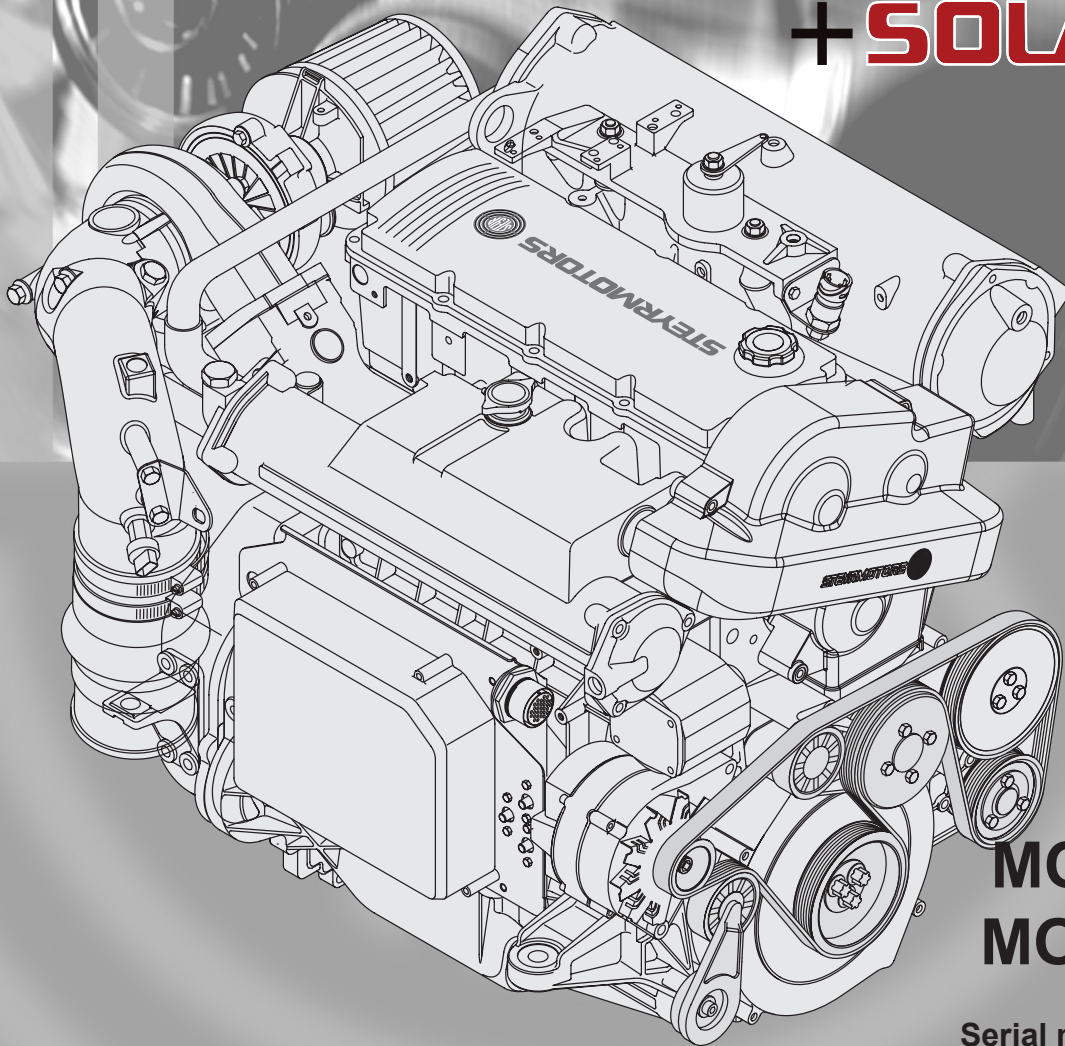


STEYR MARINE ENGINES

144 MARINE
TURBO DIESEL
+ SOLAS



MO144V38
MO144M38

Serial no.: 48217 001-->

SPARE PARTS CATALOGUE

P/N Z001005-0 10th Edition, January 2018

TEL ++43 / 7252 / 222 / 20

FAX ++43 / 7252 / 222 / 29

@ e.sales@steyr-motors.com



STEYRMOTORS



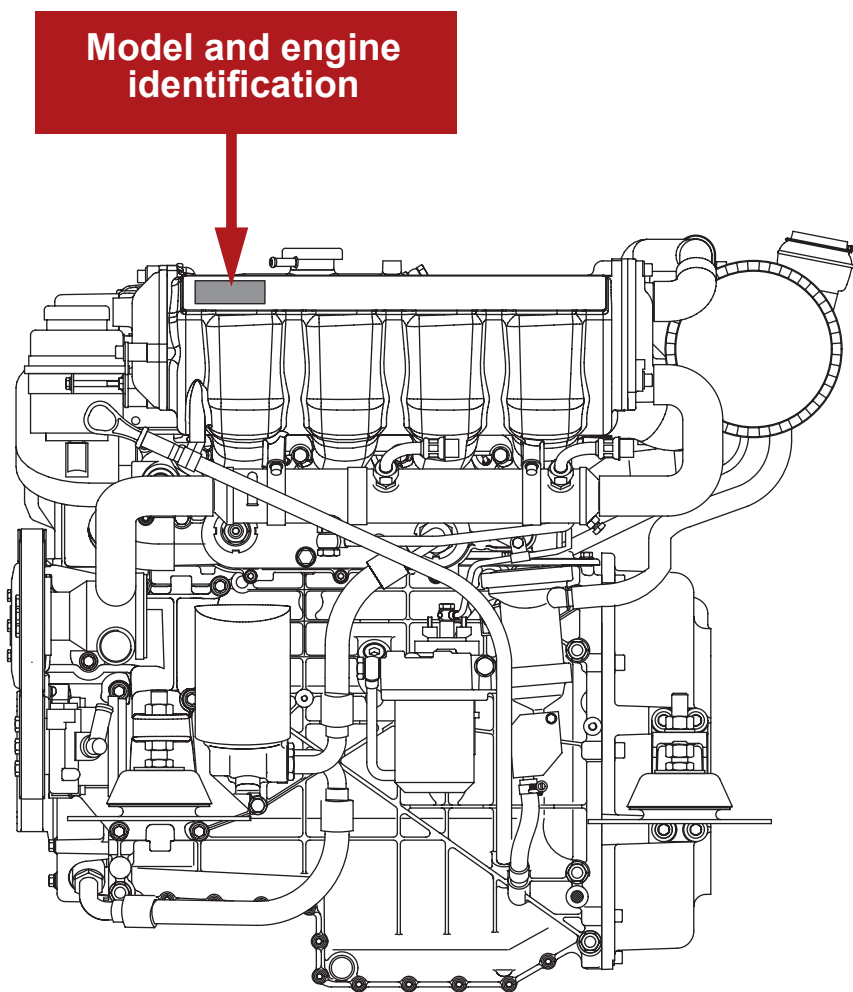
144 MARINE

TURBO DIESEL

+ SOLAS

When ordering spare parts are always indicate model and engine number.
This will speed up delivery and help to avoid mistakes.

The primary model and engine number is located on the engine as illustrated. These numbers are required when requesting warranty and ordering parts.



07001

Substituting automotive or generally supplied parts and hardware will often result in less than desired performance. For this reason, you should insist on the known quality of genuine STEYR Marine matched replacement parts, and should never use parts of unknown quality.

We reserve the right to make changes in design and execution which incorporate advances in technology!



SIGNS AND SYMBOLS

1



TA 0101

CYLINDERBLOCK

144 MARINE
TURBO DIESEL
+ SOLAS

2

01014084-0

3	4	5	6	8	9	7
Pos.	Part.-No.	Qty	Designation			Step
24	Z002676-0	1	SPARE PART COVER T-BELT —>48226146			.2
26	2203711-1	1	COVER T-BELT, UPPER PART 48226147—>			.2
28	9000538-0	3	HEX.FLANGE BOLT EN 1665-M6x50 A2-70			.2

1 Table number

2 Partlist number for whole table/
functional groups

3 Positions number

4 Spare part number

5 Quantity for one engine respectively
assembly group

6 Designation and description of spare part

7 Groupparts are marked with a circle around the
position number. Parts in the list below these,
which had an increased step number by one, will
be included at delivery.

8 —> 4..... Arrow before engine number:
Spare part UNTIL and LOWER

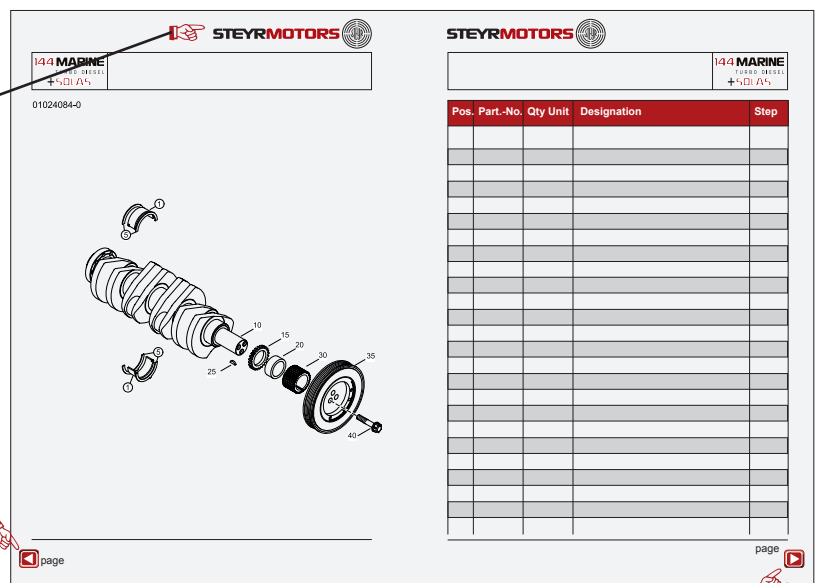
9 4..... —> Arrow past engine number:
Spare part FROM and HIGHER

ACROBAT

... back to "starting point"

... one page back

... one page forward



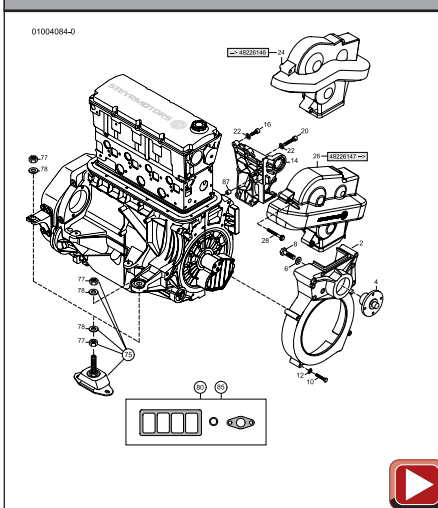
Z001005-0_10



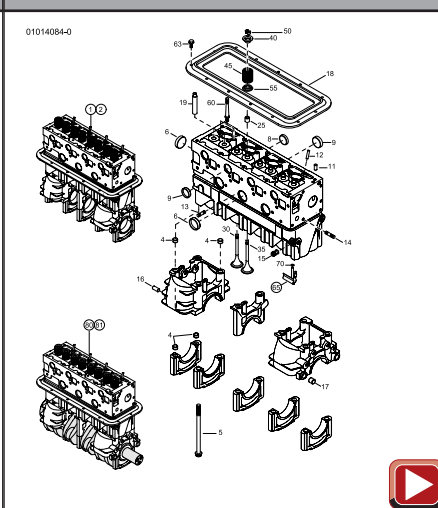


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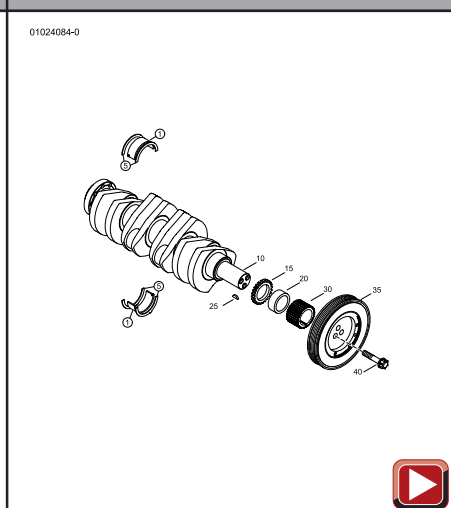
Page 12
MOUNT BRACKET, LIFTING EYE, GASKET SET



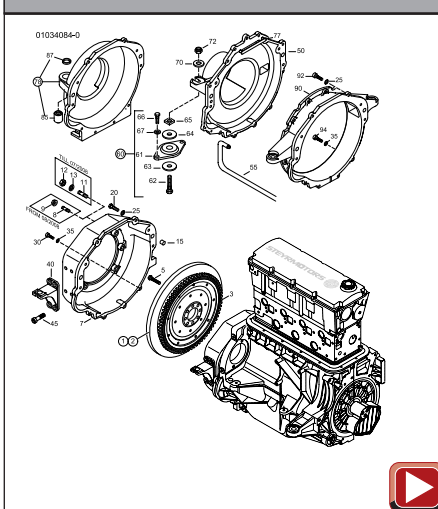
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CRANKCASE



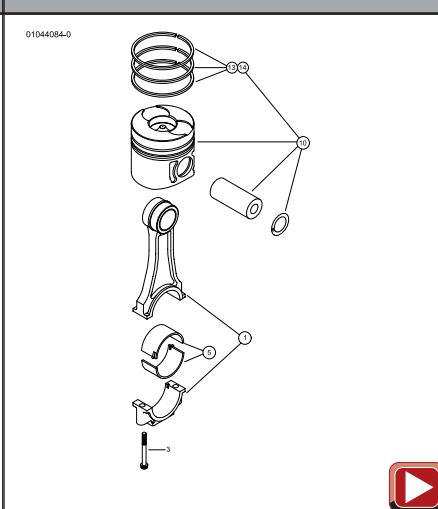
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CRANKSHAFT, BEARING, DAMPER



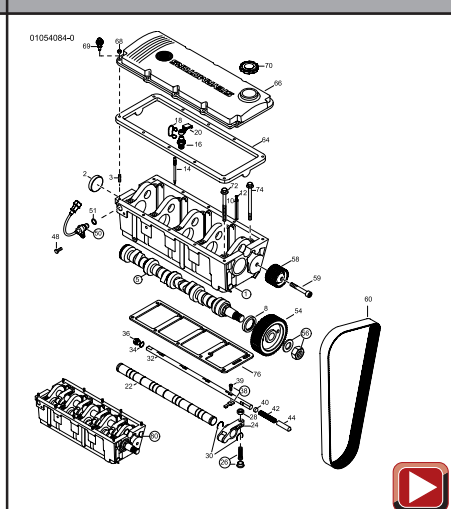
Page 18
FLYWHEEL, FLYWHEEL HOUSING



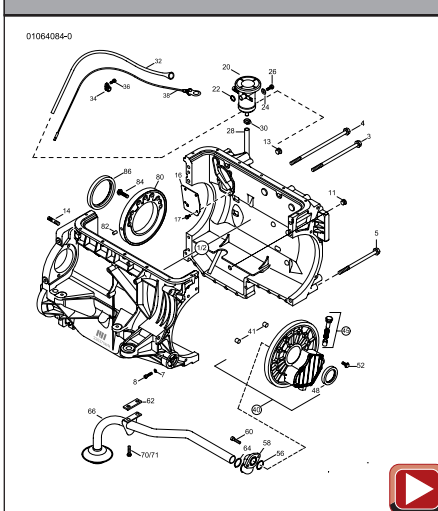
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PISTON, RINGS AND PIN, CONNECTION ROD



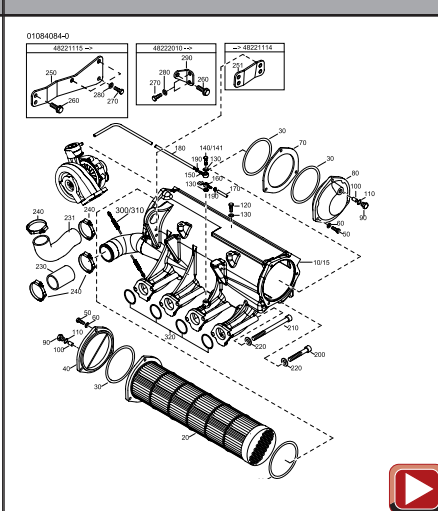
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CAMSHAFT, CAMSHAFT HOUSING



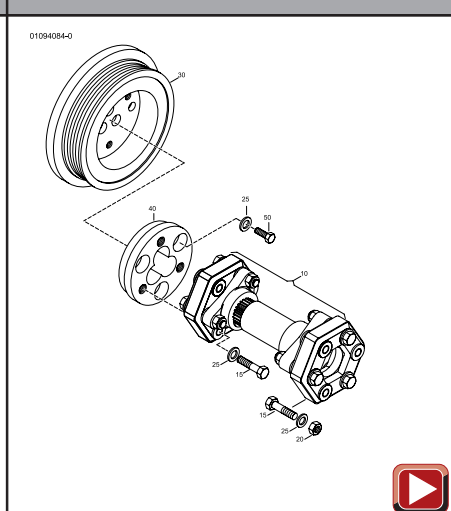
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OILPUMP, OILPIPE, OILPAN



Page 32
INTERCOOLER



Page 36
POWER TAKE OFF FRONT



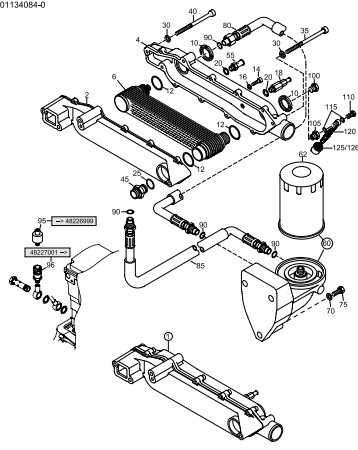
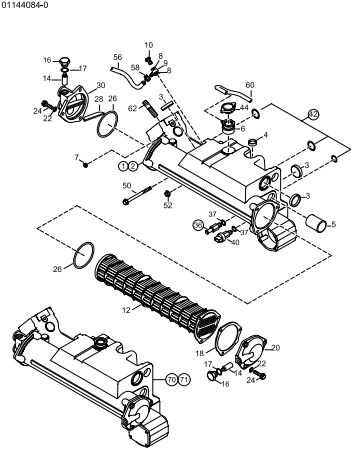
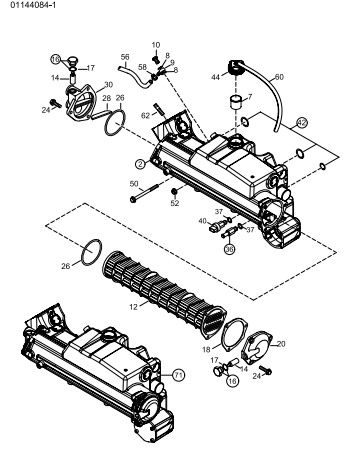
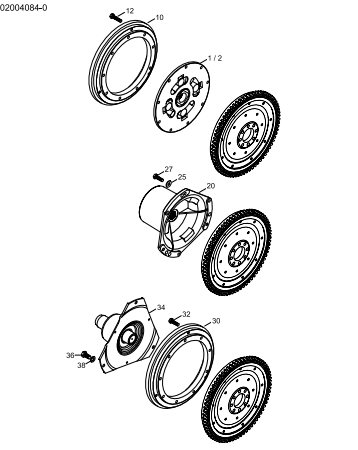
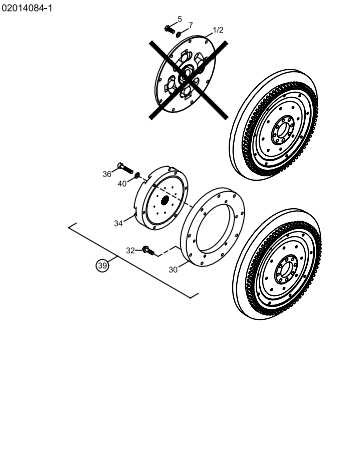
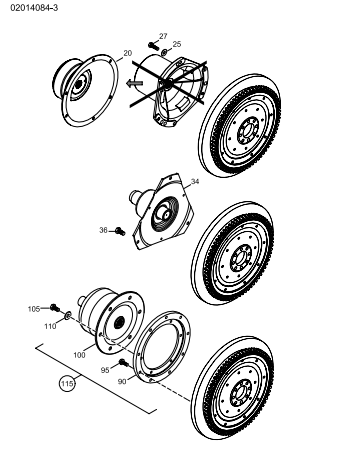
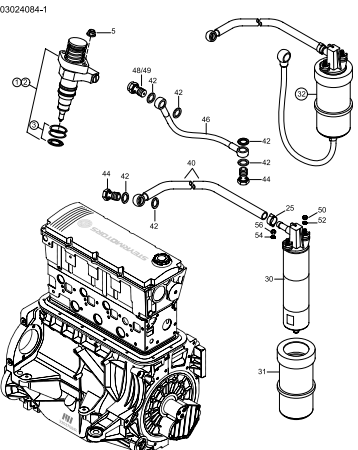
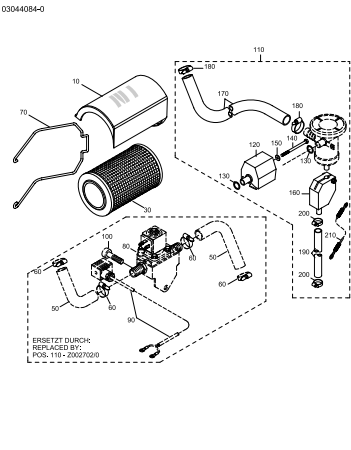
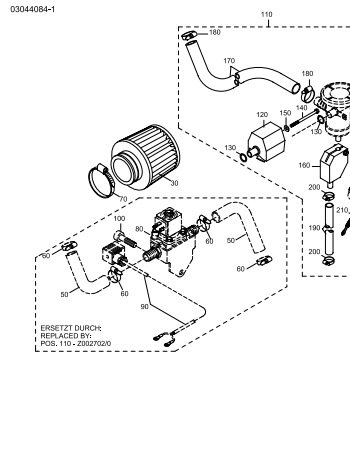
Page 38 OILCOOLER 	Page 42 EXHAUST -->482341169 	Page 46 EXHAUST 482341170--> 
Page 48 COUPLER SMALL FLYWHEEL 	Page 50 COUPLER 	Page 52 COUPLER 
Page 54 FUEL PUMP, UNIT INJECTOR, PIPE 	Page 56 AIRFILTER MO144V38 -->48219069 	Page 58 AIRFILTER MO144V38 48219070--> 



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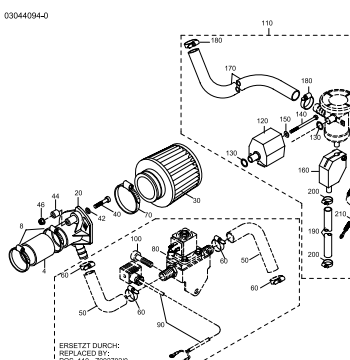
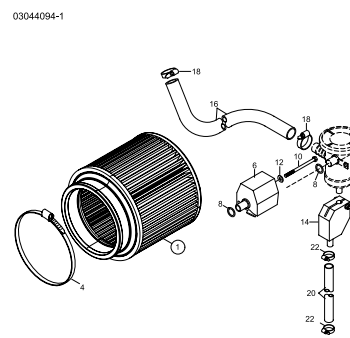
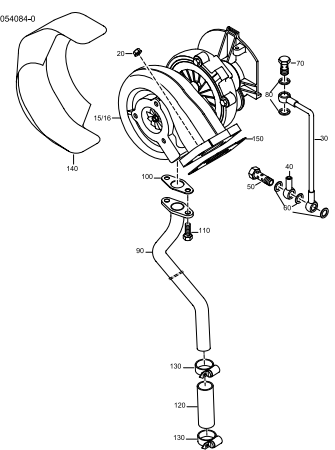
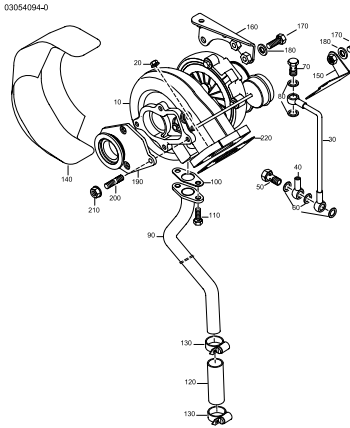
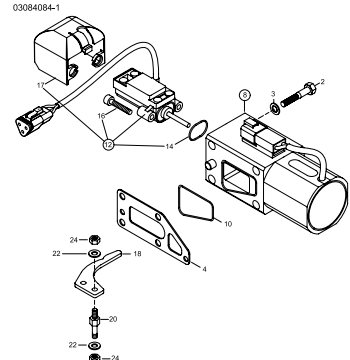
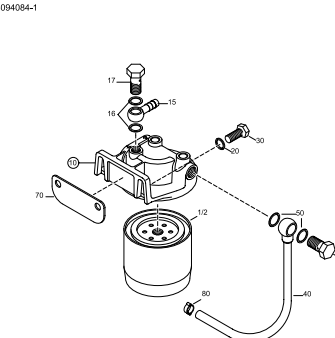
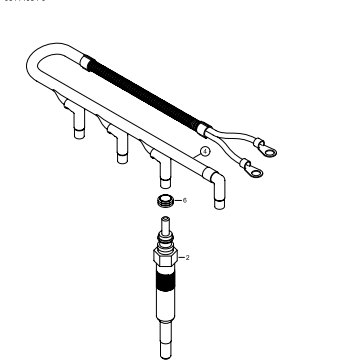
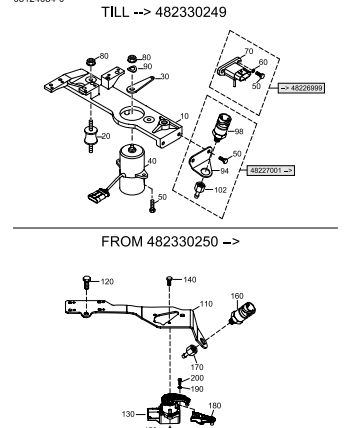
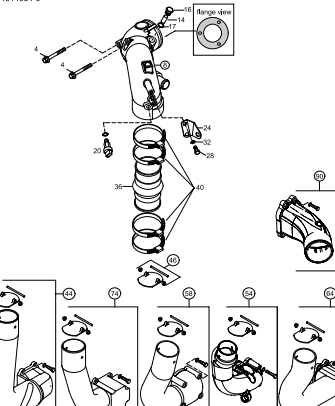
Page 60 AIRFILTER MO144M38 -->48228079  	Page 62 AIRFILTER MO144M38 -->48228080  	Page 64 TURBO MO144V38  
Page 66 TURBO MO144M38  	Page 68 CONTR. SOLENOID, POTENTIOMETER  	Page 70 FUEL FILTER  
Page 72 GLOW PLUG  	Page 74 POT. ACCELER., BOOST PRESSURE SENSOR TILL ---> 482330249  	Page 76 HIGH RISER, EXHAUST PIPE MO144V38  



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TURBO DIESEL
+ SOLAS

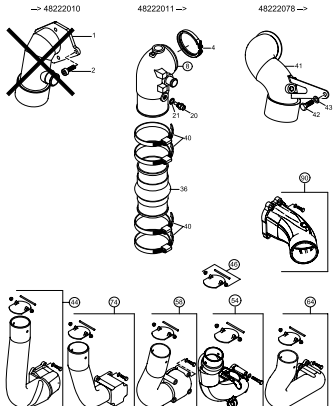
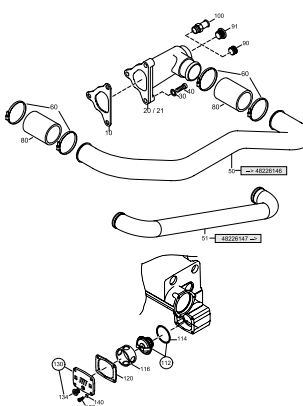
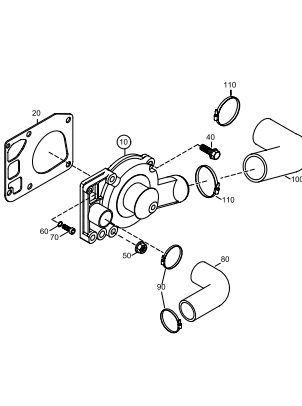
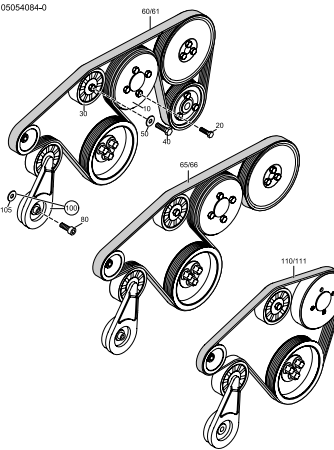
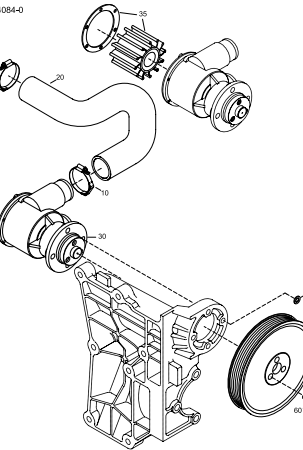
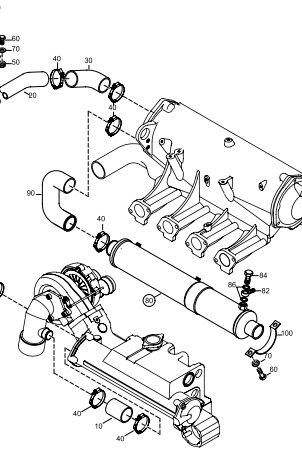
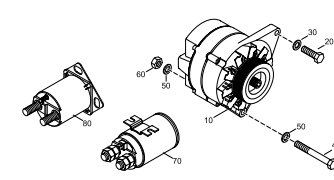
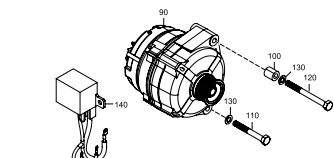
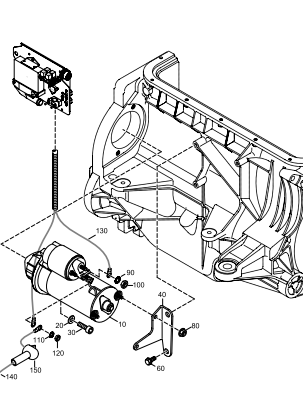
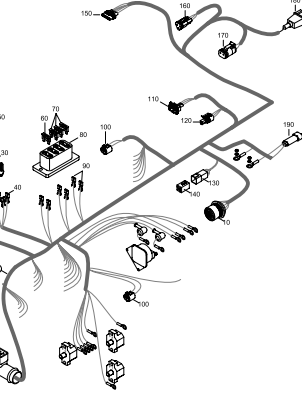
Page 78 HIGH RISER, EXHAUST PIPE MO144M38 04014094-0 → 48222010 48222011 → 48222078 →  	Page 80 WATER PIPE, THERMOSTAT 05034084-0  	Page 82 WATER PUMP 05044084-0  
Page 84 DRIVE BELTS, PULLEYS, TENSIONER 05054084-0  	Page 86 RAW WATER PUMP 05104084-0  	Page 88 RAW WATER PIPES, FUEL-OIL COOLER 05124084-0  
Page 90 ALTERNATOR 06014084-0 TILL → 482330249  FROM 482330250 →  	Page 92 STARTER 06034084-0  	Page 94 ENGINE HARNESS → 48221066 06054084-0  





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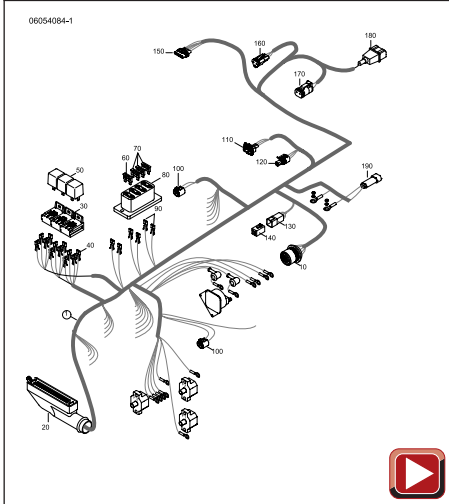
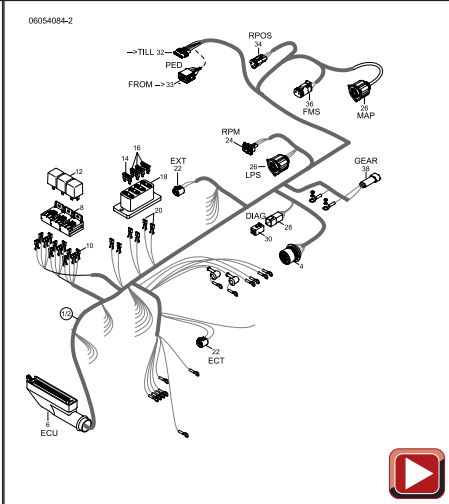
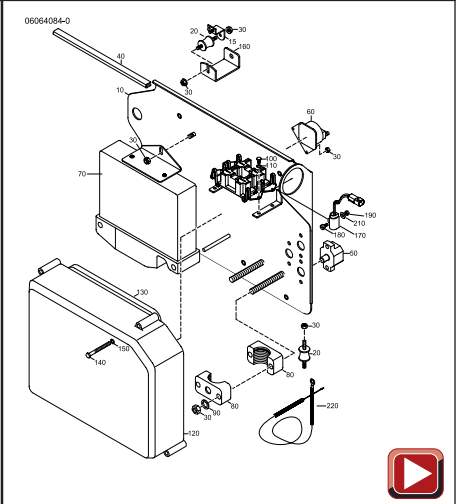
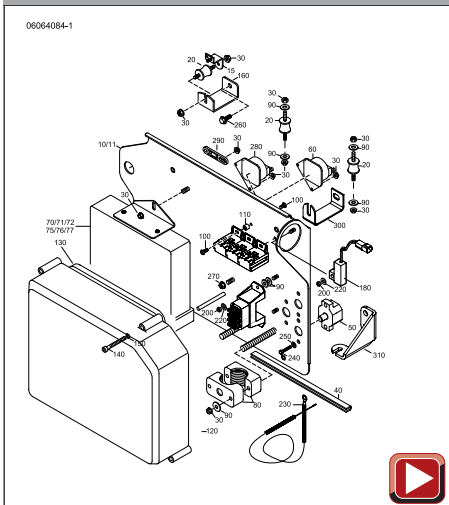
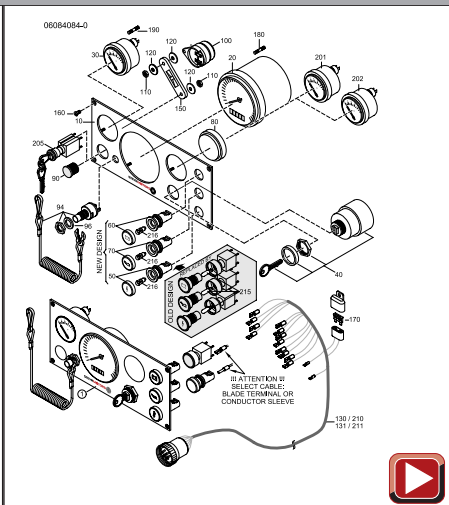
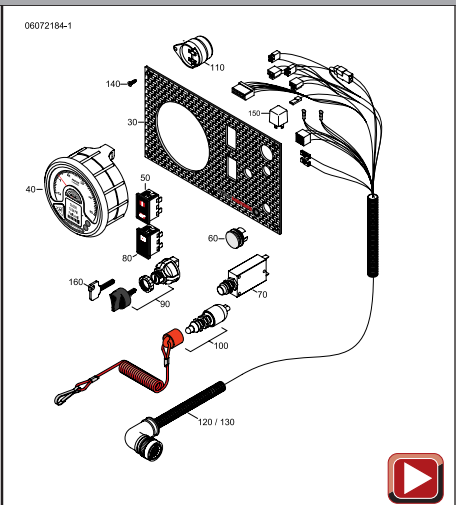
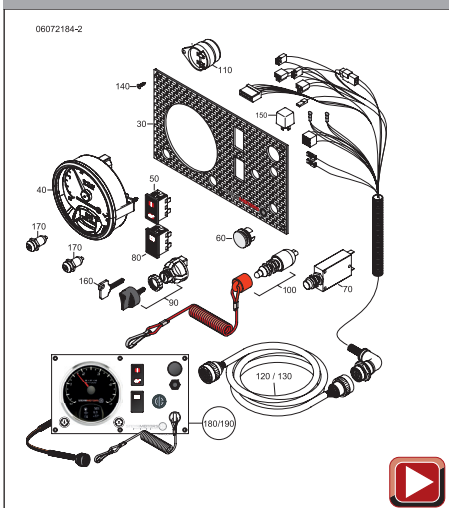
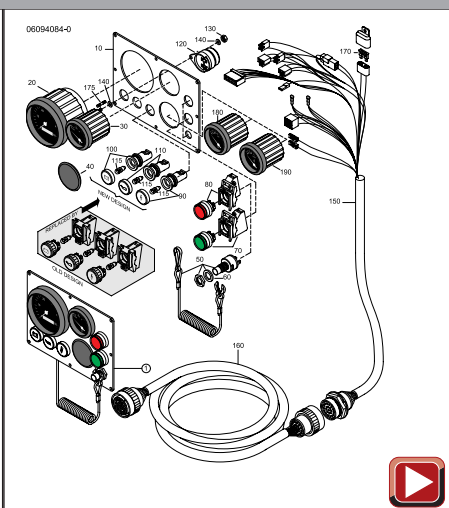
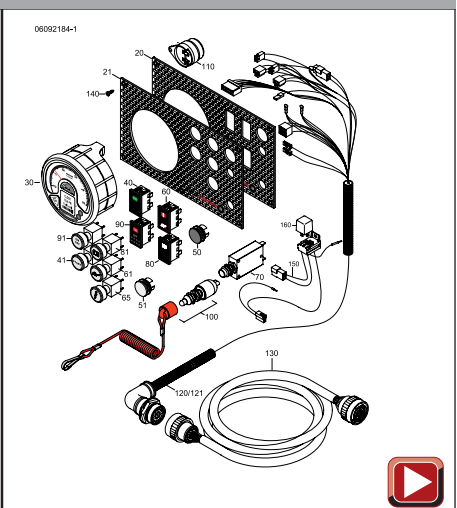
Page 96 ENGINE HARNESS 48221067 --> 48226999	Page 98 ENGINE HARNESS 48227001-->	Page 100 SECURETY SYSTEM, ECU, E-BOX -->48221066
		
Page 102 SECURETY SYSTEM, ECU, E-BOX 48221067-->	Page 106 INSTR. PANEL STANDARD TILL 2010	Page 108 INSTR. PANEL STANDARD 2010-2013/08
		
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TURBO DIESEL
+ SOLAS

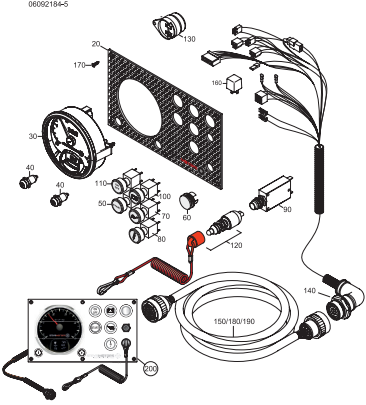
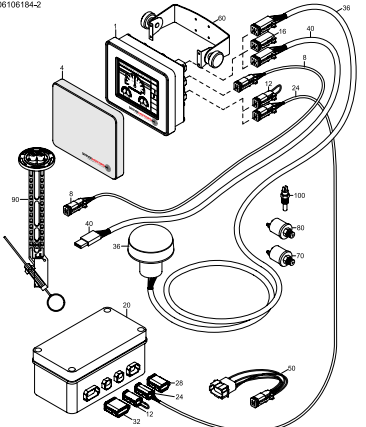
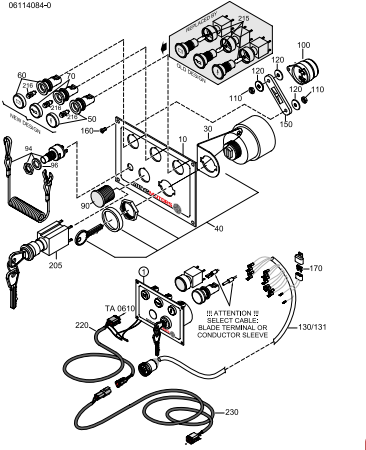
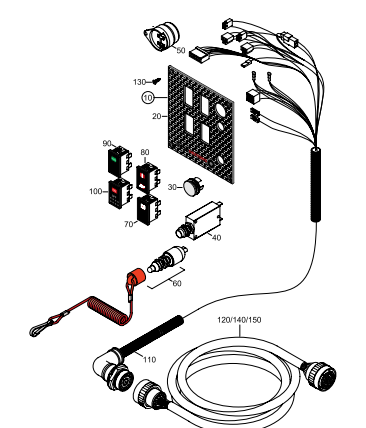
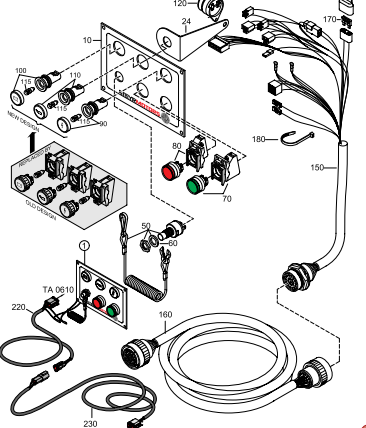
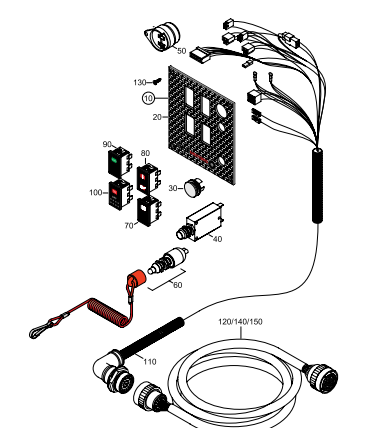
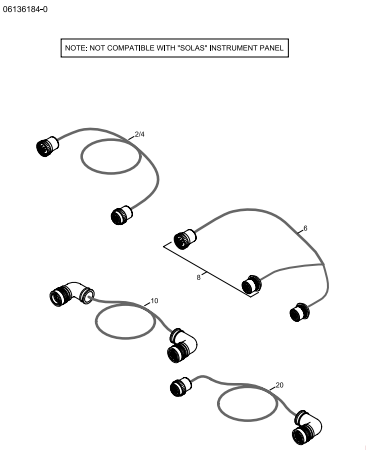
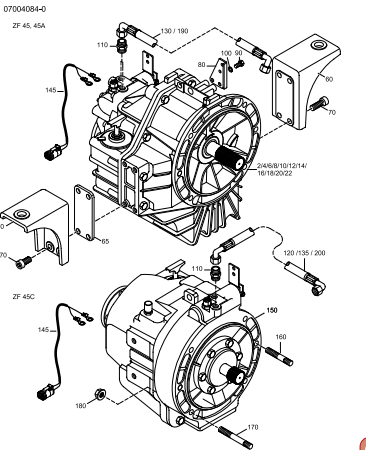
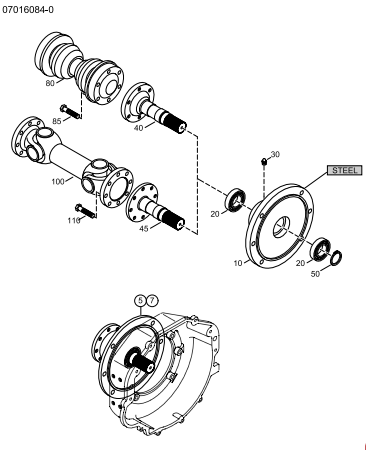
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Page 122 SWITCH PANEL FOR DISPLAY FROM 2010 	Page 124 PUSH BUTTON PANEL FOR DISPLAY TILL 2010 	Page 126 PUSH BUTTON PANEL FOR DISPLAY FROM 2010 
Page 128 EXTENSION CABLE INSTR. (ACCESSORY) NOTE: NOT COMPATIBLE WITH "SOLAS" INSTRUMENT PANEL 	Page 130 TRANSMISS., MOUNTING BRACKETS, PIPES 	Page 132 TRANSMISSION-SHAFT, PTO-SHAFT (STEEL) 

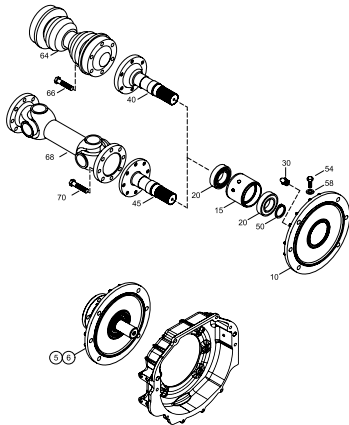


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TRANSMISSION-SHAFT, PTO-SHAFT (ALU)

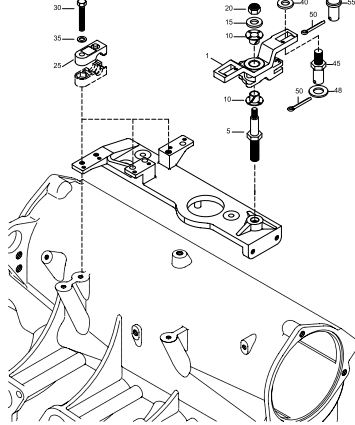
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TRANSMISSION GEAR SHIFT, CONTROLS

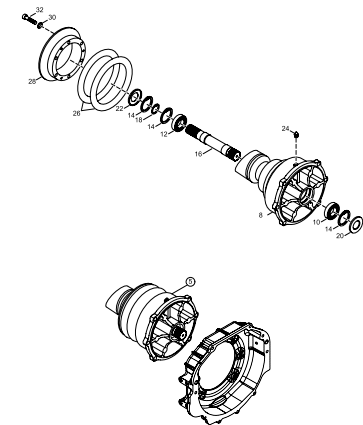
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DRIVE ADAPTER VOLVO STERNDRIVE

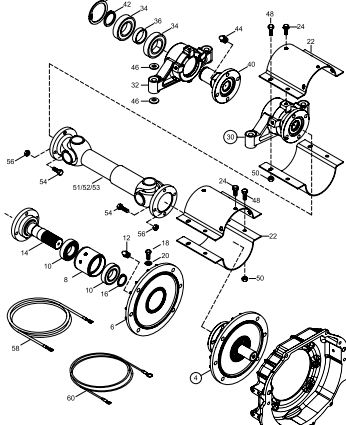
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DRIVE SHAFT EXT. MERCURY STERNDRIVE

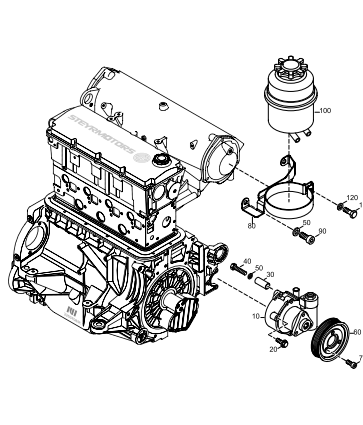
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HYDRAULIC PUMP

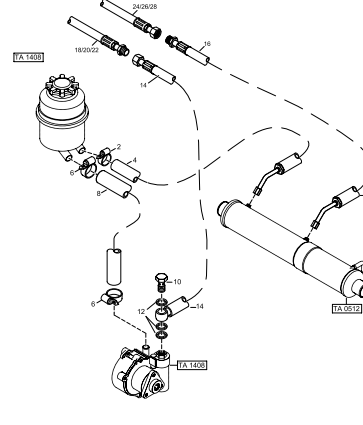
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HYDRAULIC PIPES

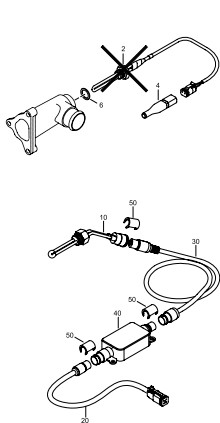
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ENGINE PREHEATING

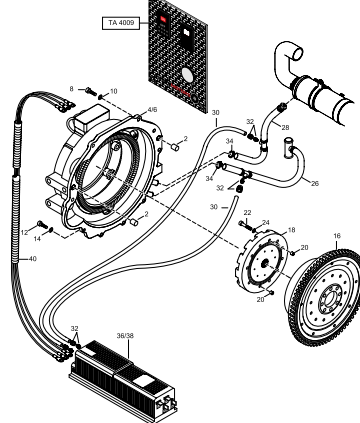
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INTEGR. FLYWHEEL GENERATOR (IFG)

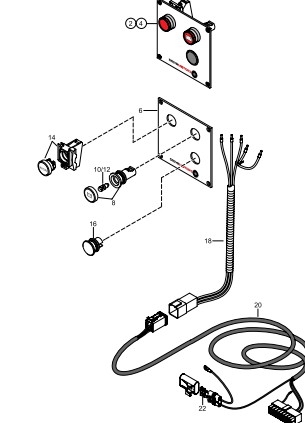
40004084-0



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PUSH BUTTON PANEL "IFG" TILL 2010

40096184-0



Page 152 PUSH BUTTON PANEL "IFG" FROM 2010 This diagram shows the components of the push button panel assembly. It includes two rectangular buttons (30, 40), a large square mesh plate (90) with four circular cutouts (10, 20), a small circular component (50), a cable (70) with a connector, and a terminal block (80) with red and black wires.	Page 154 HYBRID This diagram illustrates the hybrid engine assembly. It features a central engine unit (40) connected to a battery pack (150). Various sensors and actuators are shown, including a throttle body (160), a fuel pump (180), and a water pump (200). Two inset diagrams show different cylinder configurations: 'ONLY FOR 126 / 156' (6 Cyl) and '4 Cyl'. A red play button icon is located at the bottom right.	Page 156 OIL SUCTION PUMP This diagram shows the oil suction pump assembly. It includes a main pump housing (50) with a handle (60), a filter (80), and various mounting brackets and bolts (10, 20, 30, 40, 70, 90, 100). A red play button icon is located at the bottom right.
Page 158 HEATING UNIT, CIRCULATION PUMP This diagram depicts the heating unit and circulation pump assembly. It shows a main heating unit (10) with various ports and valves (20, 30, 40, 50, 60, 70, 80, 90, 100). A separate circulation pump (110) is also shown. A red play button icon is located at the bottom right.	Page 160 GENERAL OPERATING MATERIAL This page displays a grid of 20 different products used for general operation and maintenance. The products include various oils, lubricants, and cleaning agents, each labeled with a number from 1 to 20. A red play button icon is located at the bottom right.	

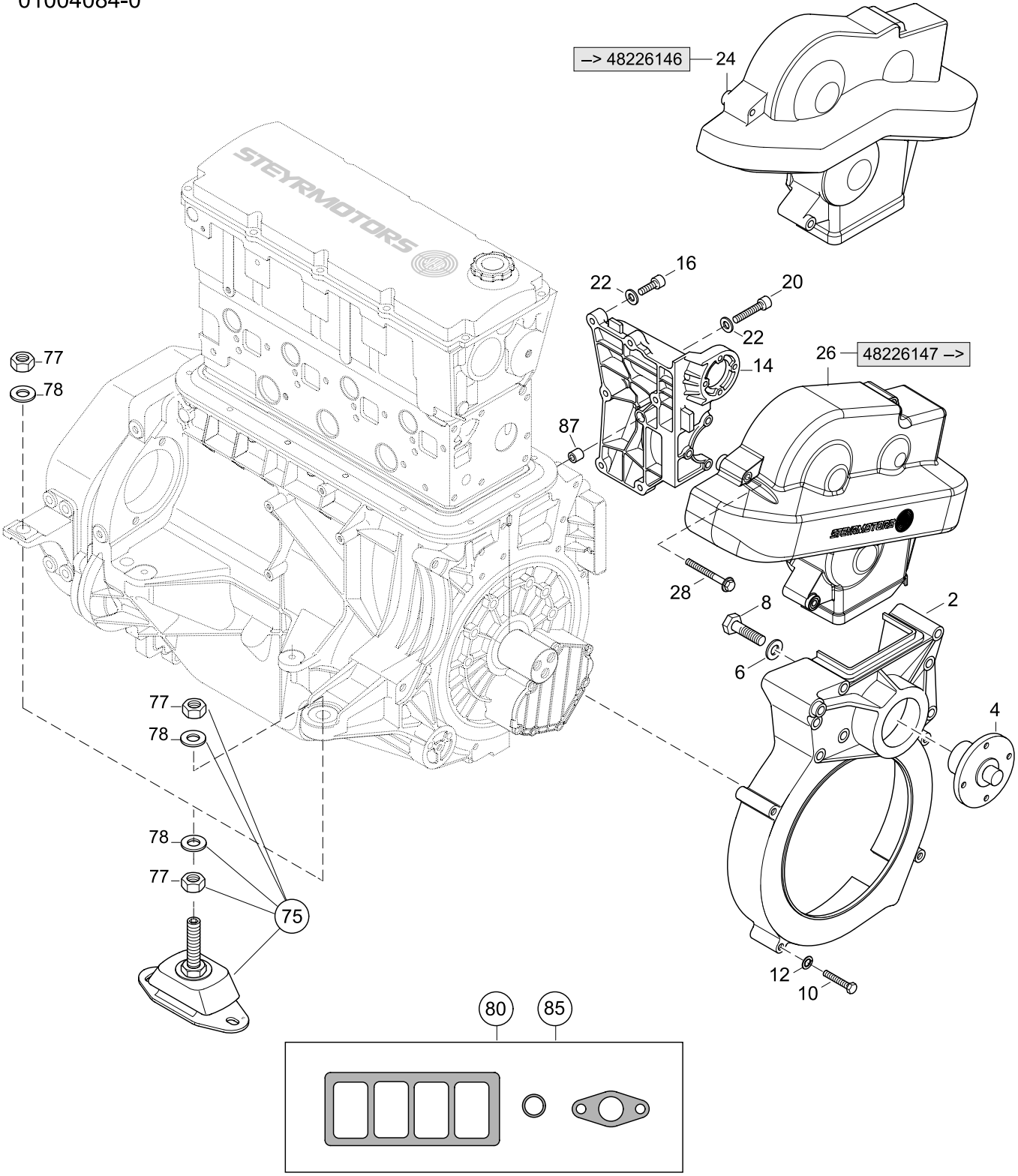


TA 0100

144 MARINE
TURBO DIESEL
+ SOLAS

MOUNT BRACKET, LIFTING EYE, GASKET SET

01004084-0



MOUNT BRACKET, LIFTING EYE, GASKET SET

144 MARINE
TURBO DIESEL
+ SOLAS

01004048-0

[illegible]

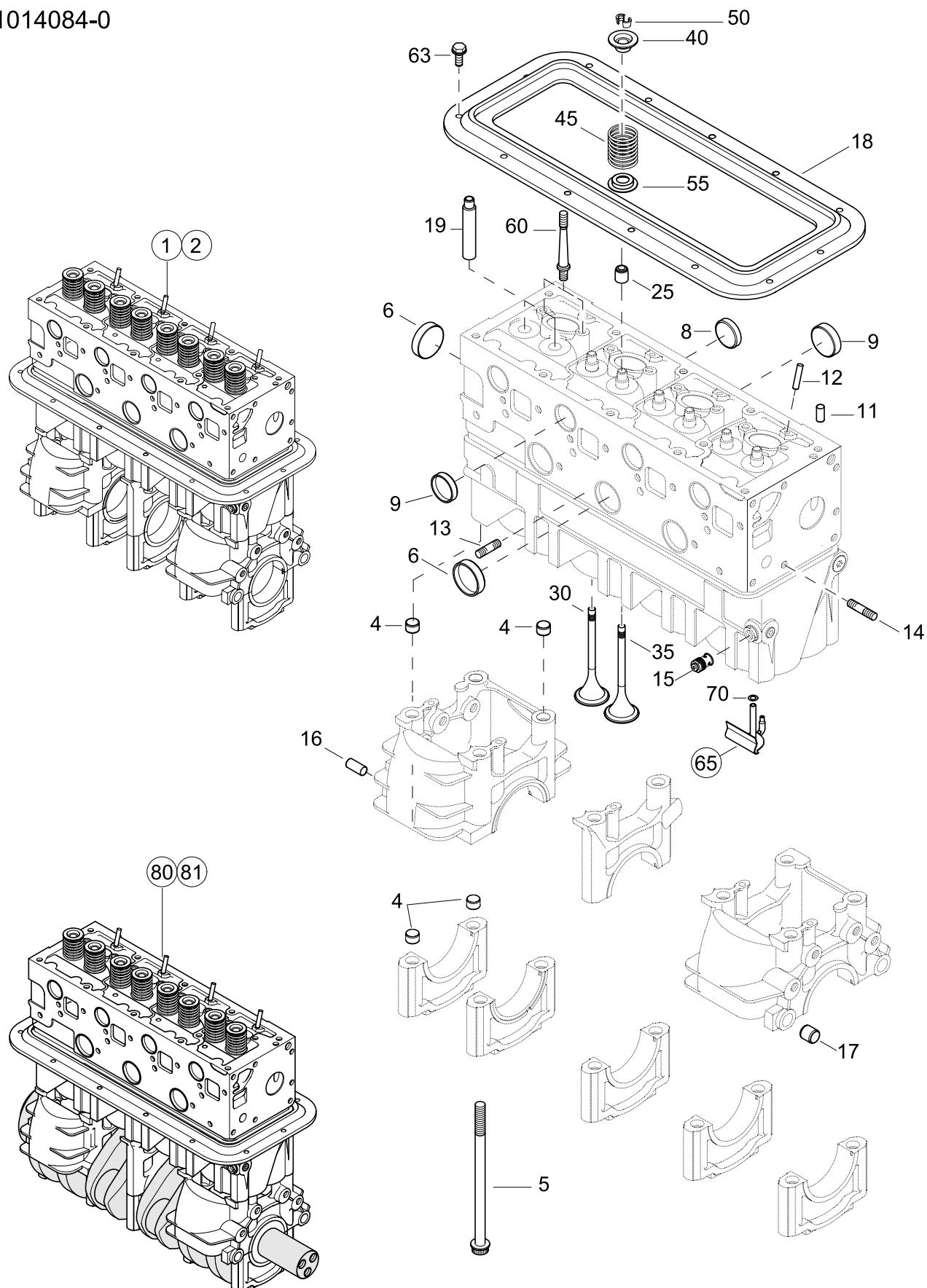


TA 0101

144 MARINE
TURBO DIESEL
+ SOLAS

CRANKCASE

01014084-0



CRANKCASE

144 MARINE
TURBO DIESEL
+ SOLAS

01014084-0

Pos.	Part.-No.	Qty	Designation	Step
1	MZ40084-0	1	CYL. BLOCK ASSY. MARINE (INCL. VALVES) -->48227163	.1
2	MZ40084-1	1	CYL. BLOCK ASSY. MARINE (INCL. VALVES) 48227164-->	.1
4	2172799-0	16	FITTING SLEEVE	..2
5	2174329-0	10	BOLT, MAIN BEARING	..2
6	2170309-0	4	CORE HOLE PLUG 40-8	..2
8	2172676-0	2	CORE HOLE PLUG 35-8	..2
9	2172170-0	3	CORE HOLE PLUG 28-7	..2
11	3901416-0	2	PARALLEL PIN ISO 2338-8m6x16-ST	..2
12	3901328-0	4	PARALLEL PIN ISO 2338-6m6x30-ST	..2
13	9000327-0	2	STUD DIN 939-M6x20-8.8-FLZNNC-720H-L	..2
14	3812435-0	1	STUD DIN 938-M8x35-8.8-FLZNNC-720H-L	..2
15	2178525-1	1	COOLING OIL VALVE ASSY.	..2
16	3901509-0	2	PARALLEL PIN ISO 2338-10m6x20-ST	..2
17	2170298-0	2	FITTING SLEEVE	..2
18	2040217-0	1	FRAME SEAL	..2
19	2172133-N	8	VALVE GUIDE	..2
25	2172096-1	8	VALVE STEM SEAL	..2
30	2177577-1	4	EXHAUST VALVE	..2
35	2177576-6	4	INTAKE VALVE	..2
40	2177349-0	8	VALVE-SPRING RETAINER	..2
45	2172362-0	8	VALVE SPRING	..2
50	2170171-0	16	VALVE COLLET	..2
55	2177415-0	8	SPRING SUPPORT	..2
60	2174321-1	8	STUD	.1
63	9000287-0	13	BOLT EN1665-M6x12-8.8-FLZNNC-720H-L	.1
65	2178478-0	4	SPRAY NOZZLE ASSY.	.1
70	2173533-0	4	O-RING 5,23x2,62	..2
80	MT40084-0	1	PART. ENG. (BLOCK, PISTON, CRSH, VALVES) -->48227163	.1
81	MT40084-1	1	PART. ENG. (BLOCK, PISTON, CRSH, VALVES) 48227164-->	.1



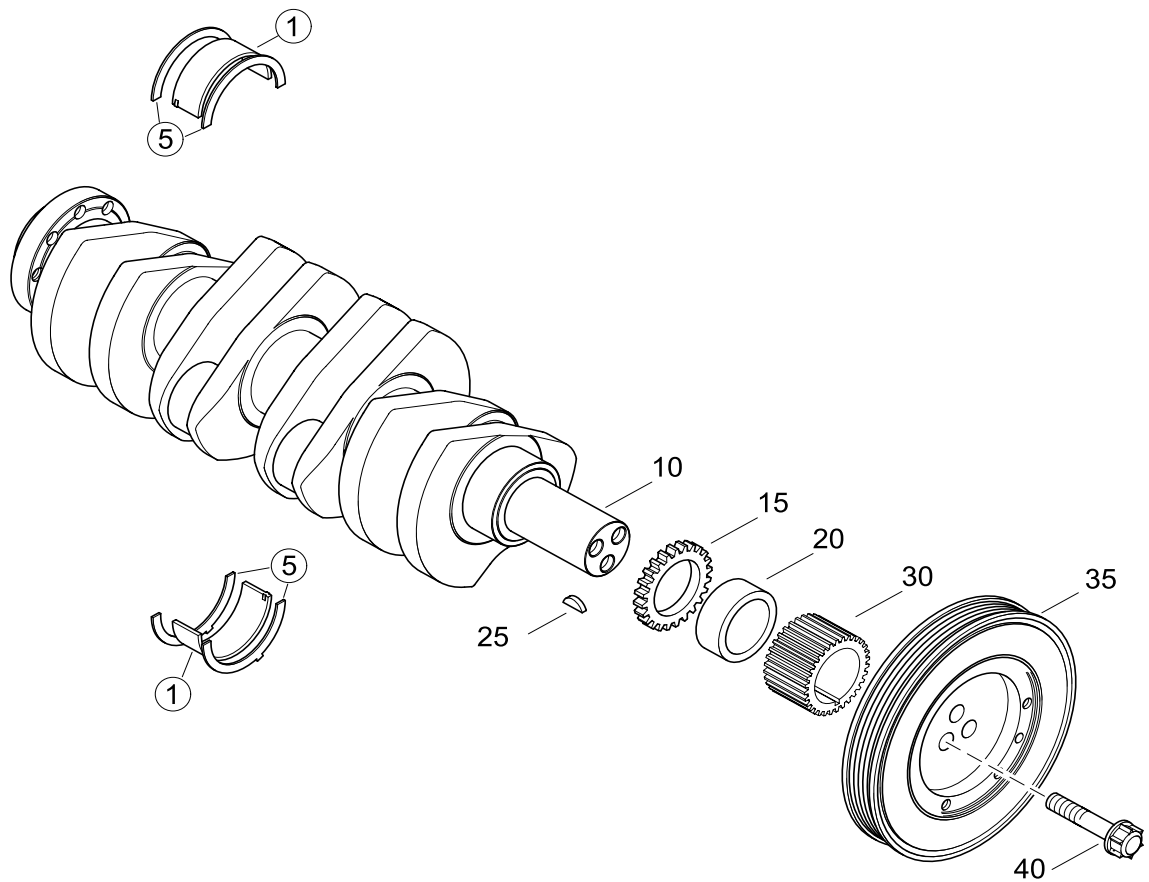


TA 0102

144 MARINE
TURBO DIESEL
+ SOLAS

CRANKSHAFT, BEARING, DAMPER

01024084-0



CRANKSHAFT, BEARING, DAMPER

144 MARINE
TURBO DIESEL
+ SOLAS

01024084-0

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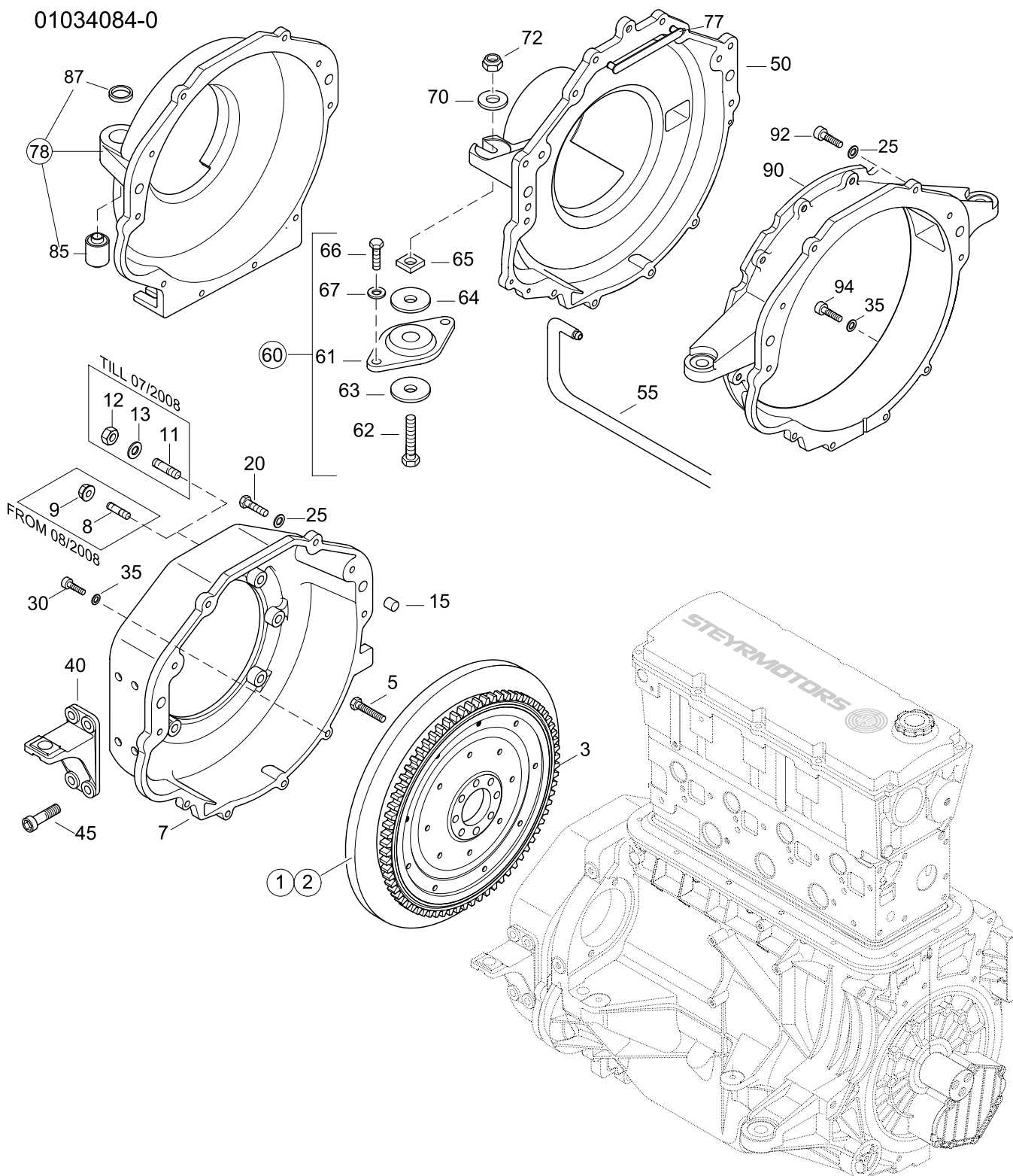


TA 0103

144 MARINE
TURBO DIESEL
+ SOLAS

FLYWHEEL, FLYWHEEL HOUSING

01034084-0



FLYWHEEL, FLYWHEEL HOUSING

144 MARINE
TURBO DIESEL
+ SOLAS

01034084-0

Pos.	Part.-No.	Qty	Designation	Step
1	2203739-1	1	FLYWHEEL ASSY. - DM56 -->48225999	.1
2	2203739-2	1	FLYWHEEL ASSY. - DM40 48226001-->	.1
3	2205031-0	1	STARTER RING GEAR, FLYWHEEL	..2
5	2174592-0	8	HEX.HD.SCR. ISO 4017-M10x30-12.9	.1
7	Z002165-0	1	SPARE FLYWHEEL HSG, B/W FLANGE (RAL9006)	.1
8	9000371-0	6	STUD DIN 835-M10x25-8.8-FLZNNC-720H-L	.1
9	9000042-1	6	HEX. NUT DIN 6923-M10-8-FLZNNC-720H-L	.1
11	9000082-0	6	STUD DIN 835-M12x25-8.8-FLZNNC-720H-L	.1
12	3871319-0	6	HEX.NUT ISO 4032-M12-8-FLZNNC-720H-L	.1
13	3930282-0	6	WASHER ISO 7089-12-140HV-FLZNNC-480H	.1
15	3900184-0	2	SPRING PIN, SLIGHT TYPE ISO 13337-16x22	.1
20	3862545-0	5	HEX.SOCK. SCR. ISO 4762-M10x35-A2-70	.1
25	3930075-0	5	WASHER ISO 7089-10-A4-200HV	.1
30	3862433-0	4	HEX.SOCK. SCR. ISO 4762-M8x30-A4-70	.1
35	3930103-0	4	WASHER ISO 7089-8-A4-200HV	.1
40	2178722-1	2	BRACKET FLYWHEEL HOUSING	.1
45	9000081-0	8	HEX.SCR.ISO4762-M12x35-8.8-FLZNNC-720H-L	.1
50	O915157-9	1	FLYWHEELHOUSING OMC/VOLVO SX (RAL9006)	.1
55	O913787-0	1	HOSE-FLYWHEEL HOUSING	.1
60	O986712-0	1	SMALL PARTS REAR MOUNTS	.1
61	O983932-0	2	REAR MOUNT ASSY	..2
62	O318573-0	2	BOLT, REAR MOUNT	..2
63	O911780-0	2	WASHER-REAR MOUNT-LOWER	..2
64	O912889-0	2	WASHER REAR MOUNT	..2
65	O911776-0	2	SQUARE NUT-REAR MOUNT	..2
66	O309484-0	4	HEX. SCREW 3/8-16UNCx1-1/4"	..2
67	O319453-0	4	WASHER	..2
70	O911778-0	2	WASHER, REAR MOUNT	.1
72	O313623-0	2	LOCK NUT, REAR MOUNT	.1
77	2178504-0	2	COVER	.1
78	2178833-M	1	HOUSING FLYWHEEL MERCURY ASSY. (RAL9006)	.1



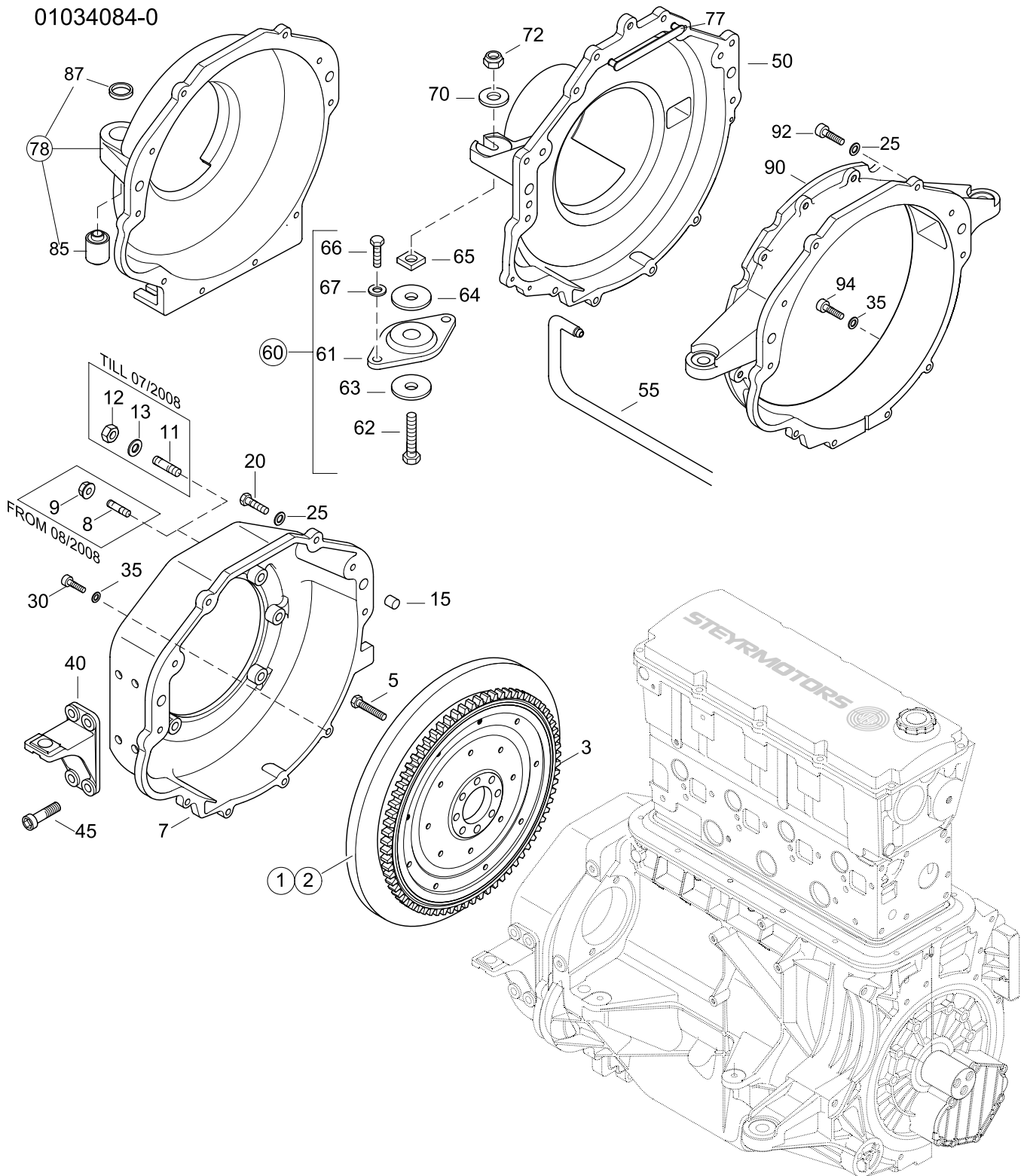


TA 0103

144 MARINE
TURBO DIESEL
+ SOLAS

FLYWHEEL, FLYWHEEL HOUSING

01034084-0



FLYWHEEL, FLYWHEEL HOUSING

144 MARINE
TURBO DIESEL
+ SOLAS

01034084-0

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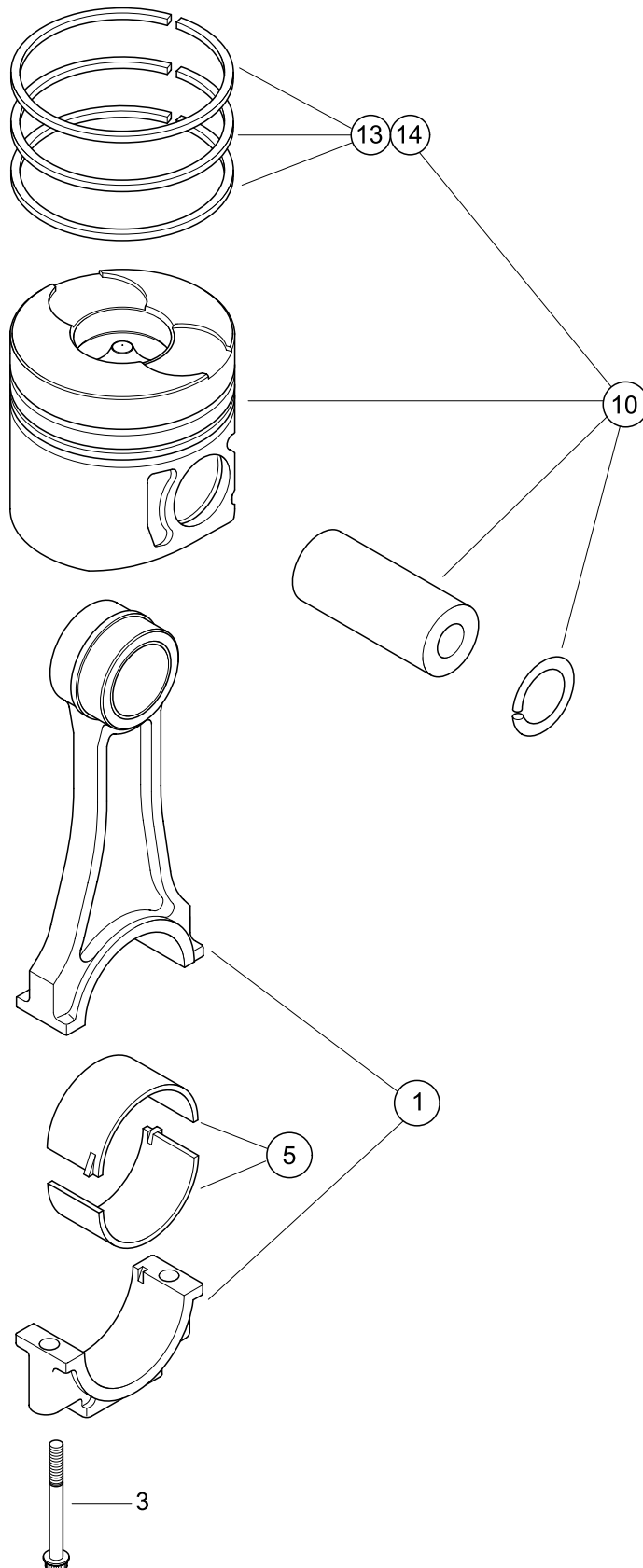


TA 0104

144 MARINE
TURBO DIESEL
+ SOLAS

PISTON, RINGS AND PIN, CONNECTION ROD

01044084-0



PISTON, RINGS AND PIN, CONNECTION ROD

144 MARINE
TURBO DIESEL
+ SOLAS

01044084-0

[illegible]



144 MARINE
TURBO DIESEL
+ SOLAS

4084-0

Exploded view diagram of a 4084-0 engine assembly. The diagram shows the following components and their assembly sequence:

- Top Cover (66):** The uppermost component, featuring the "STERNA MOTORS" logo. It is secured by a cap screw (69) and a cap screw (68).
- Valve Cover (64):** The middle cover, secured by a cap screw (18) and a cap screw (20). It also features a cap screw (16) and a cap screw (14).
- Engine Block (1):** The main body of the engine, featuring a cooling fan (2) and a cap screw (3). It is secured by a cap screw (51) and a cap screw (50).
- Timing Belt (5):** The belt that drives the camshaft and the water pump.
- Timing Belt Tensioner (58):** The component that maintains the tension on the timing belt.
- Timing Belt Guide (59):** The guide that ensures the timing belt runs smoothly.
- Timing Belt Pulley (8):** The pulley that drives the timing belt.
- Timing Belt Pulley (54):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (56):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (55):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (57):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (53):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (52):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (51):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (50):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (49):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (48):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (47):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (46):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (45):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (44):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (43):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (42):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (41):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (40):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (39):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (38):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (37):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (36):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (35):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (34):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (33):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (32):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (31):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (30):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (29):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (28):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (27):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (26):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (25):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (24):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (23):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (22):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (21):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (20):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (19):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (18):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (17):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (16):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (15):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (14):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (13):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (12):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (11):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (10):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (9):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (8):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (7):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (6):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (5):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (4):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (3):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (2):** The pulley that is driven by the timing belt.
- Timing Belt Pulley (1):** The pulley that is driven by the timing belt.

CAMSHAFT, CAMSHAFT HOUSING

144 MARINE
TURBO DIESEL
+ SOLAS

01054084-0

Pos.	Part.-No.	Qty	Designation	Step
1	Z002407-0	1	CAMSHAFT HOUSING ASSY. (RAL9006)	.1
2	2178083-0	1	CORE HOLE PLUG 50-7	.2
3	2309101-0	10	STUD DIN 835-M6x25-A2-70 -->482300551	.2
5	2203267-6	1	CAMSHAFT ASSY.	.1
8	2172086-1	1	ROTARY SHAFT SEAL	.1
10	2178486-1	1	AXLE SUPPORT	.1
12	2178498-0	1	QUAD RING 1,78x5,28	.1
14	2177513-2	1	GUIDE PIN CONTROL RACK	.1
16	2174546-2	8	VALVE TAPPET ADJ. SCREW ASSY.	.1
18	2174552-0	8	RETAINING SPRING	.1
20	2177139-1	8	CAM FOLLOWER ASSY.	.1
22	2173694-1	1	ROCKER ARM SHAFT ASSY.	.1
24	Z002094-0	4	ROCKER ARM ASSY. (SPARE PART)	.1
26	Z002010-0	4	TAPPET ADJUSTER ASSY.	.1
28	3871310-0	4	HEX.NUT DIN 934-M10x1-10-G	.1
30	2174036-0	8	CRESCENT RING 28x1,5	.1
32	2203289-0	1	CONTROL ROD	.1
34	3098031-0	1	SEALING RING DIN 7603-A26x31x1,5-CU	.1
36	3962043-0	1	PLUG DIN7604-C-M26x1,5-ST-FLZNNC-720H-L	.1
38	Z002009-0	4	CONTROL LINK & BOLT	.1
39	3860140-0	1	HEX.SOCK. SCR. ISO 4762-M5x20-LH-10.9-BR	.2
40	2203337-0	1	SPACER	.1
42	2203338-0	1	SPRING, CONTROL ROD	.1
44	2203460-0	1	BOLT	.1
48	3800238-0	1	HEX.HD.SCR. ISO 4017-M6x12-A4-70	.1
50	2176734-2	1	REVOLUTION SENSOR	.1
51	2176729-0	1	O-RING 17,17 x 1,78	.2
54	2177642-0	1	TIMING BELT PULLEY CAMSHAFT	.1
56	Z002011-0	1	NUT & WASHER, CAMSHAFT PULLEY	.1
58	2178548-5	1	IDLER PULLEY ASSY.	.1
59	3860155-0	1	SCR. ISO 4762-M10x70-10.9-FLZNNC-720H-L	.1





144 MARINE
TURBO DIESEL
+ SOLAS

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CAMSHAFT, CAMSHAFT HOUSING

144 MARINE
TURBO DIESEL
+ SOLAS

01054084-0

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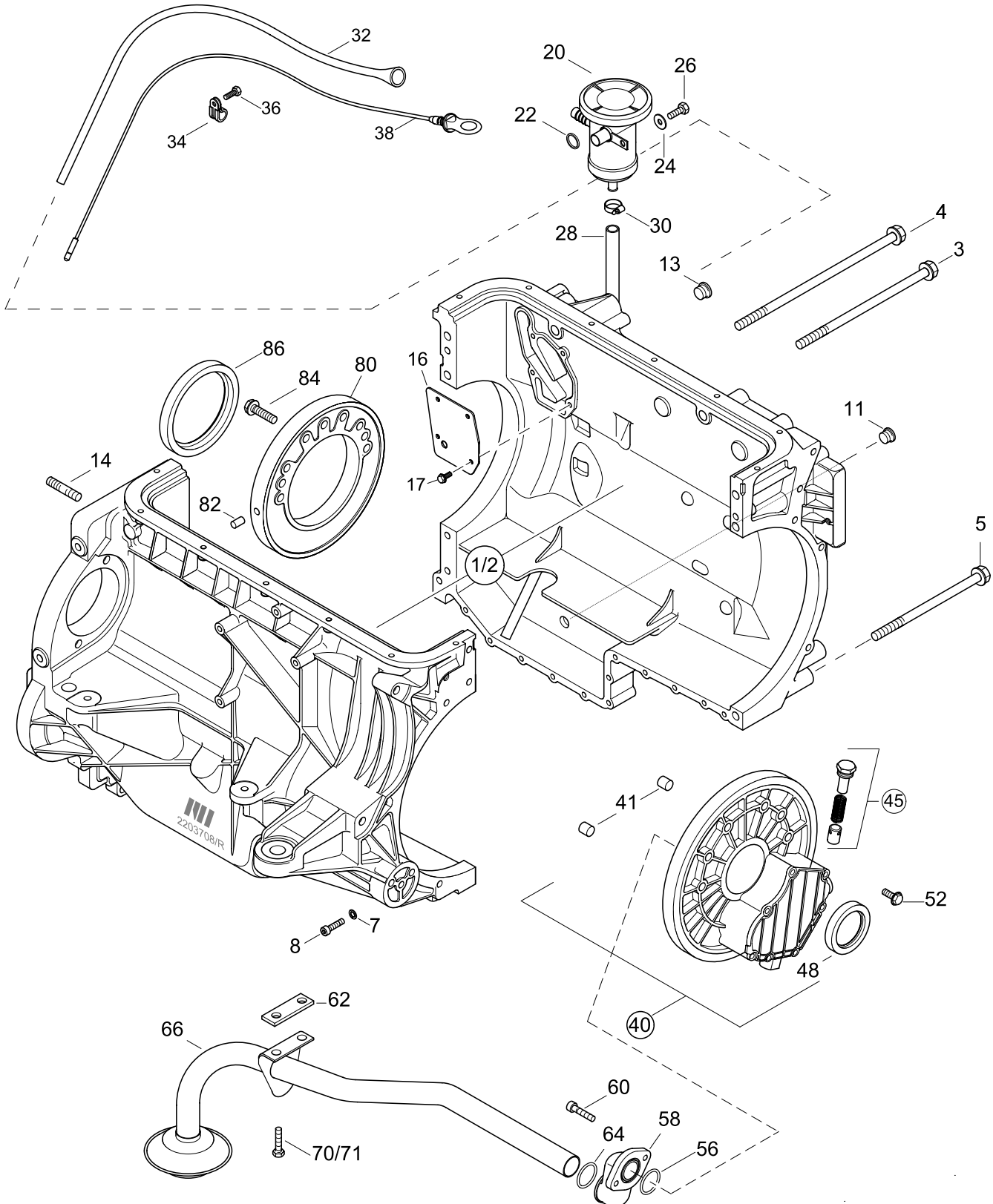


TA 0106

144 MARINE
TURBO DIESEL
+ SOLAS

OILPUMP, OILPIPE, OILPAN

01064084-0



OILPUMP, OILPIPE, OILPAN

144 MARINE
TURBO DIESEL
+ SOLAS

01064084-0

Pos.	Part.-No.	Qty	Designation	Step
1	Z002424-0	1	ENGINE HSG ASSY. -->482330249	.1
2	Z024014-0	1	ENGINE HSG ASSY. 482330250-->	.1
3	9000464-0	2	HEX.BOLT EN1665-M10x200-8.8-FLZNNC-720-L	.2
4	9000463-0	2	BOLT EN1665-M10x250-8.8-FLZNNC-720H-L	.2
5	9000392-0	3	BOLT EN1665-M10x160-8.8-FLZNNC-720H-L	.2
7	3932008-0	11	SP. WASHER DIN 137-B6-FST-FLZNNC-480H	.2
8	3862352-0	11	SCR. ISO 4762-M6x50-8.8-FLZNNC-720H-L	.2
11	9000588-0	1	SCR.PLUG WITH RUBBER SEAL M16x1,5	.2
13	9000590-0	1	SCR.PLUG WITH RUBBER SEAL M22x1,5	.2
14	9000000-0	1	STUD DIN 939-M8x25-A2-70	.2
16	2203738-0	1	COVER PRE OIL SEPARATOR	.2
17	9000287-0	4	BOLT EN1665-M6x12-8.8-FLZNNC-720H-L	.2
20	Z002051-0	1	OIL SEPARATOR	.1
22	2178310-1	1	O-RING 17x3,53	.1
24	9000012-0	1	WASHER ISO 7093-6.4-140HV-A2	.1
26	3800221-0	1	HEX.HD.SCR. ISO 4017-M6x20-A2-70	.1
28	2178287-0	1	HOSE, OIL DRAIN	.1
30	2174405-0	2	HOSE CLAMP 10-16/7,5	.1
32	2203757-0	1	PIPE OIL-DIPSTICK	.1
34	2178566-0	1	PIPE CLAMP RSGU1.15/15-W5	.1
36	3800233-0	1	HEX.HD.SCR. ISO 4017-M6x16-A4-70	.1
38	2203751-0	1	OIL DIP STICK ASSY	.1
40	Z002429-0	1	OIL PUMP ASSY. (RAL9006)	.1
41	2170298-0	2	FITTING SLEEVE	.2
45	Z002005-6	1	RELIEF VALVE, OIL PUMP 4 CYL.	.2
48	2170276-1	1	ROTARY SHAFT SEAL	.2
52	9000278-0	6	BOLT EN1665-M8x35-8.8-FLZNNC-720H-L	.1
56	2040153-0	1	O-RING 25.12x1.78	.1
58	2040004-Z	1	OIL SUCTION MANIFOLD	.1
60	3862320-0	2	SCR. ISO 4762-M6x20-8.8-FLZNNC-720H-L	.1
62	2203513-1	1	SPACER, PIPE OIL SUCTION -->48223068	.1



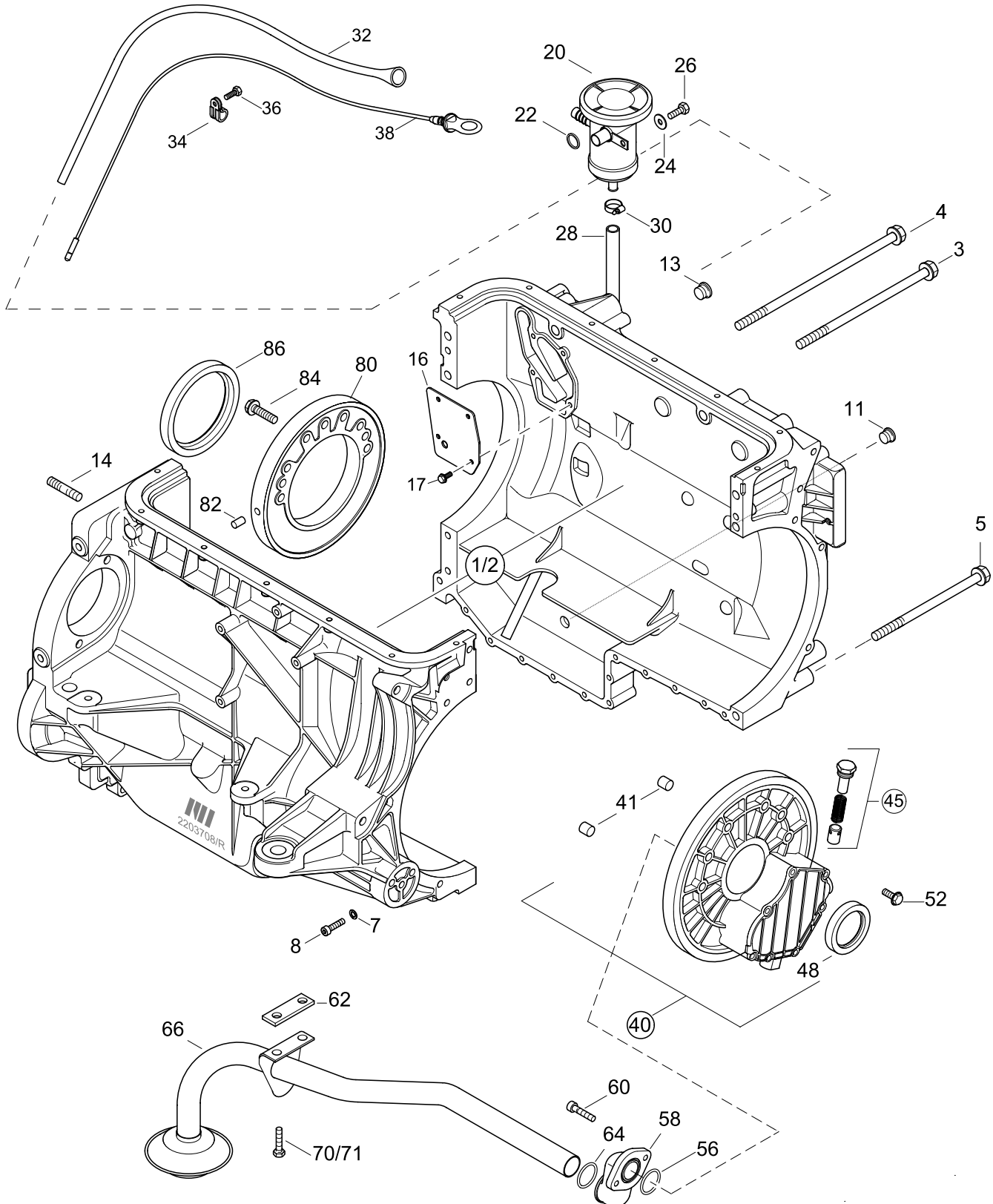


TA 0106

144 MARINE
TURBO DIESEL
+ SOLAS

OILPUMP, OILPIPE, OILPAN

01064084-0



OILPUMP, OILPIPE, OILPAN

144 MARINE
TURBO DIESEL
+ SOLAS

01064084-0

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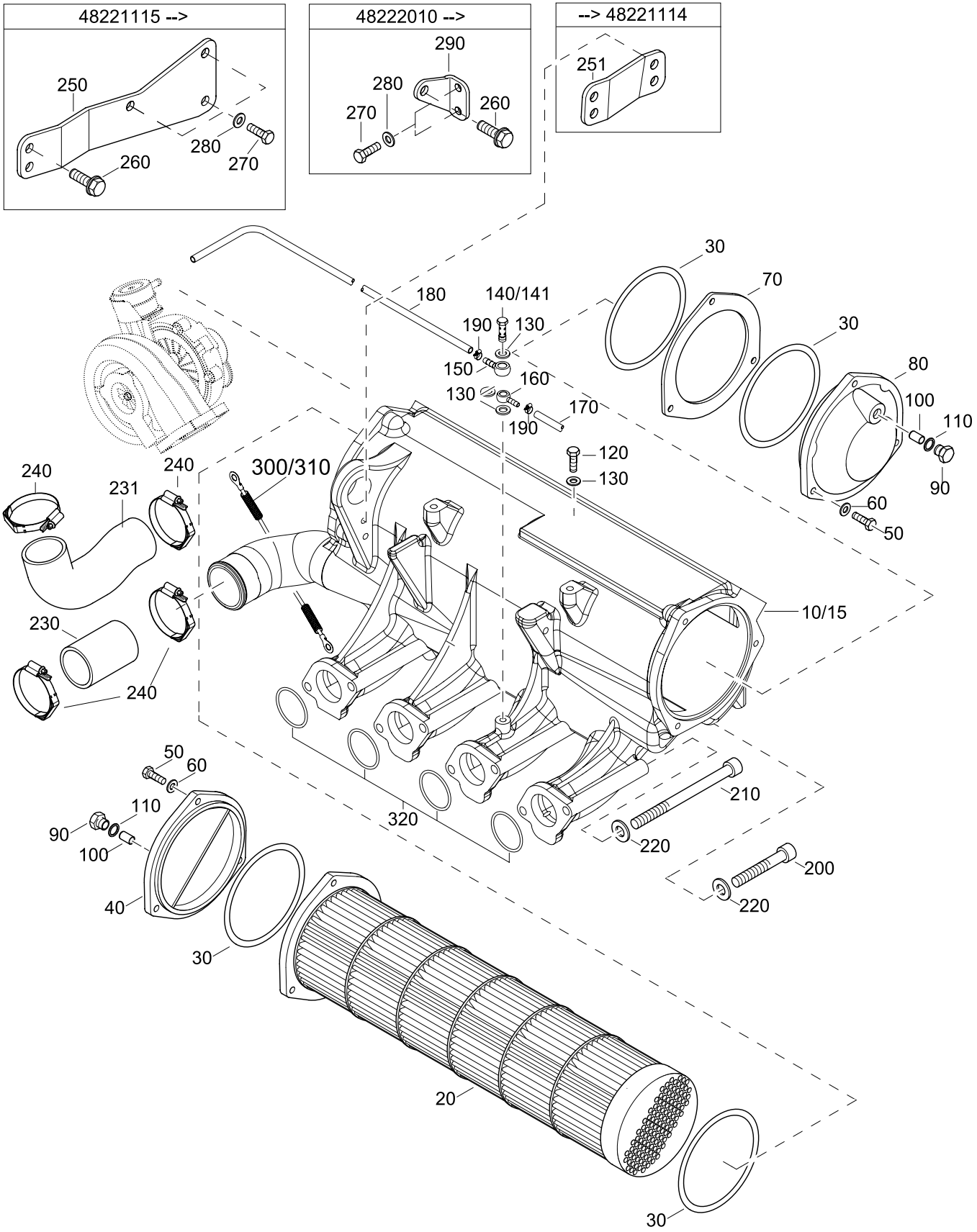


TA 0108

144 MARINE
TURBO DIESEL
+ SOLAS

INTERCOOLER

01084084-0



INTERCOOLER

144 MARINE
TURBO DIESEL
+ SOLAS

01084084-0

Pos.	Part.-No.	Qty	Designation	Step
10	2203706-9	1	INTAKE MANIFOLD (RAL9006) -->482330249	.1
15	Z024015-0	1	INTAKE MANIFOLD (RAL9006) 482330250-->	.1
20	2177593-1	1	INTERCOOLER	.1
30	2178483-0	4	O-RING 120,25 x 3,53	.1
40	2178415-8	1	COVER INTERCOOLER REAR (RAL9006)	.1
50	9000064-0	6	HEX.SCR.ISO 4762-M8x35-8.8-FLZNNC-720H-L	.1
60	3930261-0	6	WASHER ISO 7089-8-140HV-FLZNNC-480H	.1
70	2174270-0	1	SPACER, INTERCOOLER	.1
80	2174261-9	1	COVER INTERCOOLER FRONT (RAL9006)	.1
90	2178412-1	2	PLUG M18x1.5	.1
100	2178413-1	2	ZINC ANODE	.1
110	3098020-0	2	SEALING RING DIN 7603-A18x22-CU	.1
120	3802411-0	2	HEX.HD.SCR. ISO 4017-M8x16 A4-70	.1
130	3098009-0	4	SEALING RING DIN 7603-A8x14-CU	.1
140	2203794-0	1	DUO HOLLOW SCREW M8x1	.1
141	11869	1	HOLLOW SCREW M8x1 DIN 7643-4-3-A3C	.1
150	2203795-0	1	BANJO FITTING (ONLY FOR MO144M38)	.1
160	2203796-0	1	BANJO NUT DM8	.1
170	2203665-1	1	HOSE	.1
180	2178552-2	1	HOSE	.1
190	2178893-0	2	HOSE CLAMP 8-12-7,5	.1
200	3862447-0	4	SCR. ISO 4762-M8x45-8.8-FLZNNC-720H-L	.1
210	9000312-0	4	HEX.SCR.ISO4762-M8x120-8.8-FLZNNC-720H-L	.1
220	3930261-0	8	WASHER ISO 7089-8-140HV-FLZNNC-480H	.1
230	2203773-0	1	HOSE, TURBO CHARGER	.1
231	2203830-0	1	CHARGE AIR HOSE (ONLY FOR MO144M38)	.1
240	2179050-0	2	HOSE CLAMP WITH SPRING 40-60/9	.1
250	2203789-1	1	SHACKLE 48221115-->	.1
251	2203789-0	1	SHACKLE -->48221114	.1
260	9000271-0	3	BOLT EN1665-M8x25-10.9-FLZNNC-720H-L	.1
270	3800233-0	5	HEX.HD.SCR. ISO 4017-M6x16-A4-70	.1



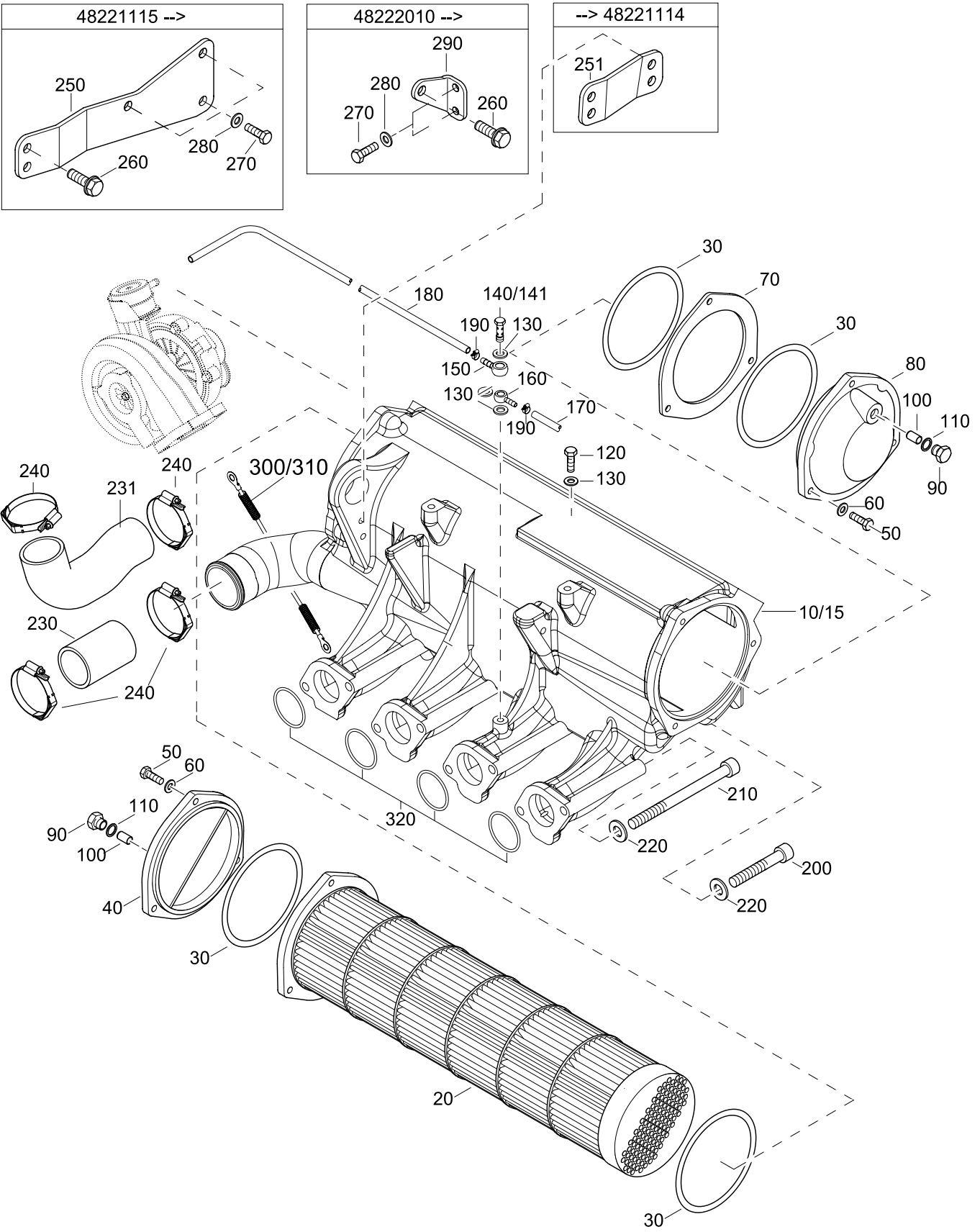


TA 0108

144 MARINE
TURBO DIESEL
+ SOLAS

INTERCOOLER

01084084-0



INTERCOOLER

144 MARINE
TURBO DIESEL
+ SOLAS

01084084-0

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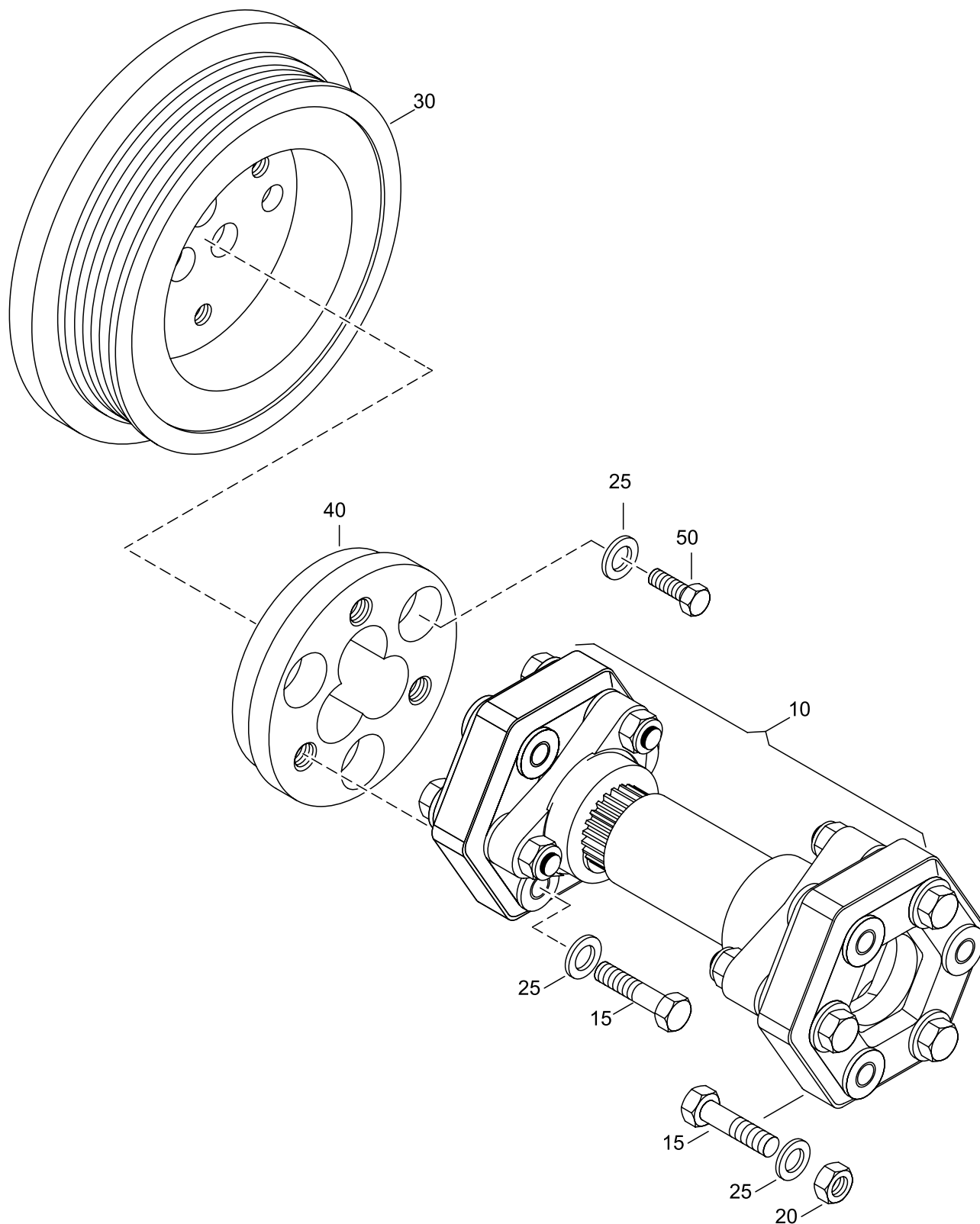


TA 0109

144 MARINE
TURBO DIESEL
+ SOLAS

POWER TAKE OFF FRONT

01094084-0



POWER TAKE OFF FRONT

144 MARINE
TURBO DIESEL
+ SOLAS

01094084-0

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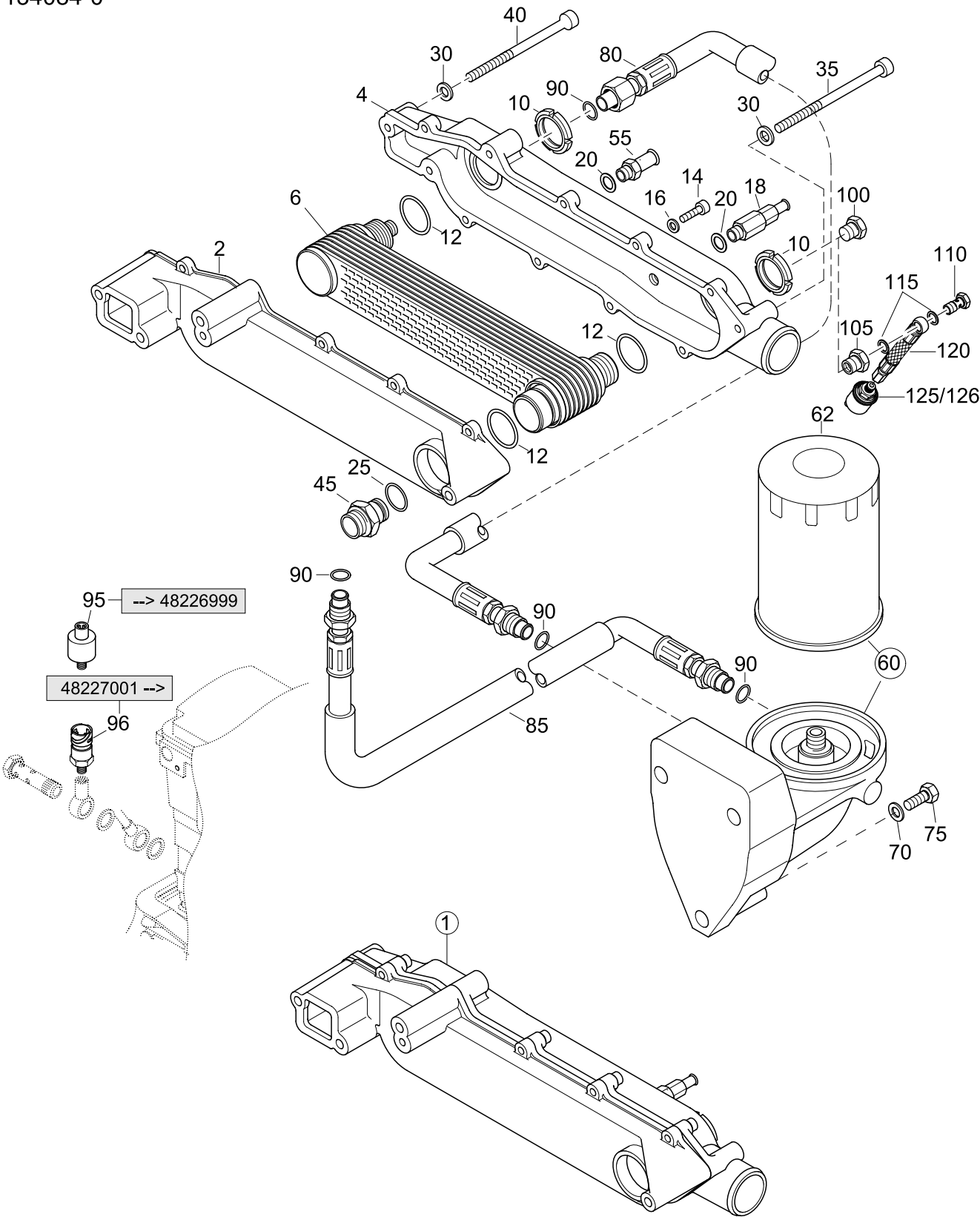


TA 0113

144 MARINE
TURBO DIESEL
+ SOLAS

OILCOOLER

01134084-0



OILCOOLER

144 MARINE
TURBO DIESEL
+ SOLAS

01134084-0

Pos.	Part.-No.	Qty	Designation	Step
1	Z002402-0	1	OIL COOLER ASSY. 4 CYL. MARINE (RAL9006)	.1
2	2203260-9	1	HOUSING OIL COOLER (RAL9006)	..2
4	2203262-9	1	COVER OIL COOLER (RAL9006)	..2
6	2178632-1	1	OIL COOLER CARTRIDGE	..2
10	9000315-0	2	GR.NU.DIN70852-M30x1.5-14H-FLZNNC-720H-L	..2
12	2177741-0	3	O-RING 32,92 x 3,53	..2
14	3862327-0	7	SCR. ISO 4762-M6x25-8.8-FLZNNC-720H-L	..2
16	3932008-0	7	SP. WASHER DIN 137-B6-FST-FLZNNC-480H	..2
18	2178598-0	1	DRAIN COCK ASSY.	..2
20	3098013-0	1	SEALING RING DIN 7603-A12x18-CU	..2
25	2177742-1	1	O-RING 25 x 3,53	.1
30	3930103-0	5	WASHER ISO 7089-8-A4-200HV	.1
35	9000312-0	2	HEX.SCR.ISO4762-M8x120-8.8-FLZNNC-720H-L	.1
40	3860147-0	3	SCR. ISO 4762-M8x110-8.8-FLZNNC-720H-L	.1
45	Z002127-0	1	SPARE P. BUSHING, OIL COOLER	.1
55	2178698-0	1	NIPPLE HEATER ON OILCOOLER (ACCES.)	.1
60	Z002403-0	1	OIL FILTER & COVER ASSY. (RAL9006)	.1
62	2178582-1	1	OIL FILTER CARTRIDGE	..2
70	3930103-0	3	WASHER ISO 7089-8-A4-200HV	.1
75	3862452-0	3	HEX.SCR.ISO 4762-M8x50-8.8-FLZNNC-720H-L	.1
80	2203740-0	1	HOSE, FILTER-OIL COOLER	.1
85	2203741-0	1	HOSE, OILPUMP TO FILTER	.1
90	2176170-0	4	O-RING 15x2	.1
95	2206122-0	1	OIL PRESSURE SENSOR -->48226999	.1
96	2206305-0	1	PRESSURE SENSOR 1-8 27 NPT 48227001-->	.1
100	9000290-0	1	SCREW PLUG 1/4-18 NPTF	.1
105	2203819-0	1	SCREW PLUG 1/4-18 NPTF - M10x1	.1
110	9000010-1	1	HOLLOW SCREW M10x1 DIN 7643-6-3-S	.1
115	3098011-0	2	SEALING RING DIN 7603-A10x16-CU	.1
120	Z002405-0	1	HOSE OIL PRESSURE SENSOR (ACCESSORY)	.1
125	Z002640-0	1	OIL PRESSURE SENSOR 2-POLE (ACCESSORY)	.1



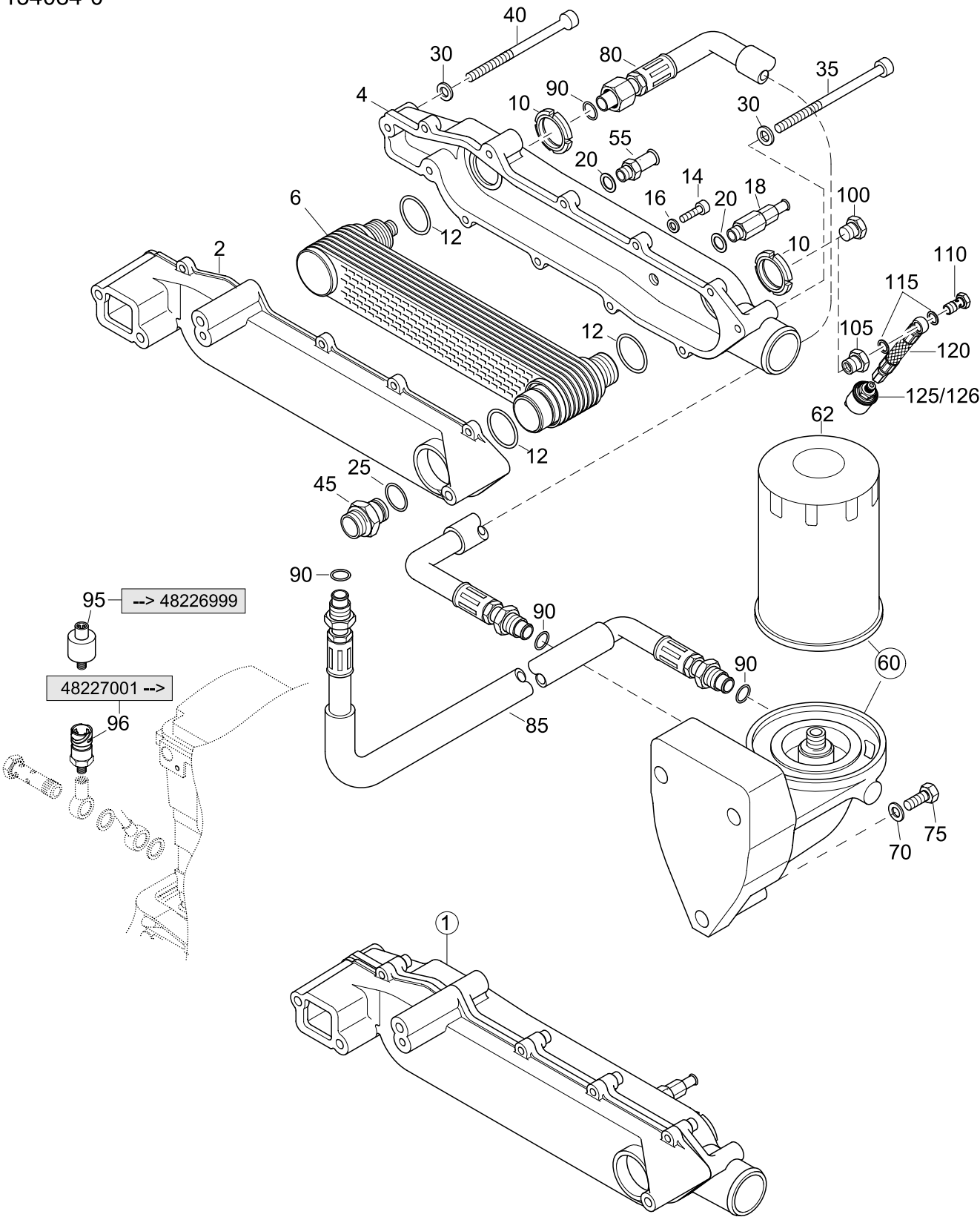


TA 0113

144 MARINE
TURBO DIESEL
+ SOLAS

OILCOOLER

01134084-0



144 MARINE
TURBO DIESEL
+ SOLAS

01134084-0

Z001005-0_10



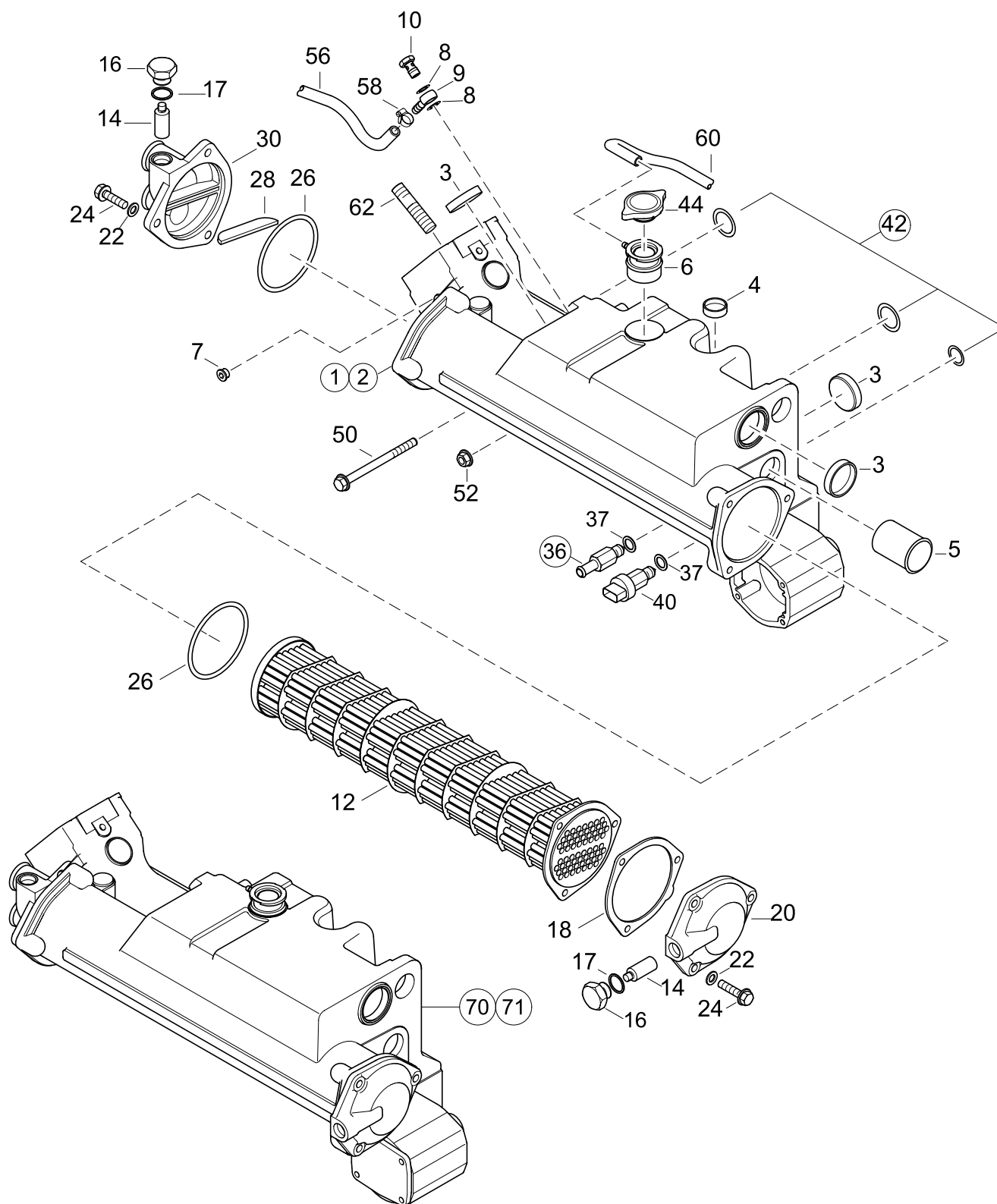


TA 0114

144 MARINE
TURBO DIESEL
+ SOLAS

EXHAUST, HEAT EXCHANGER -->482341169

01144084-0



EXHAUST, HEAT EXCHANGER -->482341169

144 MARINE
TURBO DIESEL
+ SOLAS

01144084-0

Pos.	Part.-No.	Qty	Designation	Step
1	2203703-0	1	EXHAUST MANIFOLD ASSY. (RAL9006) -->48227163	.1
2	Z002433-0	1	EXHAUST MANIFOLD ASSY. (RAL9006) 48227164-->482341169	.1
3	2178112-0	3	CORE HOLE PLUG 40-8	..2
4	Z002048-0	9	CORE PLUG WITH O-RING	..2
5	2174617-0	1	PIPE FITTING	..2
6	2178331-0	1	FILLER NECK	..2
7	2170217-0	1	SCREW PLUG M10x1	.1
8	3098011-0	4	SEALING RING DIN 7603-A10x16-CU	.1
9	2174384-1	2	BANJO DN4 DIN 7642	.1
10	9000010-1	2	HOLLOW SCREW M10x1 DIN 7643-6-3-S	.1
12	2203704-0	1	HEATEXCHANGER	.1
14	2178413-1	2	ZINC ANODE	.1
16	Z002017-0	2	PLUG & SEAL FOR ZINC-ANODE	.1
17	3098020-0	1	SEALING RING DIN 7603-A18x22-CU	..2
18	2174155-1	1	GASKET, HEAT EXCHANGER COVER	.1
20	2173510-9	1	COVER HEAT EXCHANGER, FRONT (RAL9006)	.1
24	9000431-0	6	BOLT EN1665-M8x30-10.9-FLZNNC-720H-L	.1
26	2173636-0	2	O-RING 90x3	.1
28	2174073-0	1	SEAL FOR HEAT EXCHANGER COVER	.1
30	2177450-9	1	COVER HEAT EXCHANGER REAR (RAL9006)	.1
36	2178598-0	1	DRAIN COCK ASSY.	.1
37	3098013-0	2	SEALING RING DIN 7603-A12x18-CU	.1
40	2174623-3	1	COOLANT TEMPERATURE SENSOR	.1
42	Z002489-0	1	SEAL KIT, EXH.MANIF - BLOCK (O-RINGS)	.1
44	2174693-7	1	FILLER CAP ENGINE COOLANT	.1
50	9000248-1	8	BOLT EN1665-M8x110-10.9-FLZNNC-720H-L	.1
52	3880049-0	2	HEX.FLANGE NUT EN 1661-M6-A4-70	.1
56	2178552-1	1	HOSE L=275mm	.1
58	2174405-0	2	HOSE CLAMP 10-16/7,5	.1
60	2174682-0	1	HOSE, OVERFLOW	.1
62	2203778-0	4	STUD HR-STEEL DIN 940-M8FOx25	.1



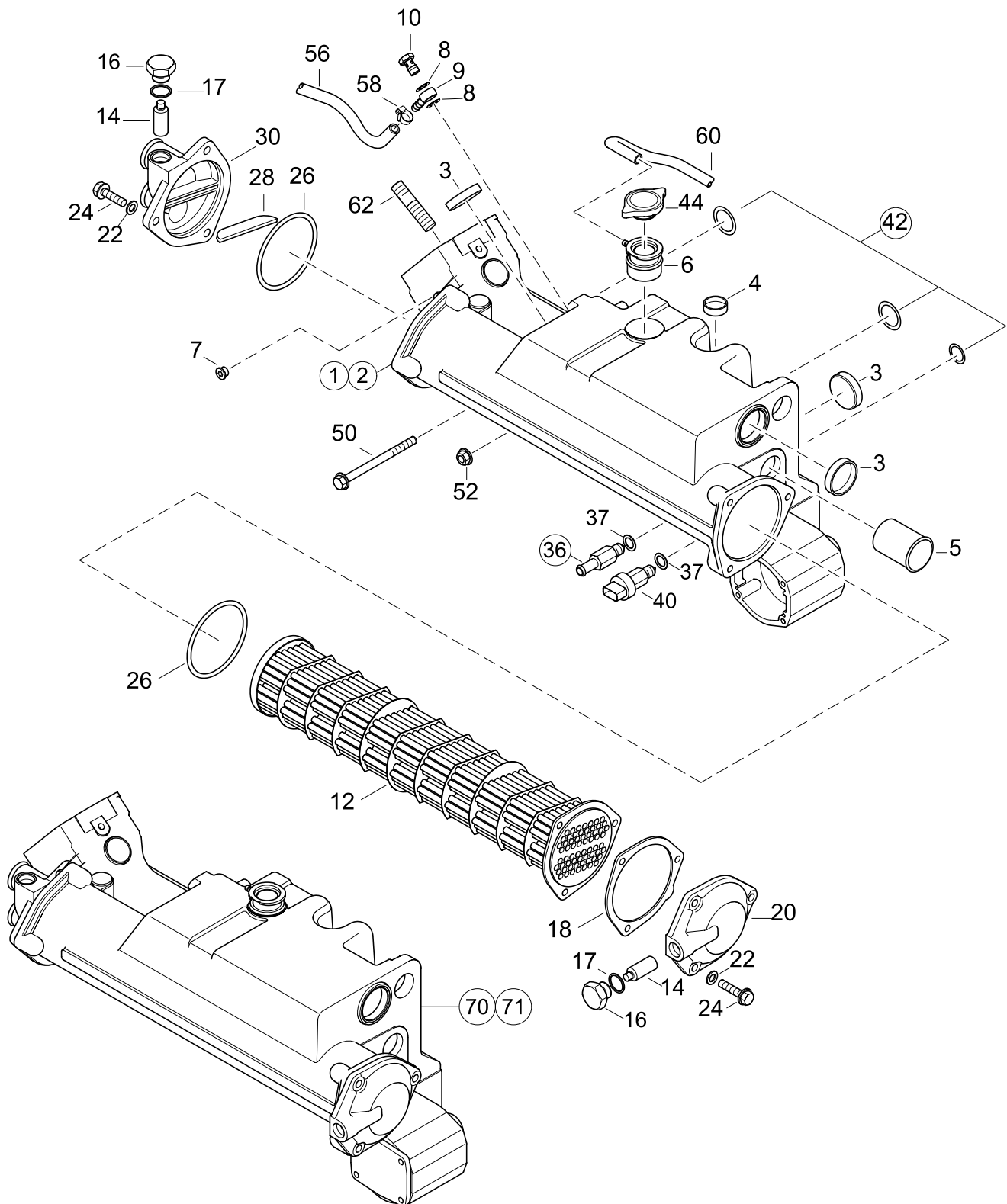


TA 0114

144 MARINE
TURBO DIESEL
+ SOLAS

EXHAUST, HEAT EXCHANGER -->482341169

01144084-0



EXHAUST, HEAT EXCHANGER -->482341169

144 MARINE
TURBO DIESEL
+ SOLAS

01144084-0

[illegible]

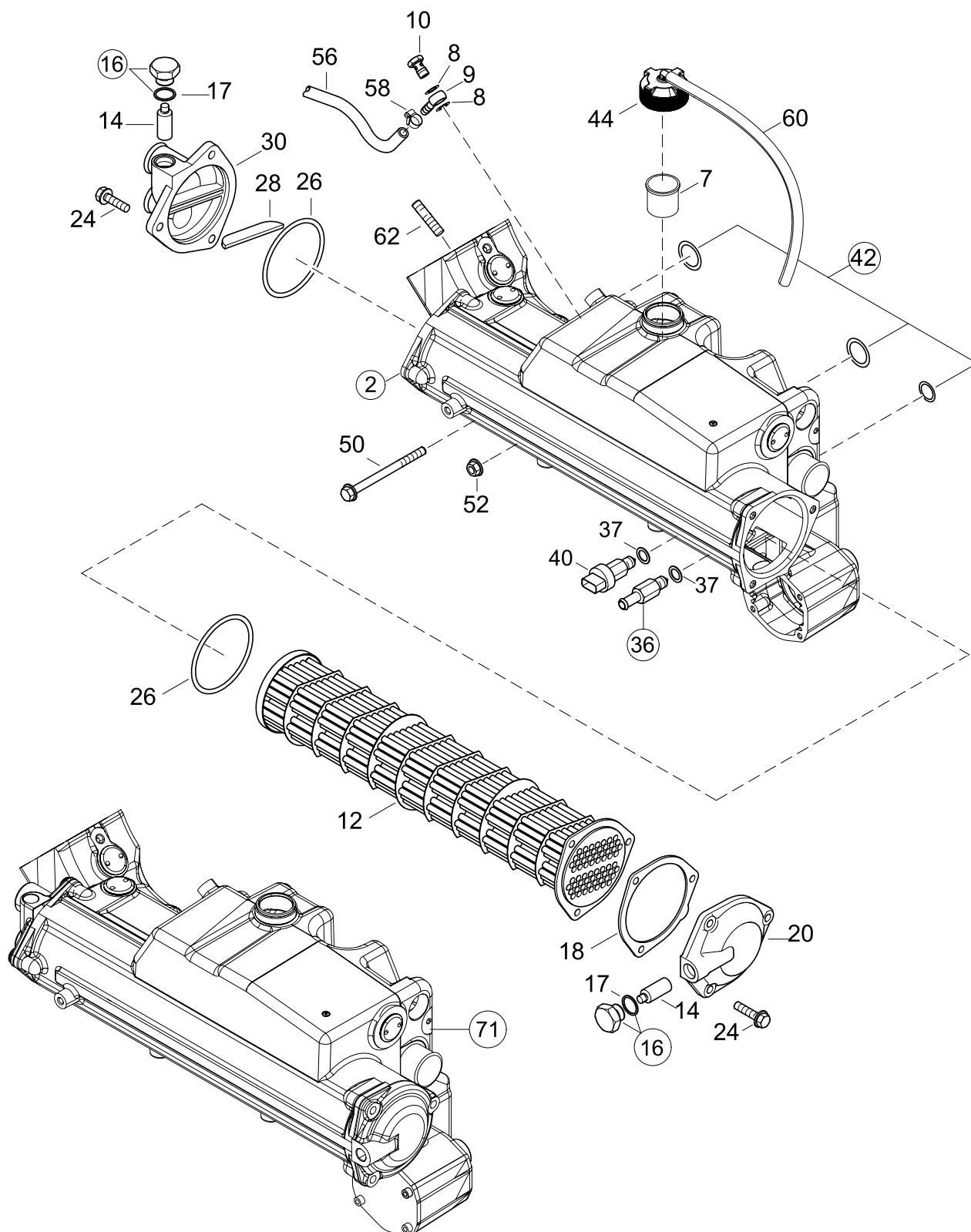


TA 0114

144 MARINE
TURBO DIESEL
+ SOLAS

EXHAUST, HEAT EXCHANGER 482341170-->

01144084-1



EXHAUST, HEAT EXCHANGER 482341170-->

144 MARINE
TURBO DIESEL
+ SOLAS

01144084-1

Pos.	Part.-No.	Qty	Designation	Step
2	500160	1	EXHAUST MANIFOLD ASSY. (RAL9006)	.1
7	701659	1	BUSHING, FILLING LEVEL INDICATOR	.1
8	3098011-0	4	SEALING RING DIN 7603-A10x16-CU	.1
9	2174384-1	2	BANJO DN4 DIN 7642	.1
10	9000010-1	2	HOLLOW SCREW M10x1 DIN 7643-6-3-S	.1
12	2203704-0	1	HEATEXCHANGER	.1
14	2178413-1	2	ZINC ANODE	.1
16	Z002017-0	2	PLUG & SEAL FOR ZINC-ANODE	.1
17	3098020-0	1	SEALING RING DIN 7603-A18x22-CU	.2
18	2174155-1	1	GASKET, HEAT EXCHANGER COVER	.1
20	2173510-9	1	COVER HEAT EXCHANGER, FRONT (RAL9006)	.1
24	9000431-0	6	BOLT EN1665-M8x30-10.9-FLZNNC-720H-L	.1
26	2173636-0	2	O-RING 90x3	.1
28	2174073-0	1	SEAL FOR HEAT EXCHANGER COVER	.1
30	2177450-9	1	COVER HEAT EXCHANGER REAR (RAL9006)	.1
36	2178598-0	1	DRAIN COCK ASSY.	.1
37	3098013-0	2	SEALING RING DIN 7603-A12x18-CU	.1
40	2180773-0	1	TEMPERATURE SENSOR W. SEAL RING	.1
42	Z002489-0	1	SEAL KIT, EXH.MANIF - BLOCK (O-RINGS)	.1
44	2181153-0	1	RADIATOR CAP	.1
50	9000248-1	8	BOLT EN1665-M8x110-10.9-FLZNNC-720H-L	.1
52	3880049-0	2	HEX.FLANGE NUT EN 1661-M6-A4-70	.1
56	2178552-1	1	HOSE L=275mm	.1
58	2174405-0	2	HOSE CLAMP 10-16/7,5	.1
60	2174682-0	1	HOSE, OVERFLOW	.1
62	2203778-0	4	STUD HR-STEEL DIN 940-M8FOx25	.1
71	500161	1	EXH. MANIFOLD COMPLETE (RAL9006)	.1



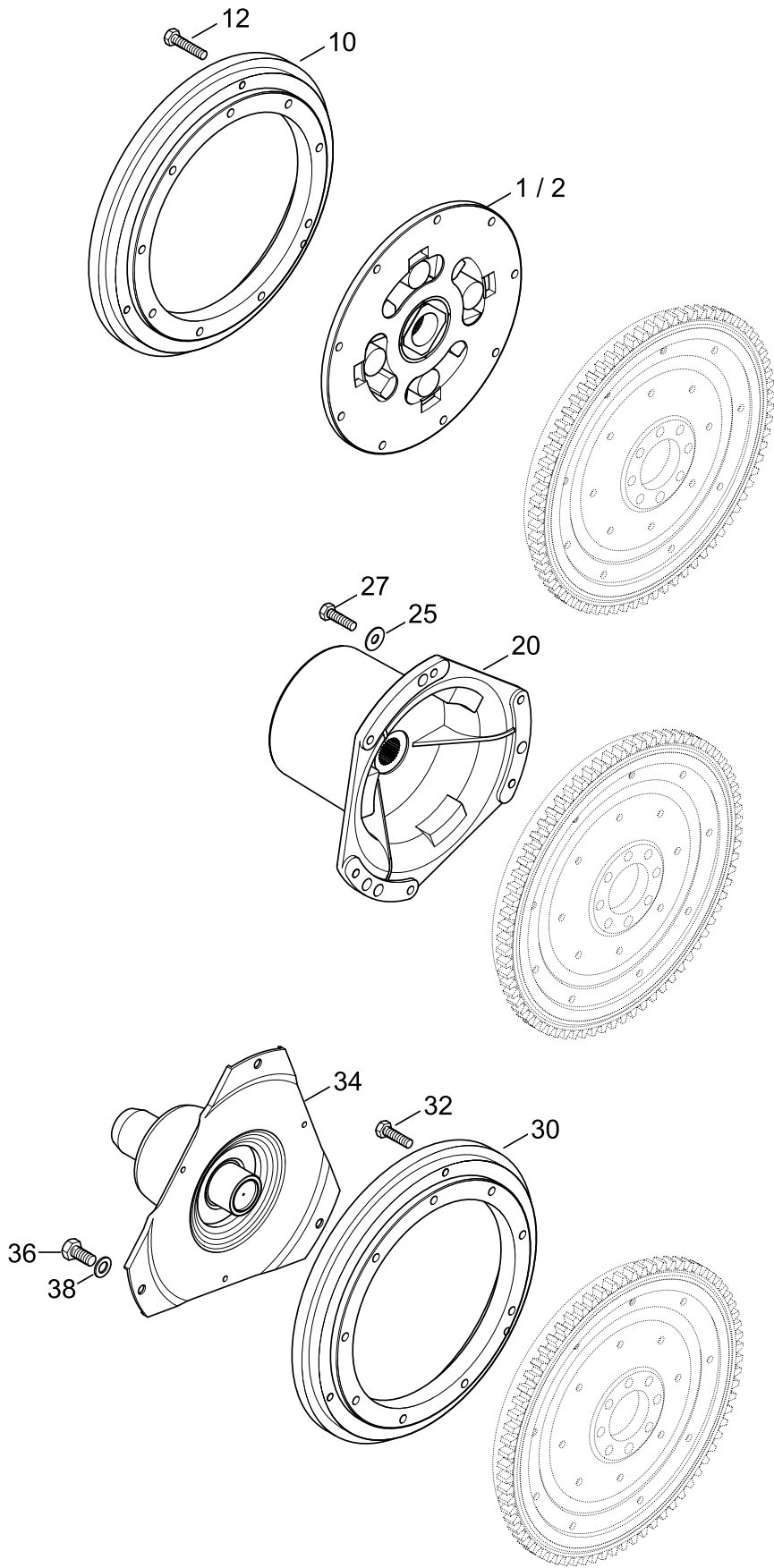


TA 0200

144 MARINE
TURBO DIESEL
+ SOLAS

COUPLER - SMALL FLYWHEEL

02004084-0



144 MARINE
TURBO DIESEL
+ SOLAS

02004084-0

Z001005-0_10



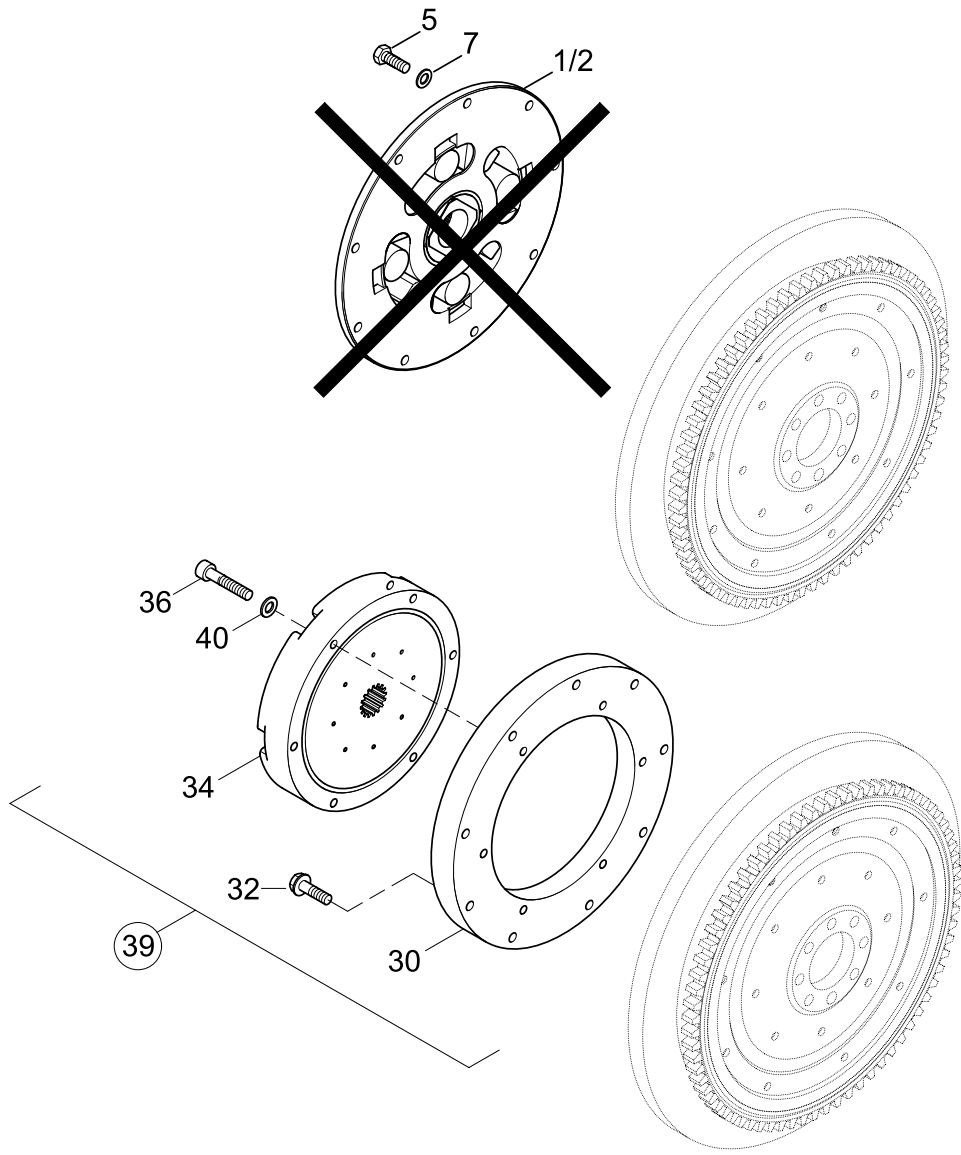


TA 0201

144 MARINE
TURBO DIESEL
+ SOLAS

COUPLER

02014084-1



COUPLER

144 MARINE
TURBO DIESEL
+ SOLAS

02014084-1

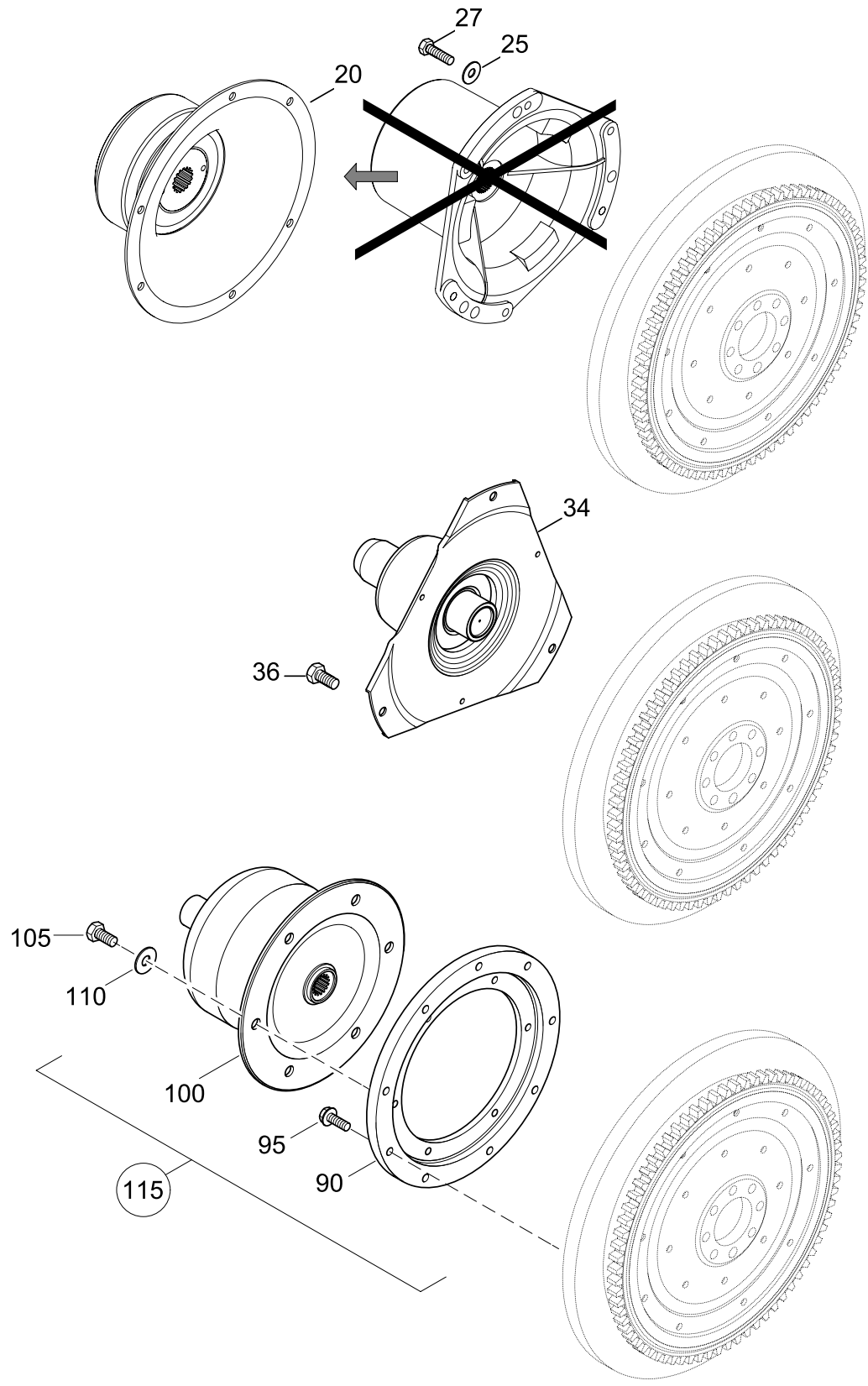
[illegible]



TA 0201

144 MARINE TURBO DIESEL + SOLAS	COUPLER
--	-----------------------

02014084-3



COUPLER

144 MARINE
TURBO DIESEL
+ SOLAS

02014084-3

[illegible]

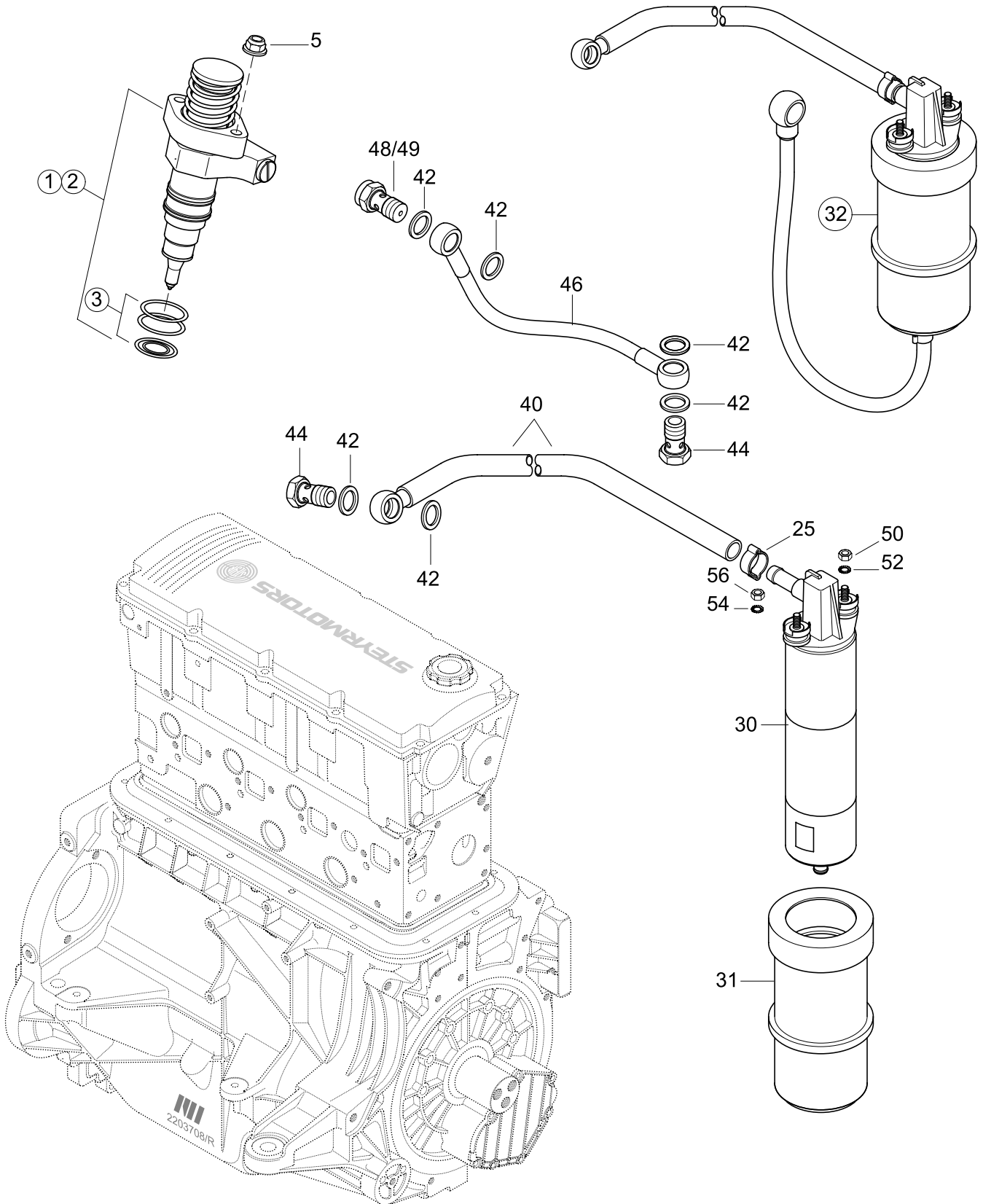


TA 0302

144 MARINE
TURBO DIESEL
+ SOLAS

FUEL PUMP, UNIT INJECTOR, PIPE

03024084-1



144 MARINE
TURBO DIESEL
+ SOLAS

03024084-1

Z001005-0 10



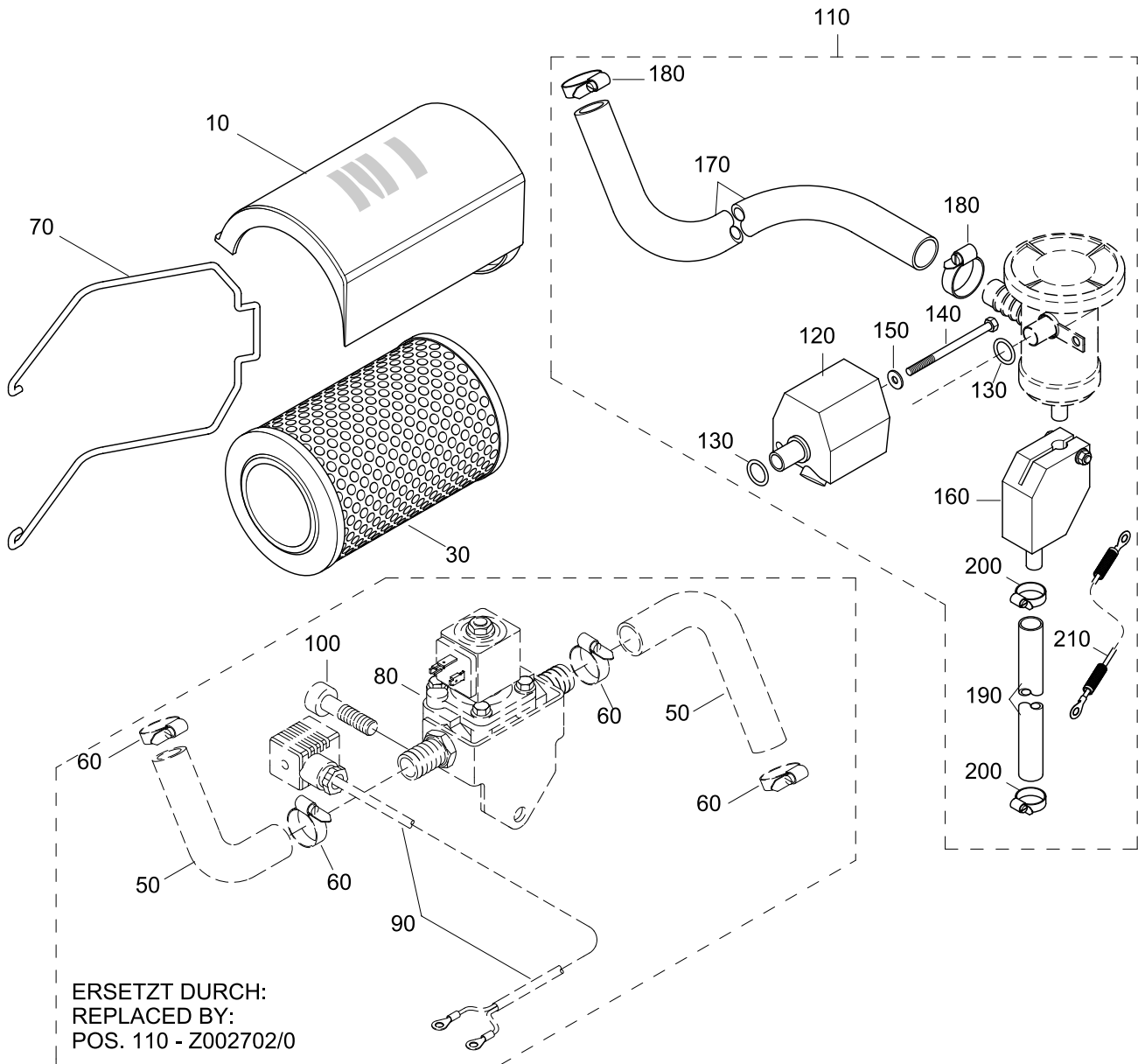


TA 0304

144 MARINE
TURBO DIESEL
+ SOLAS

AIR FILTER -->48219069 (ONLY FOR MO144V38)

03044084-0



144 MARINE
TURBO DIESEL
+ SOLAS

03044084-0

Z001005-0 10



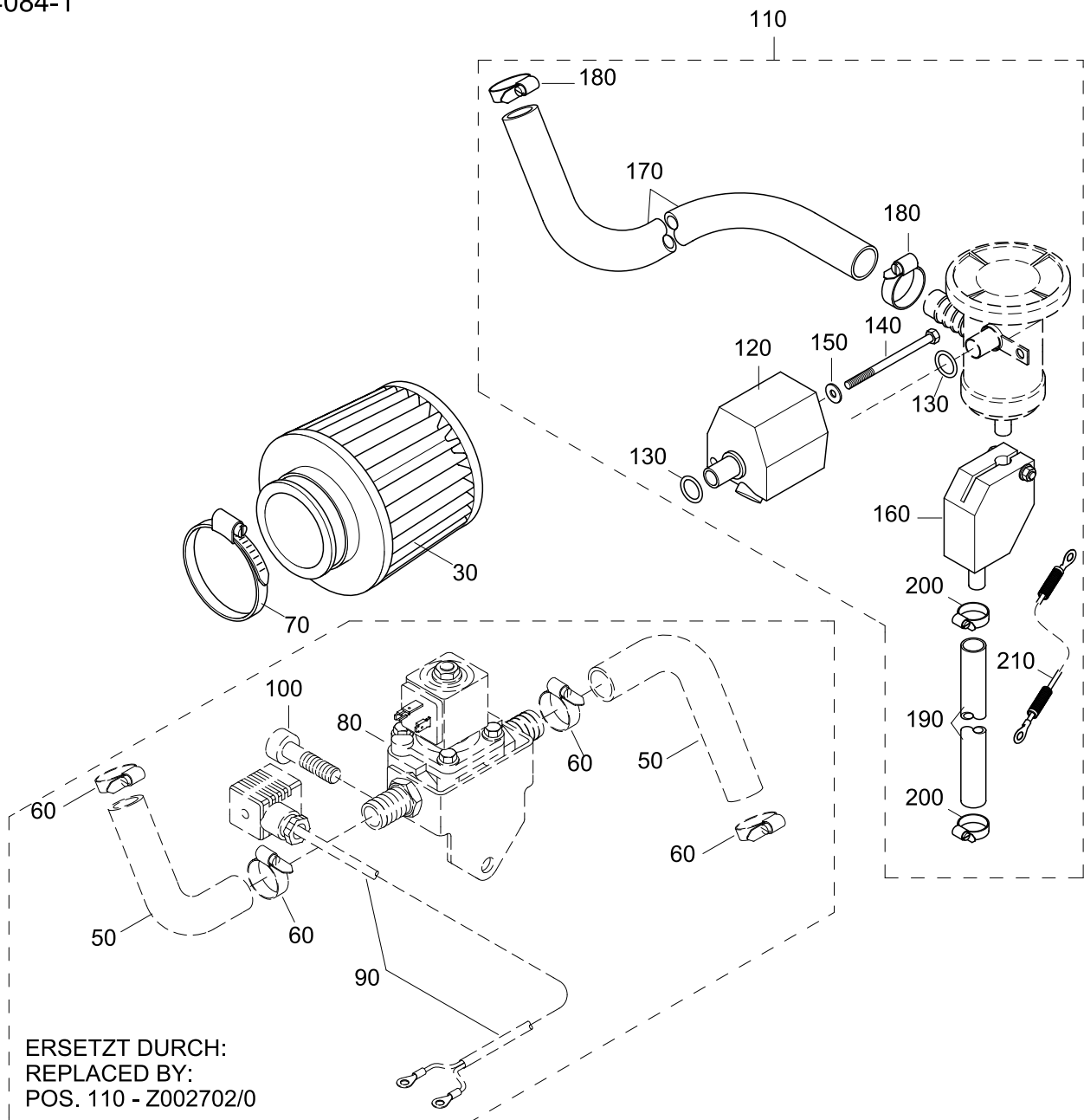


TA 0304

144 MARINE
TURBO DIESEL
+ SOLAS

AIR FILTER 48219070--> (ONLY FOR MO144V38)

03044084-1



144 MARINE
TURBO DIESEL
+ SOLAS

03044084-1

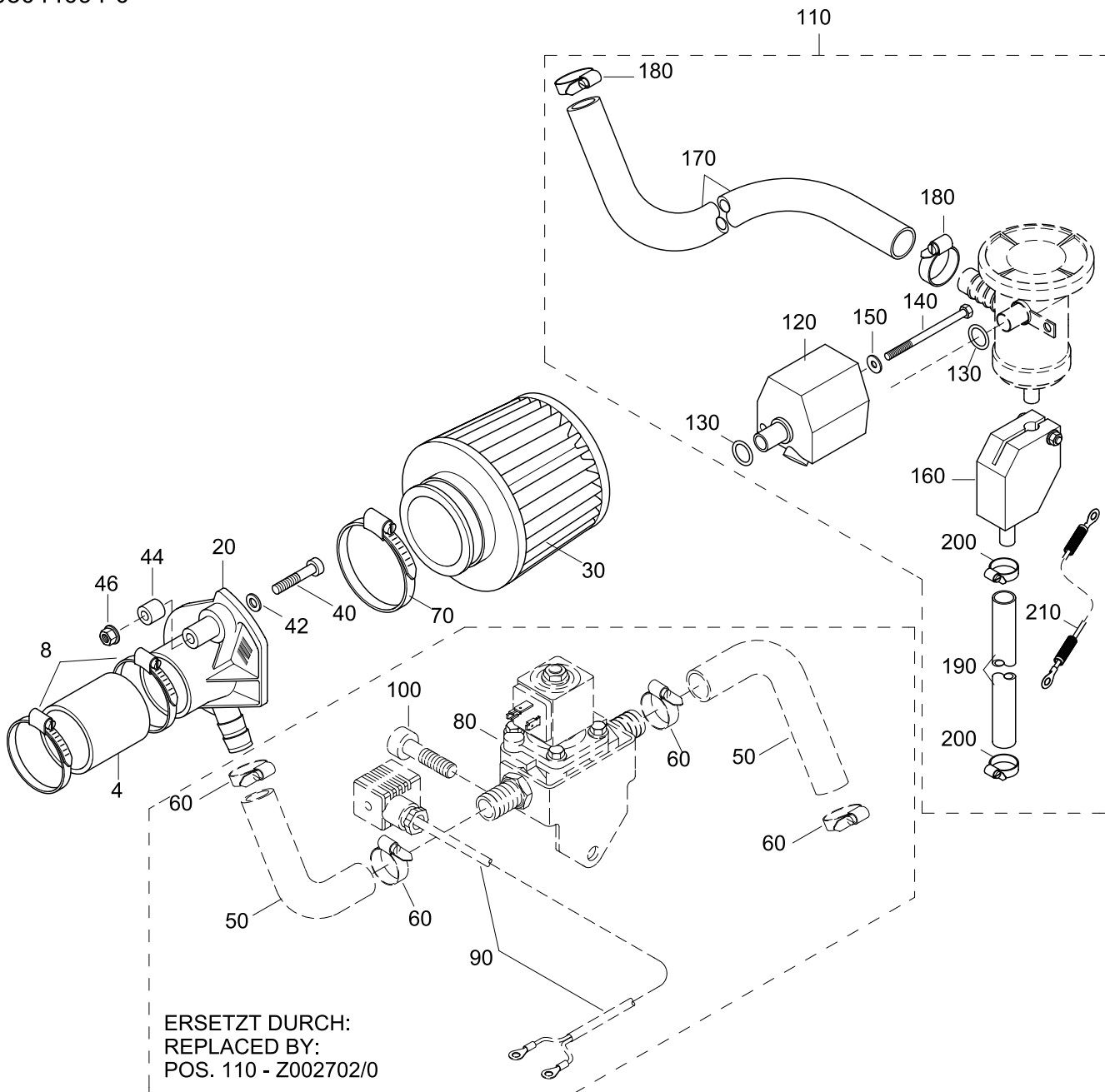
Z001005-0 10





AIR FILTER -->48228079 (ONLY FOR MO144M38)

03044094-0



AIR FILTER -->48228079 (ONLY FOR MO144M38)

144 MARINE
TURBO DIESEL
+ SOLAS

03044094-0

[illegible]

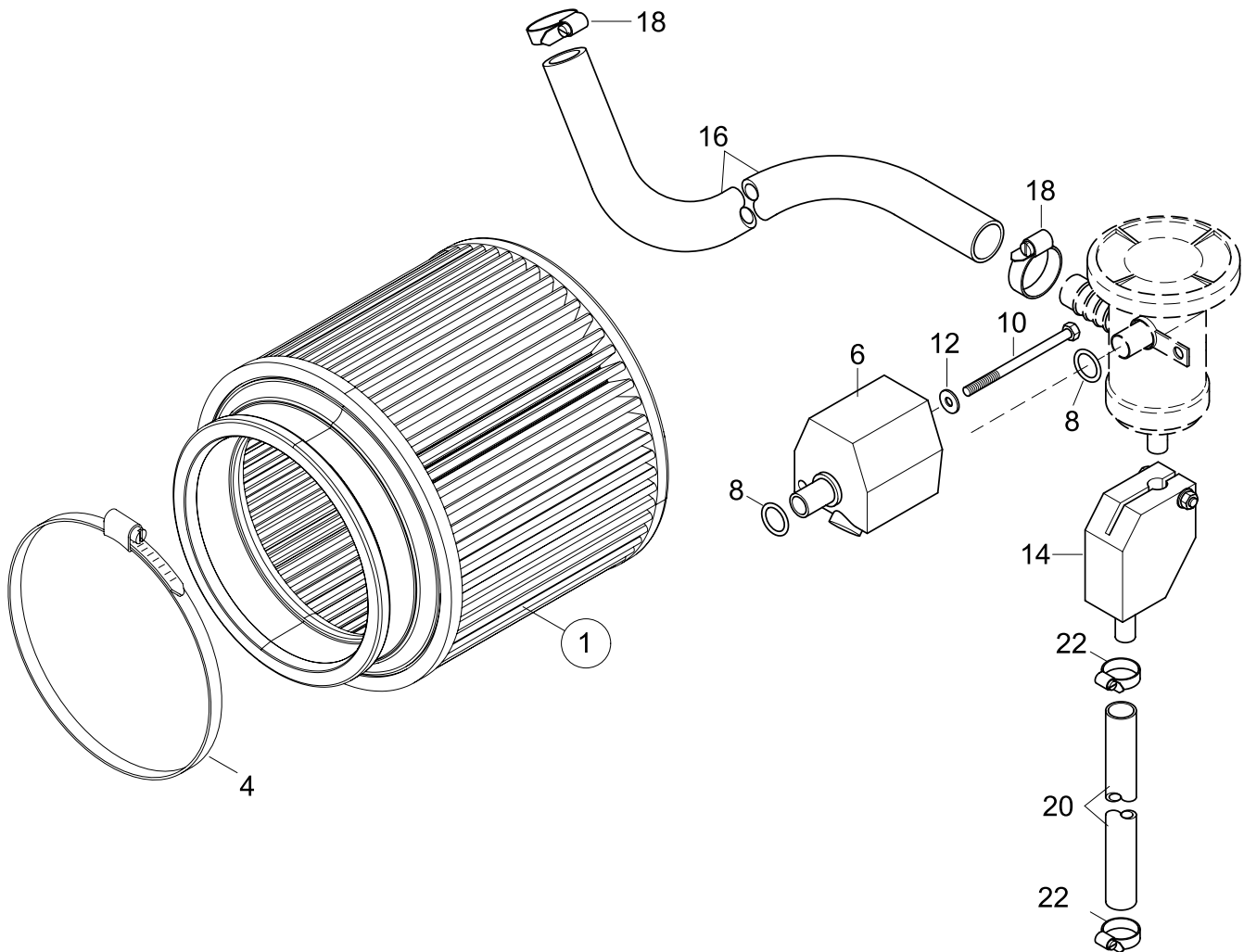


TA 0304

144 MARINE
TURBO DIESEL
+ SOLAS

AIR FILTER 48228080--> (ONLY FOR MO144M38)

03044094-1



144 MARINE
TURBO DIESEL
+ SOLAS

03044094-1

Z001005-0 10



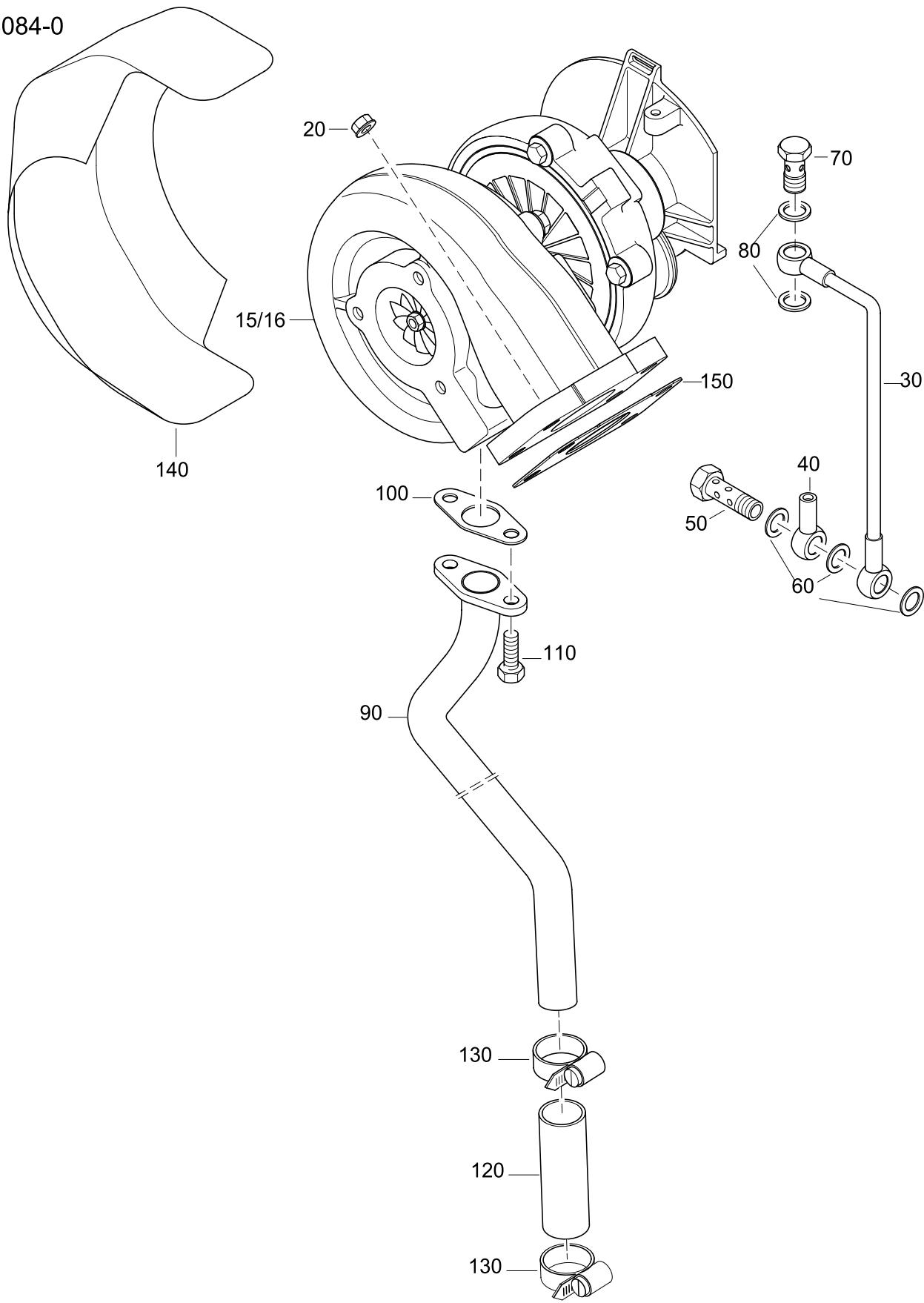


TA 0305

144 MARINE
TURBO DIESEL
+ SOLAS

TURBOCHARGER (ONLY FOR MO144V38)

03054084-0



144 MARINE
TURBO DIESEL
+ SOLAS

03054084-0

Z001005-0 10



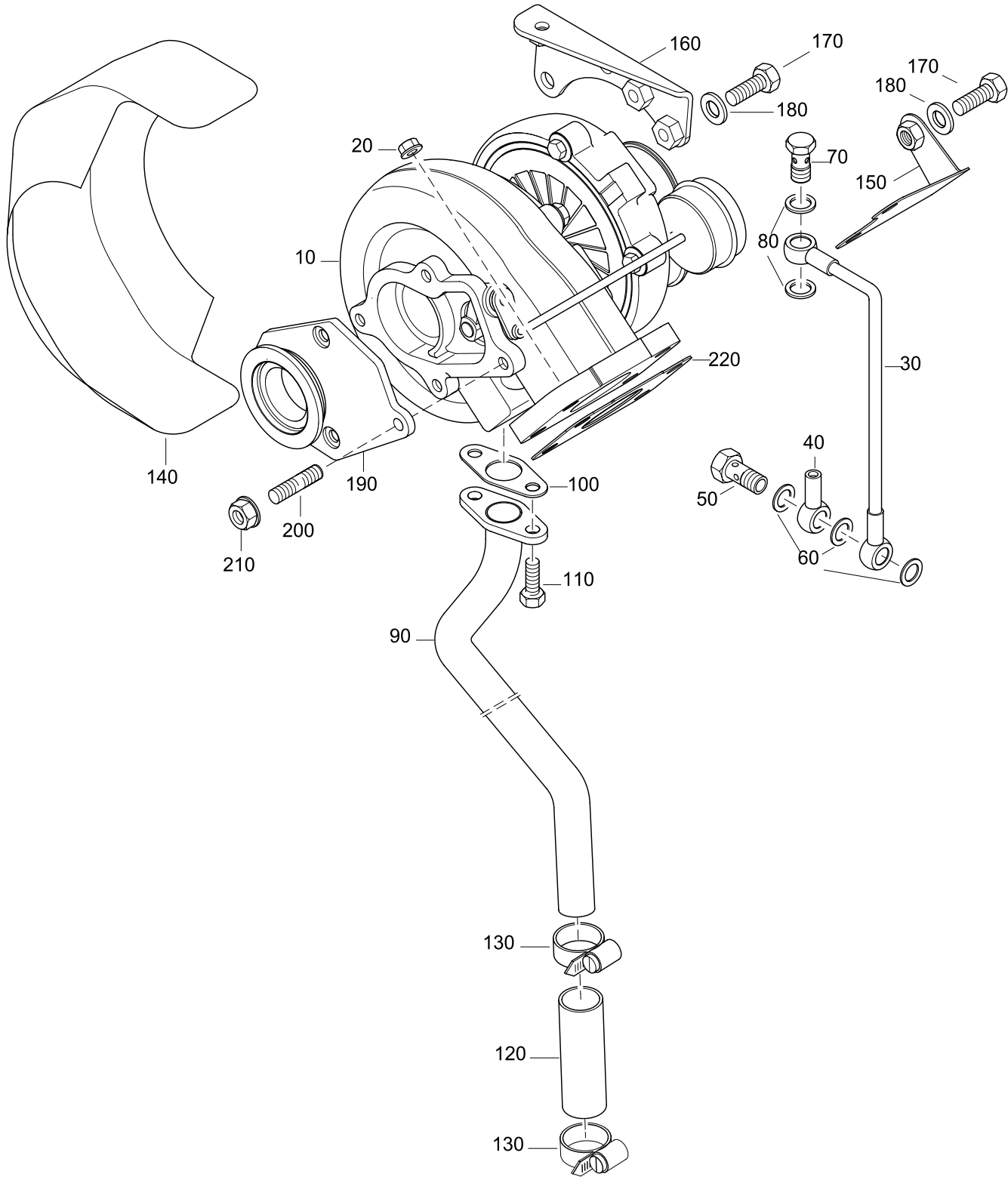


TA 0305

144 MARINE
TURBO DIESEL
+ SOLAS

TURBOCHARGER (ONLY FOR MO144M38)

03054094-0



144 MARINE
TURBO DIESEL
+ SOLAS

03054094-0

Z001005-0 10



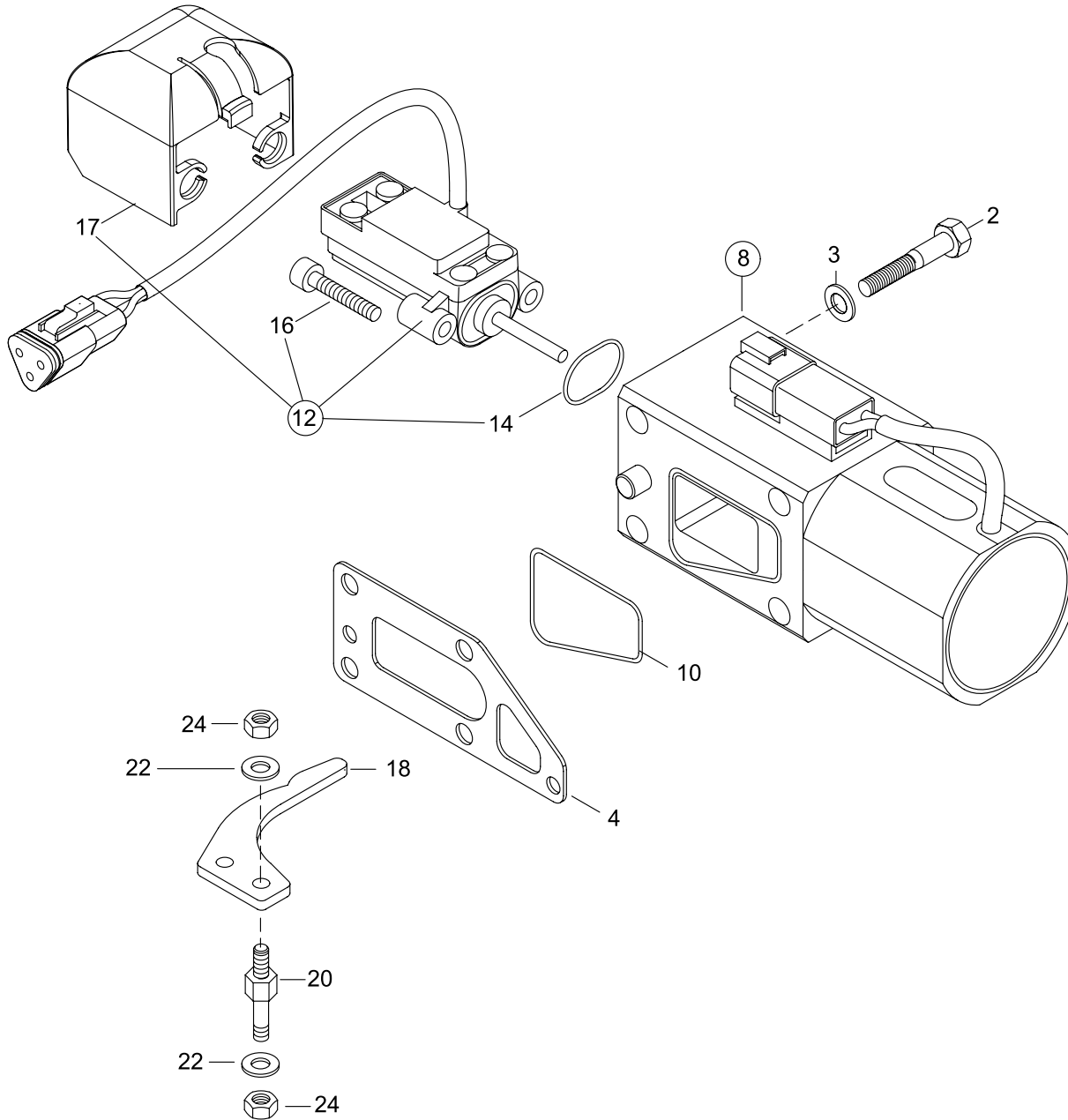


TA 0308

144 MARINE
TURBO DIESEL
+ SOLAS

CONTR. SOLENOID, POTENTIOMETER

03084084-1



CONTR. SOLENOID, POTENTIOMETER

144 MARINE
TURBO DIESEL
+ SOLAS

03084084-1

[illegible]

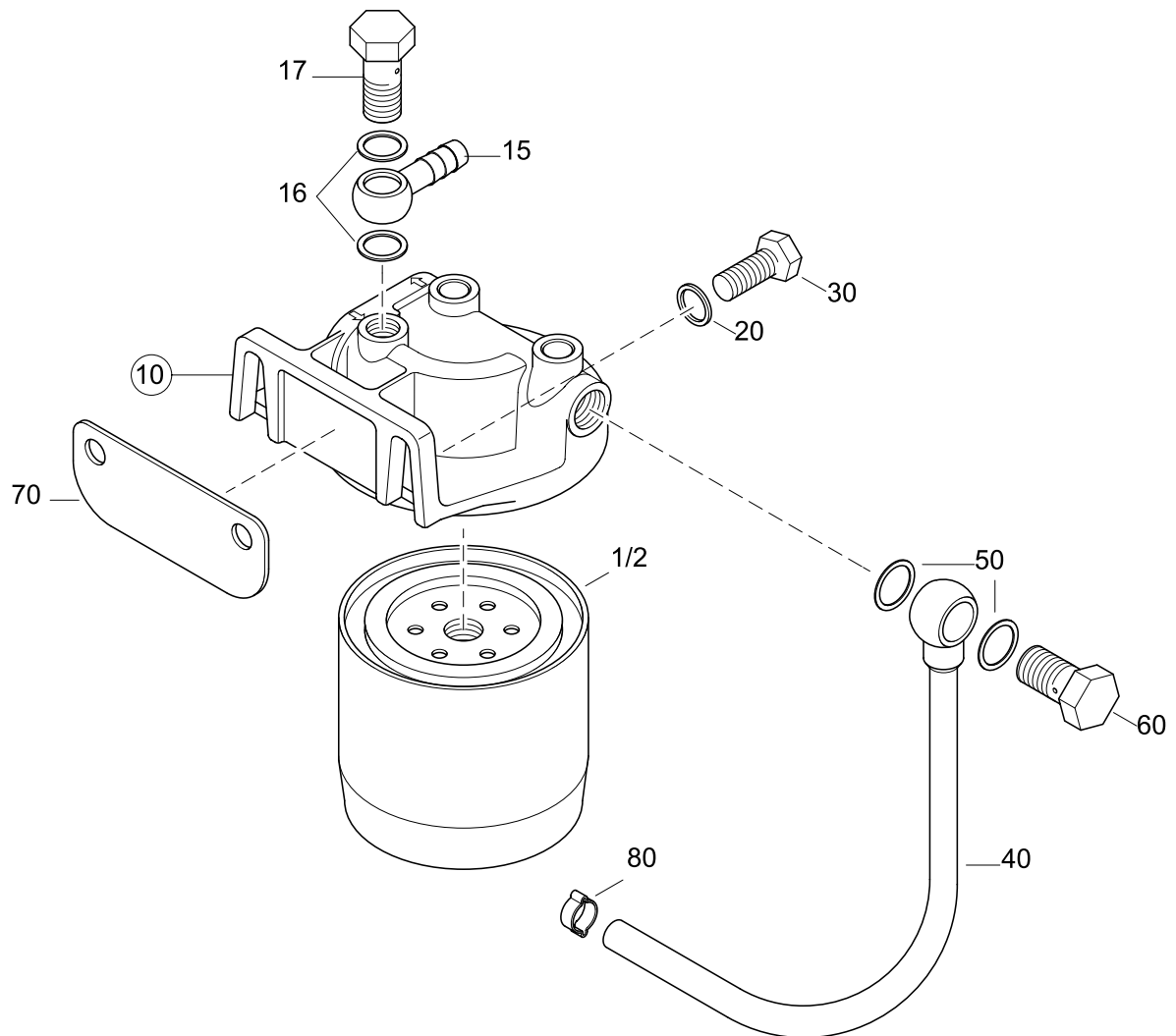


TA 0309

144 MARINE
TURBO DIESEL
+ SOLAS

FUEL FILTER

03094084-1



FUEL FILTER

144 MARINE
TURBO DIESEL
+ SOLAS

03094084-1

[illegible]

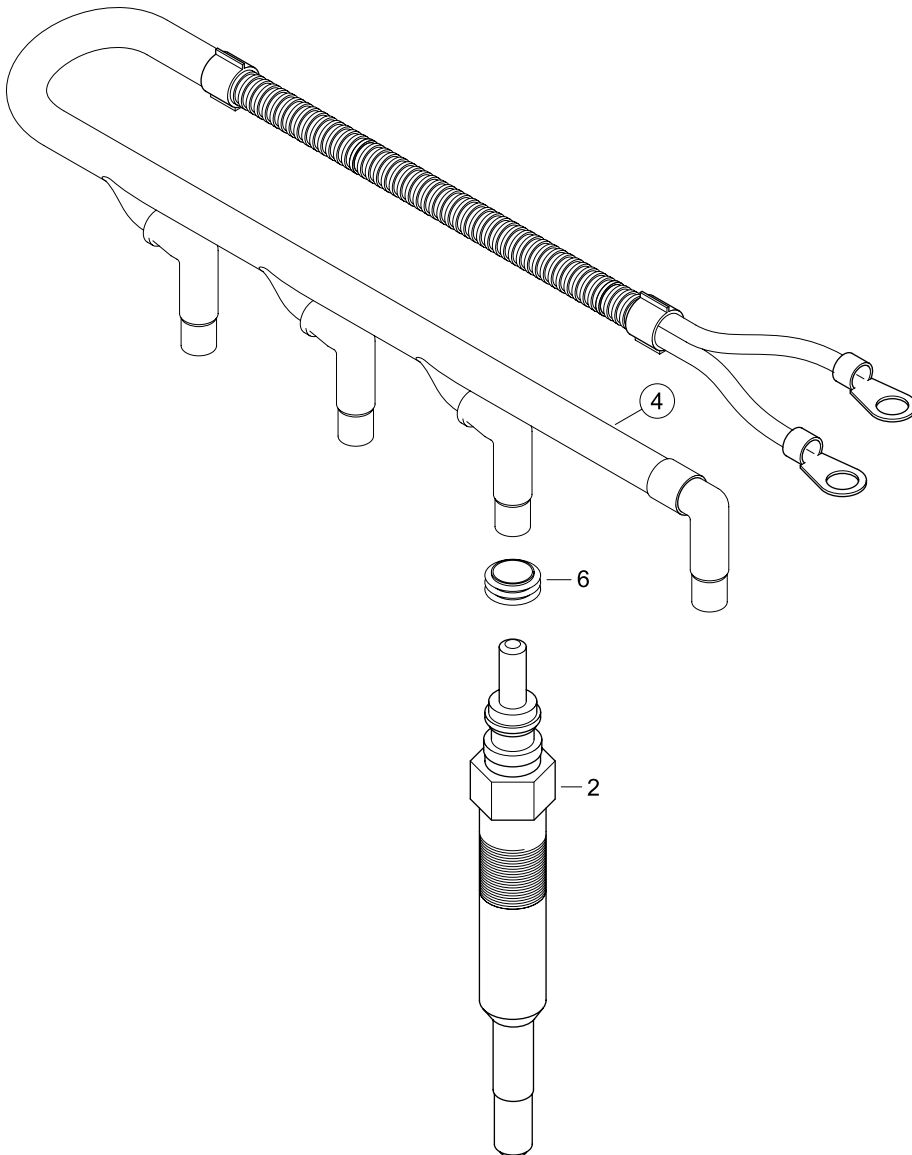


TA 0311

144 MARINE
TURBO DIESEL
+ SOLAS

GLOW PLUG

03114084-0



144 MARINE
TURBO DIESEL
+ SOLAS

03114084-0

Z001005-0_10





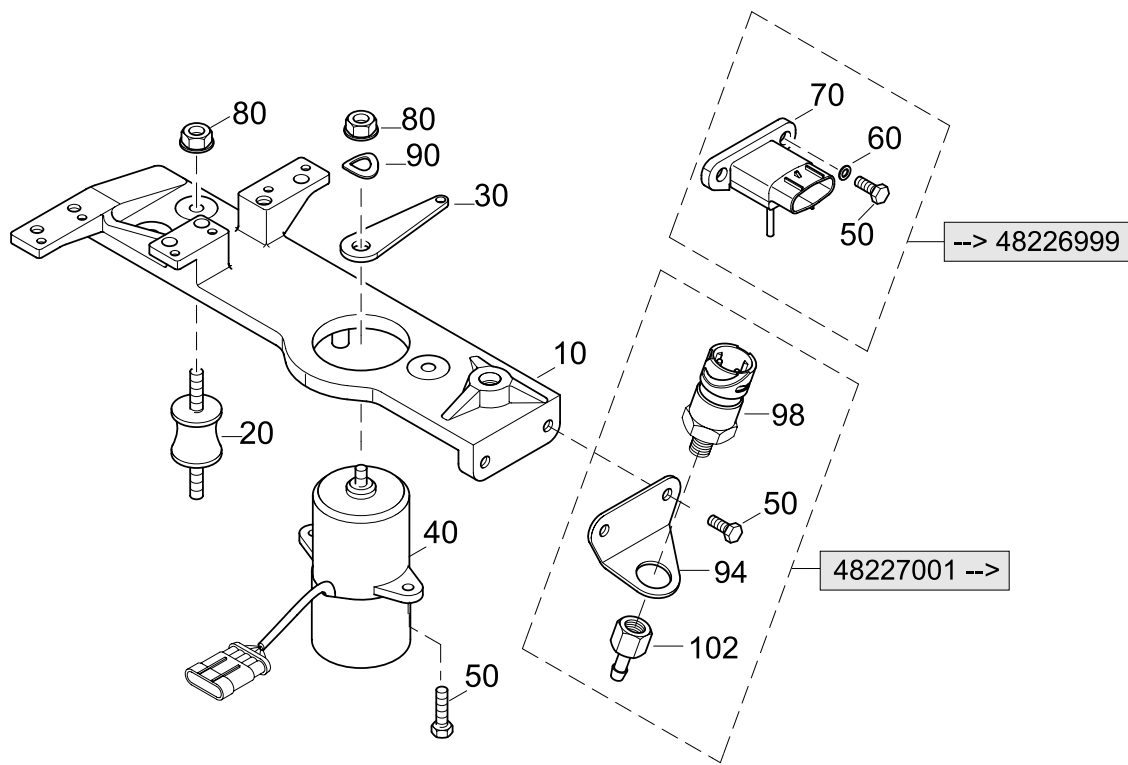
TA 0312

144 MARINE
TURBO DIESEL
+ SOLAS

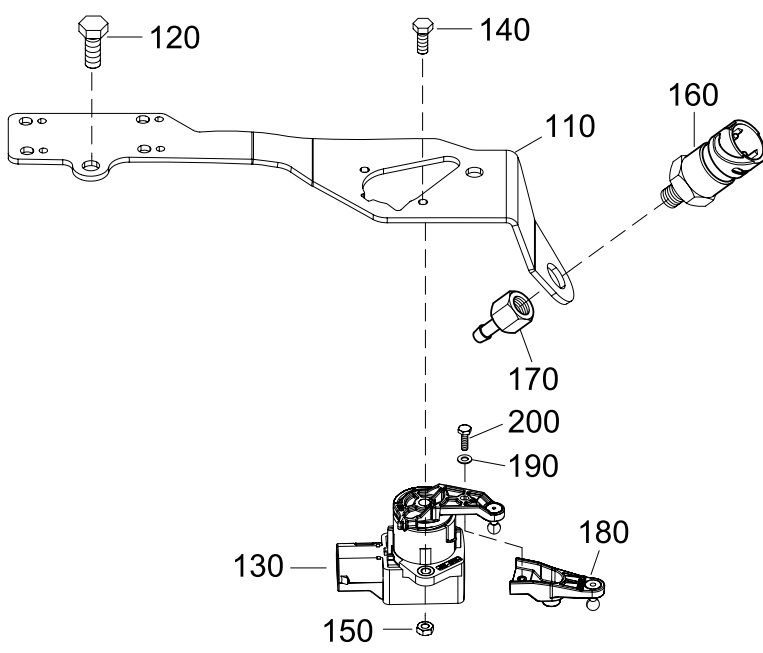
POT. ACCELERATOR, BOOST PRESSURE SENSOR

03124084-0

TILL --> 482330249



FROM 482330250 -->



POT. ACCELERATOR, BOOST PRESSURE SENSOR

144 MARINE
TURBO DIESEL
+ SOLAS

03124084-0

[illegible]

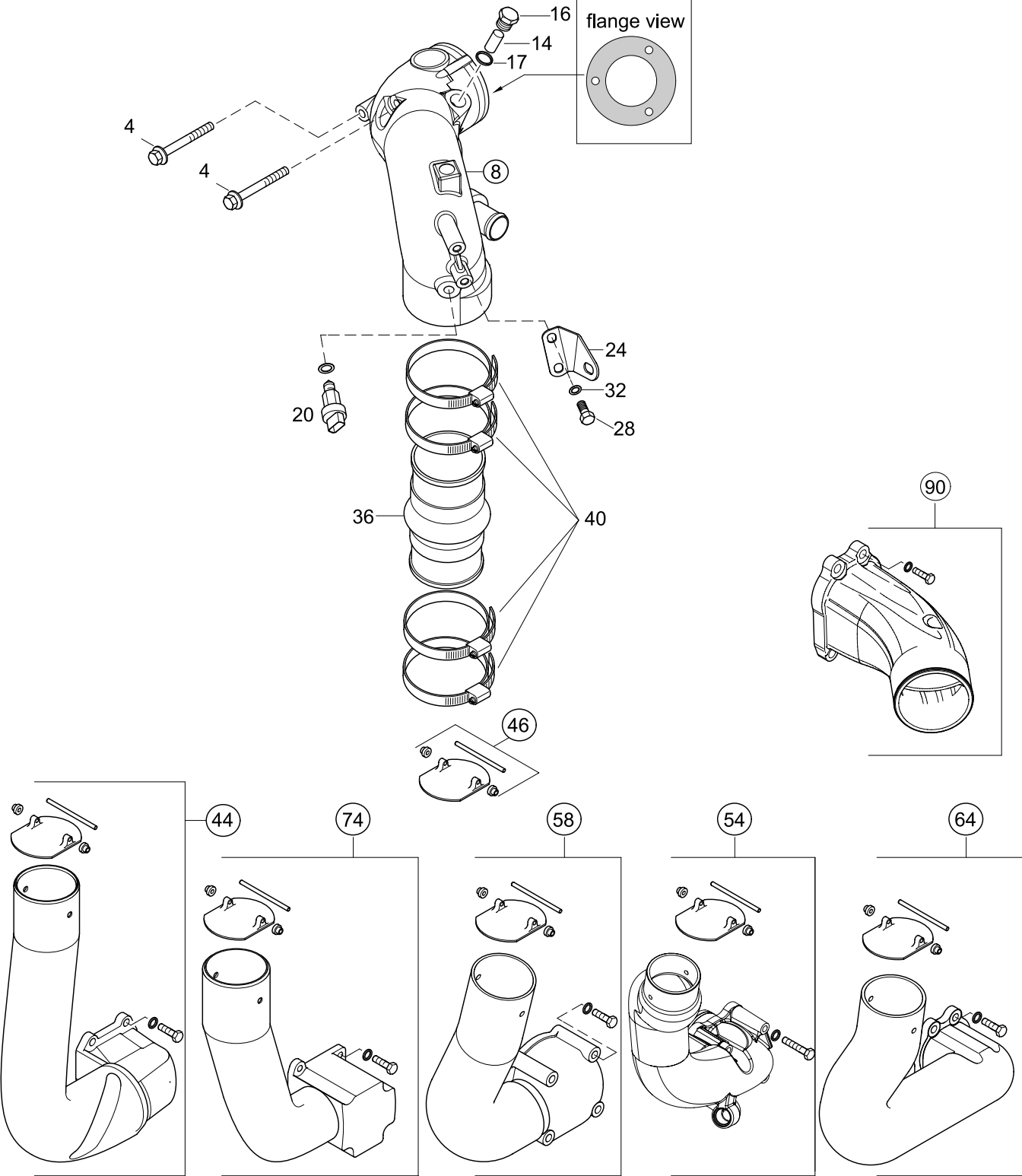


TA 0401

144 MARINE
TURBO DIESEL
+ SOLAS

HIGH RISER, EXHAUST PIPE (ONLY FOR MO144V38)

04014084-0



04014084-0

Z001005-0 10





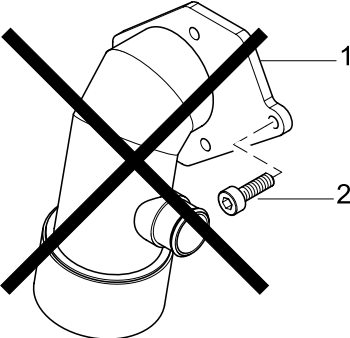
TA 0401

144 MARINE
TURBO DIESEL
+ SOLAS

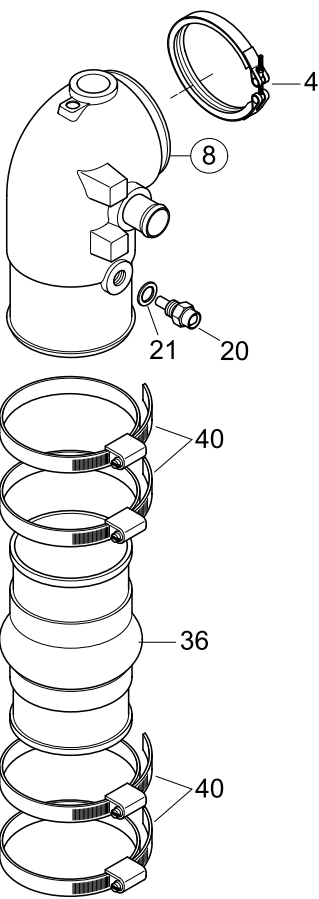
HIGH RISER, EXHAUST PIPE (ONLY FOR MO144M38)

04014094-0

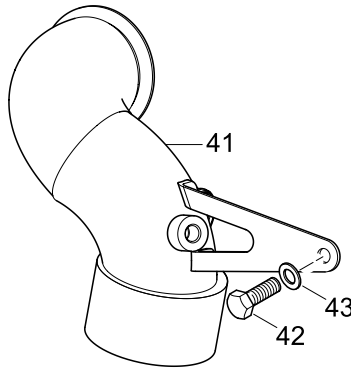
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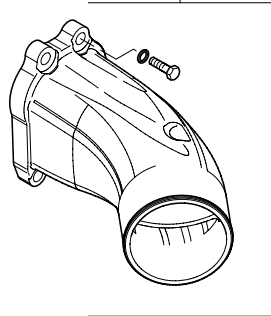
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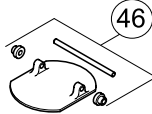
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90



46



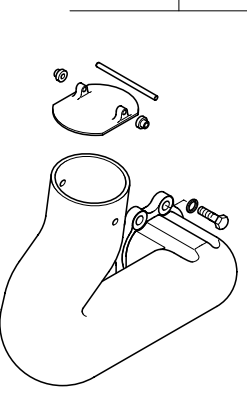
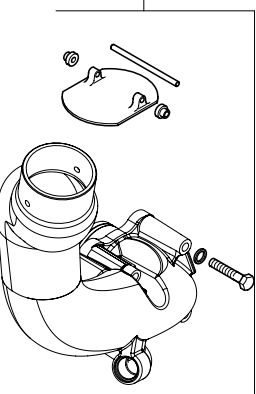
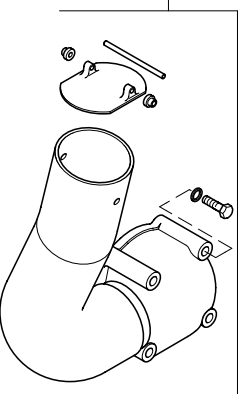
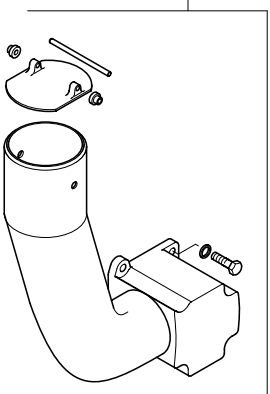
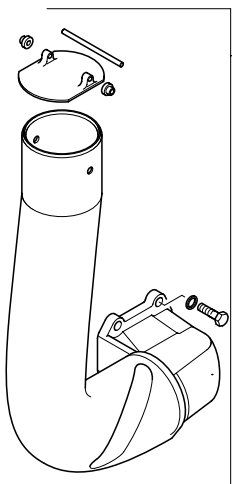
44

74

58

54

64



144 MARINE
TURBO DIESEL
+ SOLAS

04014094-0

Z001005-0 10



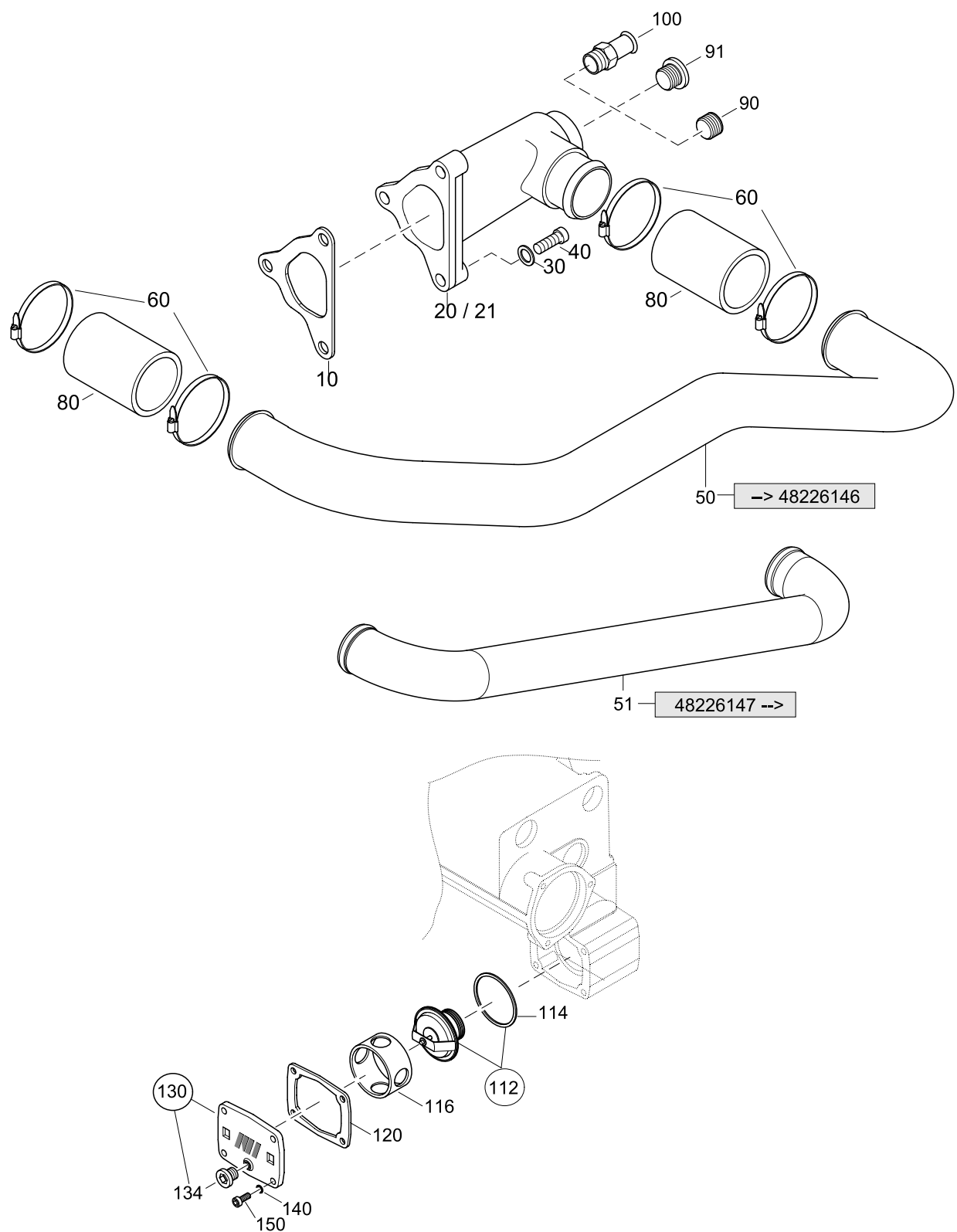


TA 0503

144 MARINE
TURBO DIESEL
+ SOLAS

WATERPIPE, THERMOSTAT

05034084-0



WATERPIPE, THERMOSTAT

144 MARINE
TURBO DIESEL
+ SOLAS

05034084-0

[illegible]

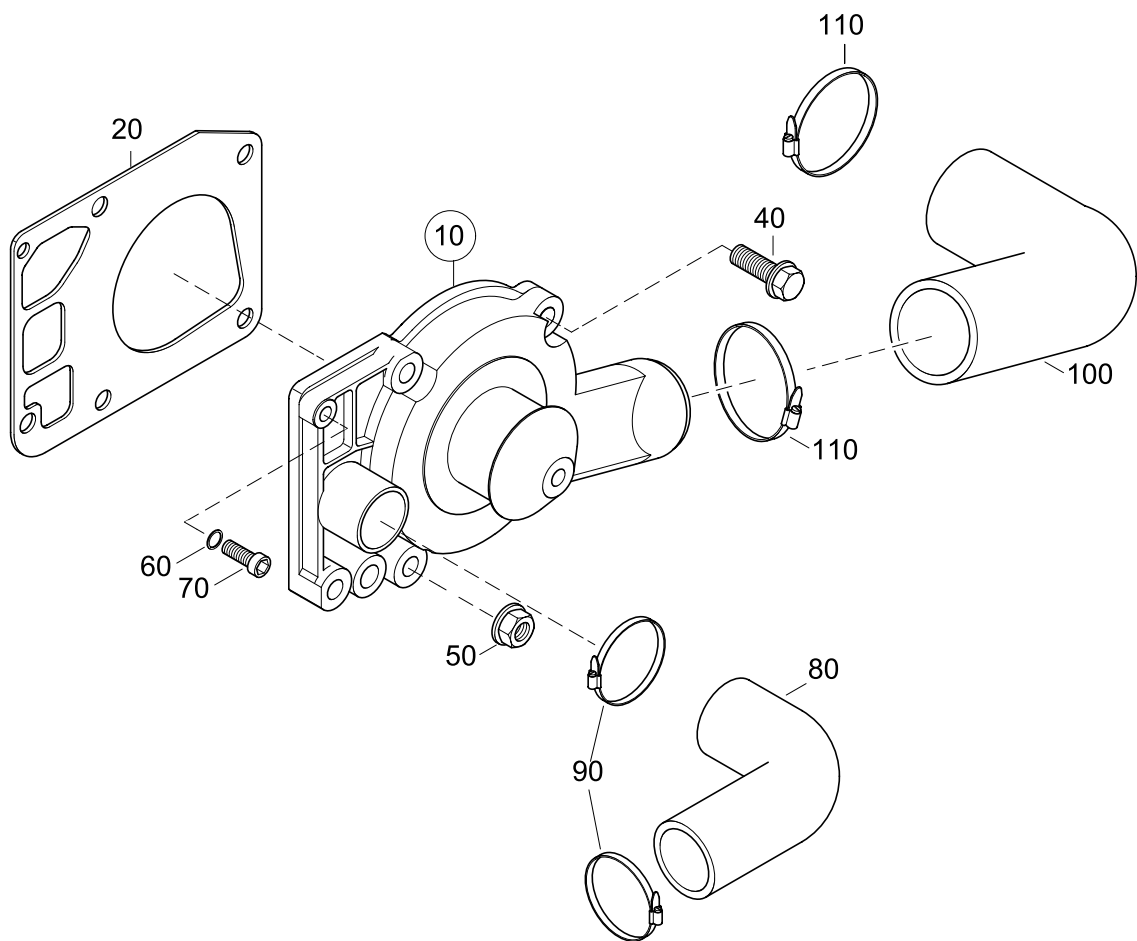


TA 0504

144 MARINE
TURBO DIESEL
+ SOLAS

WATERPUMP

05044084-0



144 MARINE
TURBO DIESEL
+ SOLAS

05044084-0

Z001005-0_10



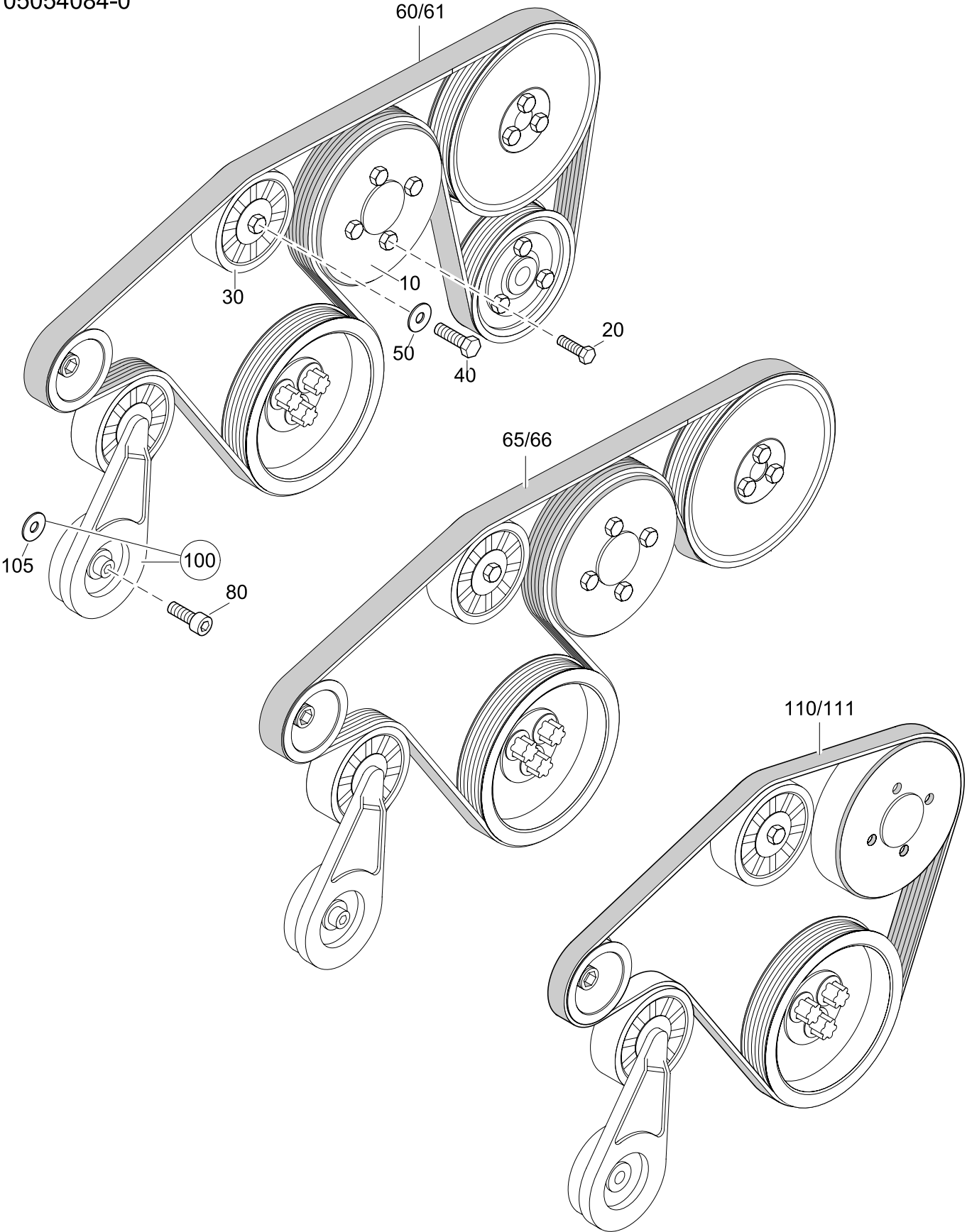


TA 0505

144 MARINE
TURBO DIESEL
+ SOLAS

DRIVE BELTS, PULLEYS, TENSIONER

05054084-0



144 MARINE
TURBO DIESEL
+ SOLAS

05054084-0

Z001005-0 10



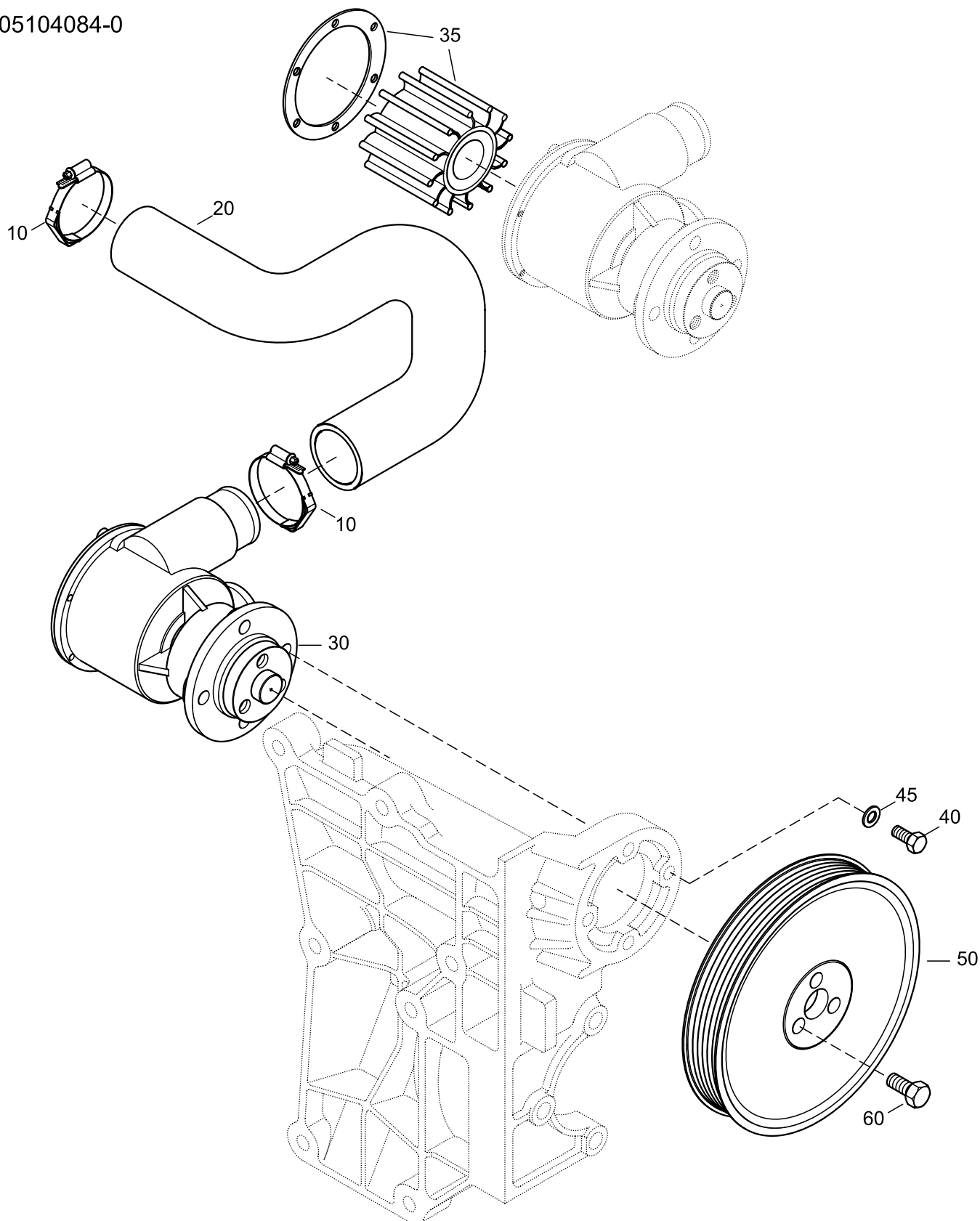


TA 0510

144 MARINE
TURBO DIESEL
+ SOLAS

RAW WATER PUMP

05104084-0



RAW WATER PUMP

144 MARINE
TURBO DIESEL
+ SOLAS

05104084-0

[illegible]

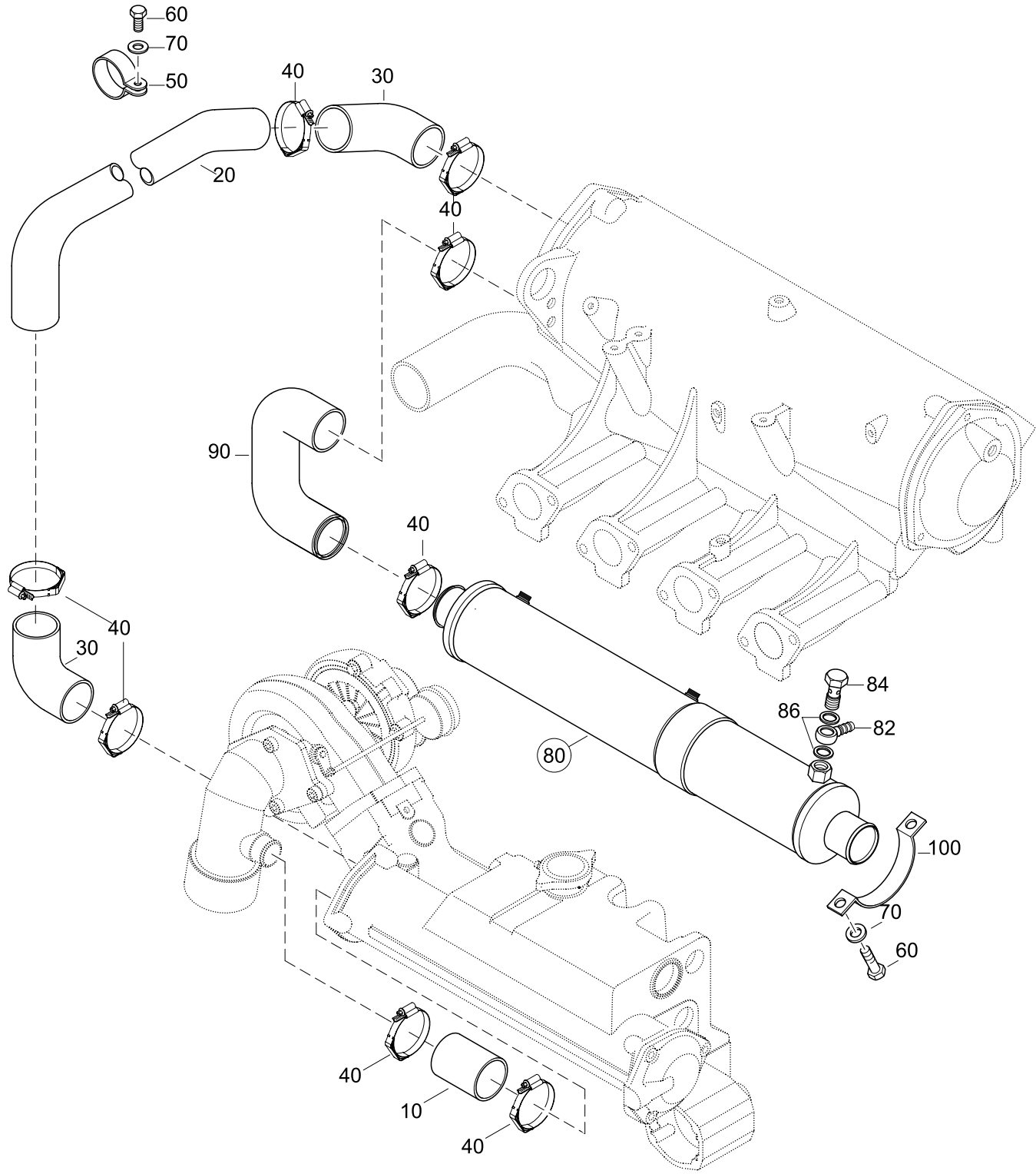


TA 0512

144 MARINE
TURBO DIESEL
+ SOLAS

RAW WATER PIPES, FUEL/OIL COOLER

05124084-0



144 MARINE
TURBO DIESEL
+ SOLAS

05124084-0

Z001005-0 10





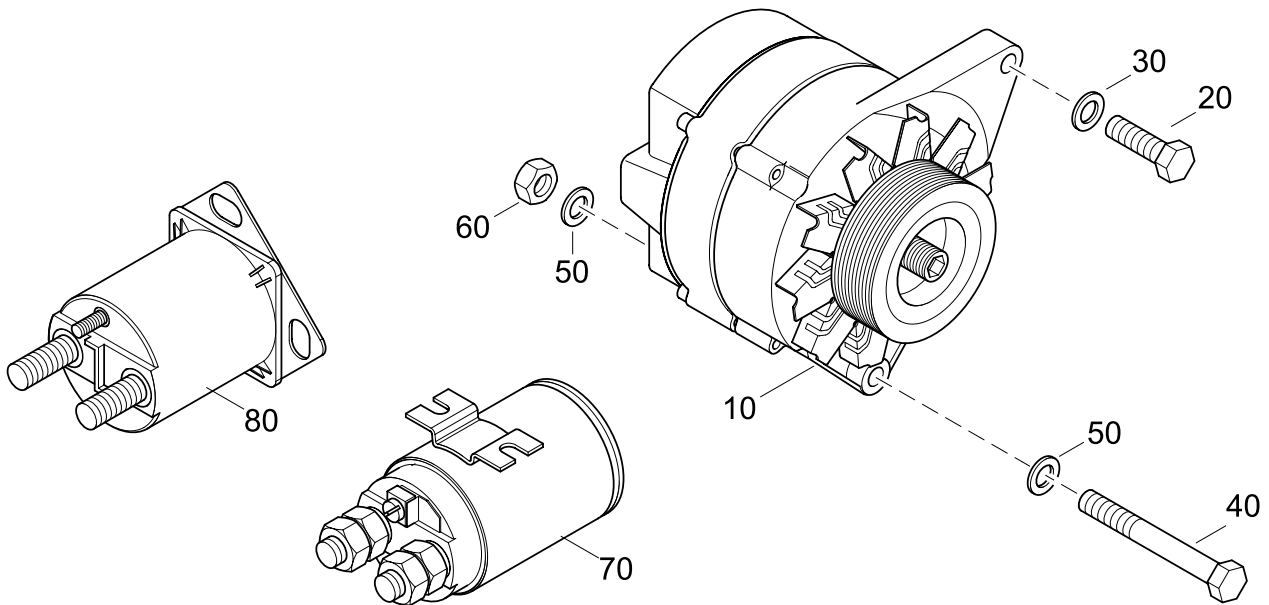
TA 0601

144 MARINE
TURBO DIESEL
+ SOLAS

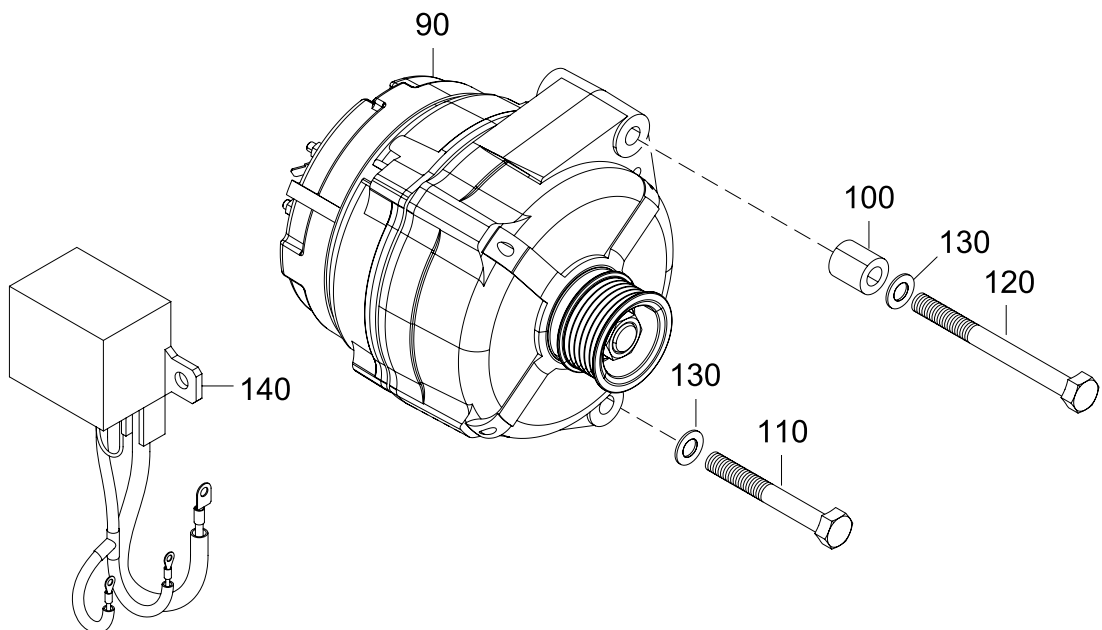
ALTERNATOR

06014084-0

TILL --> 482330249



FROM 482330250 -->



144 MARINE
TURBO DIESEL
+ SOLAS

06014084-0

Z001005-0 10



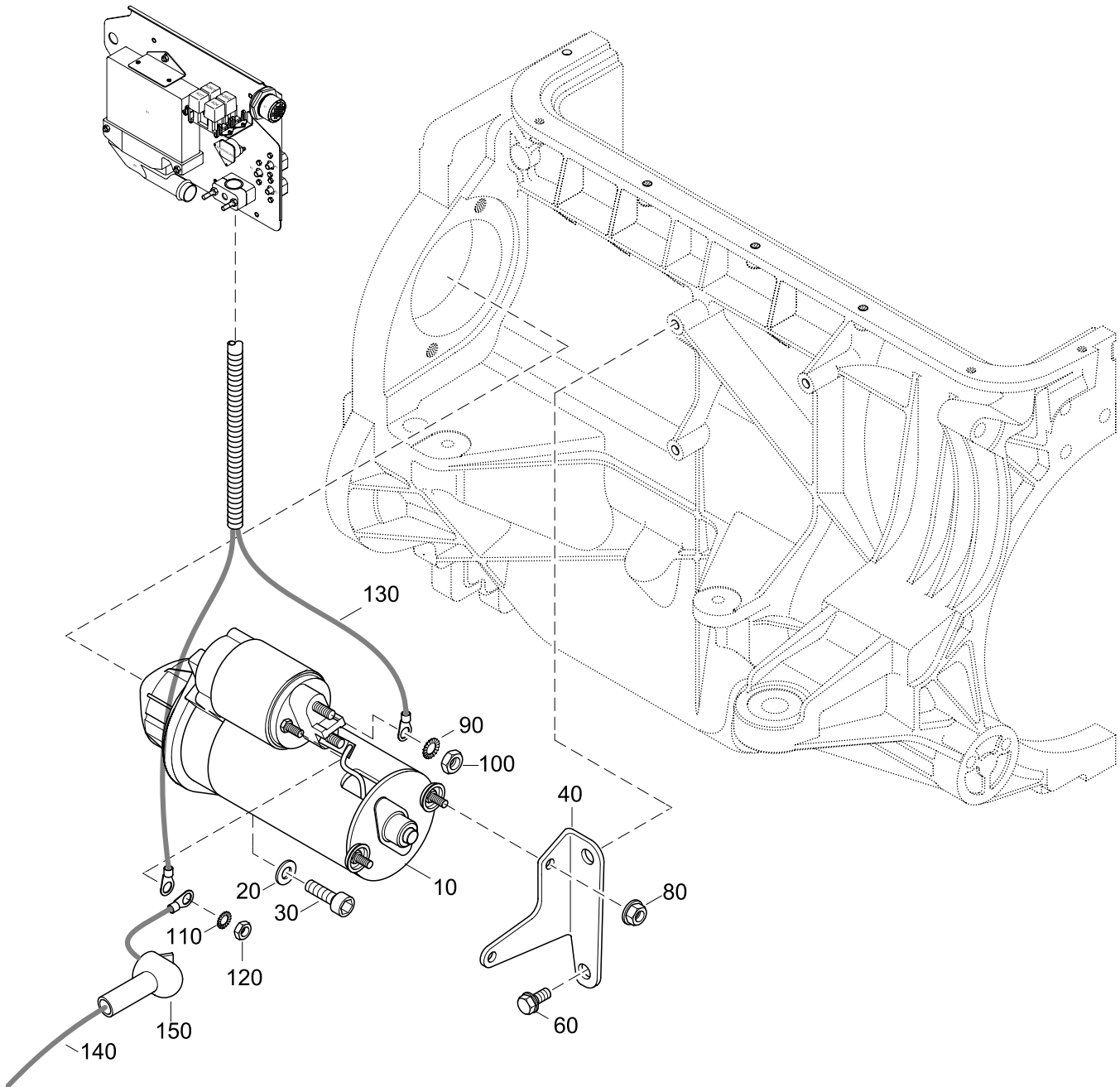


TA 0603

144 MARINE
TURBO DIESEL
+ SOLAS

STARTING

06034084-0



STARTING

144 MARINE
TURBO DIESEL
+ SOLAS

06034084-0

[illegible]

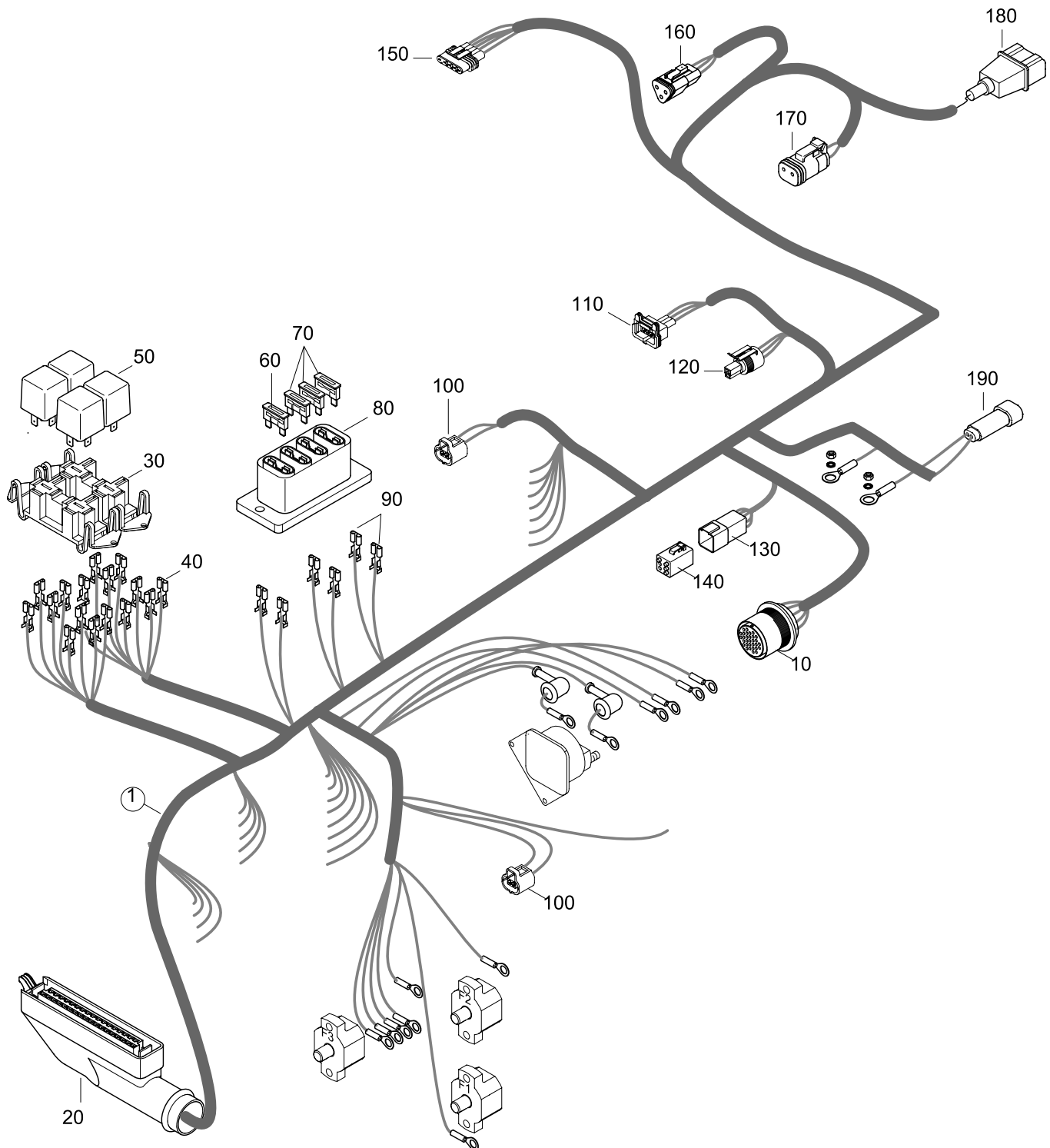


TA 0605

144 MARINE
TURBO DIESEL
+ SOLAS

ENGINE HARNESS -->48221066

06054084-0



144 MARINE
TURBO DIESEL
+ SOLAS

06054084-0

Z001005-0 10



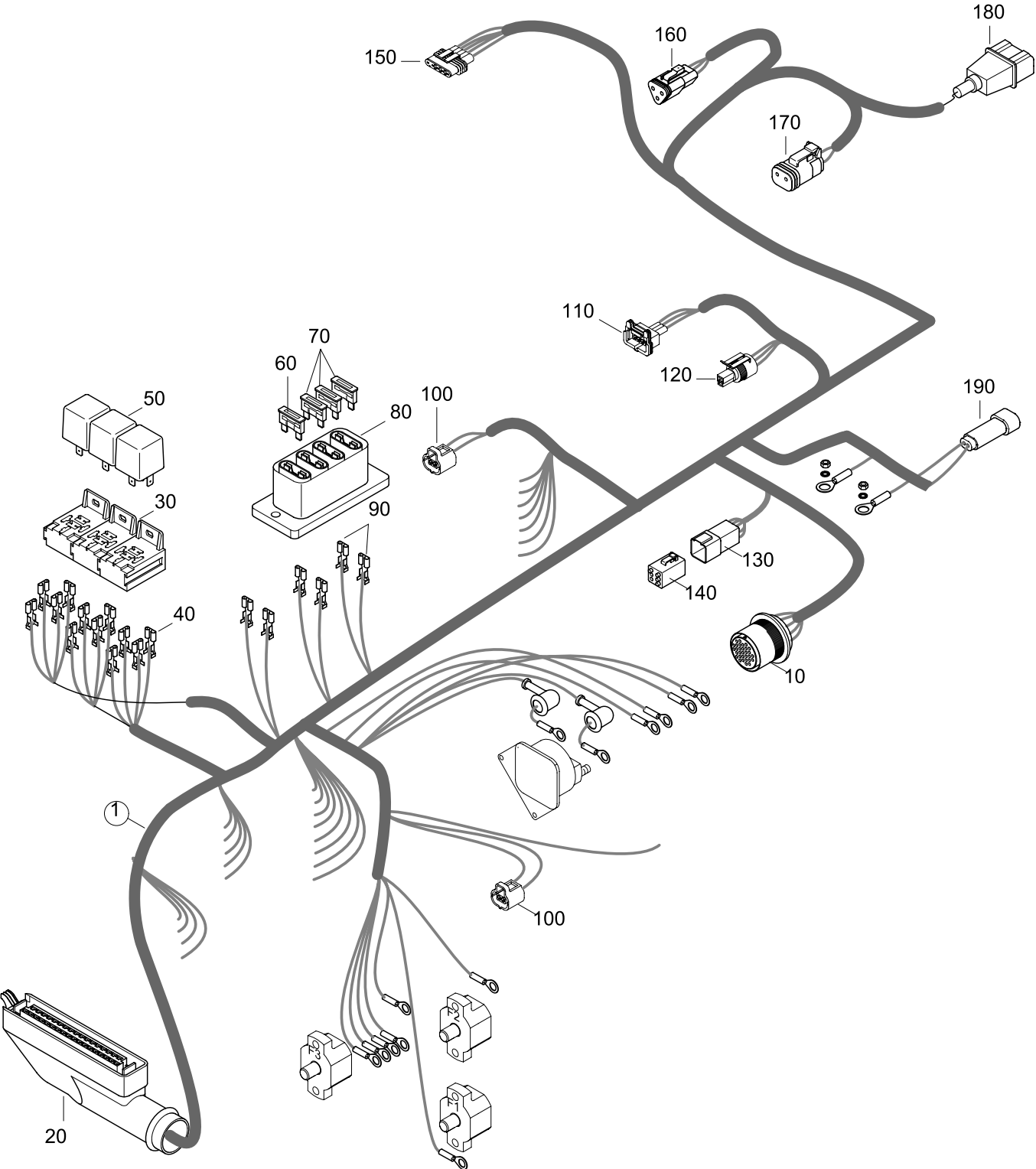


TA 0605

144 MARINE
TURBO DIESEL
+ SOLAS

ENGINE HARNESS 48221067 --> 48226999

06054084-1



ENGINE HARNESS 48221067 --> 48226999

144 MARINE
TURBO DIESEL
+ SOLAS

06054084-1

[illegible]

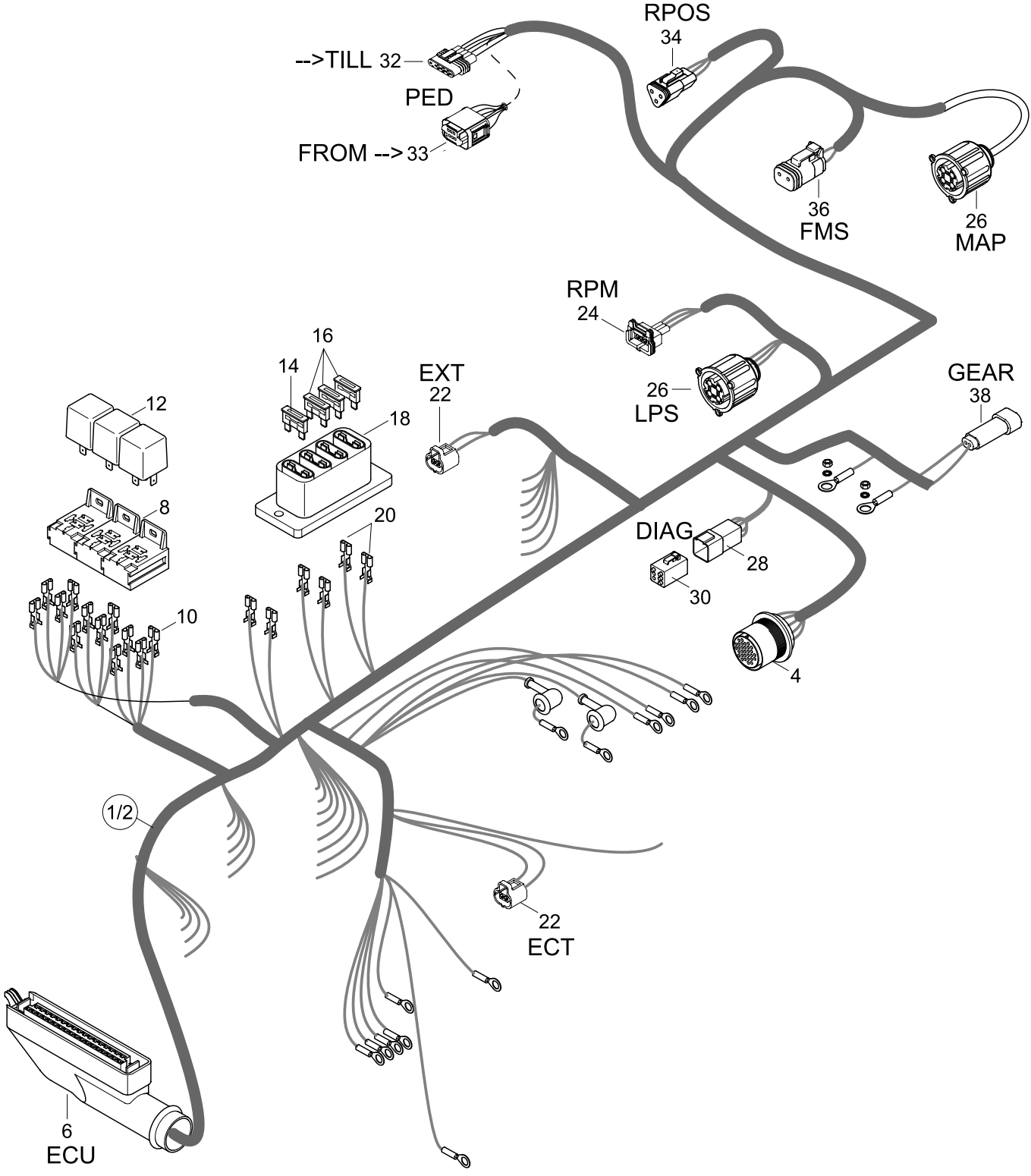


TA 0605

144 MARINE
TURBO DIESEL
+ SOLAS

ENGINE HARNESS 48227001-->

06054084-2



144 MARINE
TURBO DIESEL
+ SOLAS

06054084-2

Z001005-0 10



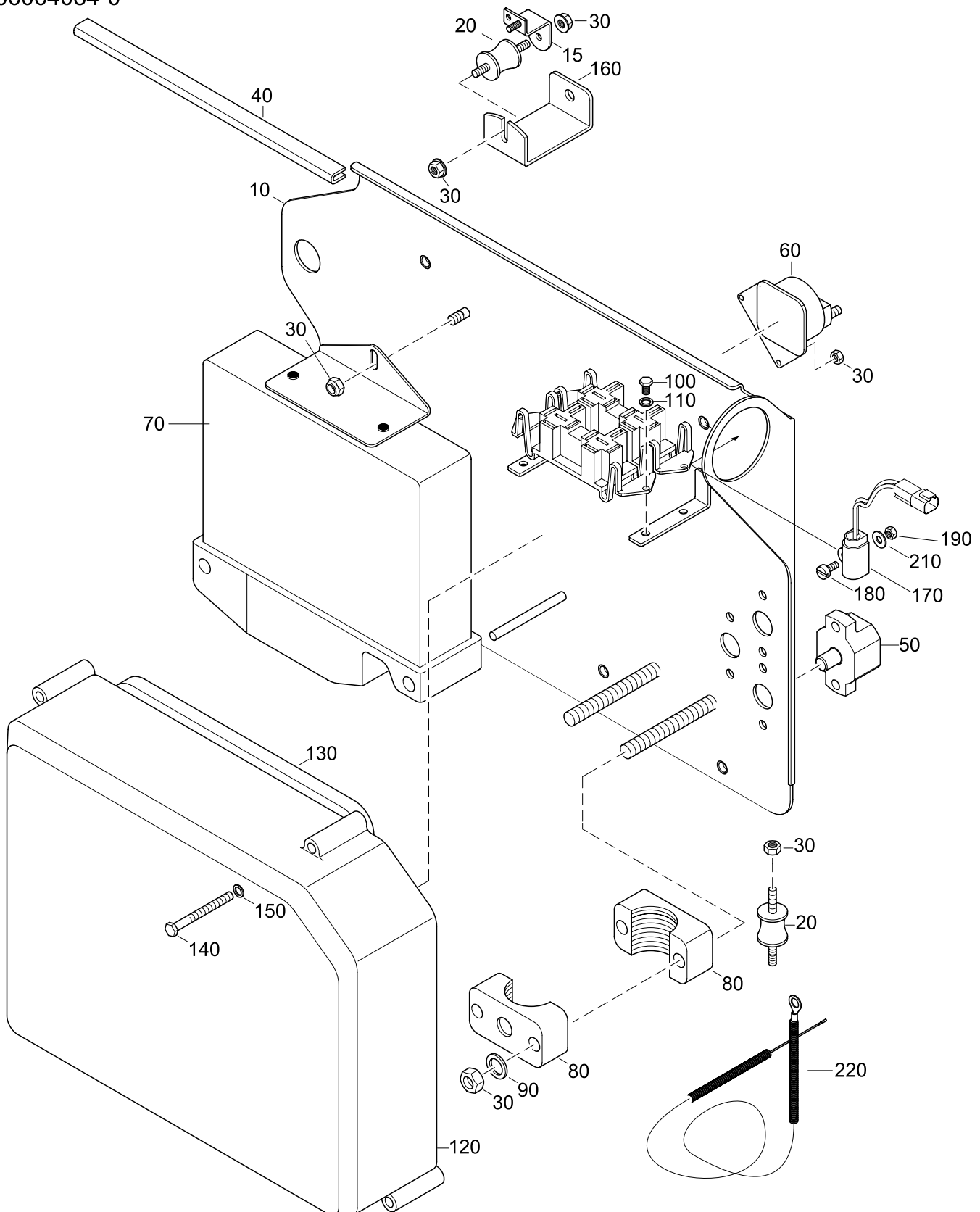


TA 0606

144 MARINE
TURBO DIESEL
+ SOLAS

SECURETYSYSTEM, FUSES, ECU, E-BOX --> 48221066

06064084-0



SECURETYSYSTEM, FUSES, ECU, E-BOX --> 48221066

144 MARINE
TURBO DIESEL
+ SOLAS

06064084-0

[illegible]

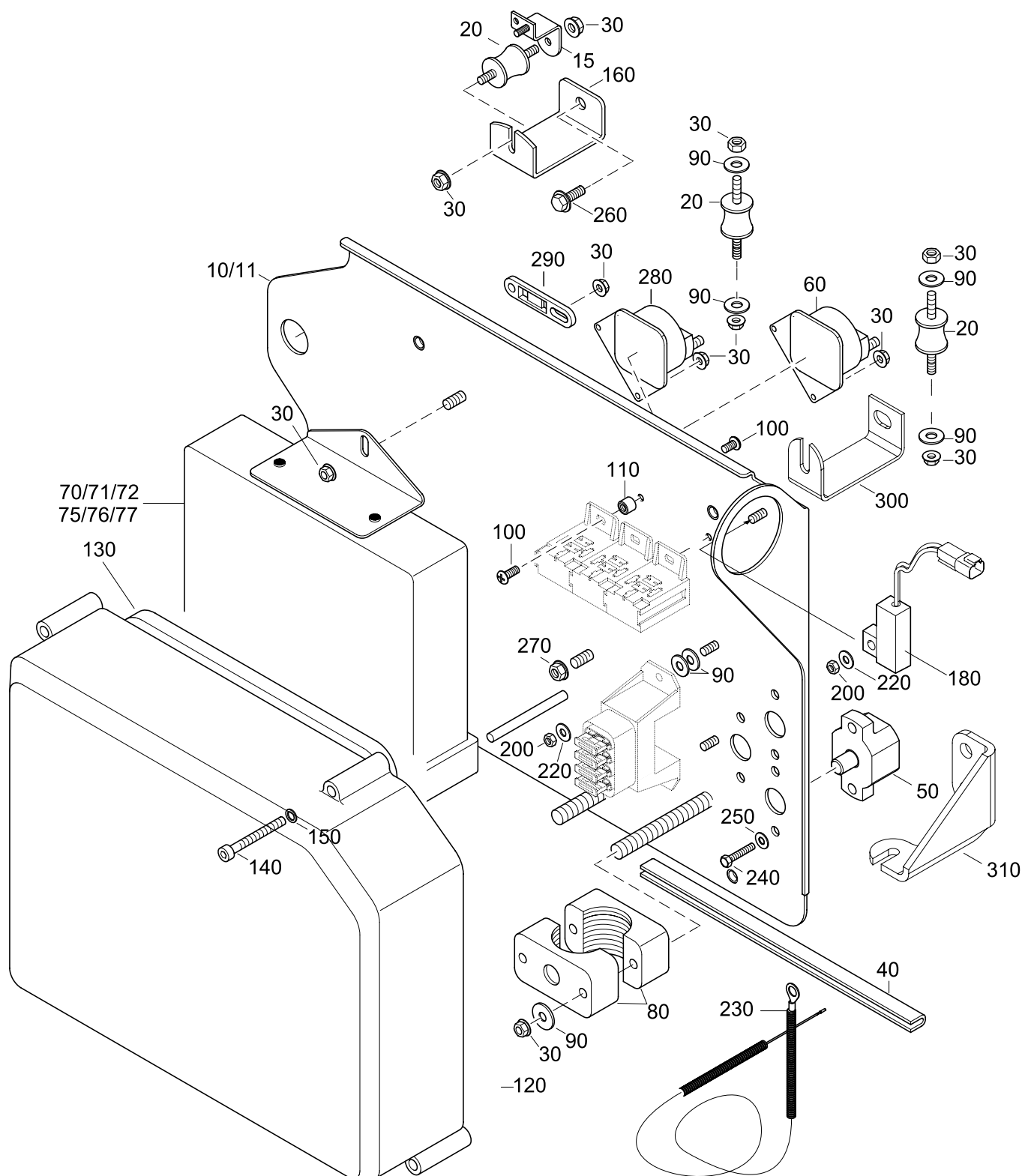


TA 0606

144 MARINE
TURBO DIESEL
+ SOLAS

SECURETYSYSTEM, FUSES, ECU, E-BOX 48221067-->

06064084-1



SECURETYSYSTEM, FUSES, ECU, E-BOX 48221067-->

144 MARINE
TURBO DIESEL
+ SOLAS

06064084-1

Pos.	Part.-No.	Qty	Designation	Step
10	2203723-1	1	BASE PLATE -->482330249	.1
11	2204051-0	1	BASE PLATE 482330250-->	.1
15	2203723-B	1	BRACKET BASEPLATE	..2
20	2203744-0	4	RUBBER MOUNT	.1
30	3880049-0	13	HEX.FLANGE NUT EN 1661-M6-A4-70	.1
40	2173329-0	0,2m	EDGE PROTECTOR	.1
50	O913774-0	3	AUTOMATIC CIRCUIT BREAKER 50A	.1
60	9000187-0	1	SOLENOID STARTER	.1
70	2176821-0	1	ECU 144 VTI 106kW-3800rpm -->48226999	.1
71	2176844-3	1	ECU 144 VTI 106kW-3800rpm 48227001-->48228136	.1
72	2176844-6	1	ECU 144 VTI 106kW-3800rpm 48228137-->	.1
75	2176821-6	1	ECU 144 MHI 106kW-3800rpm -->48226999	.1
76	2176844-2	1	ECU 144 MHI 106kW-3800rpm 48227001-->482330249	.1
77	2176844-F	1	ECU 144 MHI 106kW-3800rpm 482330250-->	.1
80	2203753-0	2	CLAMP, FASTEN ENGINE-HARNESS	.1
90	9000012-0	10	WASHER ISO 7093-6.4-140HV-A2	.1
100	9000215-1	4	CHEESE HD.SCR. ISO 7045-M5x6-A2-50-H	.1
110	2179004-0	2	SILENT BLOCK M5	.1
120	2203720-0	1	COVERING, ENGINE ELECTRIC	.1
130	2171410-1	1	SEAL, COVERING ENGINE ELECTRIC	.1
140	9000003-0	5	HEX.SOCK. SCR. ISO 4762-M5x55-A2-70	.1
150	3930069-0	5	WASHER ISO 7089-5-A4-200HV	.1
160	2203724-0	2	SUPPORT BASE PLATE	.1
180	2178971-G	1	INVERSION-SWITCH ASSY	.1
200	3870050-0	3	HEX.NUT ISO 4032-M5-A2-70	.1
220	3930069-0	3	WASHER ISO 7089-5-A4-200HV	.1
230	2178975-0	1	CABLE INVERSION-SWITCH SOLAS	.1
240	9000424-0	6	HEX.HD.SCR. ISO 4017-8/32UNCx20-A2-70	.1
250	3930072-0	6	WASHER LA. SERIES ISO 7093-4.3-A4-200HV	.1
260	9000305-0	2	BOLT EN1665-M8x20-10.9-FLZNNC-720H-L	.1
270	3880049-0	1	HEX.FLANGE NUT EN 1661-M6-A4-70	.1



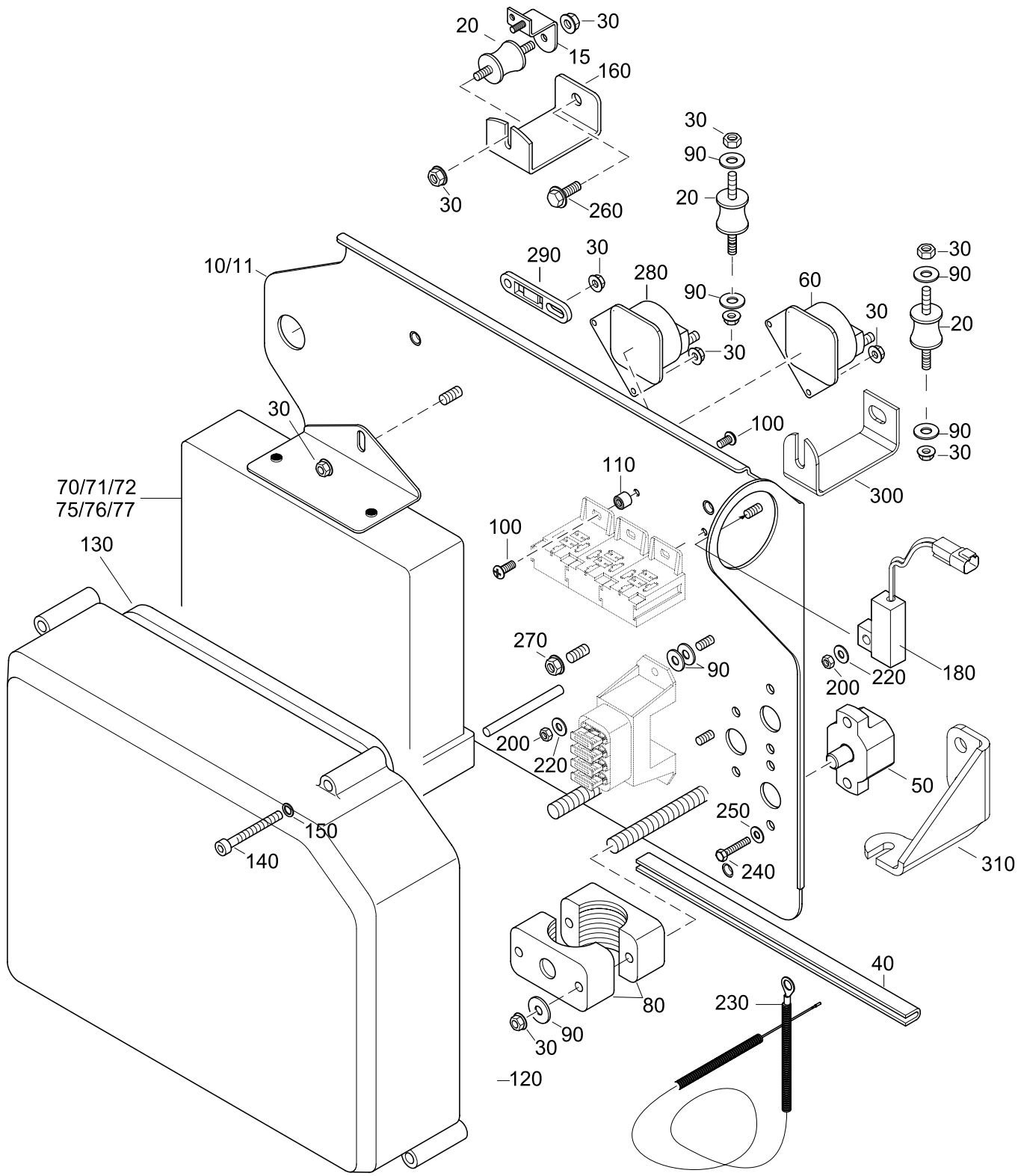


TA 0606

144 MARINE
TURBO DIESEL
+ SOLAS

SECURETYSYSTEM, FUSES, ECU, E-BOX 48221067-->

06064084-1



SECURETYSYSTEM, FUSES, ECU, E-BOX 48221067-->

144 MARINE
TURBO DIESEL
+ SOLAS

06064084-1

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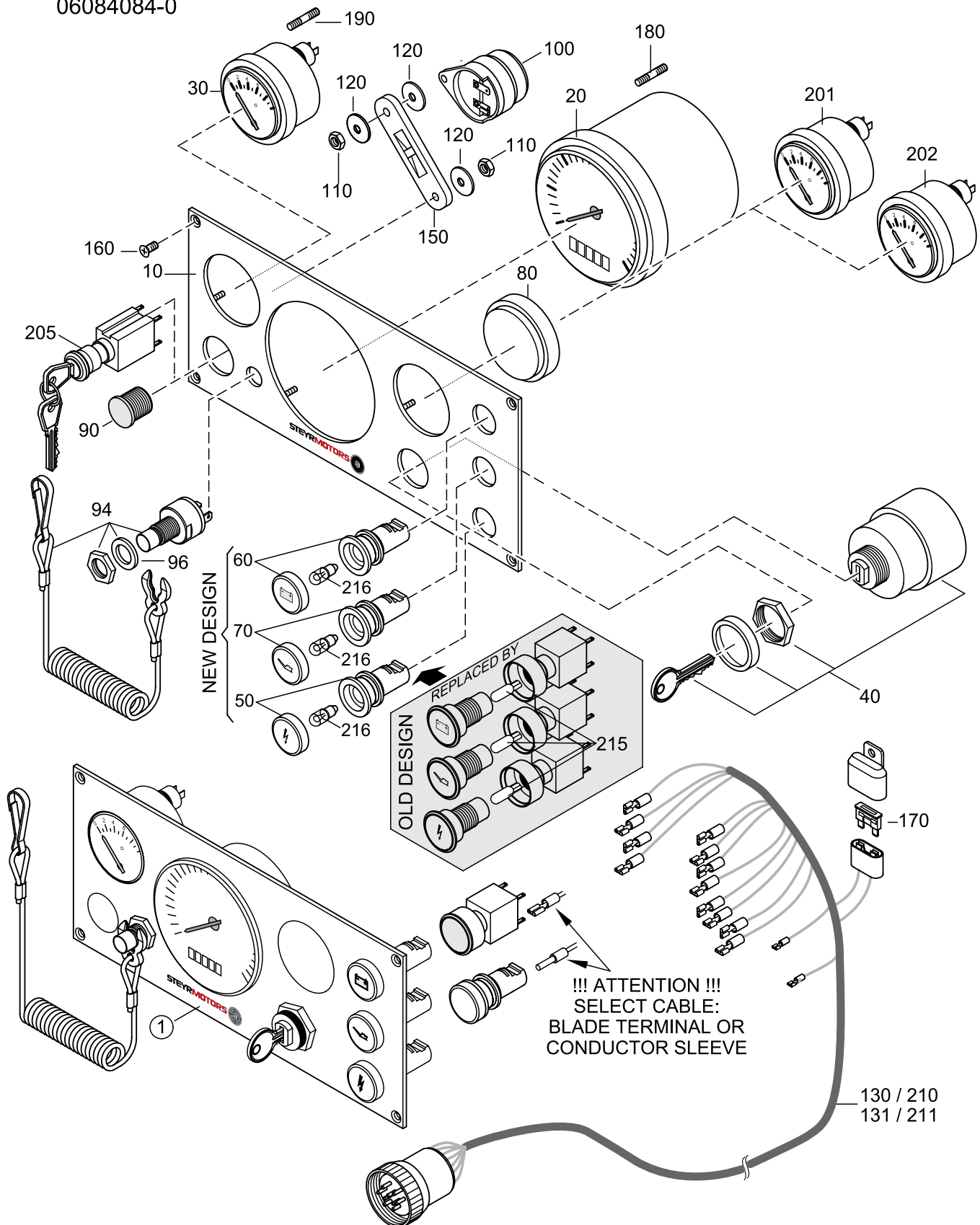


TA 0608

144 MARINE
TURBO DIESEL
+ SOLAS

INSTRUMENTENPANEL (STANDARD) (TILL -->2010)

06084084-0



INSTRUMENTENPANEL (STANDARD) (TILL -->2010)
144 MARINE
TURBO DIESEL
+ SOLAS

06084084-0

Pos.	Part.-No.	Qty	Designation	Step
1	Z002635-0	1	PANEL ASSY.(NO VALID F.ALTER.PRESTOLITE)	.1
10	2178831-3	1	INSTRUMENT PANEL	.2
20	2178756-3	1	REVOLU. & OPERA. HOUR COUNTER	.2
30	2178229-2	1	COOLANT TEMPERATURE GAUGE	.2
40	2178761-4	1	GLOW-START SWITCH ASSY.(SPARE)	.2
50	2179290-0	1	WARNING-LIGHT CHECK ENGI. ASSY	.2
60	2179291-0	1	WARNING-LIGHT BATTERY CHARGE ASSY. 12V	.2
70	2179292-0	1	WARNING-LIGHT ENGINE-OIL ASSY.	.2
80	2178759-2	1	BLIND COVER	.2
90	2179320-0	1	BLIND PLUG	.2
94	Z002073-0	1	EMERGENCY CUTOFF SWITCH KIT	.2
96	2176170-0	1	O-RING 15x2	.2
100	2178760-1	1	HORN AUDIBLE WARNING	.2
110	3870051-0	2	HEX.NUT ISO 4032-M4-A4-70	.2
120	3930072-0	2	WASHER LA. SERIES ISO 7093-4.3-A4-200HV	.2
130	2206290-1	1	CABLE ASSY. INSTR. 7m (BLADE TERMINAL)	.2
131	Z002669-0	1	CABLE ASSY. INSTR. 7m (CONDUCTOR SLEEVE)	.2
160	9000192-0	4	SHEET METAL SCREW ISO 7050-ST3.5x16	.2
170	11345	1	BLADE FUSE 10A	.2
190	2206167-1	1	STUD	.2
201	2178227-2	1	OIL PRESSURE GAUGE 10 BAR (ACCESSORY)	.1
202	2178231-1	1	VOLTMETER 12V (ACCESSORY)	.1
205	2178761-2	1	KEY-SWITCH CONSTANT REVOLUTION (ACCESS.)	.1
210	2206290-4	1	CABLE ASSY. INSTR. 1,5m (BLADE TERMINAL)	.1
211	Z002670-0	1	CABLE ASSY. INSTR. 1.5m (CONDUCT. SLEEVE)	.1
215	2178242-4	3	GLASS SOCKET LAMP 12V 2W x 4,6D (OLD DESIGN)	.1
216	2179162-0	3	MINIATUR LAMP 12V/2W 10x28 (NEW DESIGN)	.1



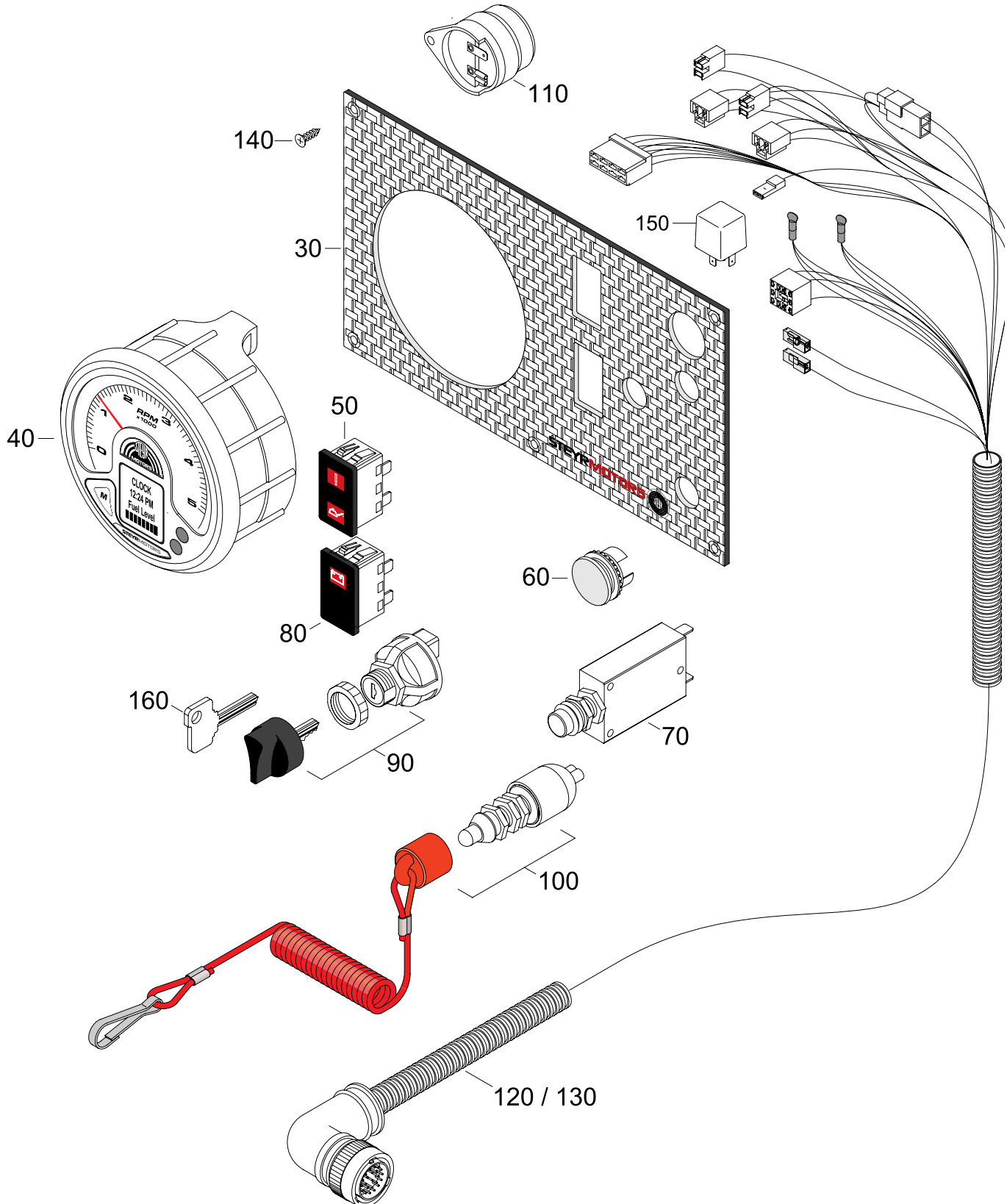


TA 0607

144 MARINE
TURBO DIESEL
+ SOLAS

INSTRUMENTENPANEL (STANDARD) (2010 - 2013/08)

06072184-1



144 MARINE
TURBO DIESEL
+ SOLAS

06072184-1

Z001005-0 10



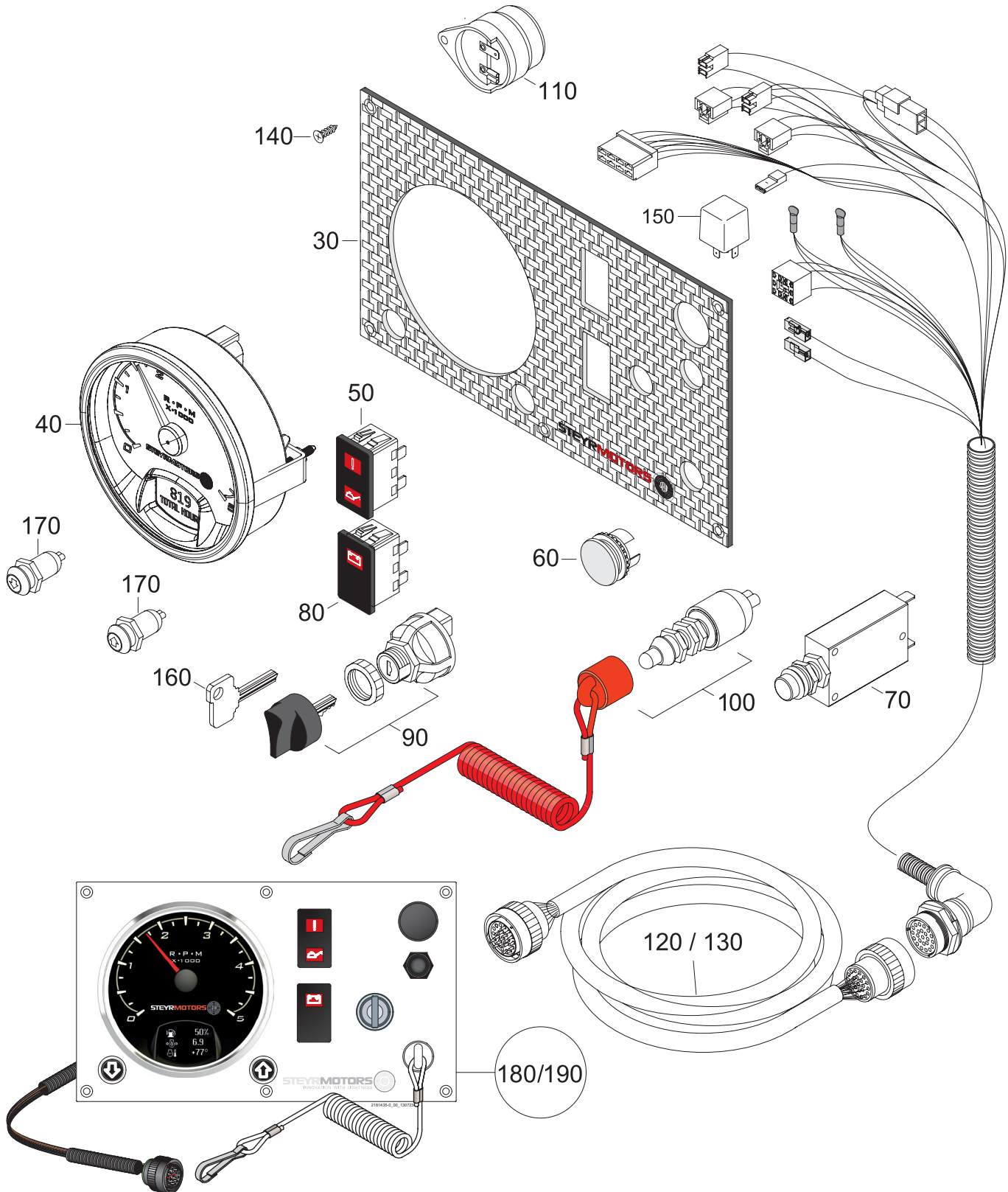


TA 0607

144 MARINE
TURBO DIESEL
+ SOLAS

INSTRUMENTENPANEL (STANDARD) (FROM 2013/08-->)

06072184-2



INSTRUMENTENPANEL (STANDARD) (FROM 2013/08-->)

144 MARINE
TURBO DIESEL
+ SOLAS

06072184-2

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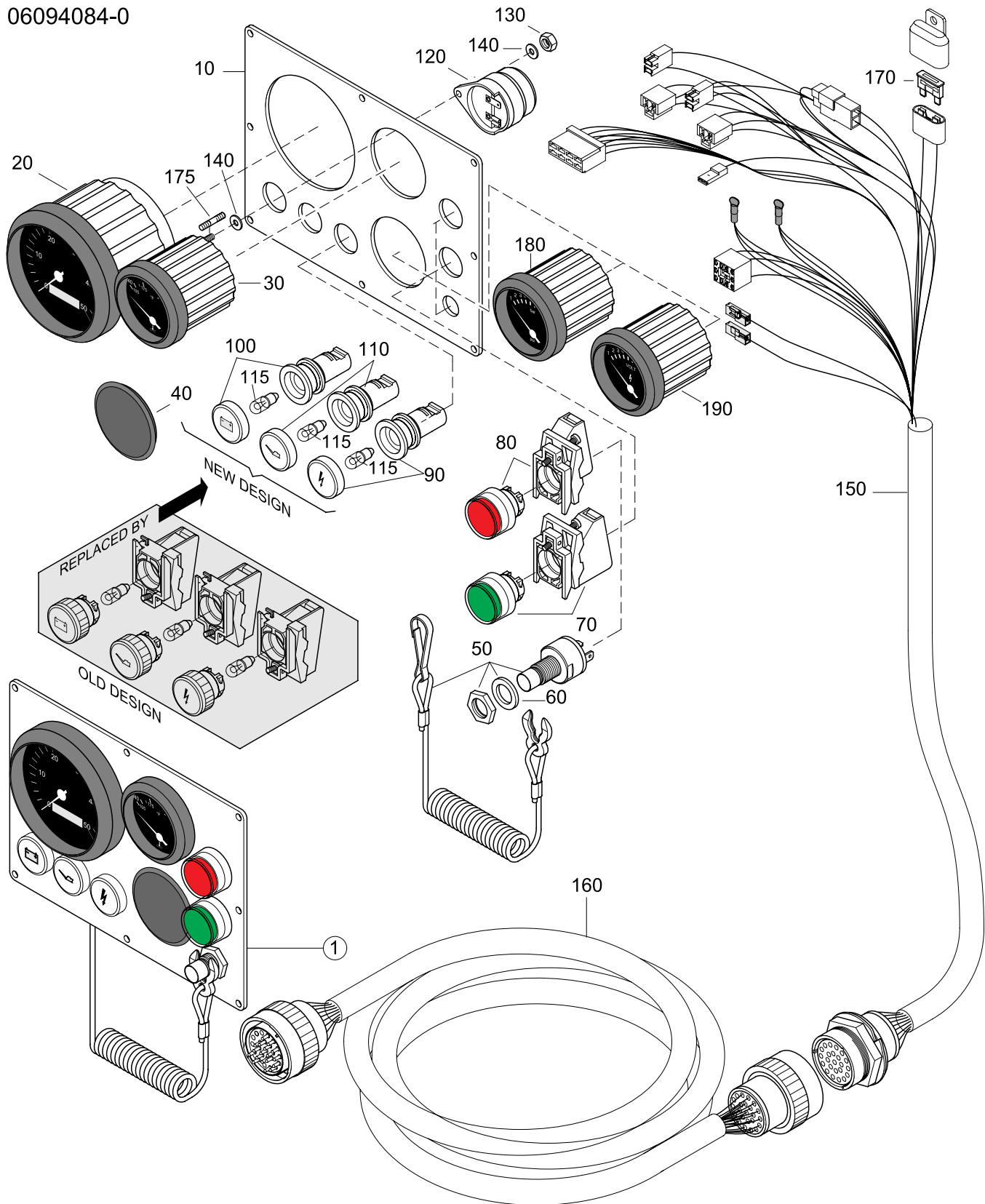


TA 0609

144 MARINE
TURBO DIESEL
+ SOLAS

INSTRUMENTENPANEL SOLAS (TILL -->2010)

06094084-0



INSTRUMENTENPANEL SOLAS (TILL -->2010)

144 MARINE
TURBO DIESEL
+ SOLAS

06094084-0

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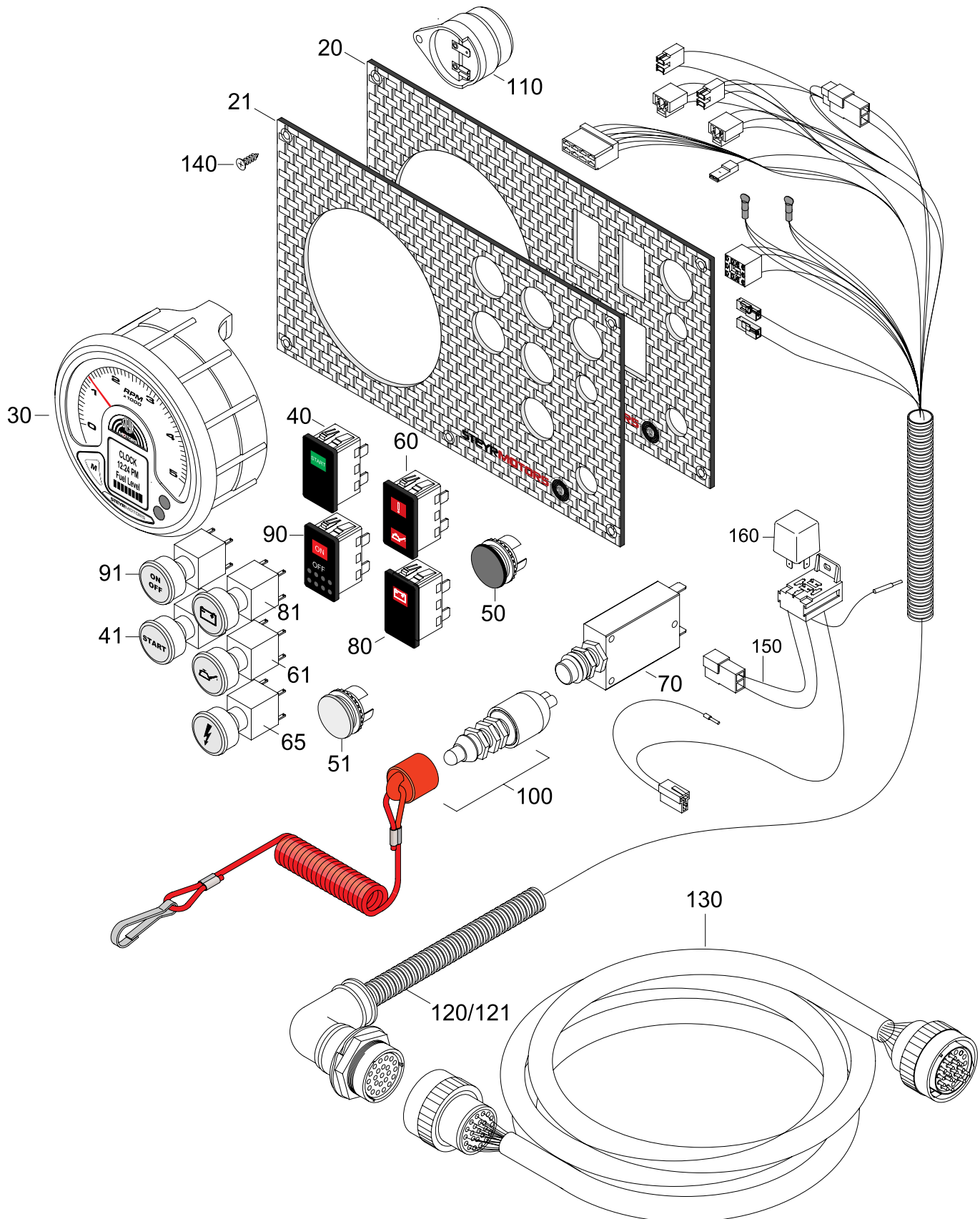


TA 0609

144 MARINE
TURBO DIESEL
+ SOLAS

INSTRUMENTENPANEL SOLAS (2010 - 2013/08)

06092184-1



INSTRUMENTENPANEL SOLAS (2010 - 2013/08)

144 MARINE
TURBO DIESEL
+ SOLAS

06092184-1

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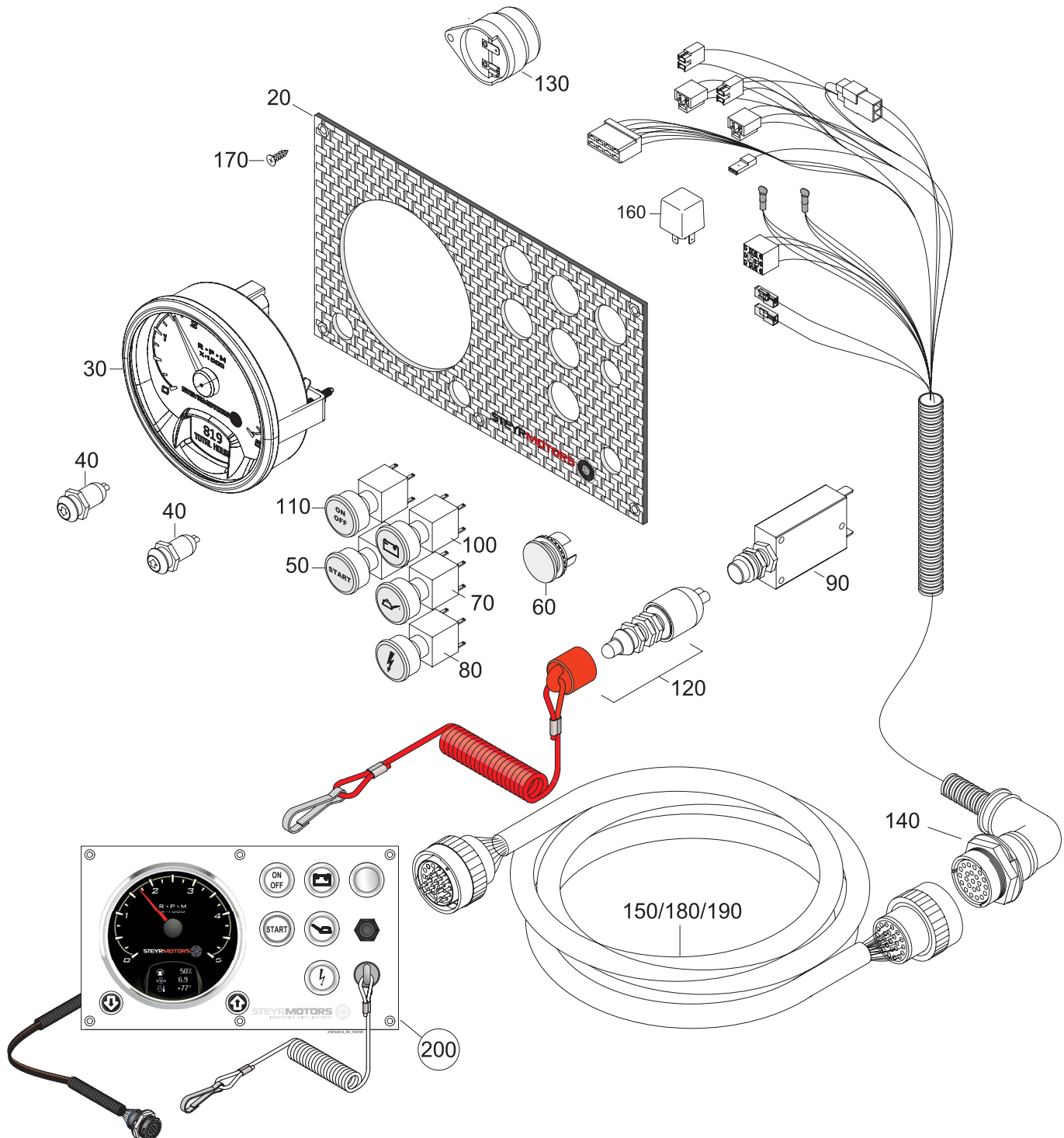


TA 0609

144 MARINE
TURBO DIESEL
+ SOLAS

INSTRUMENTENPANEL SOLAS (FROM 2013/08-->)

06092184-5



INSTRUMENTENPANEL SOLAS (FROM 2013/08-->)

144 MARINE
TURBO DIESEL
+ SOLAS

06092184-5

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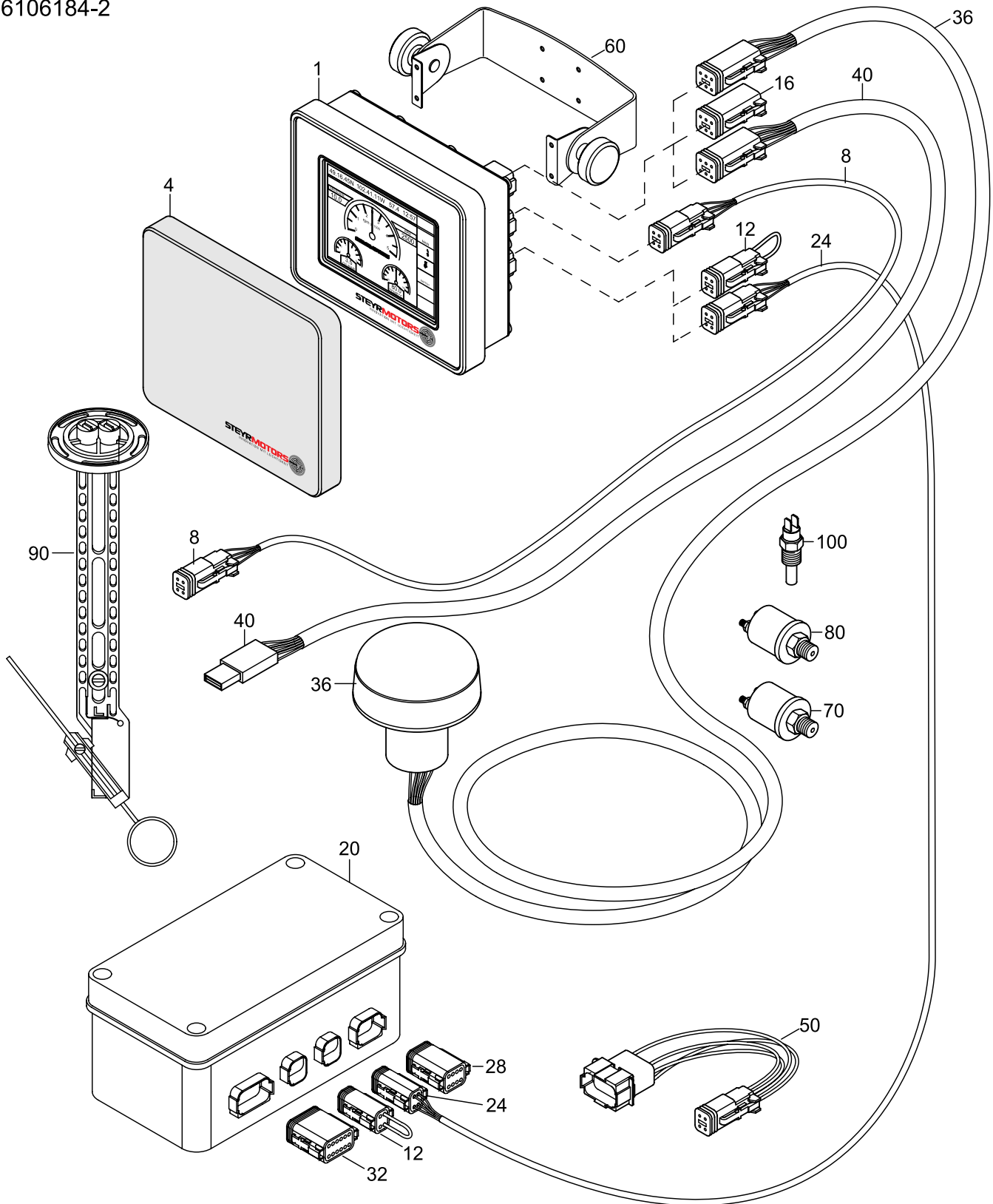


TA 0610

144 MARINE
TURBO DIESEL
+ SOLAS

DISPLAY (ACCESSORY)

06106184-2



144 MARINE
TURBO DIESEL
+ SOLAS

06106184-2

Z001005-0 10



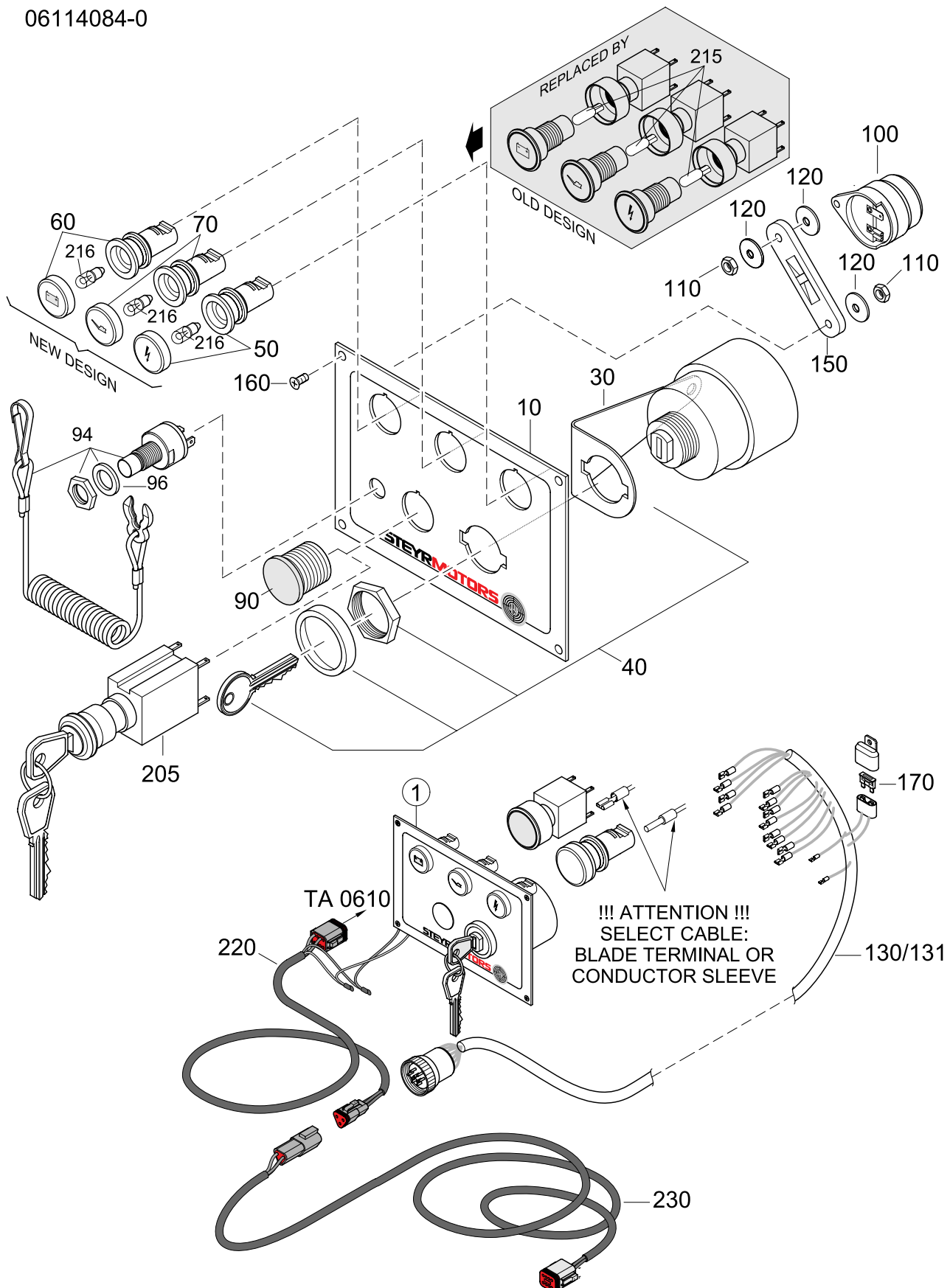


TA 0611

144 MARINE
TURBO DIESEL
+ SOLAS

SWITCH PANEL FOR DISPLAY TILL -->2010

06114084-0



SWITCH PANEL FOR DISPLAY TILL -->2010

144 MARINE
TURBO DIESEL
+ SOLAS

06114084-0

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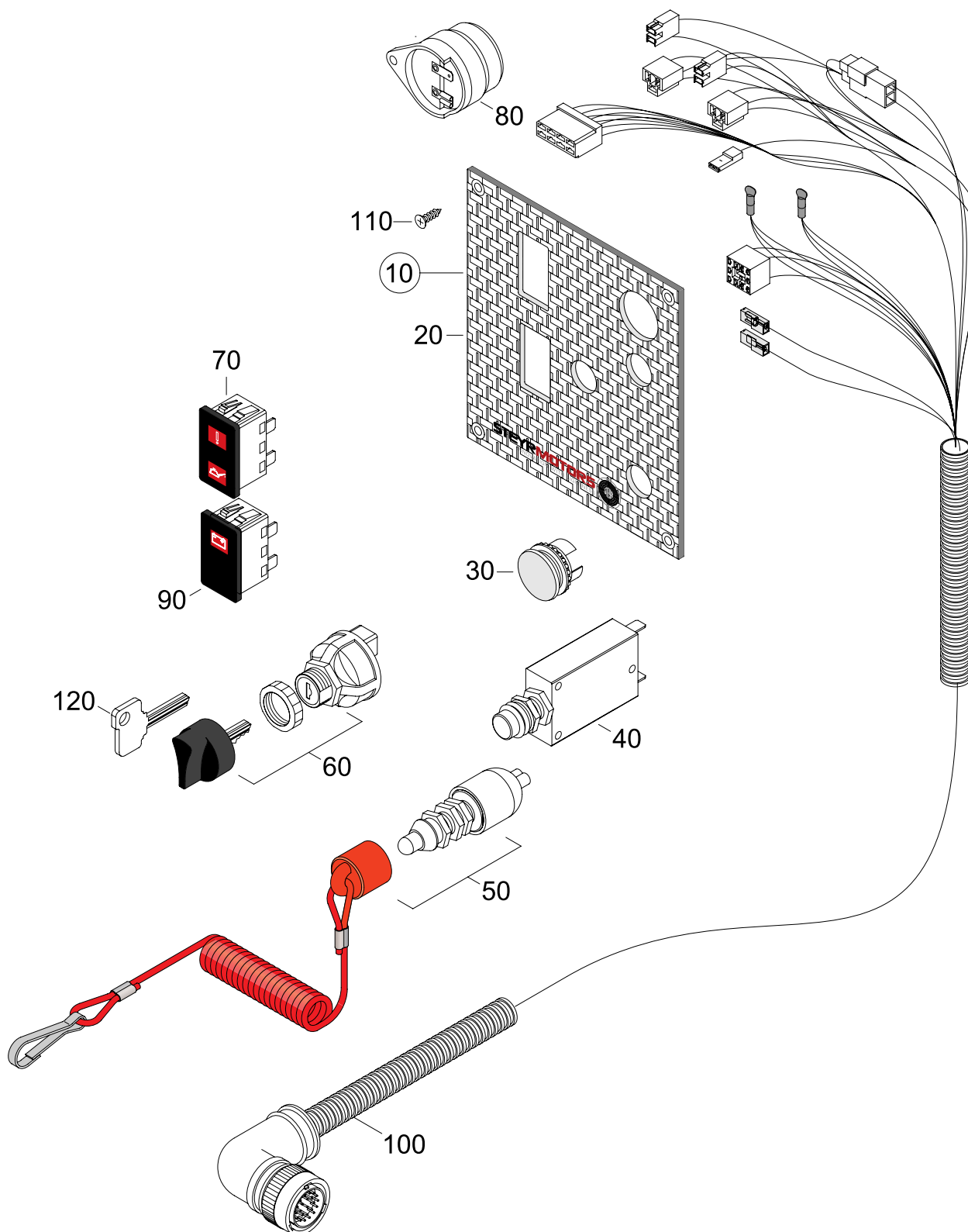


TA 0611

144 MARINE
TURBO DIESEL
+ SOLAS

SWITCH PANEL FOR DISPLAY FROM 2010-->

06112184-1



144 MARINE
TURBO DIESEL
+ SOLAS

06112184-1

Z001005-0 10



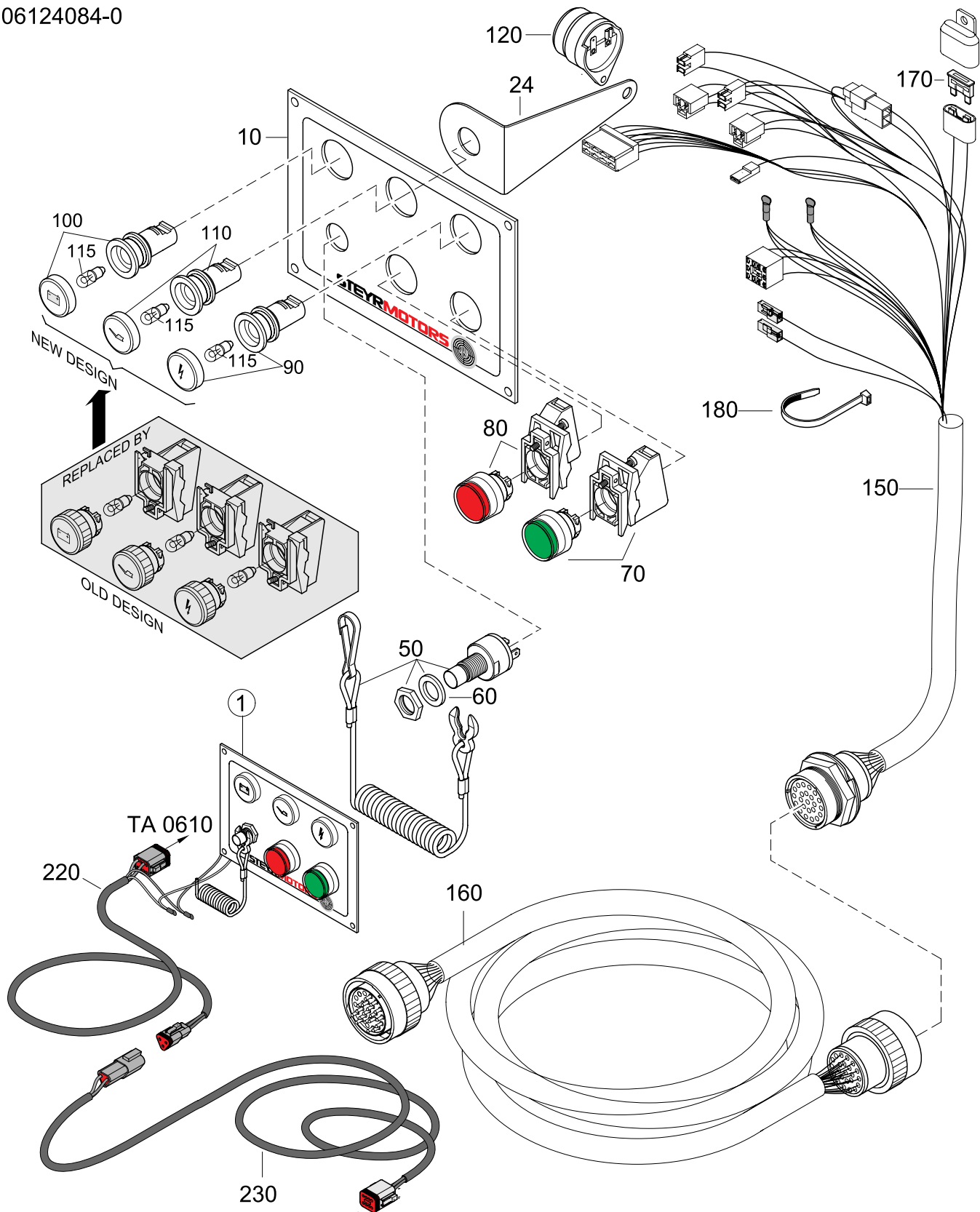


TA 0612

144 MARINE
TURBO DIESEL
+ SOLAS

PUSH BUTTON PANEL SOLAS FOR DISPLAY TILL -->2010

06124084-0



144 MARINE
TURBO DIESEL
+ SOLAS

06124084-0

Z001005-0 10



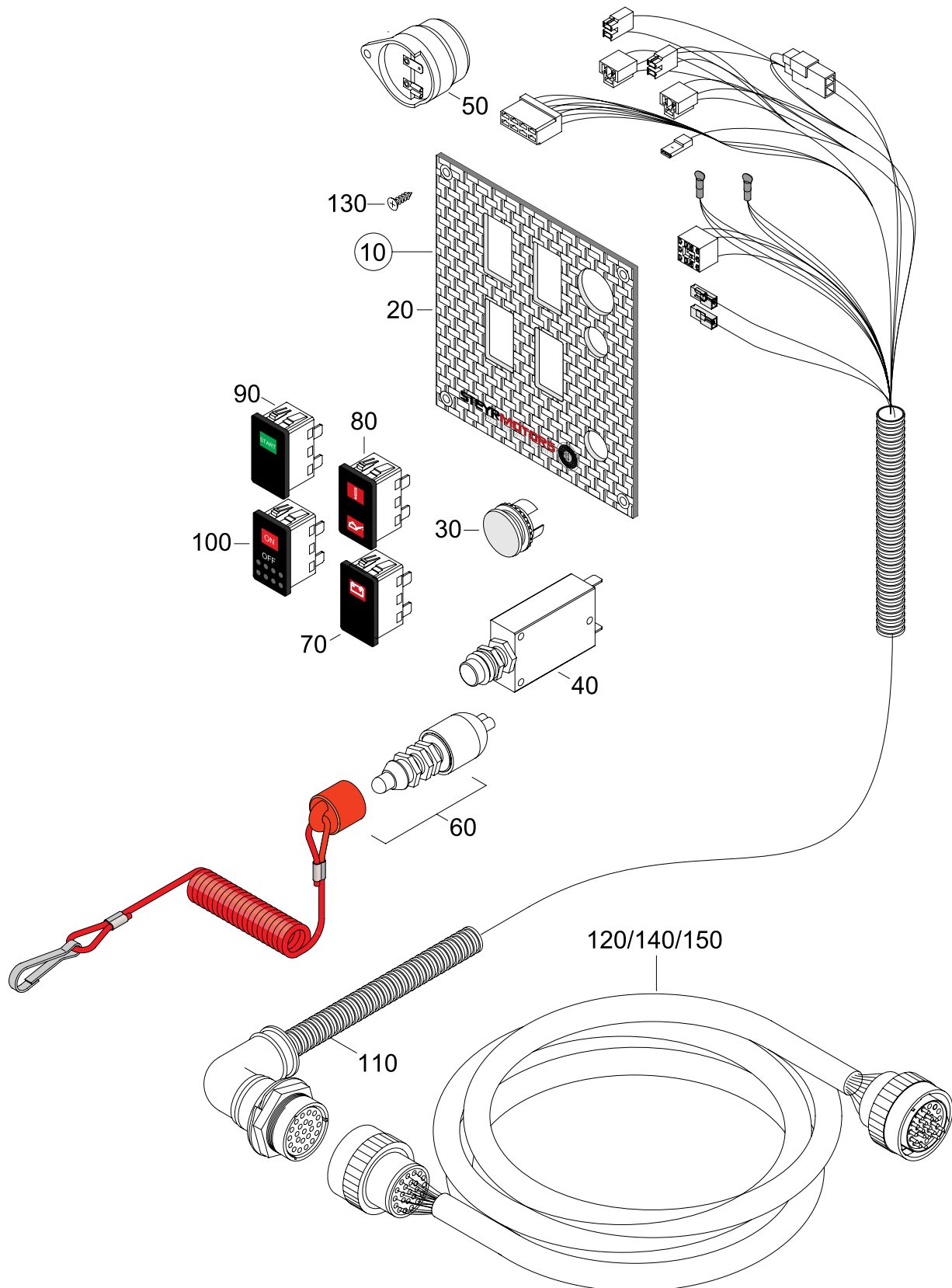


TA 0612

144 MARINE
TURBO DIESEL
+ SOLAS

PUSH BUTTON PANEL SOLAS FOR DISPLAY FROM 2010-->

06122184-1



144 MARINE
TURBO DIESEL
+ SOLAS

06122184-1

Z001005-0 10





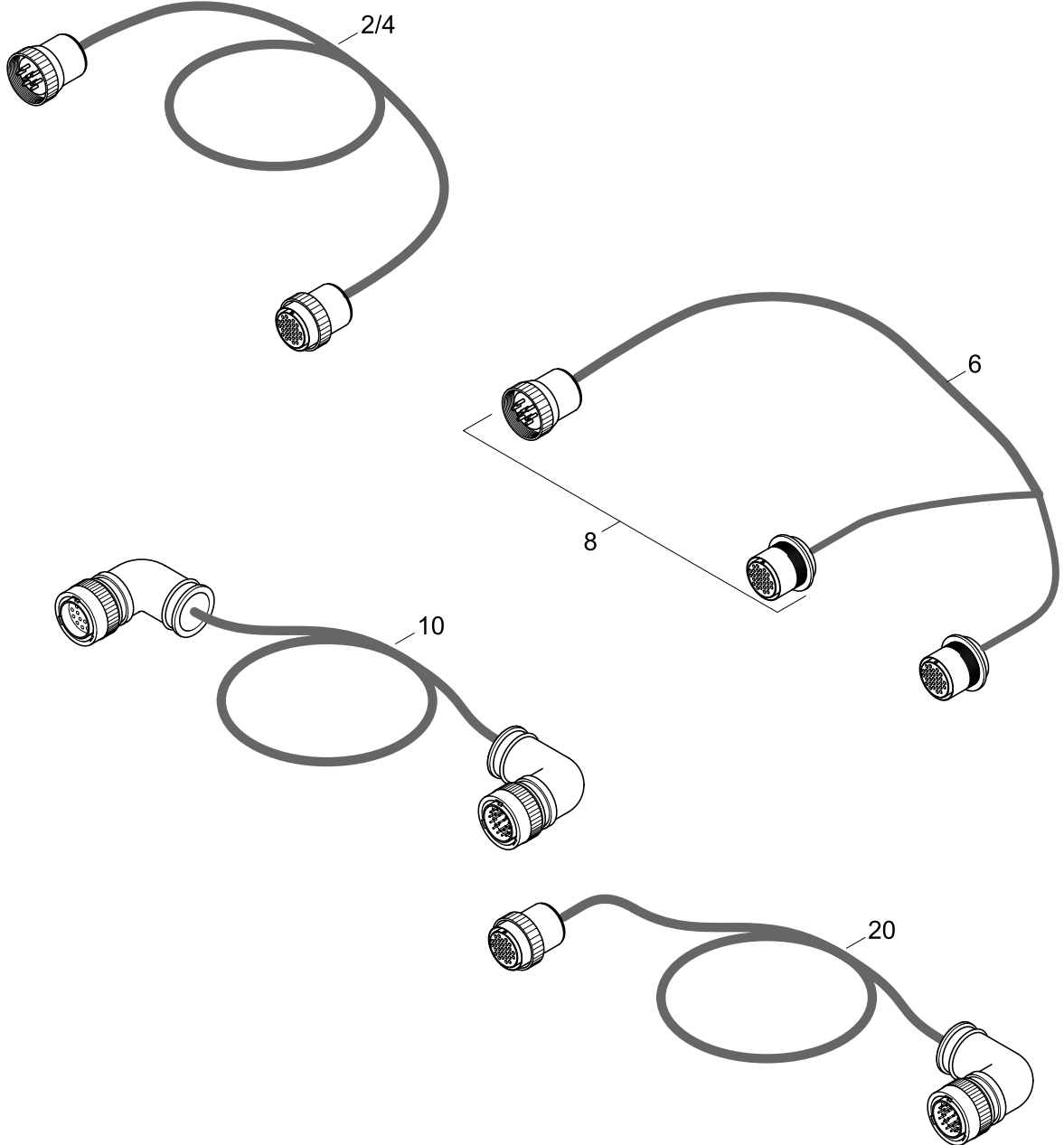
TA 0613

144 MARINE
TURBO DIESEL
+ SOLAS

EXTENSION CABLE INSTRUMENTS (ACCESSORY)

06136184-0

NOTE: NOT COMPATIBLE WITH "SOLAS" INSTRUMENT PANEL



EXTENSION CABLE INSTRUMENTS (ACCESSORY)

144 MARINE
TURBO DIESEL
+ SOLAS

06136184-0

[illegible]



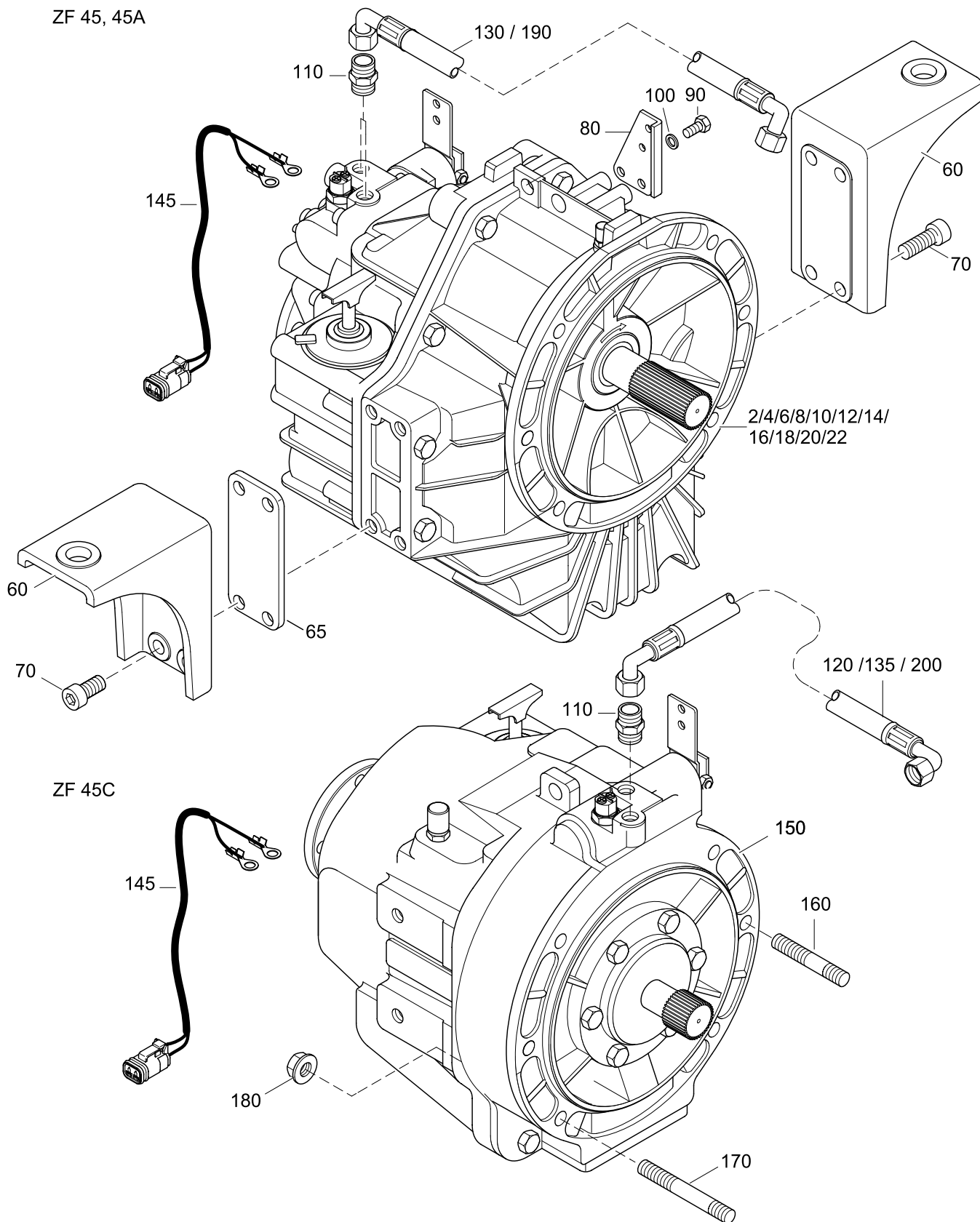
TA 0700

144 MARINE
TURBO DIESEL
+ SOLAS

TRANSMISS., MOUNTING BRACKETS, PIPES

07004084-0

ZF 45, 45A



TRANSMISS., MOUNTING BRACKETS, PIPES

144 MARINE
TURBO DIESEL
+ SOLAS

07004084-0

Pos.	Part.-No.	Qty	Designation	Step
2	2178931-5	1	GEARBOX ASSY. ZF 45 A I=2.03 (RAL9006)	.1
4	2178931-6	1	GEARBOX ASSY. ZF 45 A I=1.51 (RAL9006)	.1
6	2178931-7	1	GEARBOX ASSY. ZF 45 A I=1.26 (RAL9006)	.1
8	2178931-8	1	GEARBOX ASSY. ZF 45 A I=2.43 (RAL9006)	.1
10	2178931-F	1	GEARBOX AY. ZF45A I=2.03 W.TR.(RAL9006)	.1
12	2178931-G	1	GEARBOX AY. ZF45A I=1.51 W.TR.(RAL9006)	.1
14	2178931-J	1	GEARBOX AY. ZF45A I=1.26 W.TR.(RAL9006)	.1
16	2178931-I	1	GEARBOX AY. ZF45A I=2.43 W.TR.(RAL9006)	.1
18	2178964-5	1	GEARBOX ASSY. ZF 45 I=2.51 (RAL9006)	.1
20	2178964-6	1	GEARBOX ASSY. ZF 45 I=3.74 (RAL9006)	.1
22	2178964-7	1	GEARBOX ASSY. ZF 45 I=3.03 (RAL9006)	.1
60	2178710-V	2	BRACKET GEAR-BOX DOWN ANGLE	.1
65	2203761-0	4	SPACER BRACKET GEAR BOX	.1
70	9000334-0	8	HEX.SCR.ISO4762-M12x55-8.8-FLZNNC-720H-L	.1
80	2178711-9	1	BRACKET SHIFT CABLE (RAL9006)	.1
90	3800224-0	2	HEX.HD.SCR. ISO 4017-M8x20-A4-70	.1
100	3930103-0	2	WASHER ISO 7089-8-A4-200HV	.1
110	Z011655-0	2	THREADED SOCKET 3/8NPT-M18x1,5	.1
120	2178731-0	1	OIL HOSE L=690mm	.1
130	2178732-0	1	OIL HOSE L=825mm	.1
135	2178732-1	1	OIL HOSE L=505mm C-GEAR BOX	.1
145	2180915-0	1	HARNESS GEAR-SWITCH	.1
150	2178931-9	1	GEARBOX ASSY. ZF 45 C I=1 (RAL9006)	.1
160	9000704-0	2	STUD DIN 835-M10x90-8.8-FLZNNC-720H-L	.1
170	9000705-0	4	STUD DIN 835-M10x130-8.8-FLZNNC-720H-L	.1
180	9000042-1	6	HEX. NUT DIN 6923-M10-8-FLZNNC-720H-L	.1
190	2181242-0	1	OIL HOSE L=1000mm	.1
200	2181305-0	1	OIL HOSE L=825mm	.1



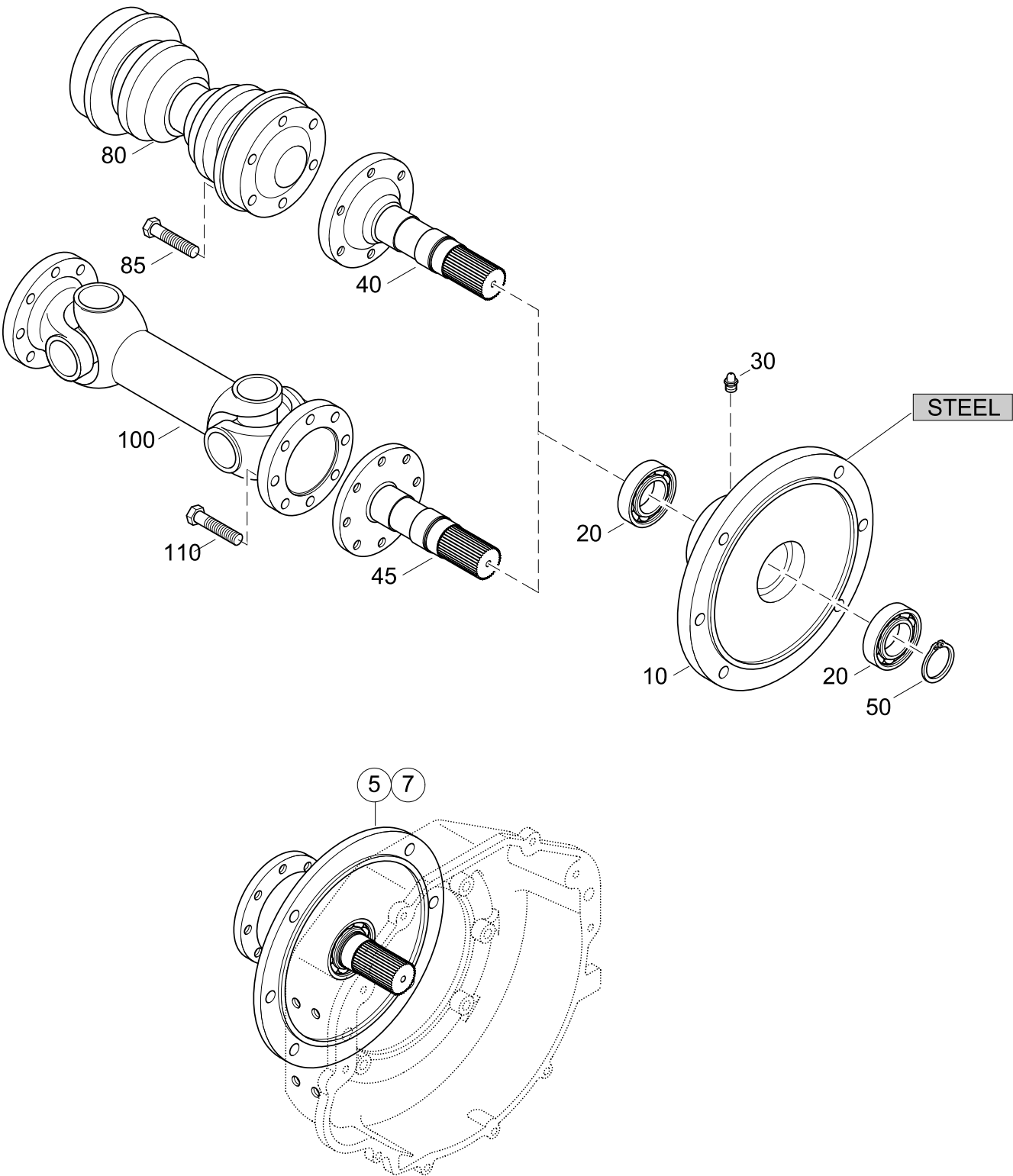


TA 0701

144 MARINE
TURBO DIESEL
+ SOLAS

TRANSMISSION-SHAFT, PTO-SHAFT (STEEL)

07016084-0



144 MARINE
TURBO DIESEL
+ SOLAS

07016084-0

Z001005-0 10



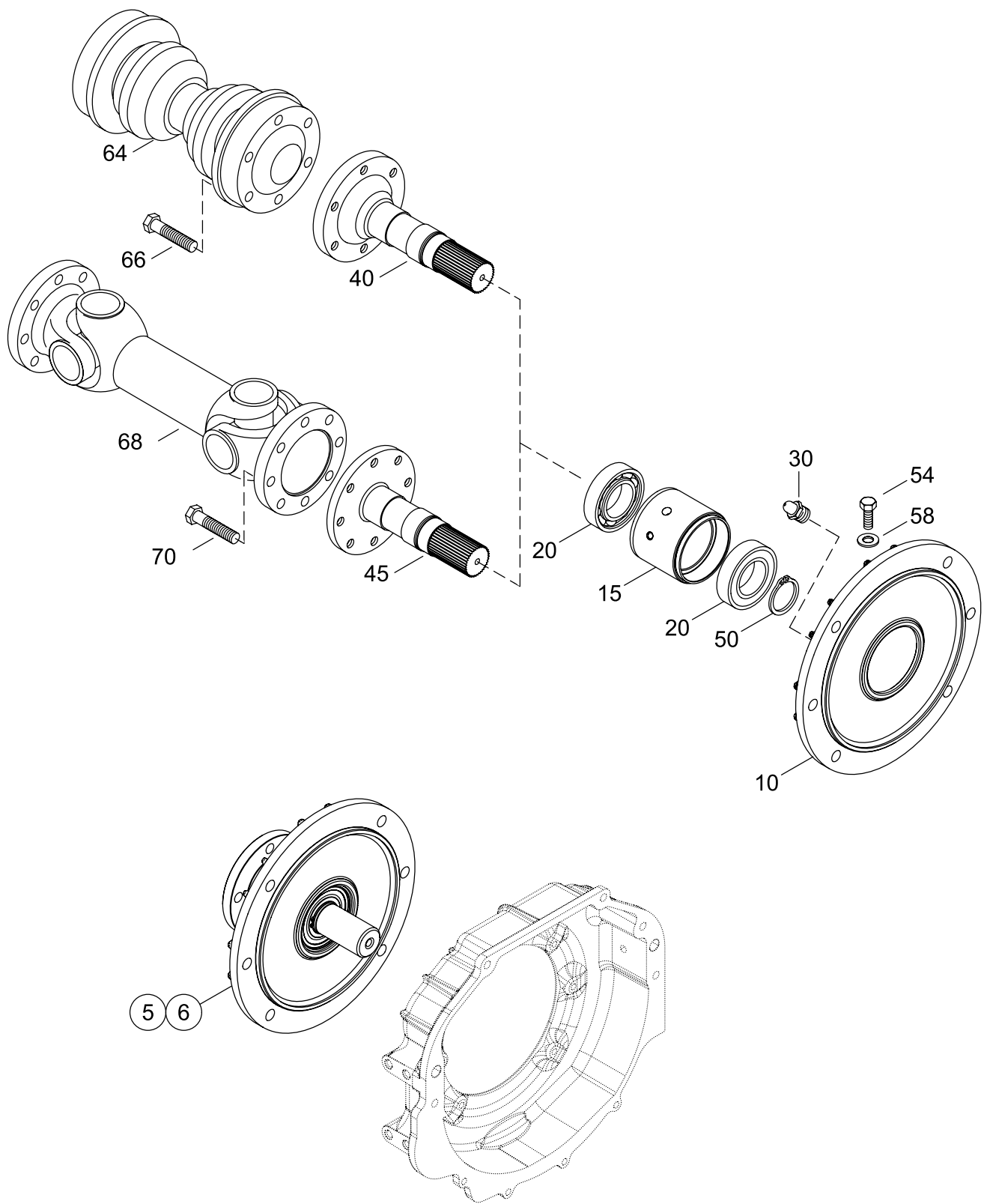


TA 0701

144 MARINE
TURBO DIESEL
+ SOLAS

TRANSMISSION-SHAFT, PTO-SHAFT (ALU)

07016184-0



TRANSMISSION-SHAFT, PTO-SHAFT (ALU)

144 MARINE
TURBO DIESEL
+ SOLAS

07016184-0

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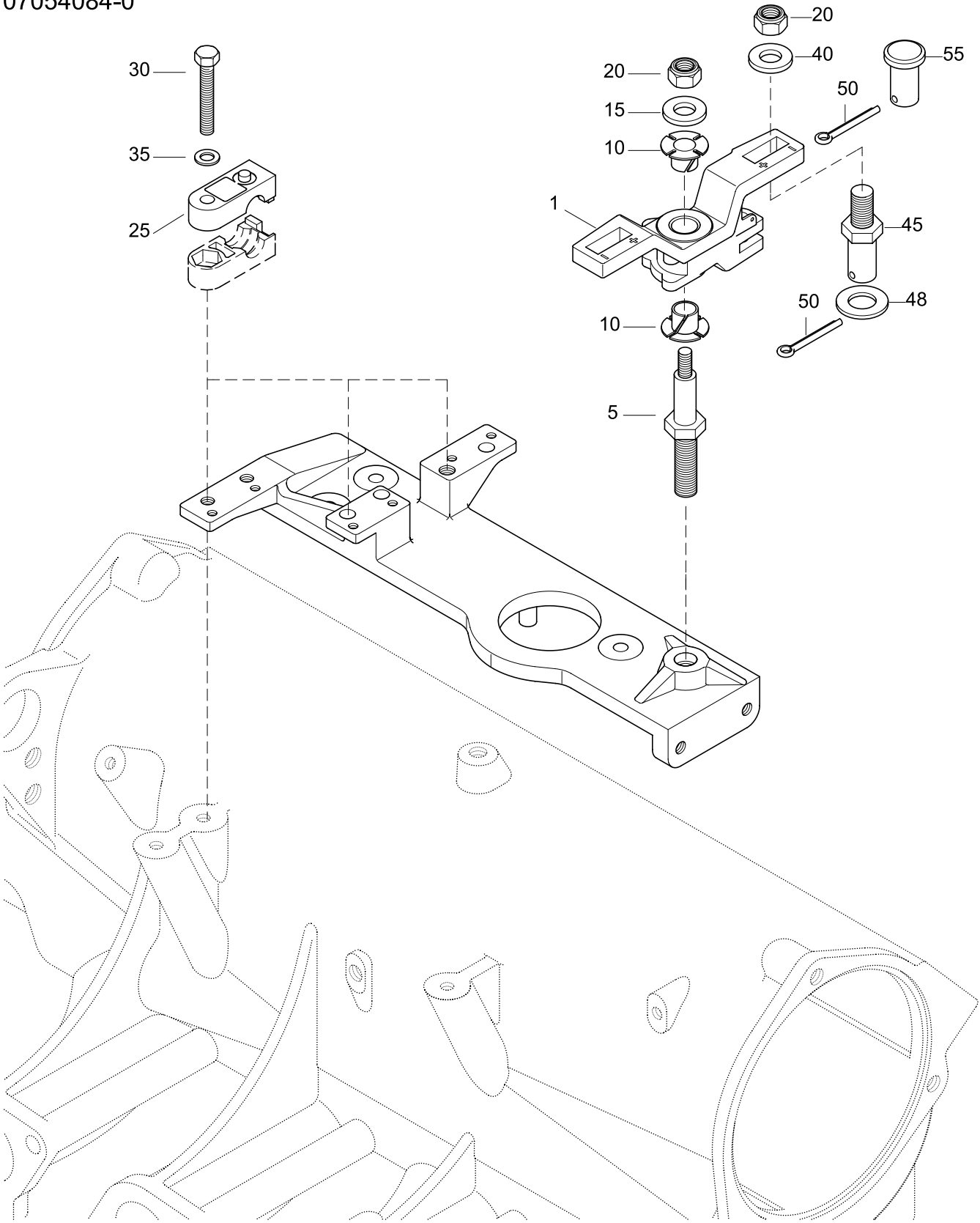


TA 0705

144 MARINE
TURBO DIESEL
+ SOLAS

TRANSMISSION GEAR SHIFT, CONTROLS

07054084-0



TRANSMISSION GEAR SHIFT, CONTROLS

144 MARINE
TURBO DIESEL
+ SOLAS

07054084-0

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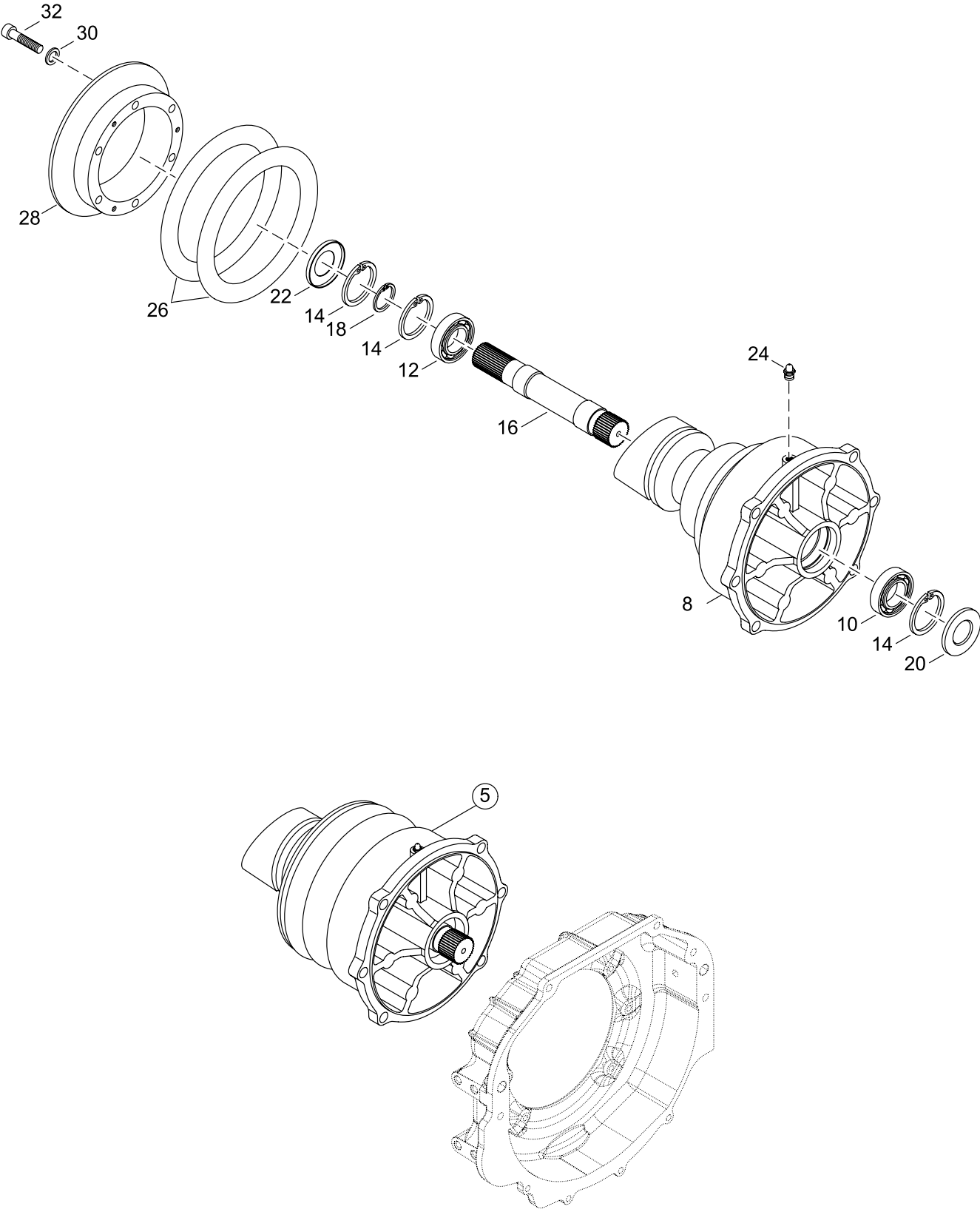


TA 0720

144 MARINE
TURBO DIESEL
+ SOLAS

DRIVE ADAPTER VOLVO STERNDRIVE (ACCESSORY)

07206084-0



DRIVE ADAPTER VOLVO STERNDRIVE (ACCESSORY)

144 MARINE
TURBO DIESEL
+ SOLAS

07206084-0

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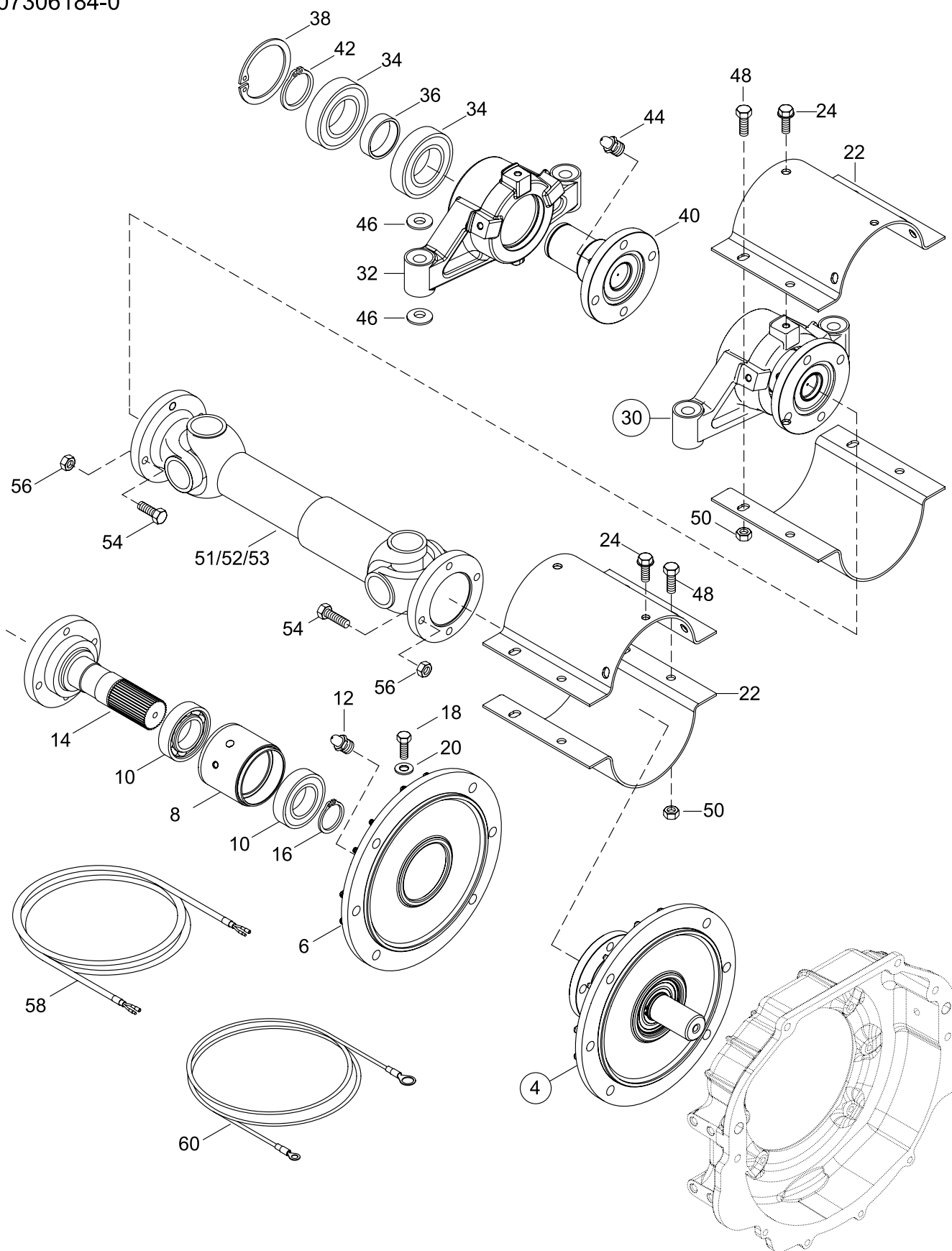


TA 0730

144 MARINE
TURBO DIESEL
+ SOLAS

DRIVE SHAFT EXT. MERCURY STERNDRIVE (ACCESSORY)

07306184-0



DRIVE SHAFT EXT. MERCURY STERNDRIVE (ACCESSORY)

144 MARINE
TURBO DIESEL
+ SOLAS

07306184-0

Pos.	Part.-No.	Qty	Designation	Step
4	Z002116-0	1	ADAPTER SHAFT ASSY. - MERCURY (RAL9006)	.1
6	Z002117-0	1	ADAPTER HOUSING - (RAL9006) (ALU CASTING)	.2
8	2179328-0	1	BEARING RETAINER	.2
10	3311181-0	2	DEEP GROOVE BALL BEARING DIN 625-RS1	.2
12	3963112-0	1	LUBRICATING NIPPLE DIN 71412-AM8x1-A3F	.2
14	2178814-2	1	ADAPTER SHAFT (MERCURY)	.2
16	3933251-0	1	RETAINING RING SHAFT DIN 471-35x1,5	.2
18	3802442-0	2	HEX.SCR.ISO 4017-M8x40-8.8-FLZNNC-720H-L	.2
20	O125134-0	2	WASHER LARGE	.2
22	2179273-0	4	COVER PLATE	.1
24	9000305-0	6	BOLT EN1665-M8x20-10.9-FLZNNC-720H-L	.1
30	Z002118-0	1	BEARING BLOCK DRIVE SH. MERC.(RAL9006)	.1
32	Z002119-0	1	BEARING BLOCK DRIVE SH. MERC. (RAL9006)	.2
34	9000486-0	2	DEEP GROOVE BALL BEARING DIN 625-6209	.2
36	2179271-0	1	DISTANCE PLATE	.2
38	9000403-0	1	RETAINING RING BORE DIN 472-85x3	.2
40	Z002120-0	1	SHAFT-FLANGE DRIVE SHAFT MERC.	.2
42	3933350-0	1	RETAINING RING SHAFT DIN 471-45x1.75-BL	.2
44	3963112-0	1	LUBRICATING NIPPLE DIN 71412-AM8x1-A3F	.2
46	2179274-0	4	WASHER SPHERIC	.1
48	3802515-0	8	HEX.SCR.ISO4017-M10x20-8.8-FLZNNC-720H-L	.1
50	9000052-0	8	HEX.FLANGE NUT DIN 6927-M10-8-DAC	.1
51	Z002079-0	1	DRIVE SHAFT L=432mm & SCREWS	.1
52	Z002080-0	1	DRIVE SHAFT L=1000mm & SCREWS	.1
53	Z002081-0	1	DRIVE SHAFT L=1500mm & SCREWS	.1
54	9000066-0	8	HEX.HD.BOLT ISO 4017-M10x35-12.9	.2
56	9000052-0	8	HEX.FLANGE NUT DIN 6927-M10-8-DAC	.2
58	2179352-0	1	EXTENSION CABLE - TRIMSSENSOR 1,5m	.1
60	2179353-0	1	GROUND WIRE FLYW.HSG-TRANSOM 1,8m	.1



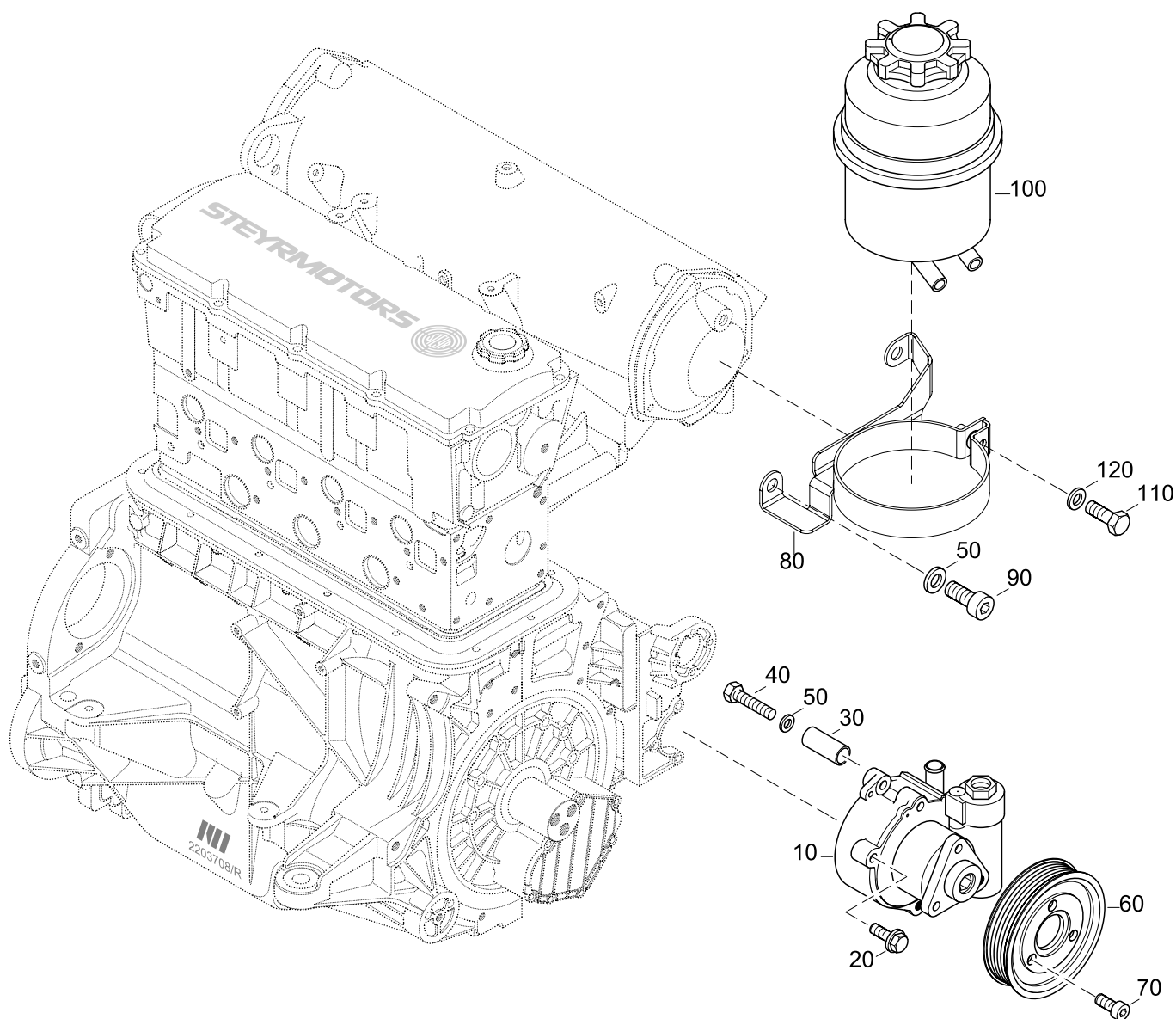


TA 1408

144 MARINE
TURBO DIESEL
+ SOLAS

HYDRAULIC PUMP

14084084-0



HYDRAULIC PUMP

144 MARINE
TURBO DIESEL
+ SOLAS

14084084-0

[illegible]



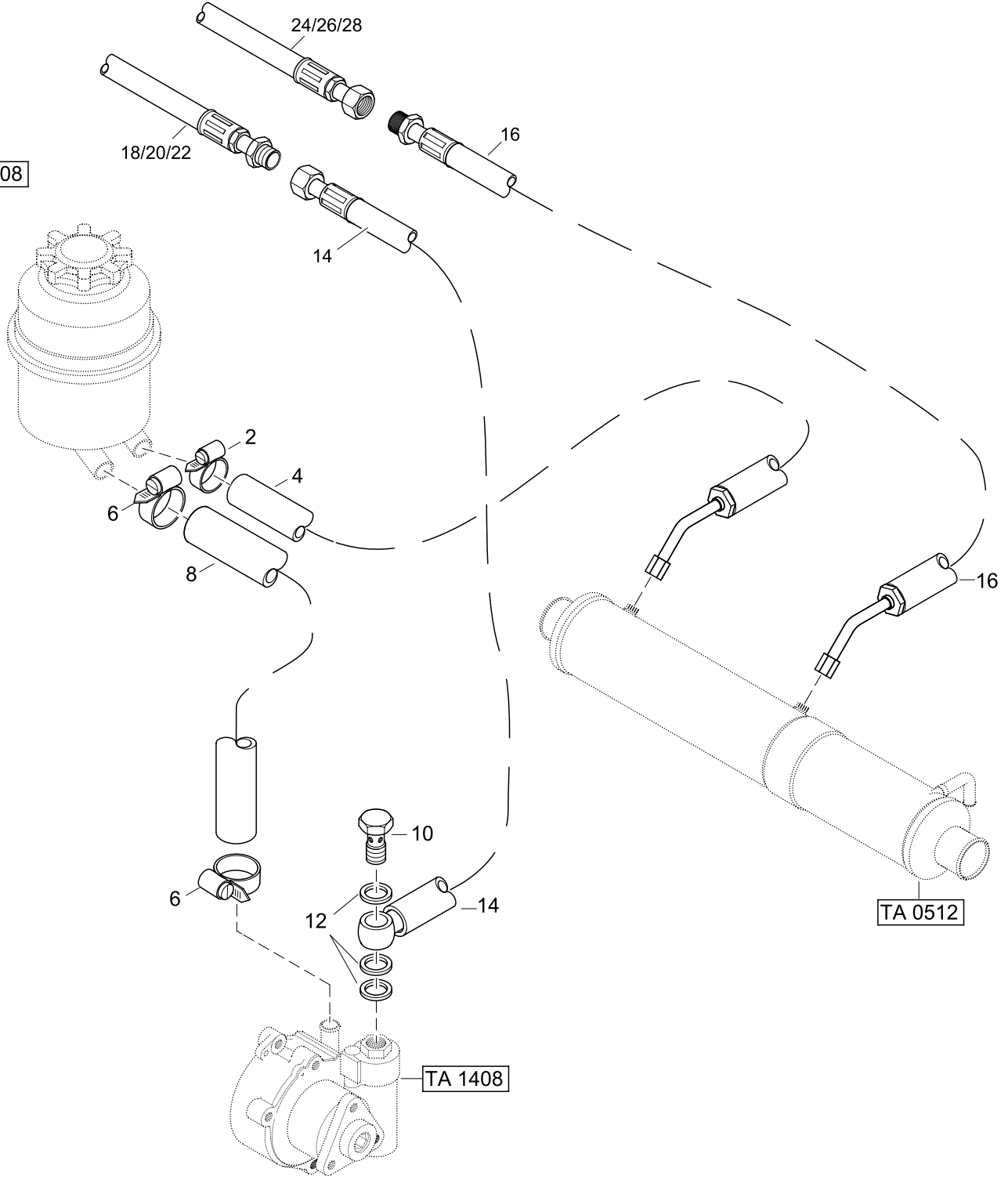
TA 1409

144 MARINE
TURBO DIESEL
+ SOLAS

HYDRAULIC PIPES

14094084-0

TA 1408



144 MARINE
TURBO DIESEL
+ SOLAS

14094084-0

Z001005-0 10



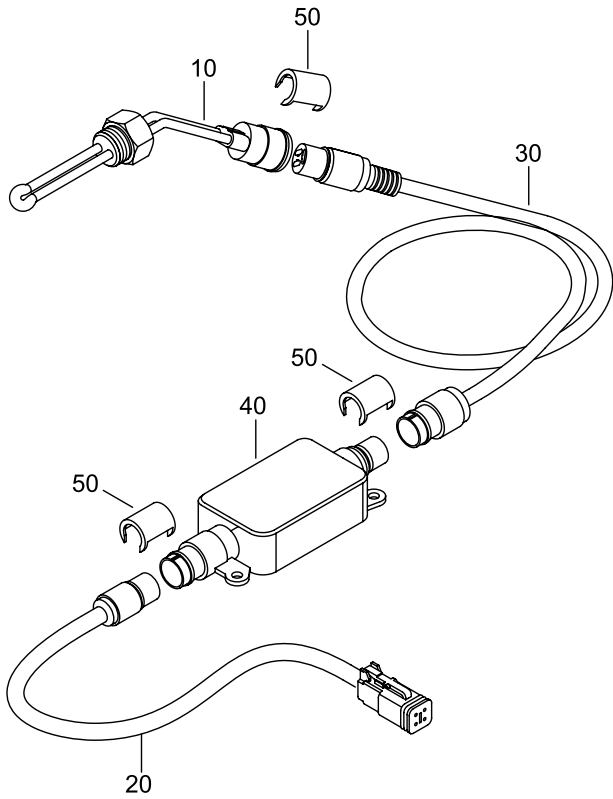
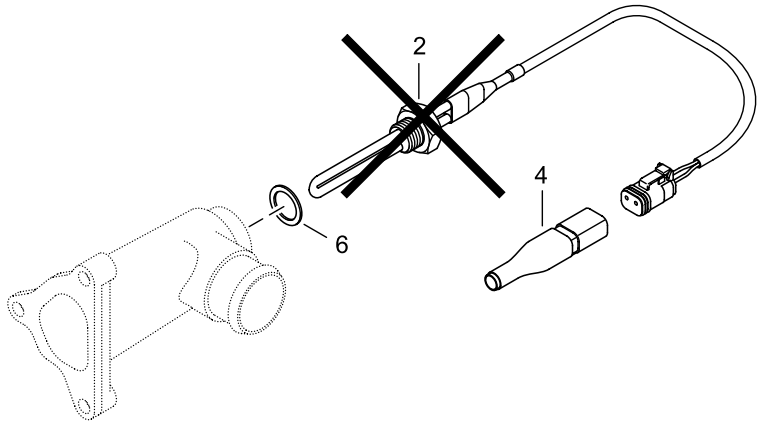


TA 2207

144 MARINE
TURBO DIESEL
+ SOLAS

ENGINE PREHEATING (ACCESSORY)

22076184-0



144 MARINE
TURBO DIESEL
+ SOLAS

22076184-0

Z001005-0_10



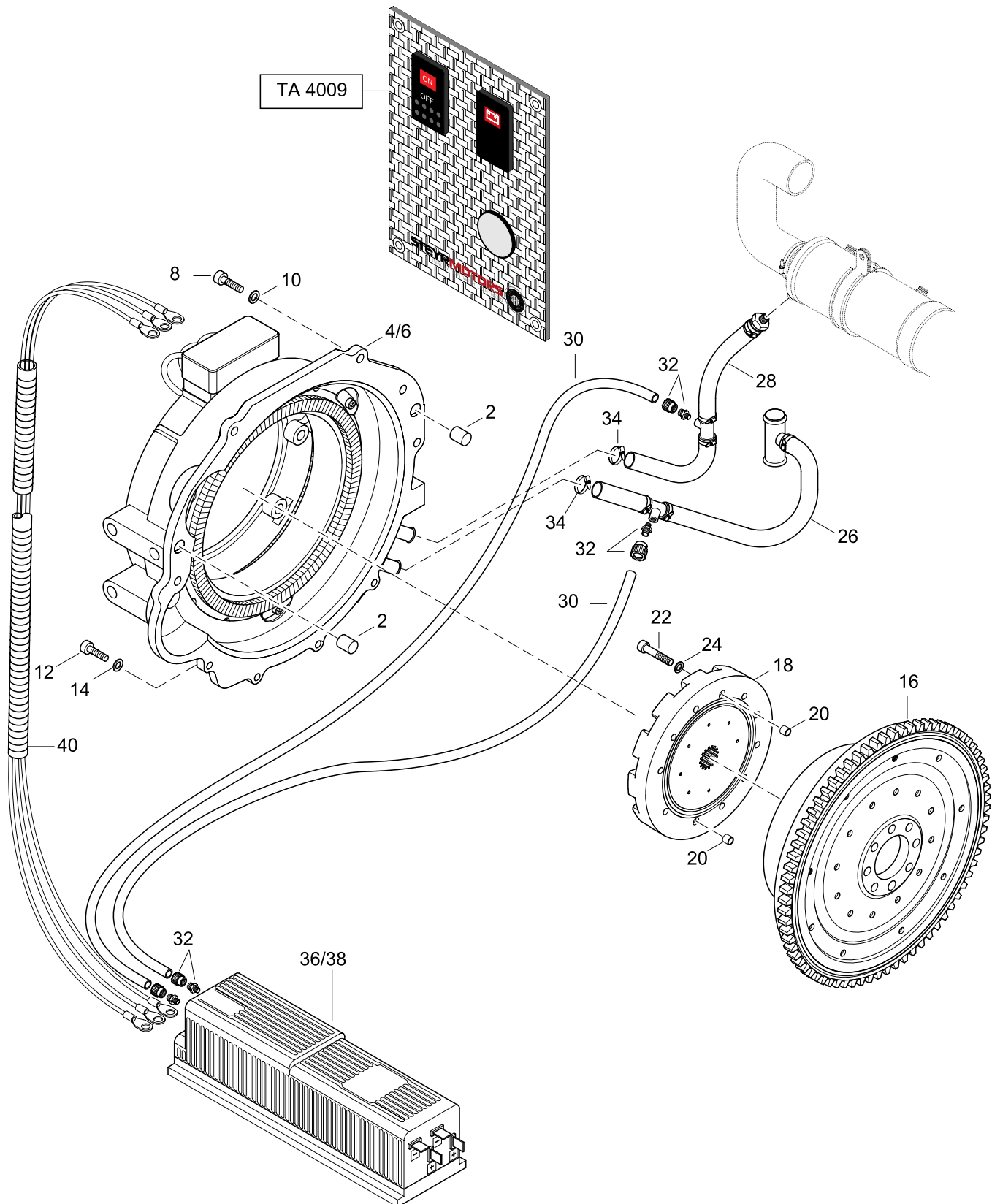


TA 4000

144 MARINE
TURBO DIESEL
+ SOLAS

INTEGR. FLYWHEELGENERATOR (IFG) (ACCESSORY)

40004084-0



INTEGR. FLYWHEELGENERATOR (IFG) (ACCESSORY)

144 MARINE
TURBO DIESEL
+ SOLAS

40004084-0

[illegible]

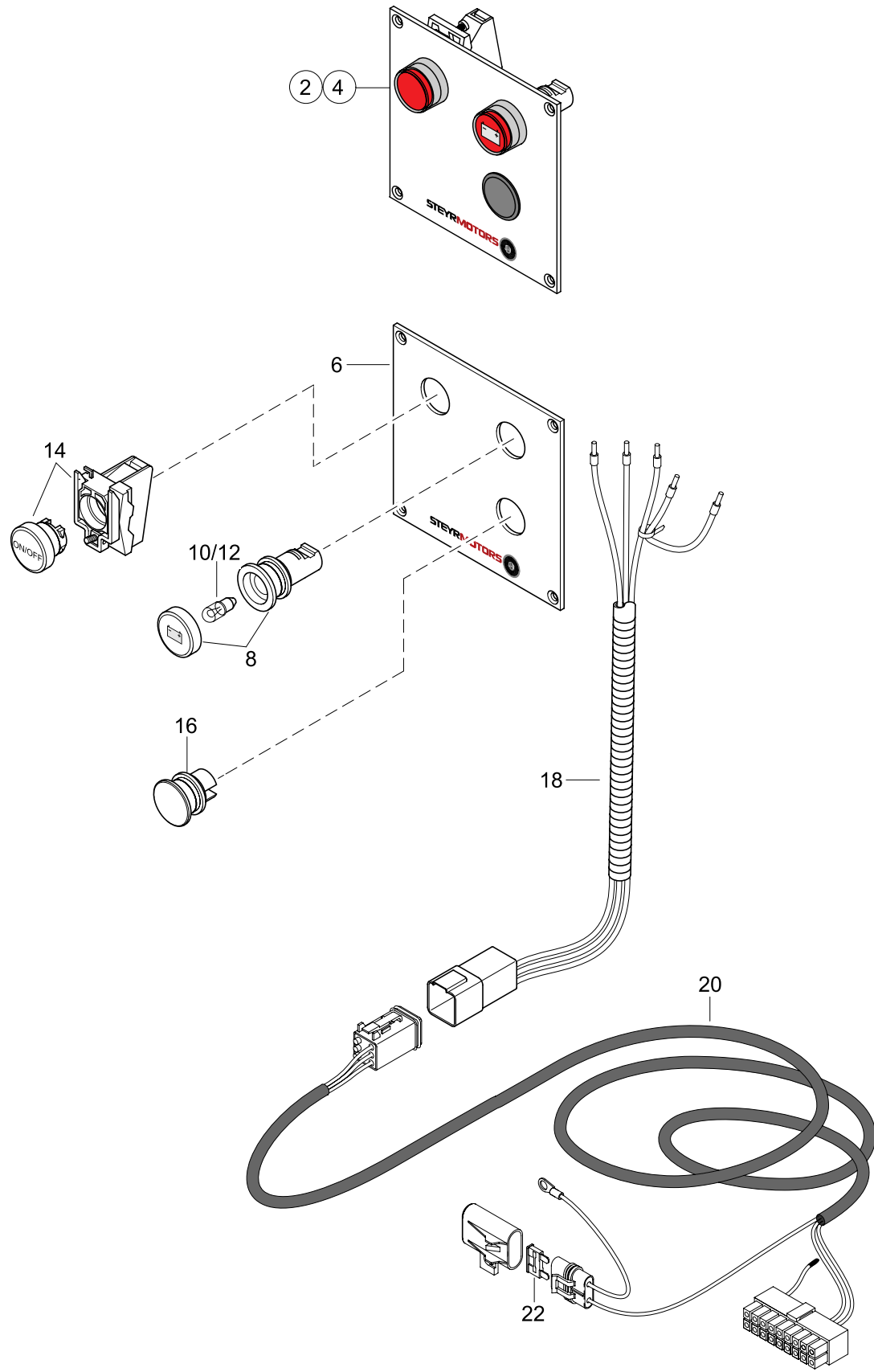


TA 4009

144 MARINE
TURBO DIESEL
+ SOLAS

PUSH BUTTON PANEL "IFG" TILL -->2010

40096184-0



144 MARINE
TURBO DIESEL
+ SOLAS

40096184-0

Z001005-0_10



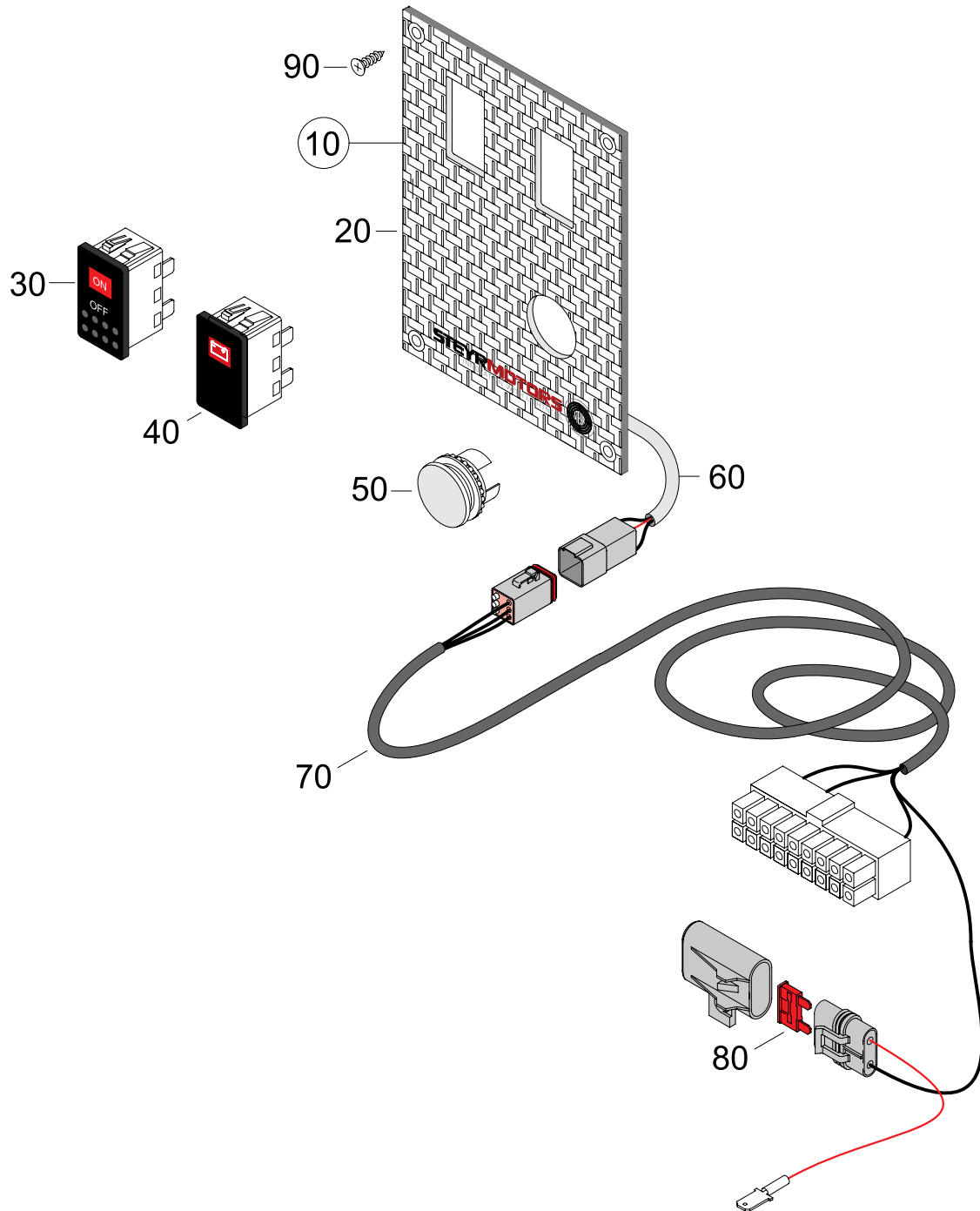


TA 4009

144 MARINE
TURBO DIESEL
+ SOLAS

PUSH BUTTON PANEL "IFG" FROM 2010-->

40096184-1



144 MARINE
TURBO DIESEL
+ SOLAS

40096184-1

Z001005-0_10

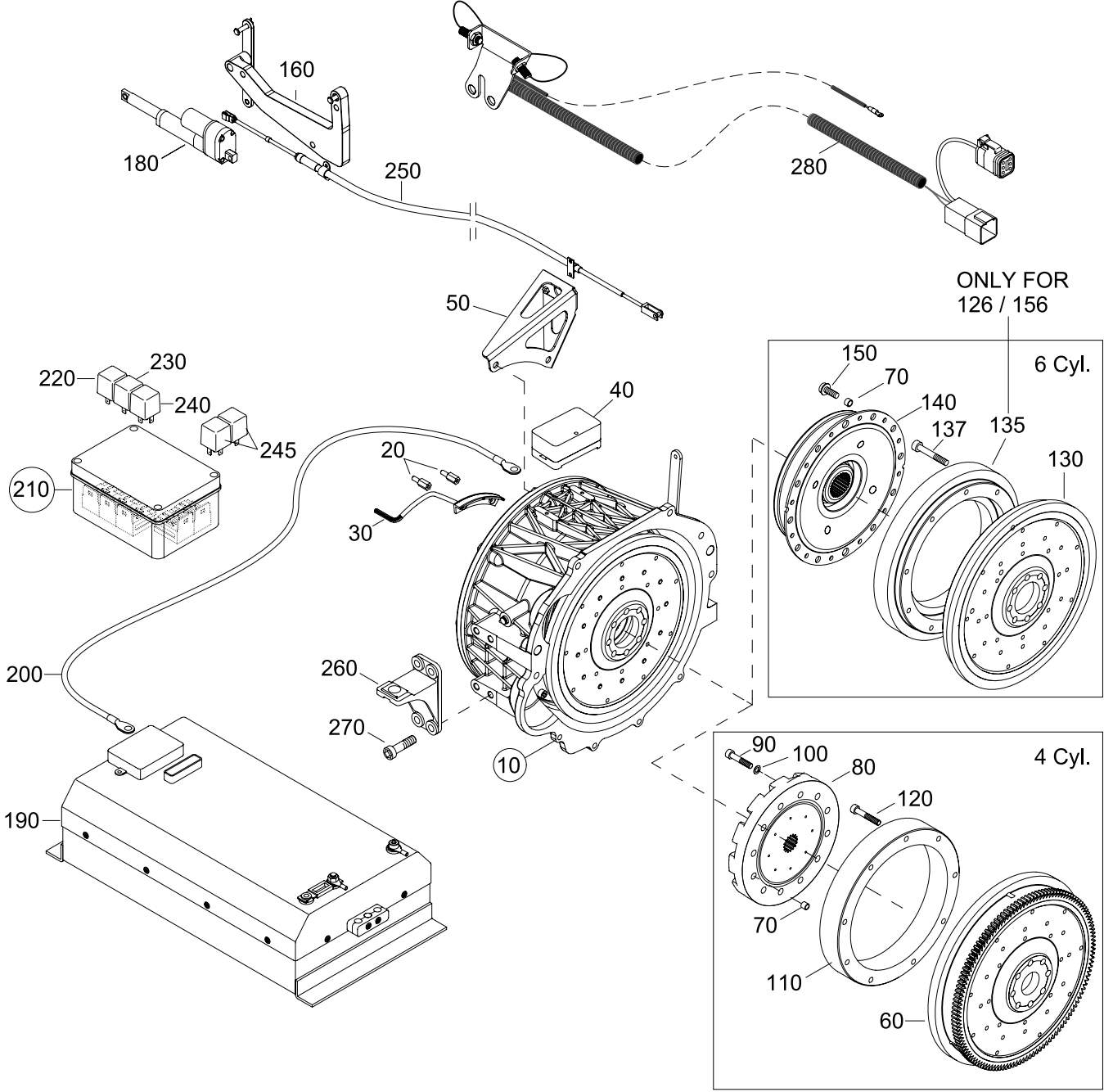


TA 4100

144 MARINE
TURBO DIESEL
+ SOLAS

HYBRID STAGE I

41006184-0



HYBRID STAGE I

144 MARINE
TURBO DIESEL
+ SOLAS

41006184-0

Pos.	Part.-No.	Qty	Designation	Step
10	Z002171-0	1	ELECTRIC MOTOR ASSY.	.1
20	2179623-1	2	DISTANCE BOLT	.2
30	Z002173-0	1	HALL SENSOR ASSY.	.2
40	2179758-0	1	CONNECTION PLATE	.2
50	2180122-0	1	GEAR SHIFT BRACKET	.2
60	2203870-0	1	FLYWHEEL ASSY. RW	.1
70	2203543-0	2	FITTING SLEEVE	.1
80	Z002106-0	1	S.P. COUPLER	.1
90	9000520-0	12	HEX.SOCK. SCR. ISO 4762-M8x50-10.9-DAC	.1
100	3930103-0	12	WASHER ISO 7089-8-A4-200HV	.1
110	2180415-0	1	FLYWHEEL MASS	.1
120	3862462-0	9	HEX.SCR.ISO 4762-M8x60-8.8-FLZNNC-720H-L	.1
130	2177734-N	1	FLYWHEEL ASSY. RW	.1
135	2180522-0	1	FLYWHEEL MASS	.1
137	3862452-0	9	HEX.SCR.ISO 4762-M8x50-8.8-FLZNNC-720H-L	.1
140	Z026060-0	1	S.P. COUPLER	.1
150	9000685-0	12	LOCKING SCREW-M8x16-10.9	.1
160	2179739-1	1	CONTROL BRACKET ASSY.	.1
180	Z002174-0	1	CONTROL MOTOR, CLUTCH	.1
190	Z002195-0	1	ELECTR.CONTROL SYSTEM	.1
200	Z021009-0	3	CONNECTING CABLE	.1
210	Z002175-0	1	RELAISBOX ASSY.	.1
220	2179961-0	1	PROGRAMMED RELAIS, A12	.2
230	2179960-0	1	PROGRAMMED RELAIS, A11	.2
240	2179959-0	1	PROGRAMMED RELAIS, A10	.2
245	9000183-0	2	RELAY 12V 40A	.2
250	Z002178-0	1	GEAR SHIFT CABLE ASSY.	.1
260	2178722-1	2	BRACKET FLYWHEEL HOUSING	.1
270	9000081-0	8	HEX.SCR.ISO4762-M12x35-8.8-FLZNNC-720H-L	.1
280	Z026154-0	1	POSITION SENSORS ASSY. (SPARE PART)	.1



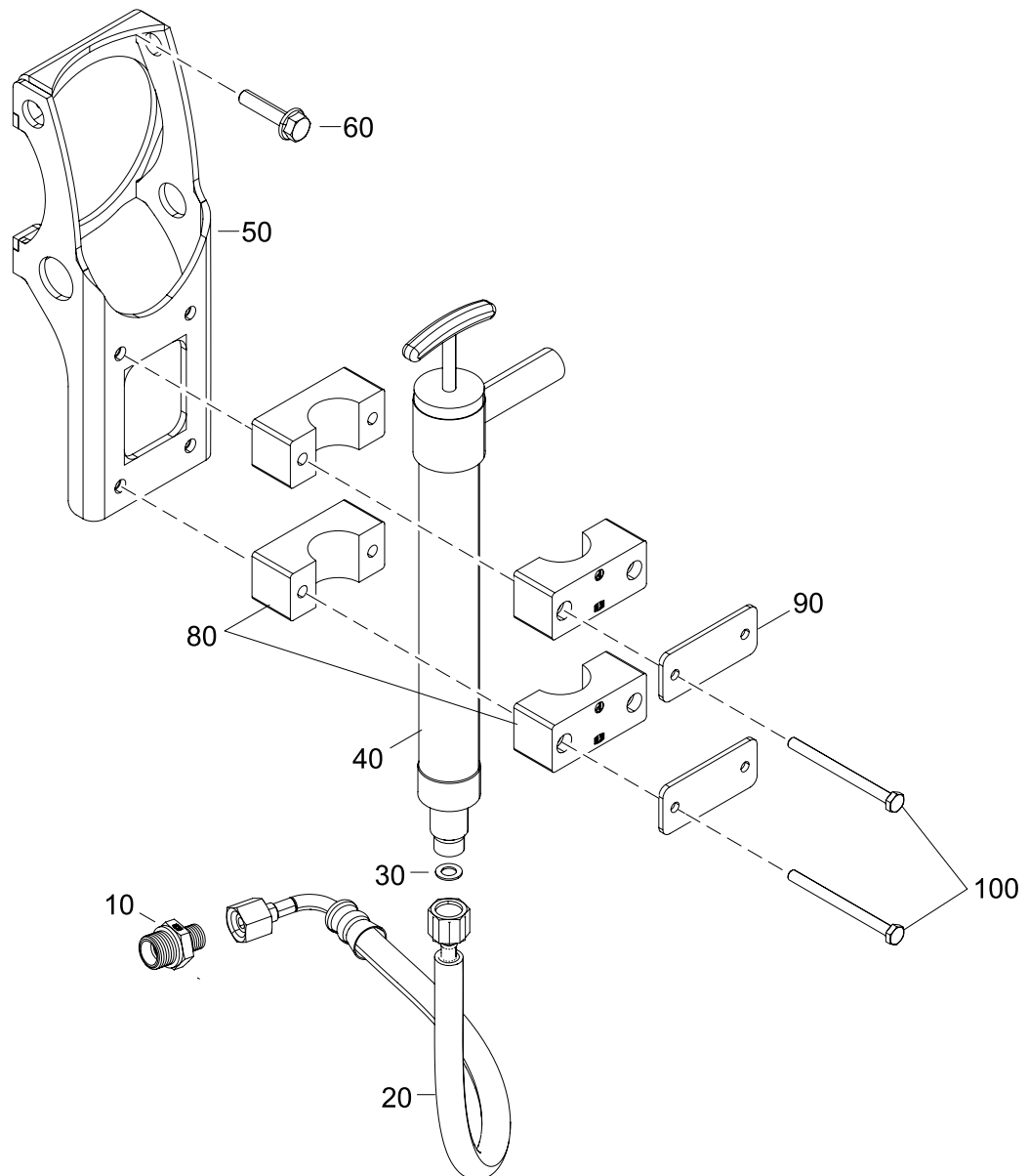


TA 5520

144 MARINE
TURBO DIESEL
+ SOLAS

OIL DRAIN PUMP

55204084-0



OIL DRAIN PUMP

144 MARINE
TURBO DIESEL
+ SOLAS

55204084-0

[illegible]

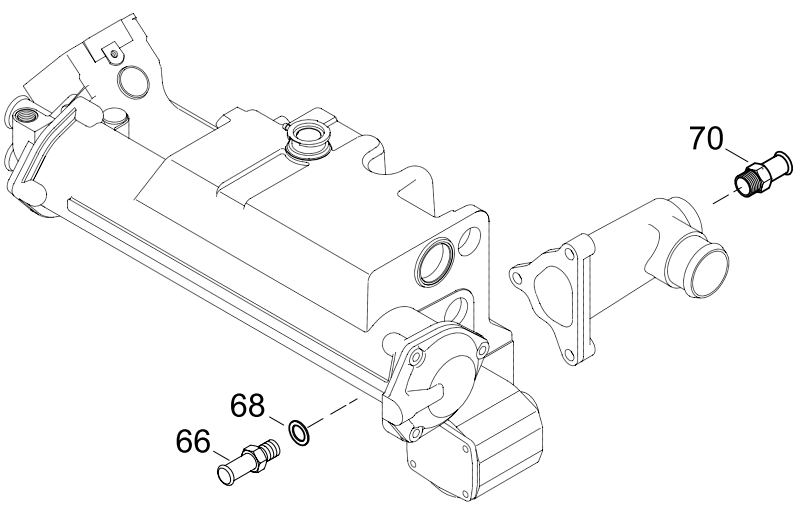
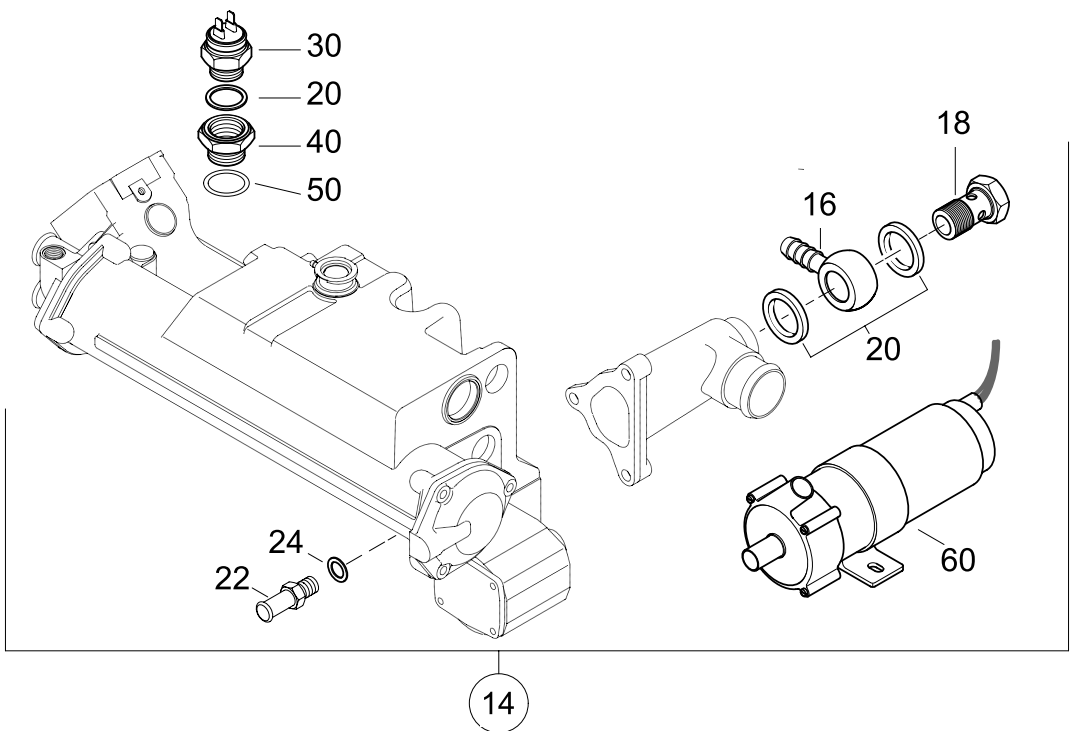


TA 6012

144 MARINE
TURBO DIESEL
+ SOLAS

HEATING UNIT, CIRCULATION PUMP (ACCESSORY)

60124084-0



144 MARINE
TURBO DIESEL
+ SOLAS

60124084-0

Z001005-0 10





TA 9000

144 MARINE
TURBO DIESEL
+ SOLAS

GENERAL OPERATING MATERIAL

90006000-0

 10	 20	 30	 40
 50	 60	 70	 80
 90	 100	 110	 120
 130	 140	 150	 160
 170	 180	 190	



GENERAL OPERATING MATERIAL

144 MARINE
TURBO DIESEL
+ SOLAS

90006000-0

[illegible]