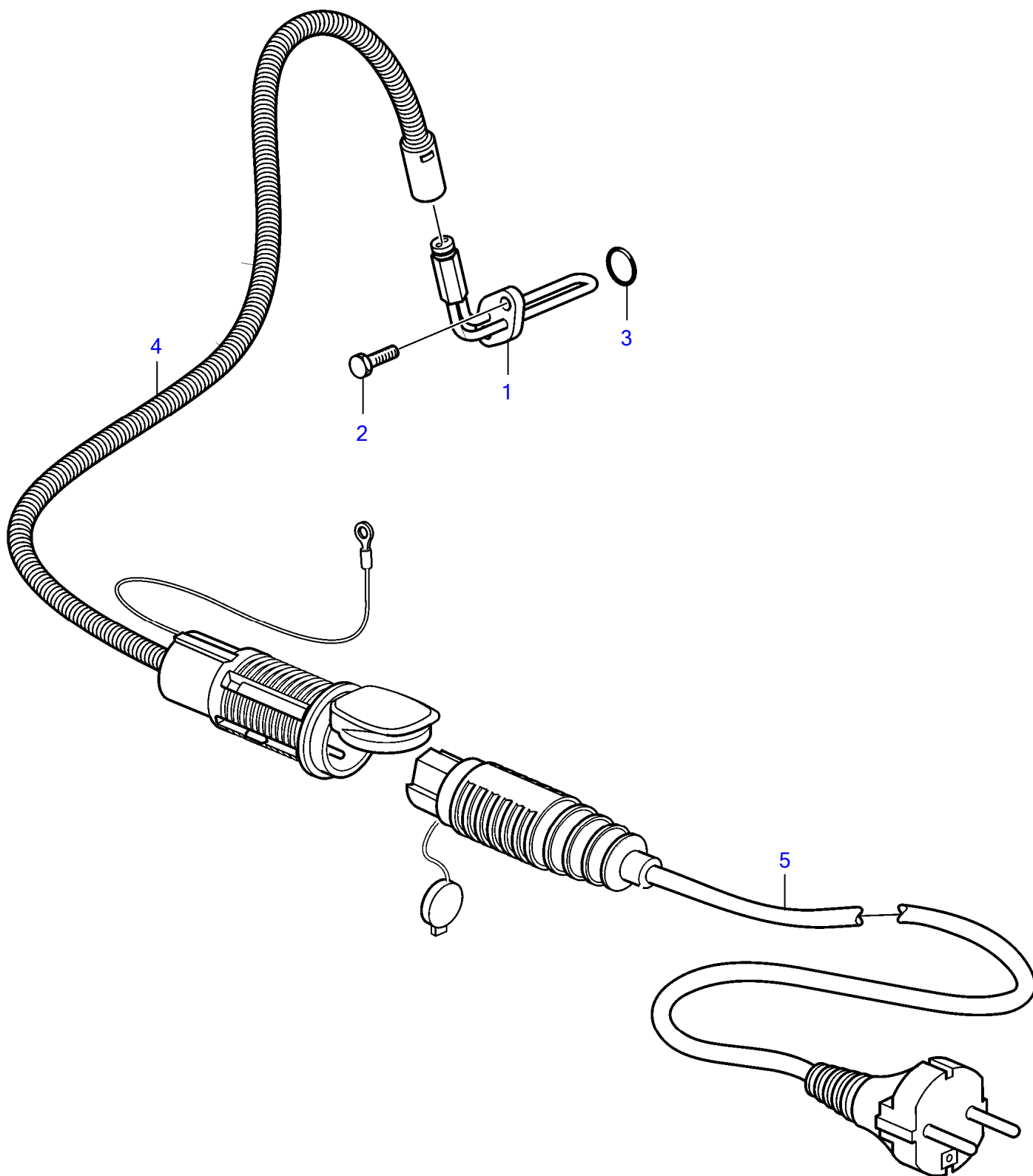


21151

30 Wiring Harness Suspension (EDC IV)

TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE

Ref	Part No.	Qty	Description
1	20450700	1	Bracket
2	20513984	9	Cable tie
3	20405898	5	Flange screw
4	20450997	5	Bracket
5	20412601	1	Flange screw

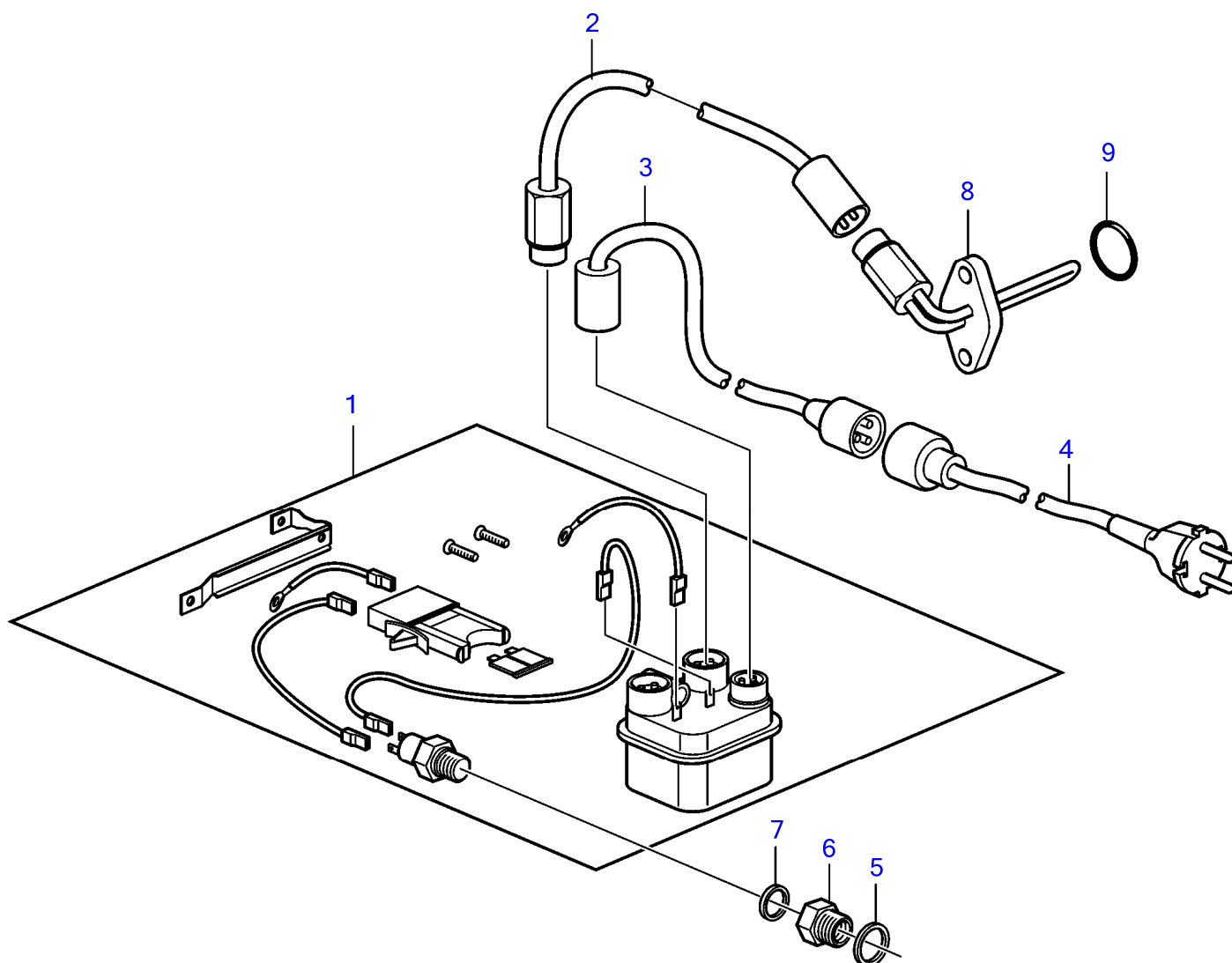


24113

90 Engine Heater, Block Mounted

TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE

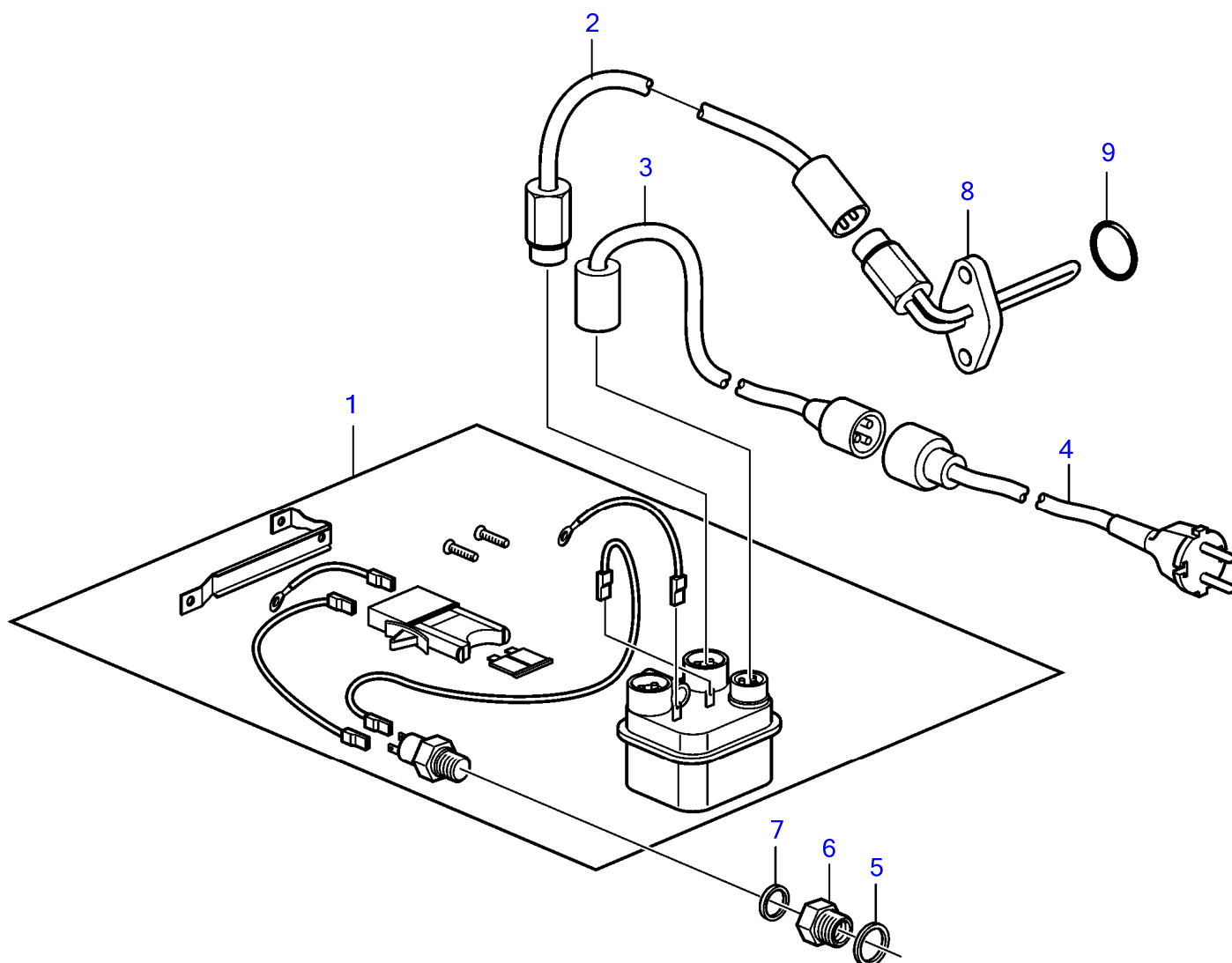
Ref	Part No.	Qty	Description	Notes
1	20573949	1	Engine heater	600W / 230V, Replaced by 22288340
	22288340	1	Engine heater	600W / 230V
2	965215	2	• Flange screw	
3	20405599	2	• O-ring	
4	20555190	1	Cable	SN-1098013, Replaced by 20796993 and 20796994
	20796993	1	Cable set	SN1098014-
5	20796994	1	Cable set	



23747

90 Engine Heater with Thermostat, Block Mounted 12V
 TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE,
 TAD733GE

Ref	Part No.	Qty	Description	Notes
1	20998739	1	Relay	12V
2	20998736	1	Cable set	
3	20796993	1	Cable set	
4	20796994	1	Cable set	
5	947628	1	Gasket	(20450898)
6	20998750	1	Adapter	
7	969011	1	Gasket	(20459981)
8	20573949	1	Engine heater	600W / 230V, Replaced by 22288340
	22288340	1	Engine heater	600W / 230V
9	20405599	1	O-ring	



23747

90 Engine Heater with Thermostat, Block Mounted 24V
 TD520GE, TAD530GE, TAD531GE, TAD532GE, TAD731GE, TAD732GE, TAD733GE

Ref	Part No.	Qty	Description	Notes
1	21261350	1	Relay	24V
	21261444		• Switch	
2	20998736	1	Cable set	
3	20796993	1	Cable set	
4	20796994	1	Cable set	
5	947628	1	Gasket	
6	20998750	1	Adapter	
7	969011	1	Gasket	
8	20573949	1	Engine heater	600W / 230V, Replaced by 22288340
	22288340	1	Engine heater	600W / 230V
9	20405599	1	O-ring	

**99 Repair Kits
TD520GE**

Ref	Part No.	Qty	Description	Notes
1	877337	4	Cylinder liner kit	Stage 1 and Tier 1
	20412762	4	• Cylinder liner	
	21203689	8	• O-ring	
		4	Bearing	U.S.=0.50mm
	(3842144)	1	Gasket kit, inlet, exhaust pipe	Obsolete part
	20405621	1	• Intake gasket, induction manifold	
	20591706	4	• Gasket	Induction manifold /cylinder head
	20557208	4	• Gasket, branch pipe	
	20460375	1	Conversion kit, turbo	Stage 1 and Tier 1
	(3842149)	1	Gasket kit, turbo	Obsolete part
	20405590	1	• Gasket	
	20405608	1	• Gasket	
	20405595	1	• Gasket	
	20405790	1	• Plane gasket	
	969011	1	• Gasket	
	20405822	2	• O-ring	
	20405536	2	• Sealing ring	
	(3842138)	1	Gasket kit	Obsolete part
	20412588	1	• Plane gasket, valve cover	Earlier prod.
	947281	2	• Gasket	Hollow screw / cooling pipe to radiator.
	11700426	4	• Gasket, copper	Nozzle
	20405627	1	• Gasket	Crankcase ventilation
	20441519	1	• O-ring	Thermostat housing-cylinderhead.
	20412325	2	• O-ring	Thermostat housing-water pump.
	976013	8	• O-ring	Valve guide
	(877339)	1	Overhaul gasket kit, additional recondition	Obsolete part
	20405652	1	• O-ring	
	20412325	2	• O-ring	
	20405691	1	• Gasket	
	20405888	1	• Gasket	
	20405843	1	• Gasket	
	11998	2	• Gasket	
	840879	1	• Sealant	
	20405728	1	• Sealing ring	
	20405627	1	• Gasket	
	20405747	1	• Gasket	
	20412588	1	• Plane gasket	
	969011	3	• Gasket	
	20405769	1	• Sealing ring	
	947622	1	• Gasket	
	20412568	1	• Lip seal	
	20742661	1	• Gasket	
	20412286	1	• Lip seal	
	20412341	1	• Gasket	
	20405569	1	• Sealing ring	
	20405825	1	• Gasket	
	20405578	1	• O-ring	
	957189	1	• Gasket	
	(3843095)	1	Overhaul kit, reconditioning	Obsolete part, Stage 1 and Tier 1
	877337	4	• Cylinder liner kit	
	(877339)	1	• Overhaul gasket kit	Obsolete part
	976929	1	• Gasket	
	(3842144)	1	• Gasket kit	Obsolete part
	(3842149)	1	• Gasket kit	Obsolete part
	20565150	4	• Bearing	(11700316)
	11700326	8	• Flange screw	
	20405516	5	• Main bearing	
	20405899	1	• Thrust washer kit	
	(3842138)	1	• Gasket kit	Obsolete part

**99 Repair Kits
TD720GE**

Ref	Part No.	Qty	Description	Notes
1	877337	6	Cylinder liner kit	Stage 1 and Tier 1
		6	• Cylinder liner	
	20412762	12	• O-ring	
		6	• Piston	
	20405577	6	• • Piston pin	
	20405576	12	• • Snap ring	
	21304975	6	• • Piston ring	
	20405516	7	Main bearing	Std
	21141948	7	Main bearing	Std
	20405529	7	Main bearing	U.S.=0,25mm
	21234191	7	Main bearing	U.S.=0,25mm
	20405541	7	Main bearing	U.S.=0,50mm
	20405899	1	Thrust washer kit	Std
	11700315	1	Safety washer	O.S.=0.20mm (3.1mm)
	20565150	6	Bearing	Std, (11700316), SN-1099357
	20717211	6	Bearing	U.S.=0.25mm, (11700317), SN-1099357
	20565188	6	Bearing	U.S.=0.50mm, (11700318), SN-1099357
	20766790	4	Bearing	Std, SN1099358-
	20790423	4	Big-end bearing kit	U.S.=0,25mm, SN1099358-
	20790428	4	Big-end bearing kit	U.S.=0,50mm, SN1099358-
	21025447	1	Gasket, complete • Bulletin P-20-0-4	Complete but without oil pan gasket Changes in Kits for Cologne Engines
	20405900	1	Cylinder head gasket, cylinder head	TH=1,54mm
	20405901	1	Cylinder head gasket, cylinder head	TH=1,64mm
	20405902	1	Cylinder head gasket, cylinder head	TH=1,74mm
	(3842146)	1	Gasket kit, inlet, exhaust pipe	Obsolete part
	20405613	1	• Gasket, induction manifold	
	20405621	1	• Intake gasket, induction manifold	
	20591706	6	• Gasket	Induction manifold /cylinder head
	20557208	8	• Gasket, branch pipe	
	20450722	1	Conversion kit, turbo	Stage 1 and Tier 1
	(3842150)	1	Gasket kit, turbo	Obsolete part
	20405970	1	• Gasket	
	20405969	1	• Gasket	
	20405595	1	• Gasket	
	20405790	1	• Plane gasket	
	969011	1	• Gasket	
	20405822	2	• O-ring	
	20405535	2	• O-ring	
	(3842139)	1	Gasket kit	Obsolete part
	20412597	1	• Gasket, valve cover	Earlier prod.
	947281	2	• Gasket	Hollow screw / cooling pipe to radiator.
	11700426	6	• Gasket, copper	Nozzle
	20405943	1	• Gasket	Crankcase ventilation
	20441519	1	• O-ring	Thermostat housing-cylinderhead.
	20412325	2	• O-ring	Thermostat housing-water pump.
	976013	12	• O-ring	Valve guide
	(877340)	1	Overhaul gasket kit, additional recondition	Obsolete part
	20405652	1	• O-ring	
	20412325	2	• O-ring	
	20405691	1	• Gasket	
	20405888	1	• Gasket	
	11998	2	• Gasket	
	840879	1	• Sealant	
	20405728	1	• Sealing ring	
	20405915	1	• Gasket	
	20405943	1	• Gasket	
	20405943	1	• Gasket	
	20412597	1	Gasket	

**99 Repair Kits
TD720GE**

Ref	Part No.	Qty	Description	Notes
	969011	3	• Gasket	
	20405769	1	• Sealing ring	
	947622	1	• Gasket	
	20412568	1	• Lip seal	
	20742661	1	• Gasket	
	20412286	1	• Lip seal	
	20412341	1	• Gasket	
	20405825	1	• Gasket	
	20405578	1	• O-ring	
	20405569	1	• Sealing ring	
	957189	1	• Gasket	
	(3843096)	1	Overhaul kit, reconditioning	Obsolete part, Stage 1 and Tier 1
	877337	6	• Cylinder liner kit	
	(877340)	1	• Overhaul gasket kit	Obsolete part
	(3842146)	1	• Gasket kit	Obsolete part
	(3842150)	1	• Gasket kit	Obsolete part
	20565150	6	• Bearing	(11700316)
	11700326	12	• Flange screw	
	20405516	7	• Main bearing	
	20405899	1	• Thrust washer kit	
	(3842138)	1	• Gasket kit	Obsolete part

99 Repair Kits
TAD530GE, TAD531GE

Ref	Part No.	Qty	Description	Notes
1	(3842145)	1	Gasket kit, inlet, exhaust pipe	Obsolete part
	20875134	1	• Gasket, induction manifold	
	20591706	4	• Gasket	Induction manifold /cylinder head
	20557208	4	• Gasket, branch pipe	
	21025445	1	Gasket, complete • Bulletin P-20-0-4	For TAD530, 531 and 532 Changes in Kits for Cologne Engines
1	20508617	1	Conversion kit, turbo	TAD532GE
	(3842138)	1	Gasket kit	Obsolete part
	20412588	1	• Plane gasket, valve cover	Earlier prod., TAD520GE
	947281	2	• Gasket	Hollow screw / cooling pipe to radiator.
	11700426	4	• Gasket, copper	Nozzle
	20405627	1	• Gasket	Crankcase ventilation
	20441519	1	• O-ring	Thermostat housing-cylinderhead.
	20412325	2	• O-ring	Thermostat housing-water pump.
	976013	8	• O-ring	Valve guide
	(877339)	1	Overhaul gasket kit, additional recondition	Obsolete part
	20405652	1	• O-ring	
	20412325	2	• O-ring	
	20405691	1	• Gasket	
	20405888	1	• Gasket	
	20405843	1	• Gasket	
	11998	2	• Gasket	
	840879	1	• Sealant	
	20405728	1	• Sealing ring	
	20405627	1	• Gasket	
	20405747	1	• Gasket	
	20412588	1	• Plane gasket	
	969011	3	• Gasket	
	20405769	1	• Sealing ring	
	947622	1	• Gasket	
	20412568	1	• Lip seal	
	20742661	1	• Gasket	
	20412286	1	• Lip seal	
	20412341	1	• Gasket	
	20405569	1	• Sealing ring	
	20405825	1	• Gasket	
	20405578	1	• O-ring	
	957189	1	• Gasket	
	3843579	1	Overhaul kit, reconditioning • Bulletin P-99-0-102	Overhaul kits
1	3843536	4	• Cylinder liner kit	Obsolete part
	(877339)	1	• Overhaul gasket kit	Obsolete part
	976929	1	• Gasket	Obsolete part
	(3842145)	1	• Gasket kit	Obsolete part
	(3842149)	1	• Gasket kit	Obsolete part
	20565150	4	• Bearing	(11700316)
	11700326	8	• Flange screw	
	20405516	5	• Main bearing	
	20405899	1	• Thrust washer kit	
	(3842138)	1	• Gasket kit	Obsolete part

**99 Repair Kits
TAD532GE**

Ref	Part No.	Qty	Description	Notes
1	3842448	4	Cylinder liner kit	
		4	• Cylinder liner	
	20412762	8	• O-ring	
		4	• Piston	
	20405577	4	• • Piston pin	
	20405576	8	• • Snap ring	
	21304975	4	• • Piston ring	
	21141948	5	Main bearing	Std
	20405529	5	Main bearing	U.S.=0,25mm, SN-10594934
	21234191	5	Main bearing	U.S.=0,25mm, SN10594935-
	20405541	5	Main bearing	U.S.=0,50mm
	20405899	1	Thrust washer kit	Std
	11700315	1	Safety washer	O.S.=0.20mm (3.1mm)
	20766790	4	Bearing	Std
	20790423	4	Big-end bearing kit	U.S.=0,25mm
	20790428	4	Big-end bearing kit	U.S.=0,50mm
	11700335	1	Cylinder head gasket, cylinder head	TH=1,54mm
	11700336	1	Cylinder head gasket, cylinder head	TH=1,64mm
	11700337	1	Cylinder head gasket, cylinder head	TH=1,74mm
	(3842145)	1	Gasket kit, inlet, exhaust pipe	Obsolete part
	20875134	1	• Gasket, induction manifold	
	20591706	4	• Gasket	Induction manifold /cylinder head
	20557208	4	• Gasket, branch pipe	
	21025445	1	Gasket, complete	For TAD530, 531 and 532
			• Bulletin P-20-0-4	Changes in Kits for Cologne Engines
1			Repair kit, turbo	
			De-carbonizing kit	
	20725315	1	• Gasket, valve cover	
	947281	2	• Gasket	Hollow screw / cooling pipe to radiator.
	11700426	4	• Gasket, copper	Nozzle
	20405627	1	• Gasket	Crankcase ventilation
	20441519	1	• O-ring	Thermostat housing-cylinderhead.
	20412325	2	• O-ring	Thermostat housing-water pump.
	976013	8	• O-ring	Valve guide
	(877339)	1	Overhaul gasket kit, additional recondition	Obsolete part
	20405652	1	• O-ring	
	20412325	2	• O-ring	
	20405691	1	• Gasket	
	20405888	1	• Gasket	
	20405843	1	• Gasket	
	11998	2	• Gasket	
	840879	1	• Sealant	
	20405728	1	• Sealing ring	
	20405627	1	• Gasket	
	20405747	1	• Gasket	
	20412588	1	• Plane gasket	
	969011	3	• Gasket	
	20405769	1	• Sealing ring	
	947622	1	• Gasket	
	20412568	1	• Lip seal	
	20742661	1	• Gasket	
	20412286	1	• Lip seal	
	20412341	1	• Gasket	
	20405569	1	• Sealing ring	
	20405825	1	• Gasket	
	20405578	1	• O-ring	
	957189	1	• Gasket	
	3843579	1	Overhaul kit, reconditioning	
			• Bulletin P-99-0-102	Overhaul kits
1	3842448	4	• Cylinder liner kit	

Ref	Part No.	Qty	Description	Notes
	(877339)	1	• Overhaul gasket kit	Obsolete part
	976929	1	• Gasket	
	(3842145)	1	• Gasket kit	Obsolete part
	(3842149)	1	• Gasket kit	Obsolete part
	20565150	4	• Bearing	(11700316)
	11700326	8	• Flange screw	
	20405516	5	• Main bearing	
	20405899	1	• Thrust washer kit	
	(3842138)	1	• Gasket kit	Obsolete part

99 Repair Kits
TAD730GE, TAD731GE

Ref	Part No.	Qty	Description	Notes
1	3843536	6	Cylinder liner kit	
		6	• Cylinder liner	
	20412762	12	• O-ring	
		6	• Piston	
	20405577	6	• • Piston pin	
	20405576	12	• • Snap ring	
	21304975	6	• • Piston ring	
	21141948	7	Main bearing	Std
	20405529	7	Main bearing	U.S.=0,25mm, SN-10594934
	21234191	7	Main bearing	U.S.=0,25mm, SN10594935-
	20405541	7	Main bearing	U.S.=0,50mm
	20405899	1	Thrust washer kit	Std
	11700315	1	Safety washer	O.S.=0.20mm (3.1mm)
	20766790	6	Bearing	Std
	20790423	6	Big-end bearing kit	U.S.=0,25mm
	20790428	6	Big-end bearing kit	U.S.=0,50mm
	21025447	1	Gasket, complete • Bulletin P-20-0-4	Complete but without oil pan gasket Changes in Kits for Cologne Engines
	20405900	1	Cylinder head gasket, cylinder head	TH=1,54mm
	20405901	1	Cylinder head gasket, cylinder head	TH=1,64mm
	20405902	1	Cylinder head gasket, cylinder head	TH=1,74mm
	(3842147)	1	Gasket kit, inlet, exhaust pipe	Obsolete part
	20405613	1	Gasket, induction manifold	
	20875134	1	• Gasket, induction manifold	
	20591706	4	• Gasket	Induction manifold /cylinder head
	20557208	4	• Gasket, branch pipe	
	(3842150)	1	Gasket kit, turbo	Obsolete part
	20405970	1	• Gasket	
	20405969	1	• Gasket	
	20405595	1	• Gasket	
	20405790	1	• Plane gasket	
	969011	1	• Gasket	
	20405822	2	• O-ring	
	20405535	2	• O-ring	
	(3842139)	1	Gasket kit	Obsolete part
	20412597	1	• Gasket, valve cover	Earlier prod., TAD720GE
	947281	2	• Gasket	Hollow screw / cooling pipe to radiator.
	11700426	6	• Gasket, copper	Nozzle
	20405943	1	• Gasket	Crankcase ventilation
	20441519	1	• O-ring	Thermostat housing-cylinderhead.
	20412325	2	• O-ring	Thermostat housing-water pump.
	976013	12	• O-ring	Valve guide
	(877340)	1	Overhaul gasket kit, additional recondition	Obsolete part
	20405652	1	• O-ring	
	20412325	2	• O-ring	
	20405691	1	• Gasket	
	20405888	1	• Gasket	
	840879	1	• Sealant	
	11998	2	• Gasket	
	20405728	1	• Sealing ring	
	20405915	1	• Gasket	
	20405943	1	• Gasket	
	20405747	1	• Gasket	
	20412597	1	• Gasket	
	969011	3	• Gasket	
	20405769	1	• Sealing ring	
	947622	1	• Gasket	
	20412568	1	• Lip seal	
	20412568	1	• Lip seal	
	20412568	1	• Lip seal	
	20412341	1	• Gasket	

99 Repair Kits
TAD730GE, TAD731GE

Ref	Part No.	Qty	Description	Notes
	20412341	1	• Gasket	
	20405578	1	• O-ring	
	20405569	1	• Sealing ring	
	957189	1	• Gasket	
	3843580	1	Overhaul kit, reconditioning • Bulletin P-99-0-102	Overhaul kits
1	3843536	6	• Cylinder liner kit	
	(877340)	1	• Overhaul gasket kit	Obsolete part
	(3842147)	1	• Gasket kit	Obsolete part
	(3842150)	1	• Gasket kit	Obsolete part
	20565150	6	• Bearing	(11700316)
	11700326	12	• Flange screw	
	20405516	7	• Main bearing	
	20405899	1	• Thrust washer kit	
	(3842139)	1	• Gasket kit	Obsolete part

99 Repair Kits
TAD732GE, TAD733GE

Ref	Part No.	Qty	Description	Notes
1	3842448	6	Cylinder liner kit	
		6	• Cylinder liner	
	20412762	12	• O-ring	
		6	• Piston	
	20405577	6	• • Piston pin	
	20405576	12	• • Snap ring	
	21304975	6	• • Piston ring	
	21141948	7	Main bearing	Std
	20405529	7	Main bearing	U.S=0,25mm, SN-10594934
	21234191	7	Main bearing	U.S=0,25mm, SN10594935-
	20405541	7	Main bearing	U.S=0,50mm
	20405899	1	Thrust washer kit	Std
	11700315	1	Safety washer	O.S=0.20mm (3.1mm)
	20766790	6	Bearing	Std
	20790423	6	Big-end bearing kit	U.S=0.25mm
	20790428	6	Big-end bearing kit	U.S=0.50mm
	21025447	1	Gasket, complete • Bulletin P-20-0-4	Complete but without oil pan gasket Changes in Kits for Cologne Engines
1	20405900	1	Cylinder head gasket, cylinder head	TH=1,54mm
	20405901	1	Cylinder head gasket, cylinder head	TH=1,64mm
	20405902	1	Cylinder head gasket, cylinder head	TH=1,74mm
	(3842147)	1	Gasket kit, inlet, exhaust pipe	Obsolete part
	20405613	1	Gasket, induction manifold	
	20875134	1	• Gasket, induction manifold	(20544499)
	20591706	4	• Gasket	Induction manifold /cylinder head
	20557208	4	• Gasket, branch pipe	
	(3842140)	1	Gasket kit	Obsolete part
	20412597	1	• Gasket, valve cover	Earlier prod.
	947281	2	• Gasket	Hollow screw / cooling pipe to radiator.
	11700426	6	• Gasket, copper	Nozzle
	20405943	1	• Gasket	Crankcase ventilation
	976013	12	• O-ring	Valve guide
	(877340)	1	Overhaul gasket kit, additional recondition	Obsolete part
	20405652	1	• O-ring	
	20412325	2	• O-ring	
	20405691	1	• Gasket	
	20405888	1	• Gasket	
	840879	1	• Sealant	
	11998	2	• Gasket	
	20405728	1	• Sealing ring	
	20405915	1	• Gasket	
	20405943	1	• Gasket	
	20405747	1	• Gasket	
	20412597	1	• Gasket	
	969011	3	• Gasket	
	20405769	1	• Sealing ring	
	947622	1	• Gasket	
	20412568	1	• Lip seal	
	20412568	1	• Lip seal	
	20412568	1	• Lip seal	
	20412341	1	• Gasket	
	20412341	1	• Gasket	
	20405578	1	• O-ring	
	20405569	1	• Sealing ring	
	957189	1	• Gasket	
	3843791	1	Overhaul kit, reconditioning • Bulletin P-99-0-102	Overhaul kits
1	3842448	6	• Cylinder liner kit	Obsolete part
	(877340)	1	• Overhaul gasket kit	Obsolete part
	(3842147)	1	• Gasket kit	Obsolete part

99 Repair Kits
TAD732GE, TAD733GE

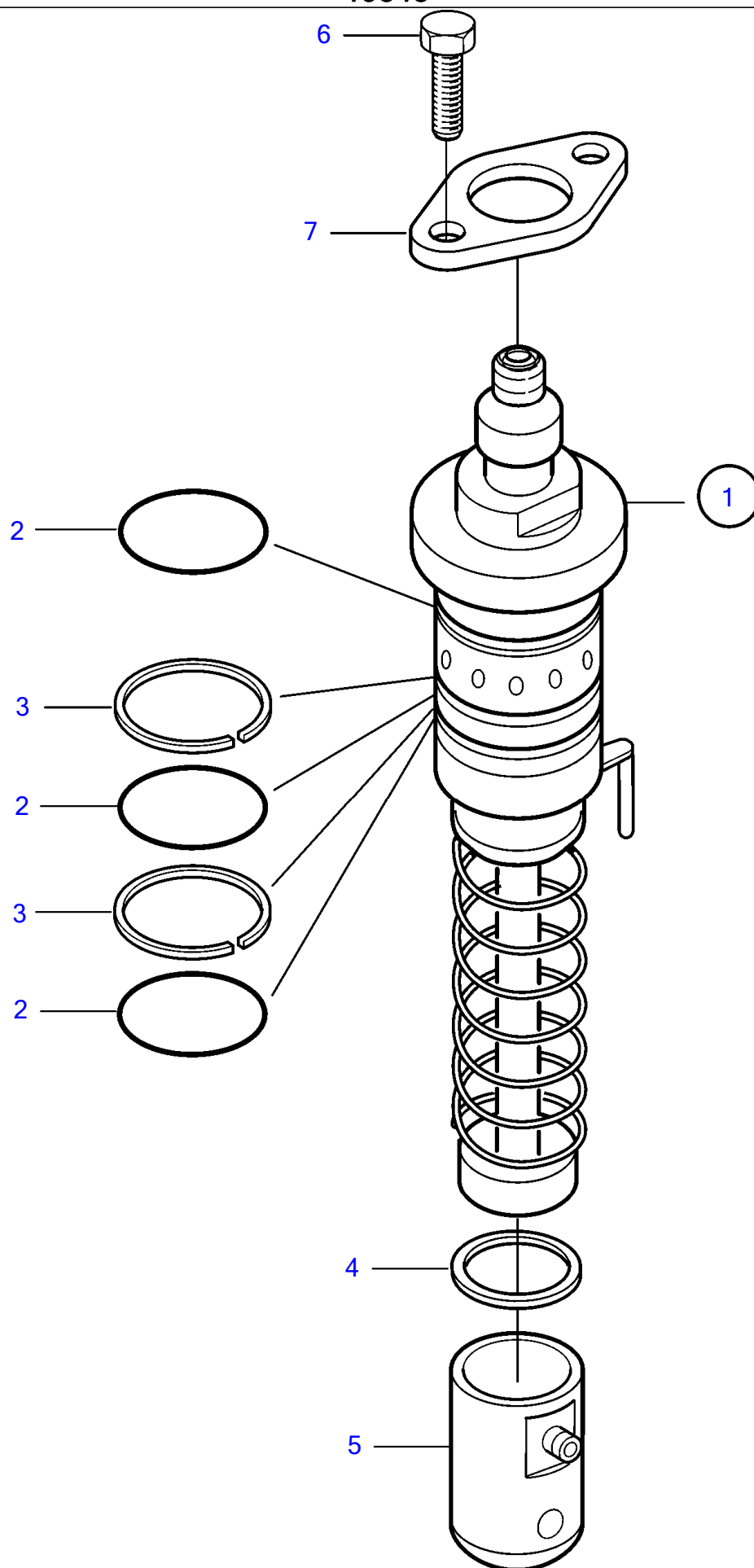
Ref	Part No.	Qty	Description	Notes
	3842151	1	• Gasket kit	
	20565150	6	• Bearing	(11700316), SN1058413-SN1099357, TAD721GE, TAD722GE
	11700326	12	• Flange screw	
	20405516	7	• Main bearing	
	20405899	1	• Thrust washer kit	
	(3842140)	1	• Gasket kit, decarbonizing	Obsolete part

**99 Overhaul Kits: GENSET
TD520GE**

Ref	Part No.	Qty	Description	Notes
1	877405	1	Overhaul kit, basic	TD520GE, TAD520GE
	877337	4	• Cylinder liner kit	
	20405516	5	• Main bearing	SN-10594934
	21141948		• Main bearing	SN10594935-
	20405899	1	• Thrust washer kit	
	20766790	4	• Bearing	
	(3842149)	1	• Gasket kit, turbo connect.	Obsolete part, (3587658)
	3587657	1	• Gasket kit, inlet, exhaust pipe	
	(877339)	1	• Overhaul gasket kit, additional recondition	Obsolete part
	11700326	8	• Flange screw	
	976929	1	• Gasket	
	877649	1	Overhaul kit, cylinder head	TD520GE, TAD520GE, Replaced by 3843936.
	(3843936)	1	Cylinder head kit	Obsolete part
	20714469	4	• Inlet valve	
	20565912	4	• Exhaust valve	
	11700345	16	• Collet	
	20405897	8	• Valve guide	
	11700366	8	• Valve	
	20459962	4	• Valve seat, intake	
	20459963	4	• Valve seat, exhaust	
	(877638)	1	Overhaul kit, sub unit	Obsolete part, TD520GE
	20515177	1	• Front cover, complete	SN-01098271
	20882047	1	• Front cover	SN01098272-
	20726077	1	• Coolant pump, complete	
	20405604	1	• Turbocharger, complete	
	3802130	1	• Turbocharger, exch, complete, exch	
	20543483	4	• Injector	
	3803968	4	• Injector, exch	
	20497044	1	• Fuel pump	
	20405567	4	• Pipe	
	(877639)	1	Overhaul kit, sub unit	Obsolete part, TAD520GE
	20515177	1	• Front cover, complete	SN-01098271
	20882047	1	• Front cover	SN01098272-
	20726077	1	• Coolant pump, complete	
	20405586	1	• Turbocharger, complete	
	3802131	1	• Turbocharger, complete, exch	
	20451317	4	• Injector	
	3803652	4	• Injector, exch	
	20497044	1	• Fuel pump	
	20405567	4	• Pipe	

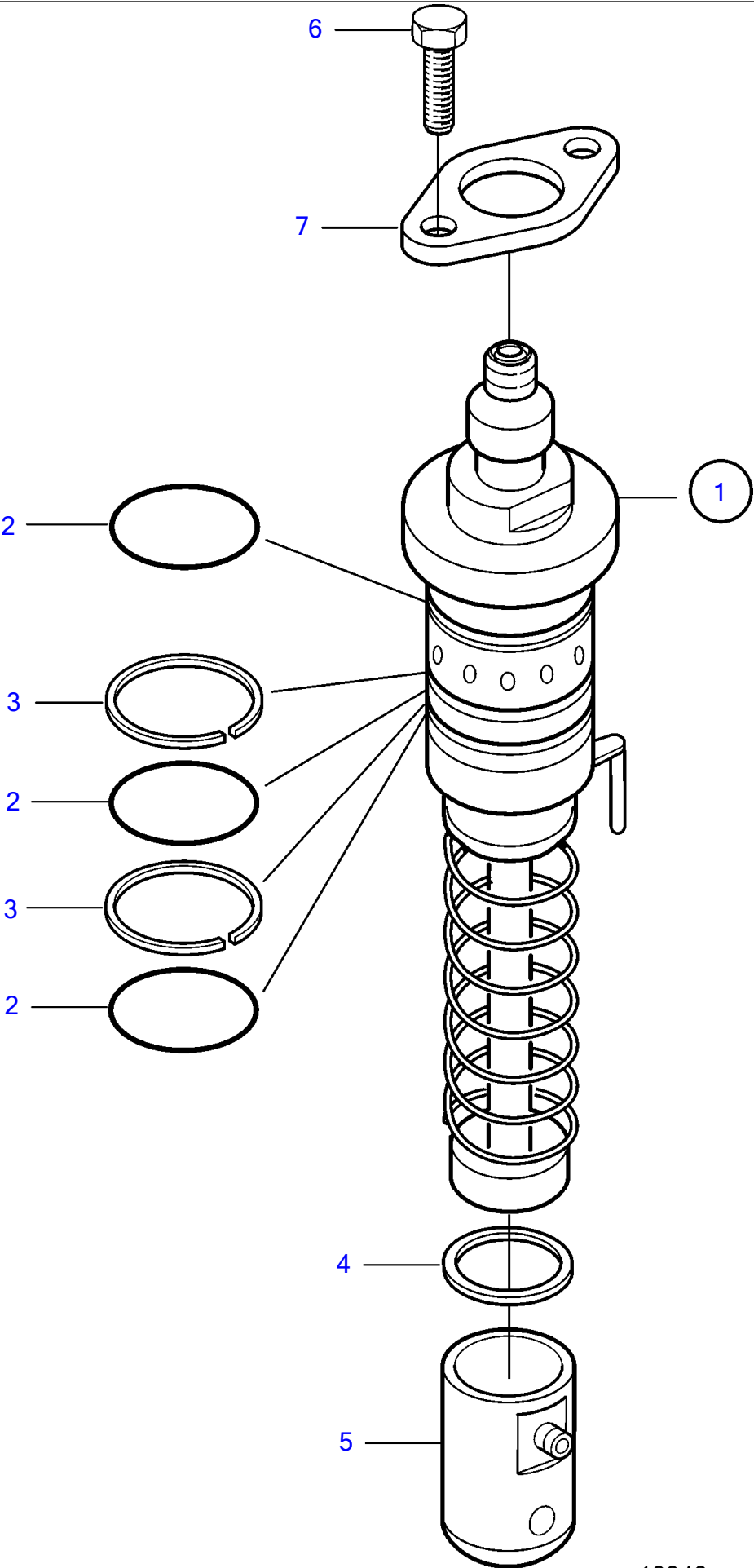
**99 Overhaul Kits: GENSET
TD720GE**

Ref	Part No.	Qty	Description	Notes
1	877407	1	Overhaul kit, basic	TD720GE, TAD720GE
	877337	6	• Cylinder liner kit	
	20405516	7	• Main bearing	
	21141948	7	• Main bearing	
	20405899	1	• Thrust washer kit	
	11700316	6	• Bearing	
	3587656	1	• Gasket kit, turbo connect.	
	3587655	1	• Gasket kit, inlet, exhaust pipe	
	(877340)	1	• Overhaul gasket kit, additional recondition	Obsolete part
	11700326	12	• Flange screw	
	877644	1	Overhaul kit, cylinder head	TD720GE, TAD720GE
	20417380	6	• Valve	
	20405503	6	• Exhaust valve	
	11700345	24	• Collet	
	20405897	12	• Valve guide	Replaced by 21344665.
	21344665	12	• Valve guide	
	11700366	12	• Valve	
	20459962	6	• Valve seat, intake	
	20459963	6	• Valve seat, exhaust	
	(877704)	1	Overhaul kit, sub unit	Obsolete part, TD720GE
	20524412	1	• Cover, complete	
	20405685	1	• Coolant pump, complete	
	3803516	1	• Coolant pump, complete, exch	
	20405585	1	• Turbocharger, complete	
	3802132	1	• Turbocharger, complete, exch	
	20543483	6	• Injector	
	3803968	6	• Injector, exch	
	20497044	1	• Fuel pump	
	20405567	6	• Pipe	
	(877642)	1	Overhaul kit, sub unit	Obsolete part, TAD720GE
	20524412	1	• Cover, complete	
	20405685	1	• Coolant pump, complete	
	3803516	1	• Coolant pump, complete, exch	
	20412315	1	• Turbocharger, complete	
	3802133	1	• Turbocharger, complete, exch	
	20451317	6	• Injector	
	3803652	6	• Injector, exch	
	20497044	1	• Fuel pump	
	20405567	6	• Pipe	



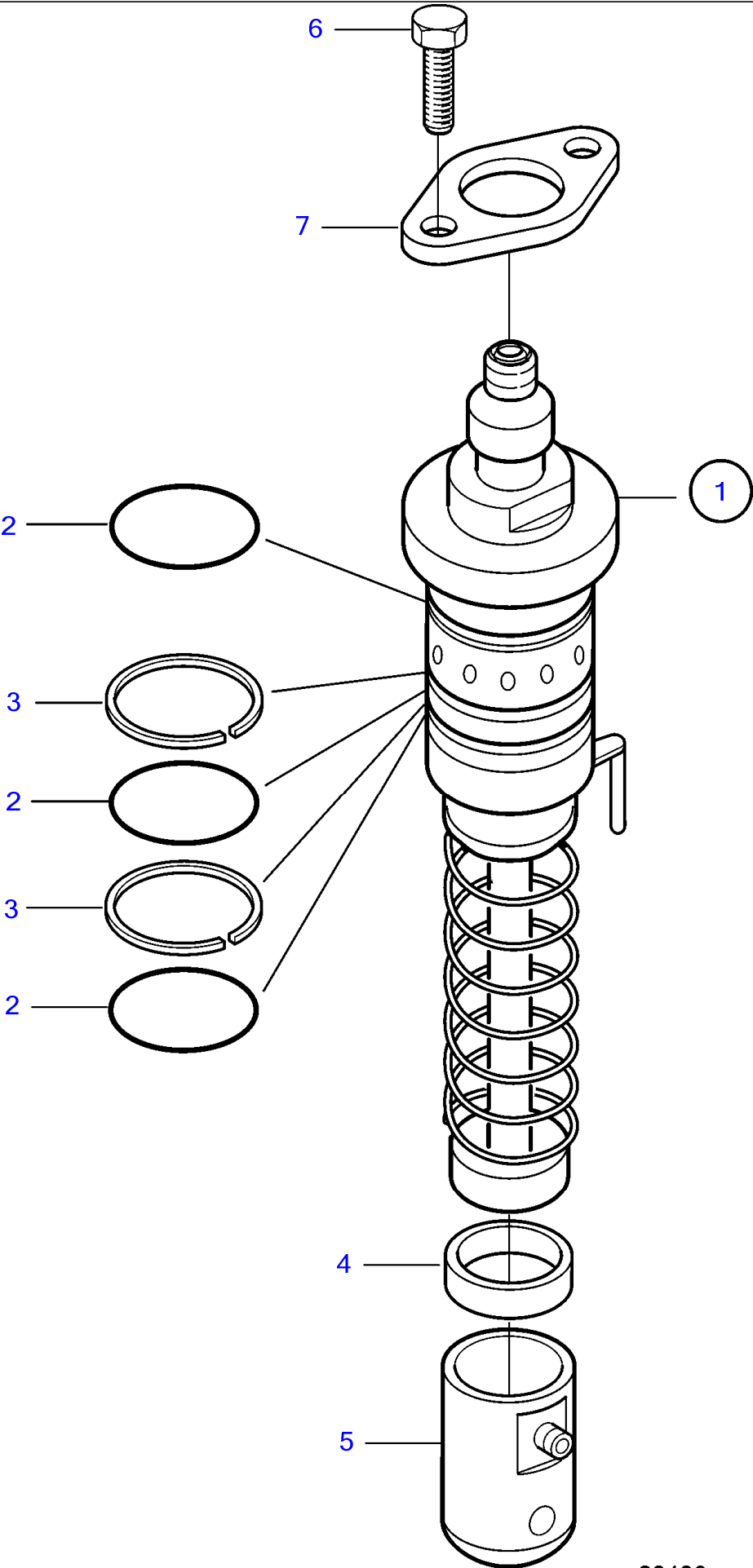
23 Fuel Injection Pump. Stage 1: GENSET
TAD530GE, TAD531GE, TAD532GE

Ref	Part No.	Qty	Description	Notes
1	20500360	4	Injection pump	Stage 1
	3803967	4	Injection pump, exch	Stage 1
	3803967	4	Injection pump	
2	20405907	12	• Sealing ring	
3	20405543	8	• Shim	
4	20881345	X	• Shim	TH=1,0mm
	20881359	X	• Shim	TH=1,1mm
	20881364	X	• Shim	TH=1,2mm
	20881368	X	• Shim	TH=1,3mm
	20881372	X	• Shim	TH=1,4mm
	20881376	X	• Shim	TH=1,5mm
	20881379	X	• Shim	TH=1,6mm
	20881381	X	• Shim	TH=1,7mm
	20881386	X	• Shim	TH=1,8mm
	20881388	X	• Shim	TH=1,9mm
	20881390	X	• Shim	TH=2,0mm
	20881393	X	• Shim	TH=2,1mm
	20881395	X	• Shim	TH=2,2mm
	20881396	X	• Shim	TH=2,3mm
	20881400	X	• Shim	TH=2,4mm
	20881405	X	• Shim	TH=2,5mm
	20881406	X	• Shim	TH=2,6mm
	20881408	X	• Shim	TH=2,7mm
	20881411	X	• Shim	TH=2,8mm
	20881413	X	• Shim	TH=2,9mm
	20881415	X	• Shim	TH=3,0mm
	20881419	X	• Shim	TH=3,1mm
	20881420	X	• Shim	TH=3,2mm
	20881424	X	• Shim	TH=3,3mm
	20881435	X	• Shim	TH=3,4mm
	20881441	X	• Shim	TH=3,5mm
	20881451	X	• Shim	TH=3,6mm
	20881454	X	• Shim	TH=3,7mm
5	11700392	4	Tappet	Std
6	20460071	8	Flange screw	
7	20405565	4	Flange	



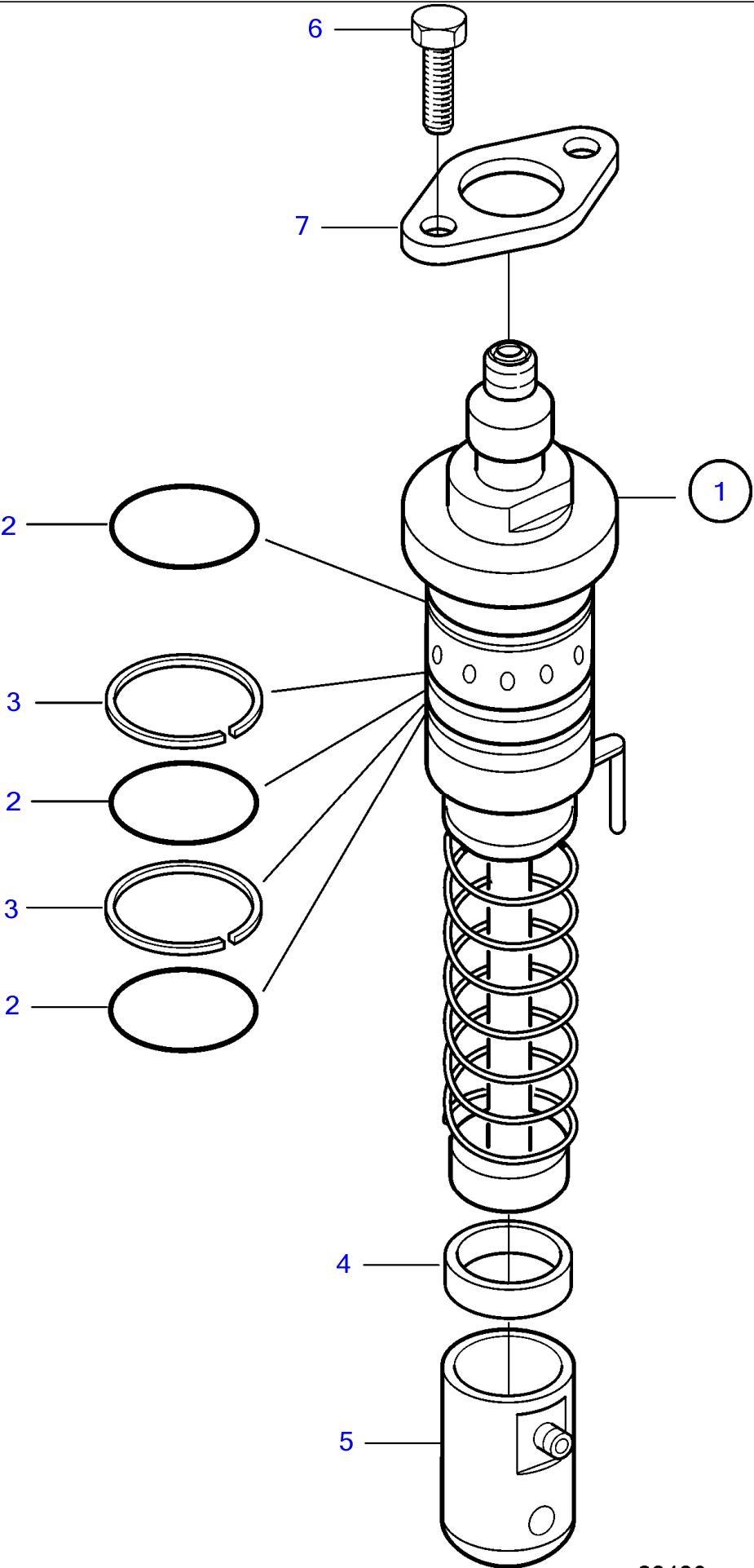
23 Fuel Injection Pump. Stage 1
 TAD730GE, TAD731GE, TAD732GE, TAD733GE

Ref	Part No.	Qty	Description	Notes
1	20500360	6	Injection pump	Stage 1
	3803967	6	Injection pump, exch	Stage 1
	3803967	6	Injection pump	
2	20405907	18	• Sealing ring	
3	20405543	12	• Shim	
4	20881345	X	• Shim	TH=1,0mm
	20881359	X	• Shim	TH=1,1mm
	20881364	X	• Shim	TH=1,2mm
	20881368	X	• Shim	TH=1,3mm
	20881372	X	• Shim	TH=1,4mm
	20881376	X	• Shim	TH=1,5mm
	20881379	X	• Shim	TH=1,6mm
	20881381	X	• Shim	TH=1,7mm
	20881386	X	• Shim	TH=1,8mm
	20881388	X	• Shim	TH=1,9mm
	20881390	X	• Shim	TH=2,0mm
	20881393	X	• Shim	TH=2,1mm
	20881395	X	• Shim	TH=2,2mm
	20881396	X	• Shim	TH=2,3mm
	20881400	X	• Shim	TH=2,4mm
	20881405	X	• Shim	TH=2,5mm
	20881406	X	• Shim	TH=2,6mm
	20881408	X	• Shim	TH=2,7mm
	20881411	X	• Shim	TH=2,8mm
	20881413	X	• Shim	TH=2,9mm
	20881415	X	• Shim	TH=3,0mm
	20881419	X	• Shim	TH=3,1mm
	20881420	X	• Shim	TH=3,2mm
	20881424	X	• Shim	TH=3,3mm
	20881435	X	• Shim	TH=3,4mm
	20881441	X	• Shim	TH=3,5mm
	20881451	X	• Shim	TH=3,6mm
	20881454	X	• Shim	TH=3,7mm
5	11700392	6	Tappet	Std
6	20460071	12	Flange screw	
7	20405565	6	Flange	



23 Fuel Injection Pump. Stage 2: GENSET
TAD530GE, TAD531GE, TAD532GE

Ref	Part No.	Qty	Description	Notes
1	20550001	4	Injection pump	Stage 2
	3803987	4	Injection pump, exch	Stage 2
	3803987	4	Injection pump	
2	20405907	12	• Sealing ring	
3	20405543	8	• Shim	
4	24425970	X	Shim	TH=4,65mm
	24425958	X	Shim	TH=4,70mm
	24425969	X	Shim	TH=4,75mm
	24425972	X	Shim	TH=4,80mm
	24425973	X	Shim	TH=4,85mm
	24425974	X	Shim	TH=4,90mm
	24425982	X	Shim	TH=4,95mm
	24425983	X	Shim	TH=5,00mm
	24425984	X	Shim	TH=5,05mm
	24425985	X	Shim	TH=5,10mm
	24425986	X	Shim	TH=5,15mm
	24425987	X	Shim	TH=5,20mm
	24425989	X	Shim	TH=5,25mm
	24425991	X	Shim	TH=5,30mm
	24425992	X	Shim	TH=5,35mm
	24425994	X	Shim	TH=5,40mm
	24425996	X	Shim	TH=5,45mm
	24425998	X	Shim	TH=5,50mm
	24426002	X	Shim	TH=5,55mm
	24426004	X	Shim	TH=5,60mm
	24426005	X	Shim	TH=5,65mm
	24426006	X	Shim	TH=5,70mm
	24426007	X	Shim	TH=5,75mm
	24426010	X	Shim	TH=5,80mm
	24426011	X	Shim	TH=5,85mm
	24426012	X	Shim	TH=5,90mm
	24426013	X	Shim	TH=5,95mm
	24426014	X	Shim	TH=6,00mm
	24426015	X	Shim	TH=6,05mm
	24426016	X	Shim	TH=6,10mm
	20569635	X	Shim	TH=6,15mm
	24426018	X	Shim	TH=6,20mm
	24426019	X	Shim	TH=6,25mm
	24426020	X	Shim	TH=6,30mm
	24426021	X	Shim	TH=6,35mm
	24426022	X	Shim	TH=6,40mm
5	20549905	4	Roller	SN-1099409
	21055401	4	Tappet	SN1099410-
6	20460071	8	Flange screw	
7	20405565	4	Flange	



23 Fuel Injection Pump. Stage 2
 TAD730GE, TAD731GE, TAD732GE, TAD733GE

Ref	Part No.	Qty	Description	Notes
1	20550001	6	Injection pump	Stage 2
	3803987	6	Injection pump, exch	Stage 2
	3803987	6	Injection pump	
2	20405907	18	• Sealing ring	
3	20405543	12	• Shim	
4	24425970	X	Shim	TH=4,65mm
	24425958	X	Shim	TH=4,70mm
	24425969	X	Shim	TH=4,75mm
	24425972	X	Shim	TH=4,80mm
	24425973	X	Shim	TH=4,85mm
	24425974	X	Shim	TH=4,90mm
	24425982	X	Shim	TH=4,95mm
	24425983	X	Shim	TH=5,00mm
	24425984	X	Shim	TH=5,05mm
	24425985	X	Shim	TH=5,10mm
	24425986	X	Shim	TH=5,15mm
	24425987	X	Shim	TH=5,20mm
	24425989	X	Shim	TH=5,25mm
	24425991	X	Shim	TH=5,30mm
	24425992	X	Shim	TH=5,35mm
	24425994	X	Shim	TH=5,40mm
	24425996	X	Shim	TH=5,45mm
	24425998	X	Shim	TH=5,50mm
	24426002	X	Shim	TH=5,55mm
	24426004	X	Shim	TH=5,60mm
	24426005	X	Shim	TH=5,65mm
	24426006	X	Shim	TH=5,70mm
	24426007	X	Shim	TH=5,75mm
	24426010	X	Shim	TH=5,80mm
	24426011	X	Shim	TH=5,85mm
	24426012	X	Shim	TH=5,90mm
	24426013	X	Shim	TH=5,95mm
	24426014	X	Shim	TH=6,00mm
	24426015	X	Shim	TH=6,05mm
	24426016	X	Shim	TH=6,10mm
	20569635	X	Shim	TH=6,15mm
	24426018	X	Shim	TH=6,20mm
	24426019	X	Shim	TH=6,25mm
	24426020	X	Shim	TH=6,30mm
	24426021	X	Shim	TH=6,35mm
	24426022	X	Shim	TH=6,40mm
5	20549905	6	Roller	SN-1099409
	21055401	6	Tappet	SN1099410-
6	20460071	12	Flange screw	
7	20405565	6	Flange	

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**26 Expansion Tank with Connection Components SN5310944314-: GENSET
TAD732GE, TAD733GE**

Ref	Part No.	Qty	Description	Notes
1	21661750	1	Expansion tank	
2	21661754	1	• Cap	
3	21661774	1	• Level sensor	
4	21661791	1	• Cover	
5	990536	1	Rubber hose,air venting	L=2300mm
6		3	Attaching lug	
7	946440	5	Flange screw	
8		3	Washer	
9		10	Nut plate	
10	20912091	1	Bracket	
11	20912088	1	O-ring	
12	20912085	1	Plug	
13	990536	1	Rubber hose	L=800mm
14	994556	2	Hose clamp	
15	967949	1	Flange screw	
16	20860404	1	Clamp	
17	21662524	1	Hose	
18	21663462	1	Hose clamp	
19	943471	5	Hose clamp	
20	20860404	1	Clamp	
21	994442	1	Flange screw	
22	21697495	1	Hose	EGR
23	21697516	1	T-nipple	EGR
24	21697494	1	Hose	
25	21661157	1	Hose	
26	20798511	2	Hose clamp	
27	888852	1	Attaching clamp	
28	946440	1	Flange screw	

Description	Notes
Cylinder Head	TD520GE, TAD530GE, TAD531GE
Cylinder Head	TAD532GE
Cylinder Head	TAD730GE, TAD731GE
Cylinder Head	TD720GE
Cylinder Head	TAD732GE, TAD733GE
Cylinder Block	TAD530GE, TAD531GE
Cylinder Block	TAD532GE
Cylinder Block	TAD730GE, TAD731GE
Cylinder Block	TAD732GE, TAD733GE
Cylinder Block	TD520GE
Cylinder Block	TD720GE
Flywheel Housing SAE 3	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE
Flywheel Housing SAE 2	TD520GE, TAD530GE, TAD531GE, TD720GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE
Flywheel Housing SAE 1	TAD732GE, TAD733GE
Flywheel for Flywheel Housing SAE 3	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE
Flywheel for Flywheel Housing SAE 2	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE
Flywheel (0,87 kgm ²) for Flywheel Housing SAE 2&3	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE
Timing Gear Casing and Gears	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE
Camshaft. Stage 2, Tier 2	TAD530GE, TAD531GE, TAD532GE
Camshaft. Stage 2, Tier 2	TAD730GE, TAD731GE, TAD732GE, TAD733GE
Camshaft. Stage 1, Tier 1	TD520GE
Camshaft. Stage 1, Tier 1	TD720GE
Crank Mechanism Stage 2, Tier 2	TAD530GE, TAD531GE
Crank Mechanism Stage 2, Tier 2	TAD532GE
Crank Mechanism Stage 2, Tier 2	TAD730GE, TAD731GE
Crank Mechanism Stage 2, Tier 2	TAD732GE, TAD733GE
Crank Mechanism Stage 1, Tier 1	TD520GE
Crank Mechanism Stage 1, Tier 1	TD720GE
Engine Mounting	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE
Lifting Iron	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE
Engine Mounting and Frame	TD720GE

Description	Notes
Lubricating System	TAD530GE, TAD531GE, TAD532GE
Lubricating System	TAD730GE, TAD731GE
Lubricating System	TAD732GE, TAD733GE
Lubricating System	TD520GE
Lubricating System	TD720GE
Oil Bilge Pump	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE
Oil Bilge Pump	TD720GE
Oil Bilge Pump	TAD732GE, TAD733GE

Description	Notes
Fuel System	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE
Fuel System for Separate Fan Bracket	TAD732GE, TAD733GE
Fuel Pump	TAD530GE, TAD531GE, TAD532GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE
Hand Fuel Pump	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE
Fuel Filter and Water Separator	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE
Remote Twin Fuelfilter	TAD531GE, TAD532GE, TAD730GE, TAD731GE
Remote Twin Fuelfilter	TAD732GE, TAD733GE
Fuel Injector and Delivery Pipes	TAD530GE, TAD531GE, TAD532GE
Fuel Injector and Delivery Pipes	TAD730GE, TAD731GE, TAD732GE, TAD733GE
Fuel Injector and Delivery Pipes.	TD520GE
Stage 1, Tier 1: For Engine without EDC	
Fuel Injector and Delivery Pipes.	TD520GE
Stage 1, Tier 1: For Engine with EDC	
Fuel Injector and Delivery Pipes.	TD720GE
Stage 1, Tier 1: EDC	
Fuel Injection Pump. Stage 1: A	TD520GE, TD720GE
Fuel Injection Pump. Stage 1: B	TD520GE, TD720GE
Fuel Injection Pump. Stage 2, Tier 2: A	TAD530GE, TAD531GE, TAD532GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE
Fuel Injection Pump. Stage 2, Tier 2: B	TAD530GE, TAD531GE, TAD532GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE
Governor	TD520GE, TAD530GE, TAD531GE, TD720GE, TAD730GE, TAD731GE
Actuator	TAD530GE, TAD531GE, TAD532GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE
Actuator	TD520GE, TD720GE
Governor for GAC Kit	TD520GE, TD720GE

Description	Notes
Inlet Manifold	TAD530GE, TAD531GE
Inlet Manifold	TAD532GE
Inlet Manifold	TAD730GE, TAD731GE
Inlet Manifold	TAD732GE, TAD733GE
Inlet Manifold	TD520GE
Inlet Manifold	TD720GE
Air Heaters	TAD532GE, TAD732GE, TAD733GE
Exhaust Manifold and Turbocharger. Low Mounted Turbo. Exhaust Outlet Front	TAD530GE, TAD531GE
Exhaust Manifold and Turbocharger. Low Mounted Turbo. Exhaust Outlet Front	TAD532GE
Exhaust Manifold and Turbocharger. Low Mounted Turbo. Exhaust Outlet Front	TAD730GE, TAD731GE
Exhaust Manifold and Turbocharger. Low Mounted Turbo. Exhaust Outlet Front	TAD732GE, TAD733GE
Exhaust Manifold and Turbocharger. Low Mounted Turbo. Exhaust Outlet Front. Stage 1, Tier 1	TD520GE
Exhaust Manifold and Turbocharger. Low Mounted Turbo. Exhaust Outlet Front. Stage 1, Tier 1	TD720GE
Air Filter and Induction Manifold	TAD530GE, TAD531GE
Air Filter and Induction Manifold	TAD532GE
Air Filter and Induction Manifold	TAD730GE, TAD731GE, TAD732GE, TAD733GE
Air Filter and Induction Manifold. Stage 1, Tier 1	TD520GE
Air Filter and Induction Manifold. Stage 1, Tier 1	TD720GE
Crankcase Ventilation. Low Mounted Turbo. Exhaust Outlet Front: Without air filter	TAD530GE, TAD531GE
Crankcase Ventilation. Low Mounted Turbo. Exhaust Outlet Front: With air filter	TAD530GE, TAD531GE, TAD532GE
Crankcase Ventilation. Low Mounted Turbo. Exhaust Outlet Front: Without air filter	TAD730GE, TAD731GE
Crankcase Ventilation. Low Mounted Turbo. Exhaust Outlet Front: With air filter	TAD730GE, TAD731GE, TAD732GE, TAD733GE
Crankcase Ventilation. Low Mounted Turbo: With air filter	TAD532GE, TAD732GE, TAD733GE
Crankcase Ventilation. Low Mounted Turbo. Exhaust Outlet Front. Stage 1, Tier 1: With air filter	TD520GE
Crankcase Ventilation. Low Mounted Turbo. Exhaust Outlet Front. Stage 1, Tier 1: Without air filter	TD520GE
Crankcase Ventilation. Low Mounted Turbo. Exhaust Outlet Front. Stage 1, Tier 1: Without air filter	TD720GE
Crankcase Ventilation. Low Mounted Turbo. Exhaust Outlet Front: With air filter	TD720GE
Crankcase Ventilation. Low Mounted Turbo. Exhaust Outlet Front: With air filter	TD720GE

Description	Notes
Oil Cooler and Oil Filter	TAD530GE, TAD531GE, TAD532GE, TAD730GE, TAD731GE, TAD732GE, TAD733GE
Oil Cooler and Oil Filter SN-5301099356	TD520GE
Oil Cooler and Oil Filter SN-5301099356	TD720GE
Oil Cooler and Oil Filter SN5301099357-	TD520GE, TD720GE
Cooling System	TD520GE
Cooling System, Motor Specification Number: 869335	TD520GE
Cooling System	TD720GE
Cooling System, Motor Specification Number: 869337	TD720GE
Cooling System SN-5311756339	TAD530GE, TAD531GE
Cooling System SN-5311757800	TAD532GE
Cooling System SN5311757801-	TAD532GE
Cooling System SN-5311757800	TAD730GE, TAD731GE
Cooling System SN5311757801-	TAD730GE, TAD731GE
Cooling System	TAD732GE, TAD733GE
Cooling System	TAD732GE, TAD733GE
SN5310410387-5310590631	
Cooling System	TAD732GE, TAD733GE
SN5310590632-5310944313	
Cooling System SN5310944314-	TAD732GE, TAD733GE
Expansion Tank with Connection	TAD732GE, TAD733GE
Components	
SN5310410387-5310590631	
Expansion Tank with Connection	TAD732GE, TAD733GE
Components	
SN5310590632-5310944313	
Expansion Tank with Connection	TAD732GE, TAD733GE
Components SN5310944314-	
Fan	TAD530GE, TAD531GE
Fan	TAD532GE, TAD730GE, TAD731GE
Fan	TD520GE
Fan	TD720GE
Fan and Fan Bracket SN-5310707001:	TAD732GE, TAD733GE
Radiator 20585499	
Fan and Fan Bracket SN5310707002-:	TAD732GE, TAD733GE
Radiator 20585499	
Fan and Fan Bracket SN-5310707001:	TAD732GE, TAD733GE
Radiator 21072151, 21188033	
Fan and Fan Bracket SN5310707002-:	TAD732GE, TAD733GE
Radiator 21072151, 21188033	
Water Pump and Thermostat Housing	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE
Water Pump and Thermostat Housing with Bracket for Fan.	TAD732GE, TAD733GE

Description	Notes
Stop Solenoid, Energized to Run Manual Speed Control	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE, TD720GE

Description	Notes
Alternator, 14V 55A	TAD530GE, TAD531GE, TAD532GE, TAD730GE, TAD731GE
Alternator, 28V 35A	TAD530GE, TAD531GE, TAD532GE, TAD730GE, TAD731GE
Alternator, 14V 55A	TD520GE, TD720GE
Alternator, 28V 35A	TD520GE, TD720GE
Alternator, High Mounted Right Side 14V 55A	TAD732GE, TAD733GE
Alternator, High Mounted Right Side 28V 35A	TAD732GE, TAD733GE
Control Unit and Connection Cable	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE
Contacts and Sensors	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE
Electrical Materials	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE
Electrical System EDC IV . SN5300935274-	TD520GE, TAD530GE, TAD531GE, TAD532GE
Electrical System EDC IV. SN5310712028-	TD720GE, TAD730GE, TAD732GE, TAD733GE
Electrical System EDC IV. SN5310938974-	TAD731GE
Starter Motor 12V SN-10787691: 12V 3.1kW	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD731GE, TAD732GE, TAD733GE
Starter Motor 12V SN10787692-: 12V 4.0kW	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD731GE, TAD732GE, TAD733GE
Starter Motor 24V SN-5310787691: 24V, 4.0kW	TD520GE, TAD530GE, TAD531GE, TAD532GE
Starter Motor 24V SN5310787692-: 24V, 4.0kW	TD520GE, TAD530GE, TAD531GE, TAD532GE
Starter Motor 24V: 24V, 5.5kW	TAD730GE, TAD731GE
Starter Motor 24V: 24V, 5.0kW	TAD732GE, TAD733GE
Starter Motor 24V: 24V, 5.5kW	TD720GE
Starter Motor 12V SN-10787691: 12V 3.1kW	TD520GE
Starter Motor 12V SN10787692-: 12V 4.0kW	TD520GE
Starter Motor, Components SN-10787691: 24V 4.0kW	TD520GE, TAD530GE, TAD531GE, TAD532GE
Starter Motor, Components SN-10787691: 12V 3.1kW	TD520GE, TD720GE, TAD731GE, TAD733GE
Starter Motor, Components: 24V 4, 8 kW	TD520GE, TD720GE
Wiring Harness Suspension (EDC IV)	TD520GE, TAD530GE, TAD531GE, TAD532GE, TD720GE, TAD730GE, TAD731GE, TAD732GE

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Description	Notes
Repair Kits	TD520GE
Repair Kits	TD720GE
Repair Kits	TAD530GE, TAD531GE
Repair Kits	TAD532GE
Repair Kits	TAD730GE, TAD731GE
Repair Kits	TAD732GE, TAD733GE
Overhaul Kits: GENSET	TD520GE
Overhaul Kits: GENSET	TD720GE

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