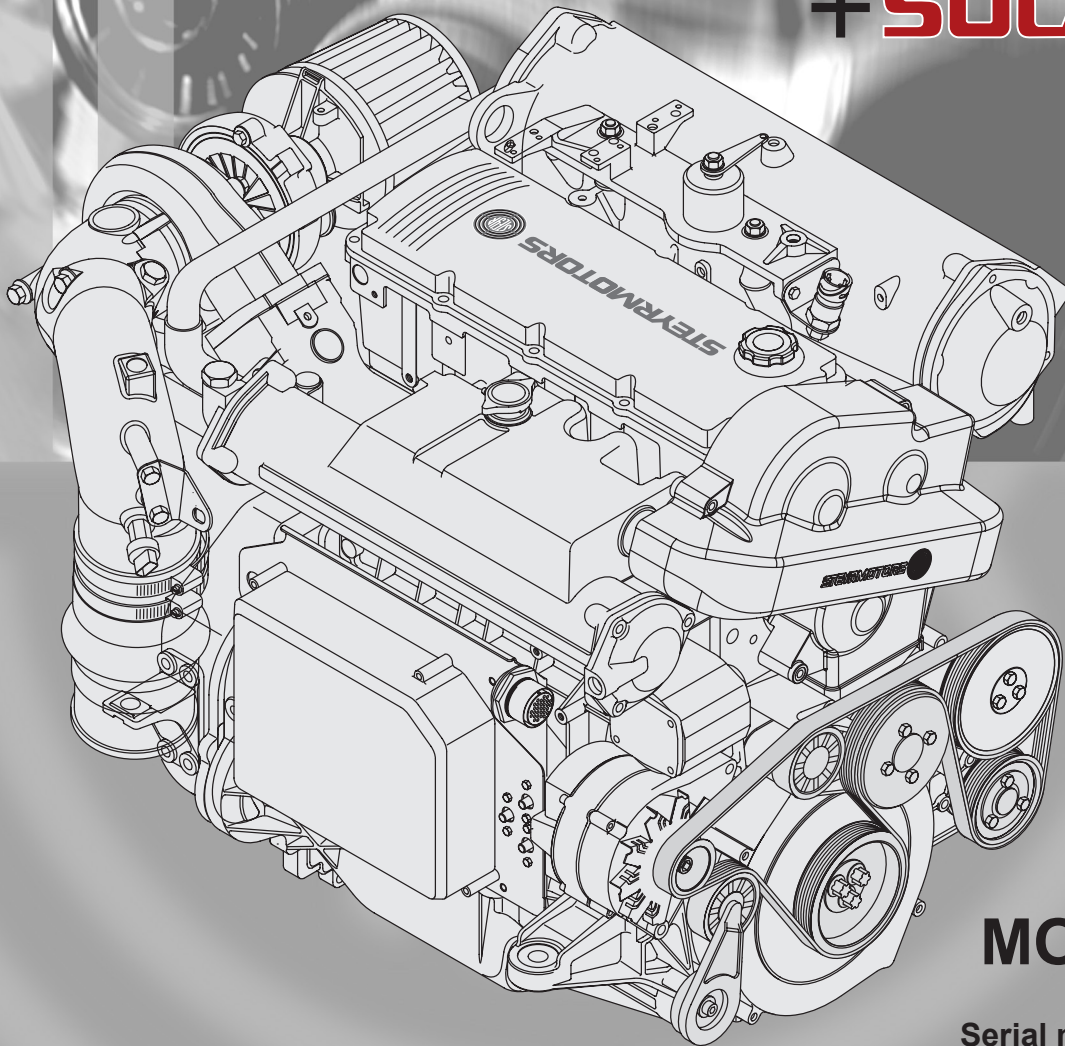


STEYR MARINE ENGINES

164 **MARINE**
TURBO DIESEL
+ SOLAS



MO164M40

Serial no.: 48219 001-->

SPARE PARTS CATALOGUE

P/N Z001015-0 7th Edition, January 2018

TEL ++43 / 7252 / 222 / 20

FAX ++43 / 7252 / 222 / 29

@ e.sales@steyr-motors.com



STEYR MOTORS



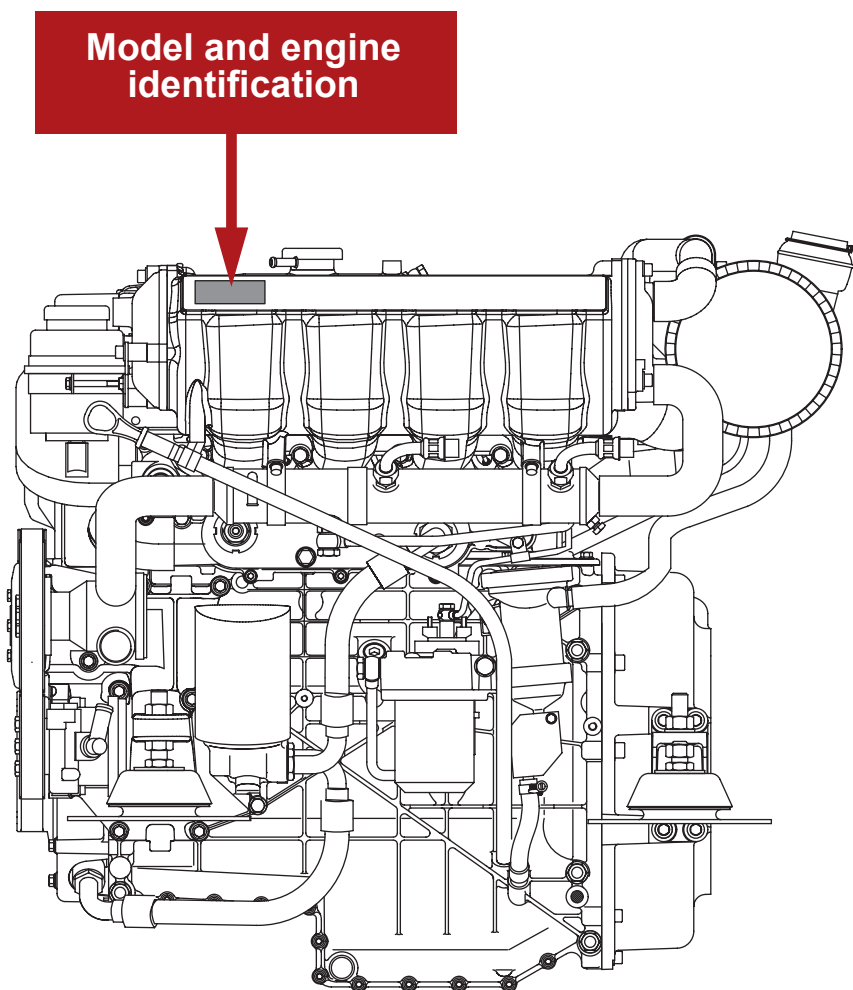
164 MARINE

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

164 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

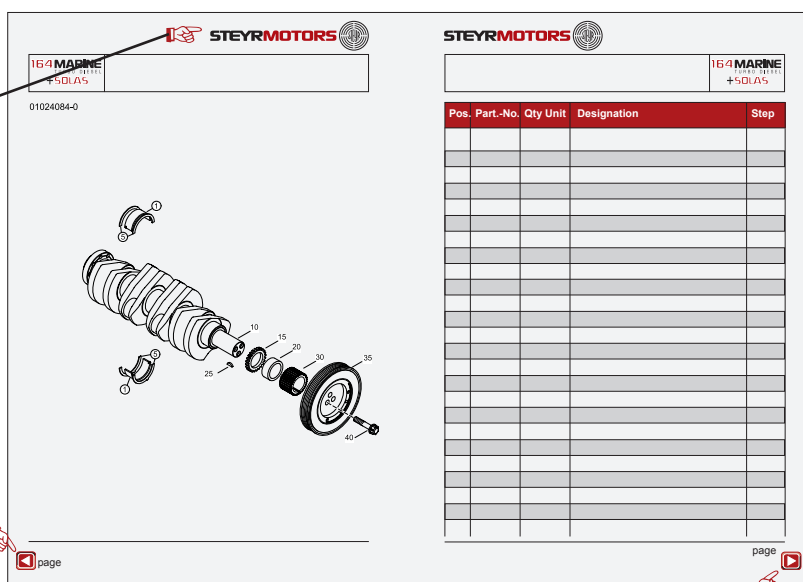
- 1 Table number
- 2 Partlist number for whole table/
functional groups
- 3 Positions number
- 4 Spare part number
- 5 Quantity for one engine respectively
assembly group
- 6 Designation and description of spare part
- 7 Groupparts are marked with a circle around the
position number. Parts in the list 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



Z001015-0_07

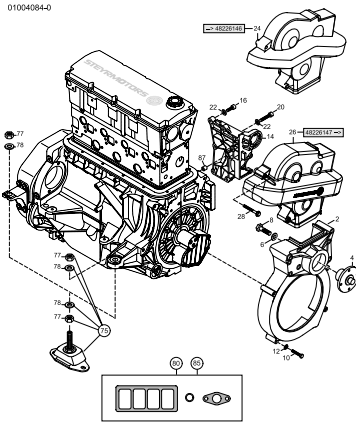




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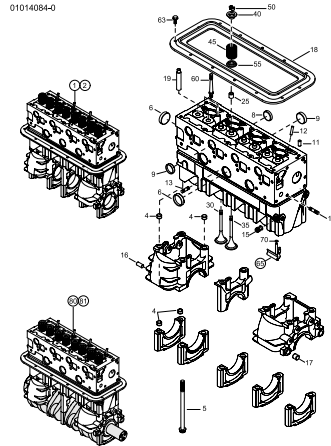
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MOUNT BRACKET, LIFTING EYE, GASKET SET



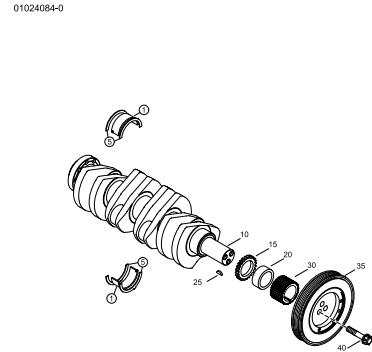
Page 14

CRANKCASE



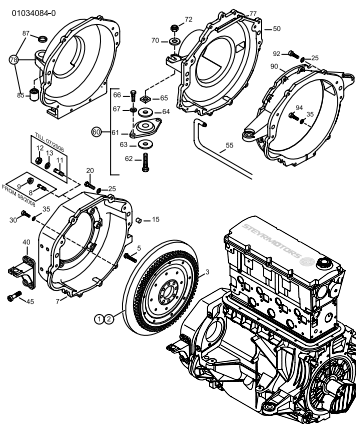
Page 16

CRANKSHAFT, BEARING, DAMPER



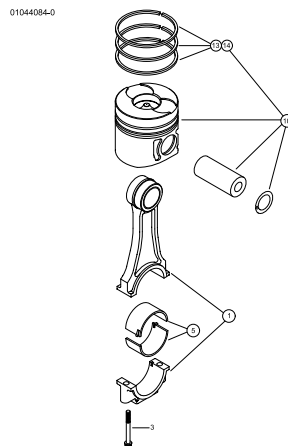
Page 18

FLYWHEEL, FLYWHEEL HOUSING



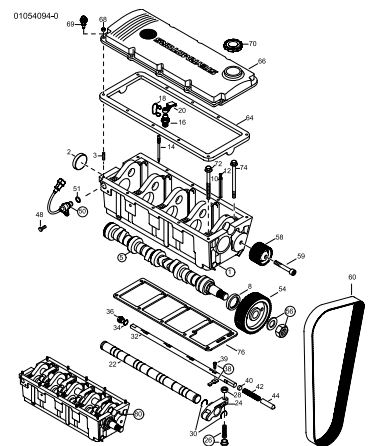
Page 22

PISTON, RINGS AND PIN, CONNECTION ROD



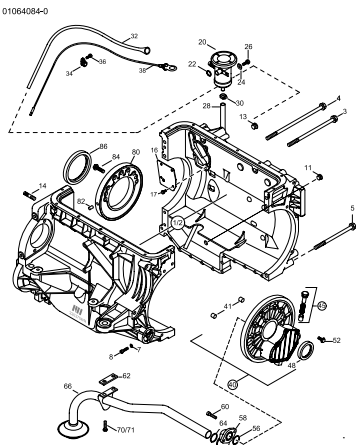
Page 24

CAMSHAFT, CAMSHAFT HOUSING



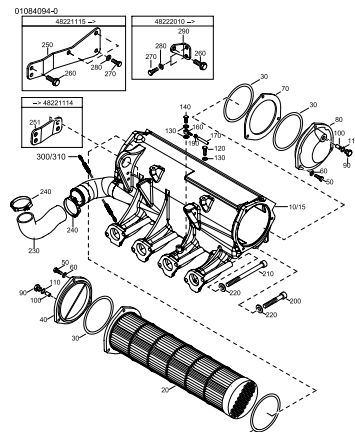
Page 28

OILPUMP, OILPIPE, OILPAN



Page 32

INTERCOOLER



Page 34

POWER TAKE OFF FRONT

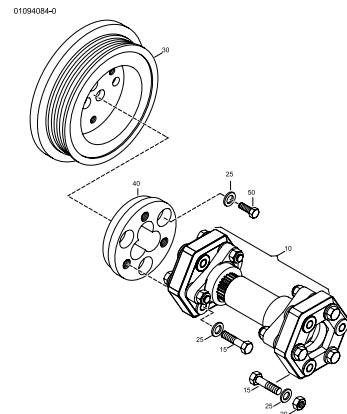




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TURBO DIESEL
+ SOLAS

Page 36 OILCOOLER 	Page 40 EXHAUST -->482341169 	Page 44 EXHAUST 482341170-->
Page 46 COUPLER 	Page 48 COUPLER 	Page 50 FUEL PUMP, UNIT INJECTOR, PIPE
Page 52 AIRFILTER -->48228079 	Page 54 AIRFILTER -->48228080 	Page 56 TURBO





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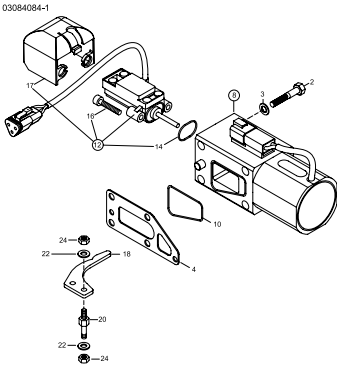
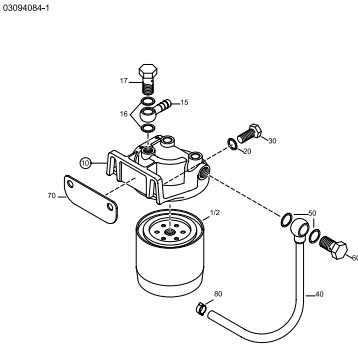
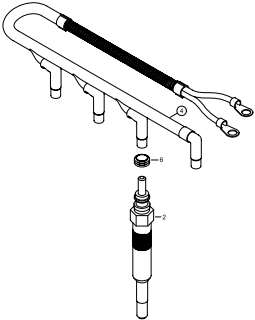
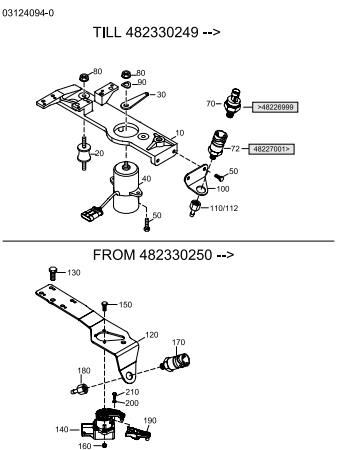
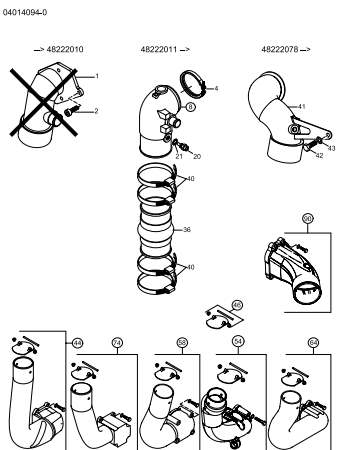
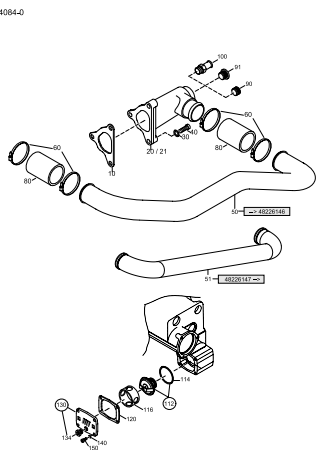
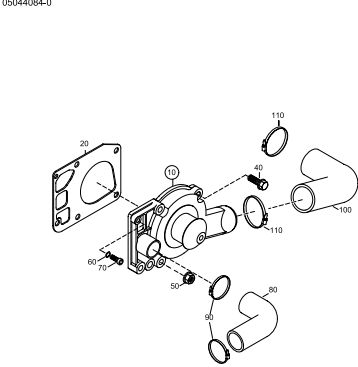
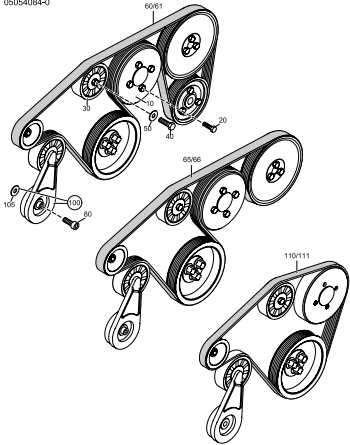
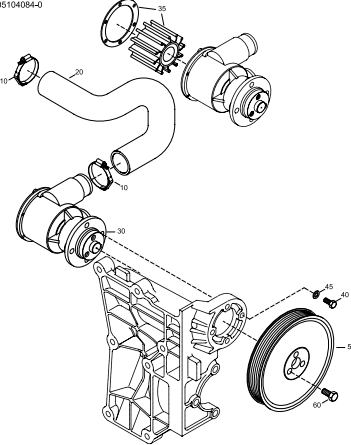
Page 58 CONTR. SOLENOID, POTENTIOMETER 	Page 60 FUEL FILTER 	Page 62 GLOW PLUG 
Page 64 POT. ACCELER., BOOST PRESSURE SENSOR 	Page 66 HIGH RISER, EXHAUST PIPE MO144M38 	Page 68 WATER PIPE, THERMOSTAT 
Page 70 WATER PUMP 	Page 72 DRIVE BELTS, PULLEYS, TENSIONER 	Page 74 RAW WATER PUMP 



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TURBO DIESEL
+ SOLAS

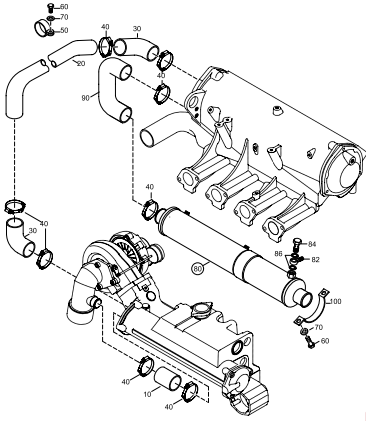
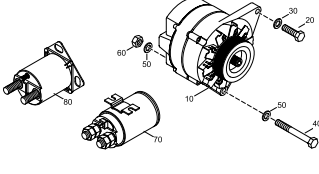
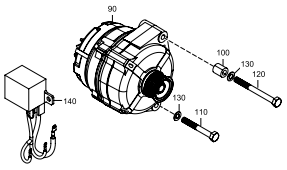
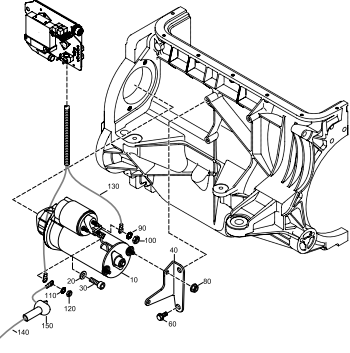
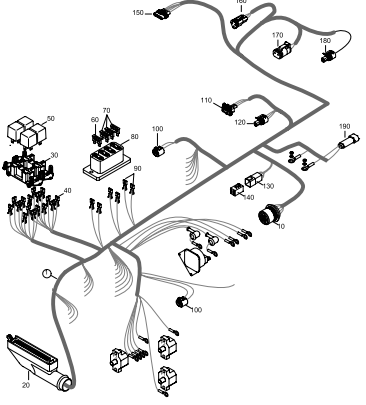
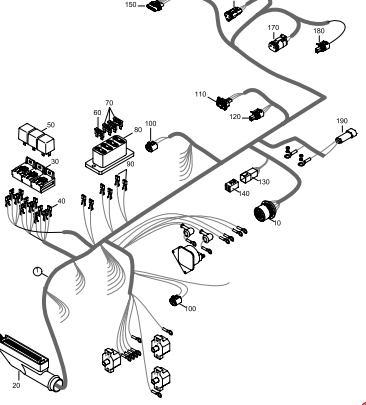
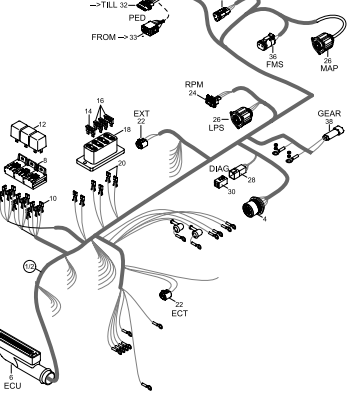
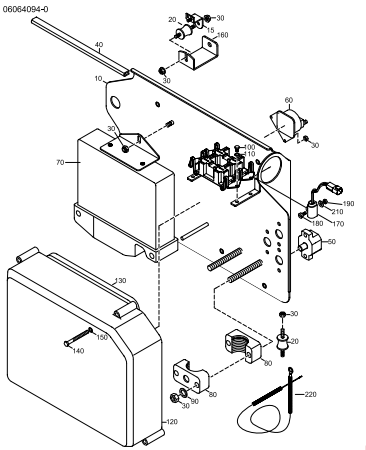
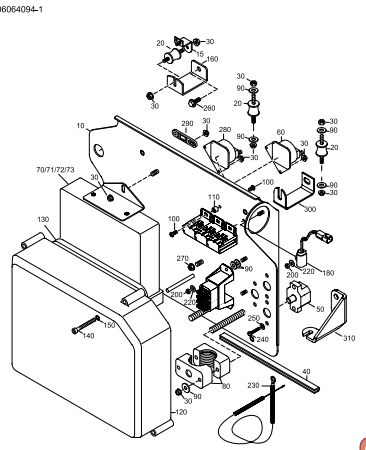
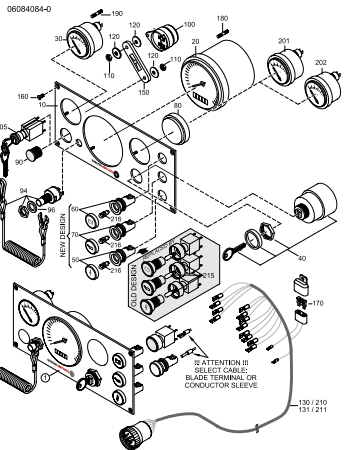
Page 76 RAW WATER PIPES, FUEL-OIL COOLER 05124094-0  	Page 78 ALTERNATOR 06014084-0 TILL --> 482330249  FROM 482330250 -->  	Page 80 STARTER 06034084-0  
Page 82 ENGINE HARNESS -->48221066 06054094-0  	Page 84 ENGINE HARNESS 48221067 --> 48226999 06054094-1  	Page 86 ENGINE HARNESS 48227001--> 06054084-2  
Page 88 SECURETY SYSTEM, ECU, E-BOX -->48221066 06064094-0  	Page 90 SECURETY SYSTEM, ECU, E-BOX 48221067--> 06064094-1  	Page 94 INSTR. PANEL STANDARD TILL 2010 06084084-0  





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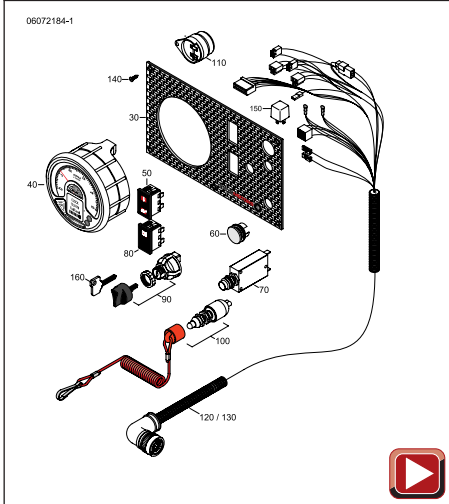
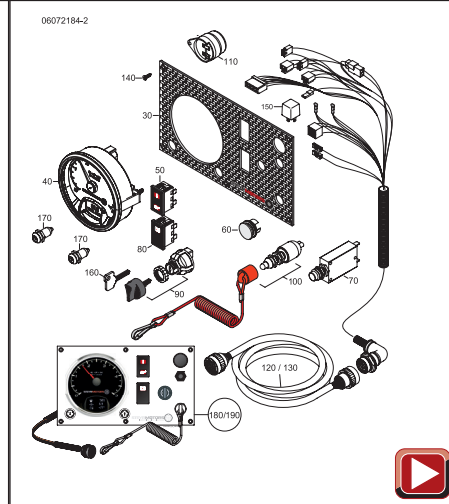
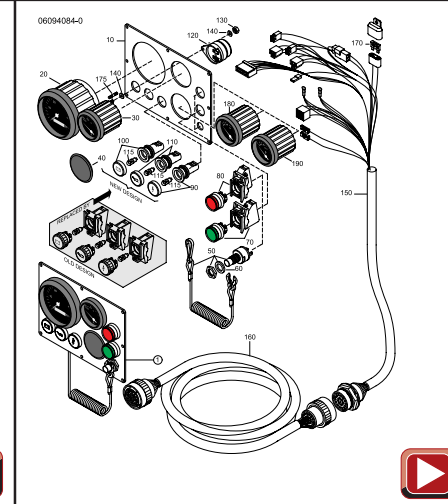
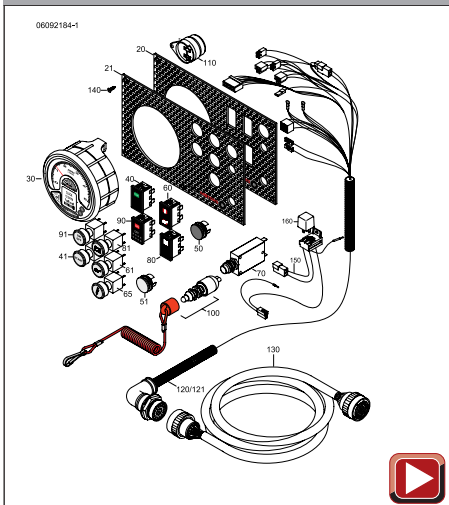
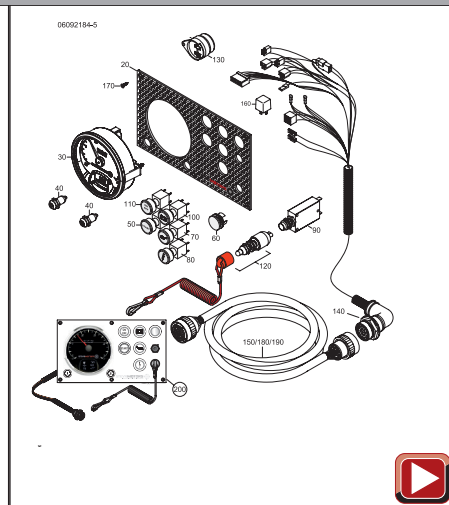
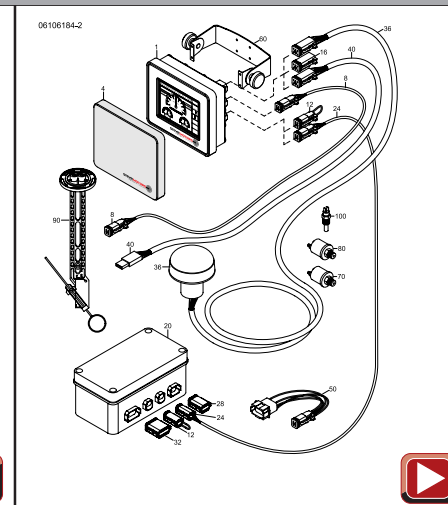
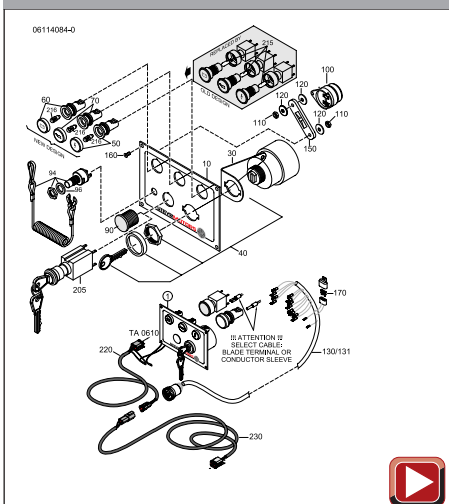
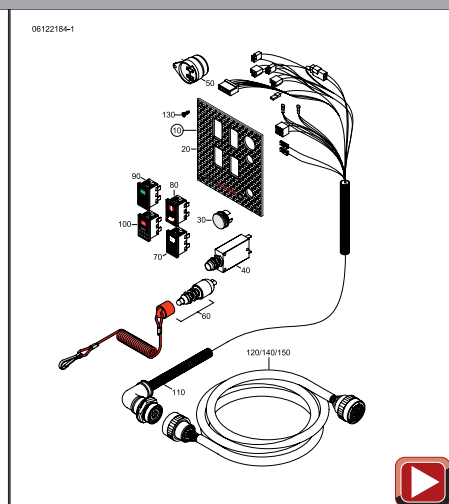
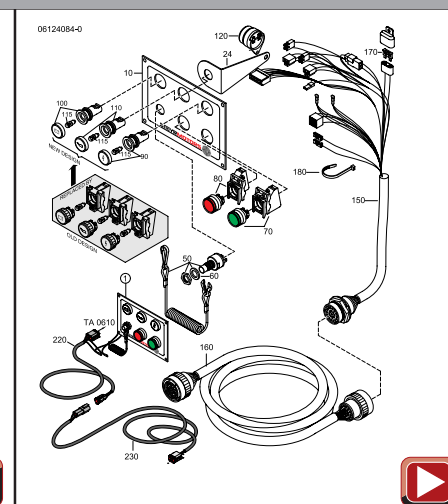
Page 96 INSTR. PANEL STANDARD 2010-2013/08	Page 98 INSTR. PANEL STANDARD 2013/08-->	Page 100 INSTR. PANEL SOLAS TILL 2010
		
Page 102 INSTR. PANEL SOLAS 2010-2013/08	Page 104 INSTR. PANEL SOLAS 2013/08-->	Page 106 DISPLAY (ACCESSORY)
		
Page 108 SWITCH PANEL FOR DISPLAY TILL 2010	Page 110 SWITCH PANEL FOR DISPLAY FROM 2010	Page 112 PUSH BUTTON PANEL FOR DISPLAY TILL 2010
		



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TURBO DIESEL
+ **SOLAS**

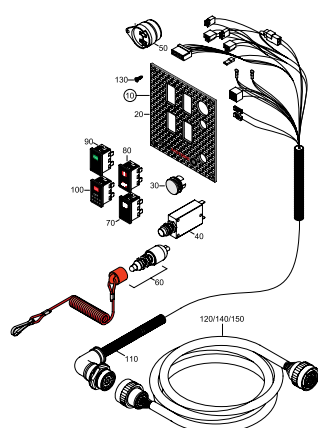
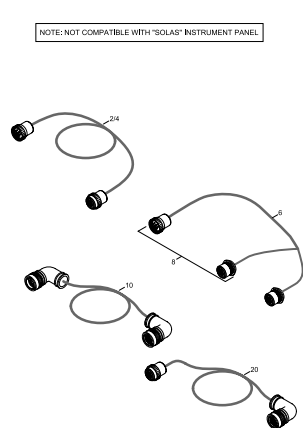
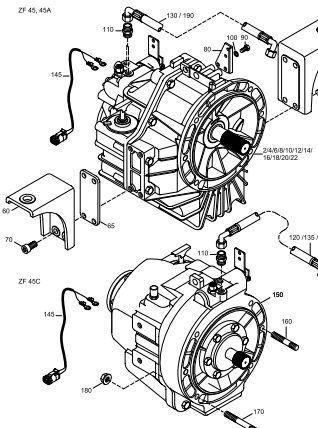
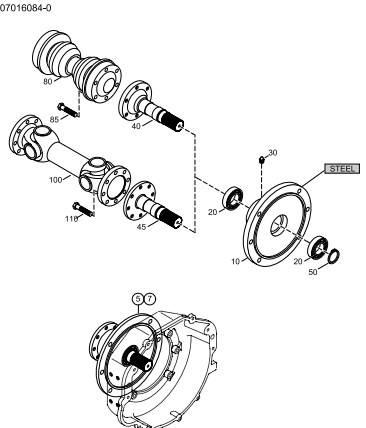
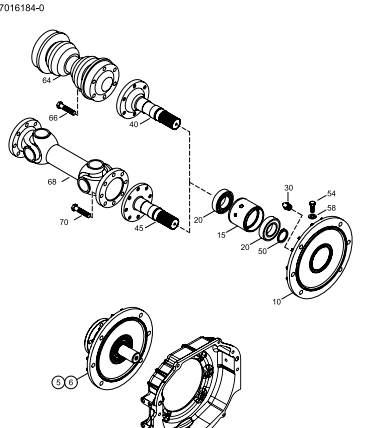
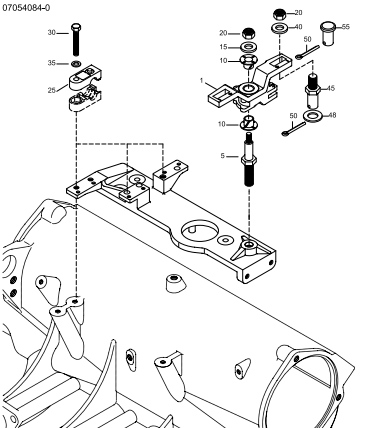
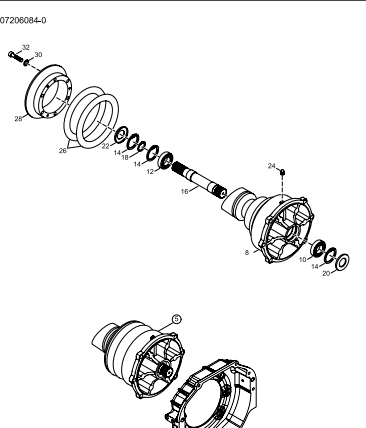
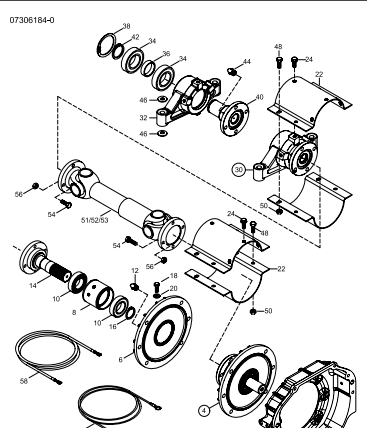
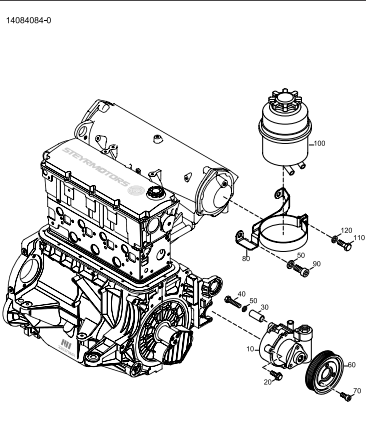
Page 114 PUSH BUTTON PANEL FOR DISPLAY FROM 2010 08122184-1  	Page 116 EXTENSION CABLE INSTR. (ACCESSORY) 06136184-0 NOTE: NOT COMPATIBLE WITH "SOLAS" INSTRUMENT PANEL  	Page 118 TRANSMISS., MOUNTING BRACKETS, PIPES 07054084-0 ZF 45, 45A  
Page 120 TRANSMISSION-SHAFT, PTO-SHAFT (STEEL) 07016084-0  	Page 122 TRANSMISSION-SHAFT, PTO-SHAFT (ALU) 07016184-0  	Page 124 TRANSMISSION GEAR SHIFT, CONTROLS 07054084-0  
Page 126 DRIVE ADAPTER VOLVO STERNDRIIVE 07206084-0  	Page 128 DRIVE SHAFT EXT. MERCURY STERNDRIIVE 07306184-0  	Page 130 HYDRAULIC PUMP 14084084-0  

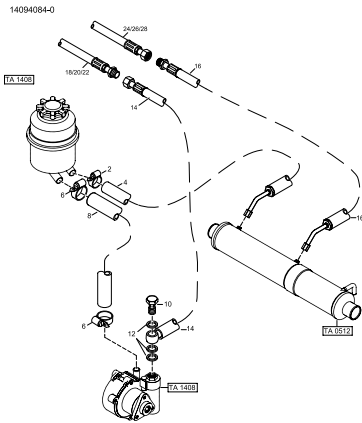




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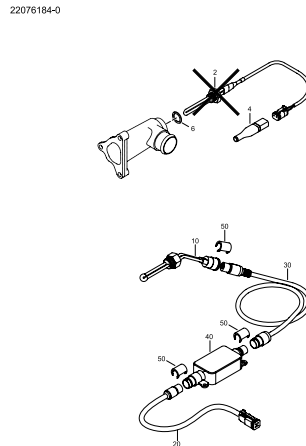
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HYDRAULIC PIPES



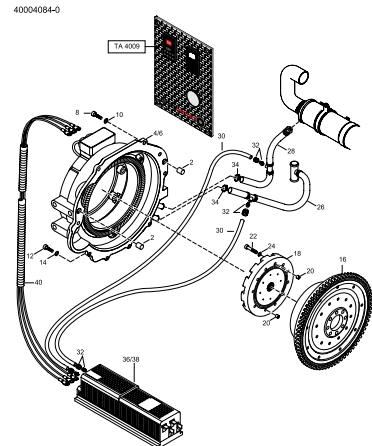
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ENGINE PREHEATING



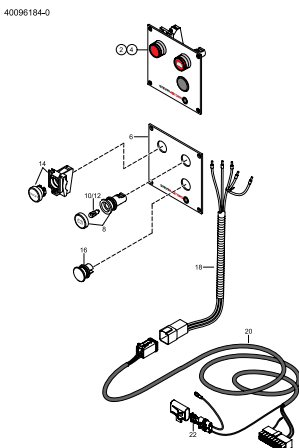
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INTEGR. FLYWHEEL GENERATOR (IFG)



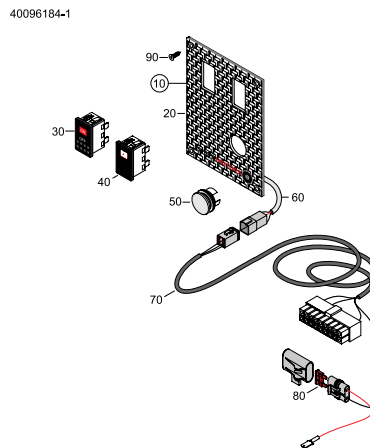
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PUSH BUTTON PANEL "IFG" TILL 2010



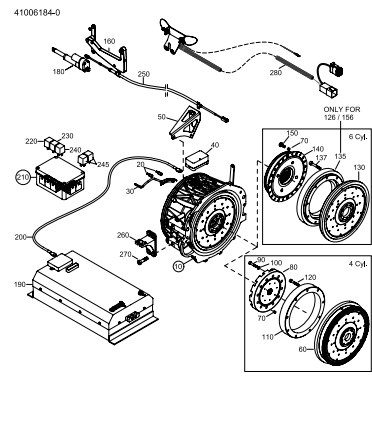
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PUSH BUTTON PANEL "IFG" FROM 2010



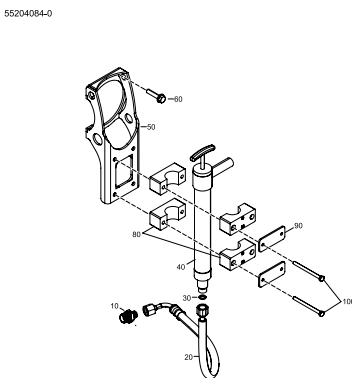
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HYBRID



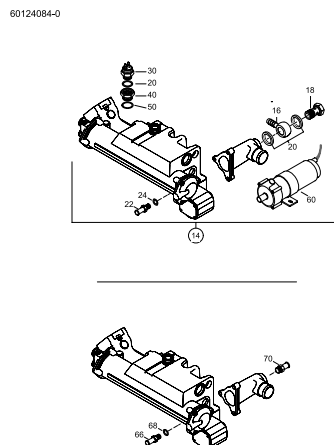
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OIL SUCTION PUMP



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HEATING UNIT, CIRCULATION PUMP



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GENERAL OPERATING MATERIAL





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164 MARINE
TURBO DIESEL
+ SOLAS



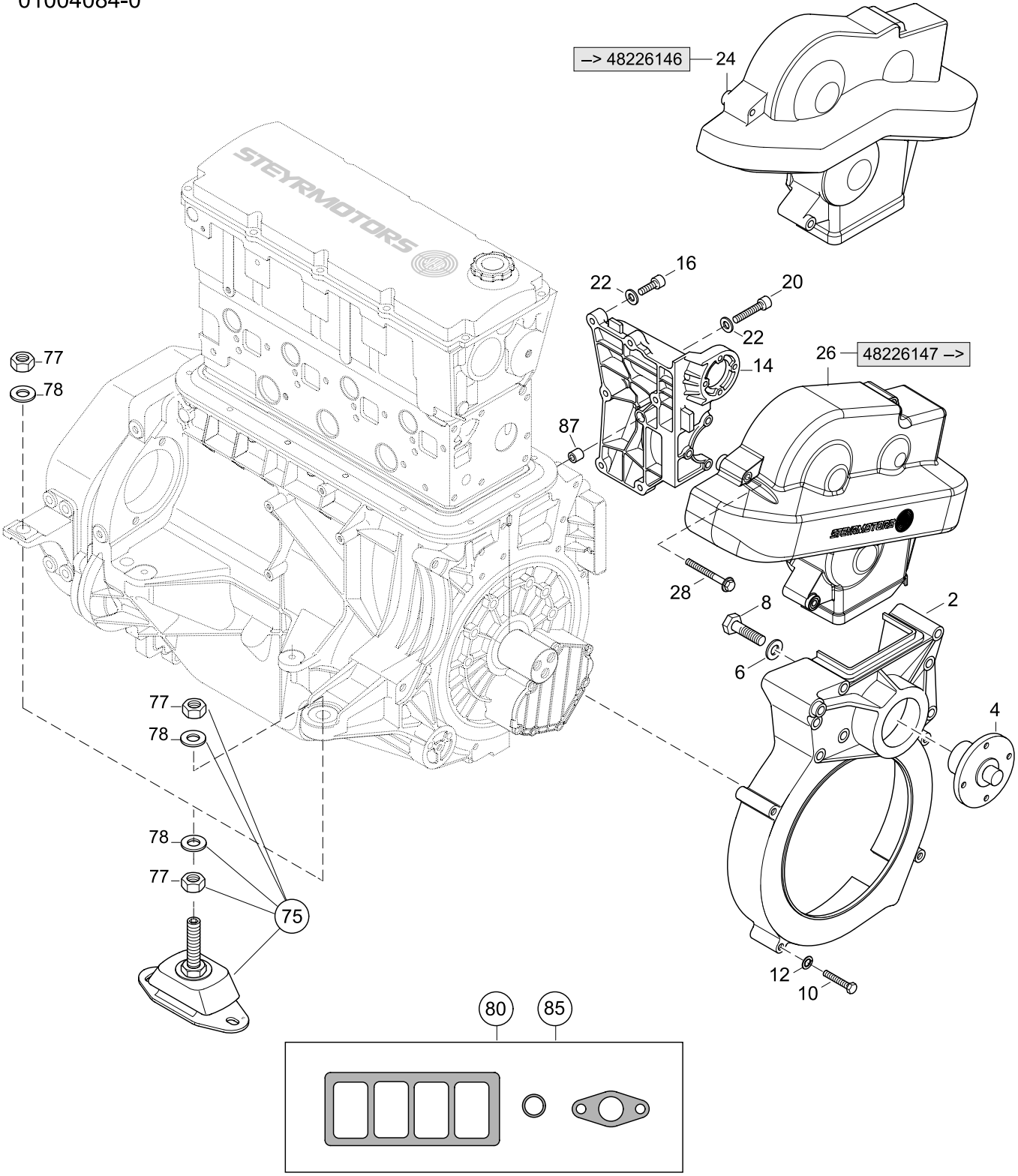


TA 0100

164 MARINE
TURBO DIESEL
+ SOLAS

MOUNT BRACKET, LIFTING EYE, GASKET SET

01004084-0



MOUNT BRACKET, LIFTING EYE, GASKET SET

164 MARINE
TURBO DIESEL
+ SOLAS

01004048-0

[illegible]

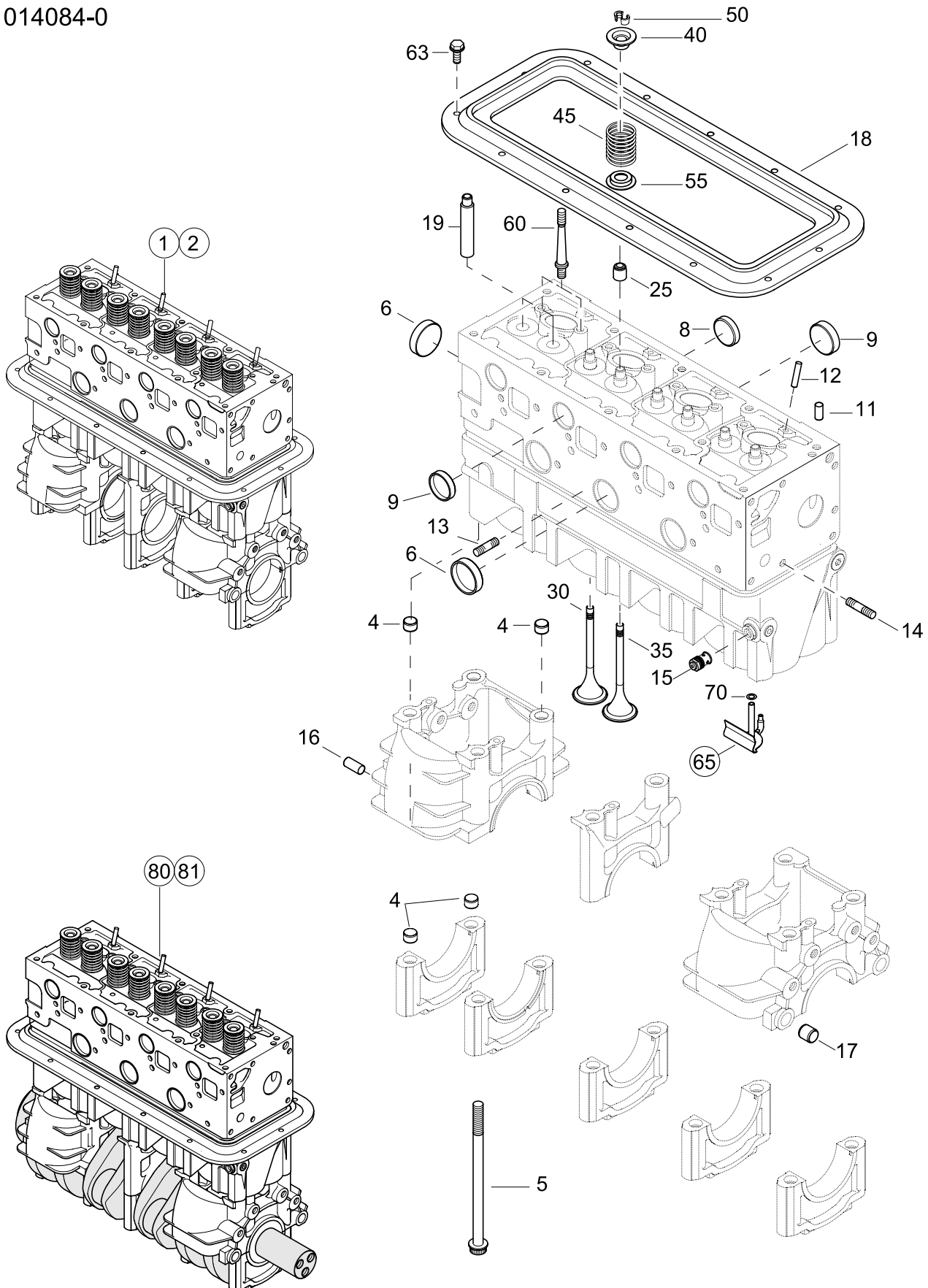


TA 0101

164 MARINE
TURBO DIESEL
+ SOLAS

CRANKCASE

01014084-0



CRANKCASE

164 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



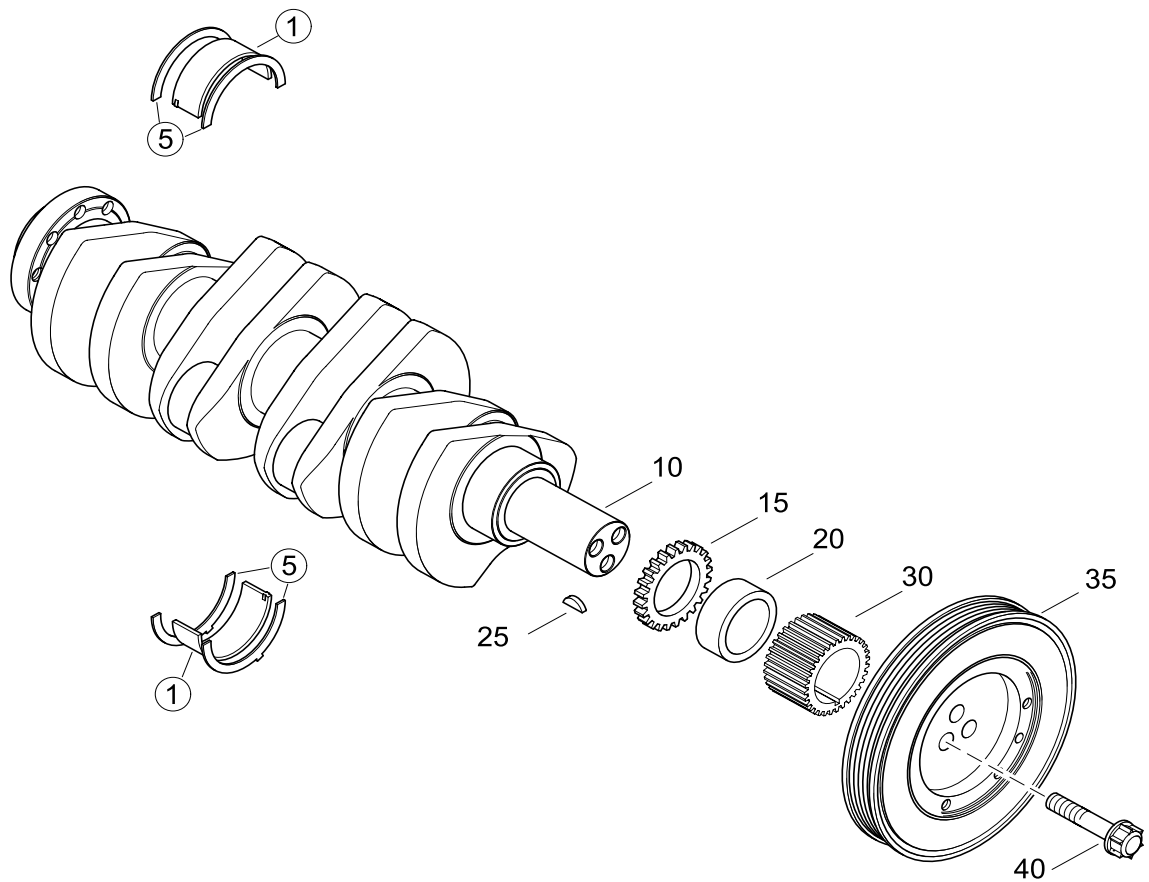


TA 0102

164 MARINE
TURBO DIESEL
+ SOLAS

CRANKSHAFT, BEARING, DAMPER

01024084-0



CRANKSHAFT, BEARING, DAMPER

164 MARINE
TURBO DIESEL
+ SOLAS

01024084-0

[illegible]

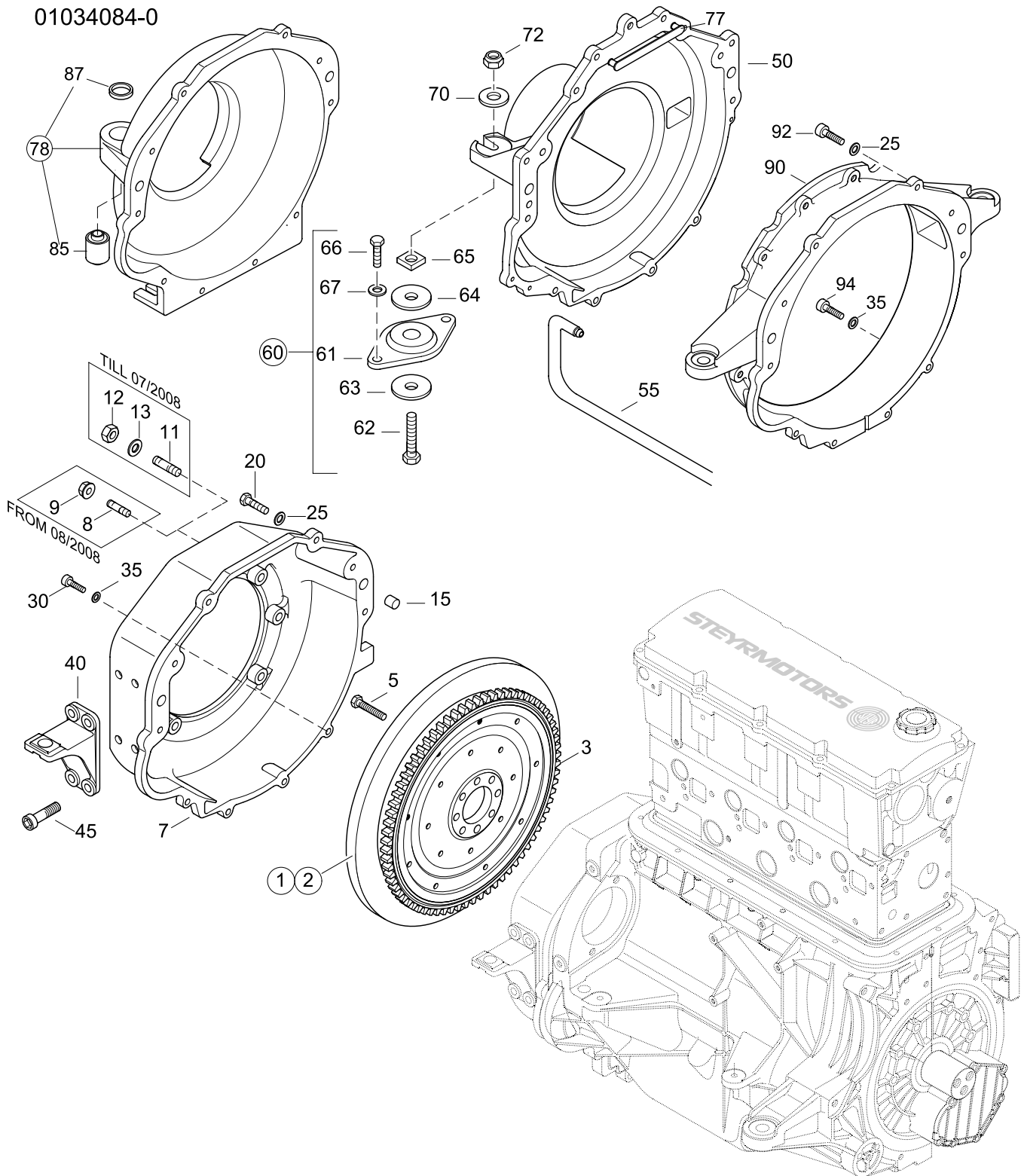


TA 0103

164 MARINE
TURBO DIESEL
+ SOLAS

FLYWHEEL, FLYWHEEL HOUSING

01034084-0



FLYWHEEL, FLYWHEEL HOUSING

164 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



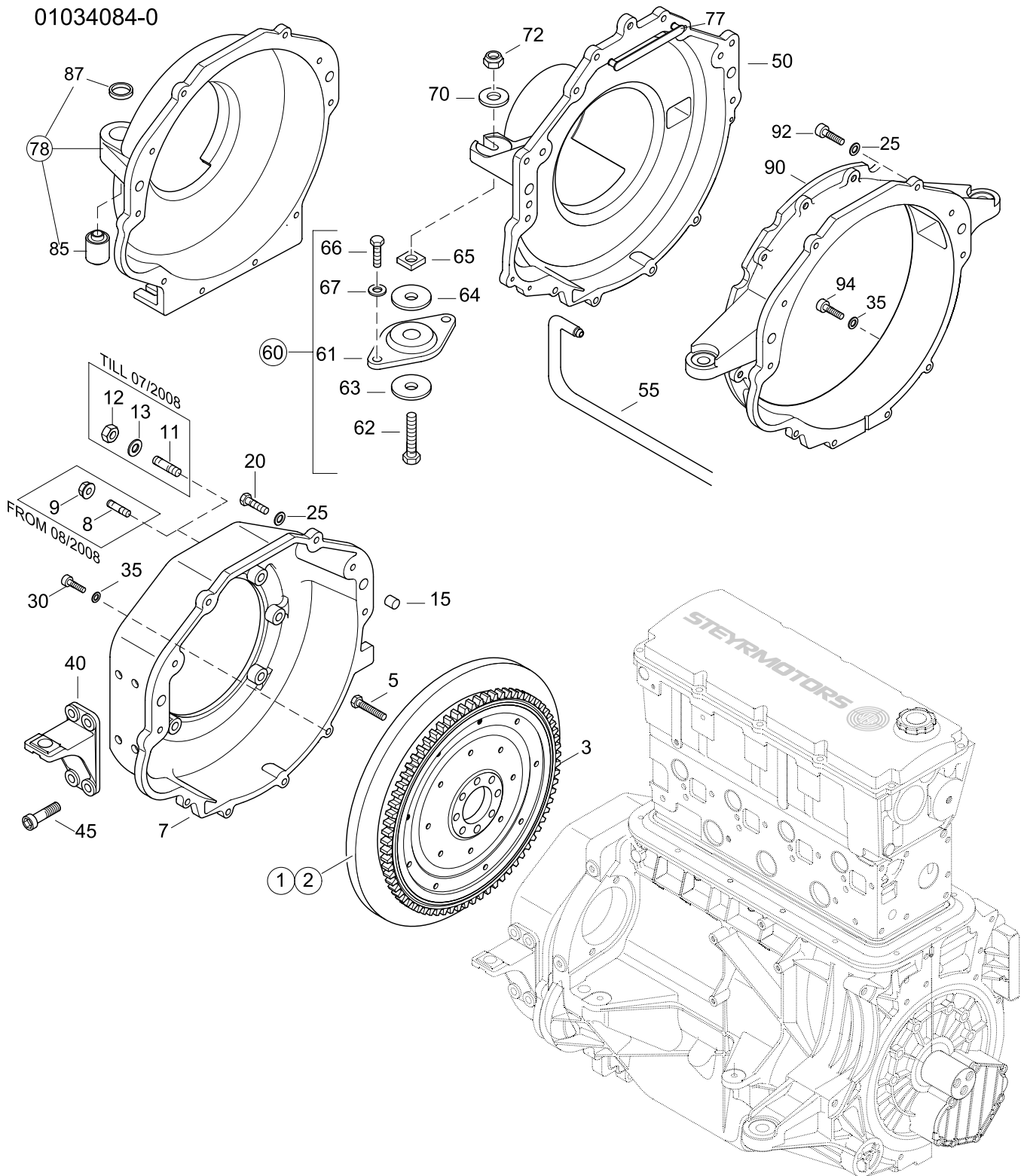


TA 0103

164 MARINE
TURBO DIESEL
+ SOLAS

FLYWHEEL, FLYWHEEL HOUSING

01034084-0



FLYWHEEL, FLYWHEEL HOUSING

164 MARINE
TURBO DIESEL
+ SOLAS

01034084-0

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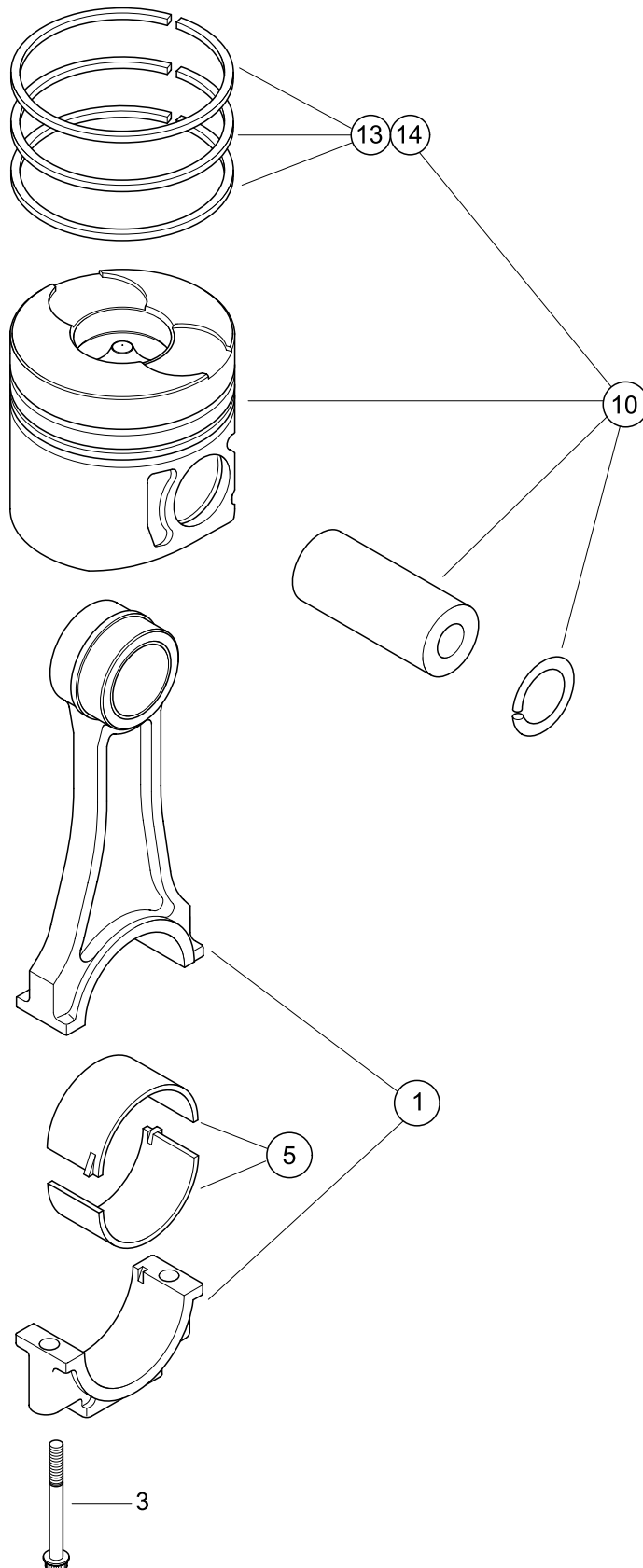


TA 0104

164 MARINE
TURBO DIESEL
+ SOLAS

PISTON, RINGS AND PIN, CONNECTION ROD

01044084-0



PISTON, RINGS AND PIN, CONNECTION ROD

164 MARINE
TURBO DIESEL
+ SOLAS

01044084-0

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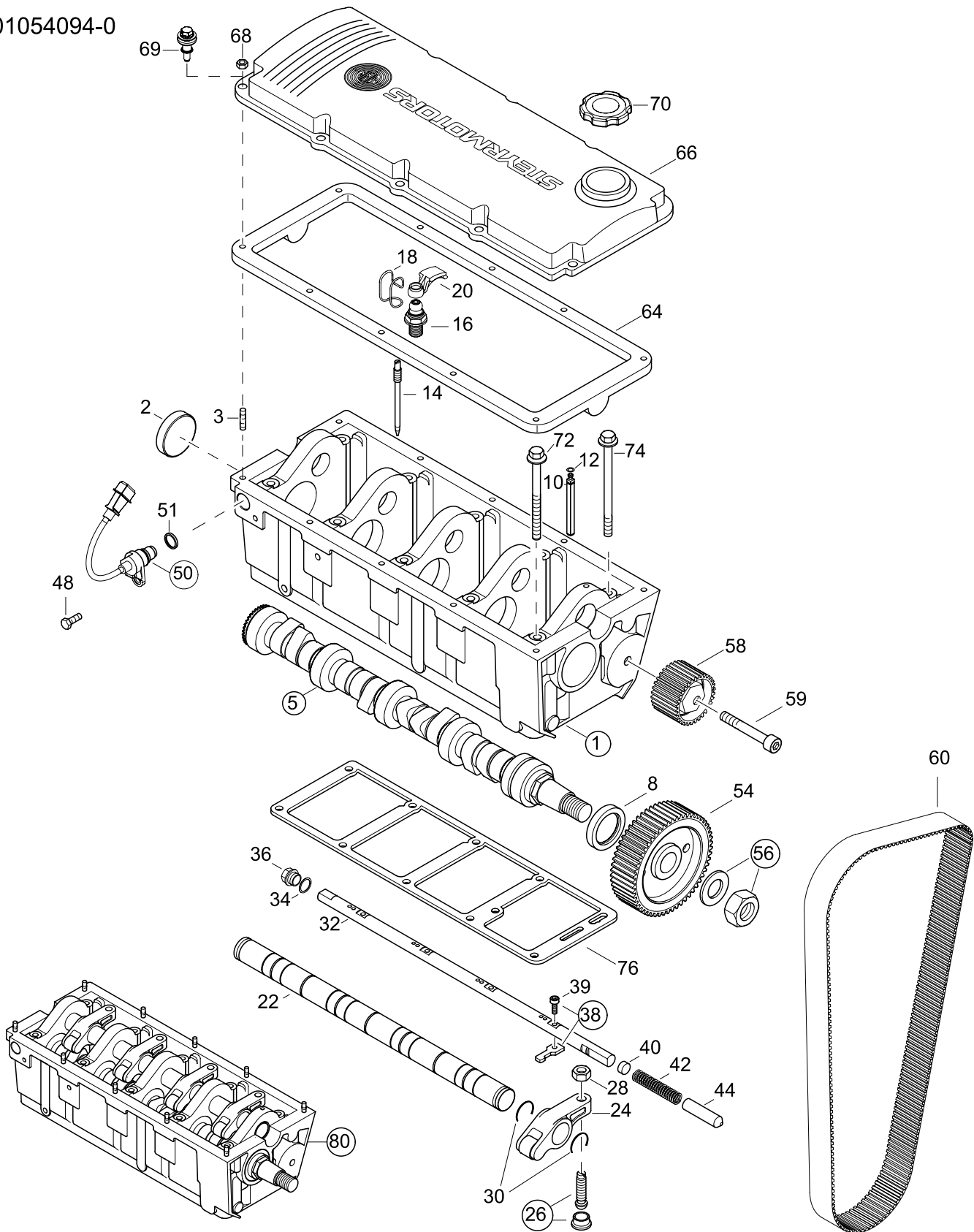


TA 0105

164 MARINE
TURBO DIESEL
+ SOLAS

CAMSHAFT, CAMSHAFT HOUSING

01054094-0



CAMSHAFT, CAMSHAFT HOUSING

164 MARINE
TURBO DIESEL
+ SOLAS

01054094-0

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-ZnNi8/Cn/T2	.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



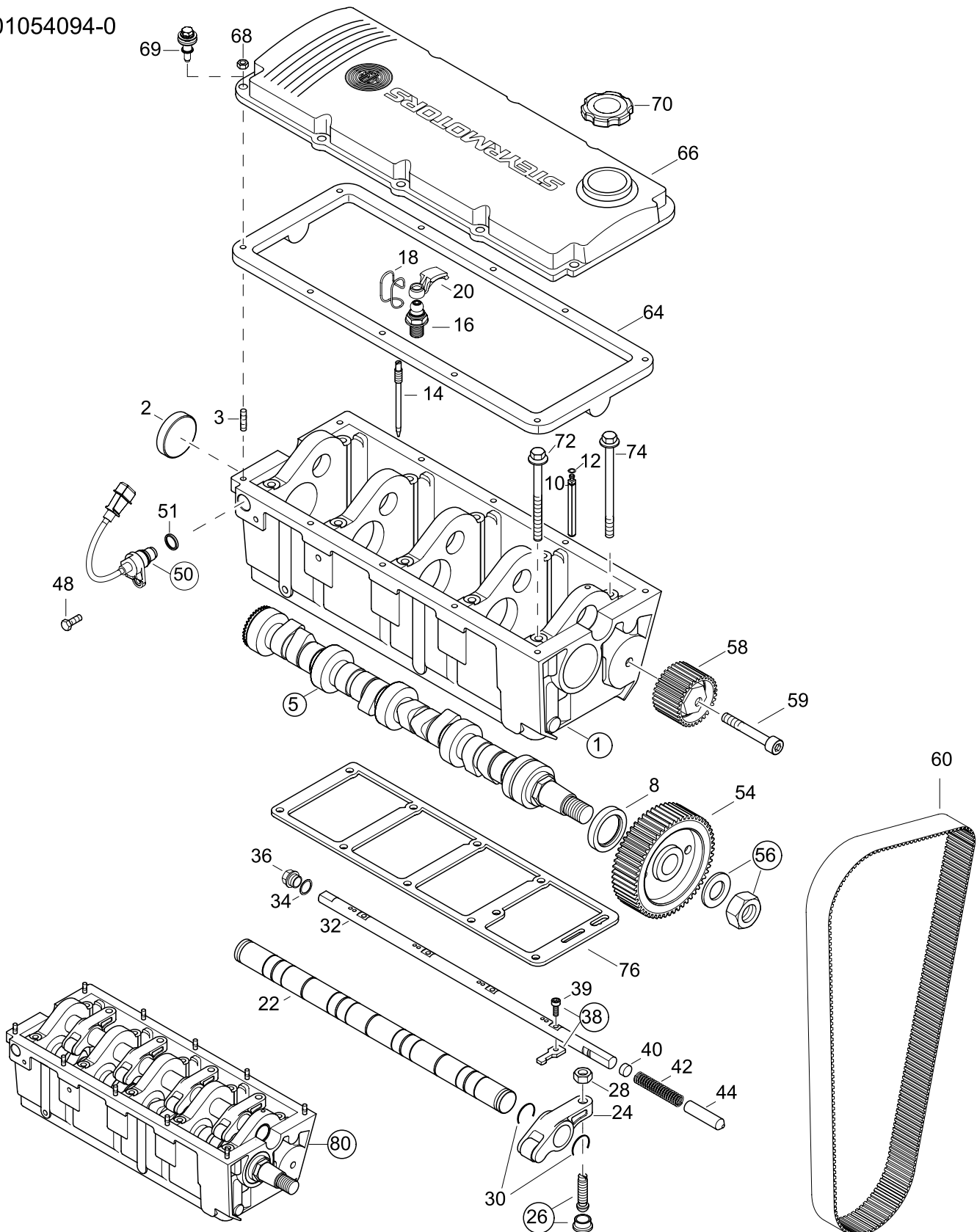


TA 0105

164 MARINE
TURBO DIESEL
+ SOLAS

CAMSHAFT, CAMSHAFT HOUSING

01054094-0



CAMSHAFT, CAMSHAFT HOUSING

164 MARINE
TURBO DIESEL
+ SOLAS

01054094-0

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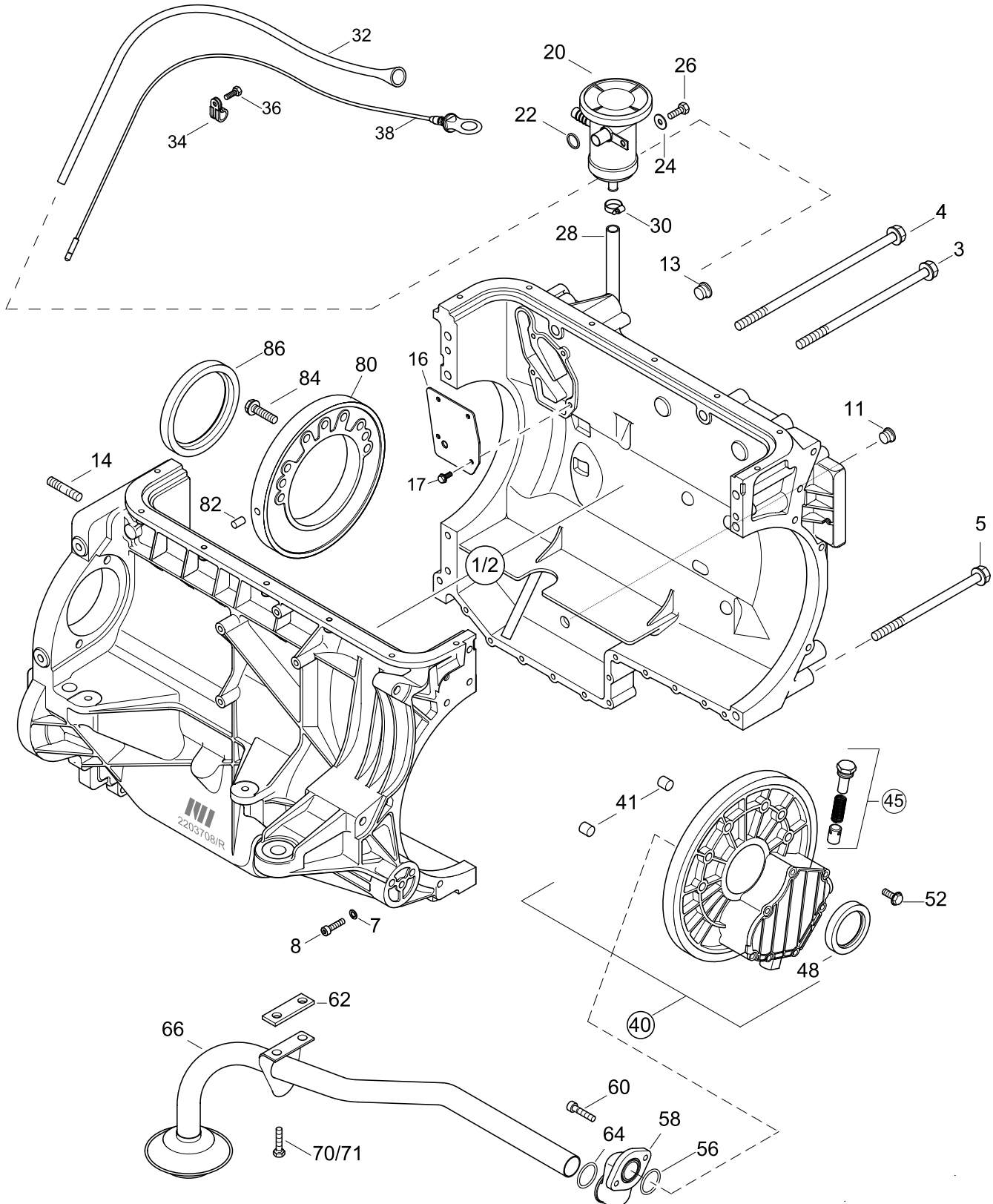


TA 0106

164 MARINE
TURBO DIESEL
+ SOLAS

OILPUMP, OILPIPE, OILPAN

01064084-0



OILPUMP, OILPIPE, OILPAN

164 MARINE
TURBO DIESEL
+ SOLAS

01064084-0

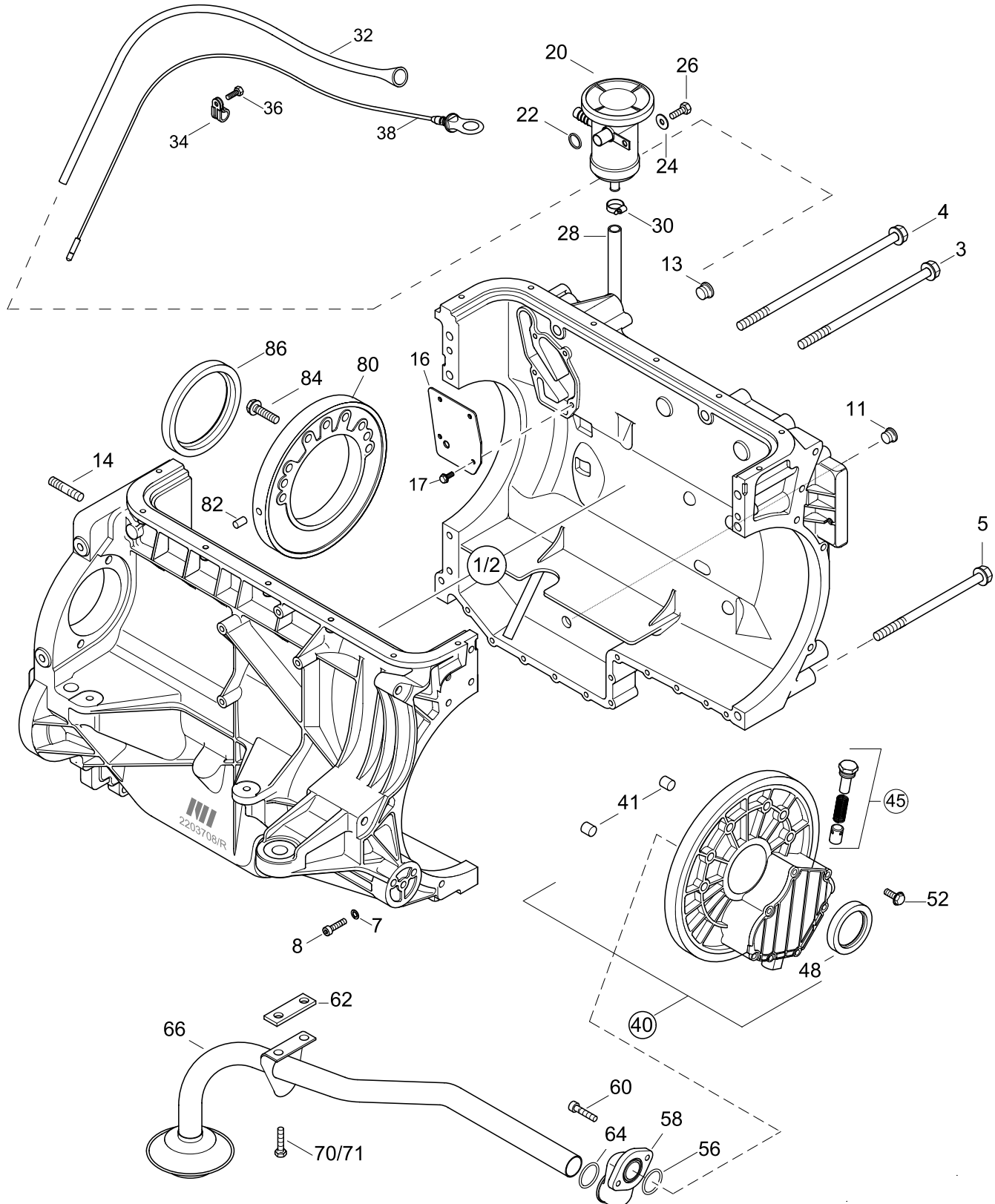
Pos.	Part.-No.	Qty	Designation	Step
1	Z002424-0	1	ENGINE HSG ASSY. -->482330249	.1
2	Z024014-0	1	ENGINE HSG ASSY. 482330250-->	.1
3	9000464-0	2	HEX.BOLT EN1665-M10x200-8.8-FLZNNC-720-L	.2
4	9000463-0	2	BOLT EN1665-M10x250-8.8-FLZNNC-720H-L	.2
5	9000392-0	3	BOLT EN1665-M10x160-8.8-FLZNNC-720H-L	.2
7	3932008-0	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





OILPUMP, OILPIPE, OILPAN

01064084-0



OILPUMP, OILPIPE, OILPAN

164 MARINE
TURBO DIESEL
+ SOLAS

01064084-0

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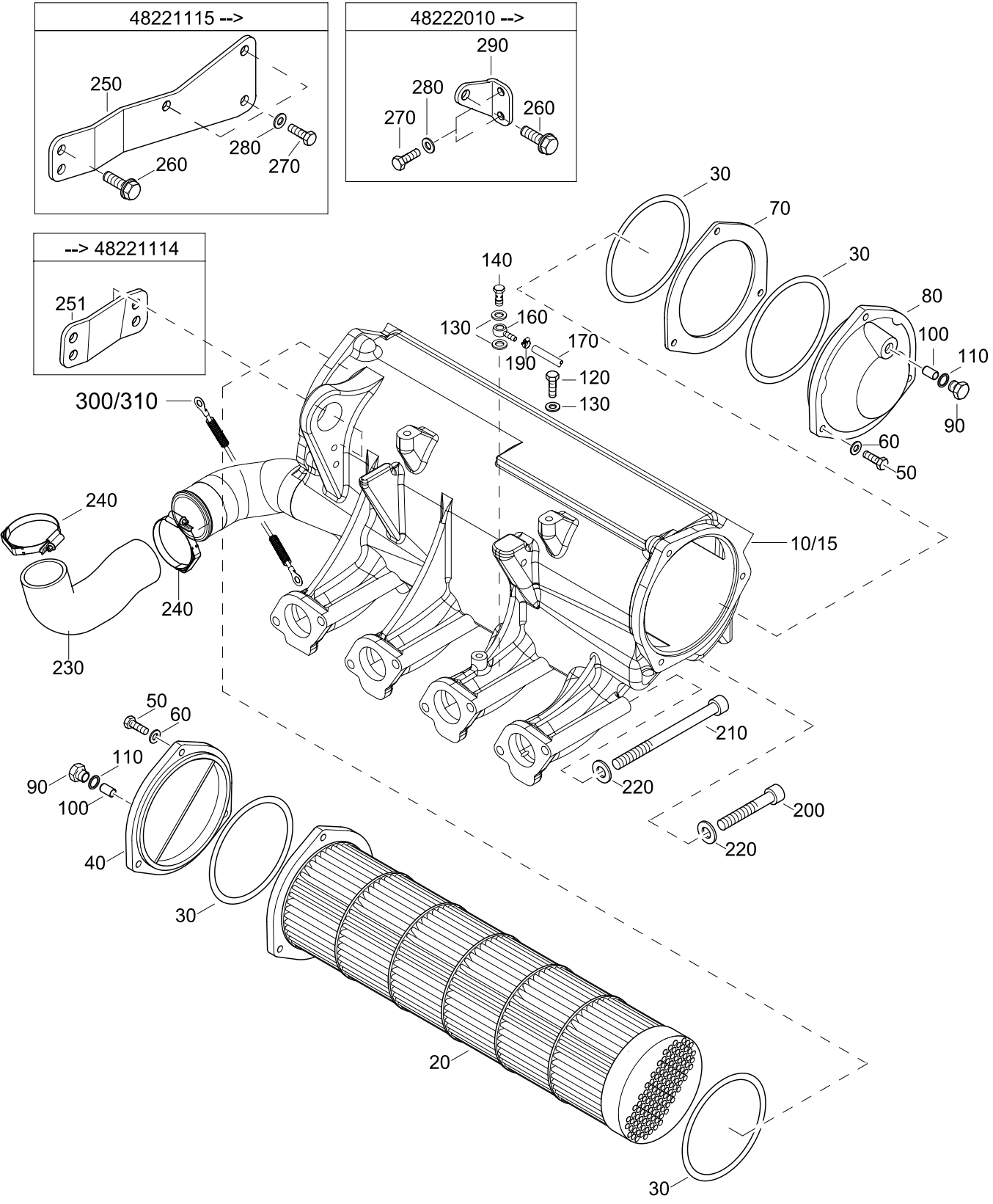


TA 0108

164 MARINE
TURBO DIESEL
+ SOLAS

INTERCOOLER

01084094-0



INTERCOOLER

164 MARINE
TURBO DIESEL
+ SOLAS

01084094-0

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	11869	1	HOLLOW SCREW M8x1 DIN 7643-4-3-A3C	.1
160	2203796-0	1	BANJO NUT DM8	.1
170	2203665-1	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	2203830-0	1	CHARGE AIR HOSE	.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
280	3930070-0	5	WASHER ISO 7089-6-A4-200HV	.1
290	2203789-2	1	SHACKLE 48222010-->	.1
300	2206210-1	1	GROUND WIRE -->482290263	.1
310	2178968-0	1	GROUND WIRE 482290264-->	.1



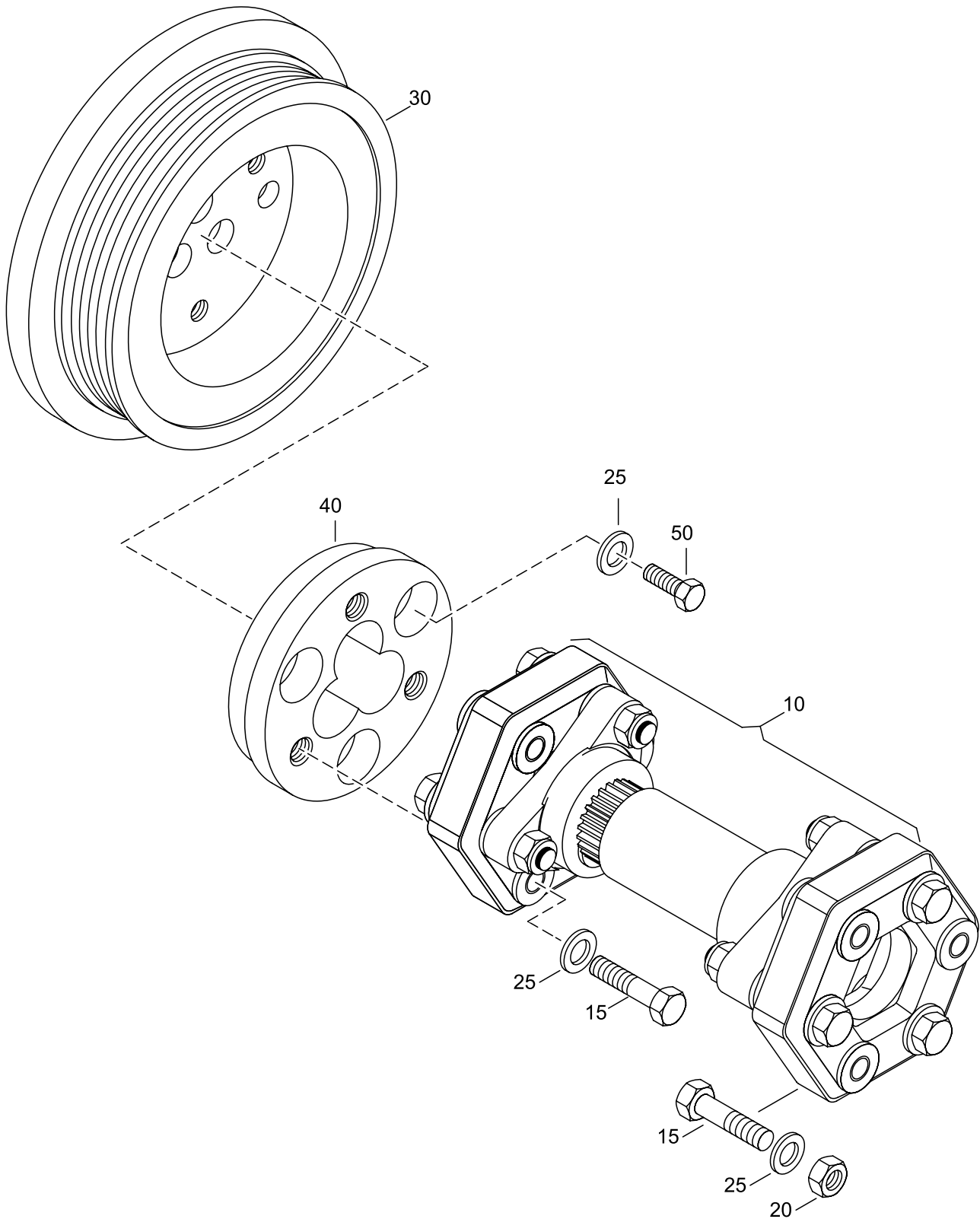


TA 0109

164 MARINE
TURBO DIESEL
+ SOLAS

POWER TAKE OFF FRONT

01094084-0



POWER TAKE OFF FRONT

164 MARINE
TURBO DIESEL
+ SOLAS

01094084-0

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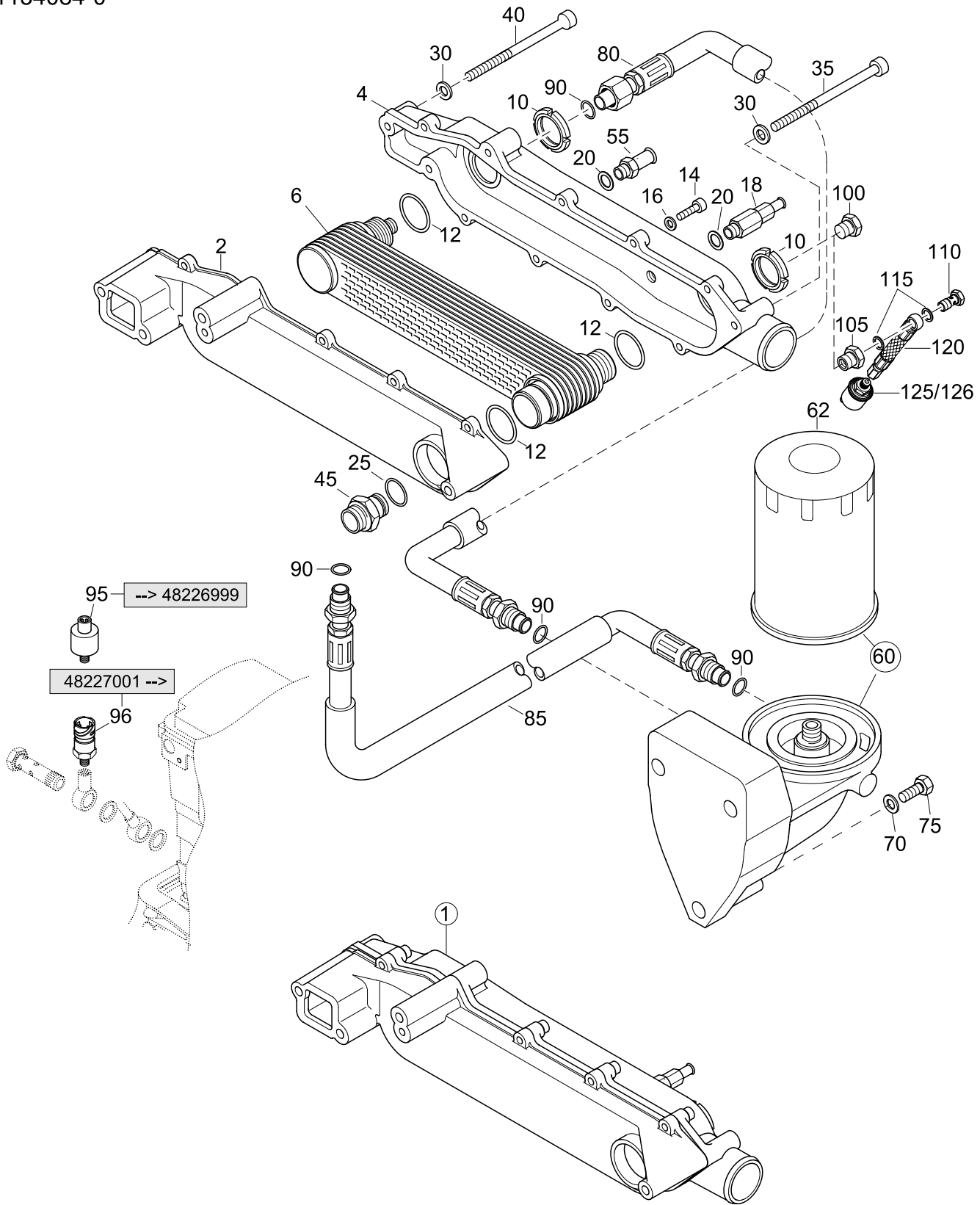


TA 0113

164 MARINE
TURBO DIESEL
+ SOLAS

OILCOOLER

01134084-0



OILCOOLER

164 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



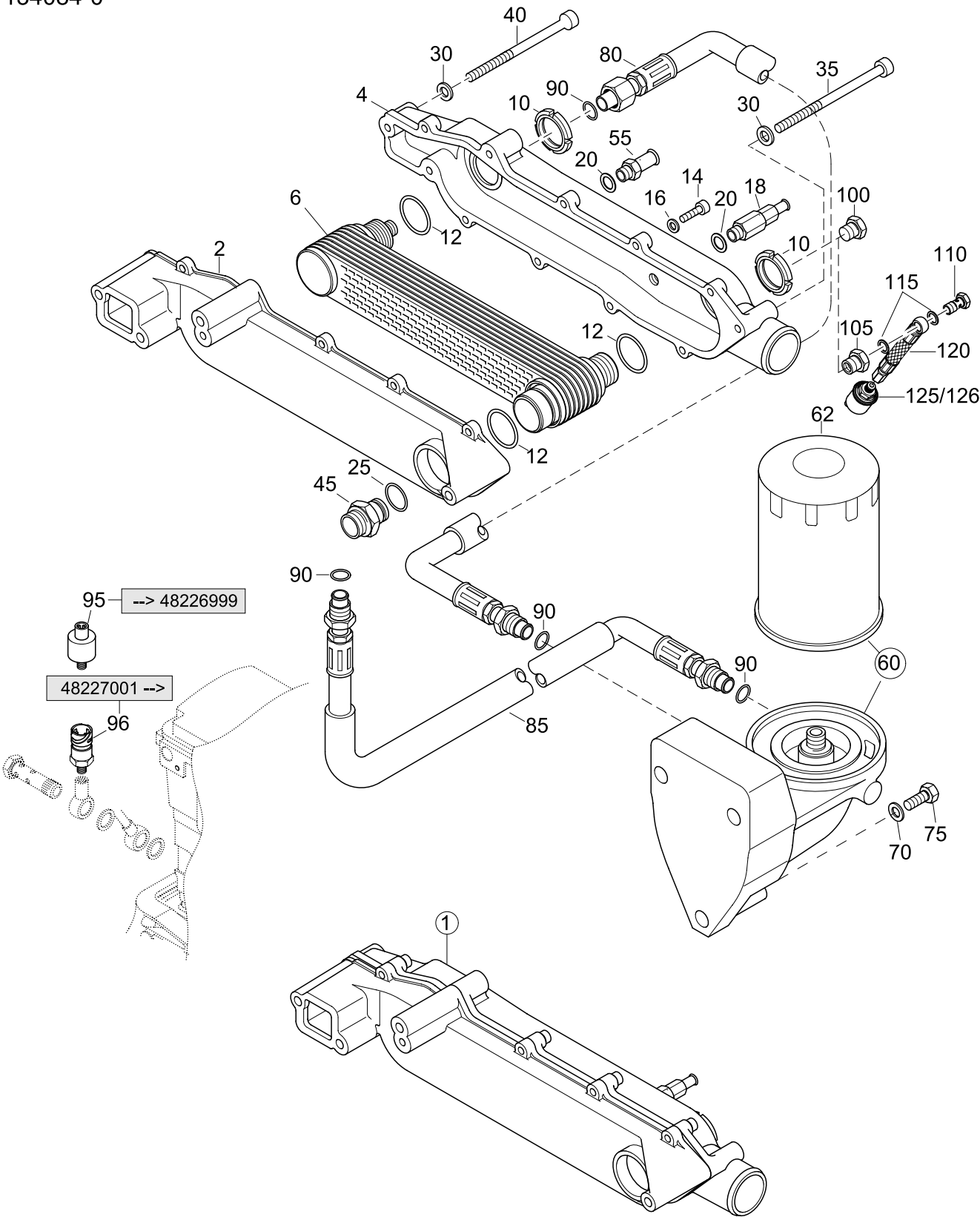


TA 0113

164 MARINE
TURBO DIESEL
+ SOLAS

OILCOOLER

01134084-0



OILCOOLER

164 MARINE
TURBO DIESEL
+ SOLAS

01134084-0

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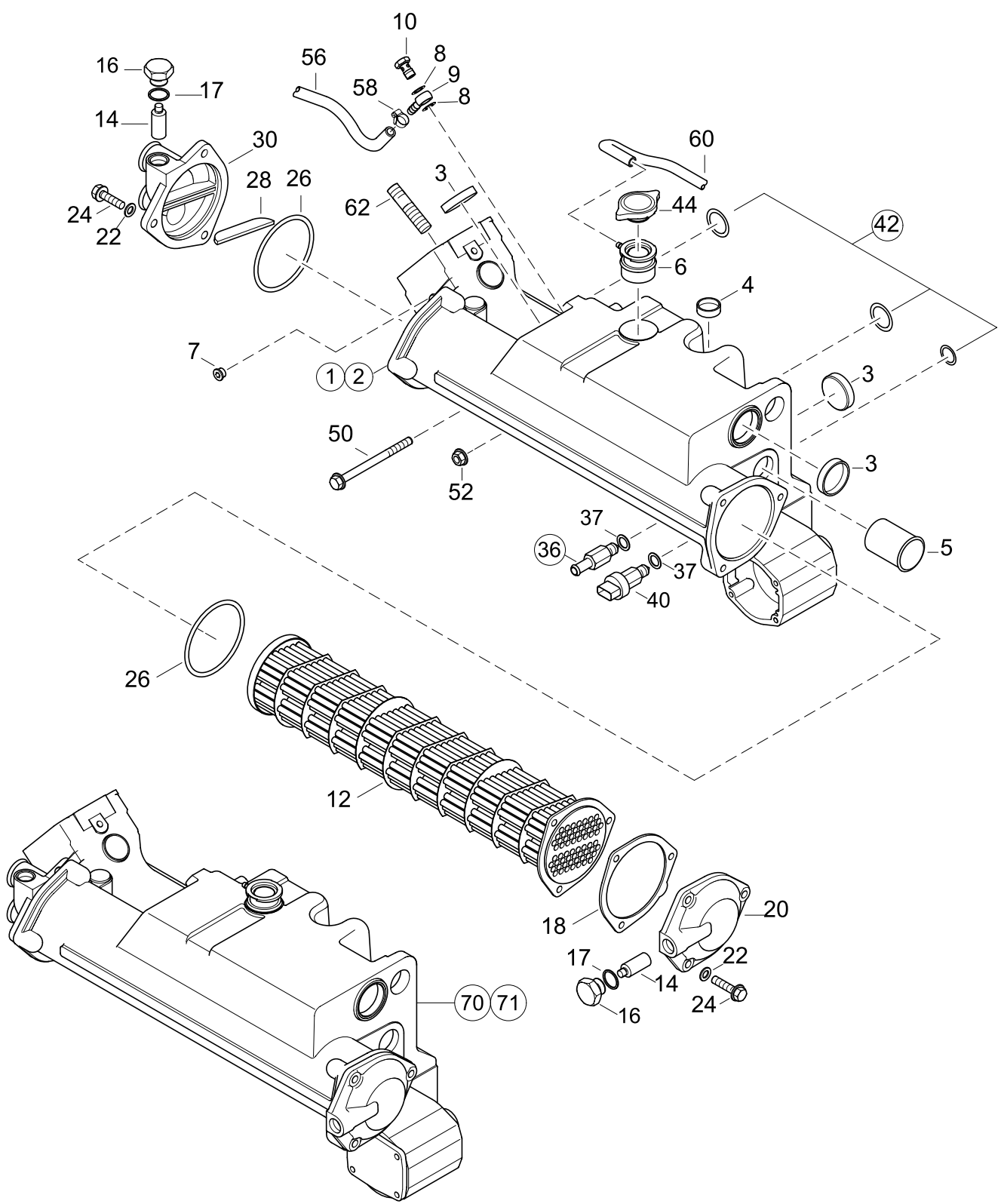


TA 0114

164 MARINE
TURBO DIESEL
+ SOLAS

EXHAUST, HEAT EXCHANGER -->482341169

01144084-0



EXHAUST, HEAT EXCHANGER -->482341169

164 MARINE
TURBO DIESEL
+ SOLAS

01144084-0

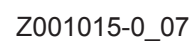
Pos.	Part.-No.	Qty	Designation	Step
1	2203703-0	1	EXHAUST MANIFOLD ASSY. (RAL9006) -->48227163	.1
2	Z002433-0	1	EXHAUST MANIFOLD ASSY. (RAL9006) 48227164-->482341169	.1
3	2178112-0	3	CORE HOLE PLUG 40-8	..2
4	Z002048-0	9	CORE PLUG WITH O-RING	..2
5	2174617-0	1	PIPE FITTING	..2
6	2178331-0	1	FILLER NECK	..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





164 MARINE
TURBO DIESEL
+ SOLAS

01144084-0



EXHAUST, HEAT EXCHANGER -->482341169

164 MARINE
TURBO DIESEL
+ SOLAS

01144084-0

Z001015-0_07





164 MARINE
TURBO DIESEL
+ SOLAS

01144084-1



Z001015-0_07



EXHAUST, HEAT EXCHANGER 482341170-->

164 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



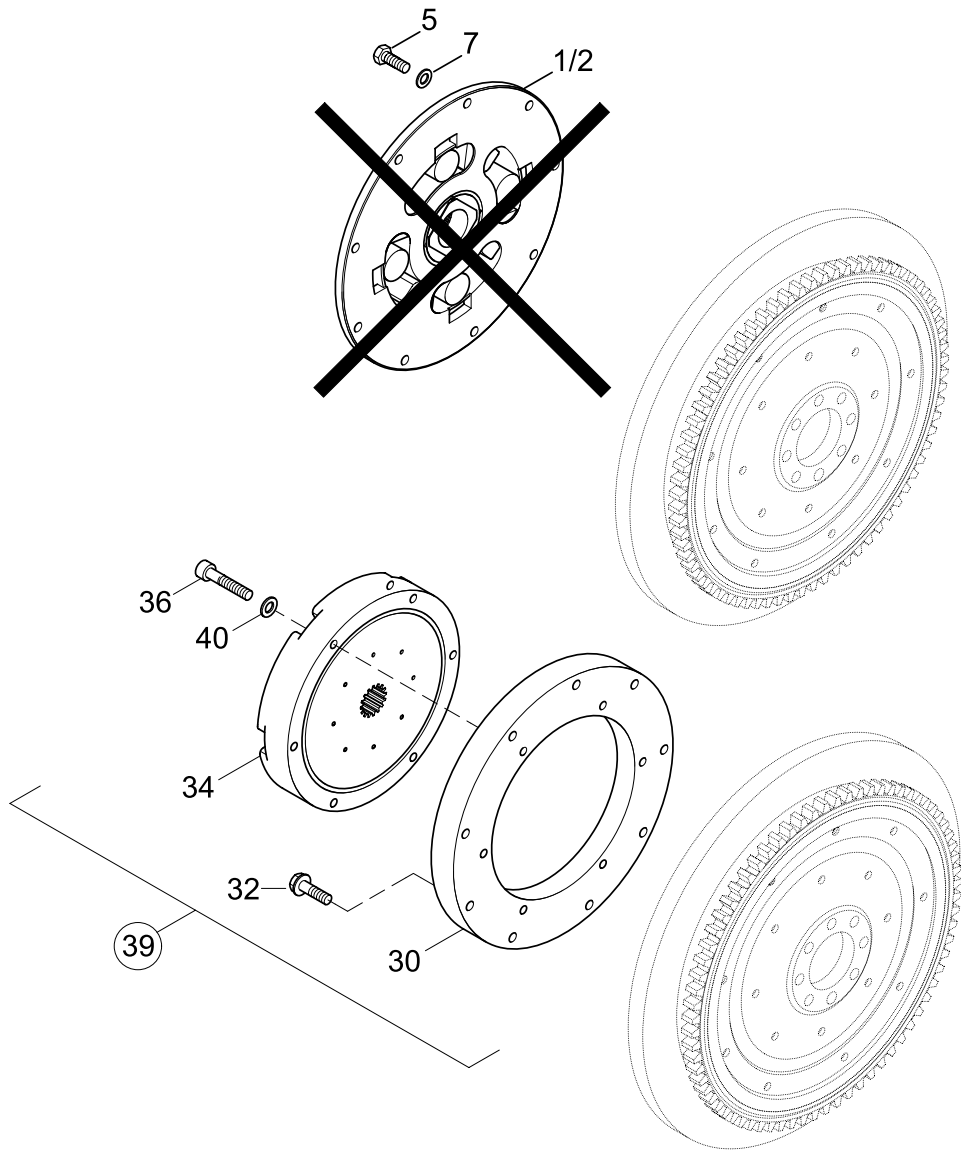


TA 0201

164 MARINE
TURBO DIESEL
+ SOLAS

COUPLER

02014084-1



COUPLER

164 MARINE
TURBO DIESEL
+ SOLAS

02014084-1

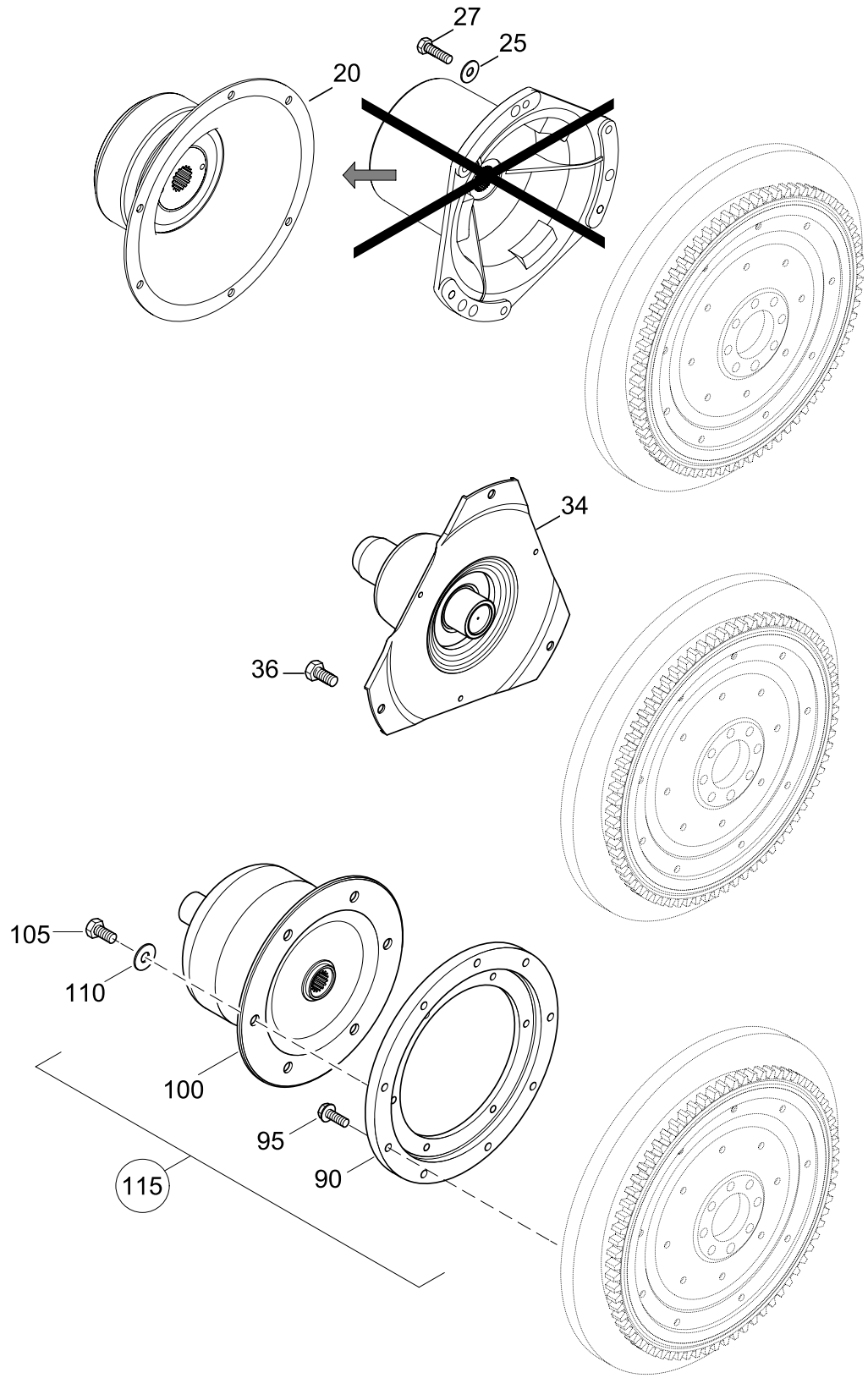
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TA 0201

164MARINE TURBO DIESEL + SOLAS	COUPLER
---	-----------------------

02014084-3



COUPLER

164 MARINE
TURBO DIESEL
+ SOLAS

02014084-3

[illegible]

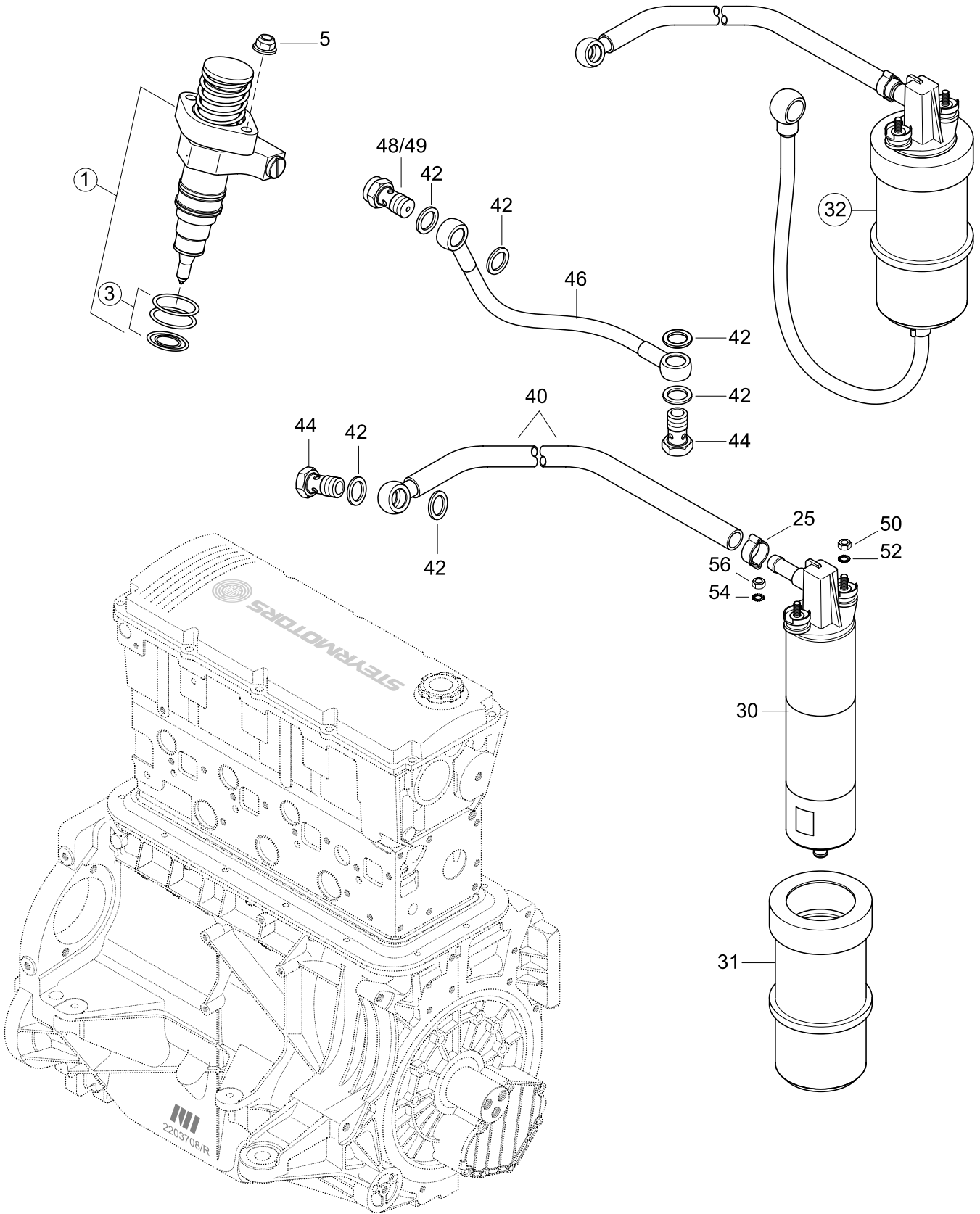


TA 0302

164 MARINE
TURBO DIESEL
+ SOLAS

FUEL PUMP, UNIT INJECTOR, PIPE

03024094-0



164 MARINE
TURBO DIESEL
+ SOLAS

03024094-0

Z001015-0 07



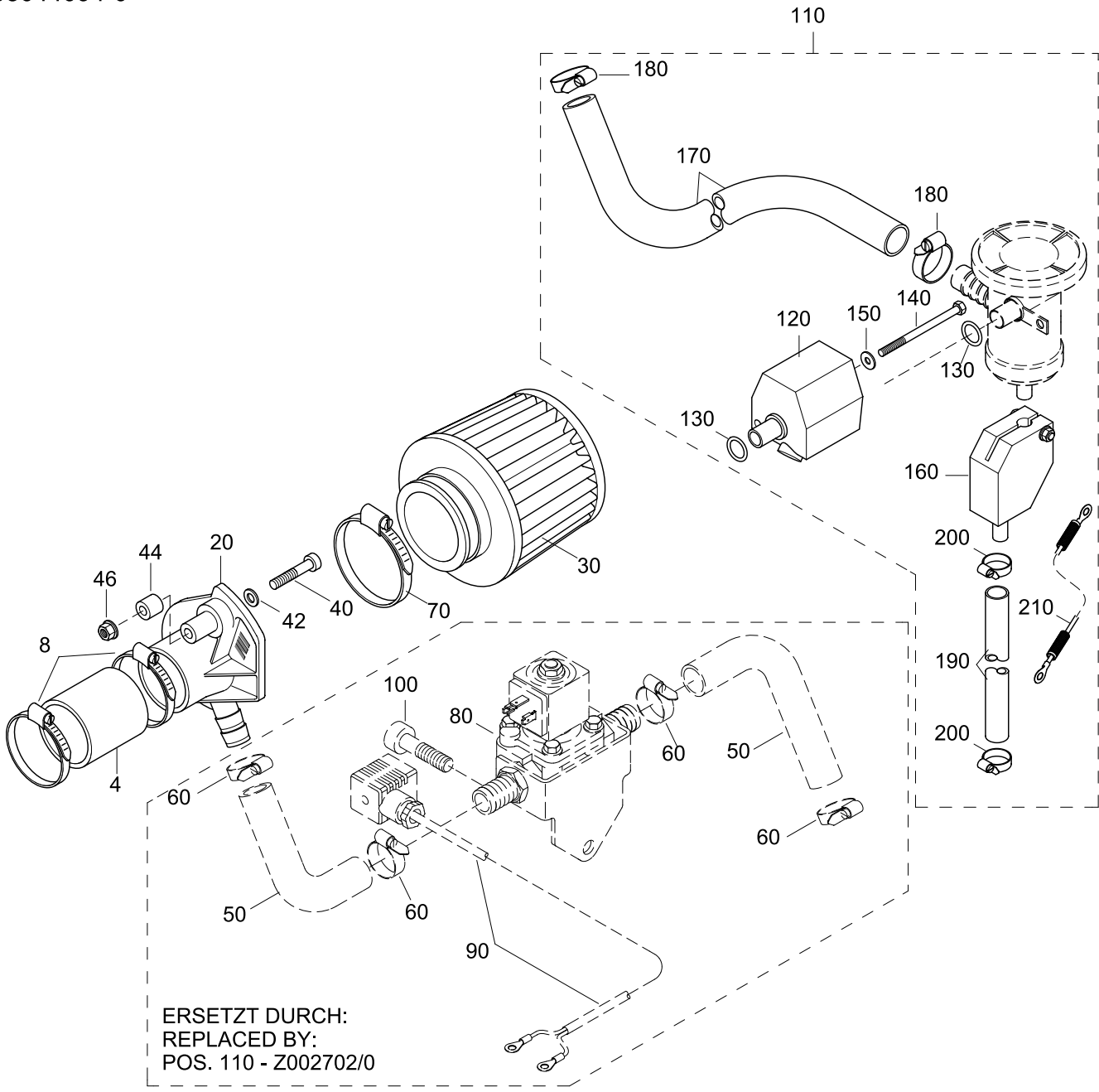


TA 0304

164 MARINE
TURBO DIESEL
+ SOLAS

AIR FILTER -->48228079

03044094-0



AIR FILTER -->48228079

164 MARINE
TURBO DIESEL
+ SOLAS

03044094-0

[illegible]

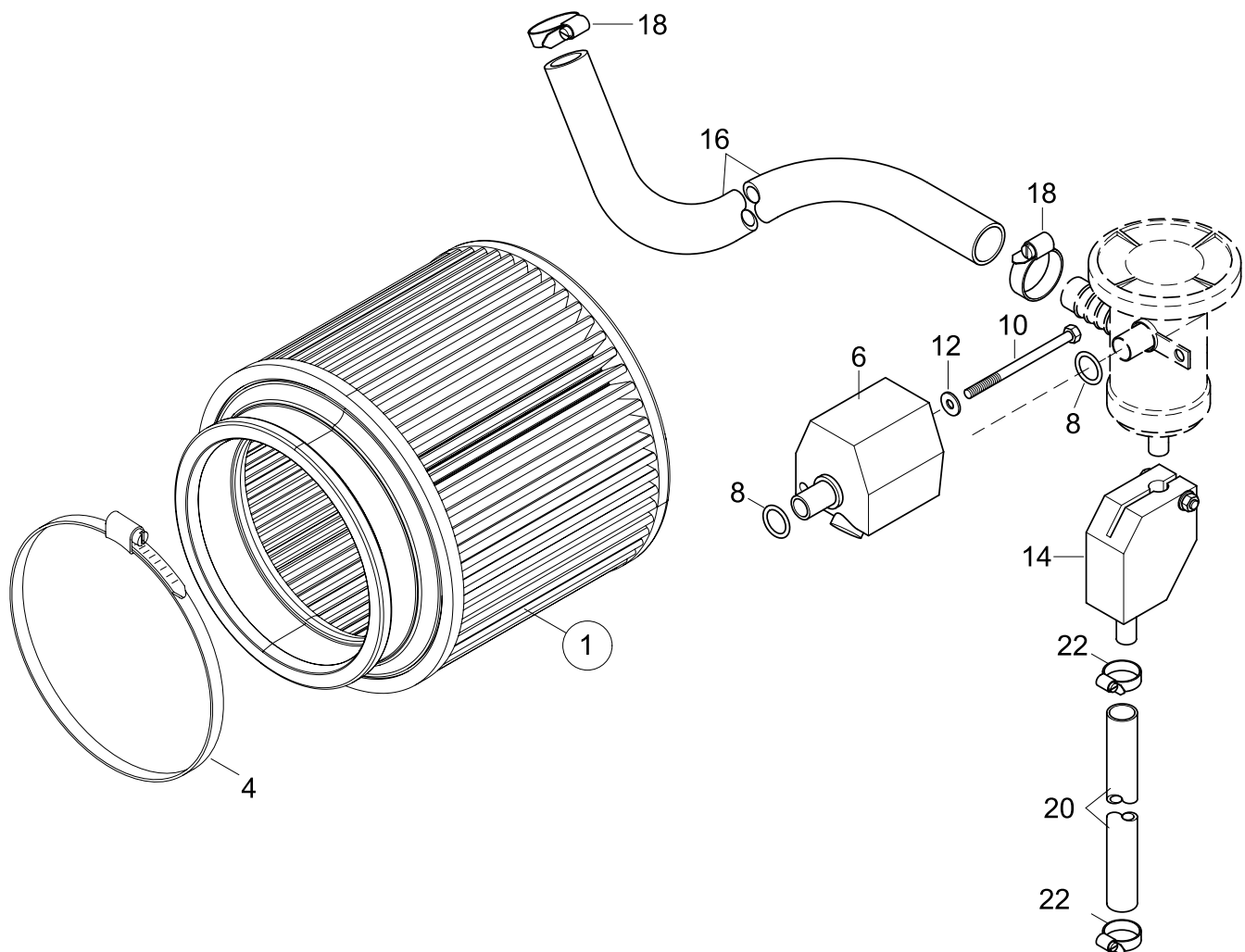


TA 0304

164 MARINE
TURBO DIESEL
+ SOLAS

AIR FILTER 48228080-->

03044094-1



164 MARINE
TURBO DIESEL
+ SOLAS

03044094-1

Z001015-0 07





TURBOCHARGER

164 MARINE
TURBO DIESEL
+ SOLAS

03054094-1

[illegible]

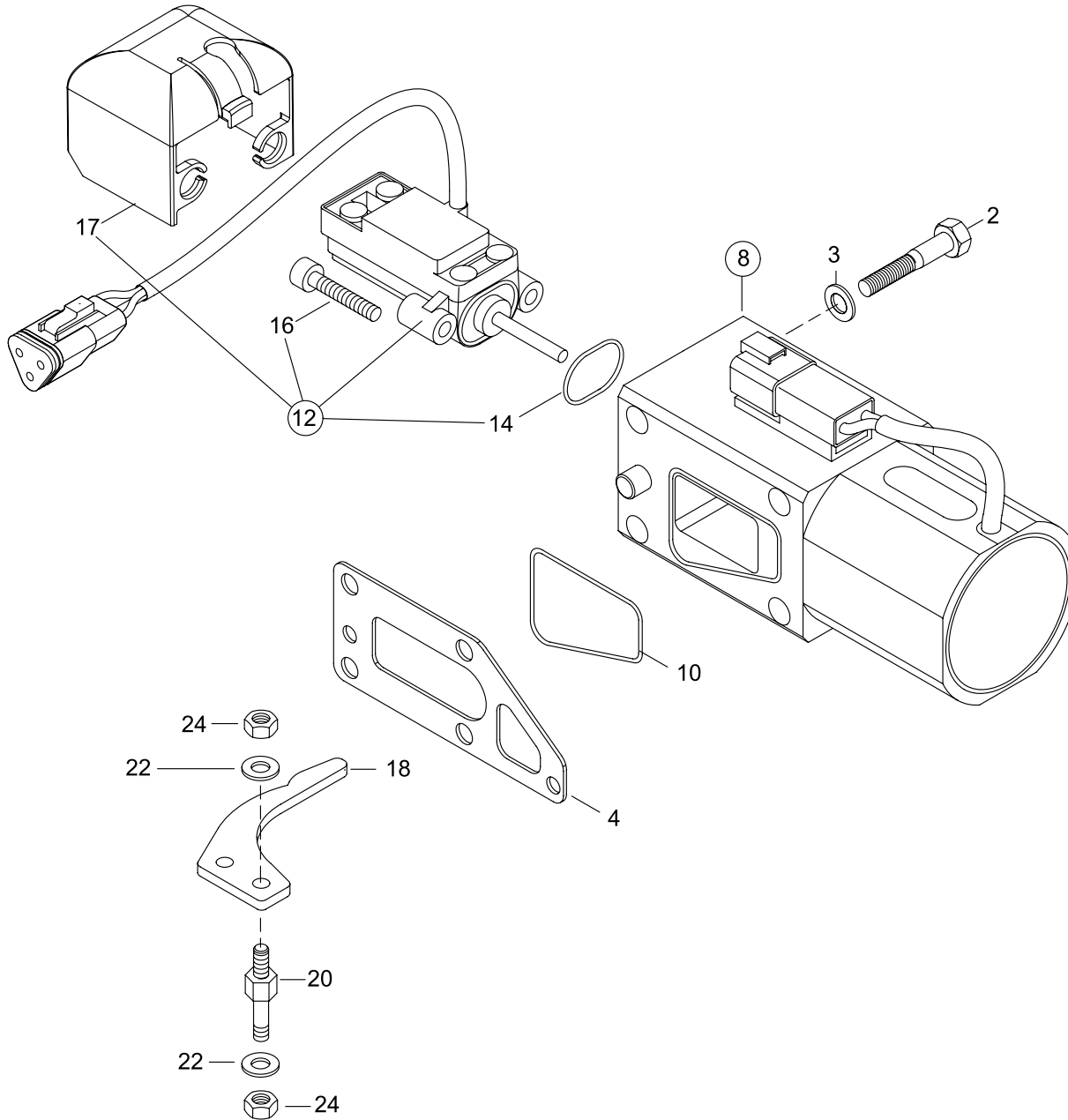


TA 0308

164 MARINE
TURBO DIESEL
+ SOLAS

CONTR. SOLENOID, POTENTIOMETER

03084084-1



164 MARINE
TURBO DIESEL
+ SOLAS

03084084-1

Z001015-0 07



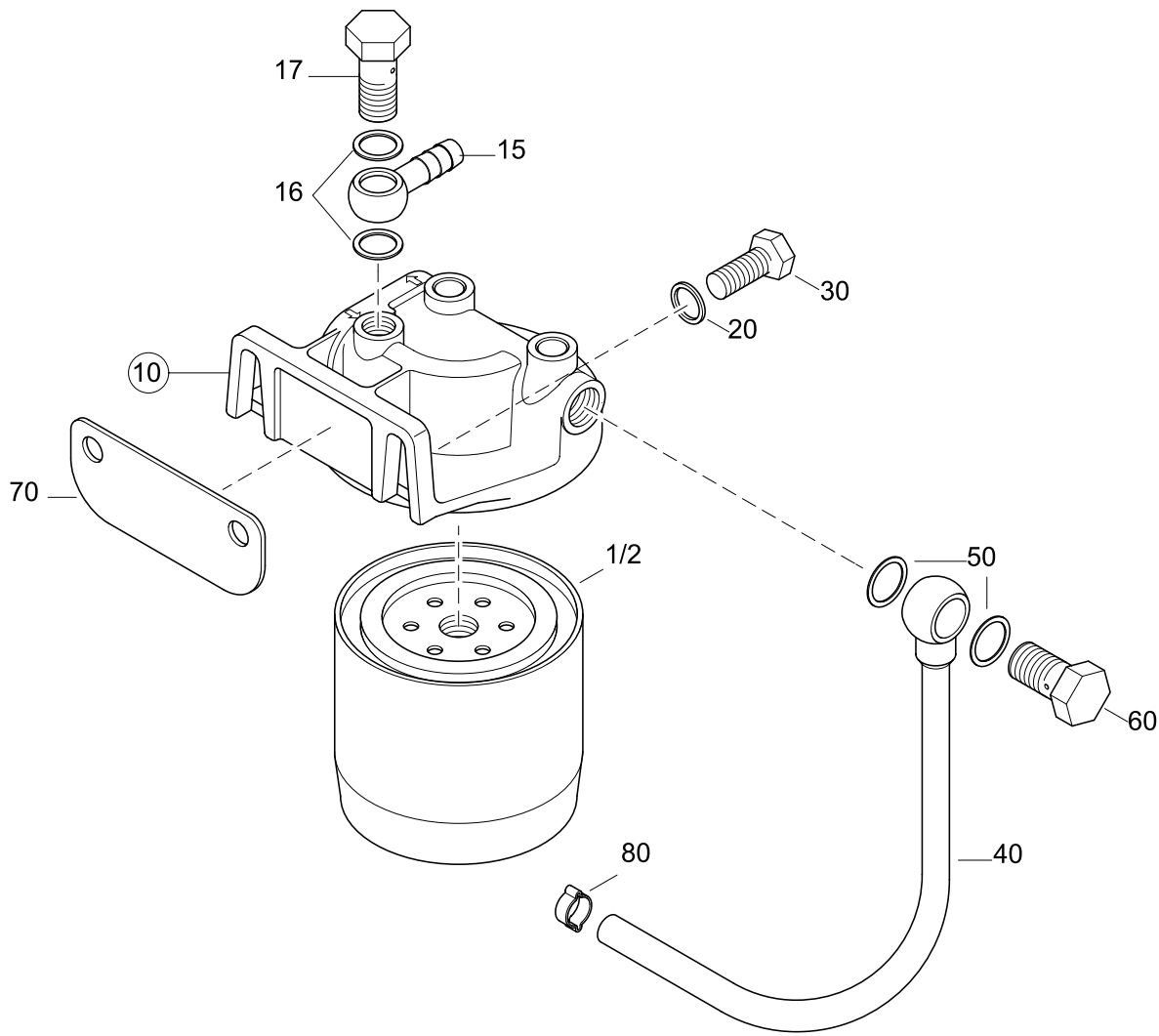


TA 0309

164 MARINE
TURBO DIESEL
+ SOLAS

FUEL FILTER

03094084-1



164 MARINE
TURBO DIESEL
+ SOLAS

03094084-1

Z001015-0 07



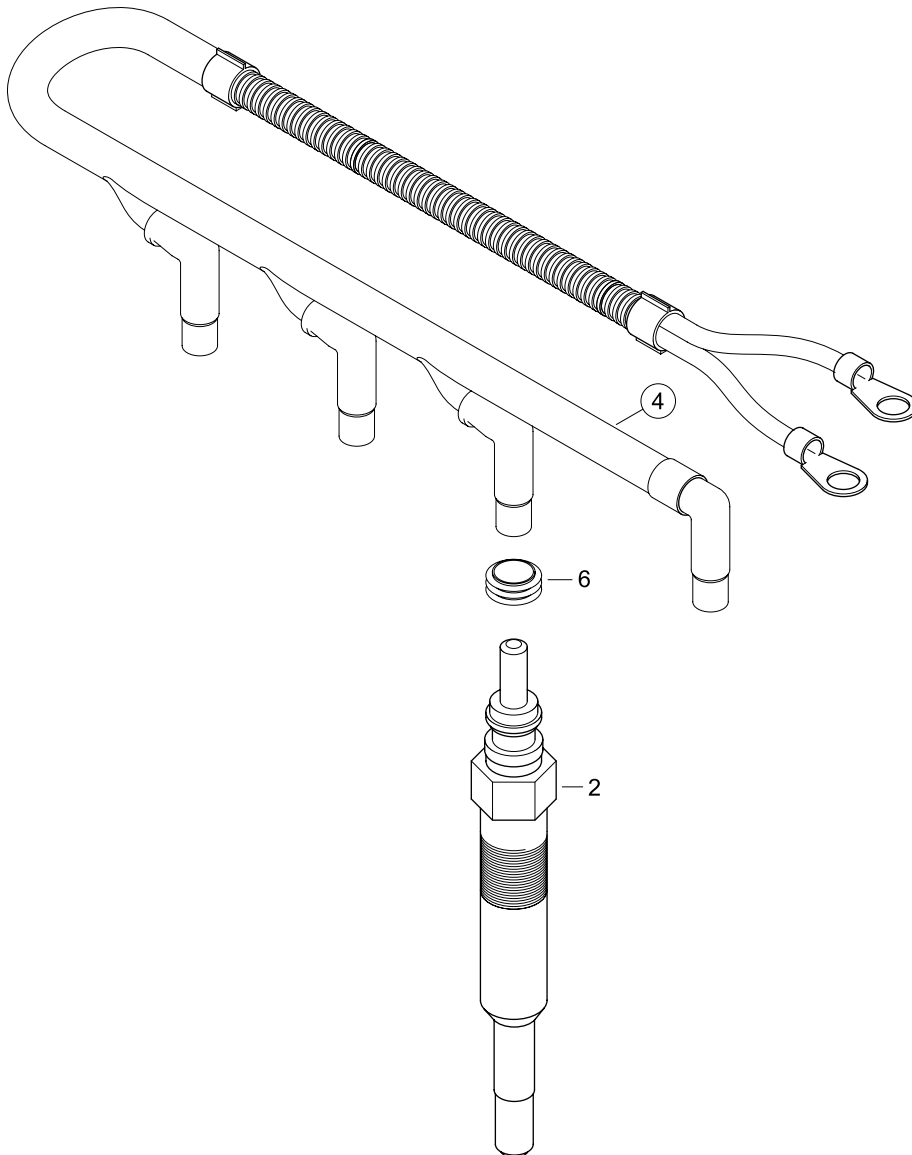


TA 0311

164 MARINE
TURBO DIESEL
+ SOLAS

GLOW PLUG

03114084-0



164 MARINE
TURBO DIESEL
+ SOLAS

03114084-0

Z001015-0_07





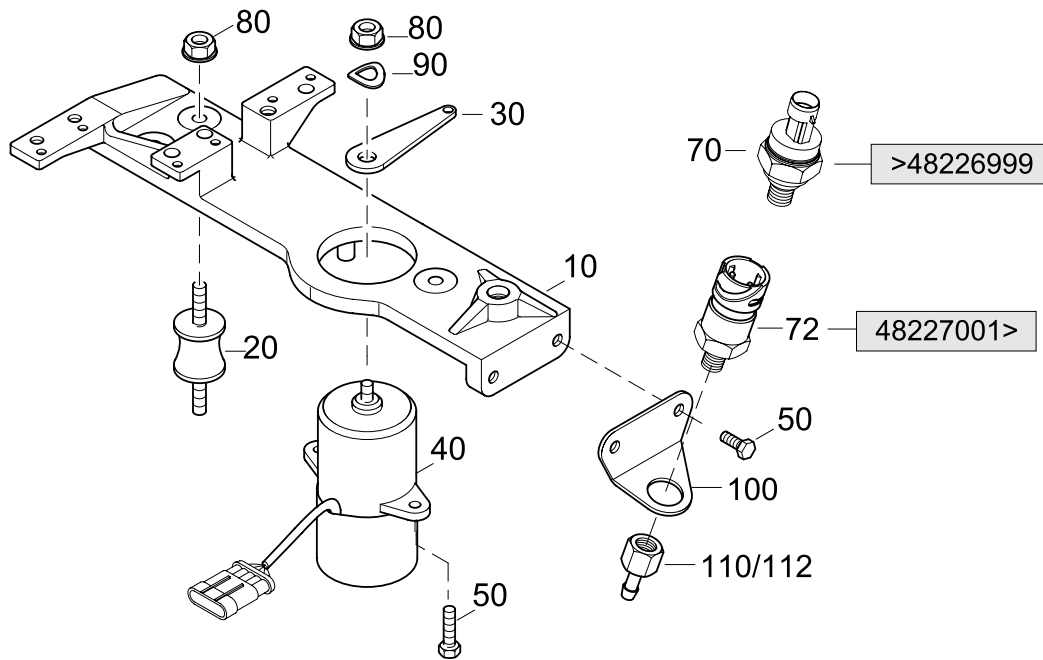
TA 0312

164 MARINE
TURBO DIESEL
+ SOLAS

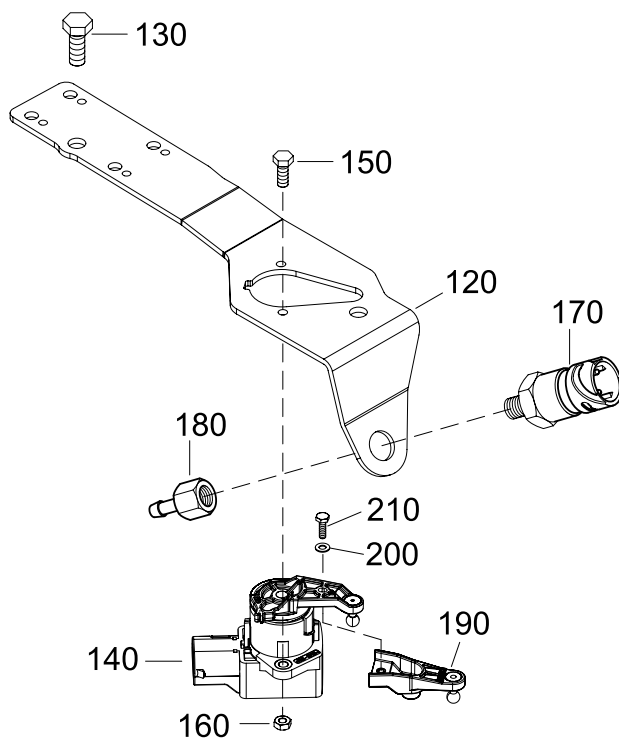
POT. ACCELERATOR, BOOST PRESSURE SENSOR

03124094-0

TILL 482330249 -->



FROM 482330250 -->



POT. ACCELERATOR, BOOST PRESSURE SENSOR

164 MARINE
TURBO DIESEL
+ SOLAS

03124094-0

[illegible]



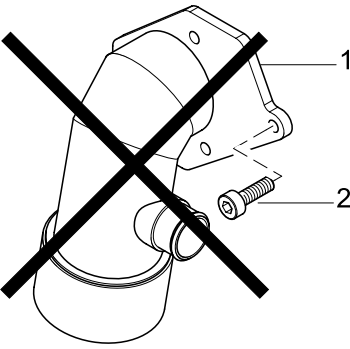
TA 0401

164 MARINE
TURBO DIESEL
+ SOLAS

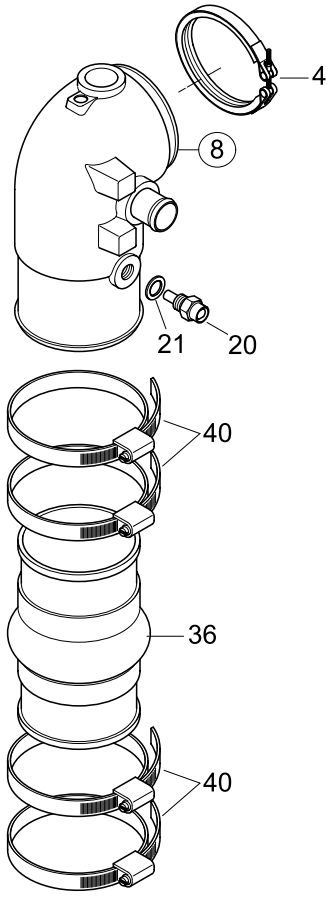
HIGH RISER, EXHAUST PIPE

04014094-0

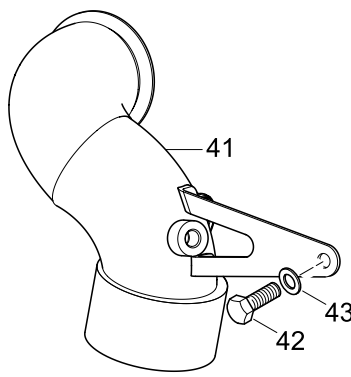
--> 48222010



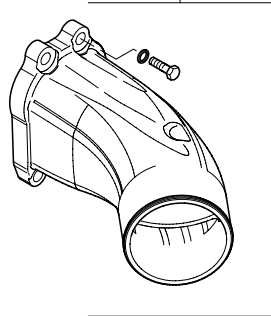
48222011 -->



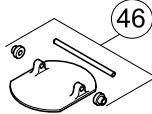
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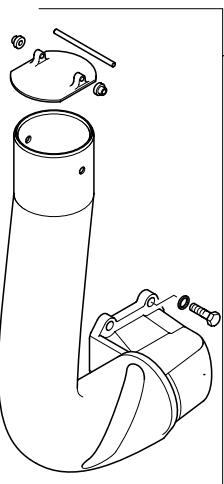
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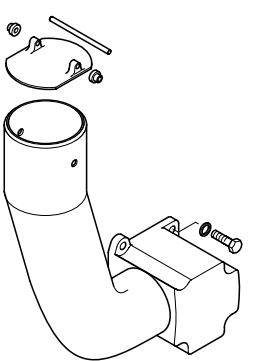
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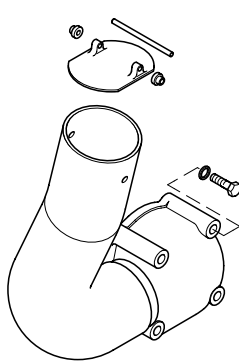
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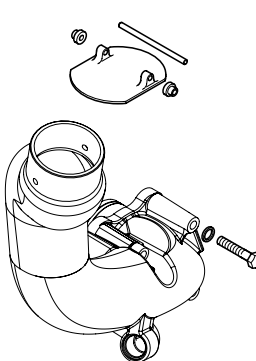
74



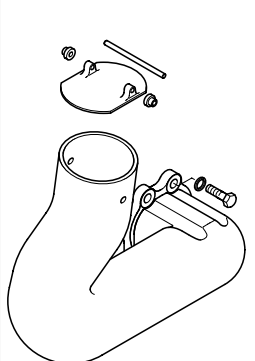
58



54



64



164 MARINE
TURBO DIESEL
+ SOLAS

04014094-0

Z001015-0 07

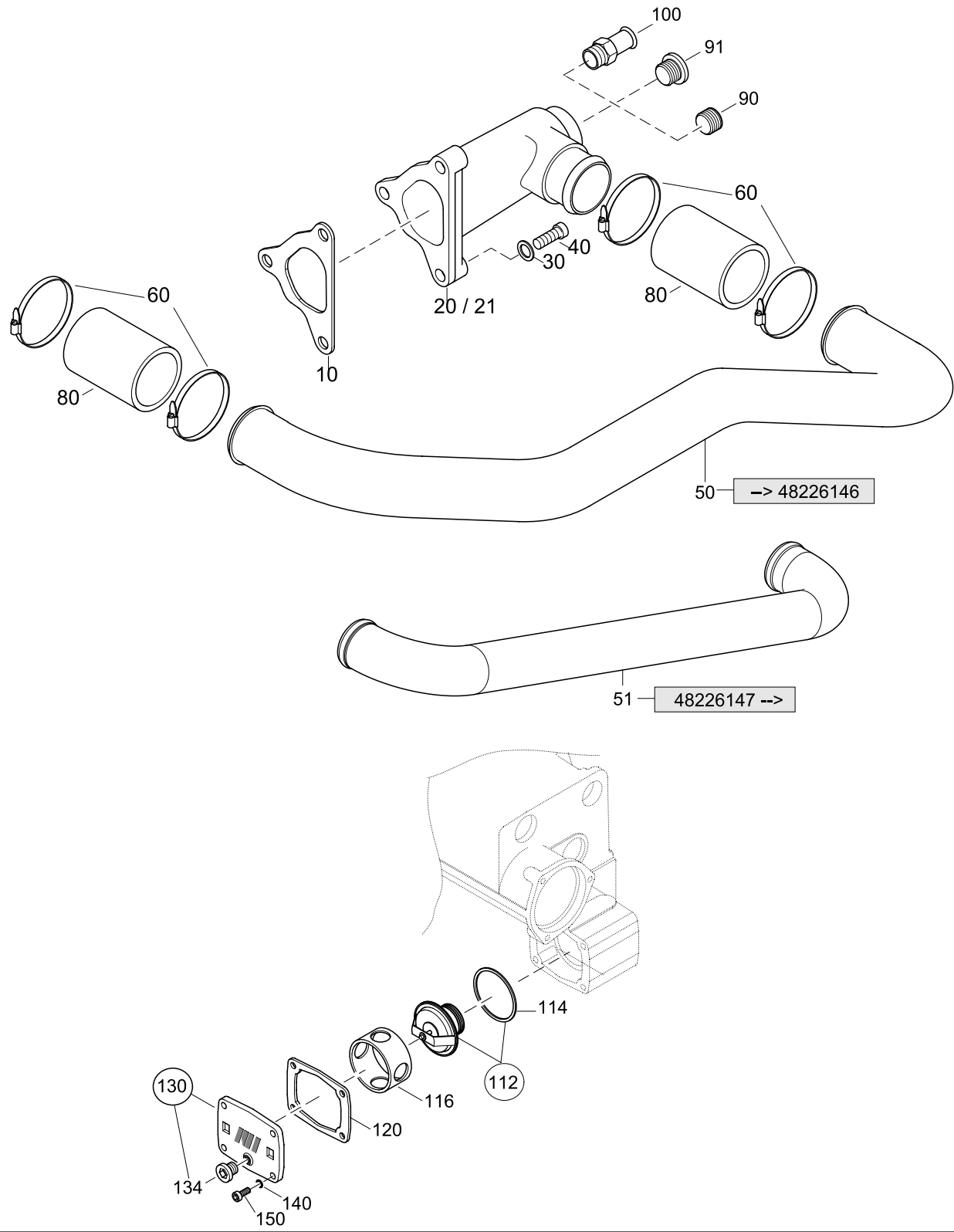


TA 0503

164 MARINE
TURBO DIESEL
+ SOLAS

WATERPIPE, THERMOSTAT

05034084-0



WATERPIPE, THERMOSTAT

164 MARINE
TURBO DIESEL
+ SOLAS

05034084-0

[illegible]

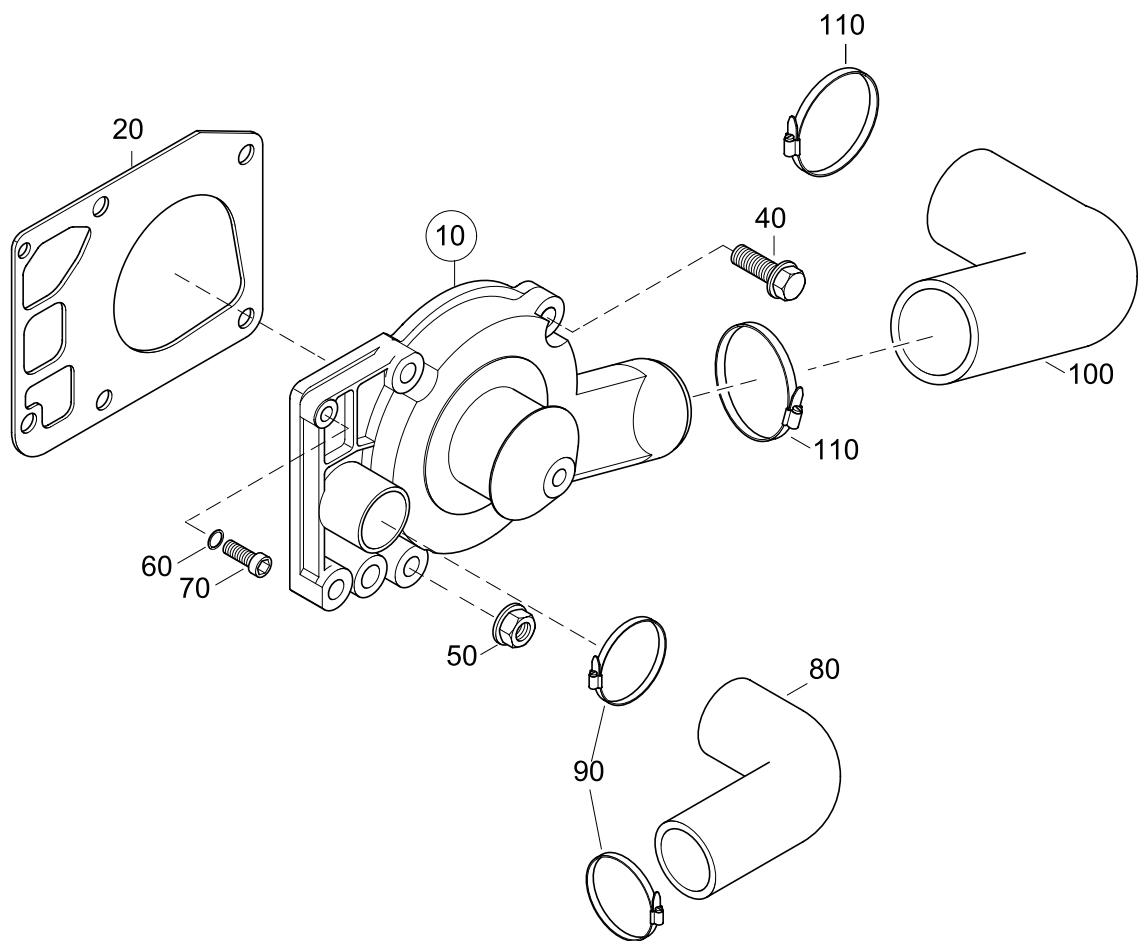


TA 0504

164 MARINE
TURBO DIESEL
+ SOLAS

WATERPUMP

05044084-0



WATERPUMP

164 MARINE
TURBO DIESEL
+ SOLAS

05044084-0

[illegible]

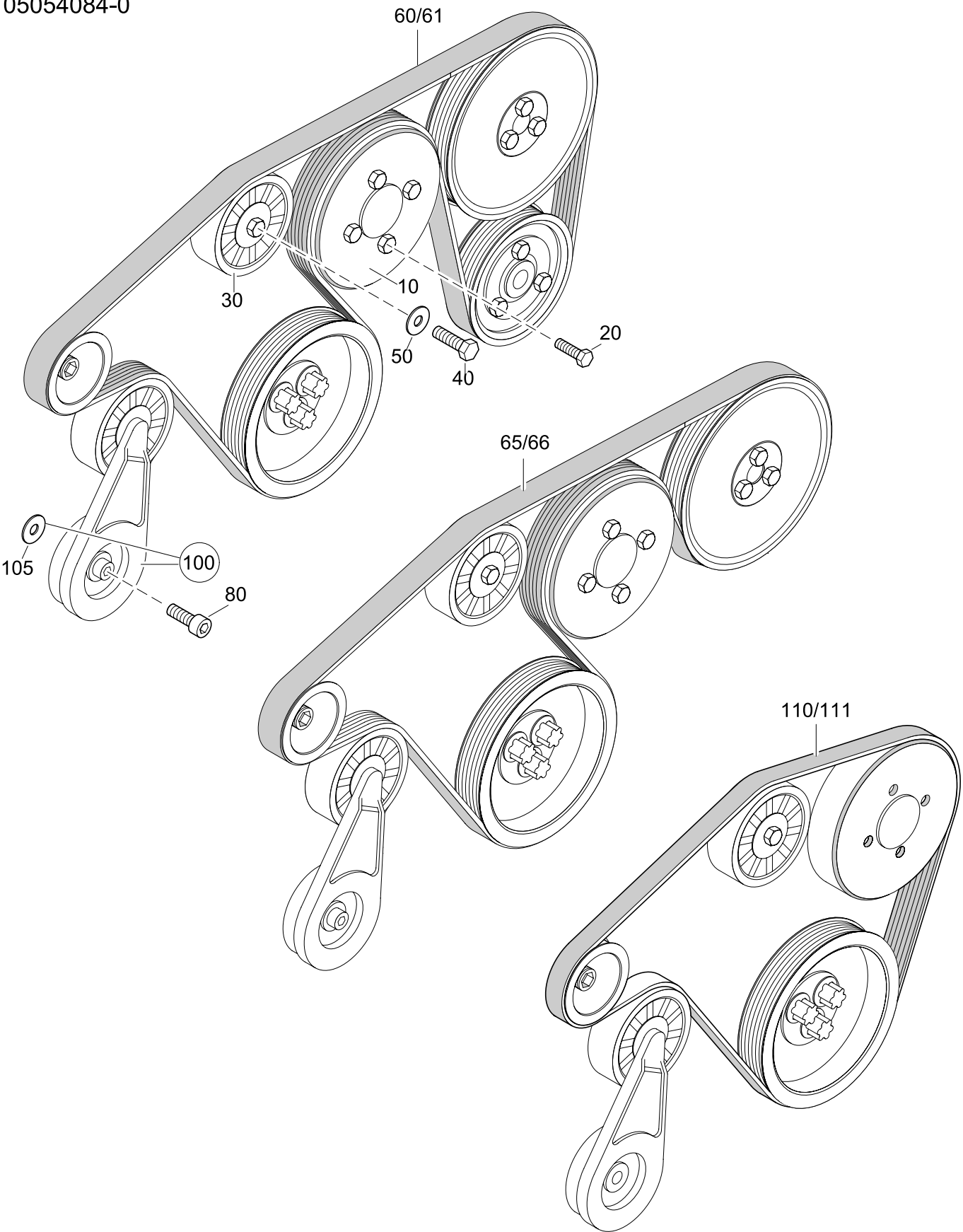


TA 0505

164 MARINE
TURBO DIESEL
+ SOLAS

DRIVE BELTS, PULLEYS, TENSIONER

05054084-0



164 MARINE
TURBO DIESEL
+ SOLAS

05054084-0

Z001015-0 07



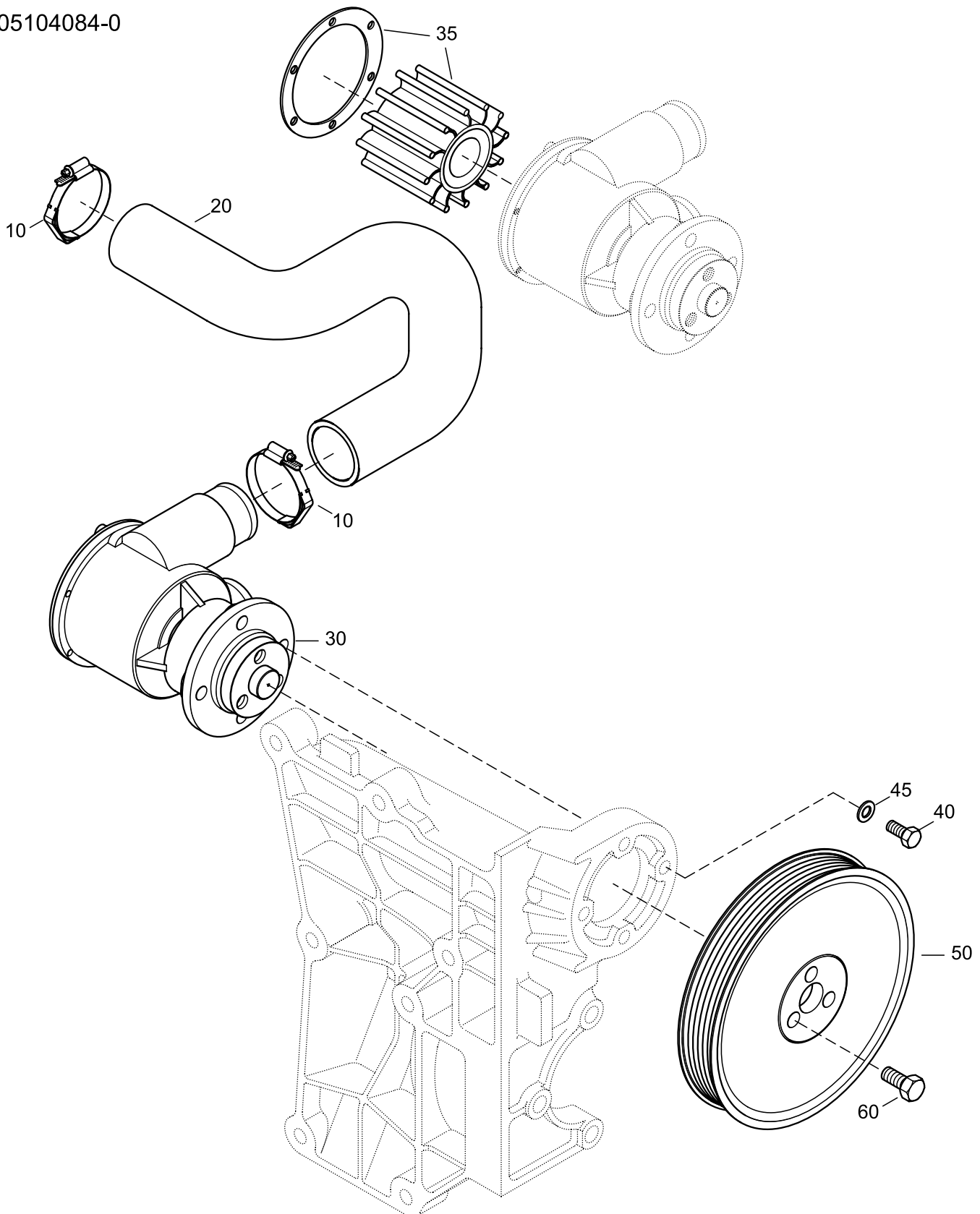


TA 0510

164 MARINE
TURBO DIESEL
+ SOLAS

RAW WATER PUMP

05104084-0



RAW WATER PUMP

164 MARINE
TURBO DIESEL
+ SOLAS

05104084-0

[illegible]

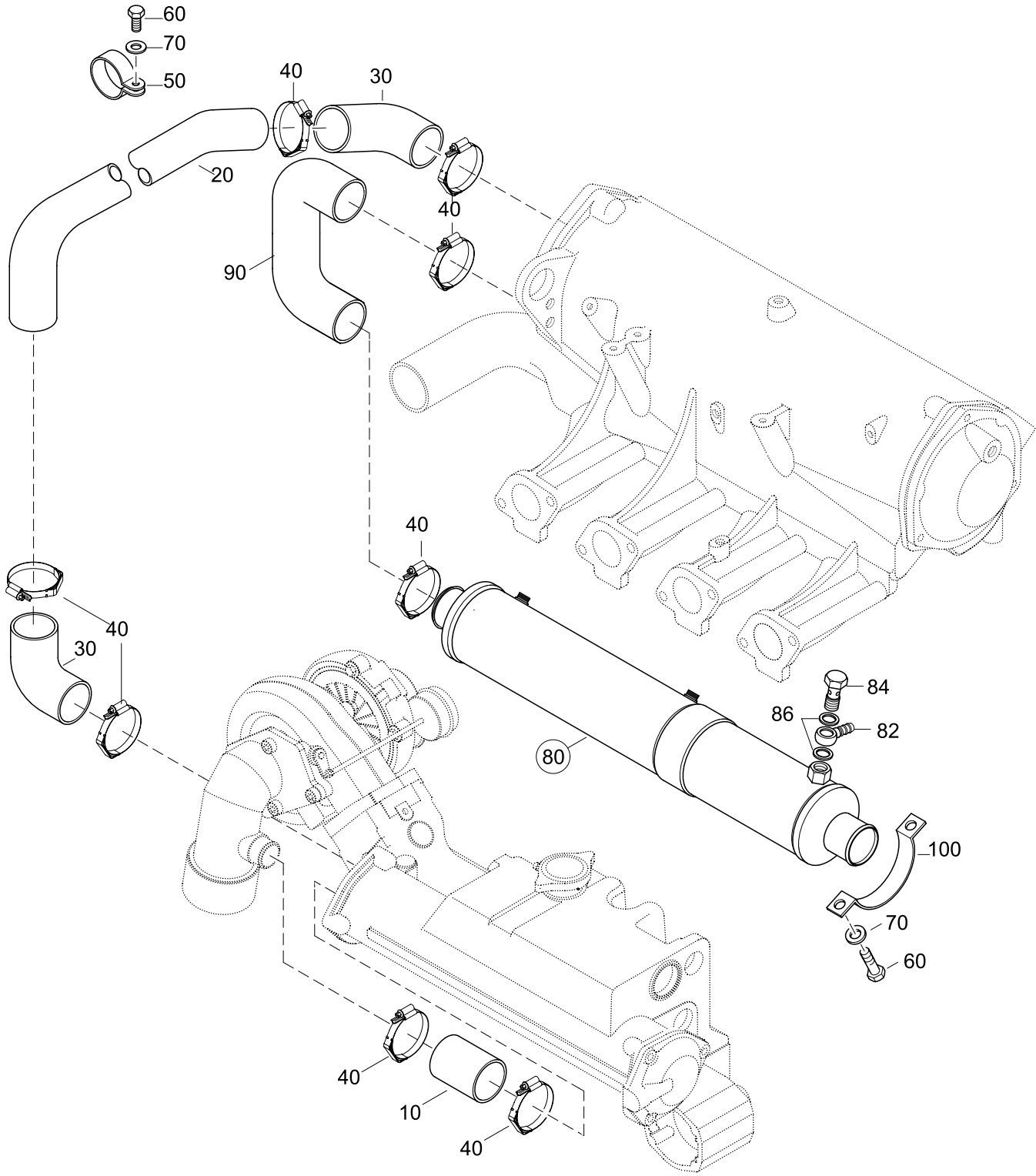


TA 0512

164 MARINE
TURBO DIESEL
+ SOLAS

RAW WATER PIPES, FUEL/OIL COOLER

05124094-0



164 MARINE
TURBO DIESEL
+ SOLAS

05124094-0

Z001015-0 07





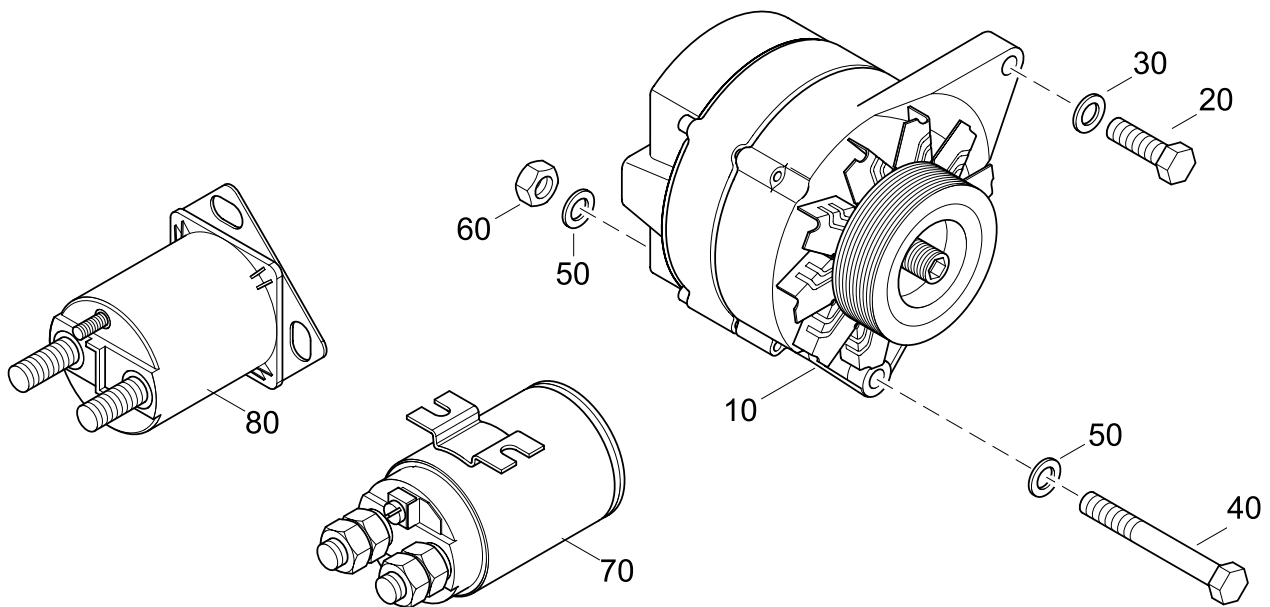
TA 0601

164 MARINE
TURBO DIESEL
+ **SOLAS**

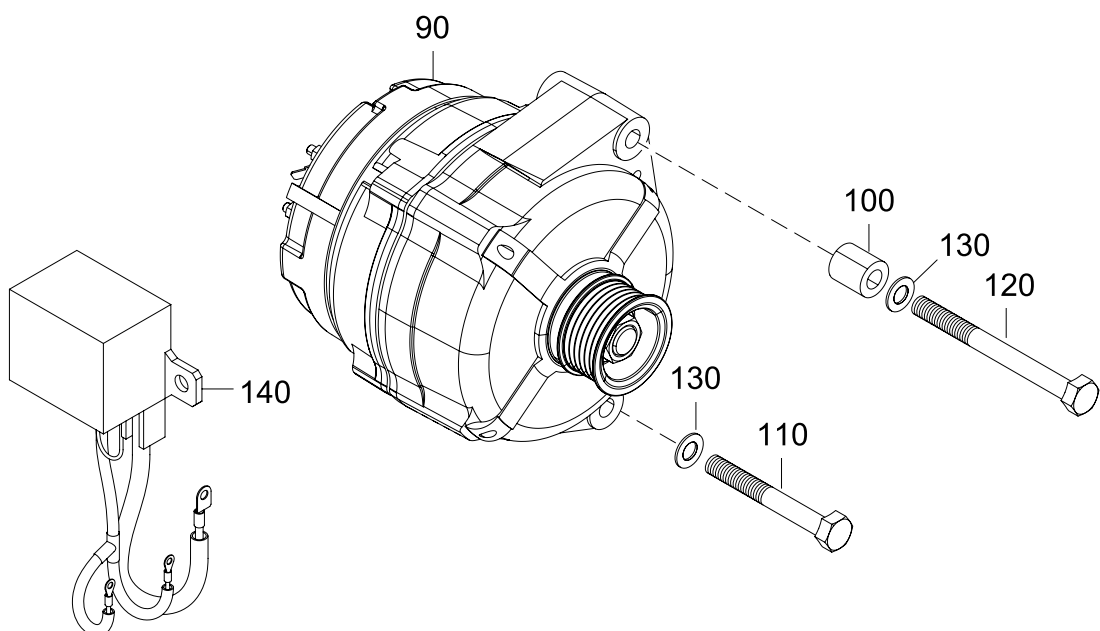
ALTERNATOR

06014084-0

TILL --> 482330249



FROM 482330250 -->



ALTERNATOR

164 MARINE
TURBO DIESEL
+ SOLAS

06014084-0

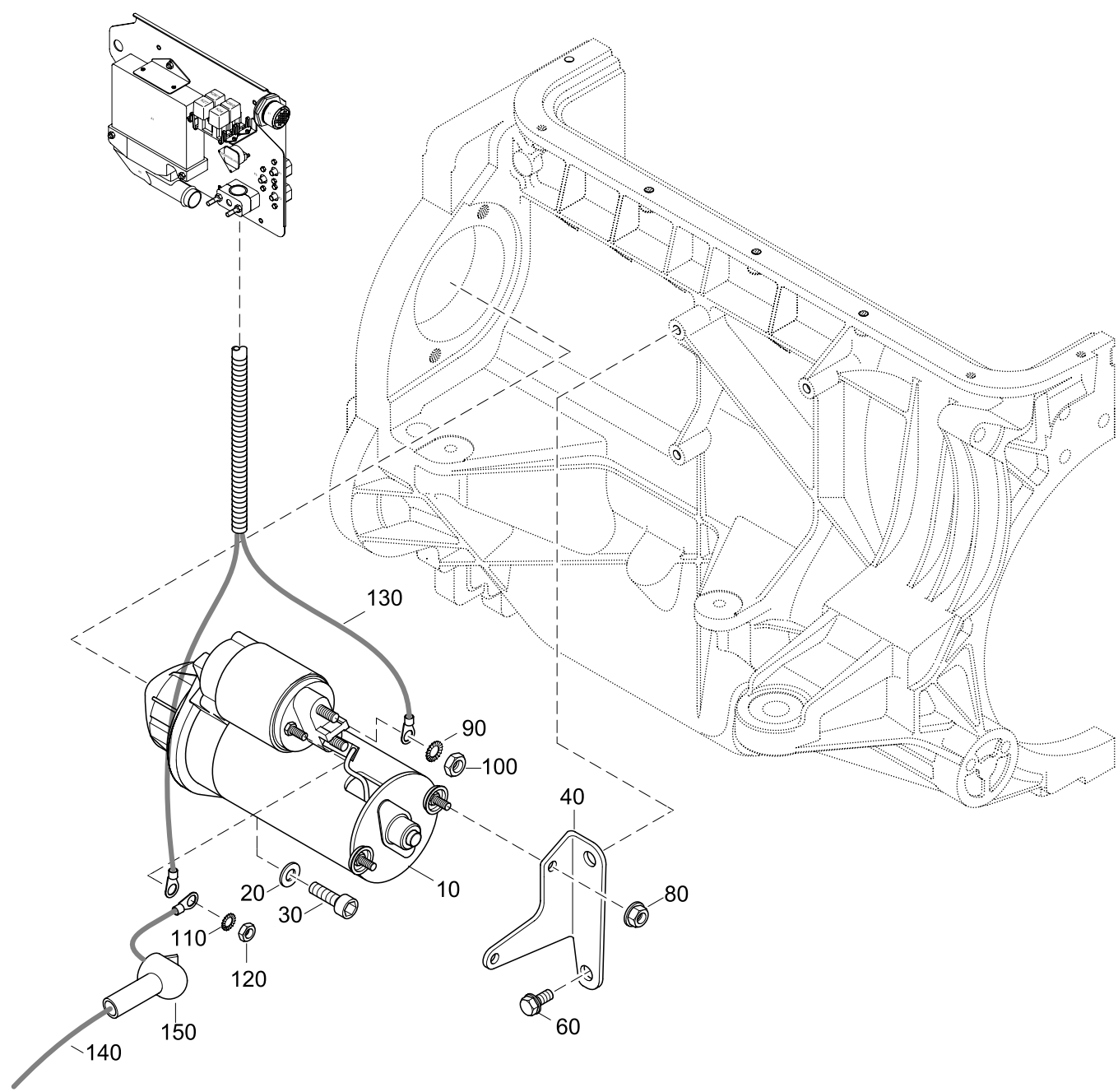
[illegible]



TA 0603

164 MARINE TURBO DIESEL + SOLAS	STARTING
--	-----------------

06034084-0



STARTING

164 MARINE
TURBO DIESEL
+ SOLAS

06034084-0

[illegible]

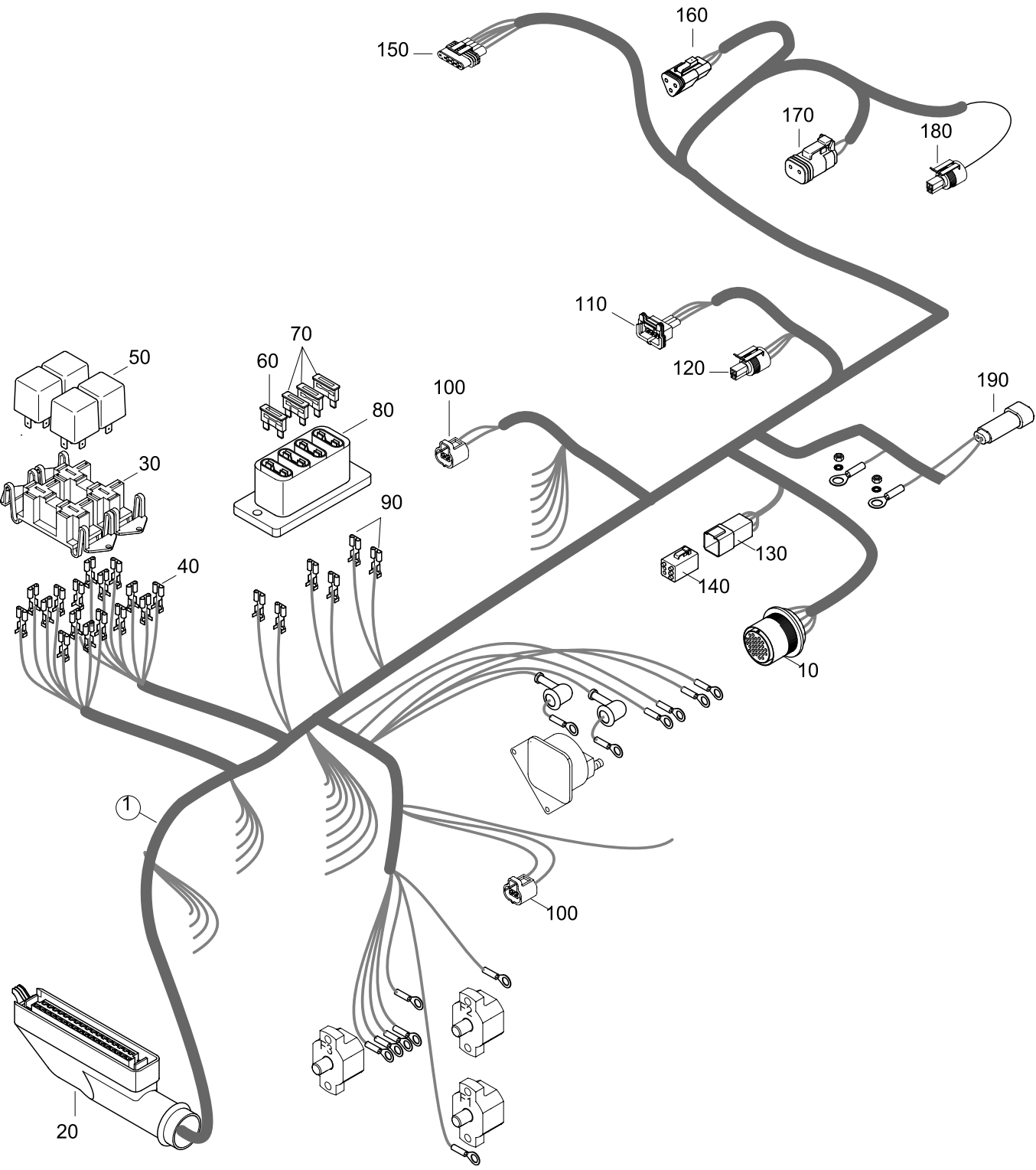


TA 0605

164 MARINE
TURBO DIESEL
+ SOLAS

ENGINE HARNESS -->48221107

06054094-0



ENGINE HARNESS -->48221107

164 MARINE
TURBO DIESEL
+ SOLAS

06054094-0

[illegible]

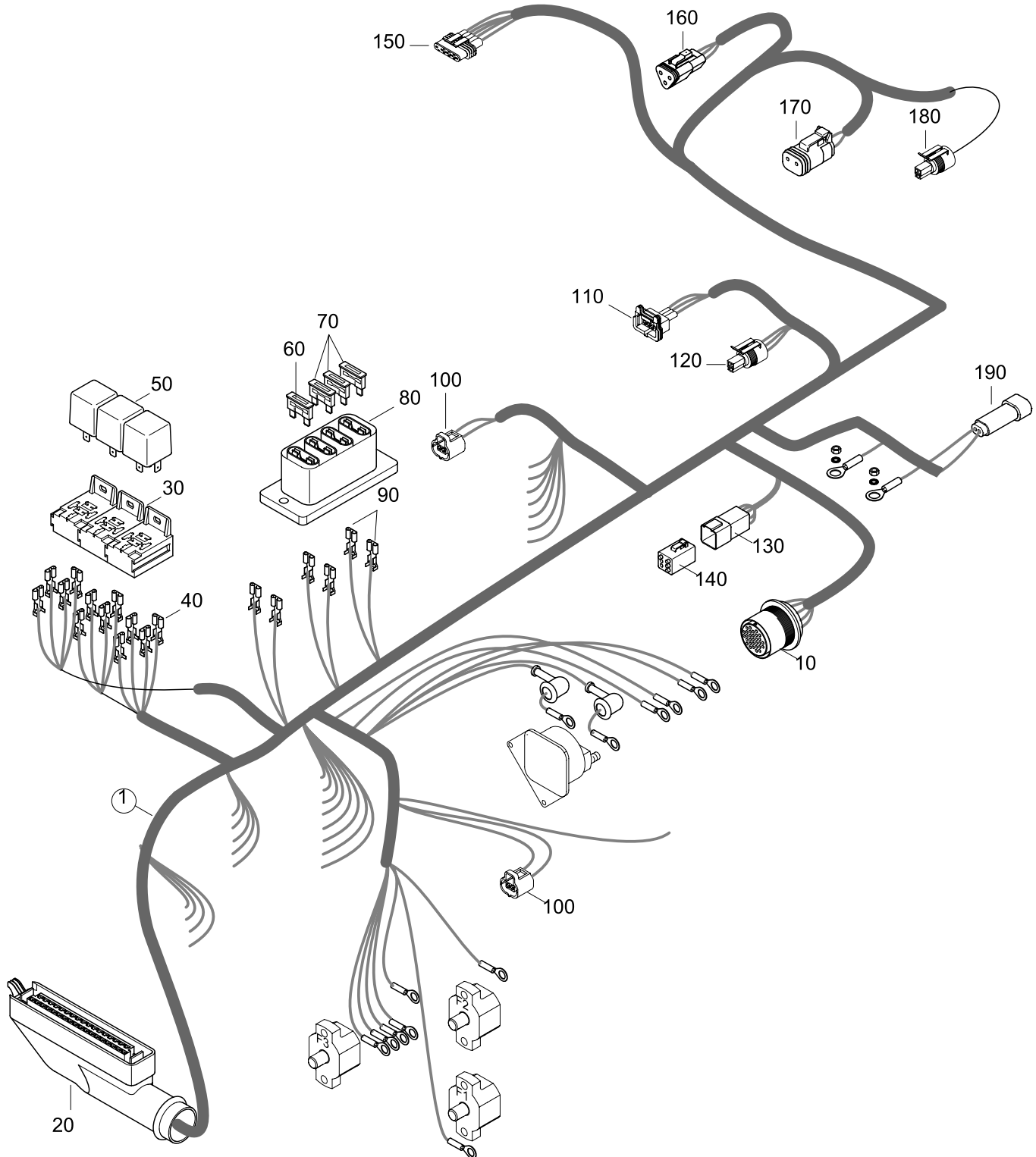


TA 0605

164 MARINE
TURBO DIESEL
+ SOLAS

ENGINE HARNESS 48221108 --> 48226999

06054094-1



164 MARINE
TURBO DIESEL
+ SOLAS

06054094-1

Z001015-0 07



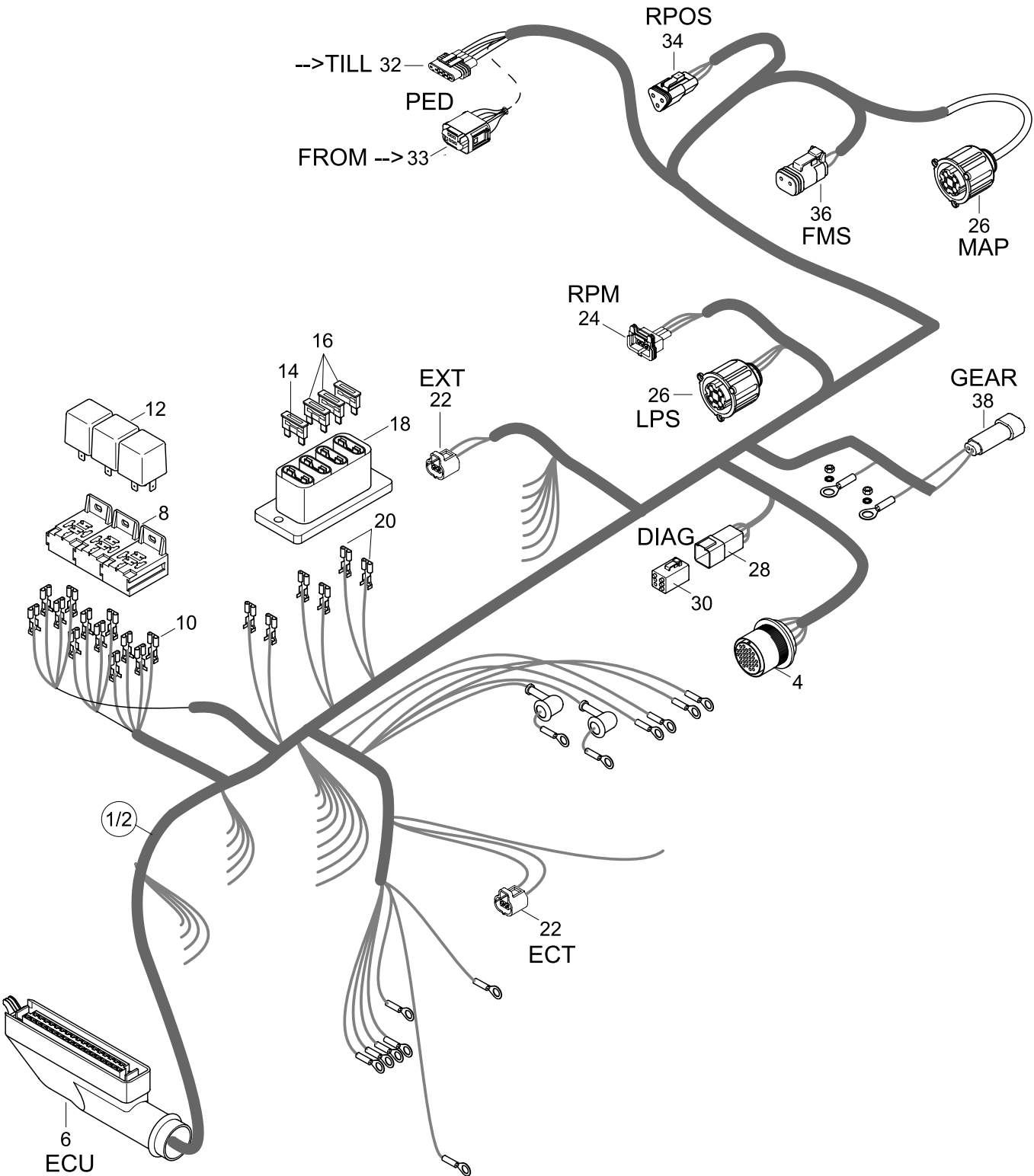


TA 0605

164 MARINE
TURBO DIESEL
+ SOLAS

ENGINE HARNESS 48227001-->

06054084-2



06054084-2

Z001015-0 07



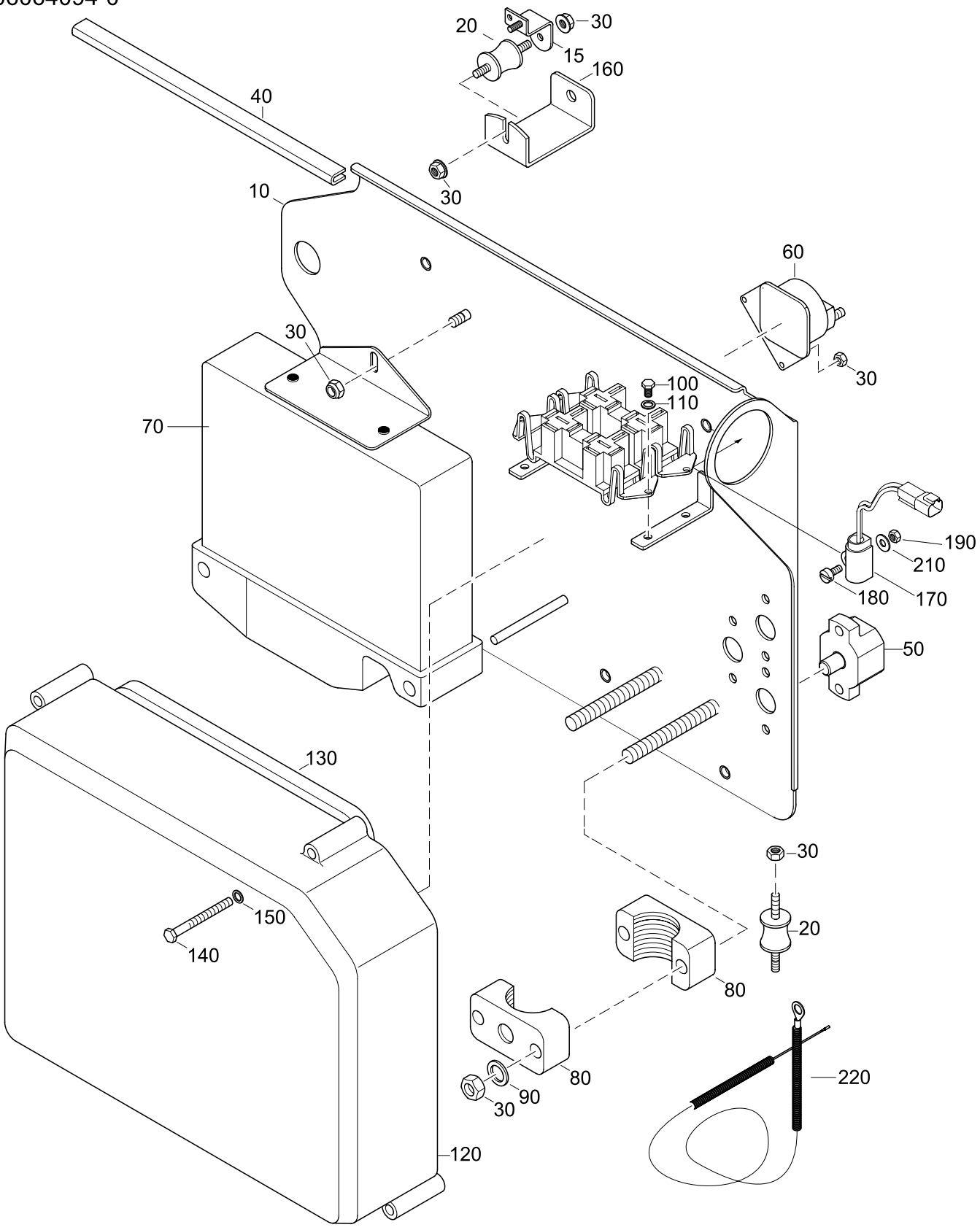


TA 0606

164 MARINE
TURBO DIESEL
+ SOLAS

SECURETYSYSTEM, FUSES, ECU, E-BOX --> 48221107

06064094-0



SECURETYSYSTEM, FUSES, ECU, E-BOX --> 48221107

164 MARINE
TURBO DIESEL
+ SOLAS

06064094-0

[illegible]

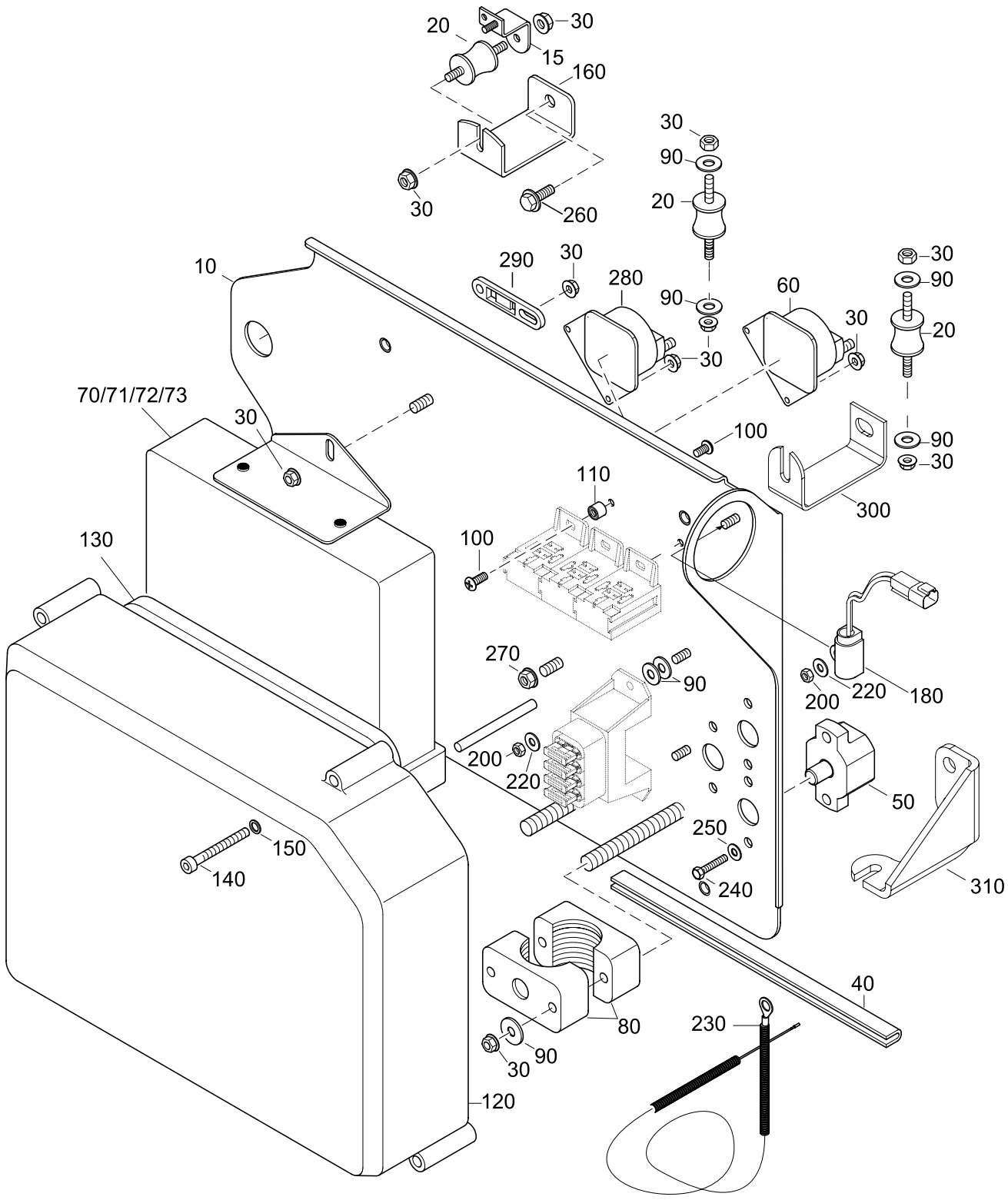


TA 0606

164 MARINE
TURBO DIESEL
+ SOLAS

SECURETYSYSTEM, FUSES, ECU, E-BOX 48221108-->

06064094-1



SECURETYSYSTEM, FUSES, ECU, E-BOX 48221108-->

164 MARINE
TURBO DIESEL
+ SOLAS

06064094-1

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-H	1	ECU 164 120kW - 4000rpm -->48226999	.1
71	2176844-4	1	ECU 164 120kW - 4000rpm 48227001-->482320112	.1
72	2176844-D	1	ECU 164 120kW - 4000rpm (NO EPA) 482320113-->482330249	.1
73	2176844-G	1	ECU 164 120kW - 4000rpm 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
280	2206161-0	1	POWER SOLENOID 12V	.1
290	2178870-0	1	FIXTURE, CABLE TIE	.1



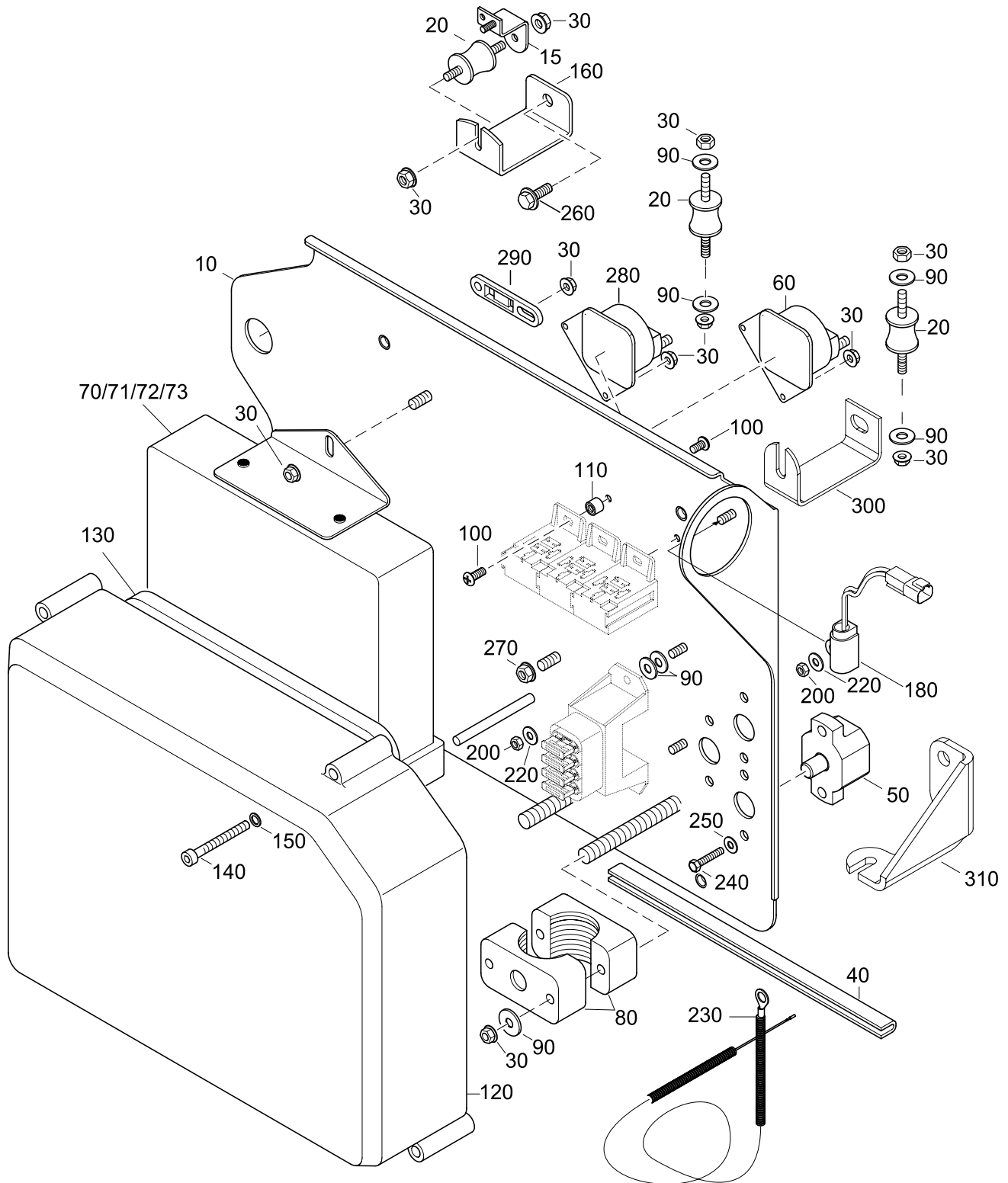


TA 0606

164 MARINE
TURBO DIESEL
+ SOLAS

SECURETYSYSTEM, FUSES, ECU, E-BOX 48221108-->

06064094-1



164 MARINE
TURBO DIESEL
+ SOLAS

06064094-1

Z001015-0_07



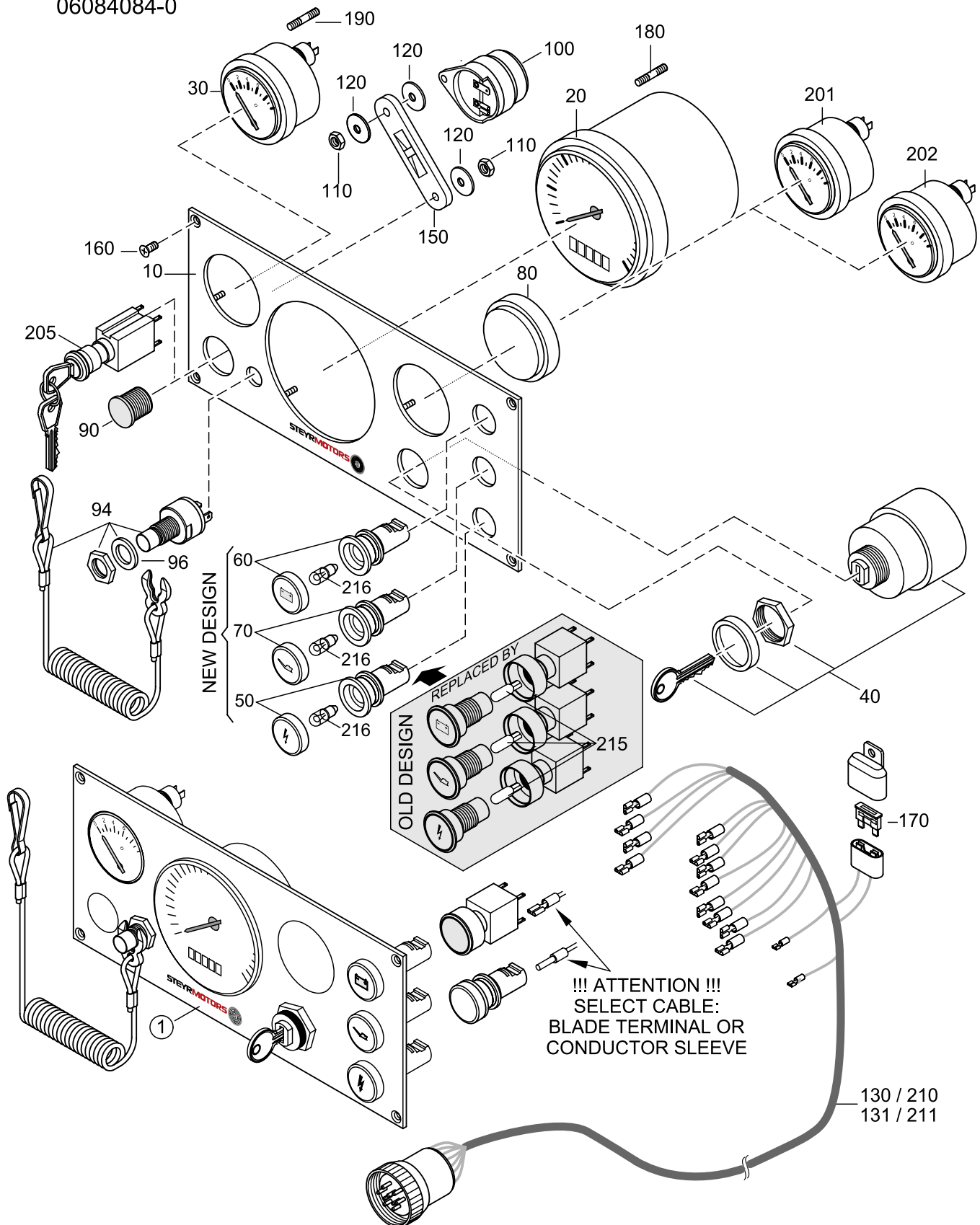


TA 0608

164 MARINE
TURBO DIESEL
+ **SOLAS**

INSTRUMENTENPANEL (STANDARD) (TILL -->2010)

06084084-0



INSTRUMENTENPANEL (STANDARD) (TILL -->2010)
164 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



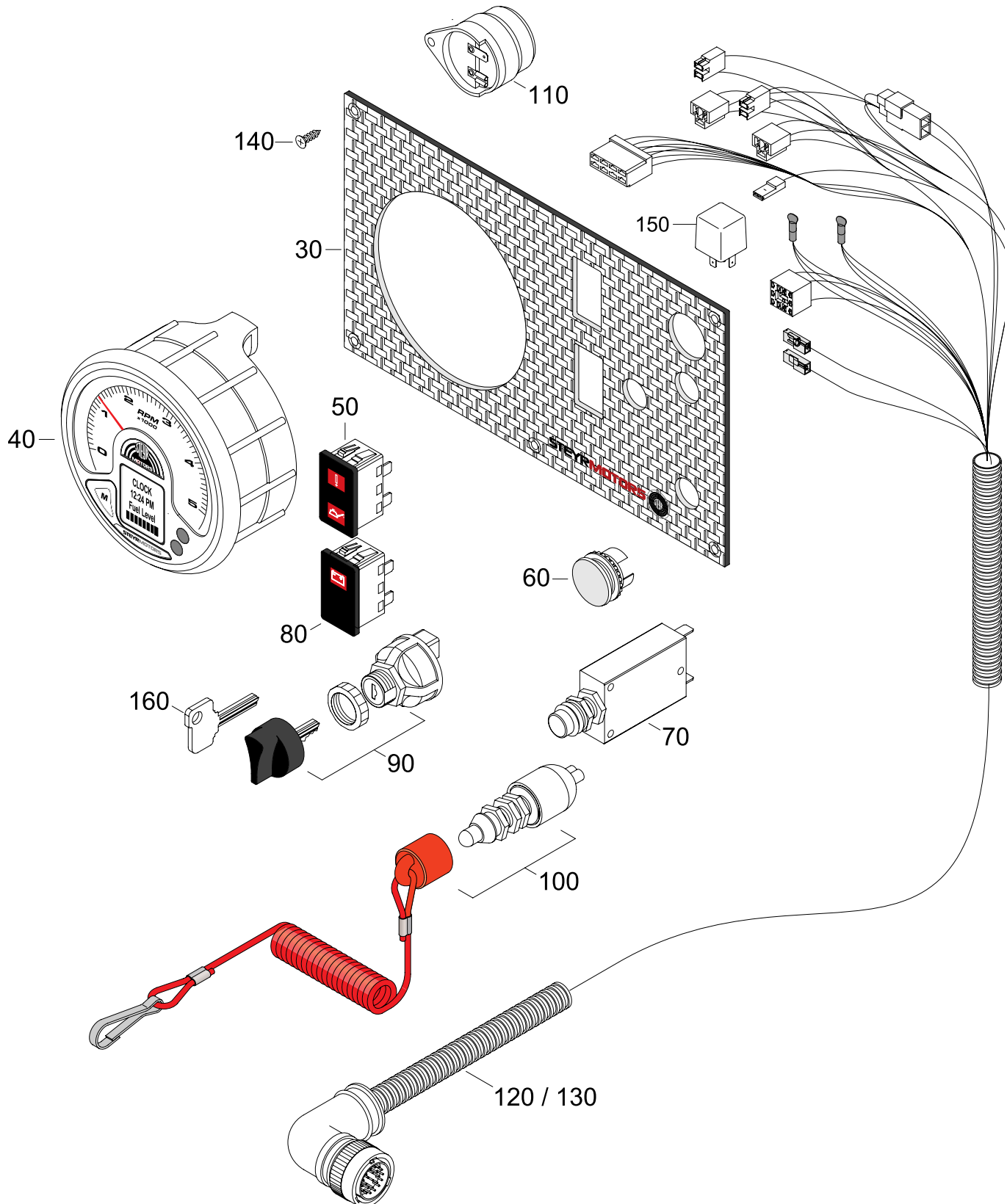


TA 0607

164 MARINE
TURBO DIESEL
+ SOLAS

INSTRUMENTENPANEL (STANDARD) (2010 - 2013/08)

06072184-1



164 MARINE
TURBO DIESEL
+ SOLAS

06072184-1

Z001015-0 07

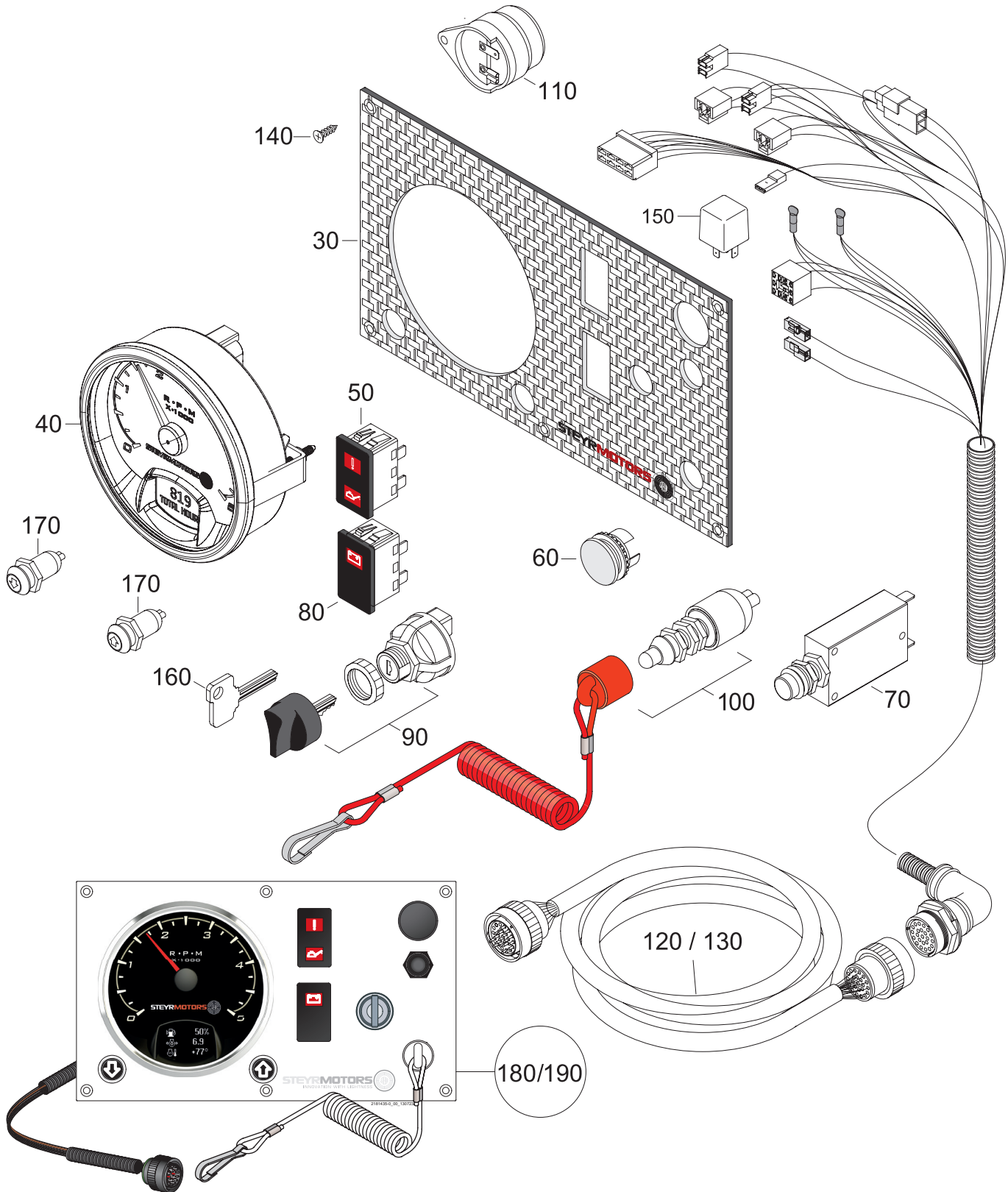


TA 0607

164 MARINE
TURBO DIESEL
+ SOLAS

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

06072184-2



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

164 MARINE
TURBO DIESEL
+ SOLAS

06072184-2

[illegible]

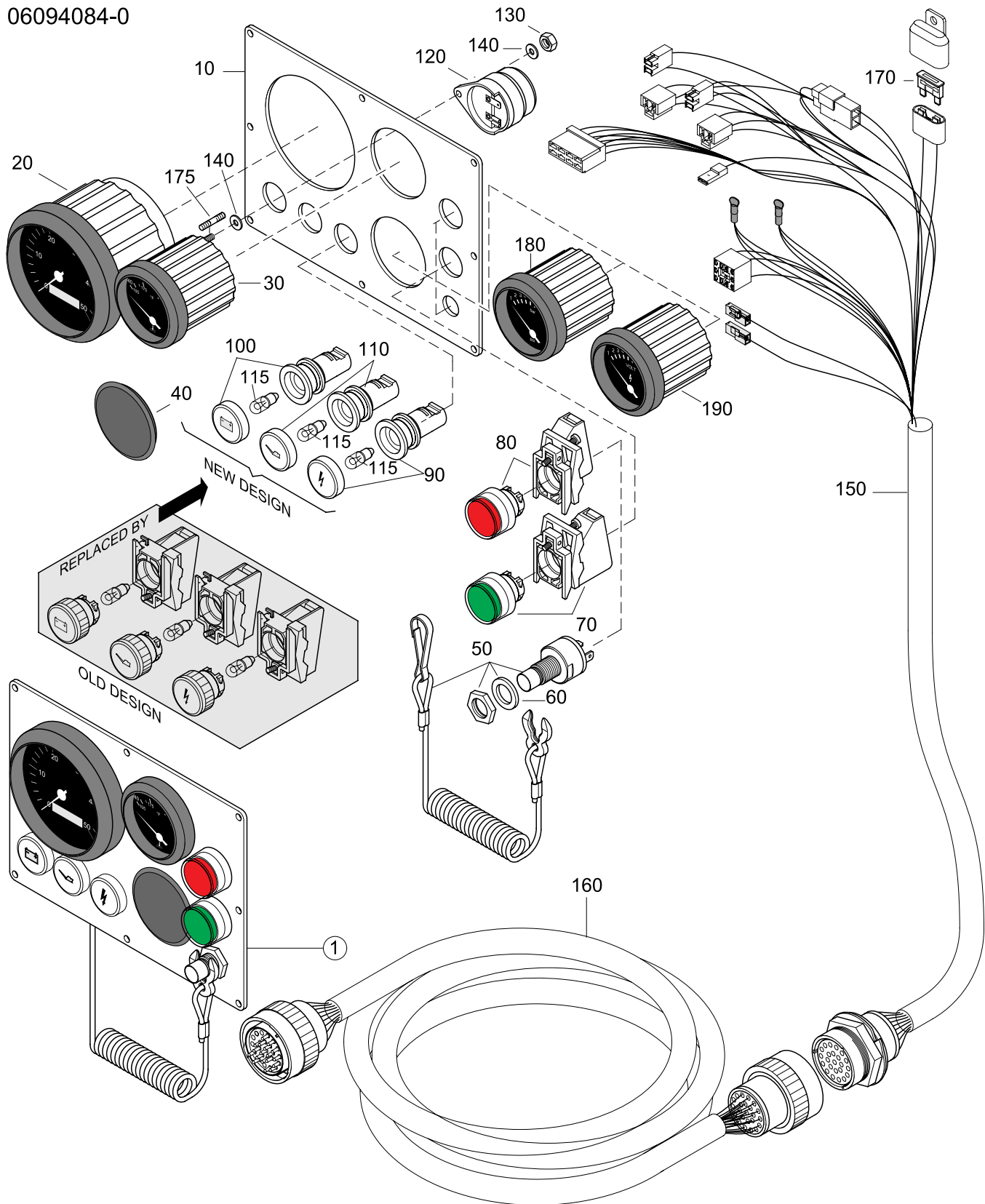


TA 0609

164 MARINE
TURBO DIESEL
+ **SOLAS**

INSTRUMENTENPANEL SOLAS (TILL -->2010)

06094084-0



INSTRUMENTENPANEL SOLAS (TILL -->2010)

164 MARINE
TURBO DIESEL
+ SOLAS

06094084-0

[illegible]

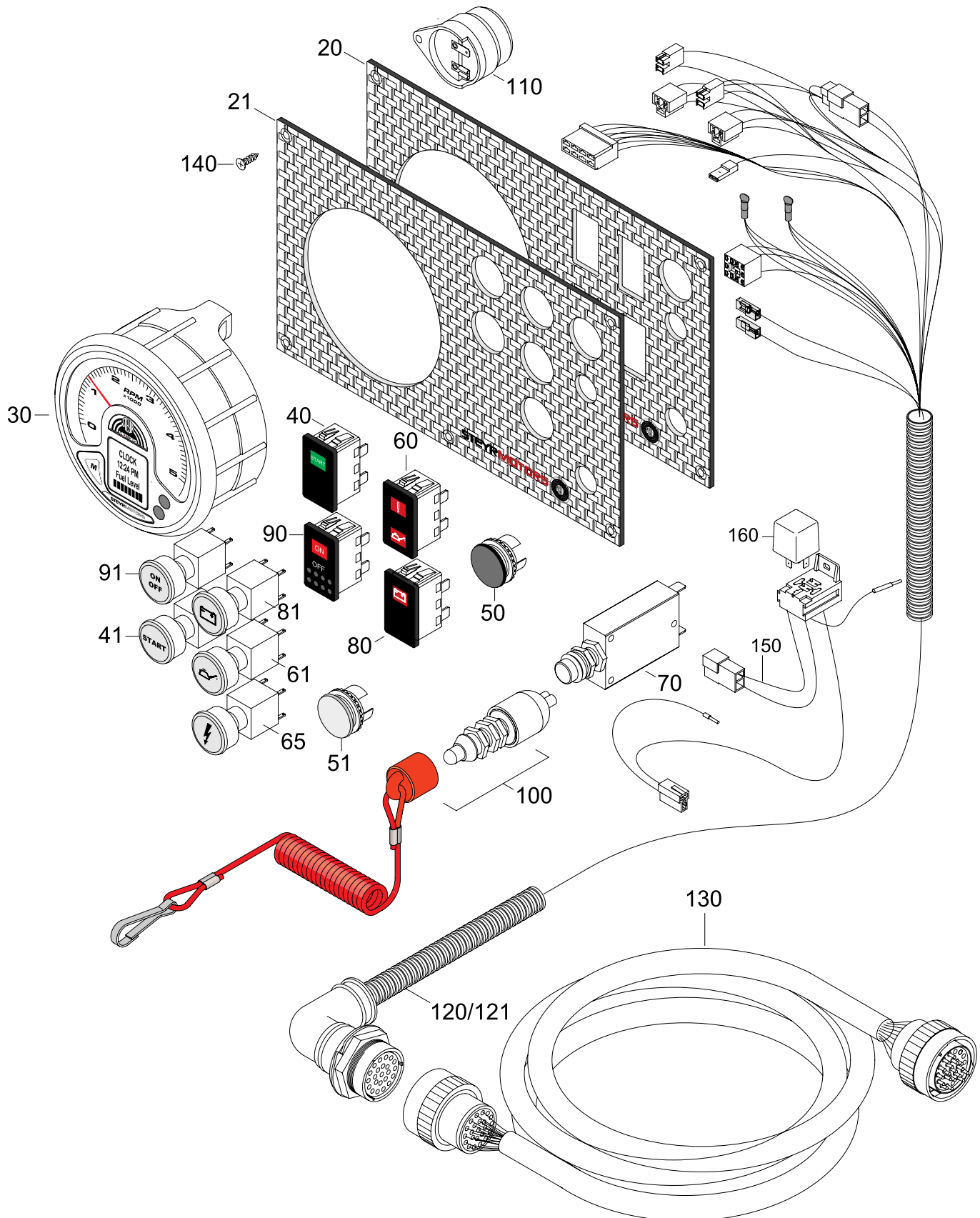


TA 0609

164 MARINE
TURBO DIESEL
+ SOLAS

INSTRUMENTENPANEL SOLAS (2010 - 2013/08)

06092184-1



INSTRUMENTENPANEL SOLAS (2010 - 2013/08)

164 MARINE
TURBO DIESEL
+ SOLAS

06092184-1

[illegible]

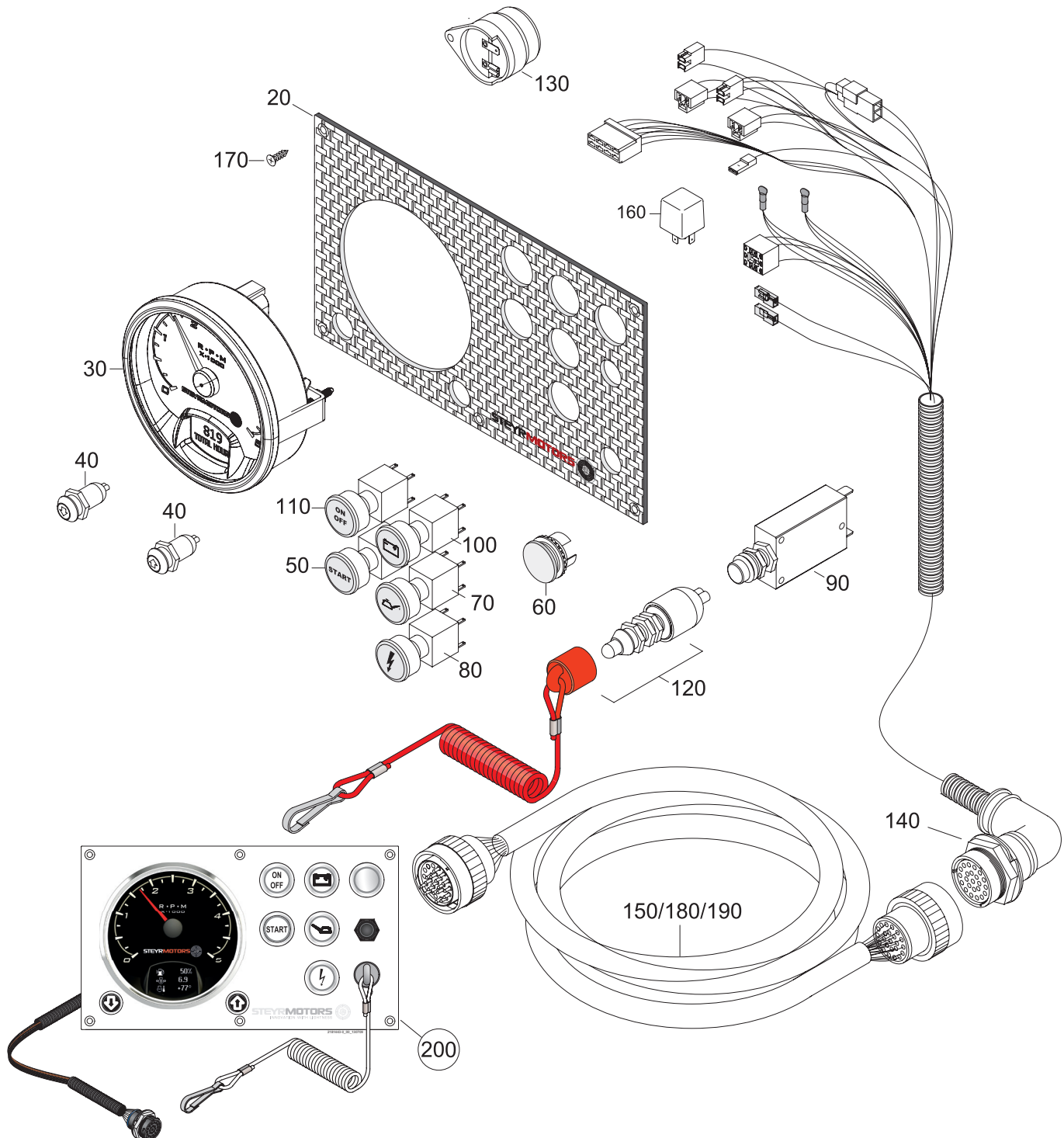


TA 0609

164 MARINE
TURBO DIESEL
+ **SOLAS**

INSTRUMENTENPANEL SOLAS (FROM 2013/08-->)

06092184-5



INSTRUMENTENPANEL SOLAS (FROM 2013/08-->)

164 MARINE
TURBO DIESEL
+ SOLAS

06092184-5



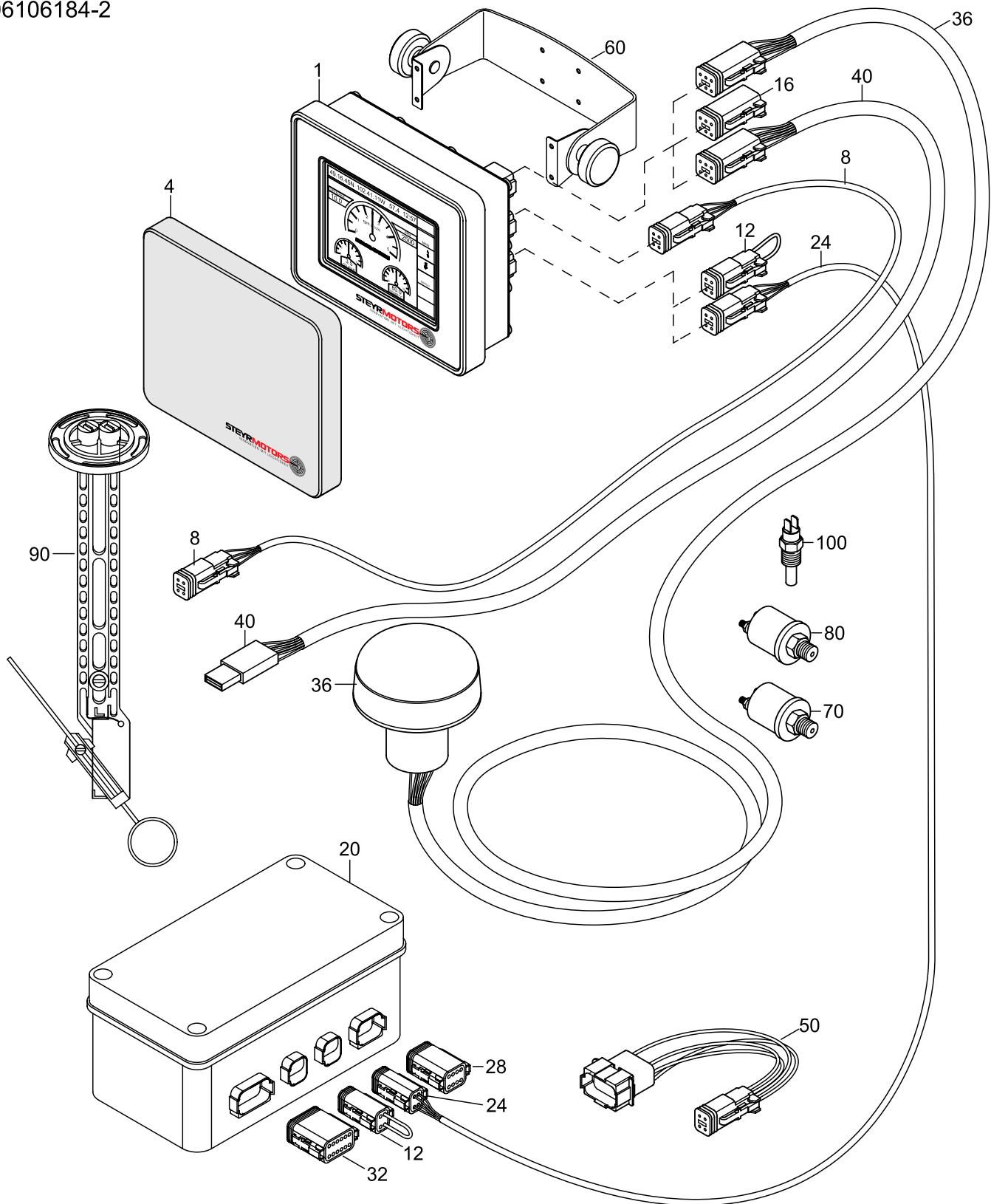


TA 0610

164 MARINE
TURBO DIESEL
+ **SOLAS**

DISPLAY (ACCESSORY)

06106184-2



164 MARINE
TURBO DIESEL
+ SOLAS

06106184-2

Z001015-0 07



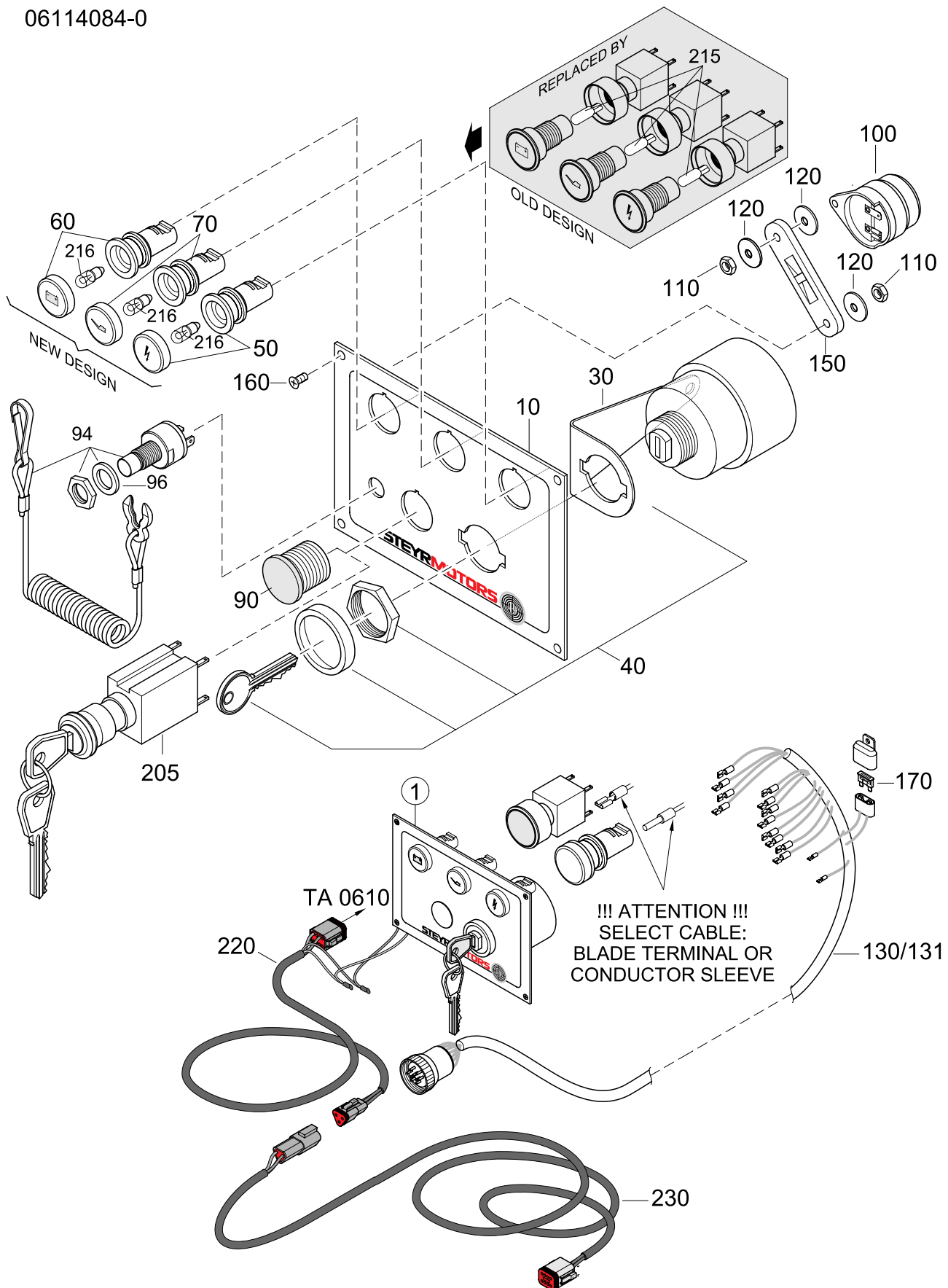


TA 0611

164 MARINE
TURBO DIESEL
+ SOLAS

SWITCH PANEL FOR DISPLAY TILL -->2010

06114084-0



164 MARINE
TURBO DIESEL
+ SOLAS

06114084-0

Z001015-0 07

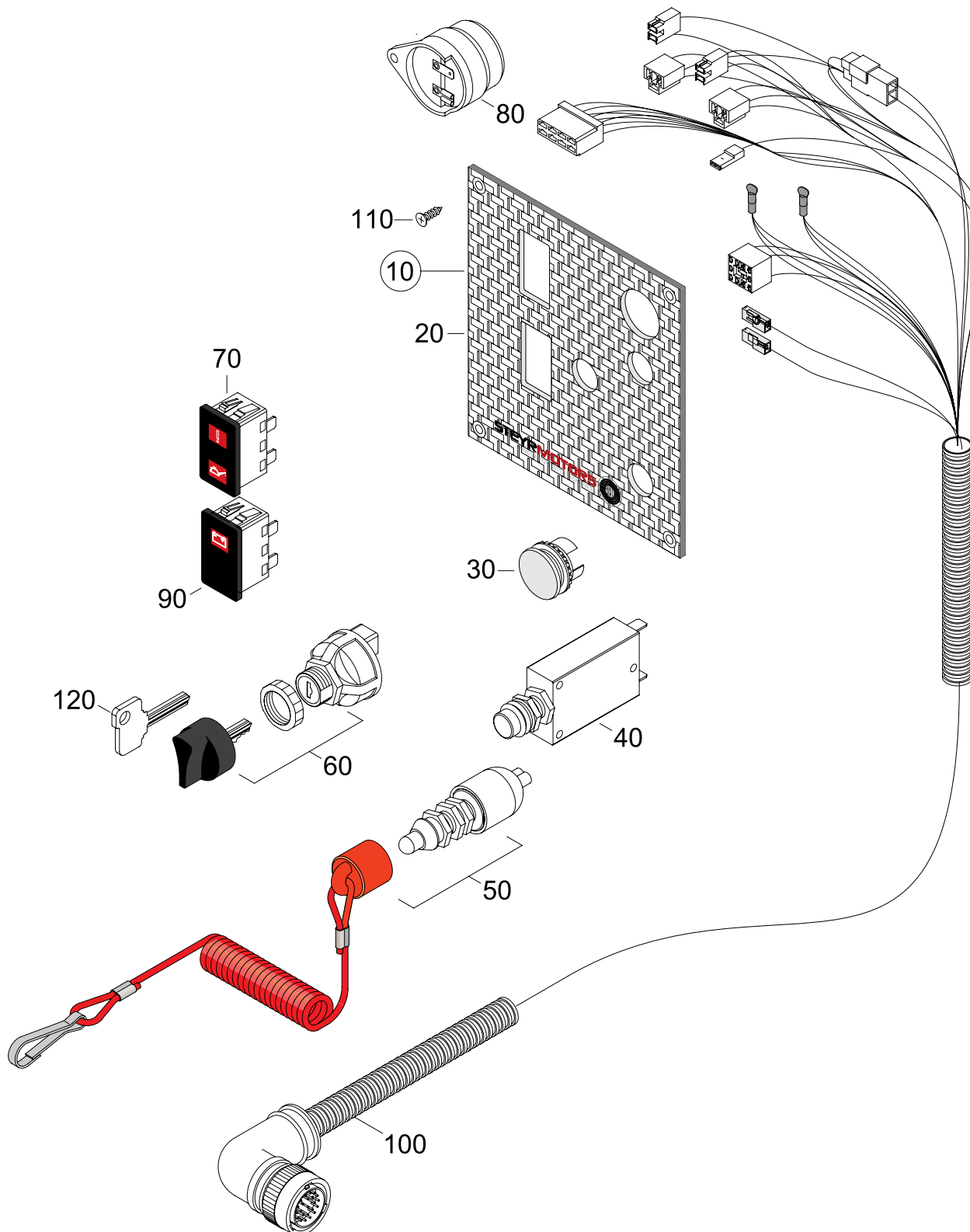


TA 0611

164 MARINE
TURBO DIESEL
+ SOLAS

SWITCH PANEL FOR DISPLAY FROM 2010-->

06112184-1



SWITCH PANEL FOR DISPLAY FROM 2010-->

164 MARINE
TURBO DIESEL
+ SOLAS

06112184-1





164 MARINE
TURBO DIESEL
+ SOLAS

06124084-0

Exploded view diagram of the 06124084-0 control panel assembly. The diagram illustrates the components and their assembly sequence, indicated by numbered callouts and dashed lines.

Components and Callouts:

- 10:** Main control panel housing.
- 24:** Mounting bracket.
- 120:** Mounting screw.
- 170:** Cable connector.
- 150:** Cable harness.
- 180:** Cable tie.
- 160:** Cable harness with connector.
- 230:** Cable harness with connector.
- 220:** Cable harness with connector.
- 50:** Cable connector.
- 60:** Cable connector.
- 80:** Red indicator light.
- 70:** Green indicator light.
- 90:** Indicator light.
- 115:** Indicator light.
- 100:** Indicator light.
- 110:** Indicator light.
- 1:** Mounting screw.
- TA 0610:** Terminal block.

Assembly Notes:

- NEW DESIGN:** Indicated by an upward arrow pointing to the new design components.
- OLD DESIGN:** Indicated by a downward arrow pointing to the old design components.
- REPLACED BY:** Indicated by a downward arrow pointing to the new design components.

PUSH BUTTON PANEL SOLAS FOR DISPLAY TILL -->2010

164 MARINE
TURBO DIESEL
+ SOLAS

06124084-0



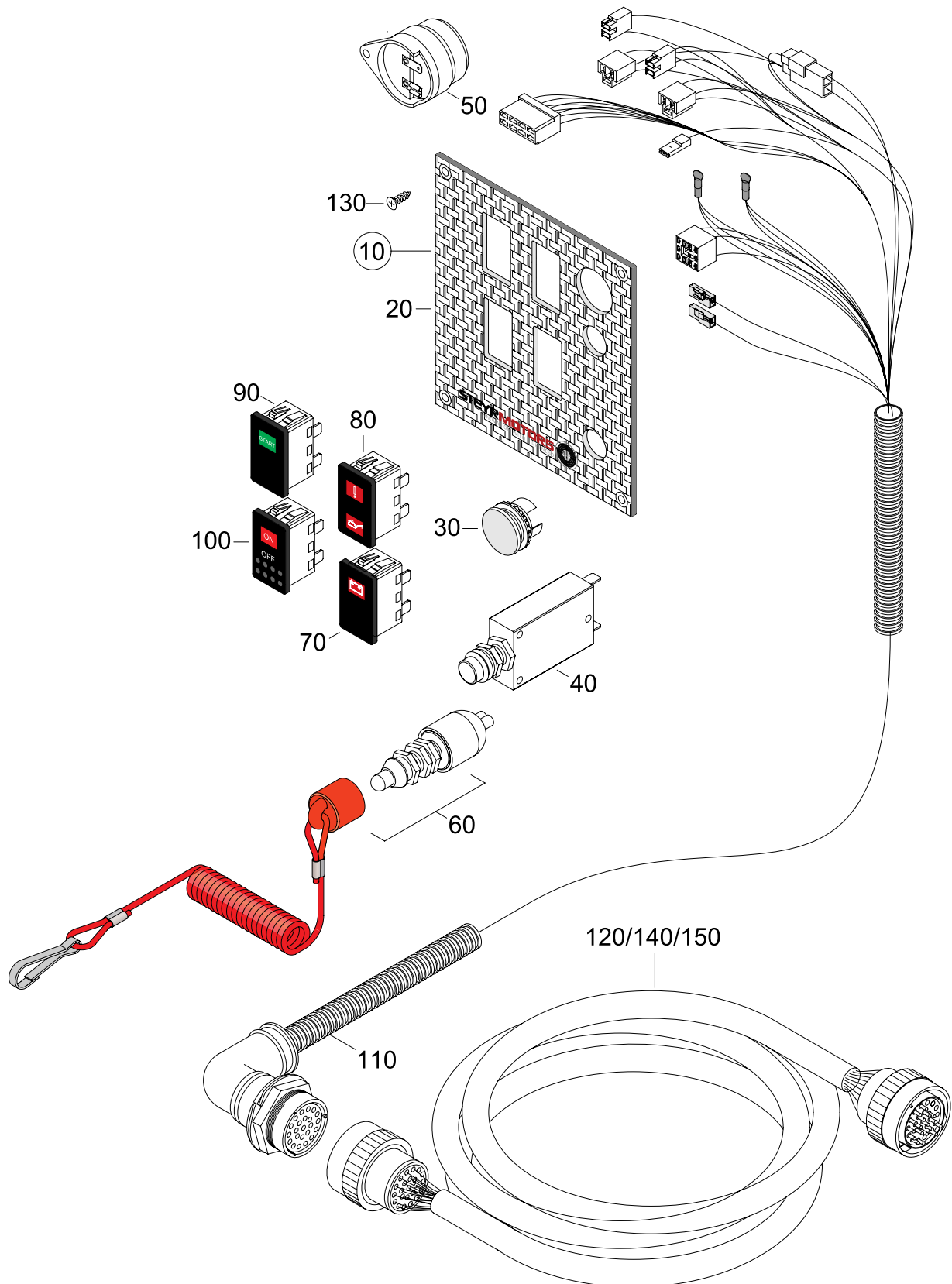


TA 0612

164 MARINE
TURBO DIESEL
+ SOLAS

PUSH BUTTON PANEL SOLAS FOR DISPLAY FROM 2010-->

06122184-1



164 MARINE
TURBO DIESEL
+ SOLAS

06122184-1

Z001015-0 07





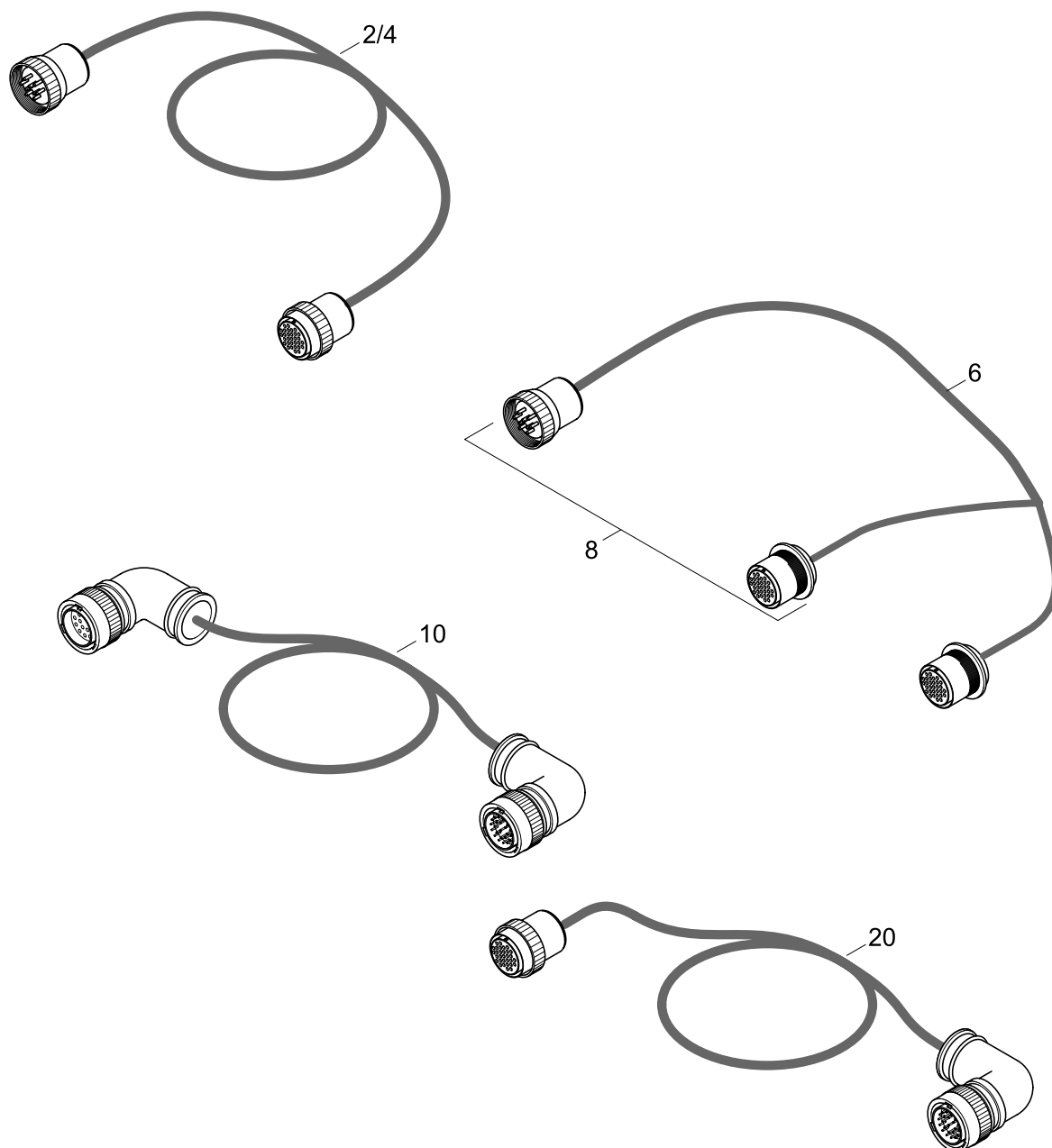
TA 0613

164 MARINE
TURBO DIESEL
+ SOLAS

EXTENSION CABLE INSTRUMENTS (ACCESSORY)

06136184-0

NOTE: NOT COMPATIBLE WITH "SOLAS" INSTRUMENT PANEL



EXTENSION CABLE INSTRUMENTS (ACCESSORY)

164 MARINE
TURBO DIESEL
+ SOLAS

06136184-0





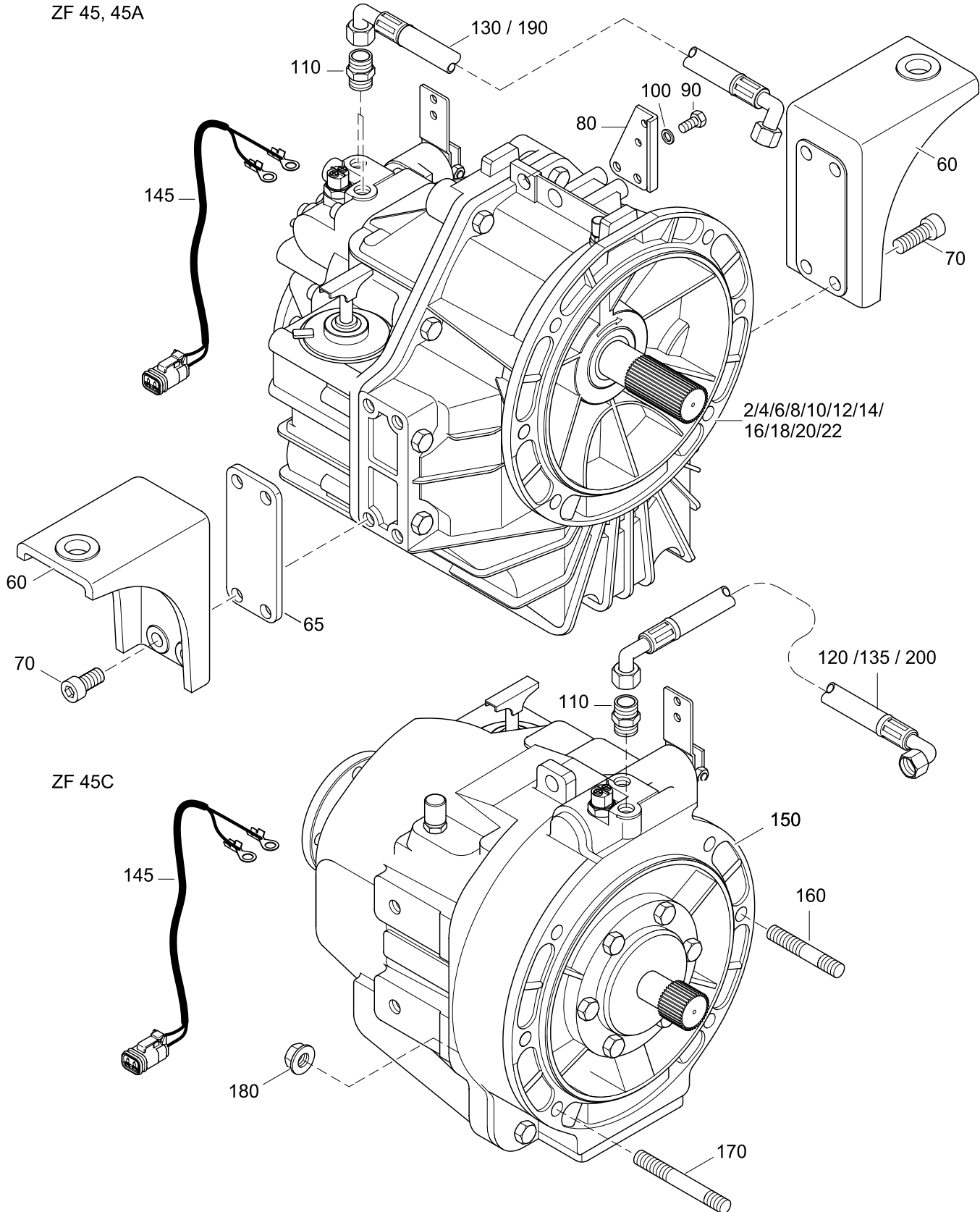
TA 0700

164 MARINE
TURBO DIESEL
+ SOLAS

TRANSMISS., MOUNTING BRACKETS, PIPES

07004084-0

ZF 45, 45A



TRANSMISS., MOUNTING BRACKETS, PIPES

164 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



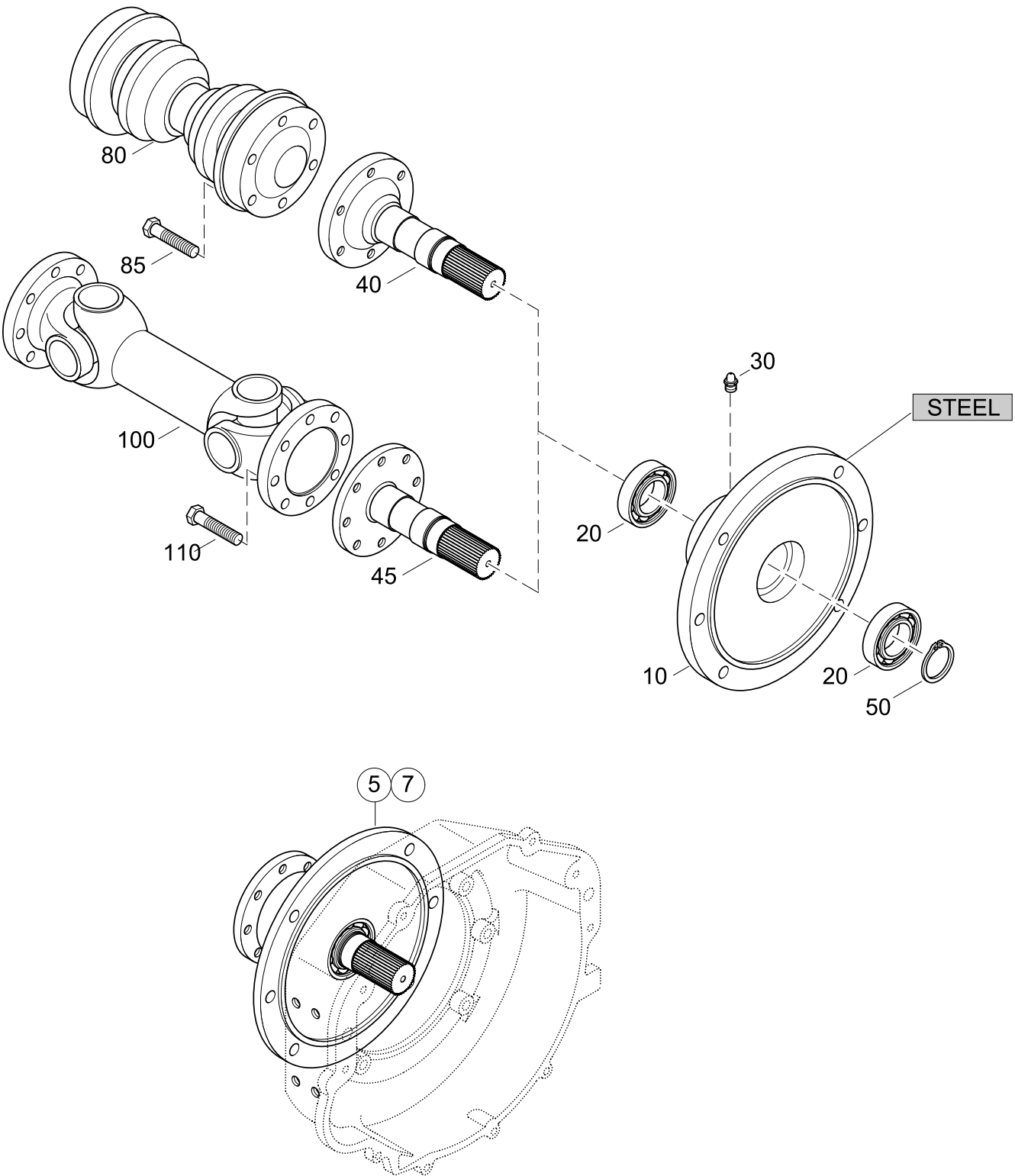


TA 0701

164 MARINE
TURBO DIESEL
+ SOLAS

TRANSMISSION-SHAFT, PTO-SHAFT (STEEL)

07016084-0



TRANSMISSION-SHAFT, PTO-SHAFT (STEEL)

164 MARINE
TURBO DIESEL
+ SOLAS

07016084-0



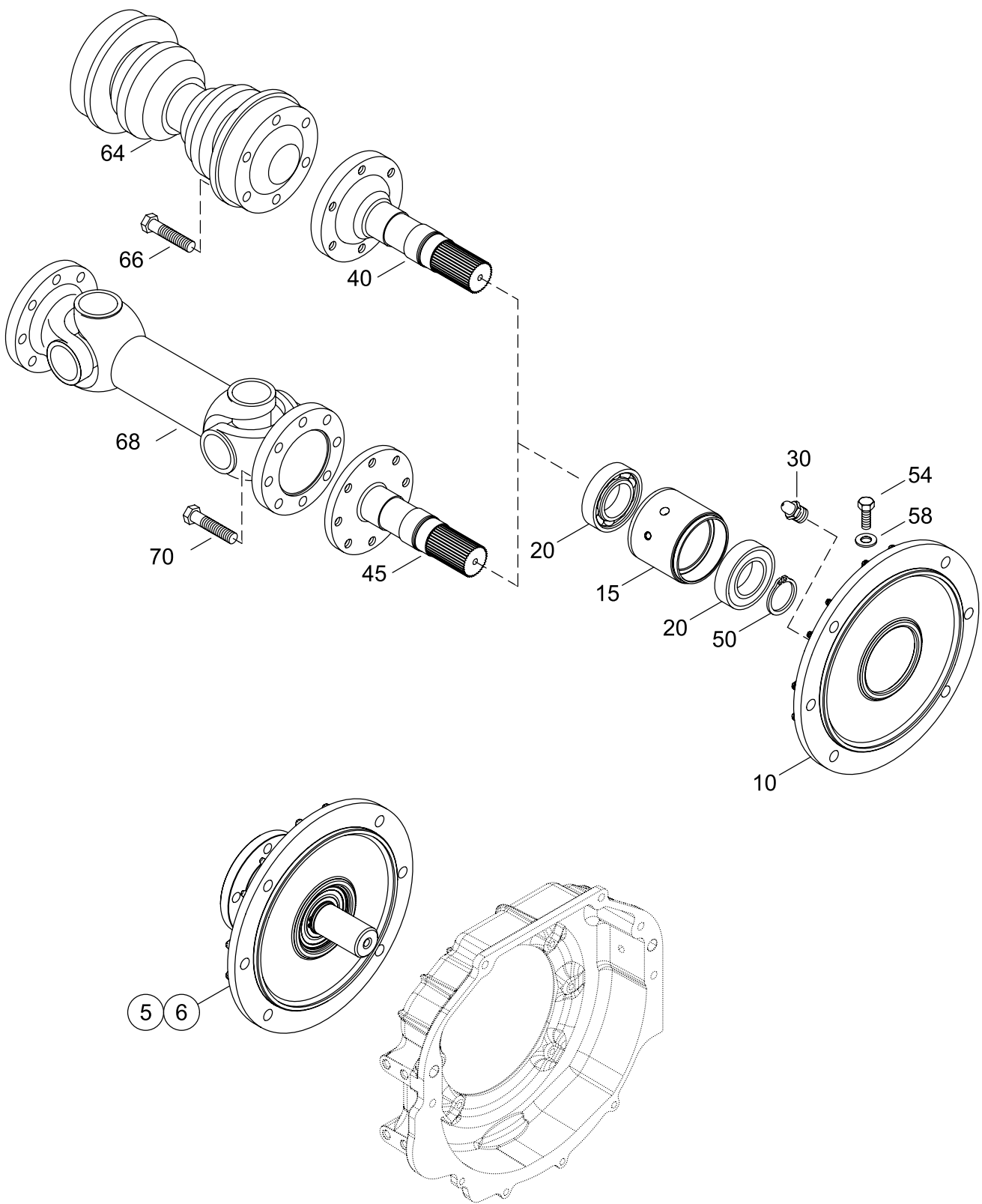


TA 0701

164 MARINE
TURBO DIESEL
+ SOLAS

TRANSMISSION-SHAFT, PTO-SHAFT (ALU)

07016184-0



164 MARINE
TURBO DIESEL
+ SOLAS

07016184-0

Z001015-0 07



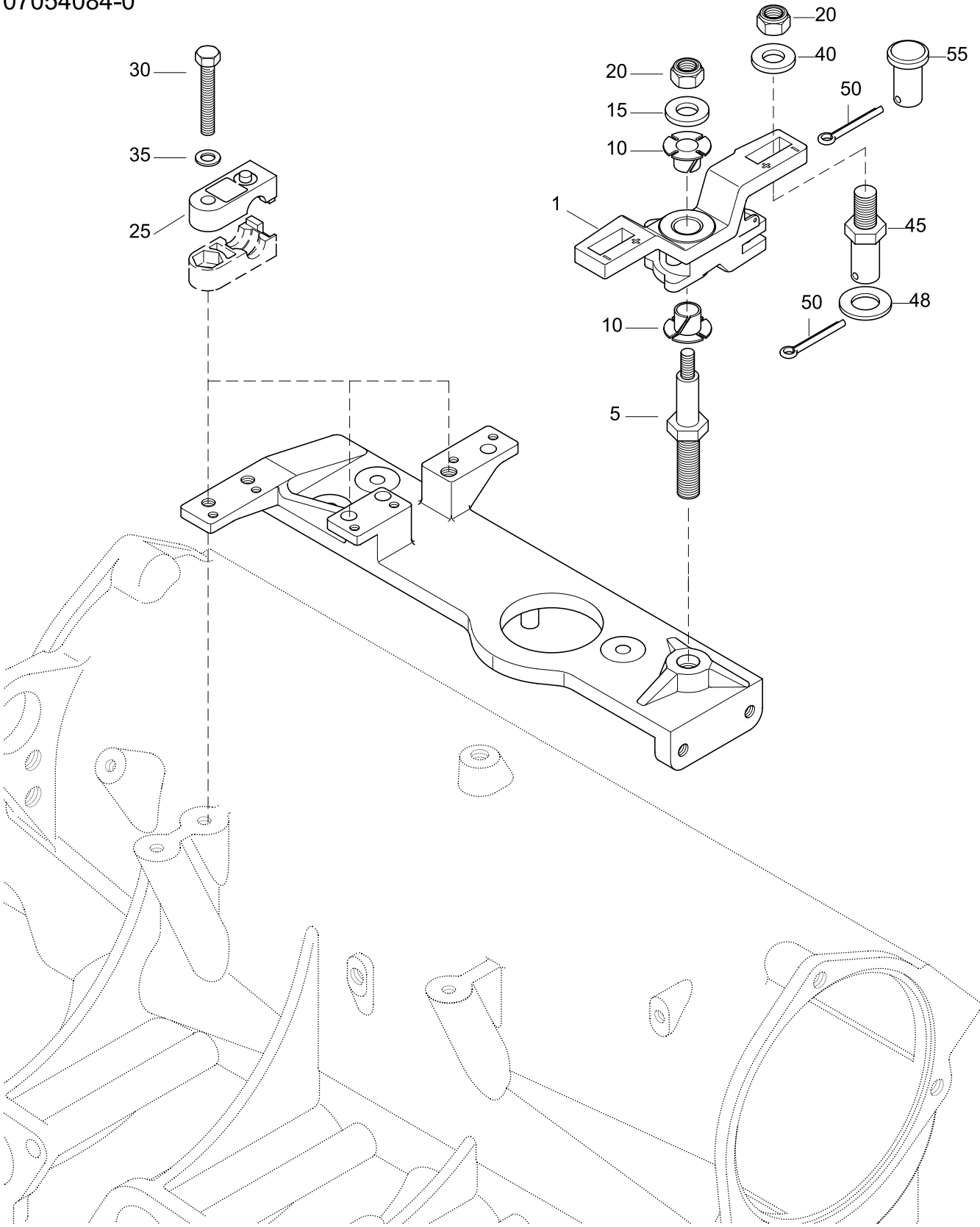


TA 0705

164 MARINE
TURBO DIESEL
+ SOLAS

TRANSMISSION GEAR SHIFT, CONTROLS

07054084-0



164 MARINE
TURBO DIESEL
+ SOLAS

07054084-0

Z001015-0 07





164 MARINE
TURBO DIESEL
+ SOLAS



DRIVE ADAPTER VOLVO STERNDRIVE (ACCESSORY)

164 MARINE
TURBO DIESEL
+ SOLAS

07206084-0

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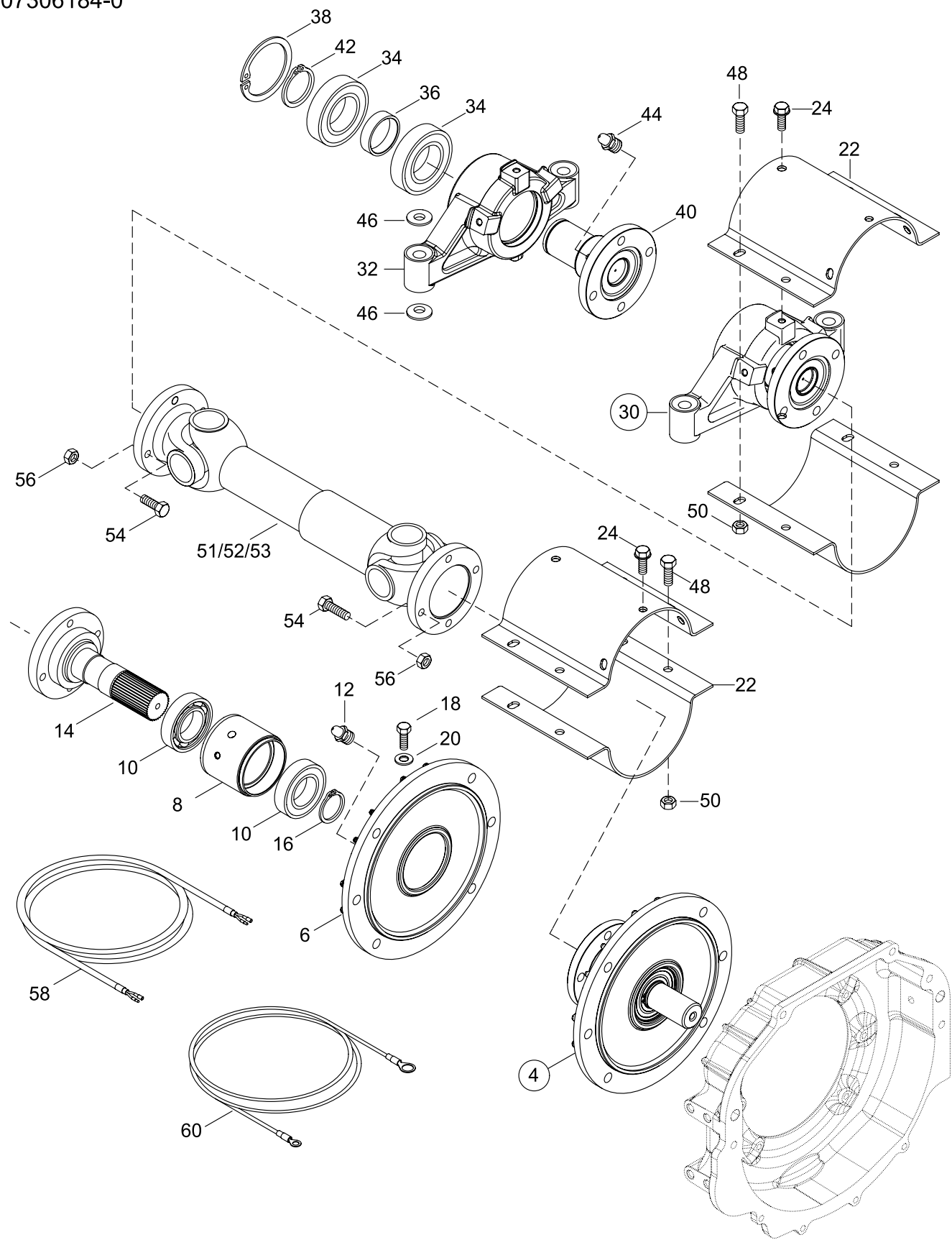


TA 0730

164 MARINE
TURBO DIESEL
+ SOLAS

DRIVE SHAFT EXT. MERCURY STERNDRIVE (ACCESSORY)

07306184-0



DRIVE SHAFT EXT. MERCURY STERNDRIVE (ACCESSORY)

164 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



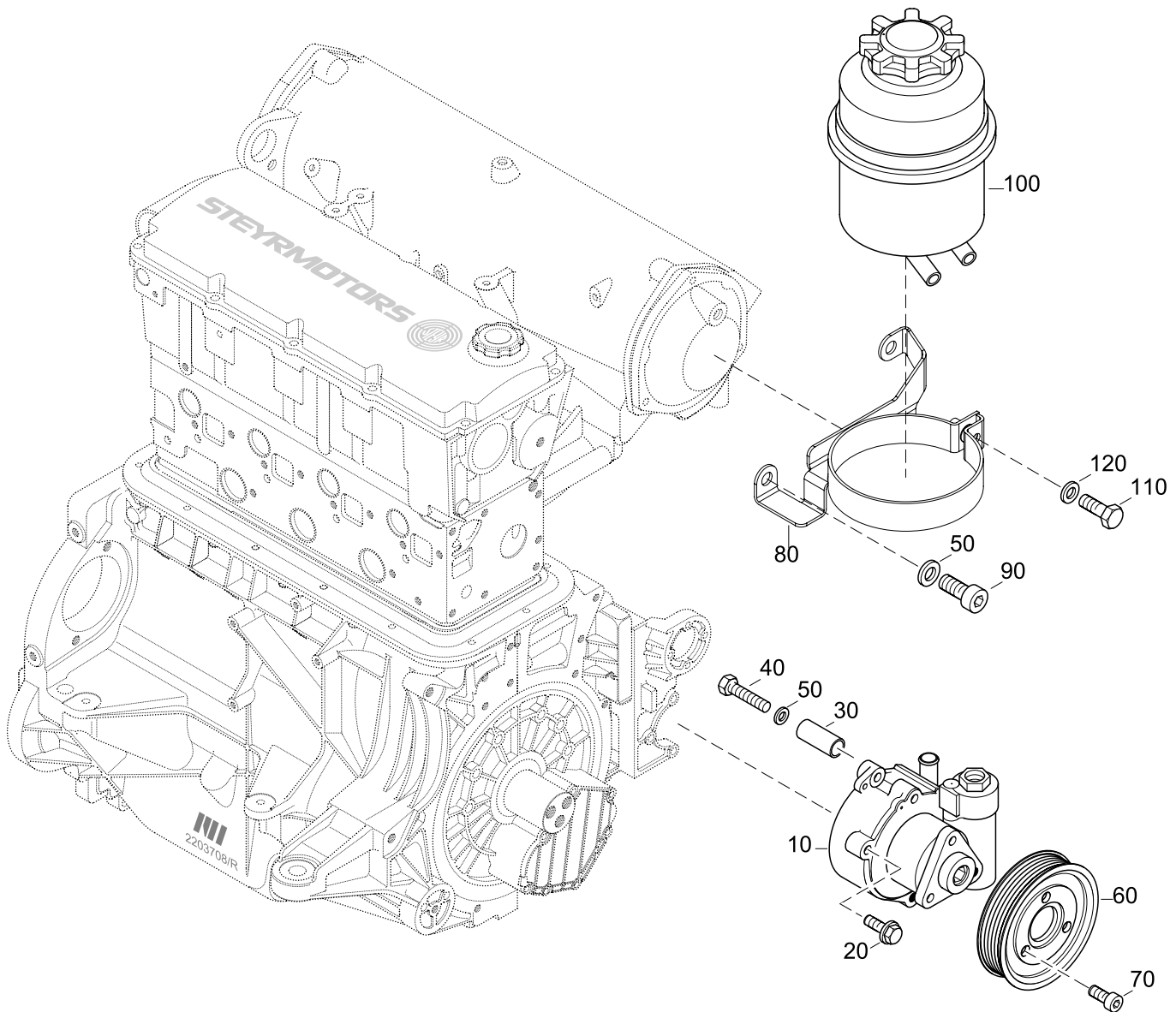


TA 1408

164 MARINE
TURBO DIESEL
+ SOLAS

HYDRAULIC PUMP

14084084-0



164 MARINE
TURBO DIESEL
+ SOLAS

14084084-0

Z001015-0 07





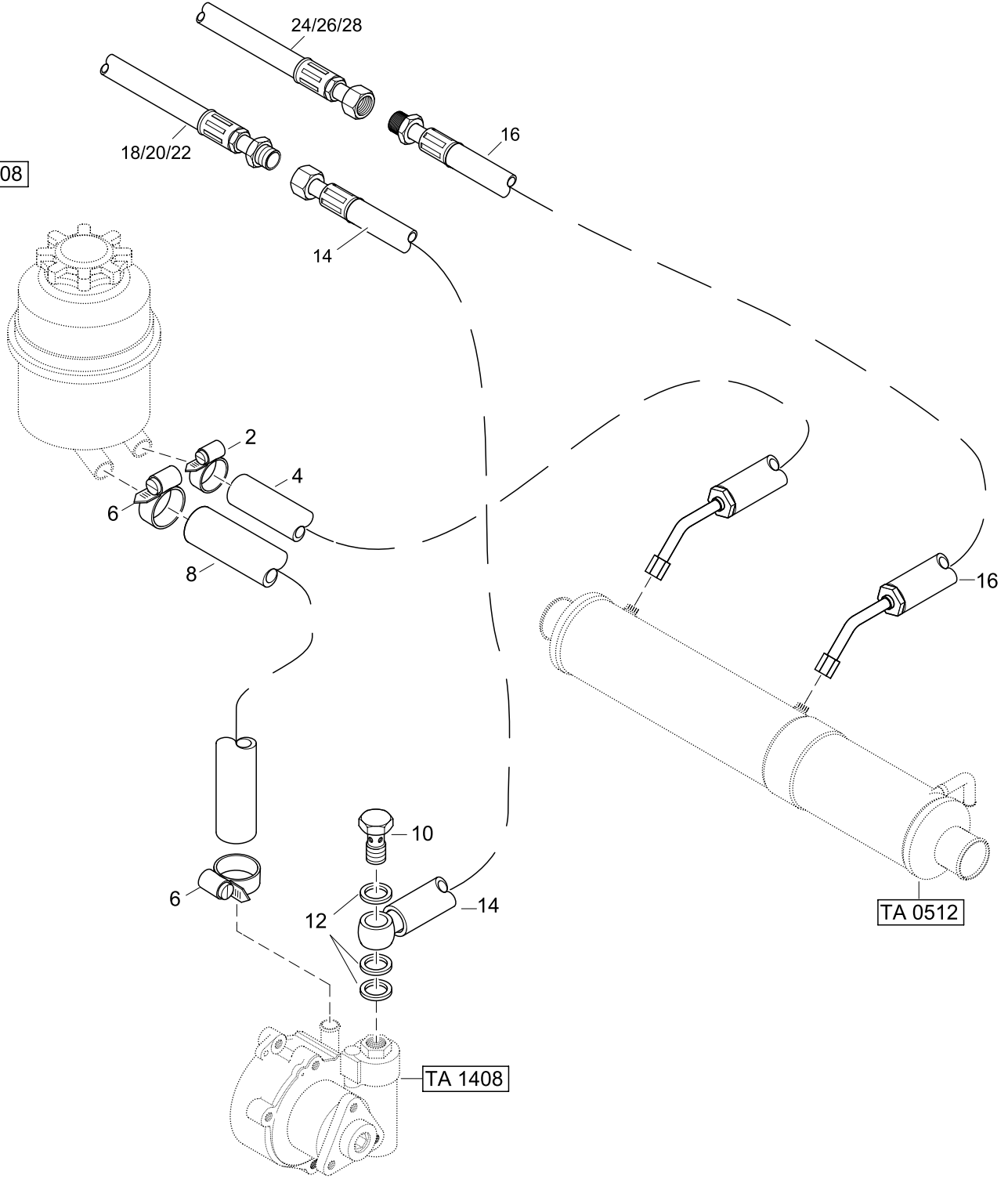
TA 1409

164 MARINE
TURBO DIESEL
+ SOLAS

HYDRAULIC PIPES

14094084-0

TA 1408



164 MARINE
TURBO DIESEL
+ SOLAS

14094084-0

Z001015-0 07



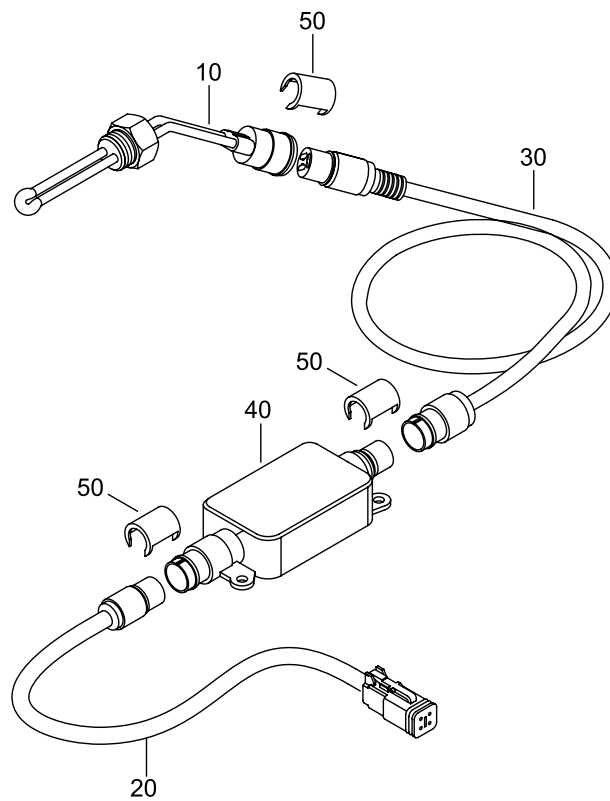
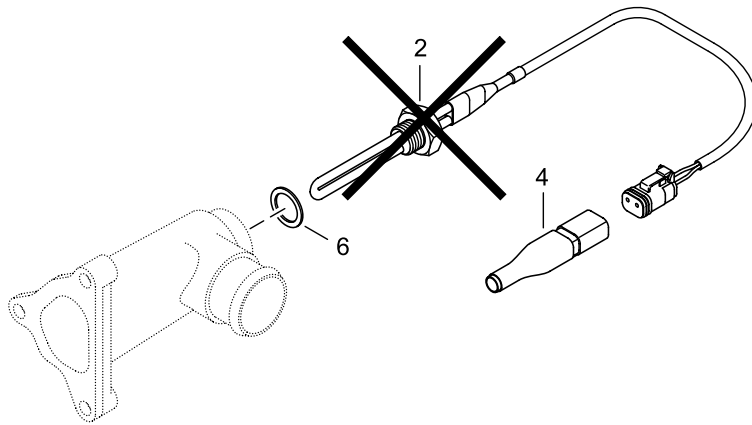


TA 2207

164 MARINE
TURBO DIESEL
+ SOLAS

ENGINE PREHEATING (ACCESSORY)

22076184-0



ENGINE PREHEATING (ACCESSORY)

164 MARINE
TURBO DIESEL
+ SOLAS

22076184-0

[illegible]

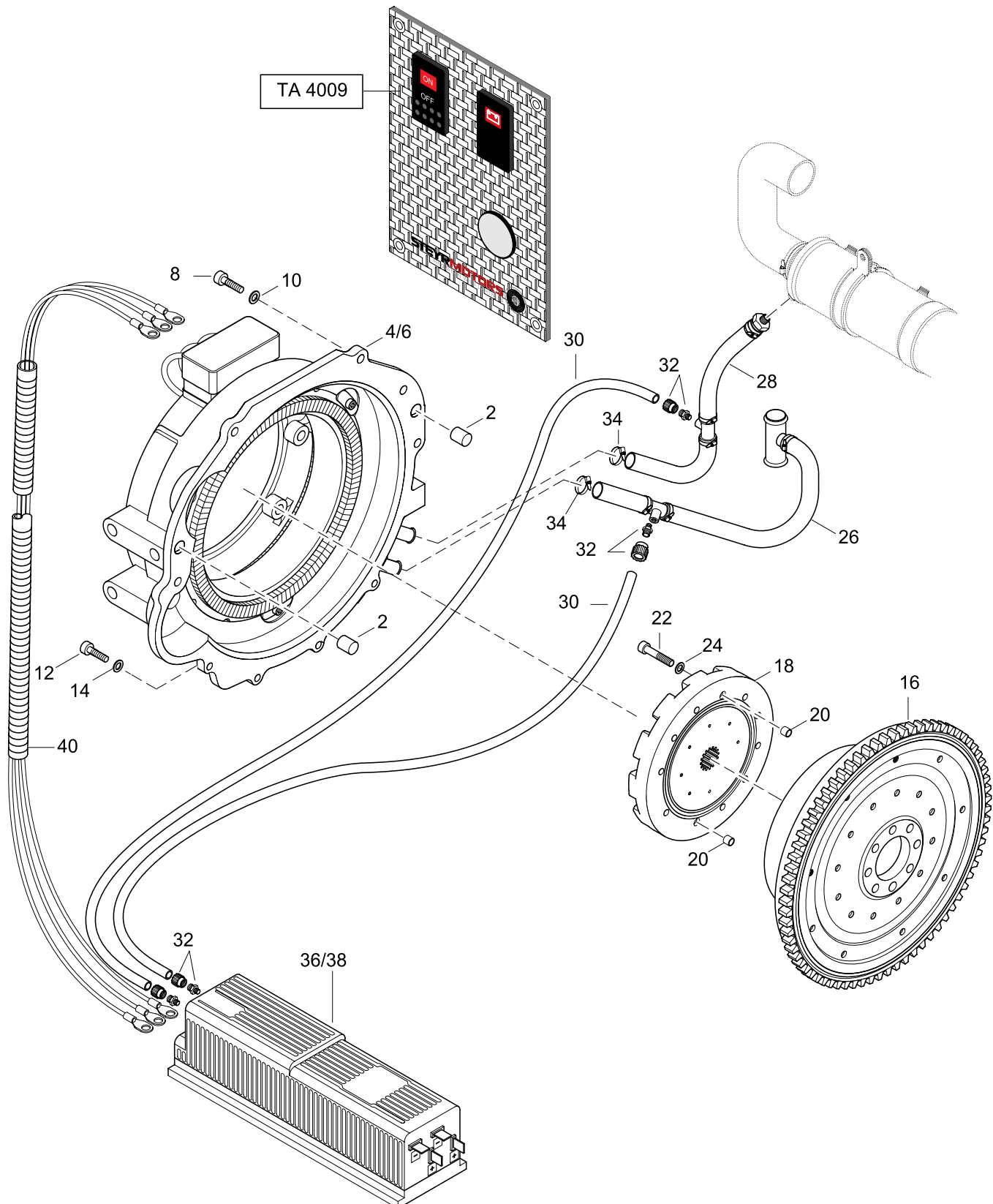


TA 4000

164 MARINE
TURBO DIESEL
+ **SOLAS**

INTEGR. FLYWHEELGENERATOR (IFG) (ACCESSORY)

40004084-0



164 MARINE
TURBO DIESEL
+ SOLAS

40004084-0

Z001015-0 07

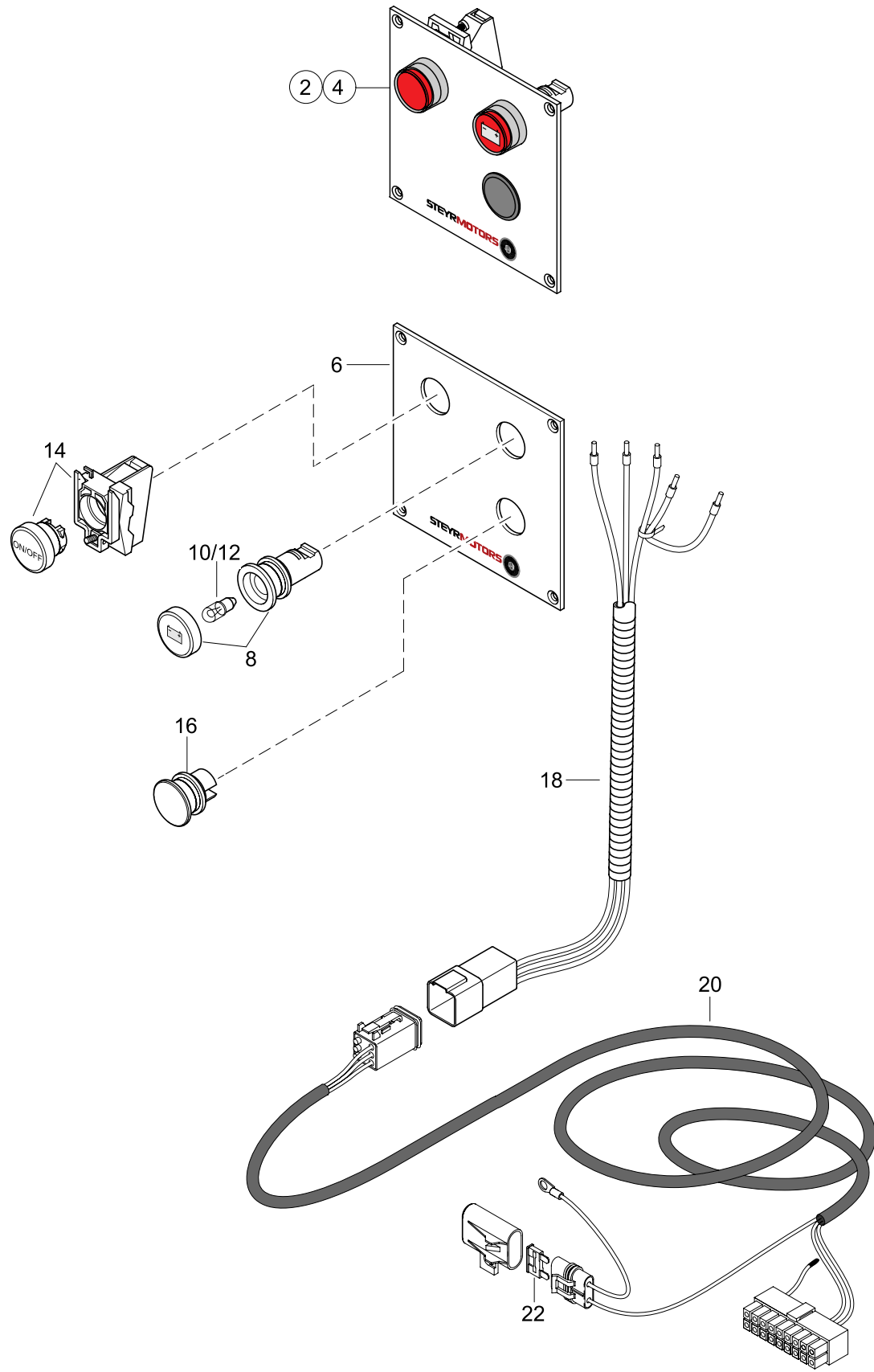


TA 4009

164 MARINE
TURBO DIESEL
+ SOLAS

PUSH BUTTON PANEL "IFG" TILL -->2010

40096184-0



164 MARINE
TURBO DIESEL
+ SOLAS

40096184-0

Z001015-0 07

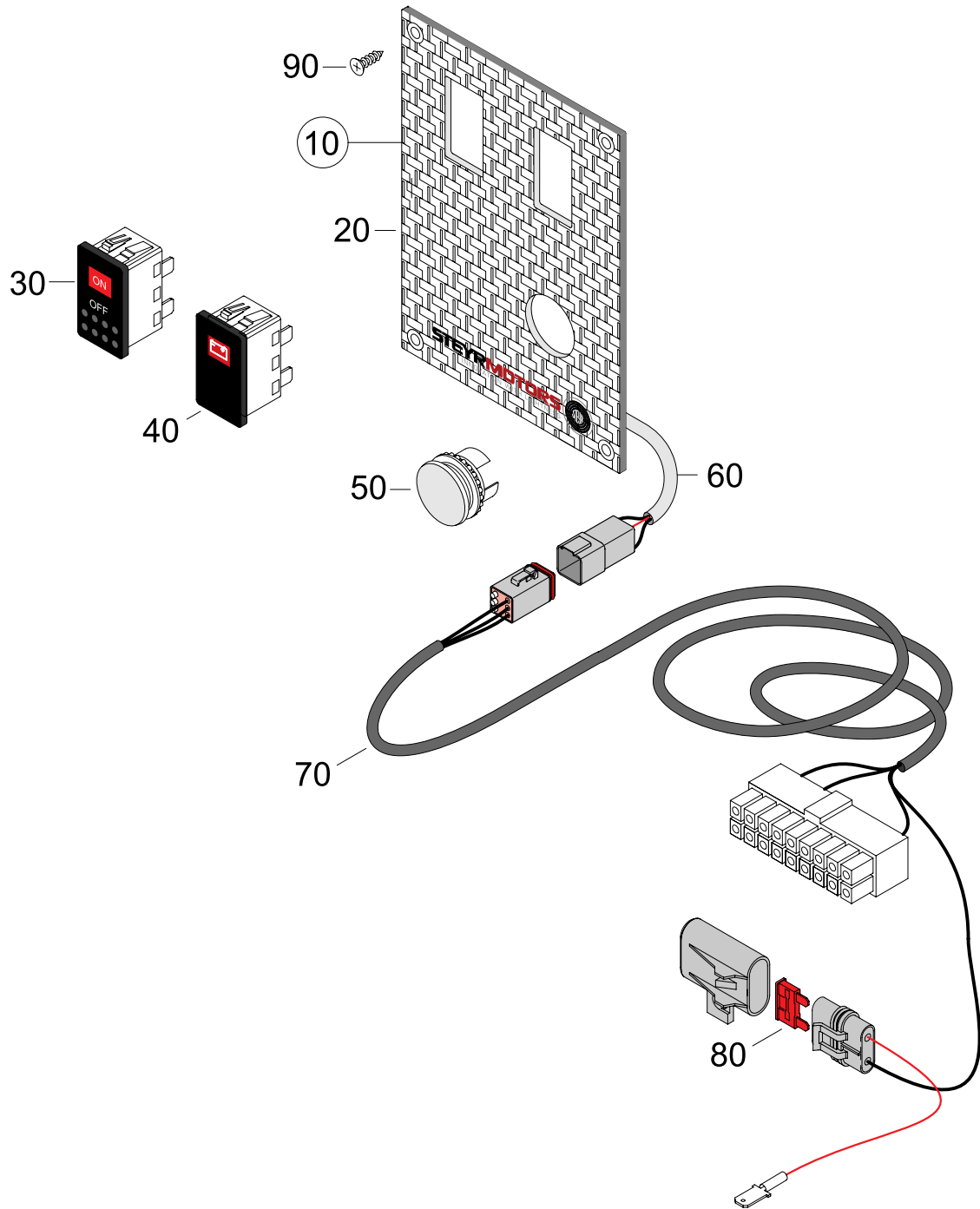


TA 4009

164 MARINE
TURBO DIESEL
+ SOLAS

PUSH BUTTON PANEL "IFG" FROM 2010-->

40096184-1



164 MARINE
TURBO DIESEL
+ SOLAS

40096184-1

Z001015-0_07



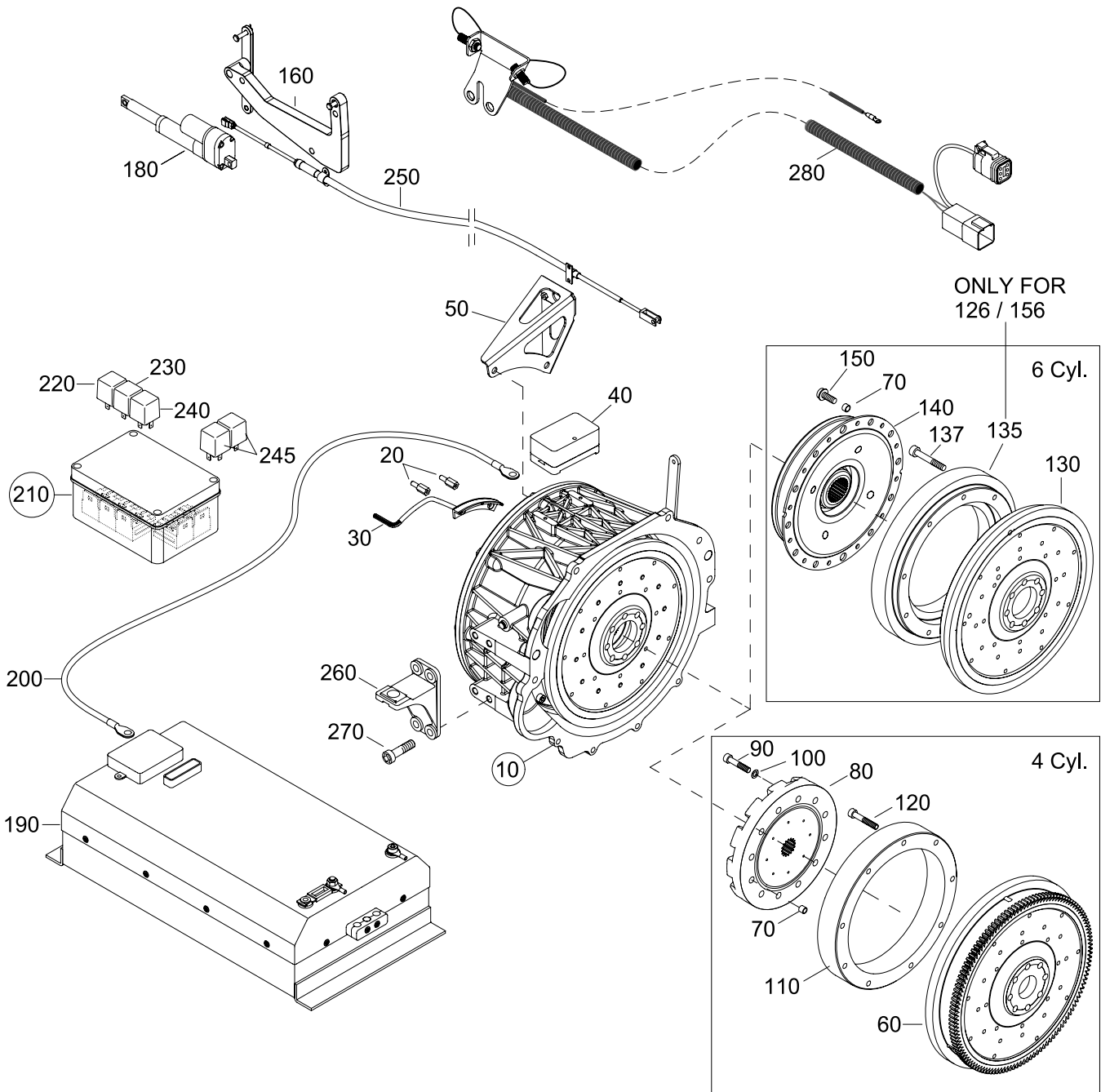


TA 4100

164 MARINE
TURBO DIESEL
+ SOLAS

HYBRID STAGE I

41006184-0



HYBRID STAGE I

164 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



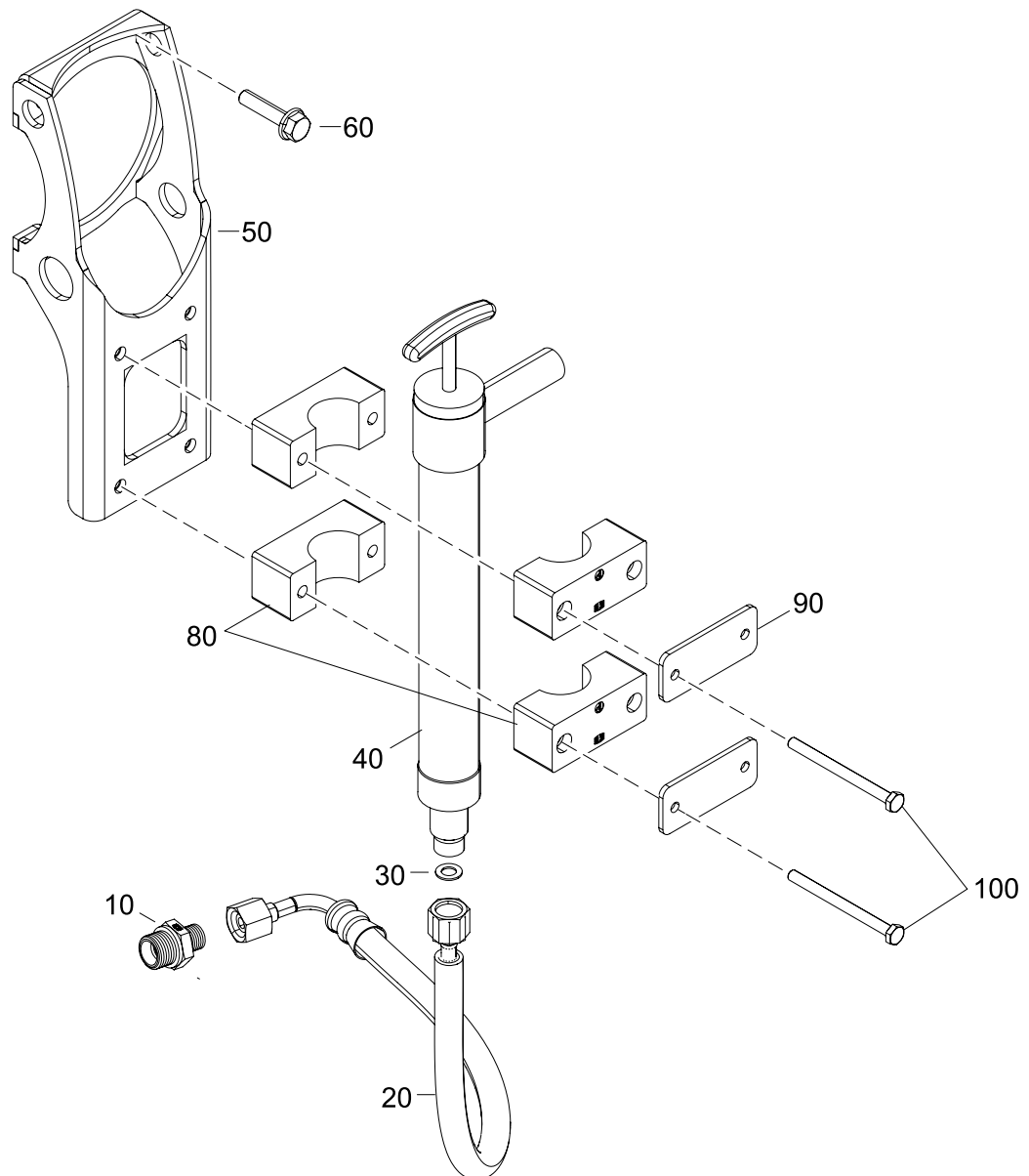


TA 5520

164 MARINE
TURBO DIESEL
+ SOLAS

OIL DRAIN PUMP

55204084-0



OIL DRAIN PUMP

164 MARINE
TURBO DIESEL
+ SOLAS

55204084-0

[illegible]

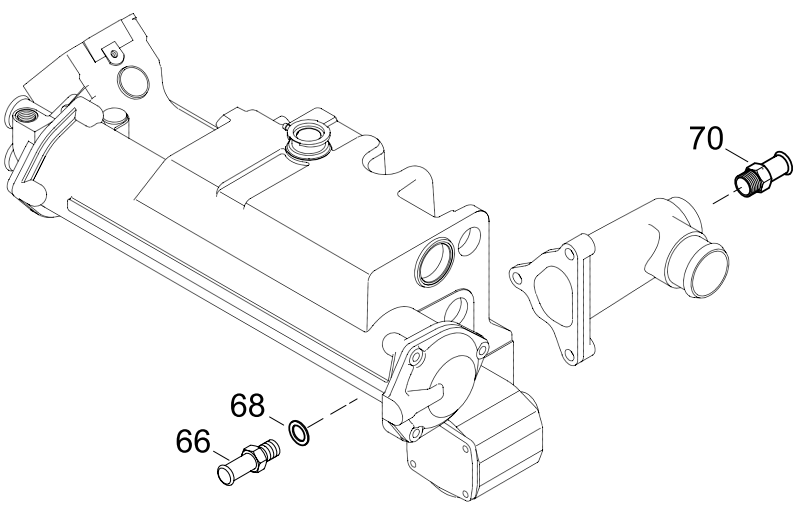
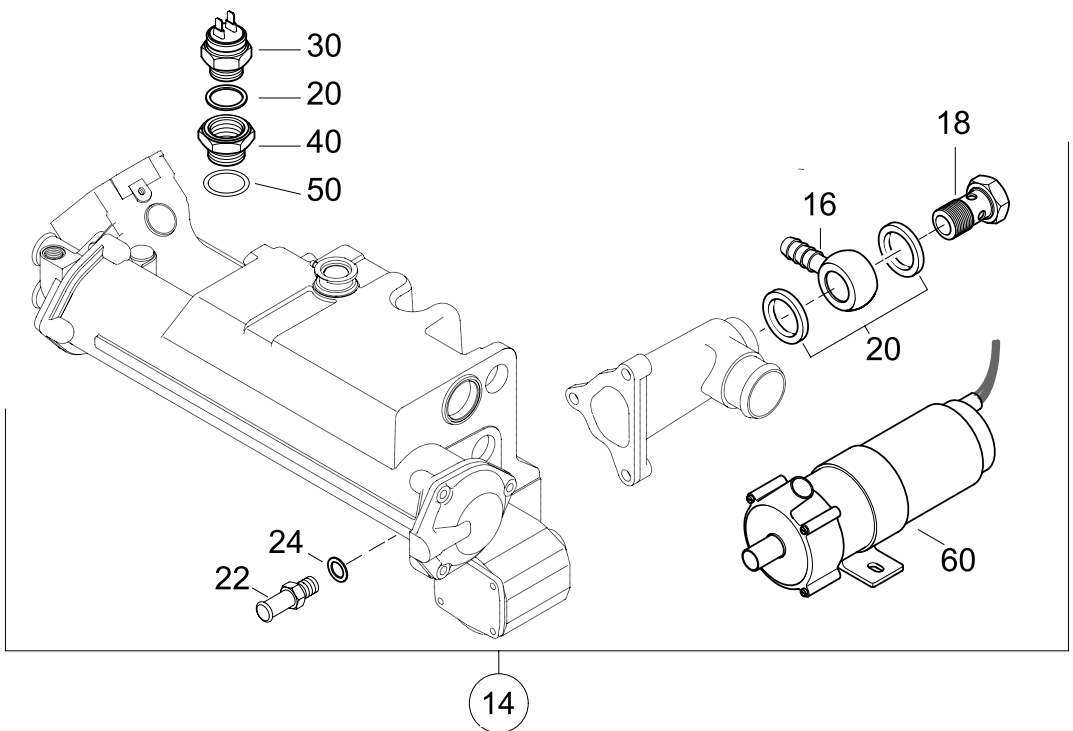


TA 6012

164 MARINE
TURBO DIESEL
+ SOLAS

HEATING UNIT, CIRCULATION PUMP (ACCESSORY)

60124084-0



HEATING UNIT, CIRCULATION PUMP (ACCESSORY)

164 MARINE
TURBO DIESEL
+ SOLAS

60124084-0

[illegible]



TA 9000

164 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

164 MARINE
TURBO DIESEL
+ SOLAS

90006000-0

[illegible]