

SPARE PART CATALOG

12V4000G23R/526108120



Power. Passion. Partnership.

Printed in Germany

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This handbook is provided for use by maintenance and operating personnel in order to avoid malfunctions or damage during operation.

Subject to alterations and amendments **Business Portal Online Print 05-09-2014**

Preface

This catalog is the basic reference document for ordering spare parts. Illustrations are provided for extensive assembly operations to assist trained personal in conducting such operations but do not claim to be complete. For better overview, even product components that are not available as spare parts are shown.

The individual components were taken from the assembly list.

Catalog structure

The catalog is divided into Function Groups (FG) and Function Group Segments (FGS) in ascending order.

The side contain the following information:

- **MODEL:** (Product Type)
- **SERIAL NO.:**
- **FG/FGS DESIGNATION**
- **FG/FGS NO.:**
- **BOM No.:**

Explanation of columns

- **ITEM:** Provides a cross-reference between illustration and text section.
- **PART NO.:** This is the valid number for ordering the part in question.
- **DESIGNATION:** The precise part name.
- **MODEL/TYPE** is an additional specification.
- **QTY.: (Quantity in Unit):** Indicates the quantity of this part required for the case in question. Quantities not stated are available on request.
- **UNIT:** The 3-character codes indicate: PC = Piece, KG= Kilogram, M= Meter, ROL= Roll, PAC= Pack
- **WEIGHT**
- **FN.:** (Footnote) Provides additional parts information. For clarification of footnote symbols, see Page 2.
- **DIMENSIONS:** This column contains standard-part dimensions or manufacturer designations for purchased parts.
- **STANDARD**

Amendments service

Part No. changes and amendments which occur after publication of the catalog are not published. We therefore recommend that users make a record of amendments in their catalogs. This information is provided, for instance, in order confirmations and/or on spare parts labels.

Footnotes: Key

- AB** Only available complete. Repair by manufacturer only.
- AC** Not scheduled as a spare part. Availability must be checked.
- ACN** Not scheduled as a spare part. Availability must be checked. Component only available complete.
- EM** Emission-relevant part. In the case of all marine engines with IMO certification it should be noted that the identification numbers of the emission-relevant parts on the engine must match the details given in the technical file.
When ordering, quote EM code with order no. E.g: 535 030 04 17 EM.
- EMN** Emission-relevant parts. Component only available complete.
- KD** Group balancing required
- KE** Individual part; not scheduled as a spare part.
- KF** Adjusted spare part.
- KFN** Adjusted spare part. Component only available complete.
- M** Spares-related components or parts with different repair sizes.
Dimensions are listed in the Tolerances and Wear Limits List.
- MN** Spares-related components or parts with different repair sizes. Components only available complete.
- MUB** Spares-related components or Parts with different repair sizes. Available only as complete set.
- NN** Component is not broken down into further sub-components.
- P** List of bought-in components
- SB** Group of parts which are welded or brazed together
- UA** Indicate dimensions when ordering
- UB** Only supplied complete or as a complete set.

Ordering Procedure

The following information is essential for spare-part order processing:

- Engine Model
- Serial number (see engine name plate)
- FG/FGS
- Item
- Part No.
- Designation
- Model/Type
- Quantity
- Page

When ordering replacement parts for ancillary equipment such as injection pumps, fuel pumps, etc., give both model and part number of the part.

When ordering a calibrated part (marked by "KF", "KFN" in the "FN" column), type the following additional information in the **Comments** field:

If the calibration No. is known (see part's nameplate):

Add the calibration No., preceded by an oblique stroke, as an extension to the part number ("/xxxxx")

e.g.: 0025362810/E1234 Here, the extension "E1234" would be the part's calibration number on the nameplate.

If the calibration No. is not known:

Give a detailed description of the required part's installation location by quoting the complete Device Description code (e.g. "= 37.1.1 + A022 - F003") plus the part number extension "/77" (e.g. 5005362810/77).

In this case, the calibrated spare part will be supplied under a new part number.

The Device Description is found on the nameplate at the part's installation location, or in the corresponding Wiring Diagram.

When ordering a non-calibrated adjustable part (marked by "KF", "KFN" in the "FN" column) which should not be calibrated by the factory: Add extension "/76" to the part number (e.g. 0025362810/76).

Phone orders should be confirmed in writing to prevent errors.

Ordering Example:

Engine model	Serial number	FG/FGS	ITEM	Part No.	Designation	Quantity	Page
16V4000R41	527101836	031 88	5	5270300701	Crankshaft	1	33
		083 05	10	0020922801	Easy-Cange Filter	2	92
Blue Line	V4000M Waterjet	517 00	75	5185301593	Control Console	1	53

Factory repairs

Parts shipped to MTU for repair must be marked with the relevant engine serial number (tag or label, for example).

Exchange components (Reman)

Exchange components are parts overhauled by the manufacturer. They have the same service life and quality characteristics as new parts.

Components which are included in the Reman exchange program are marked by the following letters in front of the item number:

For instance: **E** 524 010 3520 = **New component in exchange program**

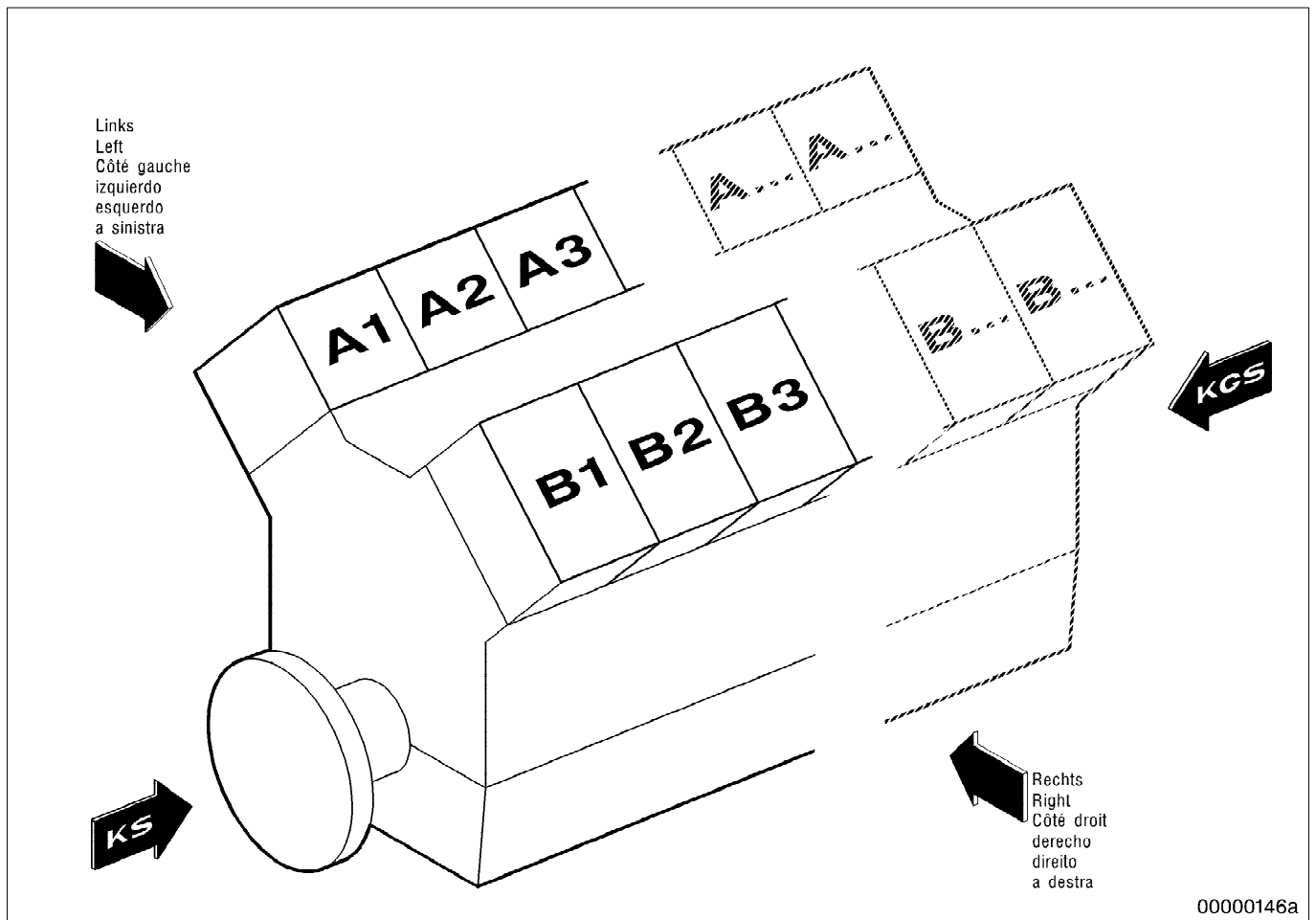
R 524 010 3520 = **Reman component in exchange program**

Exchange procedure

With the introduction of exchange components, the so-called core deposit will also be charged for new parts. The core deposit will be indicated separately on the invoice and the respective value will be credited upon return of reusable components.

Further information upon request.

Engine side and cylinder designations



Engine sides / banks are always designated as viewed from the driving end (KS).
 The left bank of cylinders is designated "A" and the right bank "B" (according to DIN ISO 1204).
 The cylinders of each bank are numbered consecutively from the driving end, starting with No. 1.
 Other engine components are also numbered consecutively from the driving end, starting with No. 1.

Designations and abbreviations

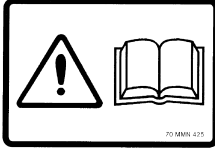
- Driving end = KS
- Free end = KGS
- Left-hand side
- Right-hand side
- Top
- Bottom
- Turbocharger = ATL

FG FG DESIGNATION
004 LABELS AND AUXILIARY MATERIALS
011 CRANKCASE
014 OIL PAN
015 ENGINE MOUNTING
016 END HOUSING, DRIVING END AND FREE END
018 CRANKCASE BREATHER
024 GEARCASE, AUX PTO END
031 CRANKSHAFT WITH BEARINGS
032 CRANKSHAFT, PTO ON DRIVING END
035 CRANKSHAFT, PTO ON AUX PTO END
036 TRANSPORT LOCK/LOCK FOR CRANKSHAFT
037 PISTON
038 CONNECTING ROD
041 CYLINDER HEAD
051 CAMSHAFT
055 VALVE DRIVE
073 INJECTION PUMP / HP PUMP
075 FUEL INJECTOR
077 INJECTION LINE / HP FUEL LINE
081 FUEL PIPEWORK BEFORE DELIVERY PUMP
082 FUEL PIPEWORK FROM DELIVERY PUMP TO FILTER
083 FUEL FILTER
086 LEAK-OFF FUEL LINE / FUEL RETURN
101 EXHAUST TURBOCHARGER, GENERAL OR H.P. TURBOCHARGER
114 CHARGE AIR COOLING, CENTRAL
121 AIR FILTER
124 AIR SUPPLY TO CYLINDERS
125 AIR ROUTING BETWEEN TURBOCHARGER AND CHARGE-AIR COOLER
141 EXHAUST SYSTEM AFTER CYLINDER HEAD
145 EXHAUST SYSTEM AFTER TURBOCHARGER
172 ELECTRIC STARTING
181 LUBE OIL PUMP AND DRIVE
183 OIL FILTRATION/COOLING
184 CRANKCASE-INTERNAL OIL SUPPLY
185 TURBOCHARGER OIL SUPPLY
202 COOLANT CIRCUIT, GENERAL, HT CIRCUIT
203 LOW-TEMPERATURE CIRCUIT
206 COOLANT PIPEWORK WITH THERMOSTAT
207 RAW WATER PUMP WITH CONNECTIONS
213 GENERATOR
231 ENGINE MOUNTING
507 WIRING, GENERAL, FOR ENGINE/GEARBOX/PLANT
508 ACCESSORIES FOR ENGINE GOVERNOR (ELECTRONIC) CONTROL SYSTEM

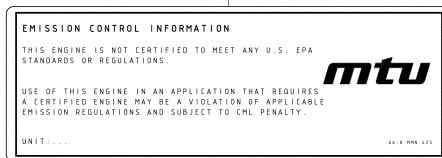
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GROUP NAME

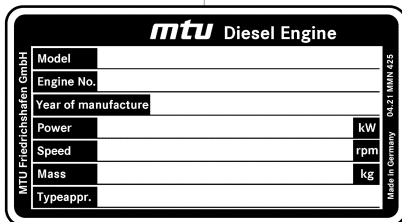
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PLATE
000.00899

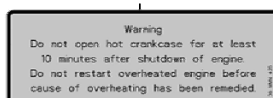
0040053a

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NON-EPA LABEL
XS524000.00019

00400106a

05
NAMEPLATE ENGLISH
XS524000.00097

00400160

05
PLACARD POS. EXPL: HAZARD
XS524000.00104

00400161

GROUP SEGMENT (FGS)

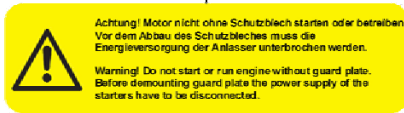
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BOM-No.

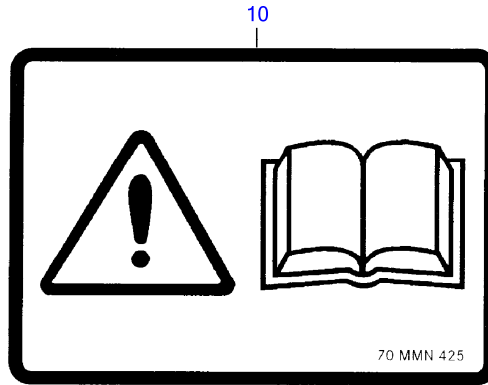
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PLACARD

XSD01000.00004



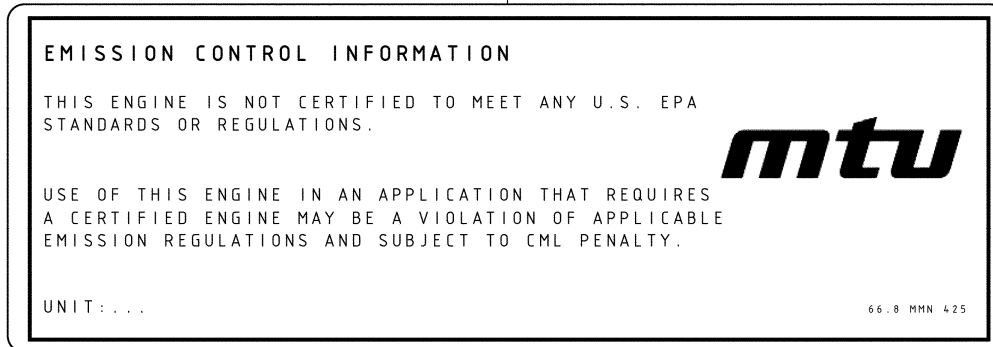
09631#



00400053a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	700425000155	PLATE	1	pc	1,500 g	70	MMN425

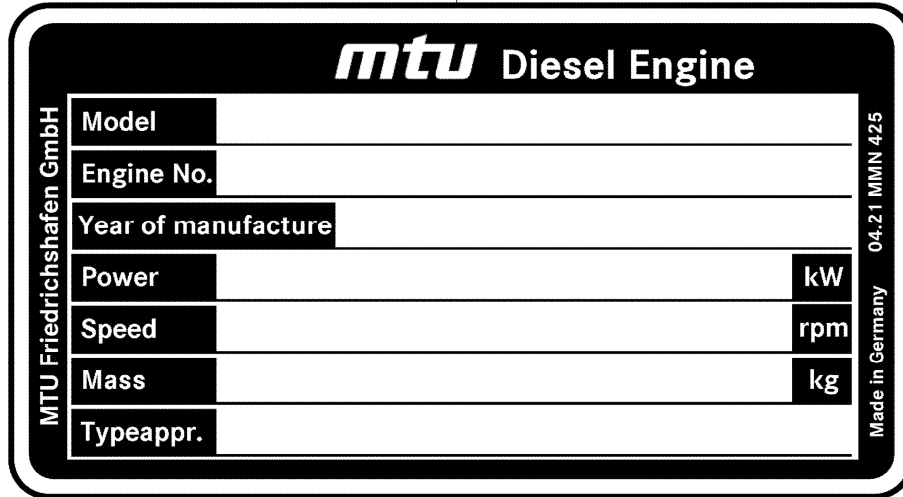
100



00400106a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	FN	MEASUREMENT	STANDARD
100	700425000182	EMI-LABEL NON-EPA	1	pc	EM	66.8	MMN425

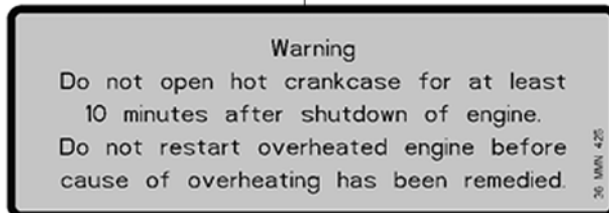
20



00400160

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
20	700425000219	NAMEPLATE FOR DIESEL ENGINE	1	pc	6,700 g	EM	04.21	MMN425

150



00400161

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
150	700425000039	PLATE	4	pc	2,300 g	36	MMN425

100



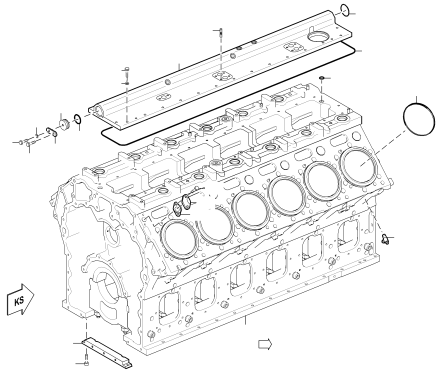
Achtung! Motor nicht ohne Schutzblech starten oder betreiben.
Vor dem Abbau des Schutzbleches muss die
Energieversorgung der Anlasser unterbrochen werden.

Warning! Do not start or run engine without guard plate.
Before demounting guard plate the power supply of the
starters have to be disconnected.

00400146

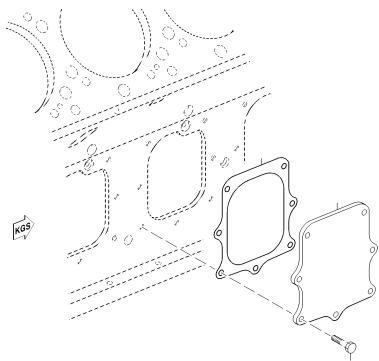
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
100	XD0100400001	PLACARD	2	pc	1,600 g

GROUP SEGMENT (FGS)
GROUP NAME
BOM-No.



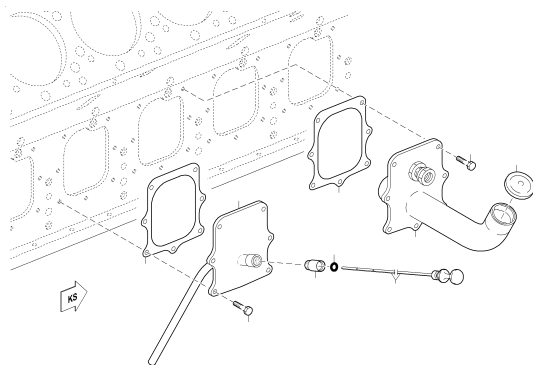
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CRANKCASE FOR 12V
XS594010.00189

01101739



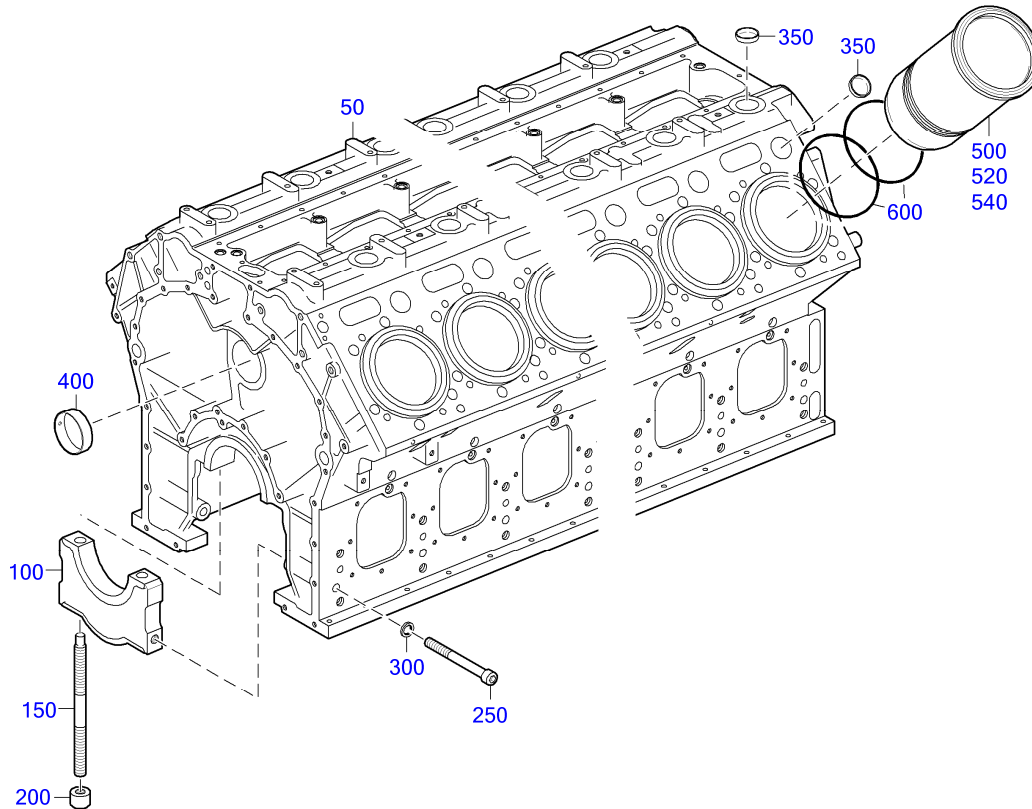
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INSPECT PORT COVER
010.00021

E0113048b1



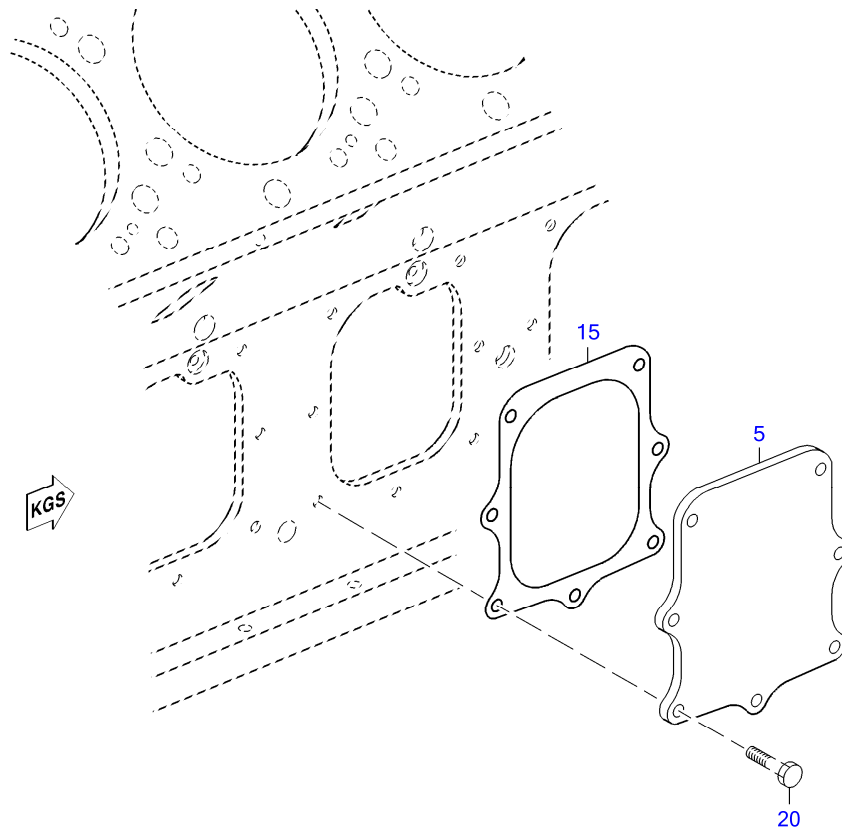
40
INSPECT PORT COVER FOR OIL DIPSTICK
XS526010.00008

01101390



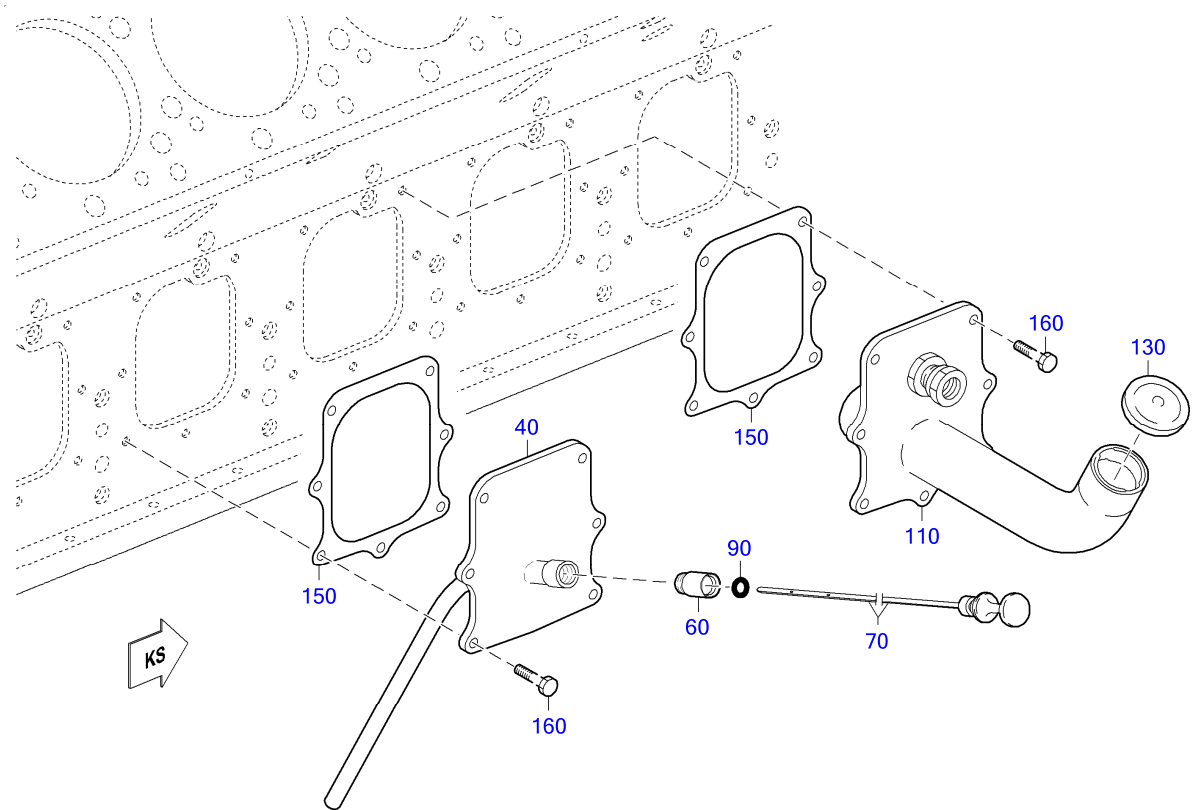
01101669

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
50	X00028697	BLOCK CYLINDER	1	pc		EM		
100	5240110111	CAP MAIN BEARING NARROW STD POSITION	7	pc	12,500 kg			
150	5240110570	STUD	14	pc	1,090 kg			
200	5240110172	NUT	14	pc	122,600 g			
250	000912018008	BOLT HEX SOC HD	14	pc	395,100 g	M 18 X180		DIN912
300	700521018201	WASHER	14	pc	14,800 g	18,2		MMN521
350	5249970020	SEALING CAP	24	pc	62,600 g	D 50		
400	5240510110	BEARING CAMSHAFT STD	7	pc	136,600 g			
500	X00027830	CYLINDER LINER SIZE 0 C23	12	pc	17,750 kg	EM		
520	X59301300038	CYLINDER LINER STAGE 1	1	pc	18,600 kg	EM		
540	X59301300039	CYLINDER LINER STAGE 2	1	pc	18,700 kg	EM		
600	5550110259	SEALING RING	24	pc	24,700 g			



E0113048b1

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
5	5240110732	COVER CYL BLOCK ACCESS PORT	1	pc	2,800 kg		
15	5240111380	GASKET	1	pc	25,000 g		
20	000000003021	HEX SCREW	7	pc	22,800 g	M 10 X 25	ISO4017

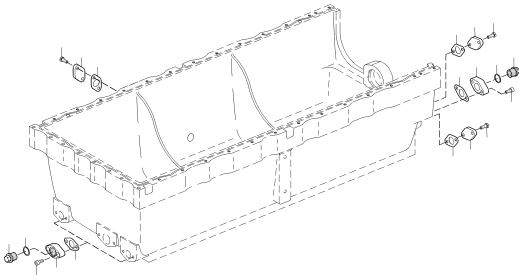


01101390

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
40	5240100266	GUIDE TUBE	BR4000	1	pc	3,415 kg	SB		
60	8800180770	CONNECTOR THREADED		1	pc	100,000 g			
70	5240100772	OIL DIPSTICK		1	pc	210,000 g			
90	700429012002	O-RING		1	pc	2,200 g		12 X 5	MMN429
110	X52601100055	OIL FILLER NECK		1	pc	4,309 kg			
130	0000181802	OIL FILL CAP		1	pc	110,000 g			
150	5240111380	GASKET		2	pc	25,000 g			
160	000000003021	HEX SCREW		14	pc	22,800 g		M 10 X 25	ISO4017

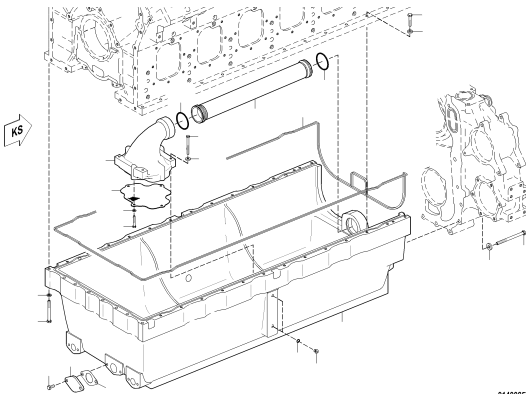
GROUP SEGMENT (FGS)
GROUP NAME
BOM-No.

05
SEAL ELEM. FOR OIL PAN
X00030760

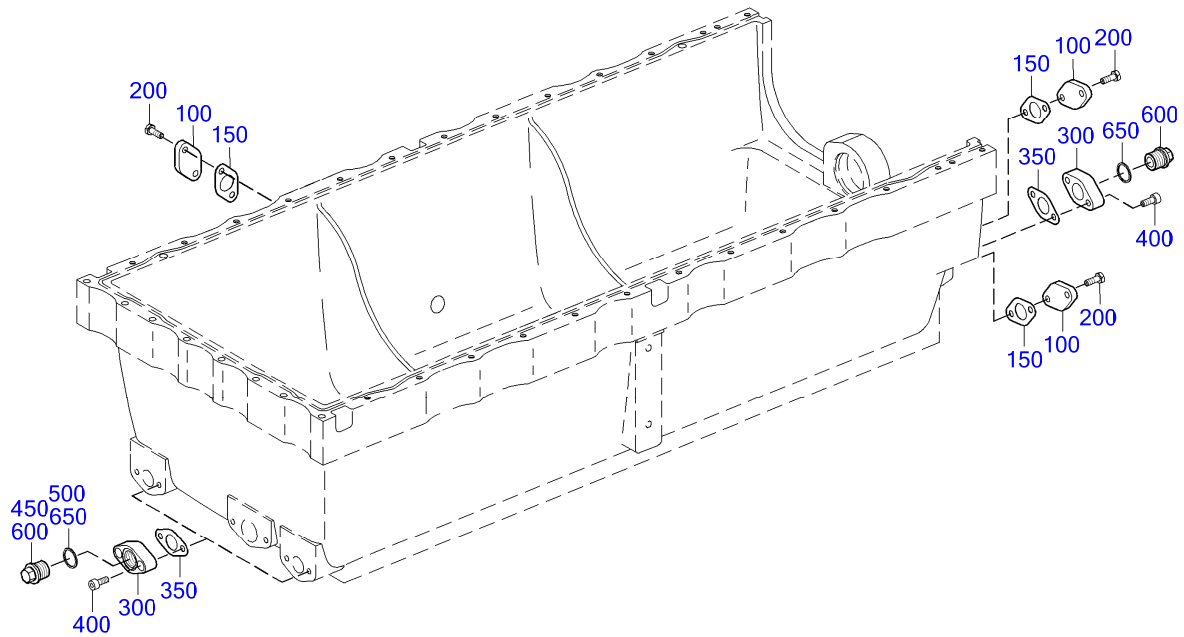


01400860d

10
OIL PAN FOR 12V
X00027259

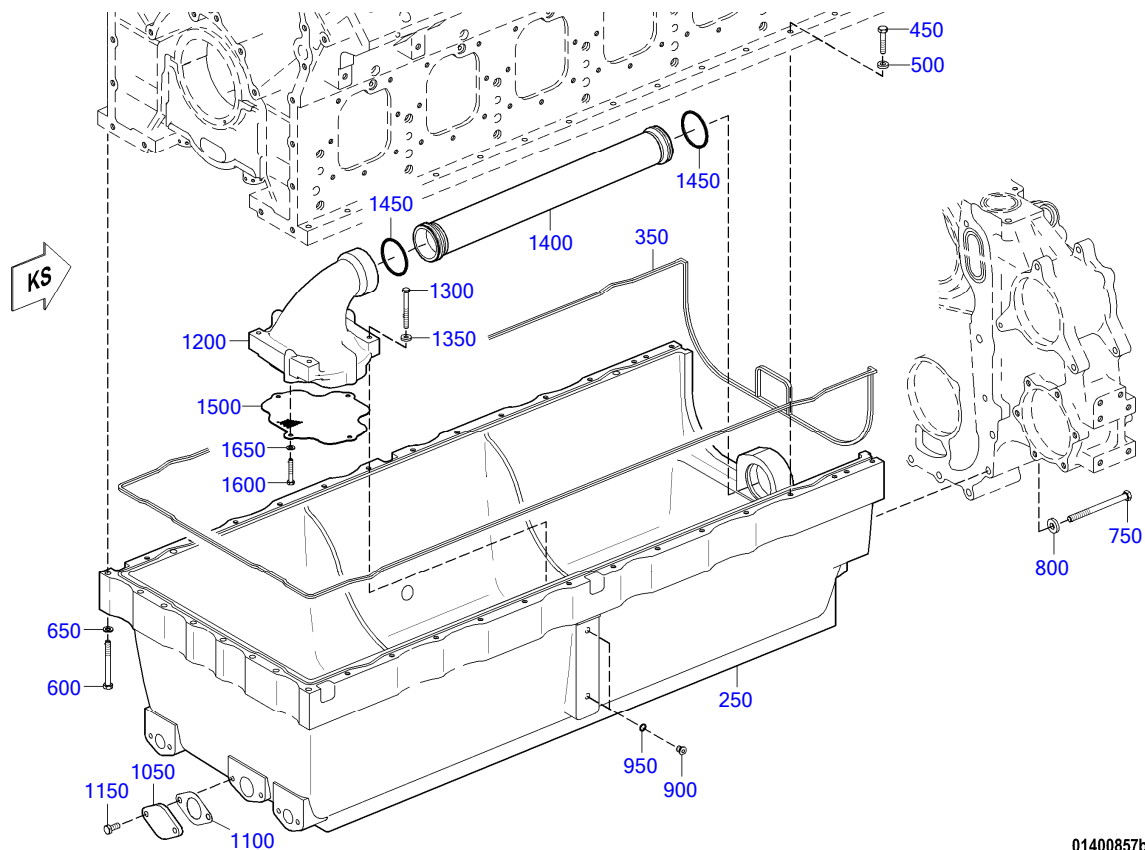


01400857b



01400860d

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
100	X00018638	FLANGE	3	pc	260,000 g		
150	5602030280	GASKET	3	pc	2,600 g		
200	000000001464	BOLT HEX A3C	6	pc	24,900 g	M 10 X 30	ISO4017
300	5500140145	FLANGE	3	pc	395,500 g		
350	5602030280	GASKET	3	pc	2,600 g		
400	000912010065	BOLT HEX SOC HD	6	pc	23,900 g	M 10 X 25	DIN912
450	5379970030	PLUG	1	pc	160,000 g		
500	007603030101	COPPER SEALING RING	1	pc	4,300 g	A 30 X 36	DIN7603
600	5379970030	PLUG	2	pc	160,000 g		
650	007603030101	COPPER SEALING RING	2	pc	4,300 g	A 30 X 36	DIN7603

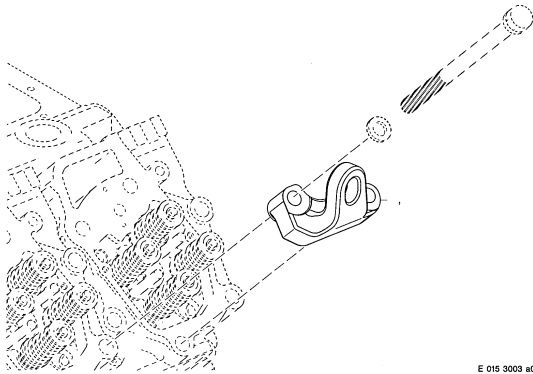


POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
250	5260140102	PAN OIL CAST DUCTILE IRON GENSETS	12V4000G	1	pc	317,000 kg		
350	5269870535	SEAL RUBBER STRIP 3629.0		1	pc	0,415 kg		
450	000933010095	BOLT HEX		28	pc	36,100 g	M 10 X 50	DIN933
500	735151010100	SPACER		28	pc	11,000 g	A 10,5	MTN5151
600	000931010315	BOLT HEX		8	pc	67,800 g	M 10 X100	DIN931
650	000125010524	WASHER		8	pc	3,100 g	A 10,5	DIN125
750	000931012176	BOLT HEX		10	pc	138,500 g	M 12 X150	DIN931
800	007349013002	WASHER		10	pc	24,800 g	13	DIN7349
900	000908012003	THREAD PLUG		2	pc	0,011 kg	M 12 X 1,5	DIN908
950	007603012111	COPPER SEALING RING		2	pc	0,700 g	A 12 X 15,5	DIN7603
1050	5240140033	COVER	BR4000	1	pc	415,000 g		
1100	5240140080	GASKET		1	pc	5,000 g		
1150	000933010035	HEX BOLT		2	pc	23,900 g	M 10 X 25	DIN933
1200	X00020248	ELBOW SUMP OIL PICKUP ASM		1	pc	3,326 kg		
1300	000931008189	BOLT HEX		4	pc	35,600 g	M 8 X 85	DIN931
1350	007349008002	WASHER		4	pc	8,300 g	8,4	DIN7349
1400	X00006300	TUBE ASM C23		1	pc	2,940 kg		
1450	700429070000	O-RING		2	pc	10,300 g	70 X 5	MMN429
1500	X00020254	STRAINER		1	pc	375,000 g		
1600	304017008087	BOLT HEX		4	pc	21,000 g	M 8 X 50	ISO4017
1650	000125008427	WASHER		4	pc	1,500 g	A 8,4	DIN125

GROUP SEGMENT (FGS)

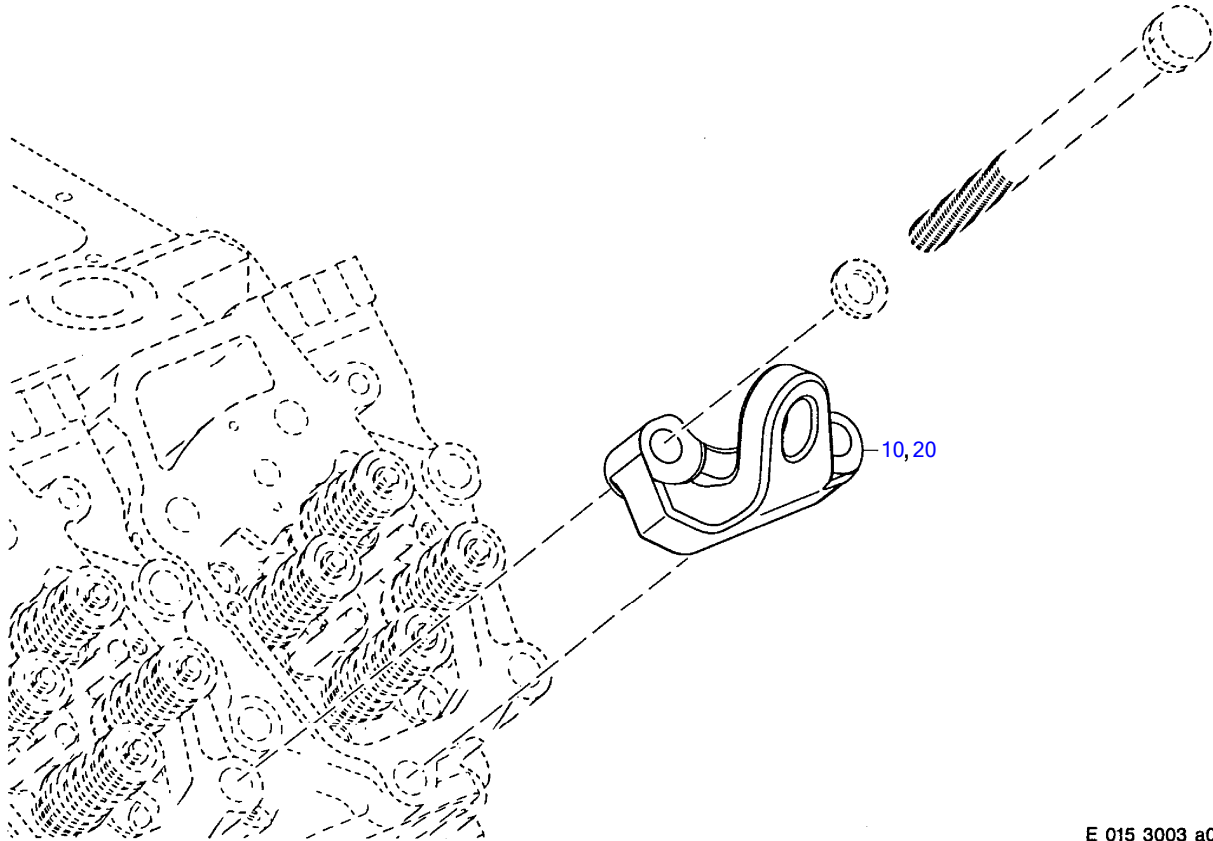
GROUP NAME

BOM-No.



05
ENGINE MOUNTING
010.00131

E 015 3003 a0



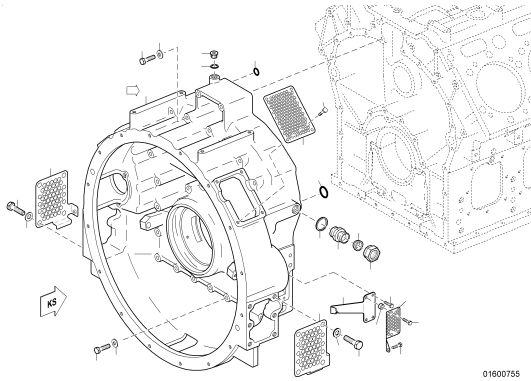
E 015 3003 a0

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
10	X52801500003	LIFTING EYE	2	pc	3,690 kg
20	X52801500003	LIFTING EYE	2	pc	3,690 kg

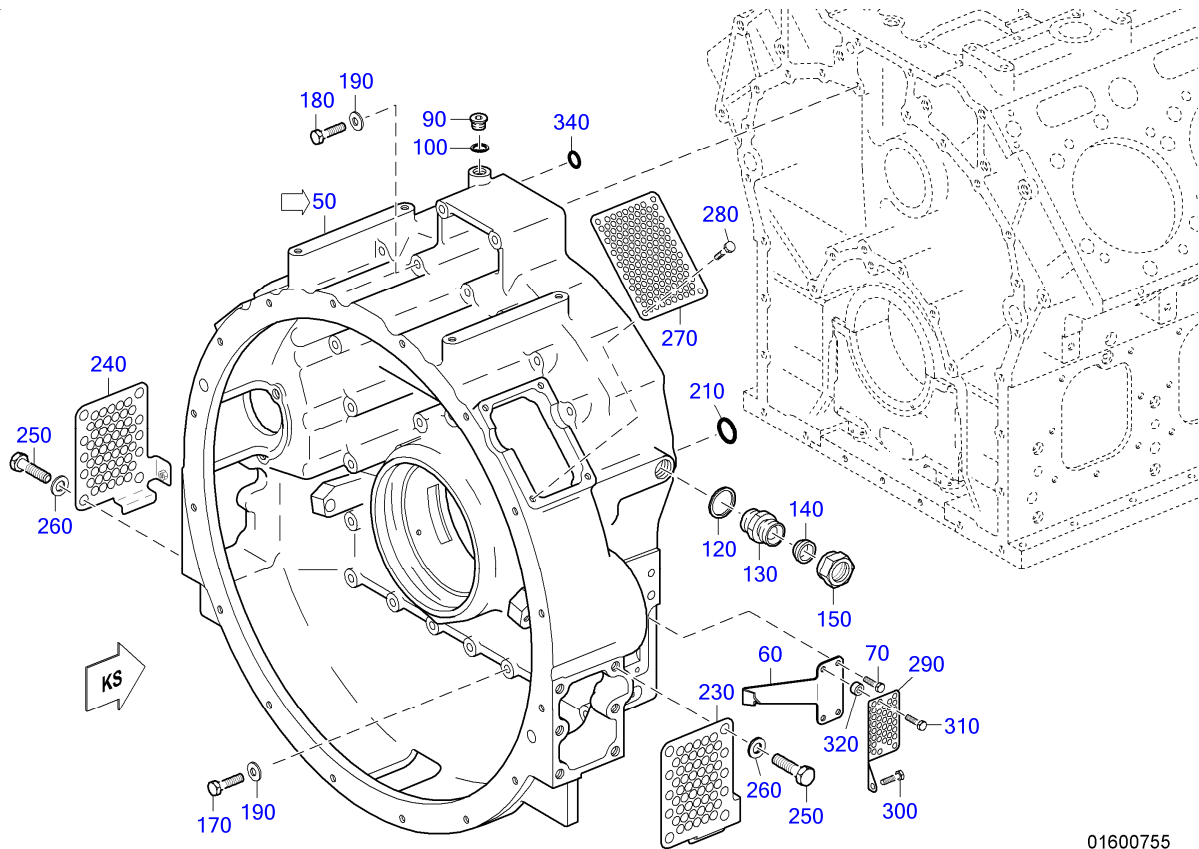
GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

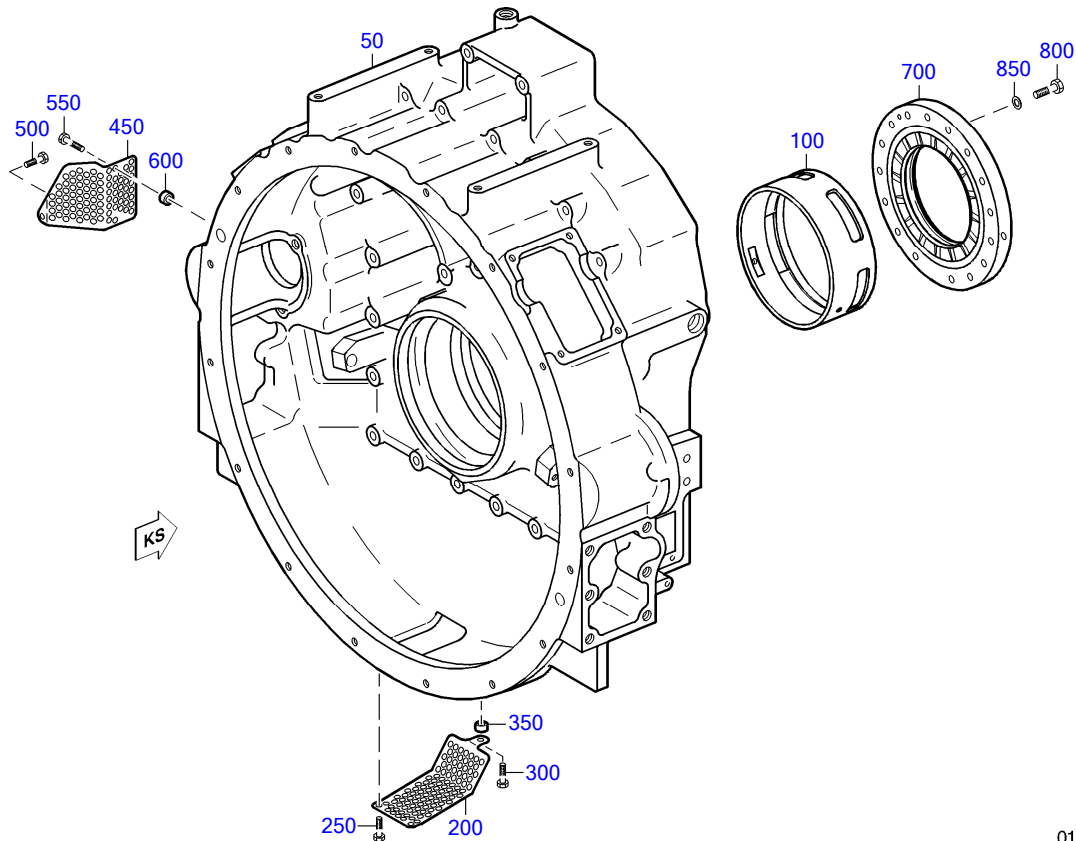


30
FLYWHEEL HOUSING
XS593010.00019



01600755

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
50	X00021778	F/W HSG ASM		1	pc	246,500 kg		
60	X59301600002	DEAD-CENTER INDICATR		1	pc	245,000 g		
70	304017008077	BOLT HEX A3C S2000/4000		2	pc	10,500 g	M 8 X 16	ISO4017
90	000908026005	THREAD PLUG		1	pc	0,069 kg	M 26 X 1,5	DIN908
100	007603026104	COPPER SEALING RING		1	pc	3,100 g	A 26 X 31	DIN7603
120	007603030101	COPPER SEALING RING		2	pc	4,300 g	A 30 X 36	DIN7603
130	915007020001	CONNECTOR 20/16		2	pc	85,000 g	20 / 16 (M30X1,5/M26X1,5)	N15007
140	915005016000	CONE SEALING 18		2	pc	11,500 g	18	MBN15005
150	915001016004	NUT 16 M26X1.5 BL.GEOELT		2	pc	40,900 g	16 M 26 X 1,5	N15001
170	000931012215	BOLT HEX		23	pc	140,300 g	M 12 X150	DIN931
180	000931012106	BOLT HEX		8	pc	182,800 g	M 12 X200	DIN931
190	006796012100	CONICAL SPR. WASHER		31	pc	11,500 g	12	DIN6796
210	700429033001	O-RING		2	pc	5,200 g	33 X 5	MMN429
230	5240100267	PLATE GUARD RIGHT		1	pc	530,000 g		
240	5240100367	PLATE GUARD LEFT		1	pc	510,000 g		
250	000933016003	BOLT HEX		8	pc	68,700 g	M 16 X 25	DIN933
260	000125017014	WASHER		8	pc	10,500 g	A 17	DIN125
270	X00021753	GUARD PLATE		2	pc	181,900 g		
280	304017008077	BOLT HEX A3C S2000/4000		8	pc	10,500 g	M 8 X 16	ISO4017
290	5240140515	SCREEN FLYWHL HSG RT	BR 4000	1	pc	105,000 g		
300	304017008076	HEX BOLT		1	pc	9,100 g	M 8 X 12	ISO4017
310	304017008081	HEX BOLT		2	pc	13,400 g	M 8 X 25	ISO4017
320	5511530050	SPACER BUSHING		2	pc	13,200 g	Ø18/Ø10 × 10	
340	700429020003	O-RING		2	pc	2,100 g	20 X 4	MMN429



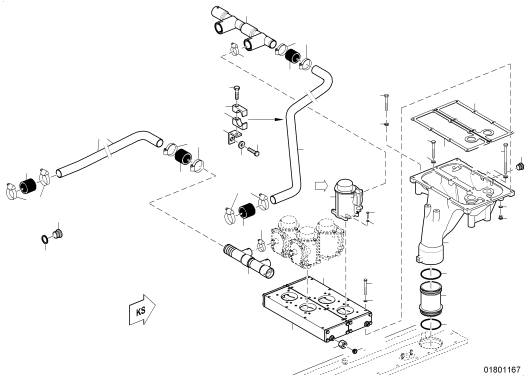
01600178a

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
50	X00021780	FLYWHEEL HOUSING		1	pc	231,000 kg		
100	5240332730	CRANKSHAFT BEARING DRIVING END (KS)		1	pc	2,220 kg		
200	5240100467	SCREEN FLYWHEEL BOTTOM	4000	1	pc	107,100 g		
250	304017008076	HEX BOLT		2	pc	9,100 g	M 8 X 12	ISO4017
300	304017008081	HEX BOLT		1	pc	13,400 g	M 8 X 25	ISO4017
350	5511530050	SPACER BUSHING		1	pc	13,200 g	Ø18/Ø10 × 10	
450	5240140615	SCREEN FLYWHL HSG LT	BR 4000	1	pc	105,000 g		
500	304017008076	HEX BOLT		1	pc	9,100 g	M 8 X 12	ISO4017
550	304017008081	HEX BOLT		2	pc	13,400 g	M 8 X 25	ISO4017
600	5511530050	SPACER BUSHING		2	pc	13,200 g	Ø18/Ø10 × 10	
700	X59303100024	THRUST WASHER		1	pc	8,919 kg		
800	000931010105	BOLT HEX		16	pc	43,900 g	M 10 X 60	DIN931
850	200433010500	WASHER		16	pc	1,900 g	10,5	DIN433

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.



05
CRANKCASE BREATHER FOR 12V
XS594010.00117

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
100	X52701800063	VENT HOUSING		1	pc	24,600 kg	EM		
150	X00004148	SUPPORT F OIL SEPARATOR		1	pc	6,300 kg			
200	X00004148	SUPPORT F OIL SEPARATOR		1	pc	6,300 kg			
300	00000004389	HEX SCREW		16	pc	30,000 g		M 8 X 75	ISO4017
350	000125008427	WASHER		16	pc	1,500 g		A 8,4	DIN125
400	X00004135	GASKET		2	pc	36,300 g			
650	0000187135	OIL SEPARATOR		4	pc	1,126 kg	P		
700	304017006063	BOLT HEX A3C		16	pc	6,800 g		M 6 X 25	ISO4017
750	000125006431	WASHER		16	pc	0,800 g		A 6,4	DIN125
800	X59401800079	MANIFOLD		2	pc	0,147 kg			
850	00000000668	CLAMP		4	pc	26,000 g		25- 40X12-SW7-W3	MBN10223
1100	00000000906	BOLT HEX A3C		1	pc	49,400 g		M 10 X 80	ISO4017
1150	204017010026	HEX SCREW		1	pc	51,700 g		M 10 X 85	ISO4017
1200	000000003323	HEX SCREW		2	pc	95,400 g		M 10 X150	ISO4014
1250	000125010524	WASHER		3	pc	3,100 g		A 10,5	DIN125
1350	000908014001	THREAD PLUG		3	pc	0,016 kg		M 14 X 1,5	DIN908
1400	007603014102	COPPER SEALING RING		3	pc	1,000 g		A 14 X 18	DIN7603
1450	735210014000	THREAD PLUG		1	pc	0,019 kg		M 14 X 1,5	MTN5210
1550	X00003083	TUBE PLUG-IN-03		1	pc	1,200 kg			EN10220
1600	700429085002	O-RING		2	pc	17,500 g		85 X 6	MMN429
1750	915001008003	NUT		2	pc	14,300 g		8 M 16 X 1,5	N15001
1800	915005008001	CONE SEALING 10		2	pc	4,500 g		10	MBN15005
1900	X52601800020	TUBE ASM OIL LINE 143.322		1	pc	70,000 g	SB		
2000	X52601800019	TUBE ASM OIL LINE 1021.065		1	pc	0,289 kg	SB		
2100	5551870640	BRACKET L H:51 S2000/4000		1	pc	54,900 g	SB		
2150	700325015100	CLAMP HALF TUBE 1/1 D9-15		2	pc	35,000 g		1/1 D 9 - 15	MMN325
2200	700327010000	GROMMET		1	pc	2,800 g		10	MMN327
2250	304017008083	BOLT HEX A3C		1	pc	15,100 g		M 8 X 30	ISO4017
2350	700325015100	CLAMP HALF TUBE 1/1 D9-15		2	pc	35,000 g		1/1 D 9 - 15	MMN325
2400	700327010000	GROMMET		1	pc	2,800 g		10	MMN327
2450	304017008084	BOLT HEX A3C		1	pc	16,400 g		M 8 X 35	ISO4017
2550	5315461043	BRACKET L H:52	8V2000M90	1	pc	81,100 g			
2600	304017008079	BOLT HEX		1	pc	11,700 g		M 8 X 20	ISO4017
2650	007349008002	WASHER		1	pc	8,300 g		8,4	DIN7349
2700	700325015100	CLAMP HALF TUBE 1/1 D9-15		2	pc	35,000 g		1/1 D 9 - 15	MMN325
2750	700327010000	GROMMET		1	pc	2,800 g		10	MMN327
2800	304017008083	BOLT HEX A3C		1	pc	15,100 g		M 8 X 30	ISO4017
2850	X00026673	TUBE ASM OIL GEAR CASE HSG 790.780		1	pc	225,000 g	SB		
2950	5315461043	BRACKET L H:52	8V2000M90	2	pc	81,100 g			
3000	700325015100	CLAMP HALF TUBE 1/1 D9-15		4	pc	35,000 g		1/1 D 9 - 15	MMN325
3050	700327010000	GROMMET		2	pc	2,800 g		10	MMN327
3100	304017008083	BOLT HEX A3C		2	pc	15,100 g		M 8 X 30	ISO4017
3150	000000003381	BOLT HEX A3C		1	pc	40,300 g		M 12 X 35	ISO4017
3250	204014010001	HEX SCREW		1	pc	39,700 g		M 10 X 55	ISO4014
3300	735151010100	SPACER		1	pc	11,000 g		A 10,5	MTN5151
3400	915007016000	CONNECTOR 16/10		1	pc	63,000 g		16 / 10 (M26X1,5/M18X1,5)	N15007
3450	007603026104	COPPER SEALING RING		1	pc	3,100 g		A 26 X 31	DIN7603
3550	X59401800081	VENT LINE F.CRANKC.VENT.LEFT		1	pc	483,900 g	EM		
3600	X59401800084	VENT LINE F.CRANKC.VENT.RIGHT		1	pc	762,900 g	EM		
3650	X59499100561/88	RUBBER SLEEVE		4	pc	50,900 g		25 X 80	
3655	00000000667	CLAMP		8	pc	24,000 g		20- 32X12-SW7-W3	MBN10223
3750	000908020000	PLUG		2	pc	0,037 kg		M 20 X 1,5	DIN908
3800	007603020103	WASHER A COP		2	pc	2,400 g		A 20 X 26	DIN7603
3900	5801533240	BRACKET		1	pc	45,800 g			

EQUI TYPE: Engine

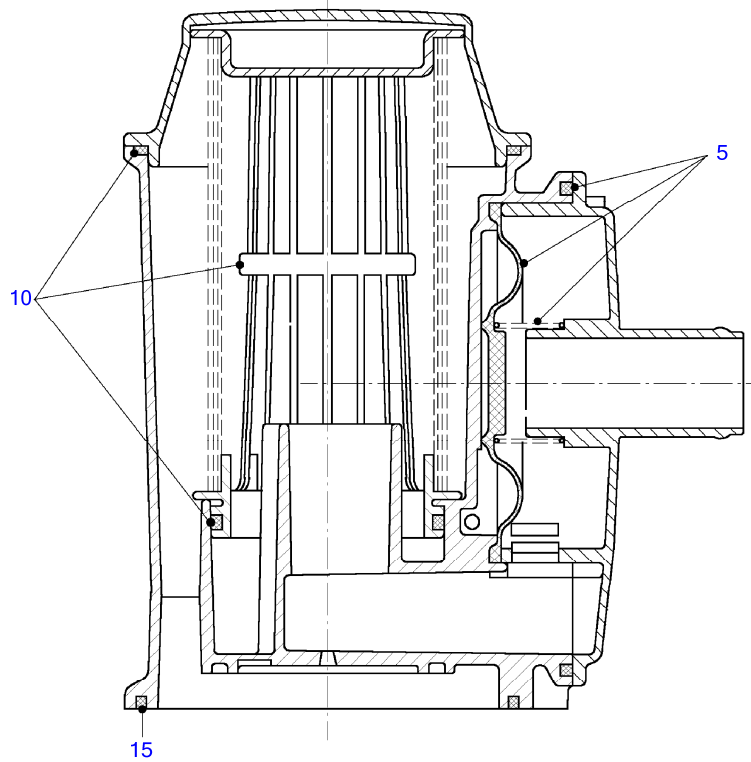
PRODUCT TYPE: 12V4000G23R
CRANKCASE BREATHER FOR 12V

SERIAL NUMBER: 526108120

FG/FGS: 018 05

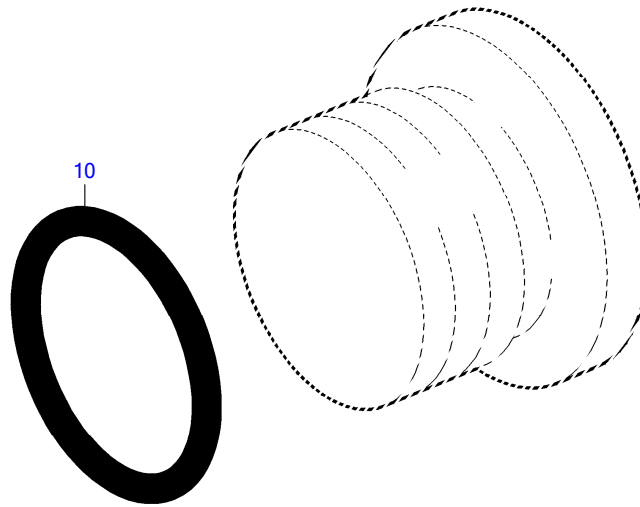
BOM-No.: XS594010.00117

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
3950	007349008000	WASHER		1	pc	7,700 g		8,4	DIN7349
4000	304017008084	BOLT HEX A3C		1	pc	16,400 g		M 8 X 35	ISO4017
4050	X00005790	PIPE HALF-CLAMP		2	pc	64,600 g			
4100	304017008086	BOLT HEX A3C		1	pc	19,400 g		M 8 X 45	ISO4017



01800024a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT
5	5410180233	DIAPHRAGM	1	pc	17,800 g	UB	
10	5200180035	OIL SEPARATOR	1	pc	112,700 g		FILTEREINSATZ ÖLABSCHEIDER
15	0000180680	GASKET	1	pc	3,500 g		



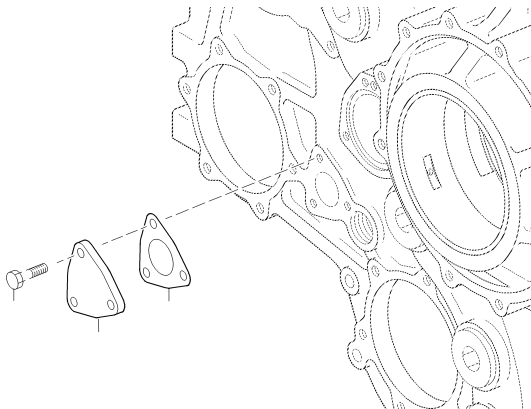
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POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	735221011000	O-RING	1	pc	0,300 g	11,3 X 2,2 - M14X1,5	MTN5221

GROUP SEGMENT (FGS)

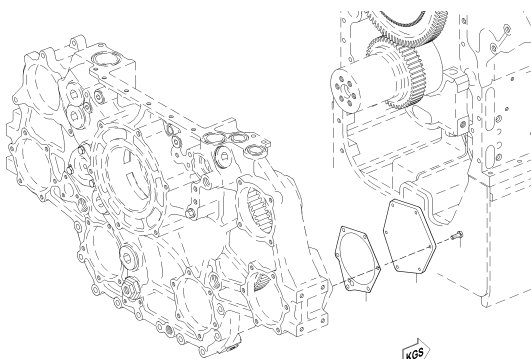
GROUP NAME

BOM-No.



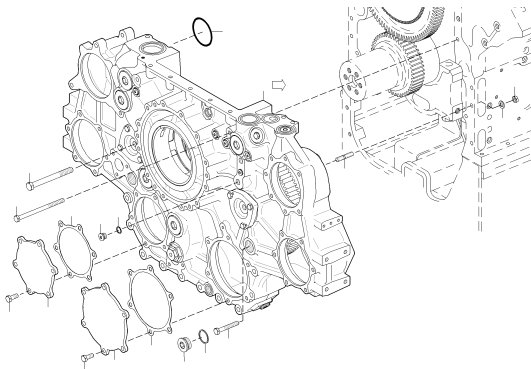
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SEAL ELEM. FOR OIL PRIMING
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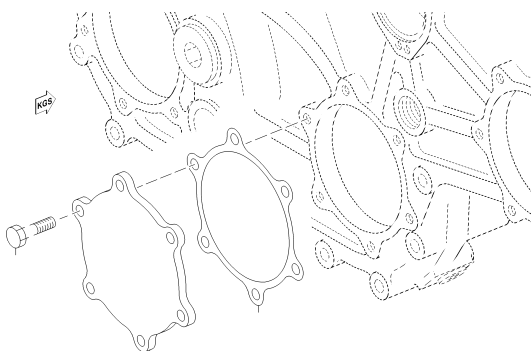
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COVER FOR DDC COMPRESSOR
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02400112a



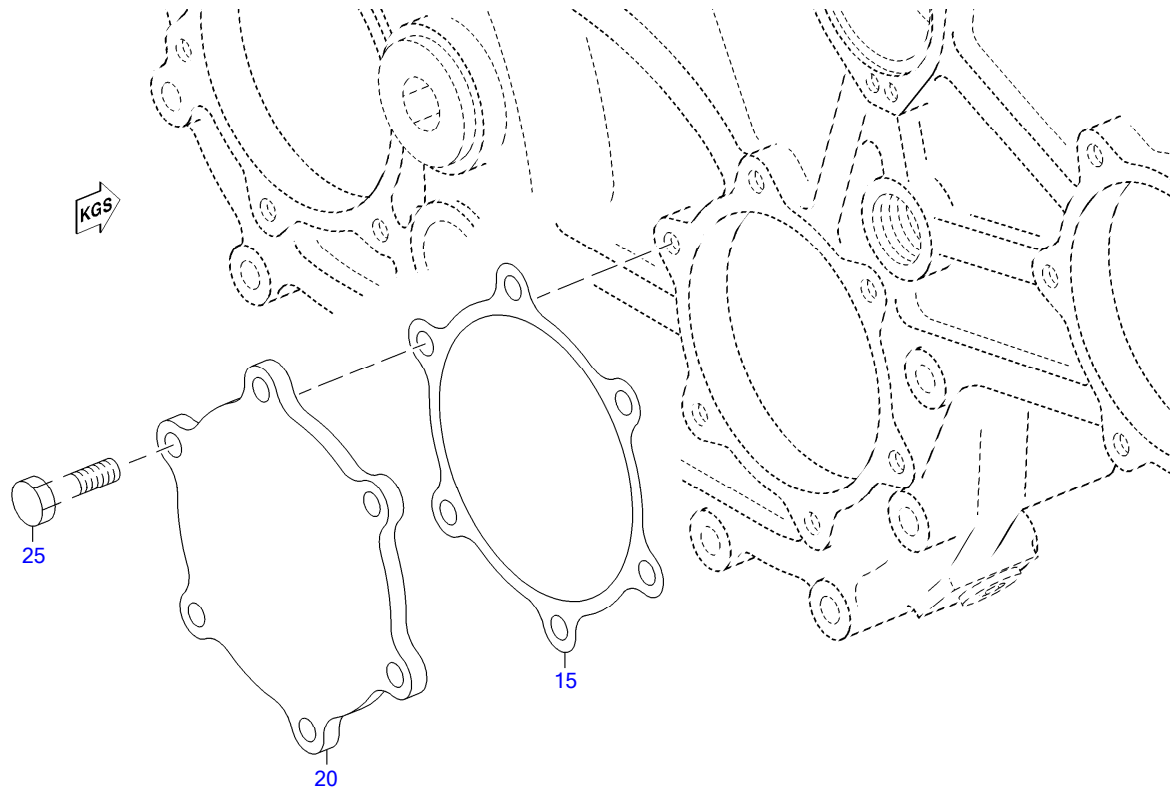
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GEAR CASE
XS594020.00008

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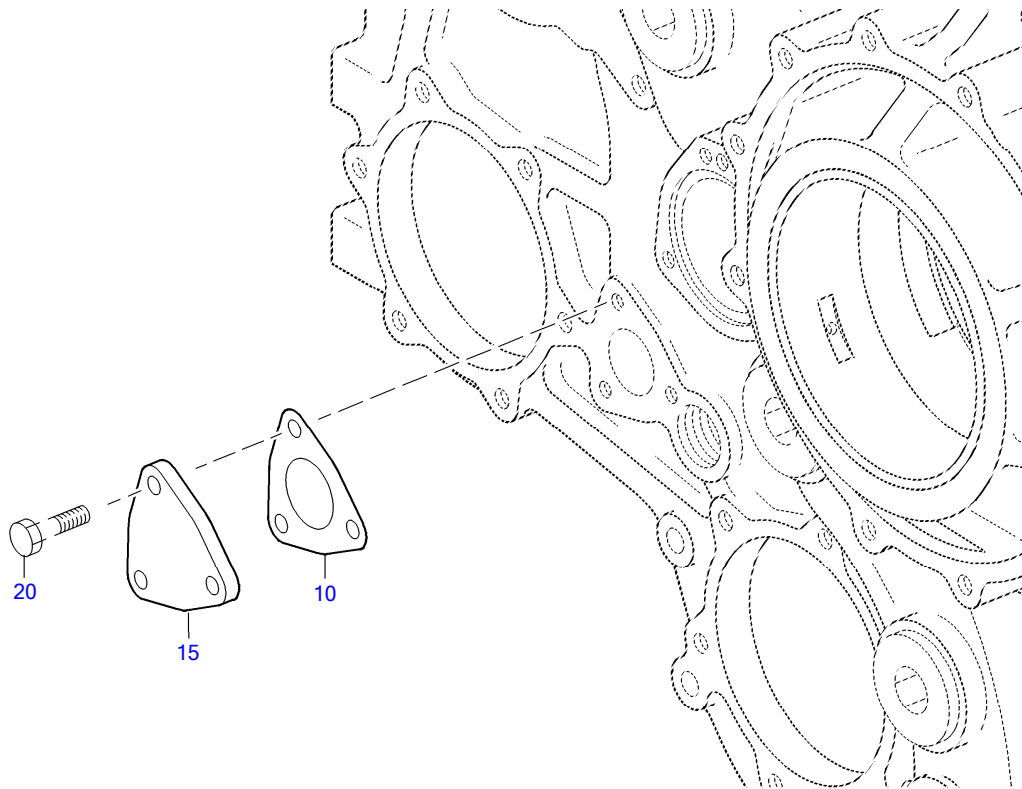
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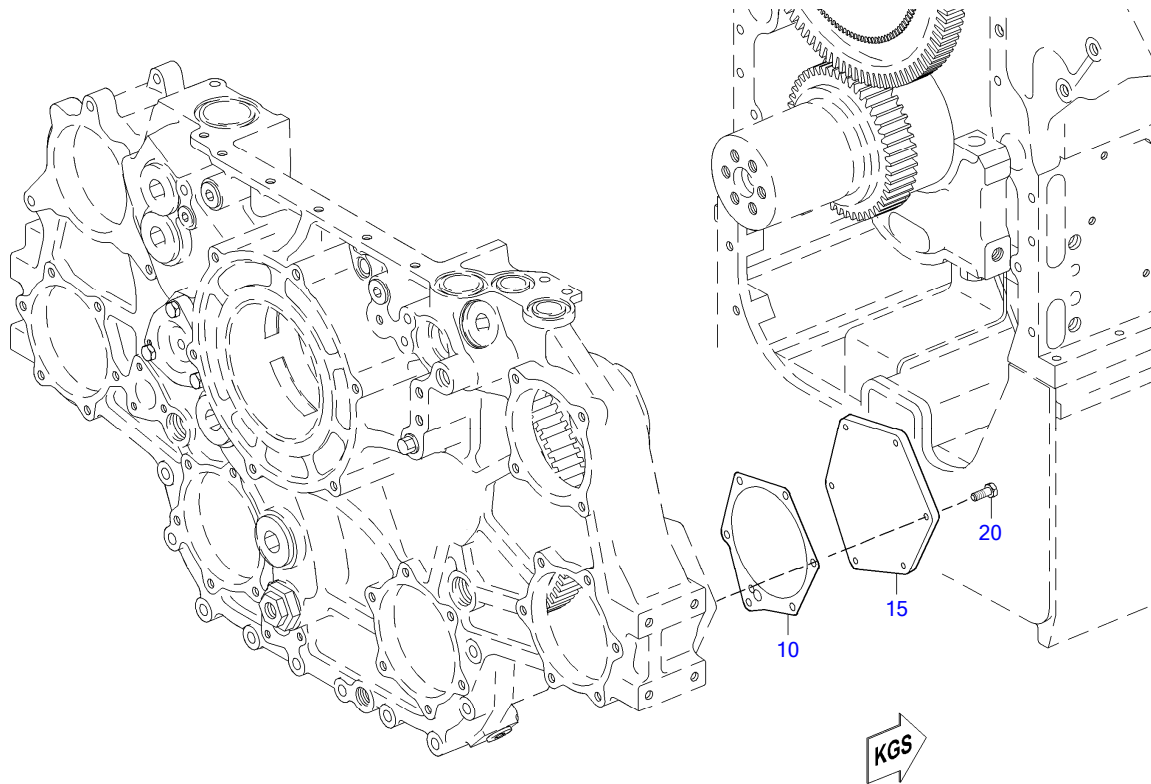
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POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
15	5241880080	GASKET	1	pc	10,600 g	1X250X250	
20	5241880102	COVER	1	pc	1,900 kg		
25	00000003925	BOLT	6	pc	36,900 g	M 12 X 30	ISO4017



02400030a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	5241880180	GASKET	2	pc	6,200 g	1X120X120	
15	5241880202	COVER	2	pc	335,000 g		
20	000000003021	HEX SCREW	6	pc	22,800 g	M 10 X 25	ISO4017



02400112a

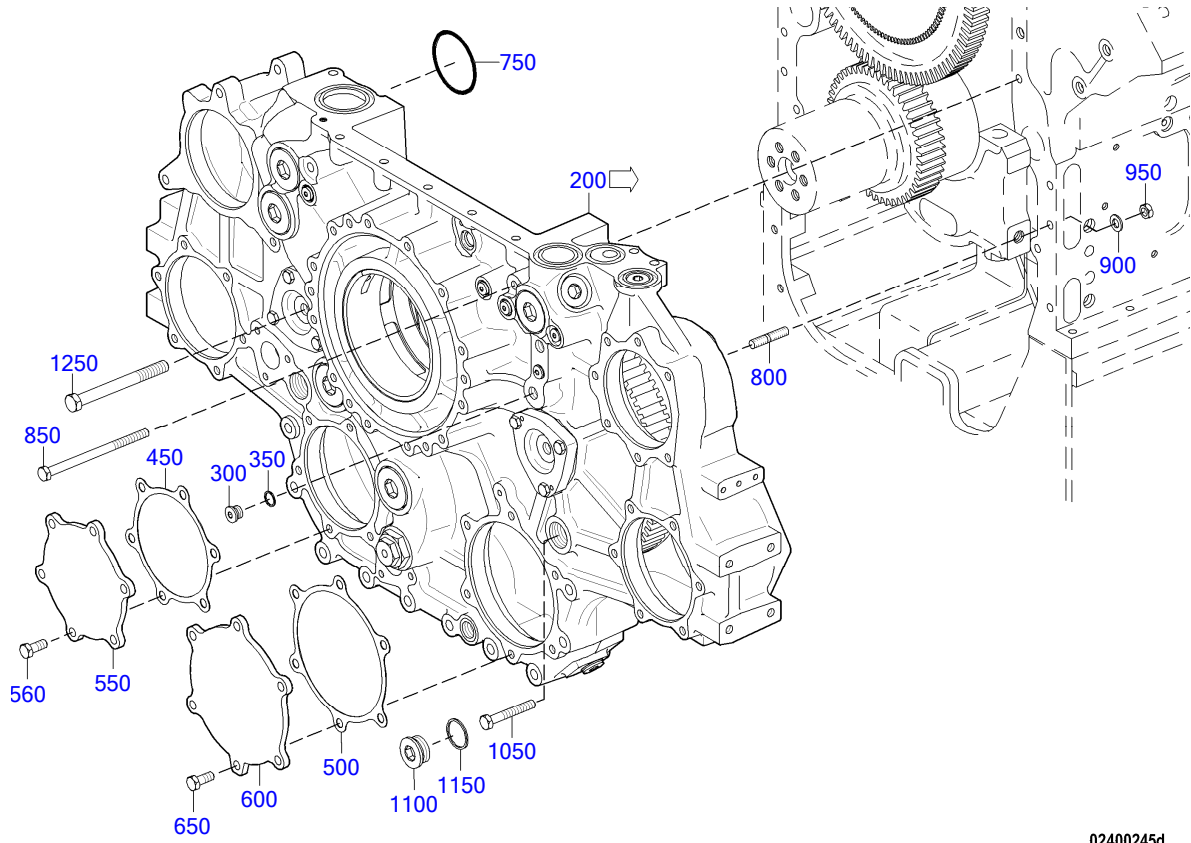
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10	5360520080	GASKET	1	pc	6,000 g		
15	5241880502	COVER	1	pc	2,600 kg		
20	00000003021	HEX SCREW	6	pc	22,800 g	M 10 X 25	ISO4017

EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
GEAR CASE

SERIAL NUMBER: 526108120

FG/FGS: 024 05
BOM-No.: XS594020.00008



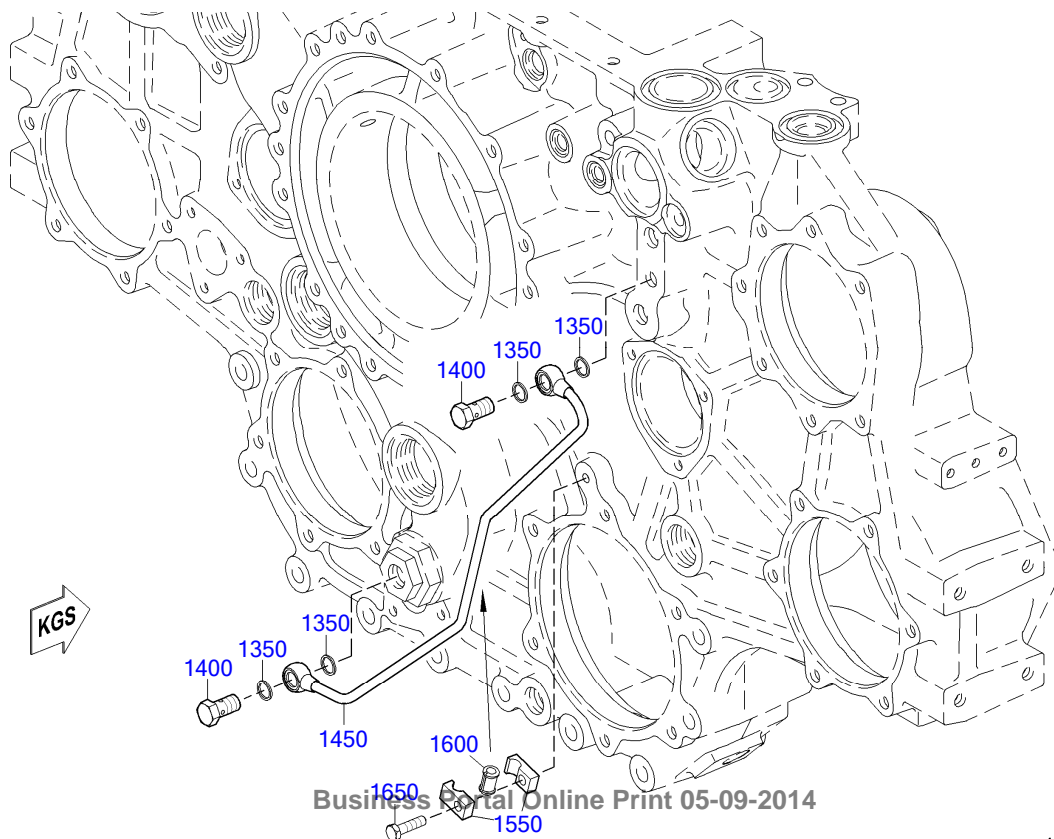
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EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
GEAR CASE

SERIAL NUMBER: 526108120

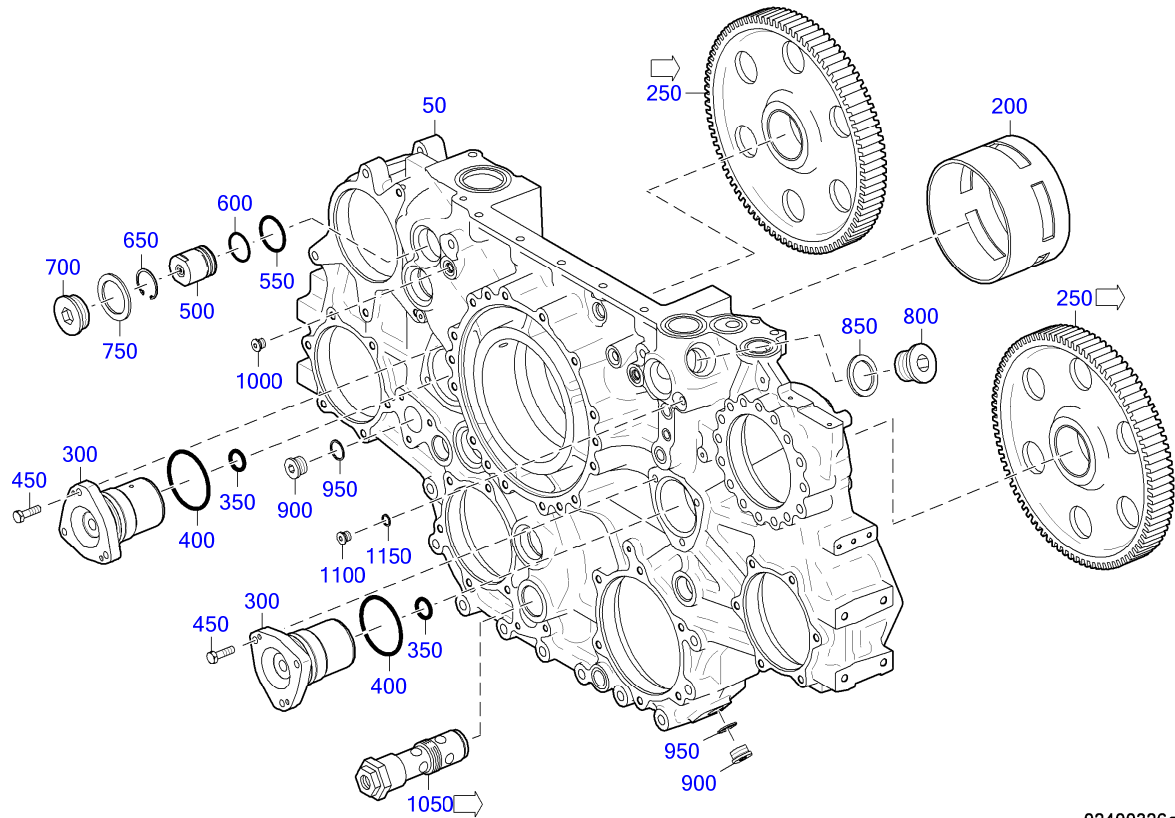
FG/FGS: 024 05
BOM-No.: XS594020.00008



Business Portal Online Print 05-09-2014

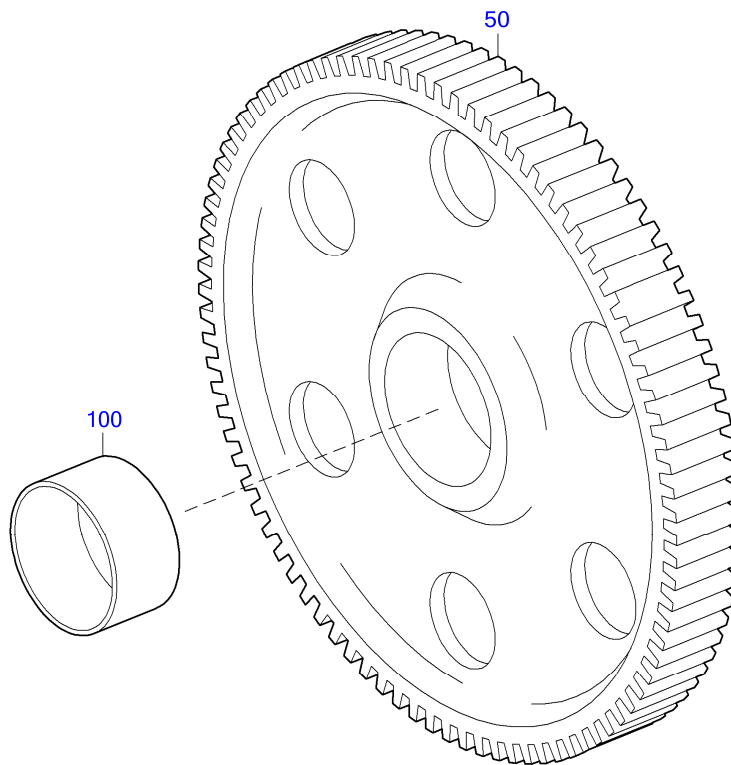
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POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
200	X59302400016	EQUIPMENT RACK		1	pc	260,000 kg			
300	000908018002	PLUG		1	pc	0,029 kg		M 18 X 1,5	DIN908
350	007603018101	COPPER SEALING RING		1	pc	1,300 g		A 18 X 22	DIN7603
450	5241880080	GASKET		1	pc	10,600 g		1X250X250	
500	5281880080	GASKET		1	pc	11,100 g			
550	5241880102	COVER		1	pc	1,900 kg			
560	000000003925	BOLT		6	pc	36,900 g		M 12 X 30	ISO4017
600	5281880102	COVER	20V4000	1	pc	2,700 kg			
650	000000003925	BOLT		6	pc	36,900 g		M 12 X 30	ISO4017
750	700429083000	O-RING		2	pc	11,700 g		83 X 5	MMN429
800	200939012003	STUD		6	pc	32,000 g		M 12 X 30	DIN939
850	204014012008	HEX SCREW		2	pc	155,000 g		M 12 X170	ISO4014
900	200433013000	WASHER		6	pc	2,500 g		13	DIN433
950	204032012000	NUT HEX ZNPH R5F		6	pc	14,900 g		M 12	ISO4032
1050	000000000904	BOLT HEX ZHPH R5F		2	pc	75,000 g		M 12 X 80	ISO4017
1100	000908038000	THREAD PLUG		2	pc	0,150 kg		M 38 X 1,5	DIN908
1150	007603038101	COPPER SEALING RING		2	pc	5,400 g		A 38 X 44	DIN7603
1250	204017016000	BOLT ZNPH R5F HEX		2	pc	246,200 g		M 16 X160	ISO4017
1350	007603014102	COPPER SEALING RING		4	pc	1,000 g		A 14 X 18	DIN7603
1400	700223006000	BOLT BANJO A8 S2000/4000		2	pc	38,800 g		A 8	MMN223
1450	5281800519	TUBE ASM OIL LINE	20V4000	1	pc	200,000 g	SB		
1550	700325012100	CLAMP HALF TUBE 1/1 D9-12		2	pc	25,100 g		1/1 D 9 - 12	MMN325
1600	700327008000	GROMMET		1	pc	1,700 g		8	MMN327
1650	304017008083	BOLT HEX A3C		1	pc	15,100 g		M 8 X 30	ISO4017



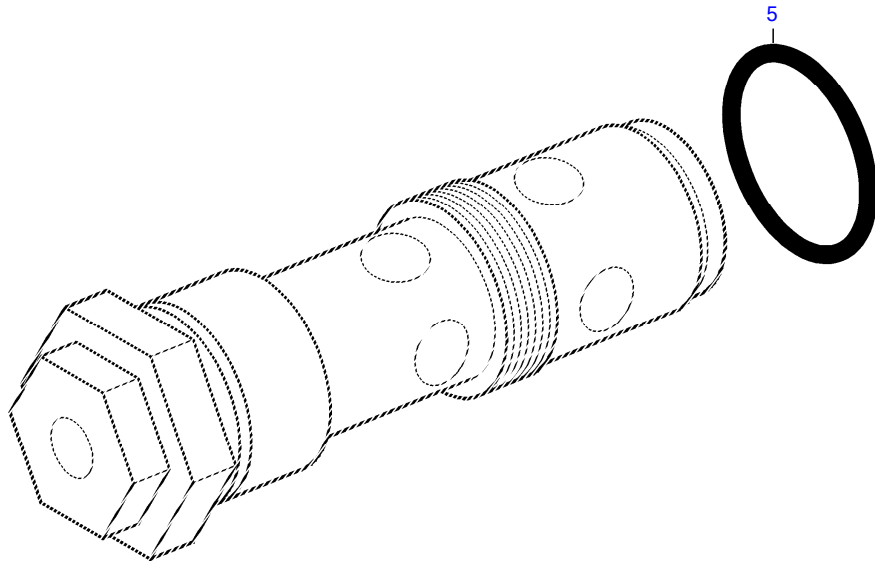
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POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
50	X59302400011	EQUIPMENT RACK	1	pc	208,700 kg		
200	5240332630	CRANKSHAFT BEARING AUX PTO END	1	pc	2,500 kg		
250	X59305200001	IDLER GEAR	2	pc	19,300 kg		
300	X59302400005	AXLE	2	pc	4,694 kg		
350	700429024000	O-RING	2	pc	3,900 g	24 X 5	MMN429
400	700429083000	O-RING	2	pc	11,700 g	83 X 5	MMN429
450	304017010035	HEX BOLT	6	pc	32,100 g	M 10 X 45	ISO4017
500	5241800015	PRESSURE VALVE ASSY.	2	pc	390,000 g	2.5 BAR	
550	700429048000	O-RING	2	pc	4,400 g	48 X 4	MMN429
600	700429040000	O-RING	2	pc	2,000 g	40 X 3	MMN429
650	000472048000	RING SNAP	2	pc	6,500 g	48 X 1,75	DIN472
700	000908052003	THREAD PLUG	5	pc	0,298 kg	M 52 X 1,5	DIN908
750	007603052101	COPPER SEALING RING	5	pc	12,500 g	A 52 X 60	DIN7603
800	000908038000	THREAD PLUG	2	pc	0,150 kg	M 38 X 1,5	DIN908
850	007603038101	COPPER SEALING RING	2	pc	5,400 g	A 38 X 44	DIN7603
900	000908026005	THREAD PLUG	4	pc	0,069 kg	M 26 X 1,5	DIN908
950	007603026104	COPPER SEALING RING	4	pc	3,100 g	A 26 X 31	DIN7603
1000	735210014000	THREAD PLUG	3	pc	0,019 kg	M 14 X 1,5	MTN5210
1050	0001800015	PRESSURE REDUCING VALVE ASSY.	1	pc	1,400 kg		
1100	000908014001	THREAD PLUG	1	pc	0,016 kg	M 14 X 1,5	DIN908
1150	007603014102	COPPER SEALING RING	1	pc	1,000 g	A 14 X 18	DIN7603



02400351b

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
50	X59305200003	IDLER GEAR	1	pc	19,040 kg
100	X59305200002	BUSHING	1	pc	304,200 g



024K0009a

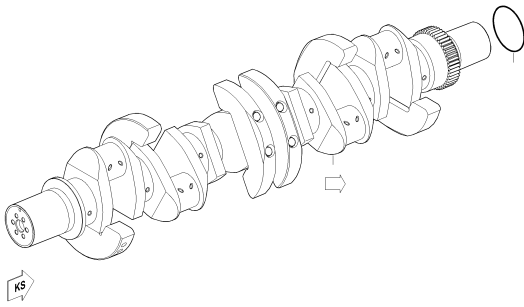
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
5	700429037000	O-RING	1	pc	2,800 g	37,7 X 3,53	MMN429

GROUP SEGMENT (FGS)

GROUP NAME

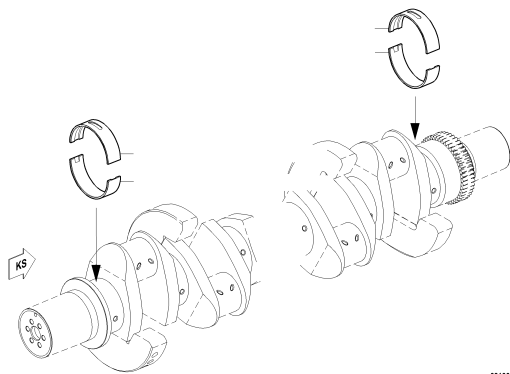
BOM-No.

05
CRANKSHAFT
030.00461

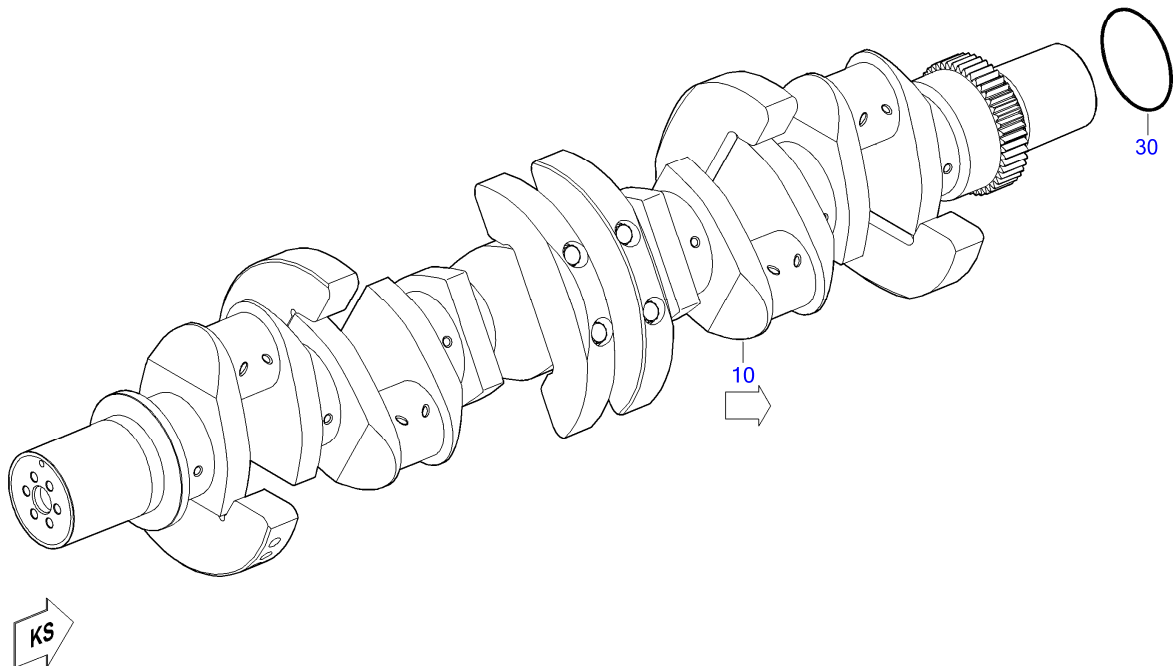


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10
MAIN BEARING
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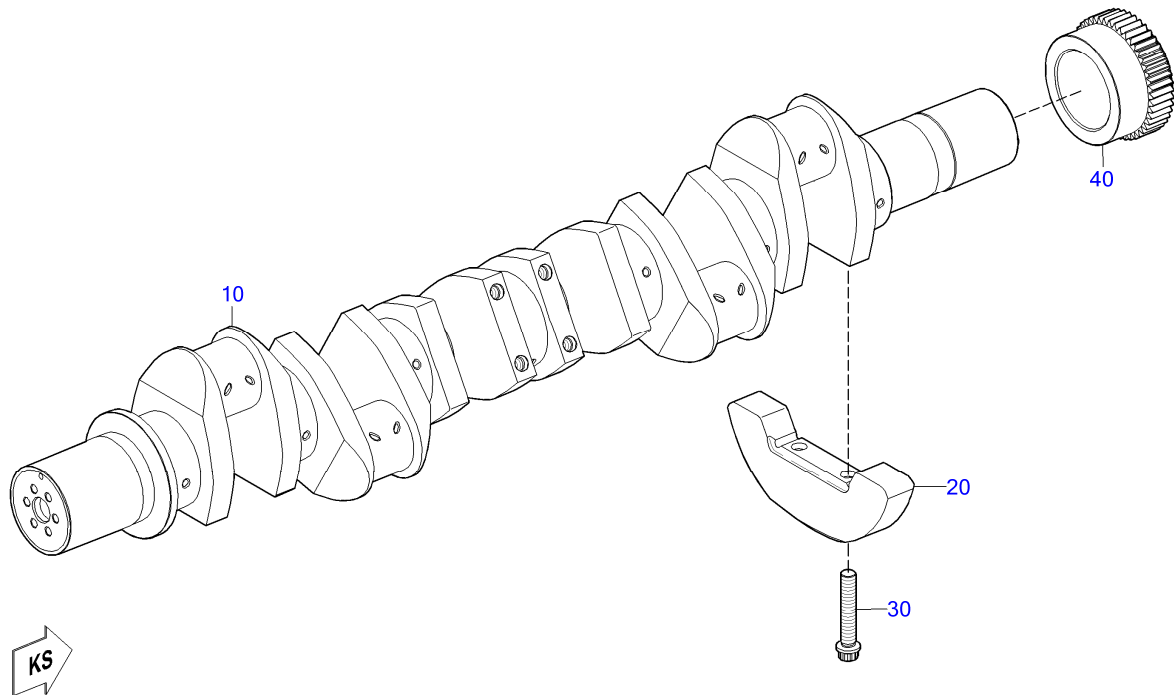


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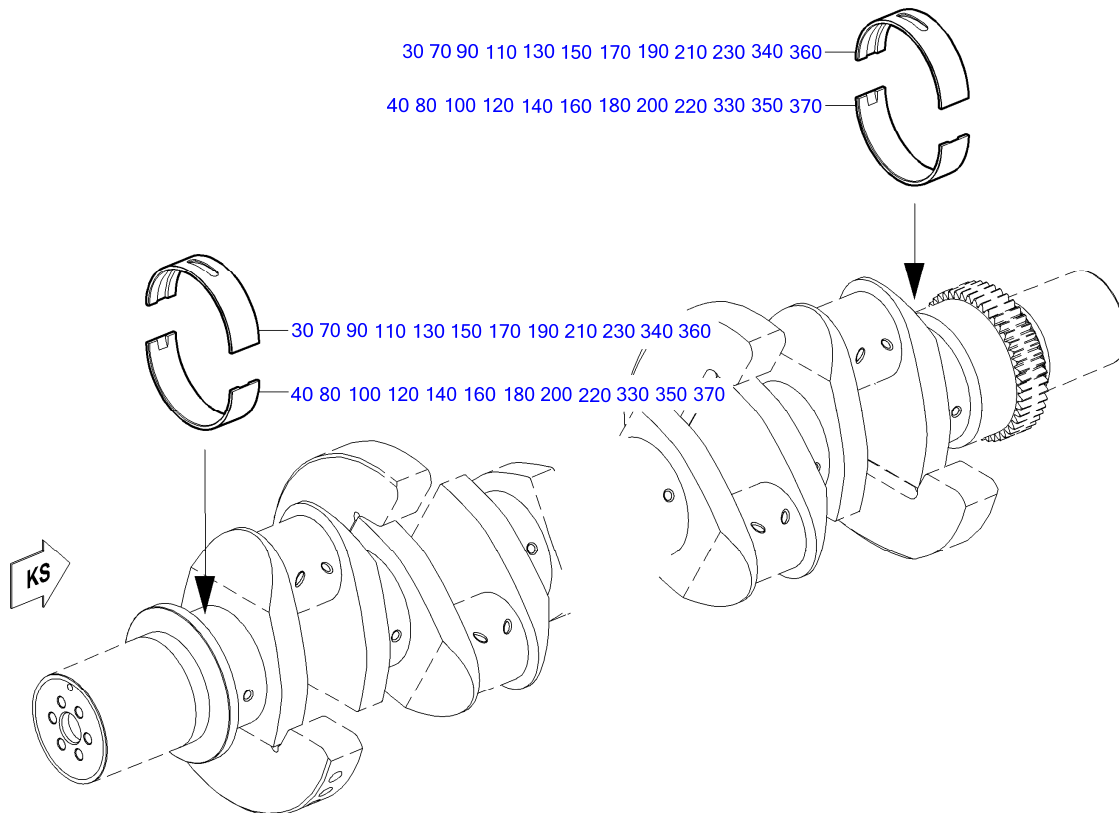
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POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
10	X59403100001	CR/SHFT ASM	12V4000-03 LH	1	pc	453,000 kg	EM		
30	700429150000	O-RING		1	pc	12,900 g		150 X 4	MMN429



03100338c

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	STANDARD
10	X52603100002	CRANKSHAFT	12V4000-03 LH	1	pc	324,000 kg	EM	
20	X52803100003	COUNTERWEIGHT	12V U. 20V M/G/C&I	6	pc	15,300 kg		
30	5240310171	BOLT 12 PT HD		12	pc	548,600 g		
40	5240520503	GEAR CRANKSHAFT		1	pc	12,090 kg	EM	MMN396.2



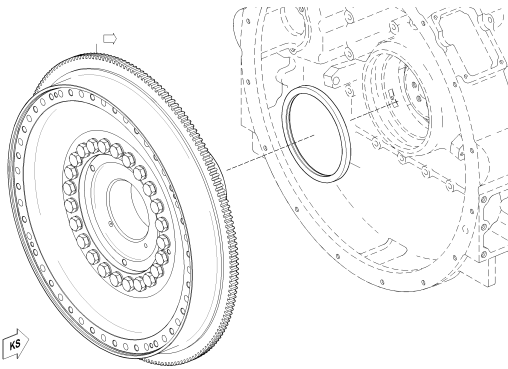
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POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN
30	X00016024	CRANKSHAFT BEARING SIZE 0-0	OBERE HAELFTE	7	pc	394,000 g	
40	5240336602	CRANKSHAFT BEARING LOWER HALF		7	pc	510,000 g	
70	X52403100003	CRANKSHAFT BEARING SIZE 0-1	OBERE HAELFTE	1	pc	390,000 g	M
80	5240336702	CRANKSHAFT BEARING SIZE 0-1		1	pc	600,000 g	M
90	X52403100004	CRANKSHAFT BEARING SIZE 0-2	OBERE HAELFTE	1	pc	0,388 kg	M
100	5240336802	CRANKSHAFT BEARING SIZE 0-2		1	pc	565,000 g	M
110	X52403100005	CRANKSHAFT BEARING SIZE 0-3	OBERE HAELFTE	1	pc	0,388 kg	M
120	5240336902	CRANKSHAFT BEARING SIZE 0-3		1	pc	585,000 g	M
130	X52403100006	CRANKSHAFT BEARING SIZE 1-0	OBERE HAELFTE	1	pc	0,388 kg	M
140	5240337002	CRANKSHAFT BEARING SIZE 1-0		1	pc	54,000 g	M
150	X52403100007	CRANKSHAFT BEARING SIZE 1-1	OBERE HAELFTE	1	pc	428,300 g	M
160	5240337102	CRANKSHAFT BEARING SIZE 1-1		1	pc	565,000 g	M
170	X52403100008	CRANKSHAFT BEARING SIZE 1-2	OBERE HAELFTE	1	pc	0,388 kg	M
180	5240337202	CRANKSHAFT BEARING SIZE 1-2		1	pc	1,000 kg	M
190	X52403100009	CRANKSHAFT BEARING SIZE 1-3	OBERE HAELFTE	1	pc	0,388 kg	M
200	5240337302	CRANKSHAFT BEARING SIZE 1-3		1	pc	600,000 g	M
210	X52403100010	CRANKSHAFT BEARING SIZE 2-0	OBERE HAELFTE	1	pc	0,388 kg	M
220	5240337402	CRANKSHAFT BEARING SIZE 2-0		1	pc	560,000 g	M
230	X52403100011	CRANKSHAFT BEARING SIZE 2-1	OBERE HAELFTE	1	pc	0,388 kg	M
330	5240337502	CRANKSHAFT BEARING SIZE 2-1		1	pc	580,000 g	M
340	X52403100012	CRANKSHAFT BEARING SIZE 2-2	OBERE HAELFTE	1	pc	0,388 kg	M
350	5240337602	CRANKSHAFT BEARING SIZE 2-2		1	pc	675,000 g	M
360	X52403100013	CRANKSHAFT BEARING SIZE 2-3	OBERE HAELFTE	1	pc	0,388 kg	M
370	5240337702	CRANKSHAFT BEARING SIZE 2-3		1	pc	685,000 g	M

GROUP SEGMENT (FGS)

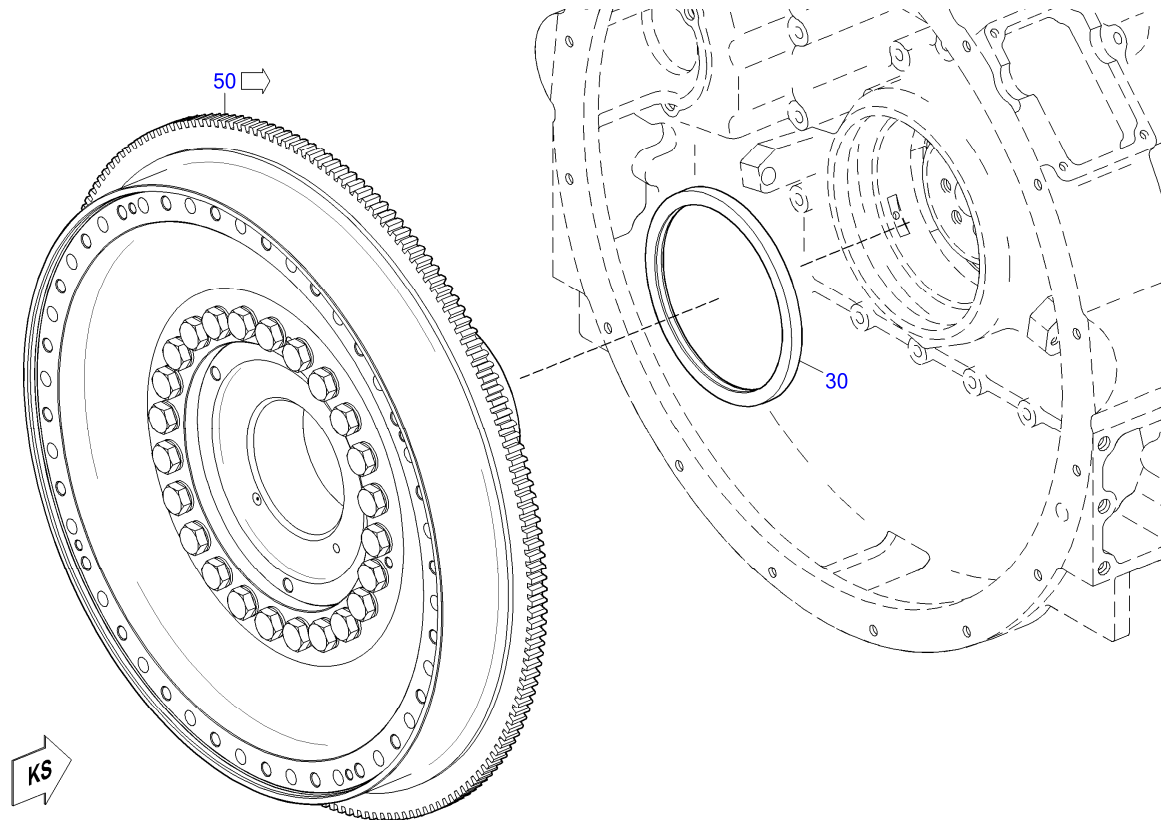
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BOM-No.



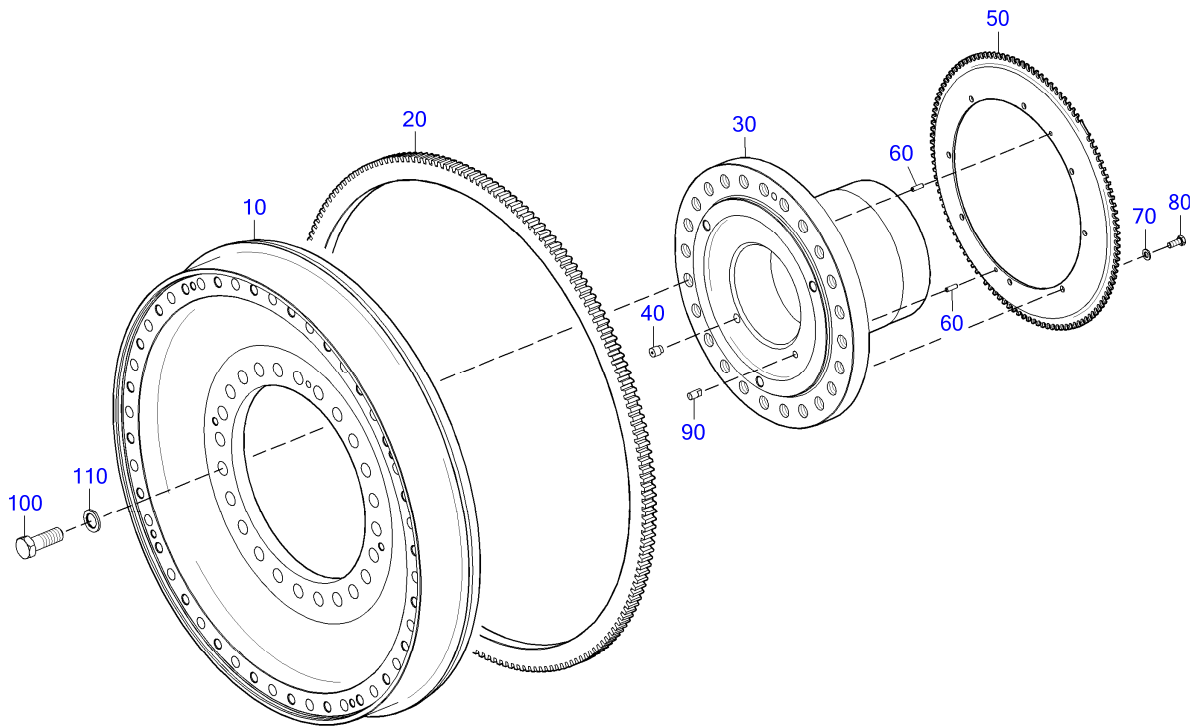
10
FLYWHEEL TWO-PIECE
X00019536

01200252c



03200252b

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT
30	0219976647	SEAL RING CRANKSHAFT REAR	PTEF-MANSCHETTE	1	pc	160,000 g	DM 210
50	X52603200007	FLYWHEEL		1	pc	170,000 kg	



03200253b

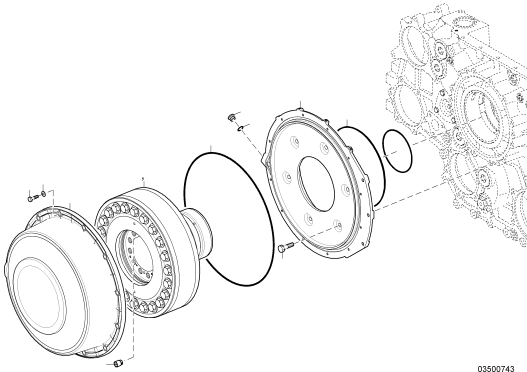
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
10	X00041899	FLYWHEEL	1	pc	85,500 kg			
20	5240320705	RING GEAR	1	pc	12,000 kg			
30	X52603200006	FLANGE PTO	1	pc	48,980 kg			
40	5769970219	PLUG HEX SOC HD G1/4 17.5 X 11 42CRM04	1	pc	12,000 g			
50	5240311148	WHEEL MDEC TRS METERING CRANKSHAFT	1	pc	2,220 kg	EM		
60	001481006004	PIN SPRING	2	pc	2,400 g		6 X 20 - N	ISO8752
70	000125008427	WASHER	8	pc	1,500 g		A 8,4	DIN125
80	304017008079	BOLT HEX	8	pc	11,700 g		M 8 X 20	ISO4017
90	8809970210	DOWEL PIN	1	pc	12,000 g			
100	000000003976	HEX SCREW	24	pc	182,700 g		M 20 X 55	ISO4017
110	200433021000	WASHER	24	pc	12,400 g		21	DIN433

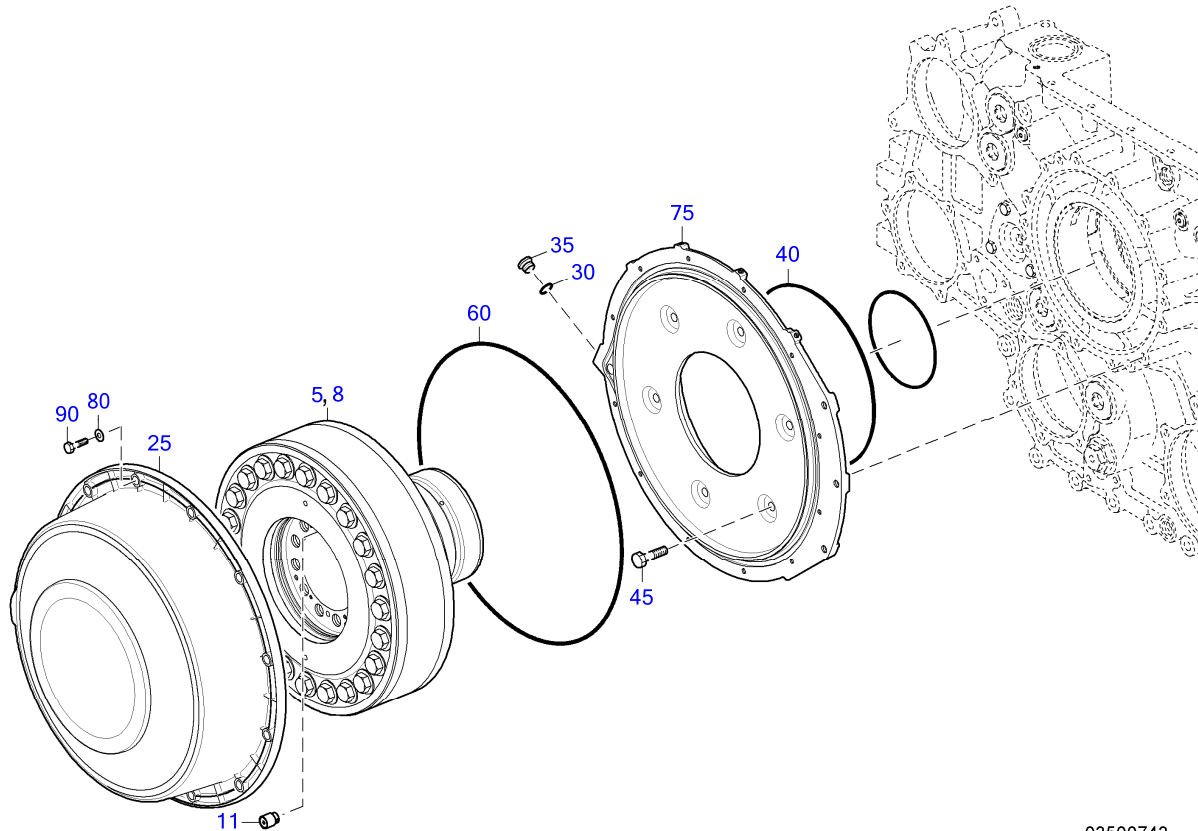
GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

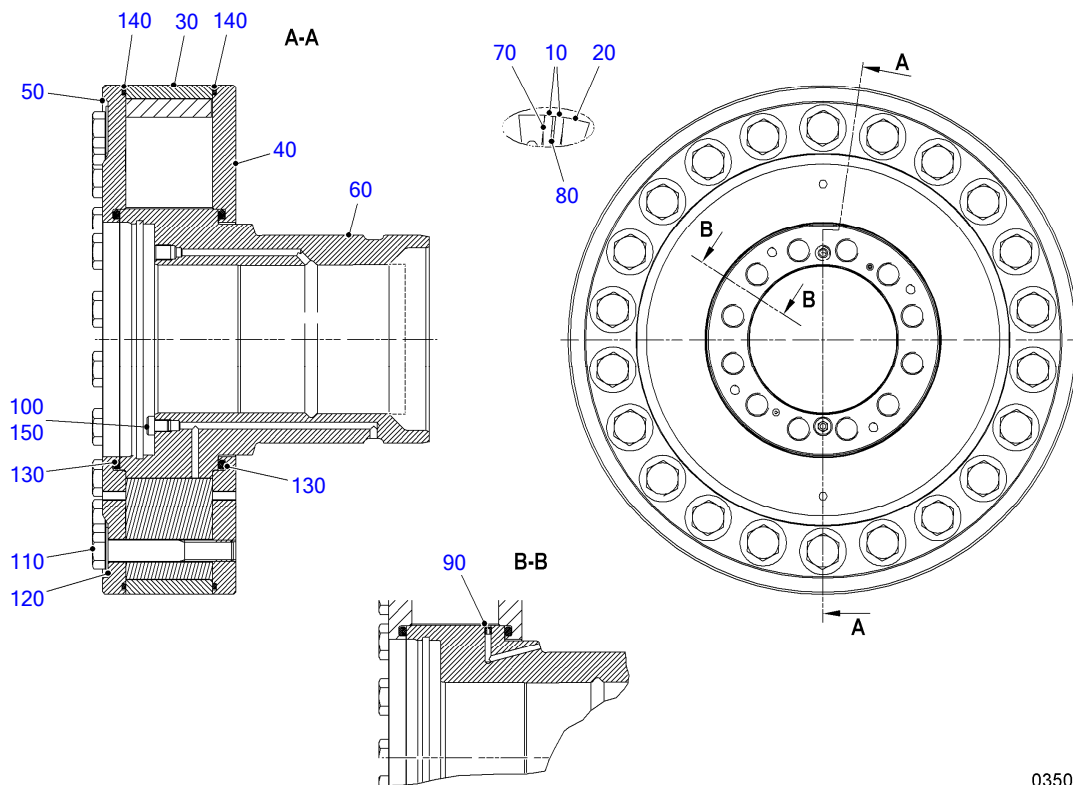
05
VIBRATION DAMPER
X00019281





03500743

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
5	X59303500001	VIBRATION DAMPER	D44/4/1/1	1	pc	122,000 kg			
8	EX59303500001	VIBRATION DAMPER		1	pc	122,000 kg	MN		
11	5769970219	PLUG HEX SOC HD G1/4 17.5 X 11 42CRM04		1	pc	12,000 g			
25	5260350020	CVR PROTECTIVE FOR VIBR DAMPER-03 GENSET		1	pc	3,000 kg			
30	007603020103	WASHER A COP		1	pc	2,400 g	A 20 X 26		DIN7603
35	000908020000	PLUG		1	pc	0,037 kg	M 20 X 1,5		DIN908
40	700429290000	O-RING		1	pc	25,200 g	290 X 4		MMN429
45	304017012018	BOLT HEX		6	pc	49,900 g	M 12 X 50		ISO4017
60	700429480000	O-RING		1	pc	64,600 g	480 X 5		MMN429
75	X59499100480	FLANGE F.VIB.DAMPER HOUSIN		1	pc	20,000 kg			
80	206796008000	CONICAL SPR. WASHER		12	pc	2,800 g	8		DIN6796
90	000931008038	BOLT HEX		12	pc	16,200 g	M 8 X 32		DIN931



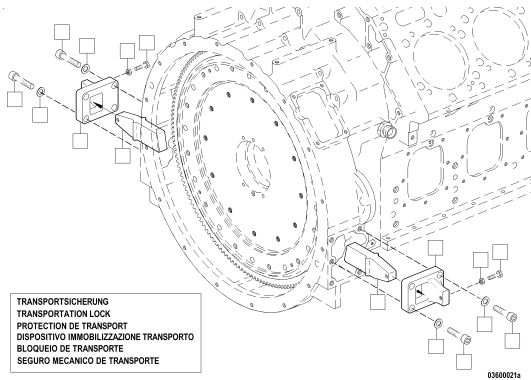
03500714

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
10	X00035236	SPRING PACK	1	pc				
20	X00025741	INTERMEDIATE MEMBER	1	pc				
30	X00025742	CLAMPING RING	1	pc				
40	X00025743	FLANGE	1	pc	20,800 kg			
50	X00035240	SIDE PLATE	1	pc				
60	XP59303500004	INNER STAR	1	pc			NACH ZEICHNUNG G2 08382	
70	XP52625200121	SHIM	1	pc				
80	X00035243	SHIM	22	pc			RE>268 MPA	
90	X00035245	INJECTION TIMER	2	pc		EM	M6 DURCHM.2.7	
100	X00035250	SEALANT	1	pc	0,490 g		M10X1 DICHTNIPPEL	
110	X00035254	HEX SCREW	22	pc			M18 X110	ISO4014
120	X00035255	DISHED WASHER	22	pc			40 X 19 X 2	
130	8699970418	SEALING RING	2	pc	53,500 g		208 X 7	
140	700429420000	O-RING	2	pc	36,700 g		420 X 4	MMN429
150	XP52203500025	PLUG	4	pc			DICHTSTOPFEN 6	

GROUP SEGMENT (FGS)

GROUP NAME

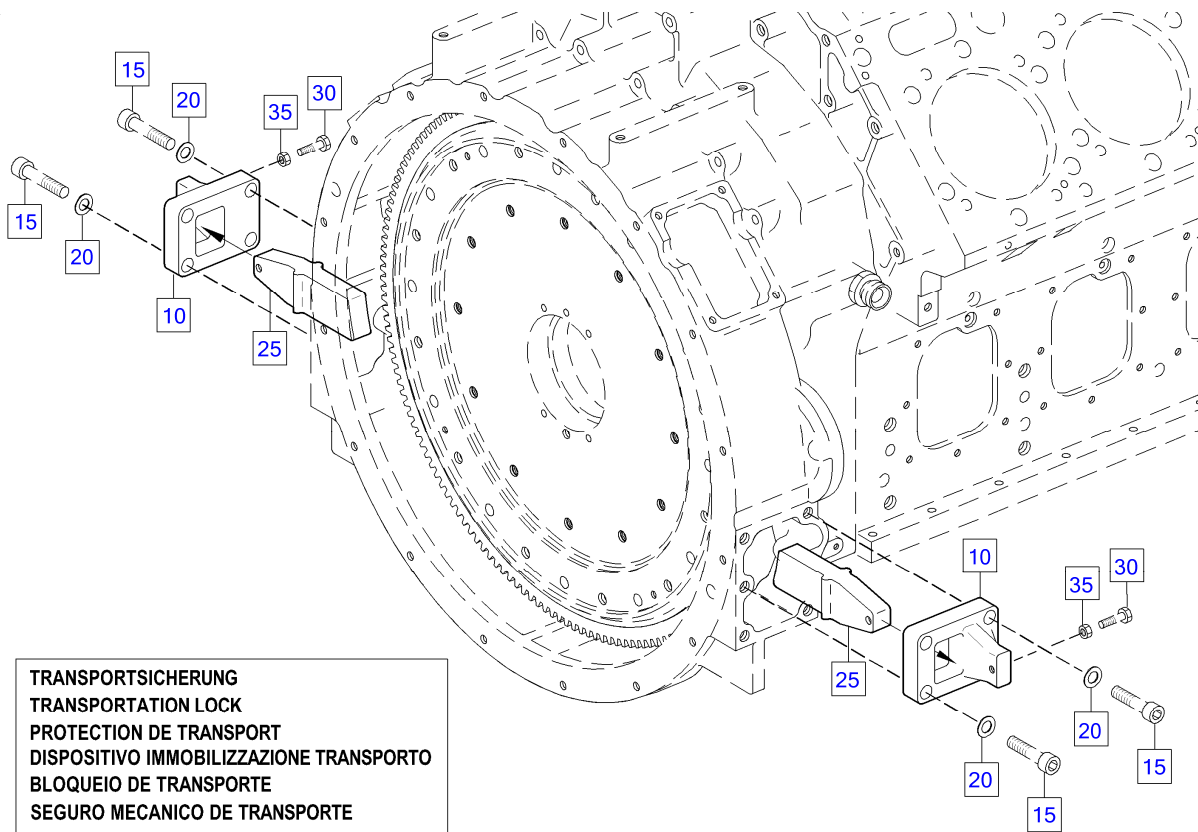
BOM-No.



05
TRANSPORTATION LOCK
030.00160

TRANSPORTSICHERUNG
TRANSPORTATION LOCK
PROTECTION DE TRANSPORT
DISPOSITIVO IMMOBILIZZAZIONE TRANSPORTO
BLOQUEIO DE TRANSPORTE
SEGURO MECANICO DE TRANSPORTE

0300021a



03600021a

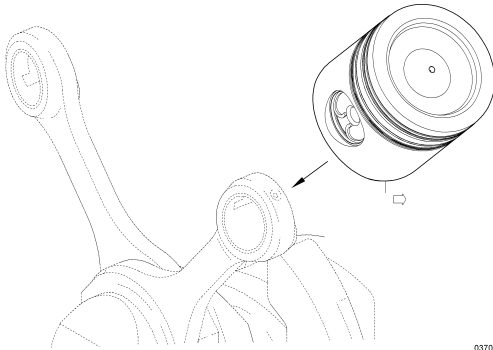
POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	5242370435	PLATE	8/12/16V4000	2	pc	3,100 kg		
15	000912016045	BOLT HEX SOC HD		8	pc	112,700 g	M 16 X 55	DIN912
20	000125017014	WASHER		8	pc	10,500 g	A 17	DIN125
25	5242370940	RETAINER	8/12/16V40000	2	pc	2,690 kg		
30	000933010144	BOLT HEX		2	pc	40,800 g	M 10 X 60	DIN933
35	000934010007	NUT HEX		2	pc	10,300 g	M 10	DIN934

GROUP SEGMENT (FGS)

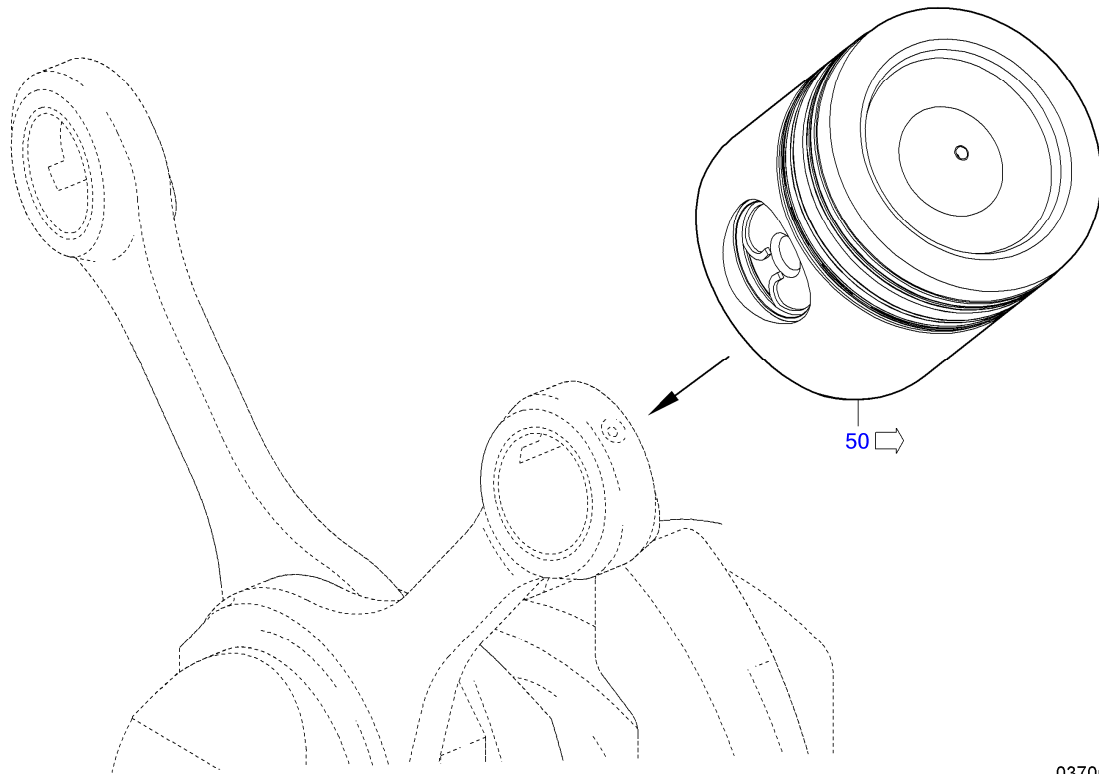
GROUP NAME

BOM-No.

05
PISTON FOR 12V
XS594030.00110

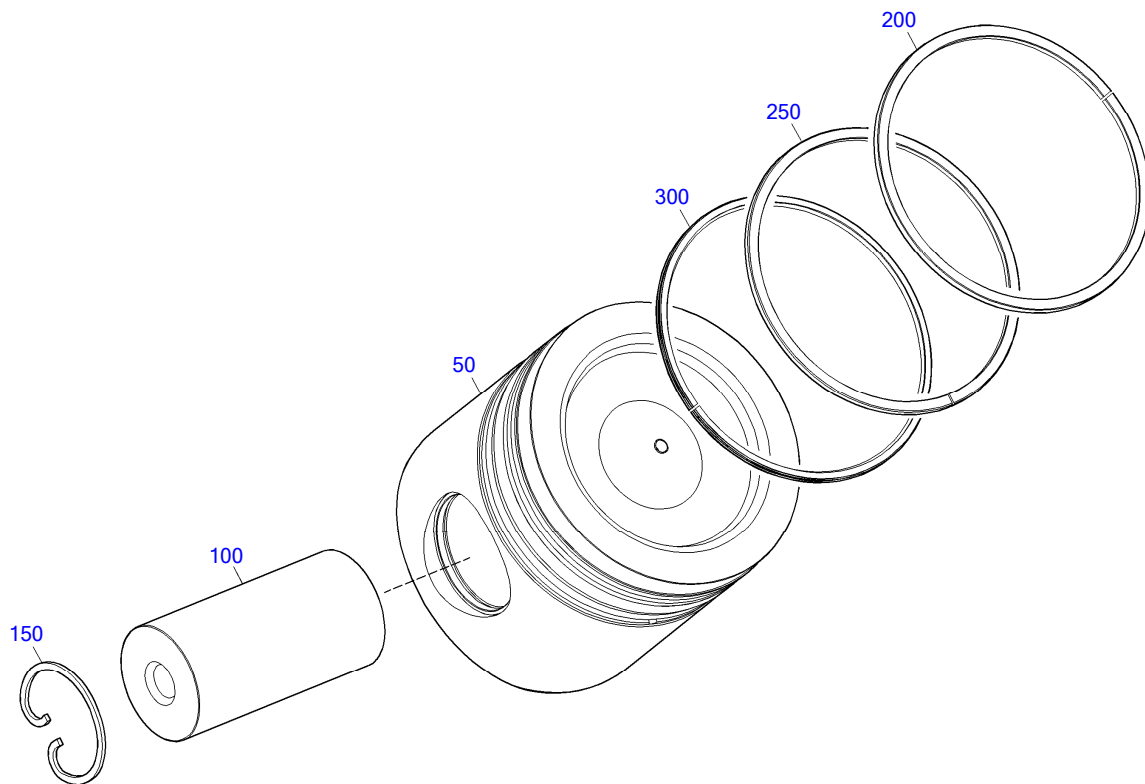


03700353a



03700383a

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT
50	X59403700041	PISTON	OPT.KOLBEN, RING1	12	pc	10,170 kg	EM	4000G83



03700384a

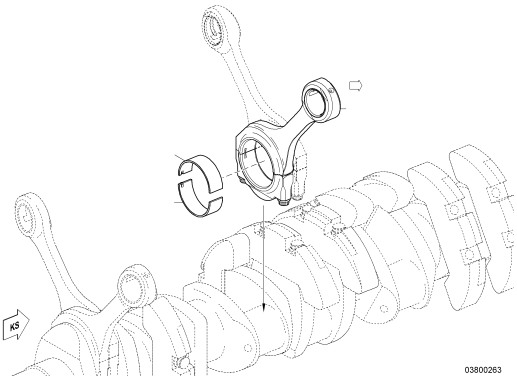
POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT
50	X59403700042	PISTON	OPT.KOLBEN	1	pc	5,201 kg	EM	4000G83
100	5240370720	PISTON PIN		1	pc	3,500 kg		
150	X52403700173	CIRCLIP		2	pc	17,100 g		
200	X59403700043	KEYSTONE COMPR RING	DTR, RED. CKS + VERGR. STÖß	1	pc	109,000 g	EM	
250	0090375019	TAPER FACE COMP RING		1	pc	92,800 g		
300	0120373618	OIL CONTROL RING		1	pc	59,000 g	EM	

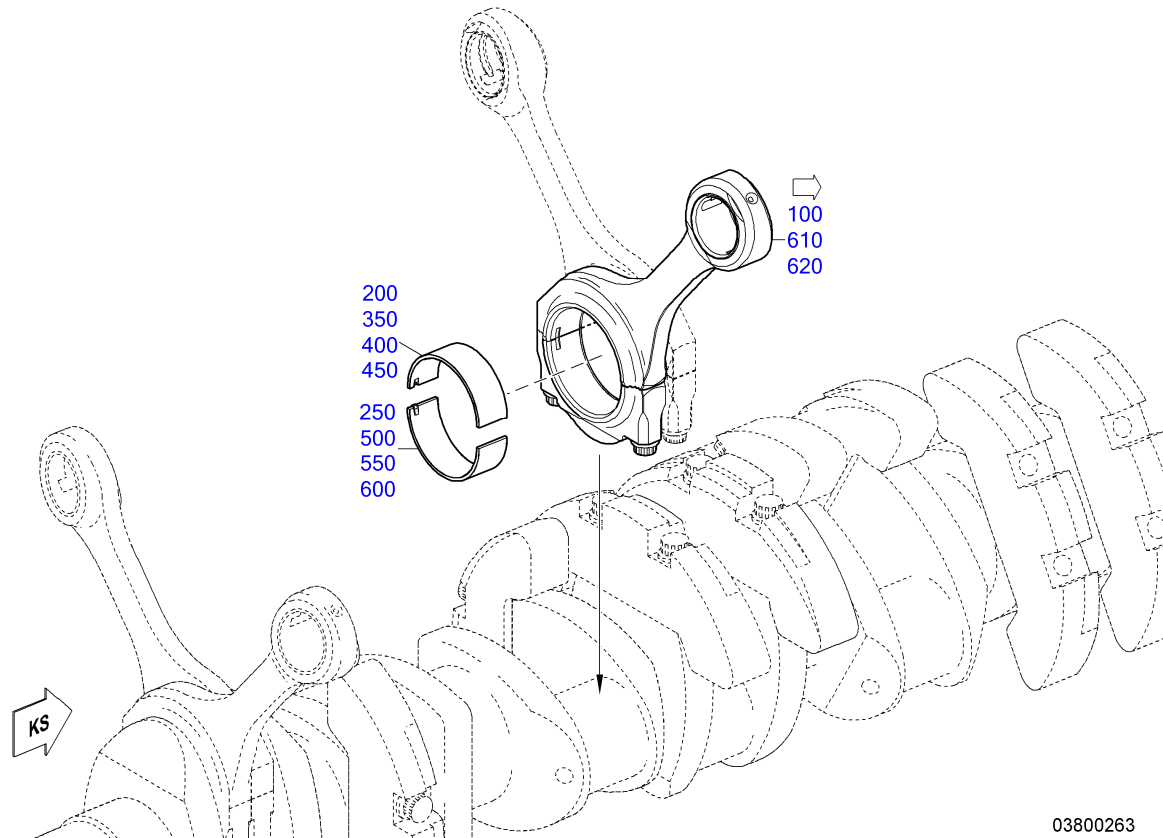
GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

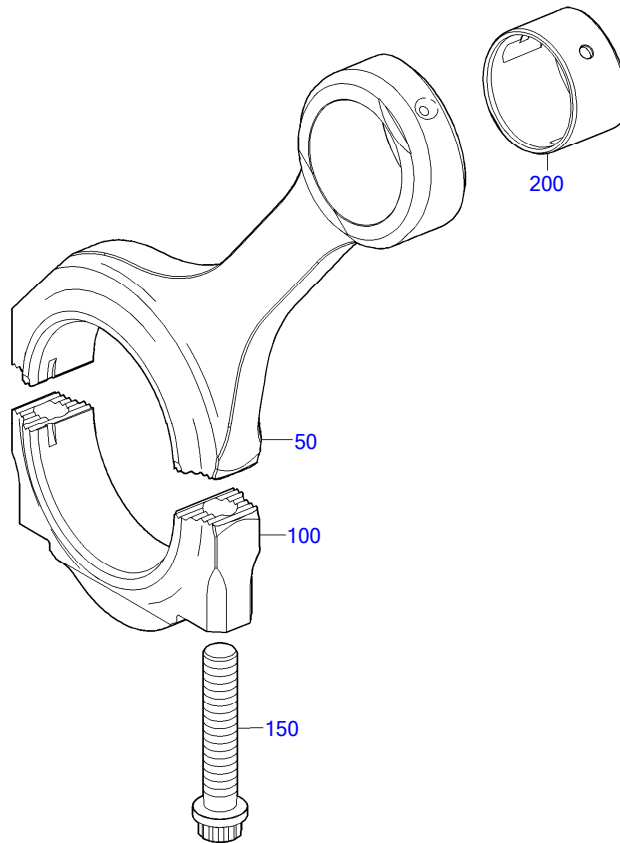
05
CONROD FOR 12V
X00043446





03800263

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN
100	X52603800010/42	CONROD ASM	BR4000 LANGHUB	12	pc	9,725 kg	EM
200	5240384110	CONROD BEARING UPPER HALF		12	pc	280,000 g	
250	X00040714	CONROD BEARING SIZE 0-0	UNTERE HAELFTE	12	pc	260,000 g	
350	5240384210	CONROD BEARING SIZE 0-1		1	pc	300,000 g	M
400	5240384310	CONROD BEARING SIZE 0-2	OBERE HAELFTE	1	pc	292,000 g	M
450	5240384410	CONROD BEARING SIZE 0-3		1	pc	302,000 g	M
500	X00040715	CONROD BEARING SIZE 0-1	UNTERE HAELFTE	1	pc	260,000 g	M
550	X00040717	CONROD BEARING SIZE 0-2	UNTERE HAELFTE	1	pc	0,275 kg	M
600	X00040718	CONROD BEARING SIZE 0-3	UNTERE HAELFTE	1	pc	0,275 kg	M
610	RX00040057/42	CONROD ASM		1	pc	9,580 kg	MN EM
620	RX52603800010/42	CONROD ASM		1	pc	9,580 kg	MN EM



03800045c

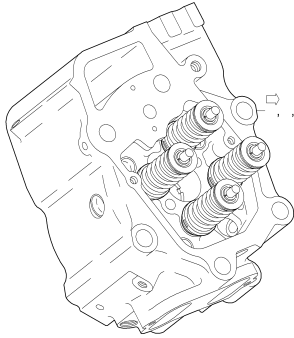
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN
50	X52603800011/42	CONROD	1	pc		EM
100	X52603800012	CONROD CAP	1	pc		M
150	5240380471	BOLT M20 1.50 X 103.0 LG 18 CONROD	2	pc	308,000 g	
200	5240382550	BUSHING CON ROD 75.00	1	pc	303,000 g	M

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

05
CYLINDER HEAD
XS526040.00003



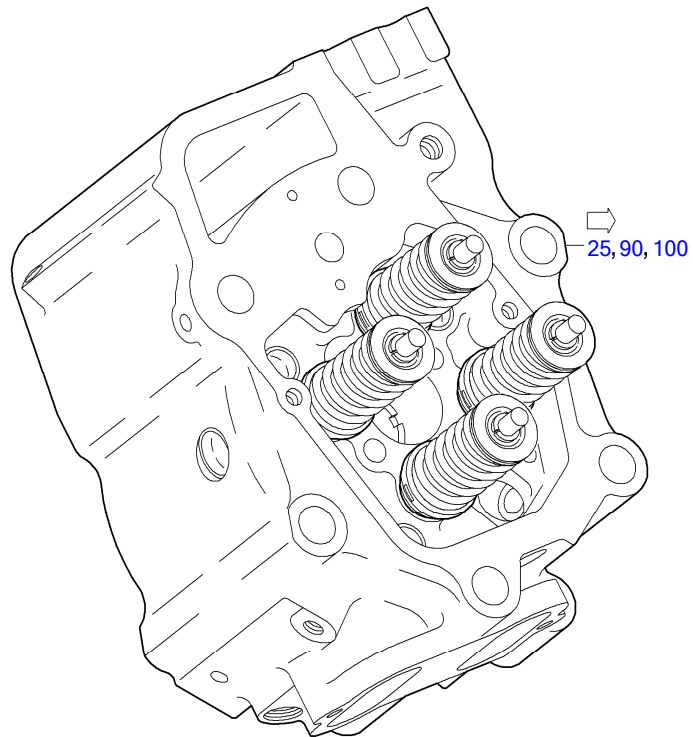
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EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
CYLINDER HEAD

SERIAL NUMBER: 526108120

FG/FGS: 041 05
BOM-No.: XS526040.00003



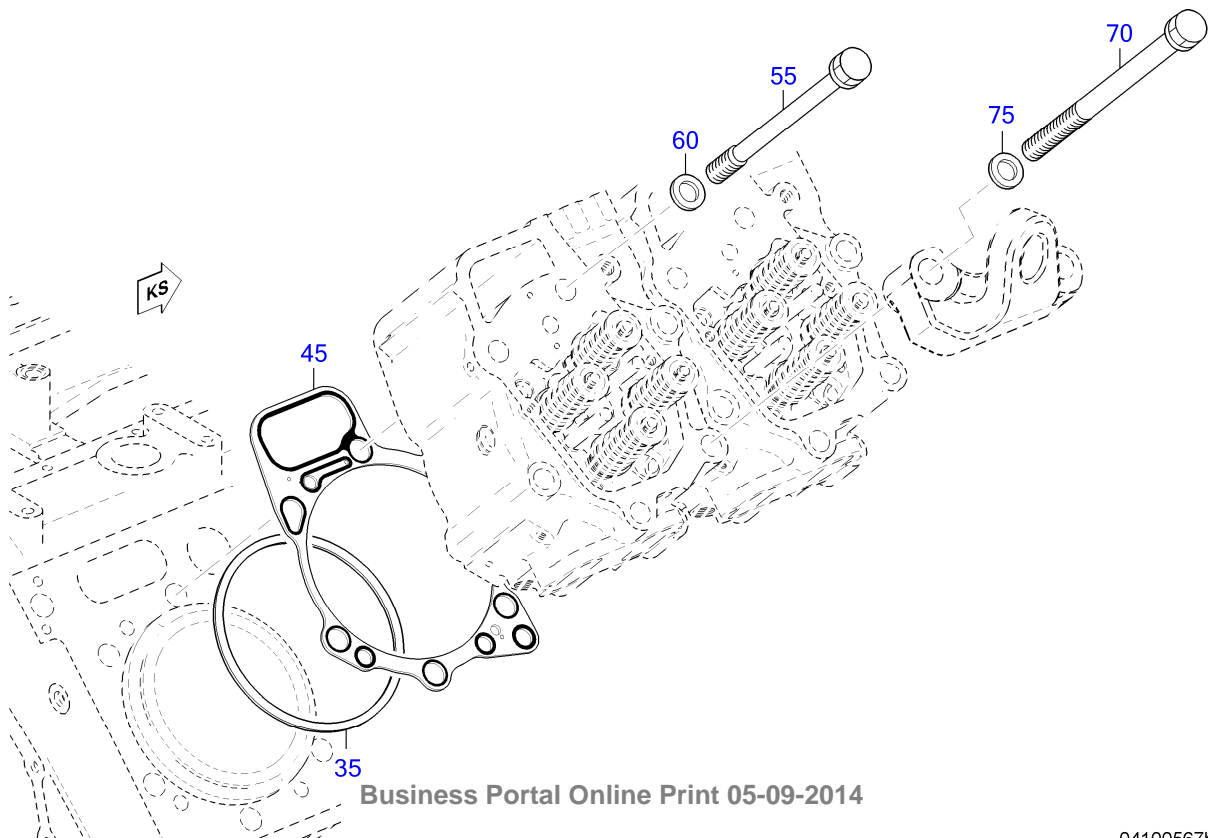
04101309

EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
CYLINDER HEAD

SERIAL NUMBER: 526108120

FG/FGS: 041 05
BOM-No.: XS526040.00003



Business Portal Online Print 05-09-2014

04100567b

EQUI TYPE: Engine

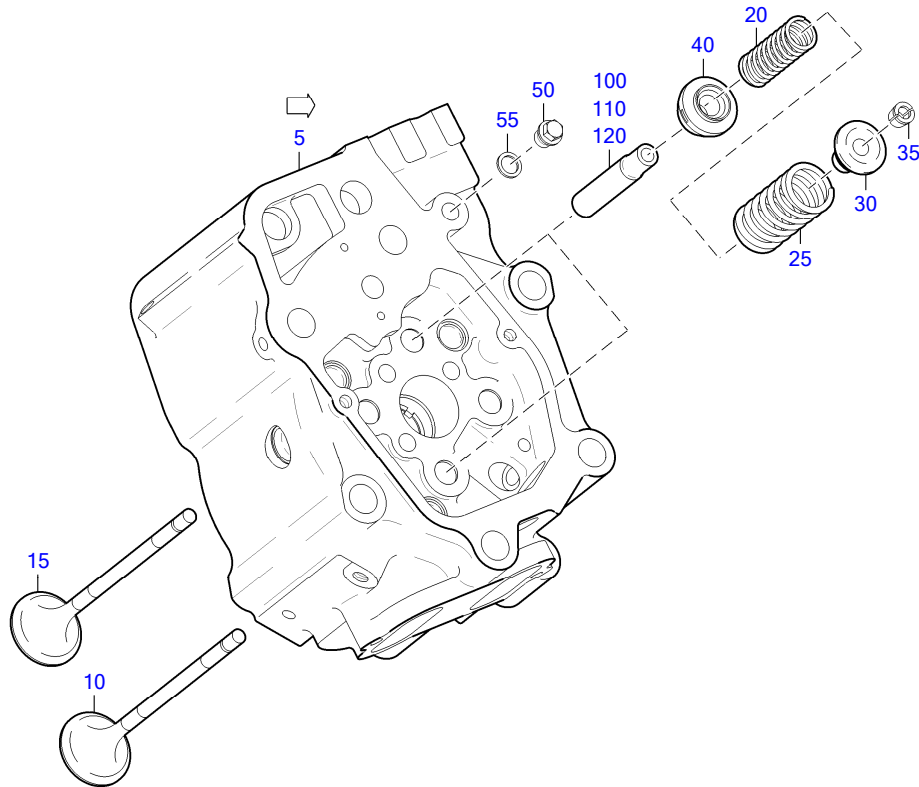
PRODUCT TYPE: 12V4000G23R
CYLINDER HEAD

SERIAL NUMBER: 526108120

FG/FGS: 041 05

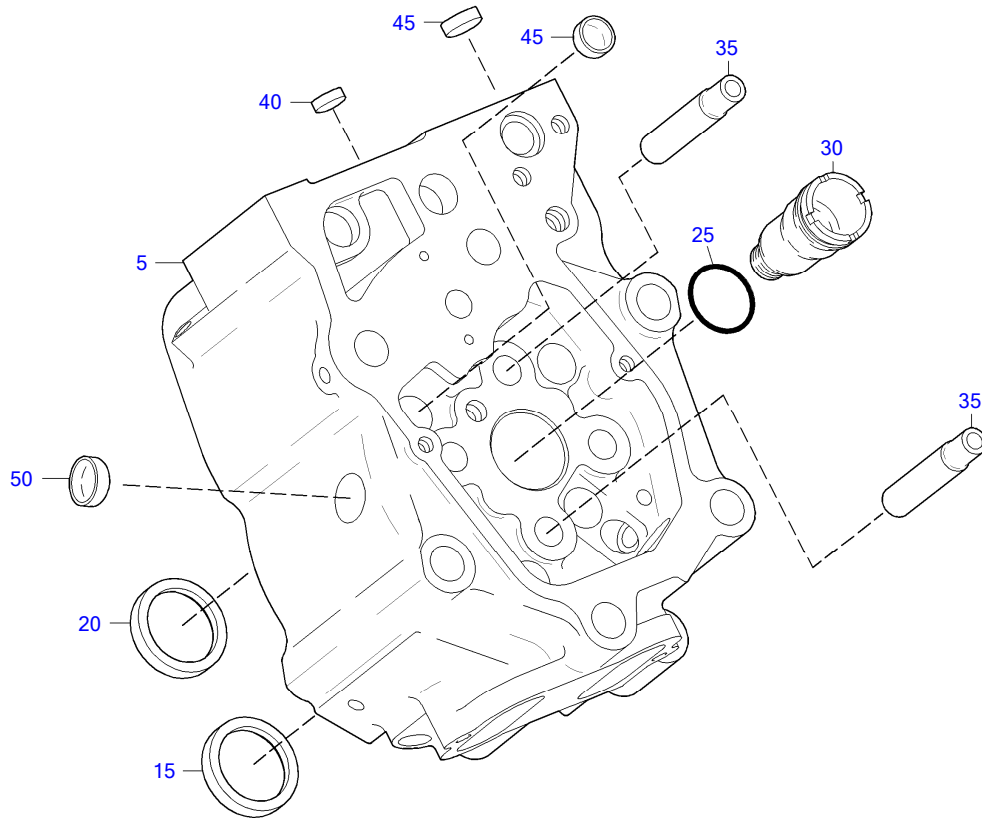
BOM-No.: XS526040.00003

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT
25	X52404100035	HEAD ASM CYLINDER W/VALVES S4000		12	pc	49,000 kg	EM	
35	5240160319	SEALING RING SIZE 0		12	pc	165,800 g	EM	
45	X52404200043	GASKET FOR CYLINDER HEAD		12	pc	121,300 g		
55	5249900701	BOLT CYL HD		64	pc	740,000 g		
60	5240110062	WASHER THRUST		64	pc	20,600 g		
70	5240160069	BOLT HEX CYL HD		8	pc	1,100 kg		M22X2X333
75	5240110062	WASHER THRUST		8	pc	20,600 g		
90	RX52404100035	CYLINDER HEAD	8+12+16+20V4000-03	1	pc	49,000 kg	EM	
100	EX52404100035	CYLINDER HEAD		1	pc	49,000 kg	EM	



04101294

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
5	X52404100034	CYLINDER HEAD W/VALVE GUIDES		1	pc	49,410 kg	EM		
10	X00042197	INLET VALVE		2	pc	335,800 g	EM		
15	5240530805	EXHAUST VALVE		2	pc	340,800 g	EM		
20	5240530122	VALVE SPRING INNER	4000	4	pc	60,500 g			
25	5240530120	VALVE SPRING OUTER	4000	4	pc	154,900 g			
30	5240530125	RETAINER VALVE SPRING		4	pc	33,800 g			
35	0000530926	VALVE KEEPER WEDGE		8	pc	1,600 g			
40	0000534335	VALVE ROTATOR		4	pc	108,700 g			
50	000910014004	PLUG		1	pc	0,025 kg		M 14 X 1,5	DIN910
55	007603014102	COPPER SEALING RING		1	pc	1,000 g		A 14 X 18	DIN7603
100	5240530830	VALVE GUIDE		1	pc	130,000 g		STANDART FERTIG BEARBEITET	
110	5240530930	VALVE GUIDE		1	pc	130,000 g	EM	ST.1 FERTIG BEARBEITET	
120	5240531030	VALVE GUIDE	4000	1	pc	140,000 g	EM	ST.2 FERTIG BEARBEITET	

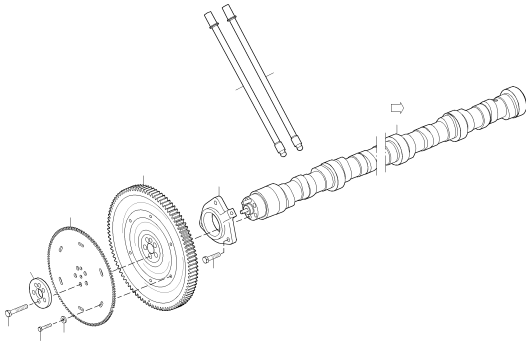


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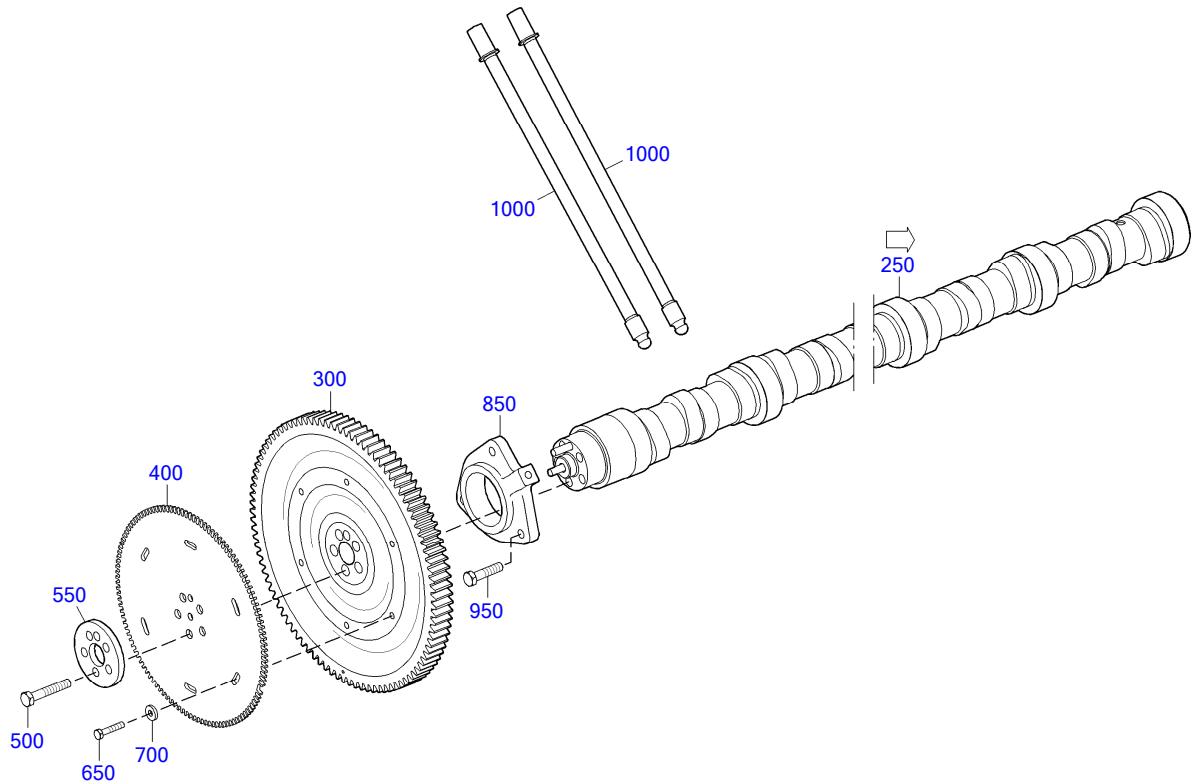
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
5	X00012485	CYLINDER HEAD	1	pc	48,980 kg	EM		
15	X52404100027	VALVE SEAT INSERT INLET	2	pc	47,700 g	EM	D 58U6	
20	5240530032	VALVE SEAT INSERT EXHAUST	2	pc	31,100 g	EM	D 57U6	
25	735252039000	O-RING	1	pc	1,800 g		39,2 X 3	MTN5252
30	5240160153	TUBE INJECTOR	1	pc	188,600 g			
35	5240530530	VALVE GUIDE INSERT	4	pc	133,600 g	EM	D 19R6 / D10.6+0.05	
40	5550160633	SEALING CAP	1	pc	7,200 g		D 20	
45	5800160033	SEALING CAP	4	pc	11,000 g		D 24	
50	5240160233	SEALING CAP	5	pc	18,200 g		D 30	

GROUP SEGMENT (FGS)
GROUP NAME
BOM-No.

05
CAMSHAFT
X00026313

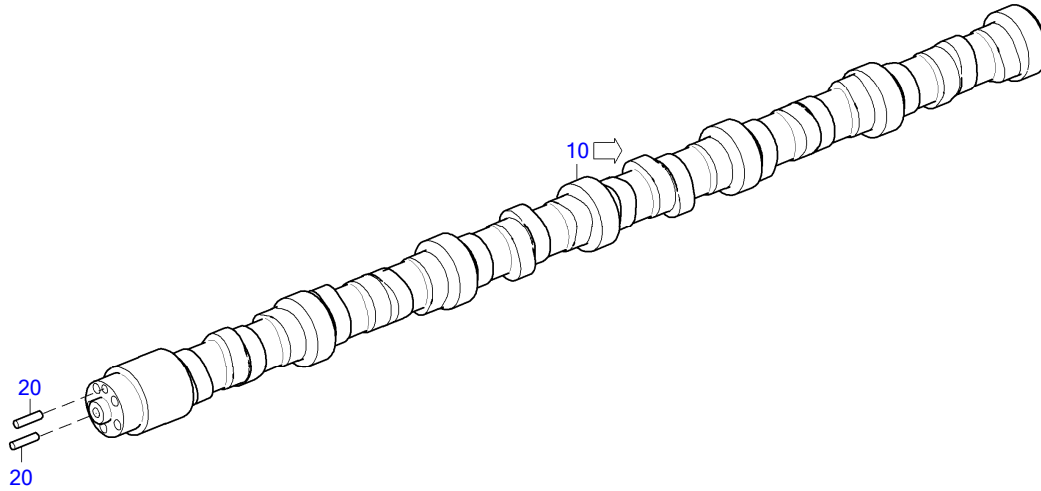


0510026313



05100208b

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
250	X52605100019	CAMSHAFT FOR 12V	1	pc	49,500 kg	EM		
300	X52405200018	CAMSHAFT GEAR	1	pc	19,400 kg	EM		
400	5240521748	WHEEL SRS ADEC	1	pc	2,900 kg	EM		
500	000931012052	BOLT HEX	5	pc	72,190 g		M 12 X 70	DIN931
550	5240510351	SPACER RING HOLES	1	pc	422,900 g			
650	304017008085	BOLT HEX	6	pc	18,000 g		M 8 X 40	ISO4017
700	007349008002	WASHER	6	pc	8,300 g		8,4	DIN7349
850	X52405300005	THRUST BEARING FLANG FOR CAMSHAFT	1	pc	2,000 kg			
950	000933012051	BOLT HEX S2000/4000	3	pc	53,200 g	MN	M 12 X 50	DIN933
1000	X52405400013	PUSHROD	24	pc	600,200 g			



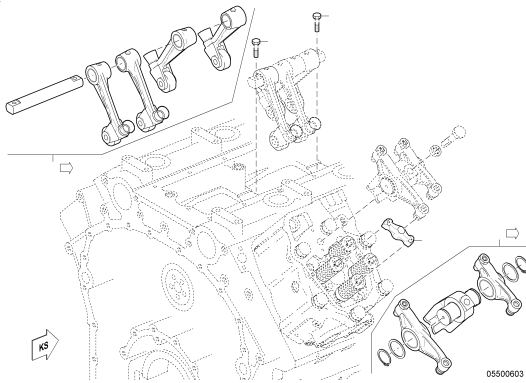
05100330

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
10	X52605100018	CAMSHAFT FOR 12V	1	pc	50,063 kg	EM		
20	000007010111	PIN DOWEL CAMSHAFT	2	pc	25,000 g		10 M6 X 40	DIN7

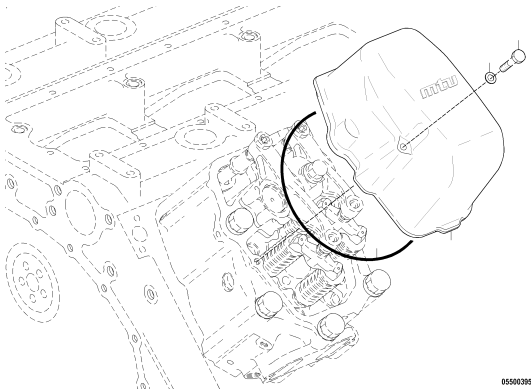
GROUP SEGMENT (FGS)

GROUP NAME

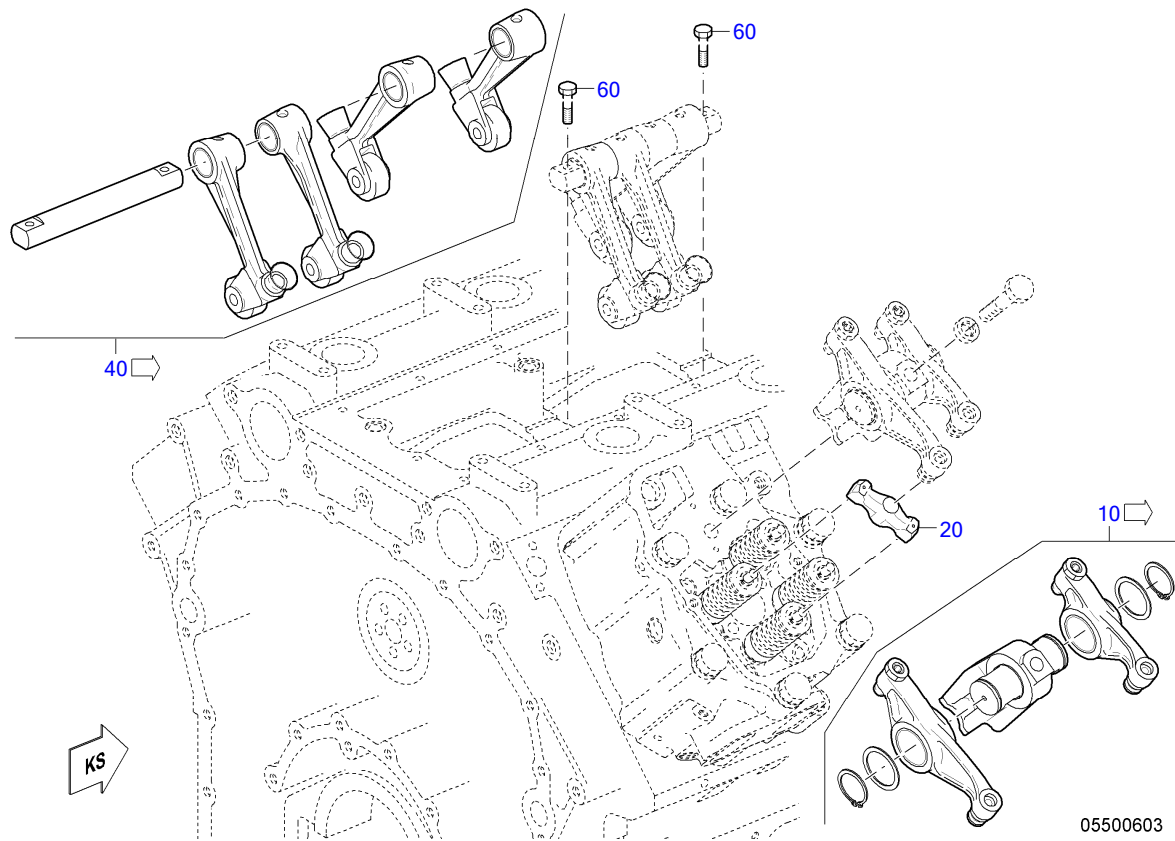
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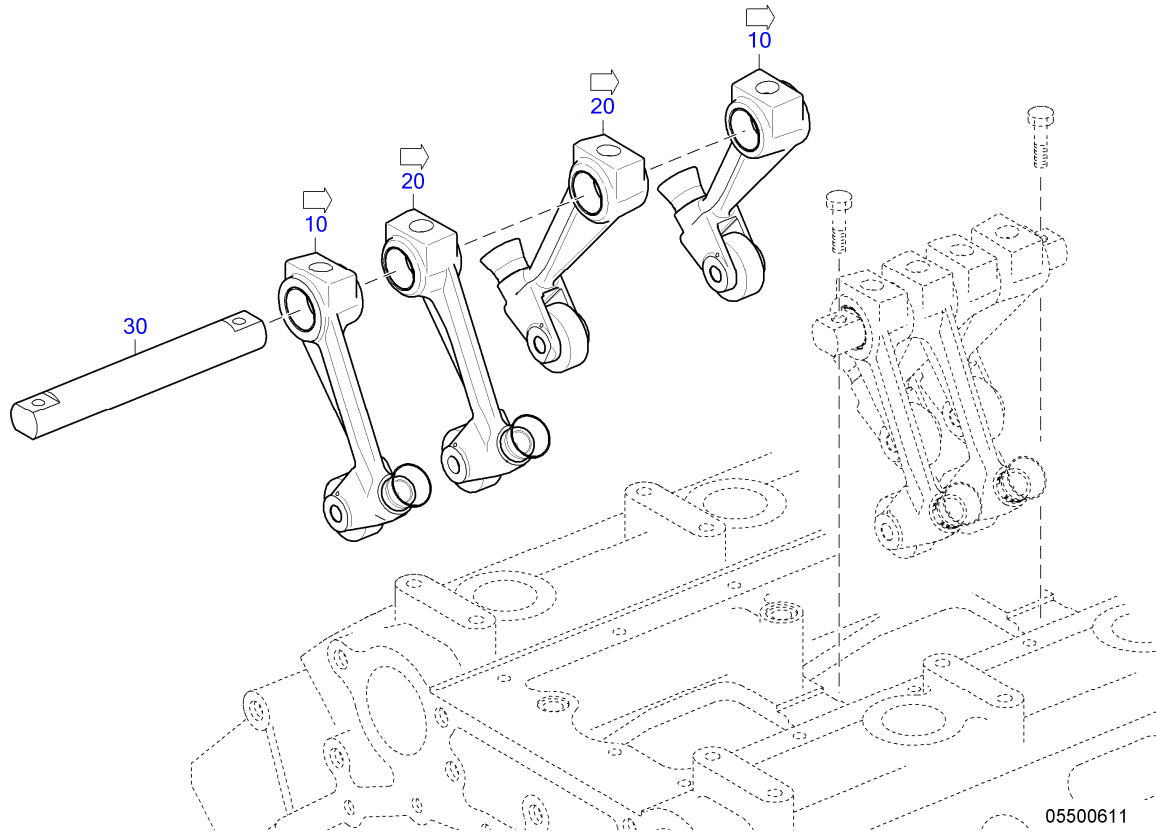
05
VALVE GEAR FOR 12V
XS526050.00019



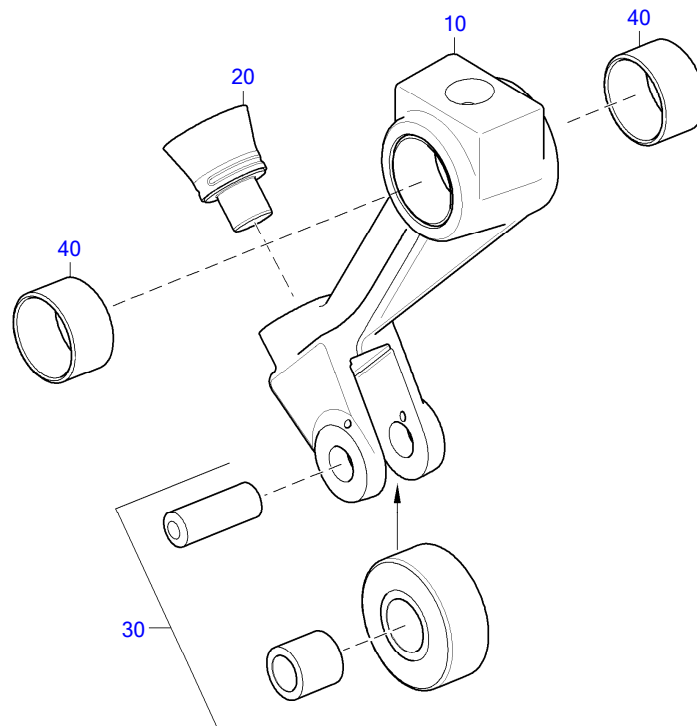
10
CYLINDER HEAD COVER FOR 12V
XS594050.00005



POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	X52405500145	ROCKER ARM	12	pc	6,560 kg		
20	X52405500135	VALVE BRIDGE	24	pc	275,800 g		
40	X52405500139	SWING FOLL.	6	pc	7,940 kg		
60	000933010194	BOLT HEX	12	pc	31,200 g	M 10 X 40	DIN933

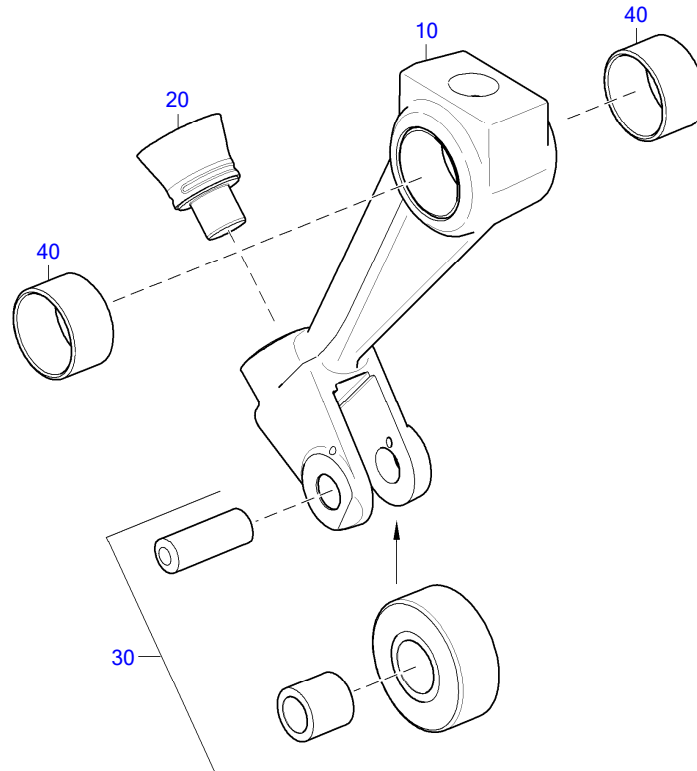


POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
10	X52405500137	SWING FOLL. INLET	2	pc	1,761 kg
20	X52405500138	SWING FOLL. EXHAUST	2	pc	1,761 kg
30	X52405500103	ROCKER SHAFT	1	pc	1,380 kg



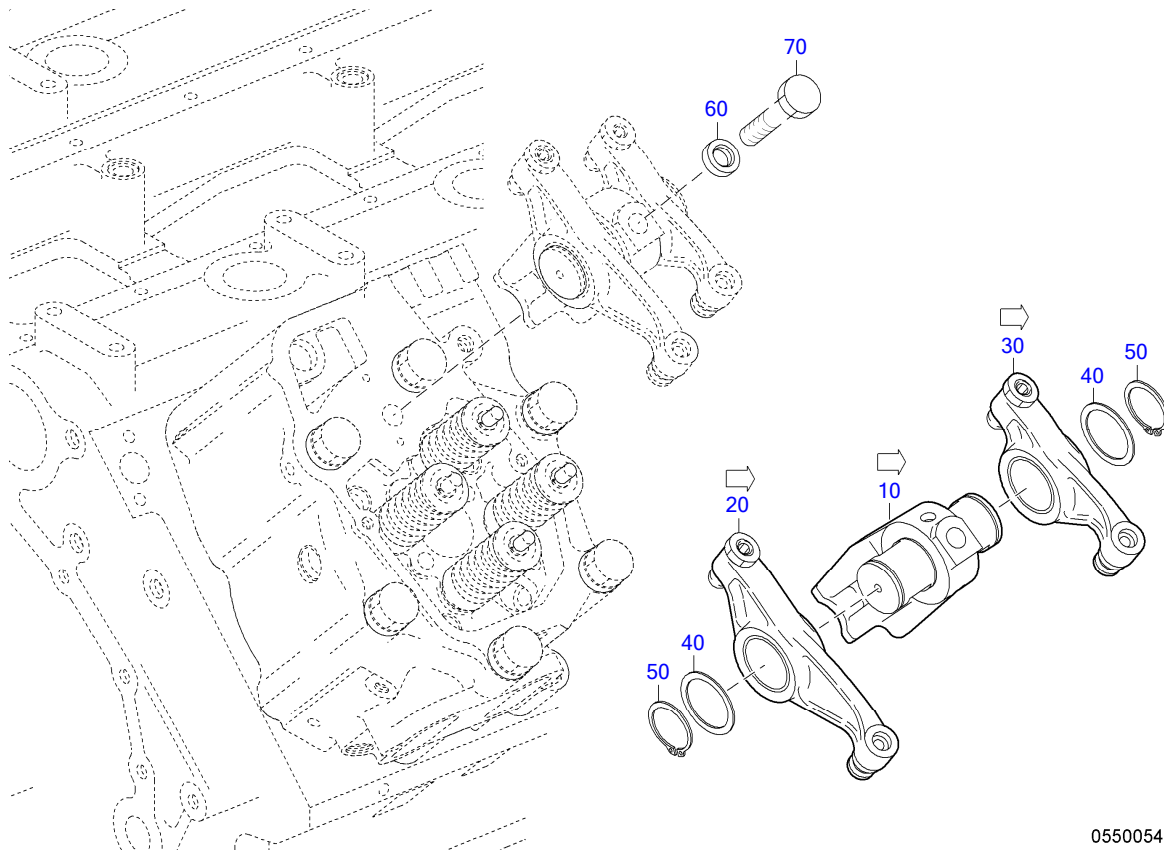
05500614

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	X52405500106	SWING FOLL. INLET	1	pc	1,177 kg		
20	X52405500136	BALL SOCKET FOR ROCKER ARM	1	pc	64,500 g		
30	X52405400022	ROLLER TAPPET REPAIR KIT	1	pc	341,000 g		
40	000000001270	BUSHING	2	pc	36,900 g	C 32 X 36 X 20	ISO4379



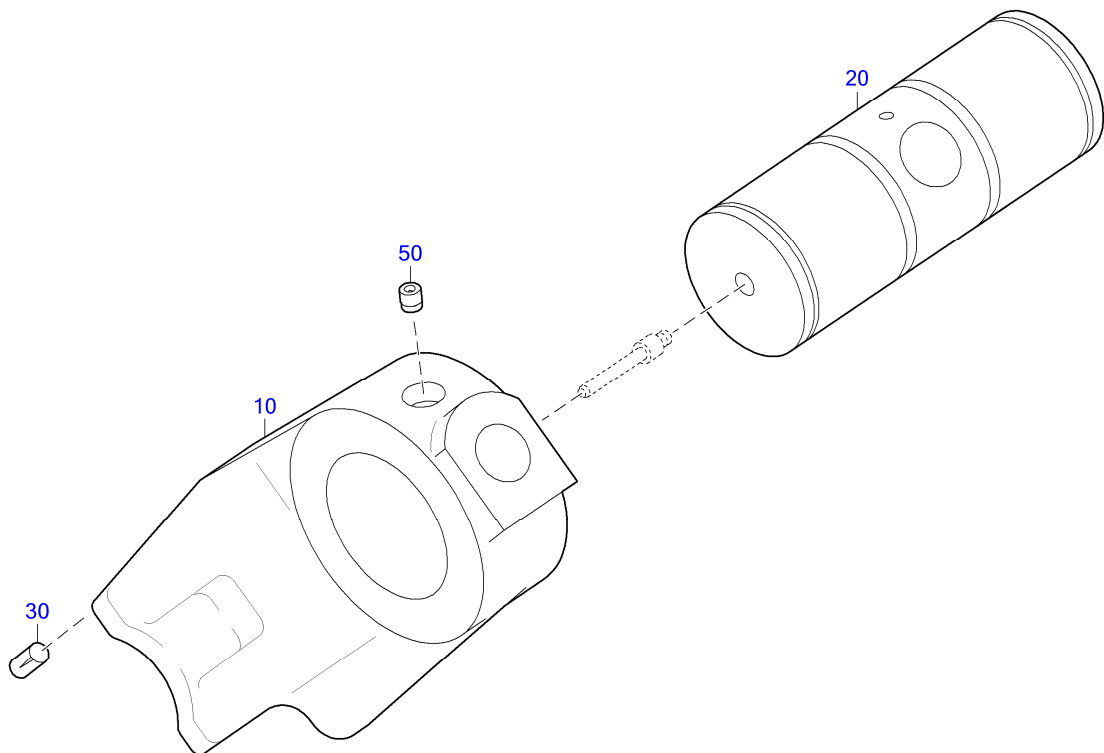
05500615

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	X52405500107	SWING FOLL. EXHAUST	1	pc	1,173 kg		
20	X52405500136	BALL SOCKET FOR ROCKER ARM	1	pc	64,500 g		
30	X52405400022	ROLLER TAPPET REPAIR KIT	1	pc	341,000 g		
40	000000001270	BUSHING	2	pc	36,900 g	C 32 X 36 X 20	ISO4379



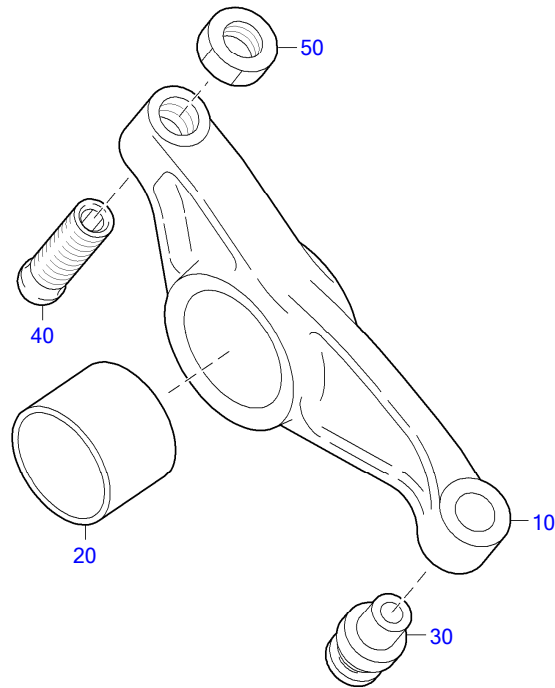
05500546

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	X52405500146	ROCKER SHAFT SUPPORT	1	pc	3,523 kg		
20	X52405500124	ROCKER ARM INLET	1	pc	1,393 kg		
30	X52405500123	ROCKER ARM EXHAUST	1	pc	1,356 kg		
40	200988045000	RING SHIM	2	pc	8,600 g	45 X 55 X 1,5	DIN988
50	000471045000	RING SNAP HV ZNPH R5F	2	pc	7,300 g	45 X 1,75	DIN471
60	700521016200	WASHER	1	pc	11,700 g	16,2	MMN521
70	200933016002	HEX SCREW	1	pc	272,000 g	M 16 X180	DIN933



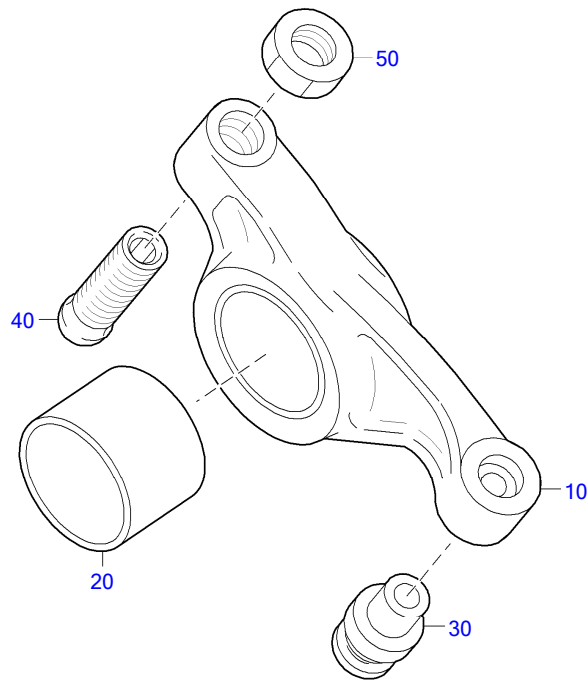
05500549

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	X52405500142	ROCKER SHAFT SUPPORT	1	pc	2,132 kg		
20	X52405500097	ROCKER SHAFT	1	pc	1,383 kg		
30	001474006000	PIN GROOVED	2	pc	2,700 g	6 X 12	DIN1474
50	X52418300025	OIL SPRAY NOZZLE	1	pc	1,000 g		



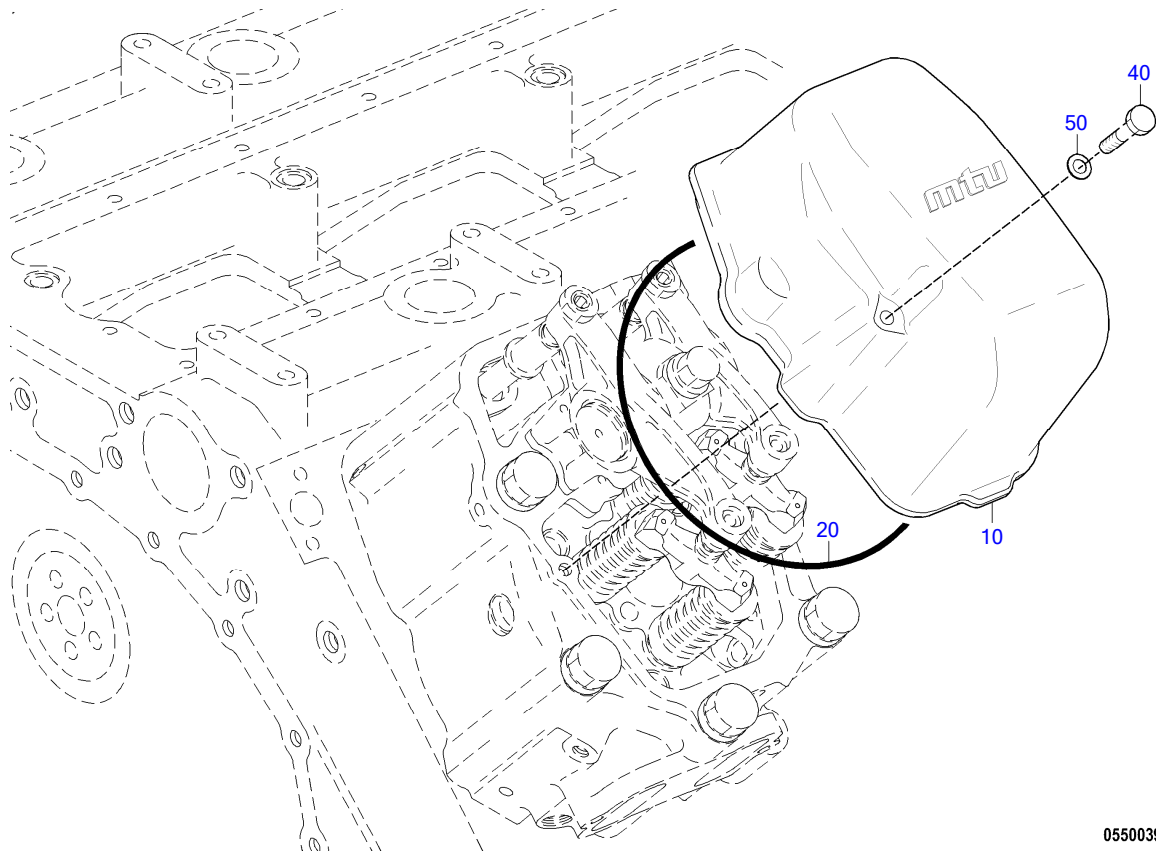
05500547

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	X52405500098	ROCKER ARM INLET	1	pc	1,102 kg		
20	X52499100176	BUSHING FOR ROCKER ARM	1	pc	115,000 g		
30	X52405200015	THRUST MEMBER FOR ROCKER ARM	1	pc	75,000 g		
40	X52499100259	ADJUSTING SCREW FOR ROCKER ARM	1	pc	71,000 g		
50	000000000403	NUT ADEC	1	pc	17,000 g	M 16 X 1,5	ISO8675



05500548

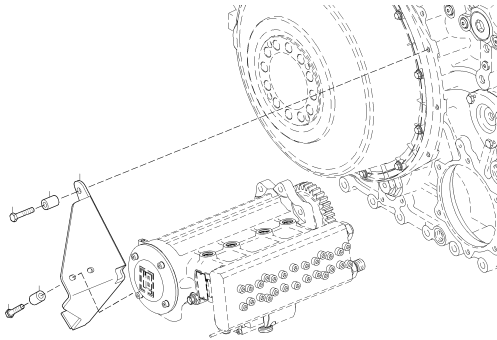
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	X52405500099	ROCKER ARM EXHAUST	1	pc	1,065 kg		
20	X52499100176	BUSHING FOR ROCKER ARM	1	pc	115,000 g		
30	X52405200015	THRUST MEMBER FOR ROCKER ARM	1	pc	75,000 g		
40	X52499100259	ADJUSTING SCREW FOR ROCKER ARM	1	pc	71,000 g		
50	000000000403	NUT ADEC	1	pc	17,000 g	M 16 X 1,5	ISO8675



05500395a

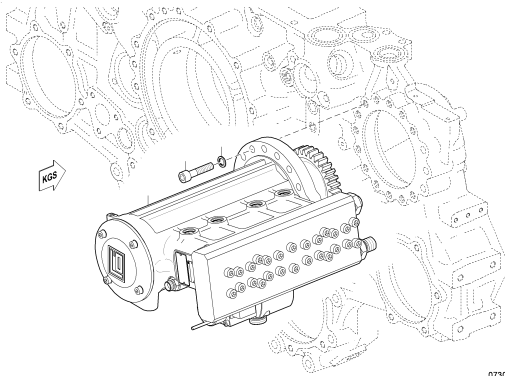
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	X52405500130	CYLINDER HEAD COVER	12	pc	2,400 kg		
20	700429253000	O-RING	12	pc	22,000 g	253 X 4	MMN429
40	000931010332	BOLT HEX	24	pc	100,000 g	M 10 X150	DIN931
50	000125010524	WASHER	8	pc	3,100 g	A 10,5	DIN125

GROUP SEGMENT (FGS)
GROUP NAME
BOM-No.



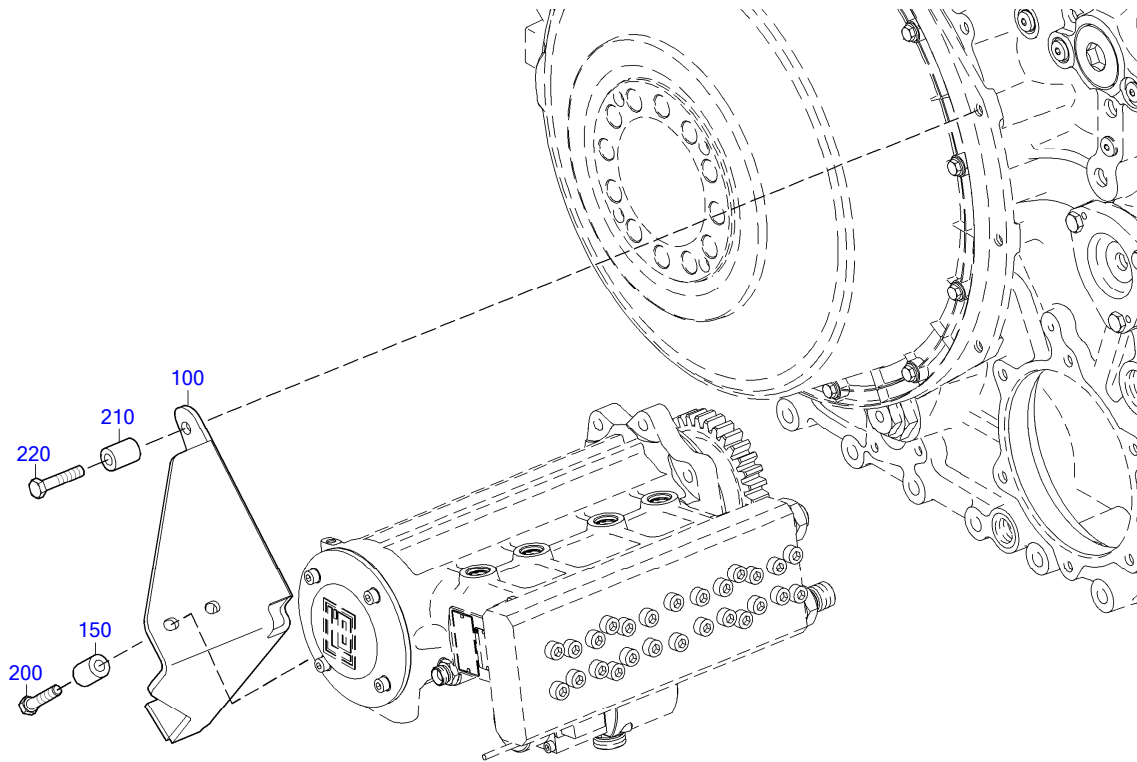
05
RETAINER FOR HP PUMP
X00024247

07300542a



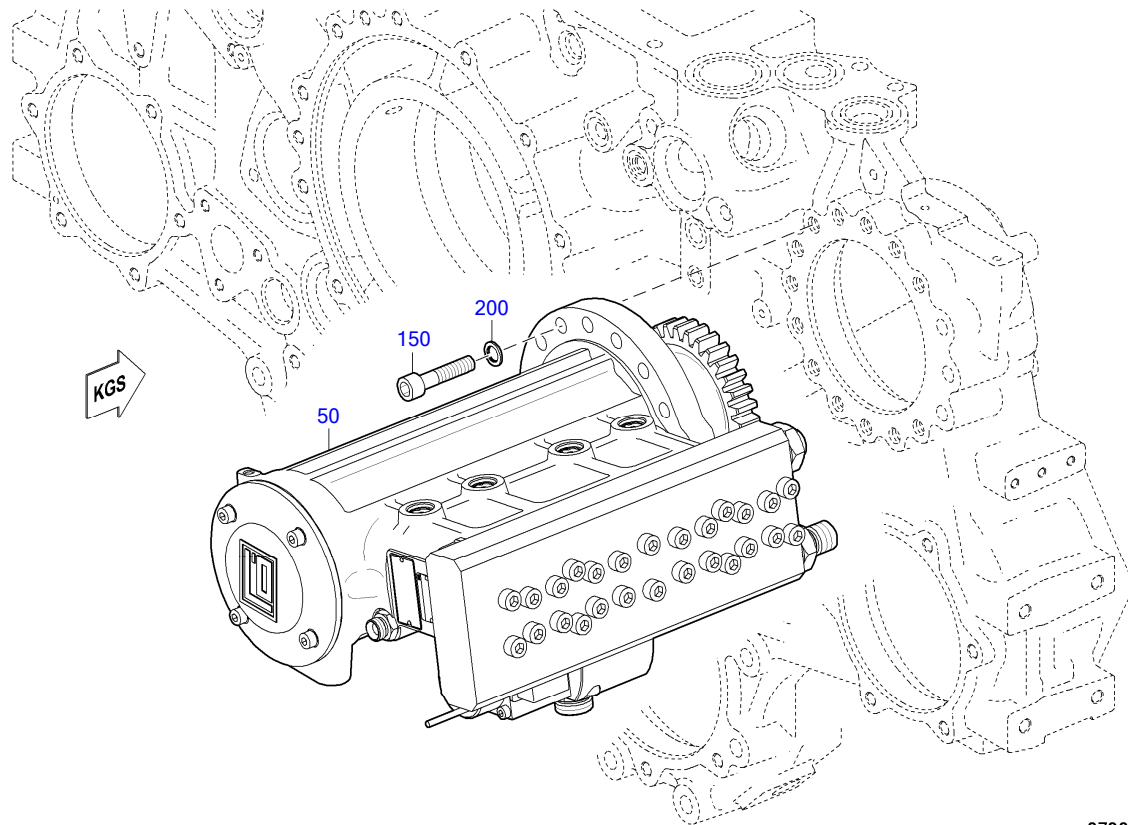
05
HP PUMP W/O ACCEPT CERTIFIC
XS527070.00014

07300579a



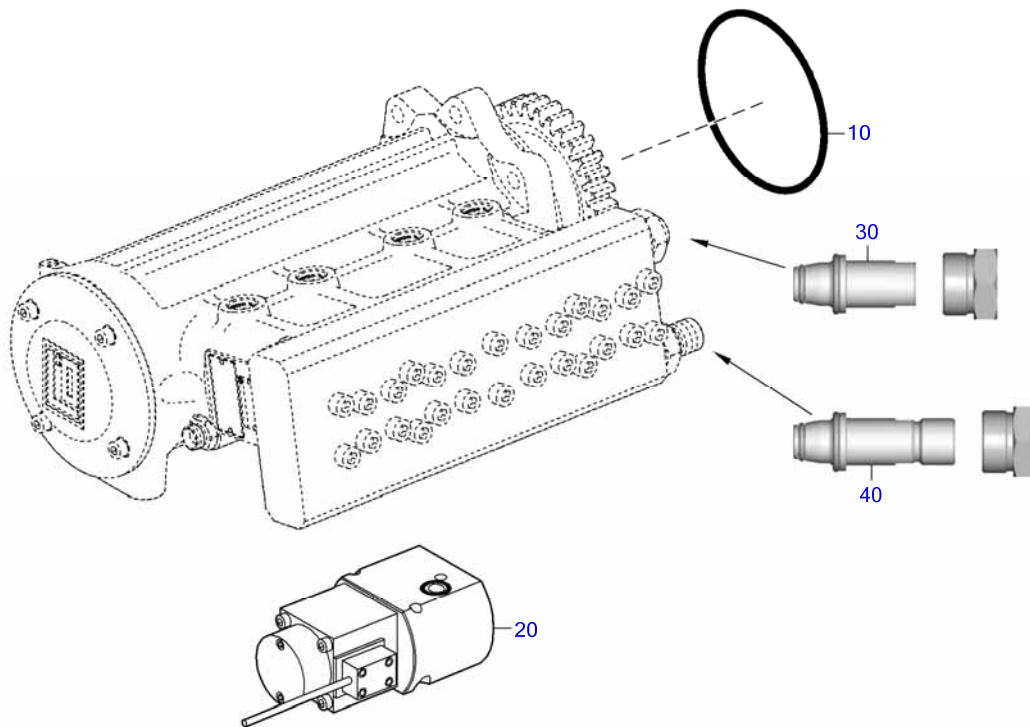
07300542a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
100	X59407300002	BRACKET FOR HP PUMP	1	pc	4,212 kg		
150	28200750053/0	SPACER BUSHING	2	pc	66,000 g		
200	000933010095	BOLT HEX	2	pc	36,100 g	M 10 X 50	DIN933
210	X59499100026	SPACER SLEEVE	3	pc	78,900 g		
220	000933012038	BOLT HEX	3	pc	64,100 g	M 12 X 65	DIN933



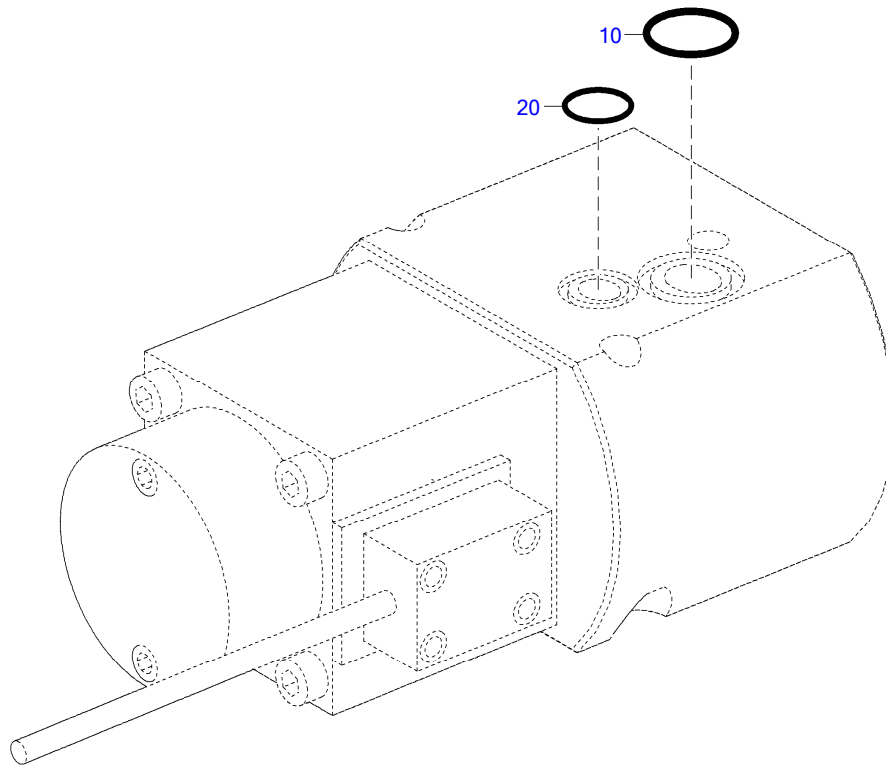
07300579a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
50	X59507300003	HP PUMP	1	pc	80,000 kg	EM		
150	000912012093	SCREW	16	pc	59,100 g		M 12 X 55	DIN912
200	200433013001	WASHER	16	pc	2,600 g		13	DIN433



07300866

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	700429130003	O-RING		1	pc	18,000 g	130 X 5	MMN429
20	XP52707300006	CONTROL BLOCK		1	pc	5,240 kg		
30	XP52800600004	SPARE PARTS KIT	L#O: PCO-U264; OHNE GEWINDE	1	pc	0,335 kg		
40	XP52800600005	SPARE PARTS KIT	PCO-U265 MIT GEWINDE	1	pc	295,000 g		



07300828

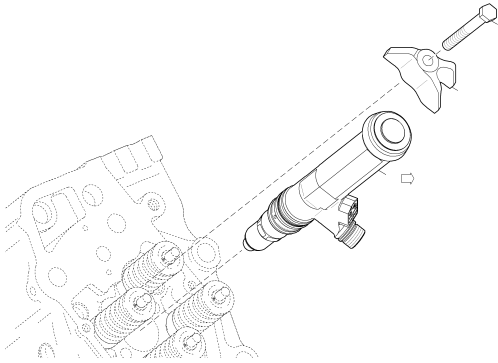
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT
10	XP52807300004	O-RING	1	pc	2,000 g	
20	XP52707300011	O-RING	1	pc	2,000 g	10X2 MM

GROUP SEGMENT (FGS)

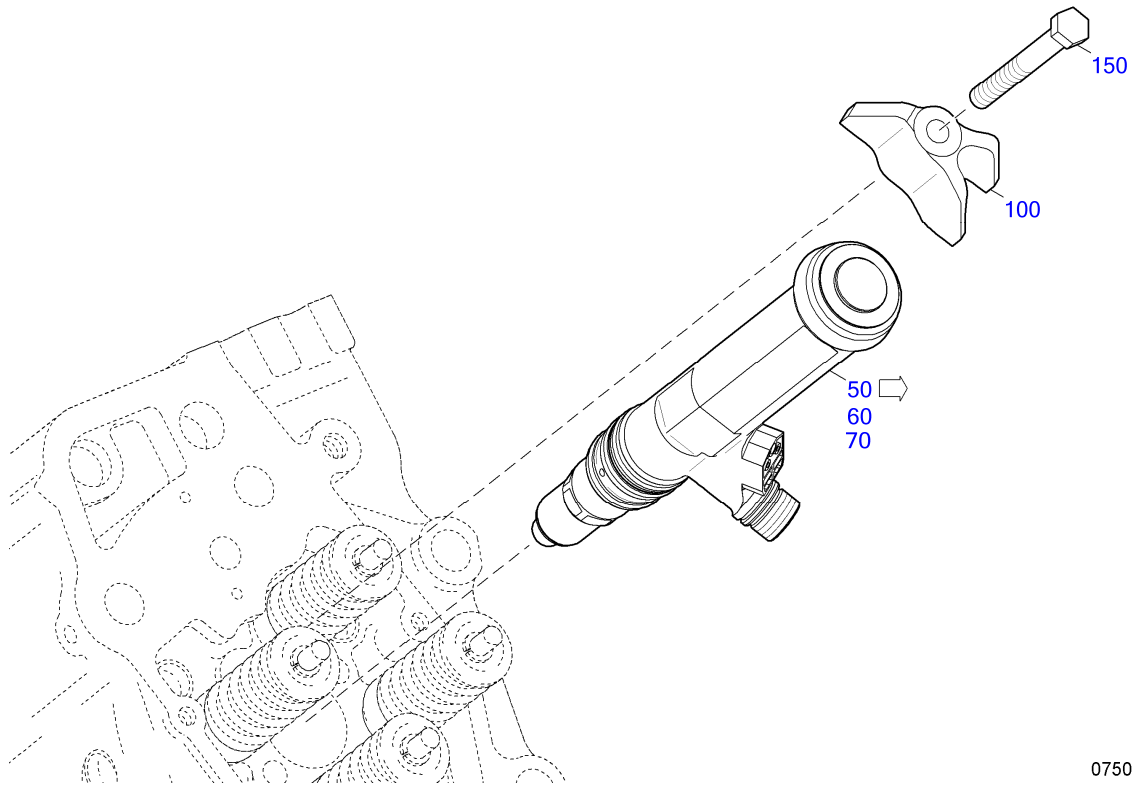
GROUP NAME

BOM-No.

05
INJECTOR
XS526070.00001

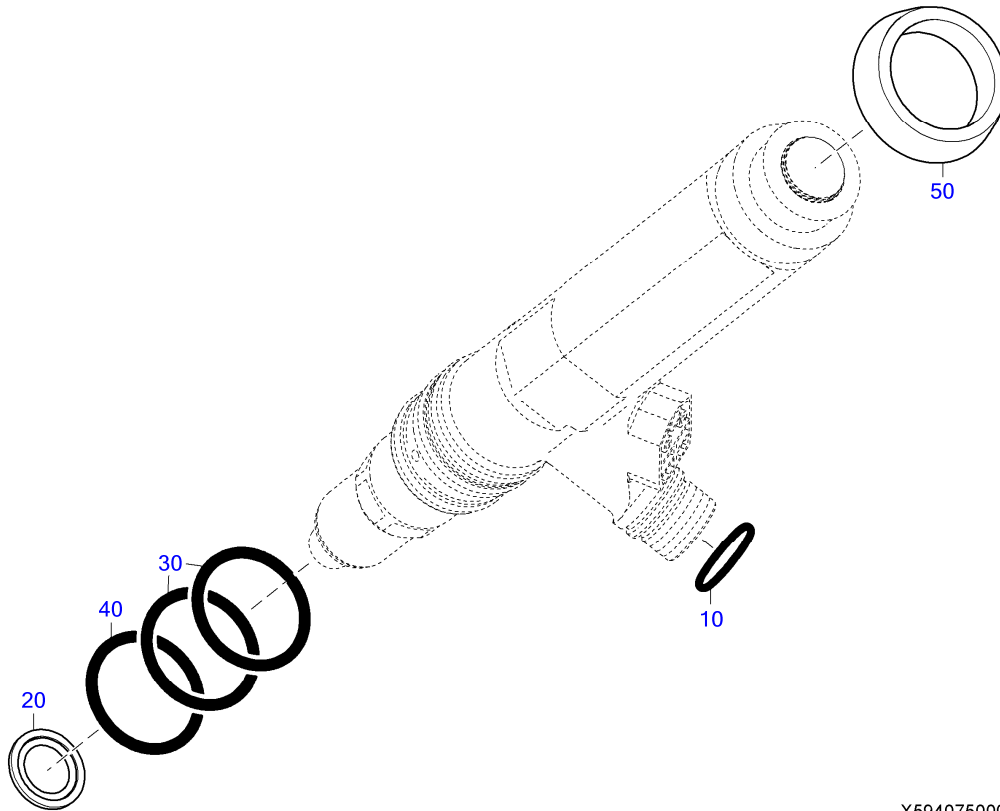


07500383



07500383

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT
50		INJECTOR	12	pc	3,500 kg	EM	
60	EX59407500020	INJECTOR	12	pc	3,500 kg	EM	
70	RX59407500020	INJECTOR	12	pc	3,500 kg	EM	
100	5240780535	CLAMP INJECTOR HOLD-DOWN	12	pc	355,000 g		
150	5249902101	BOLT PHOS CTD DIN EN24017	12	pc	87,000 g		M12X100



X59407500020_001_01_075

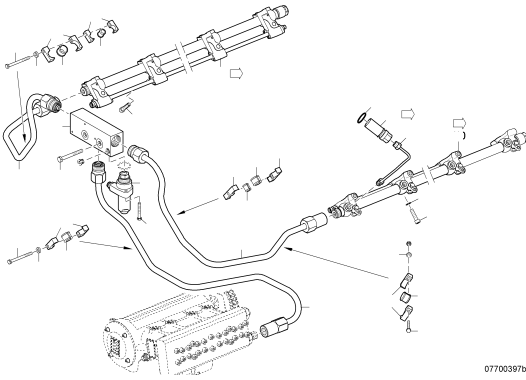
POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
10	700429021001	O-RING		1	pc	0,500 g		21 X 2	MMN429
20	0000160119	SEALING RING		1	pc	5,100 g	EM		
30	700429038003	O-RING		2	pc	3,000 g		38,5 X 3,7	MMN429
40	XP59307500002	O-RING	FKM SHOREHÄRTE 70 GRÜN	1	pc	2,600 g		36,0+/-0,4X3,6+/-0,11	
50	X00009196	DAMPER RING FOR INJECTOR	BR2000 CR	1	pc	0,033 kg			

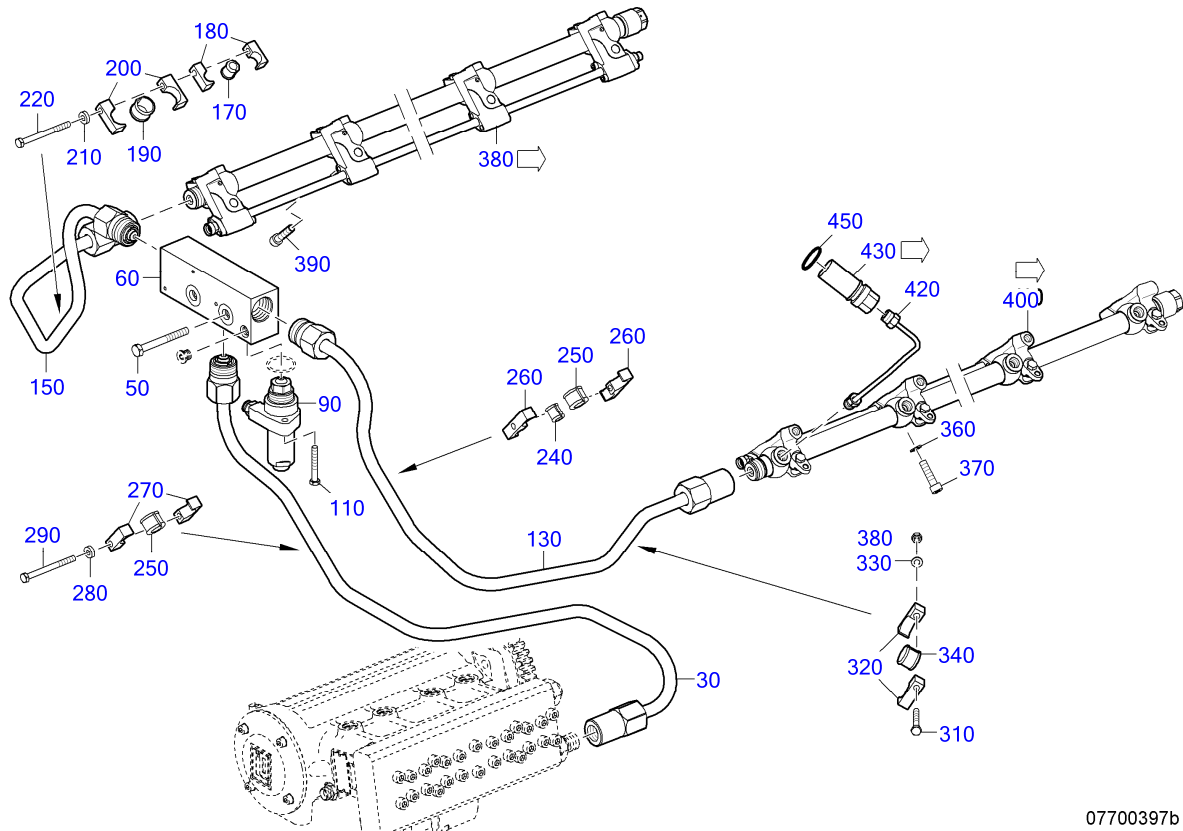
GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

10
HP LINE FOR 12V
XS526070.00007





07700397b

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
30	X52607700010	HP FUEL LINE SINGLE-WALL	1	pc	3,199 kg	EM		
50	000931010122	BOLT HEX	2	pc	53,200 g		M 10 X 75	DIN931
60	X59407800002	BLOCK FUEL DISTRIBUTOR SINGLE WALL-03	1	pc	5,100 kg	EM		
90	X00034966	PRESS RELIEF VALVE FOR 12V	1	pc	1,545 kg	EM		
110	304017008091	BOLT HEX ZNPH R5F	2	pc	22,500 g		M 8 X 55	ISO4017
130	X00027842	HP FUEL LINE SINGLE-WALL LEFT	1	pc	2,827 kg	EM		
150	5240702133	HP FUEL LINE SINGLE-WALL	1	pc	2,482 kg	AB EM		
170	700327012000	GROMMET	1	pc	4,600 g		12	MMN327
180	700325018100	CLAMP HALF TUBE 1/1 D9-18	2	pc	40,000 g		1/1 D 9 - 18	MMN325
190	X00008172	GROMMET	1	pc	9,400 g		30 X 22	
200	700325028100	CLAMP HALF TUBE 1/1 D9-28	2	pc	55,000 g		1/1 D 9 - 28	MMN325
210	007349008002	WASHER	1	pc	8,300 g		8,4	DIN7349
220	000000001463	BOLT HEX A3C	1	pc	30,500 g		M 8 X 80	ISO4017
240	700327012000	GROMMET	1	pc	4,600 g		12	MMN327
250	X00008172	GROMMET	2	pc	9,400 g		30 X 22	
260	5809951468	CLAMP HALF TUBE	2	pc	82,000 g			
270	700325028100	CLAMP HALF TUBE 1/1 D9-28	2	pc	55,000 g		1/1 D 9 - 28	MMN325
280	007349008002	WASHER	1	pc	8,300 g		8,4	DIN7349
290	000000003496	BOLT HEX A3C	1	pc	38,200 g		M 8 X 90	ISO4014
310	000000004164	BOLT	2	pc	23,500 g		M 8 X 60	ISO4017
320	X59399100007	CLAMP HALF TUBE 56 XC 21X16	4	pc	82,000 g			
330	007349008002	WASHER	2	pc	8,300 g		8,4	DIN7349
340	X59399100033	GROMMET	2	pc	15,000 g			
360	200433010500	WASHER	12	pc	1,900 g		10,5	DIN433
370	000912010014	BOLT HEX SOC HD	6	pc	31,500 g		M 10 X 40	DIN912

EQUI TYPE: Engine

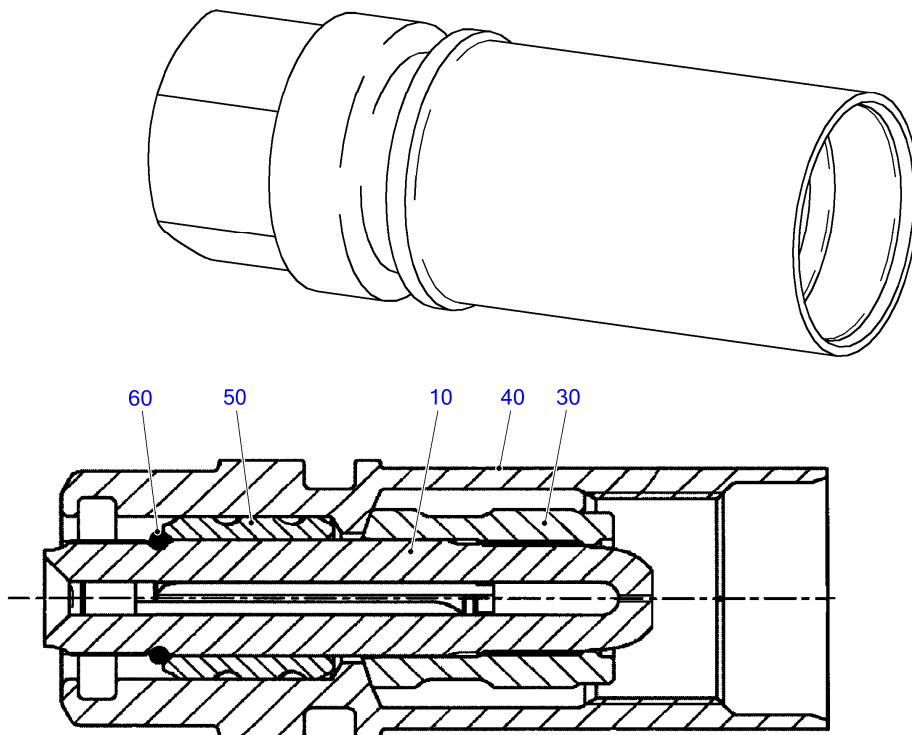
PRODUCT TYPE: 12V4000G23R
HP LINE FOR 12V

SERIAL NUMBER: 526108120

FG/FGS: 077 10

BOM-No.: XS526070.00007

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
380	X00028860	RAIL FUEL HIGH PRESS SGL WALL A-BANK C23	1	pc	11,000 kg	EM		
390	000912010014	BOLT HEX SOC HD		pc	31,500 g		M 10 X 40	DIN912
400	X00028861	RAIL FUEL HIGH PRESS SGL WALL B-BANK C23	1	pc	19,000 kg	EM		
420	X59407700002	TUBE FUEL SINGLE WALL-03 GENSET C23	12	pc	120,000 g	EM		
430	X52407700014	ADAPTER	12	pc	345,000 g	EM		
450	700429024000	O-RING	12	pc	3,900 g		24 X 5	MMN429
	000912010057	SCREW	6	pc	35,600 g		M 10 X 45	DIN912



X52407700014_001_01_077

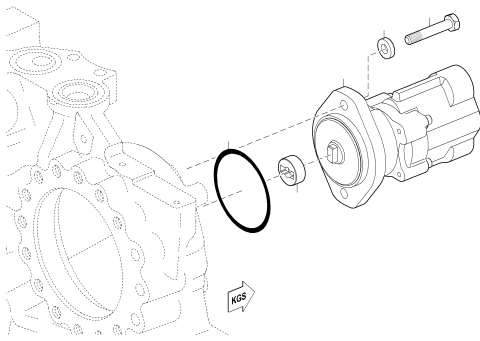
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT
10	XP52707700024	ADAPTER	1	pc		EM	M14X1 LH / M14X1,5
30	XP52707700018	THRUST RING	1	pc			22X29.5
40	XP52707700017	UNION NUT	1	pc			34X90
50	XP52707700022	CENTERING RING	1	pc			20H9X20
60	XP52707700015	O-RING	1	pc	1,000 g		12X2

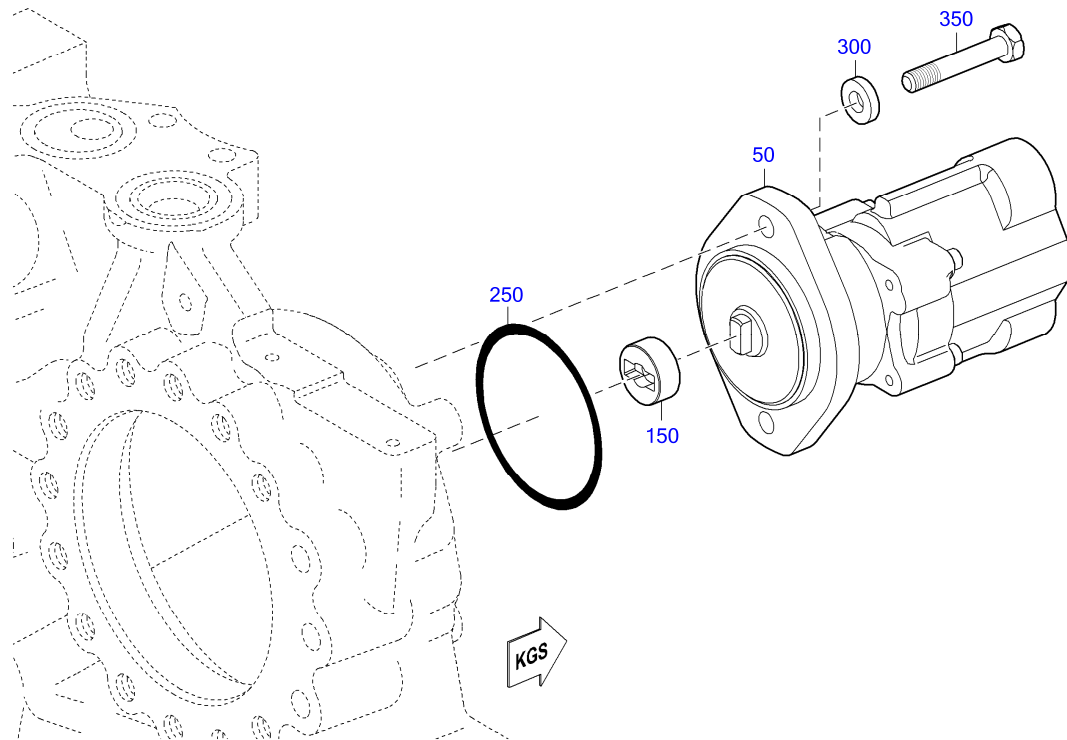
GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

10
FUEL PUMP LOW PRESSURE
XS593080.00020





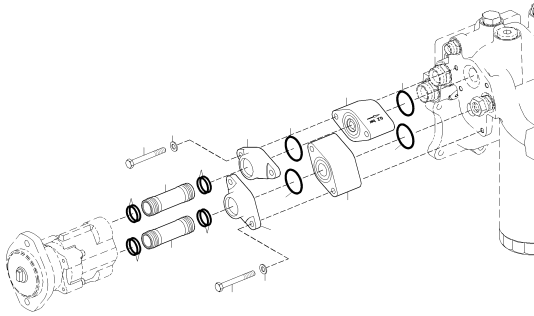
08100243a

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
50	X52808100004	FUEL DELIVERY PUMP	20V 4000	1	pc	5,100 kg	EM		
150	X52408100007	LINK		1	pc	54,000 g			
250	700429083000	O-RING		1	pc	11,700 g		83 X 5	MMN429
300	735151010200	SPACER S2000/4000		1	pc	22,100 g	MN	B 10,5	MTN5151
350	304017010036	HEX SCREW		1	pc	30,000 g		M 10 X 40	ISO4017

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.



05
LP LINE FOR FUEL SYSTEM
XS595080.00018

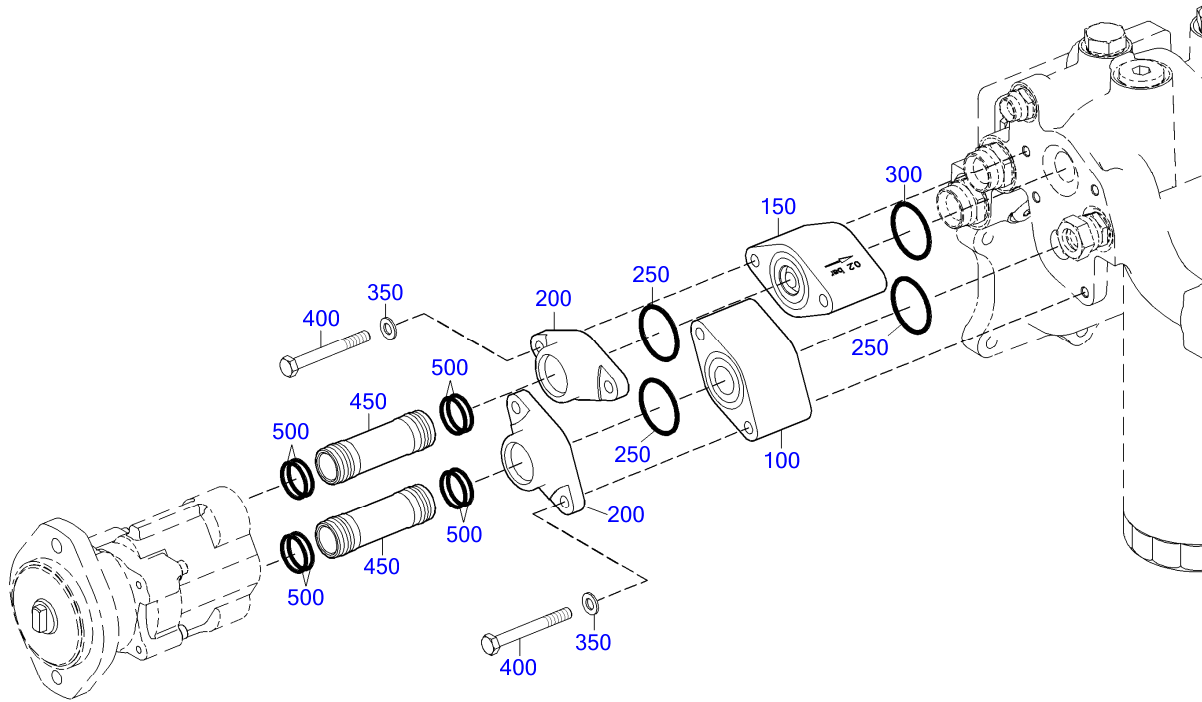
08100036c

EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
LP LINE FOR FUEL SYSTEM

SERIAL NUMBER: 526108120

FG/FGS: 082 05
BOM-No.: XS595080.00018



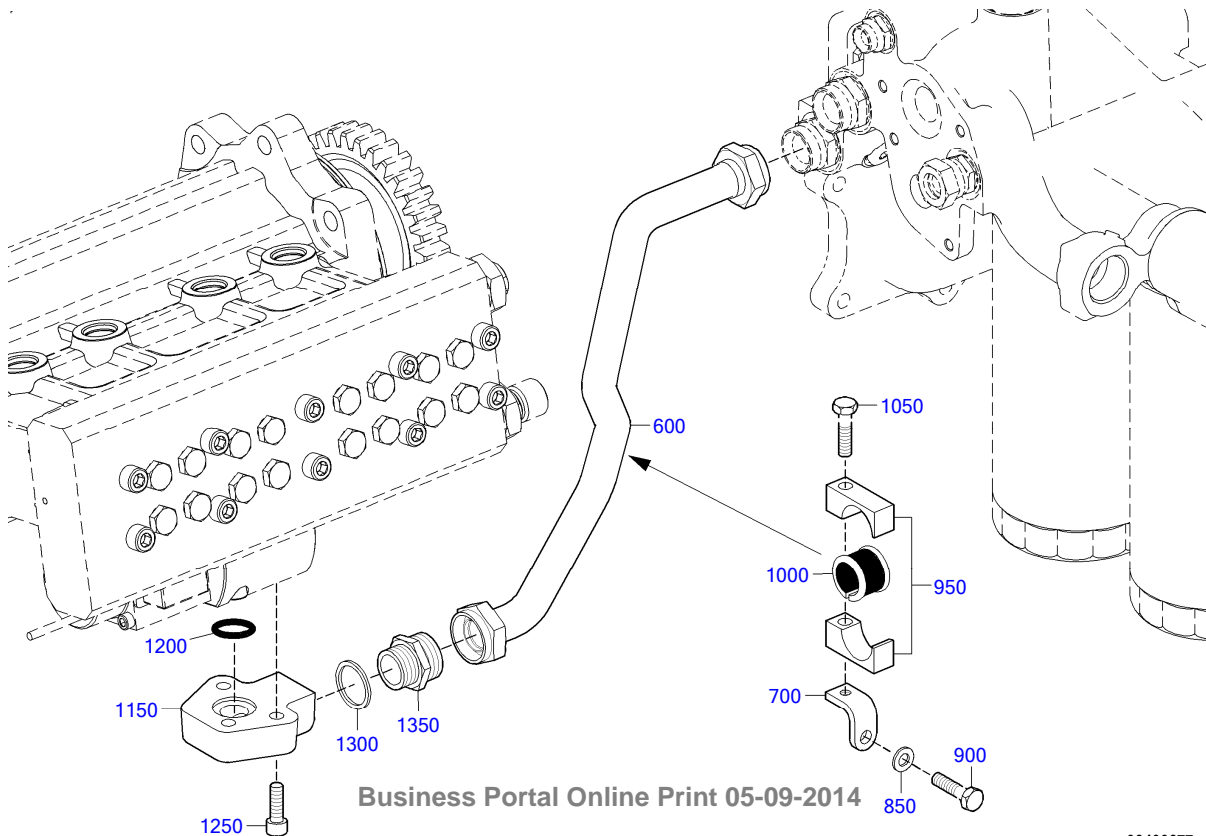
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EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
LP LINE FOR FUEL SYSTEM

SERIAL NUMBER: 526108120

FG/FGS: 082 05
BOM-No.: XS595080.00018



Business Portal Online Print 05-09-2014

08400877a

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
100	5240910145	FLANGE	BR 4000	1	pc	350,000 g			
150	0009976687	VALVE FUEL CHECK 0.2 BAR		1	pc	410,000 g			
200	5240910189	FLANGE		2	pc	124,700 g			
250	700429037002	O-RING		3	pc	1,900 g		37 X 3	MMN429
300	700429042001	O-RING		1	pc	2,100 g		42 X 3	MMN429
350	000125008427	WASHER		4	pc	1,500 g		A 8,4	DIN125
400	304014008029	BOLT		4	pc	31,000 g		M 8 X 70	ISO4014
450	5240983253	TUBE FUEL CONN	BR 4000	2	pc	140,000 g			
500	700429024001	O-RING		8	pc	0,800 g		24 X 2,5	MMN429
600	X59508400004	FUEL LINE		1	pc	596,700 g	SB EM		
700	X59399100023	BRACKET	JA	1	pc	81,300 g			
850	007349008002	WASHER		1	pc	8,300 g		8,4	DIN7349
900	304017008081	HEX BOLT		1	pc	13,400 g		M 8 X 25	ISO4017
950	700325028100	CLAMP HALF TUBE 1/1 D9-28		2	pc	55,000 g		1/1 D 9 - 28	MMN325
1000	700327022000	GROMMET		1	pc	9,000 g		22	MMN327
1050	304017008086	BOLT HEX A3C		1	pc	19,400 g		M 8 X 45	ISO4017
1150	X00032042	CONNECTING PIECE		1	pc	559,400 g	SB		
1200	700429020003	O-RING		1	pc	2,100 g		20 X 4	MMN429
1250	000912008014	SOCKET HD. S		3	pc	14,300 g		M 8 X 25	DIN912
1300	007603026104	COPPER SEALING RING		1	pc	3,100 g		A 26 X 31	DIN7603
1350	915013020002	SCREW NECK		1	pc	66,700 g		20 (M30X1,5/M26X1,5)	N15013

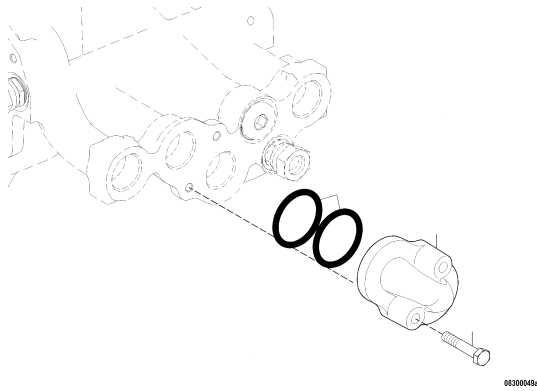
FUEL FILTER

FG/FGS: 083

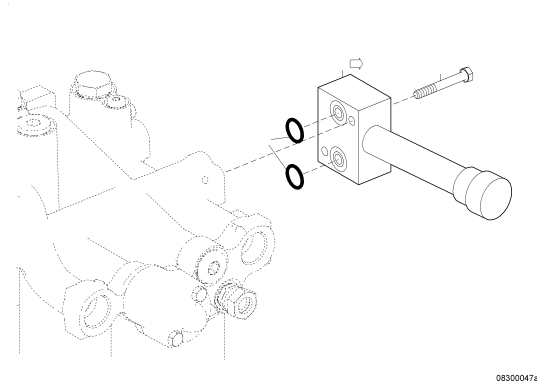
GROUP SEGMENT (FGS)

GROUP NAME

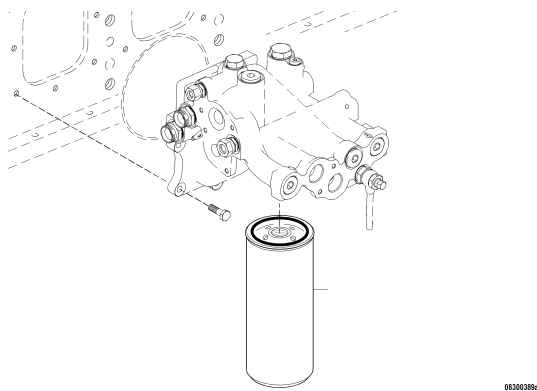
BOM-No.



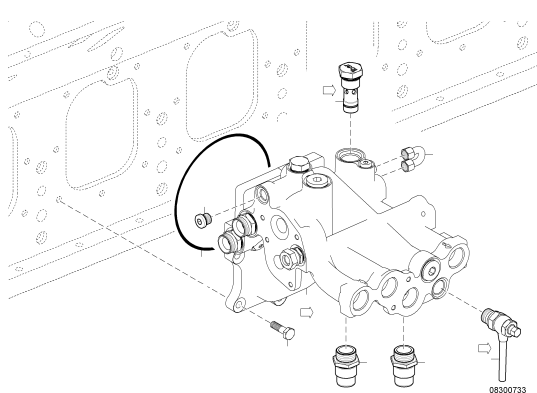
05
SEAL ELEM.
080.00094



05
FUEL PRIMING PUMP
080.00095



05
EASY-CHANGE FILTER
XS526080.00007



05
FILTER HEAD
XS594080.00002

GROUP SEGMENT (FGS)

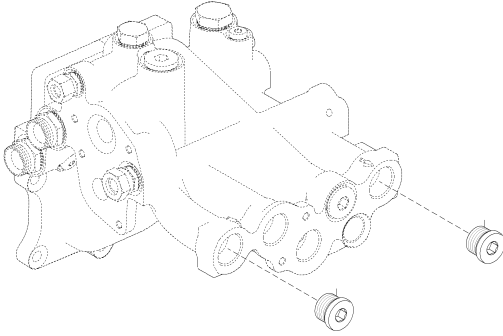
GROUP NAME

BOM-No.

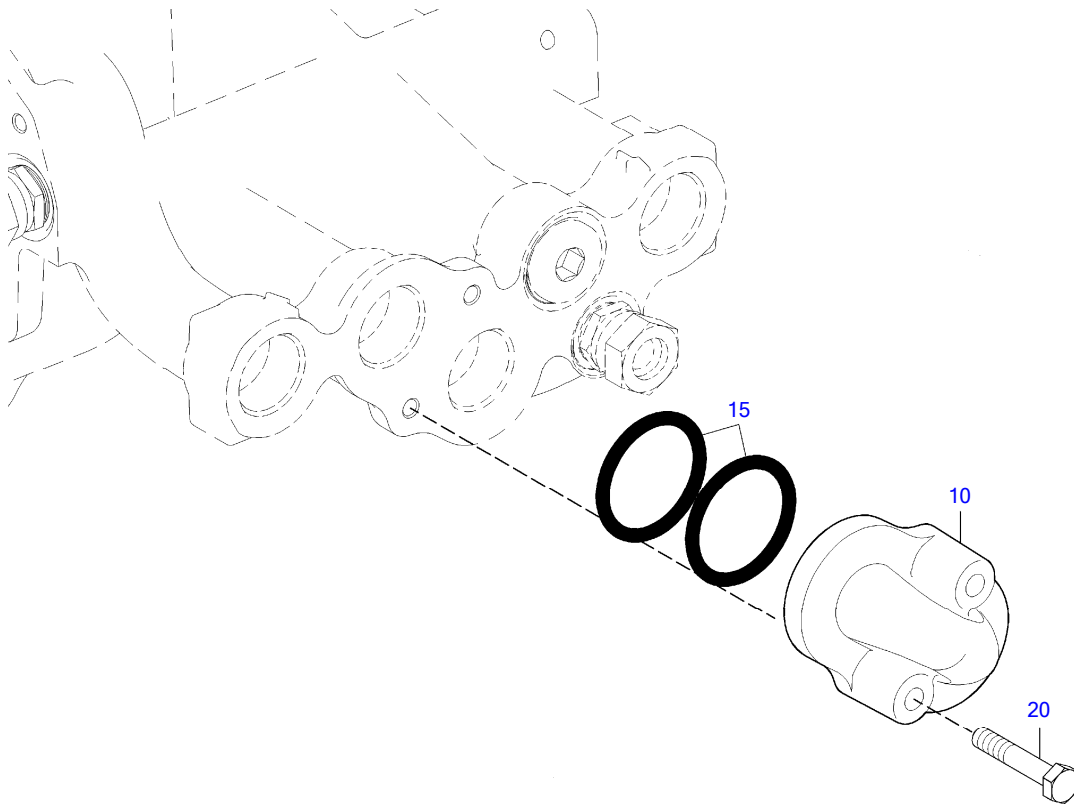
05

SEALING ELEMENT F:FUEL FILTER HEAD

XS594080.00117

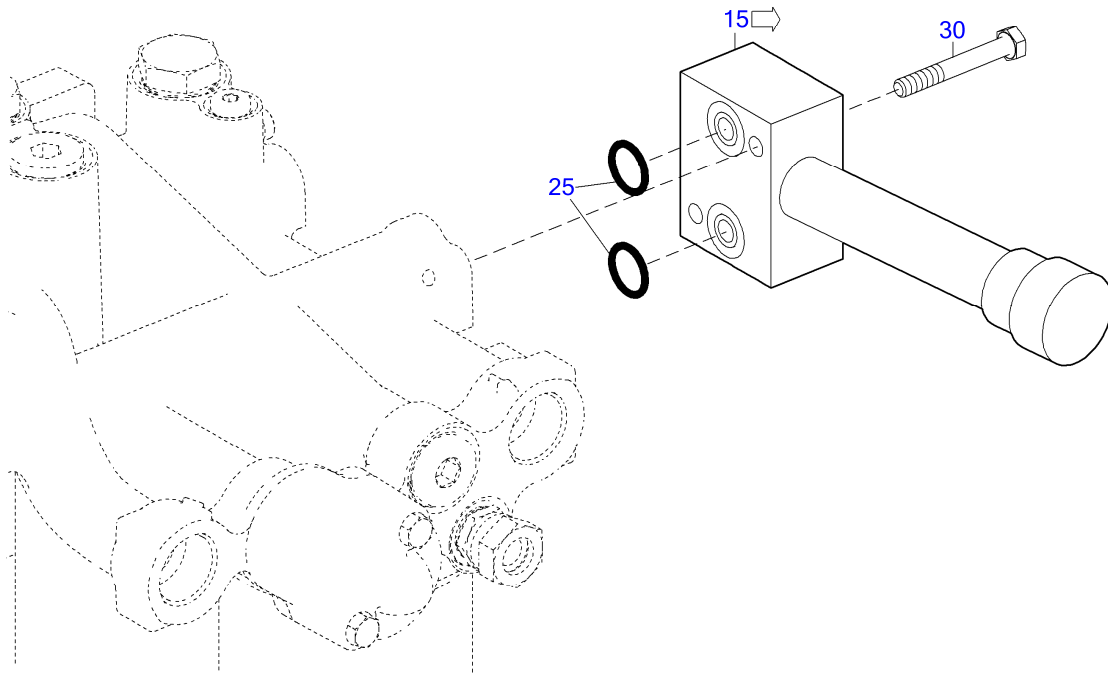


08300805



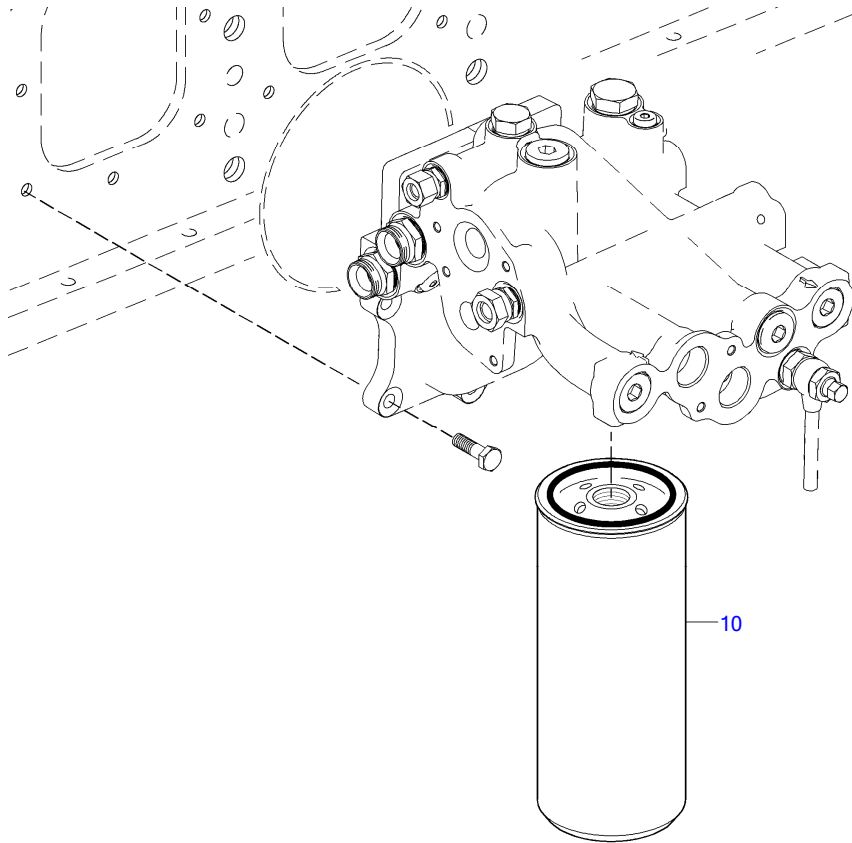
08300049a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	5240920024	ELBOW FOR FUEL	1	pc	665,000 g		
15	700429042000	O-RING	2	pc	6,200 g	42 X 5	MMN429
20	304017008086	BOLT HEX A3C	2	pc	19,400 g	M 8 X 45	ISO4017



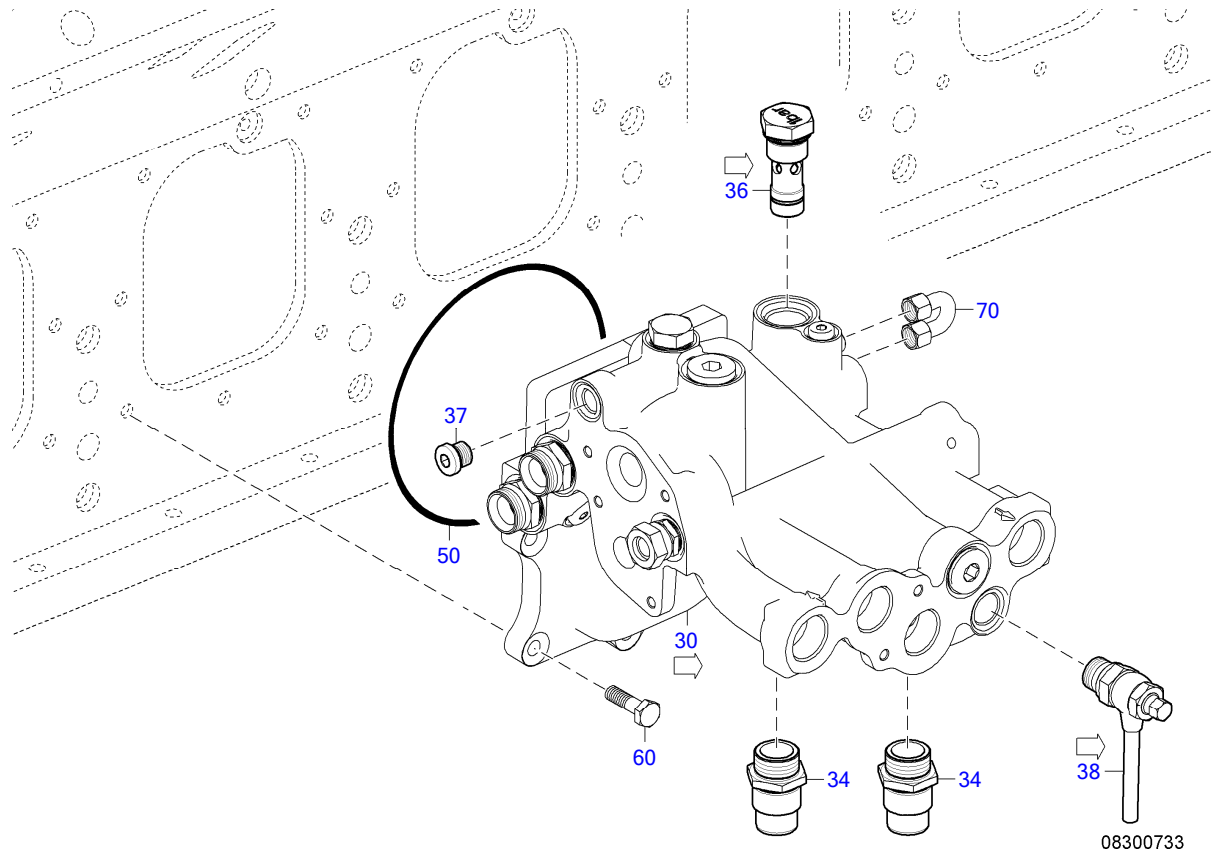
08300047a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
15	X52408300025	HAND PUMP FOR FUEL	1	pc	1,600 kg		
25	700429016003	O-RING	2	pc	1,000 g	16 X 3	MMN429
30	304017008087	BOLT HEX	2	pc	21,000 g	M 8 X 50	ISO4017



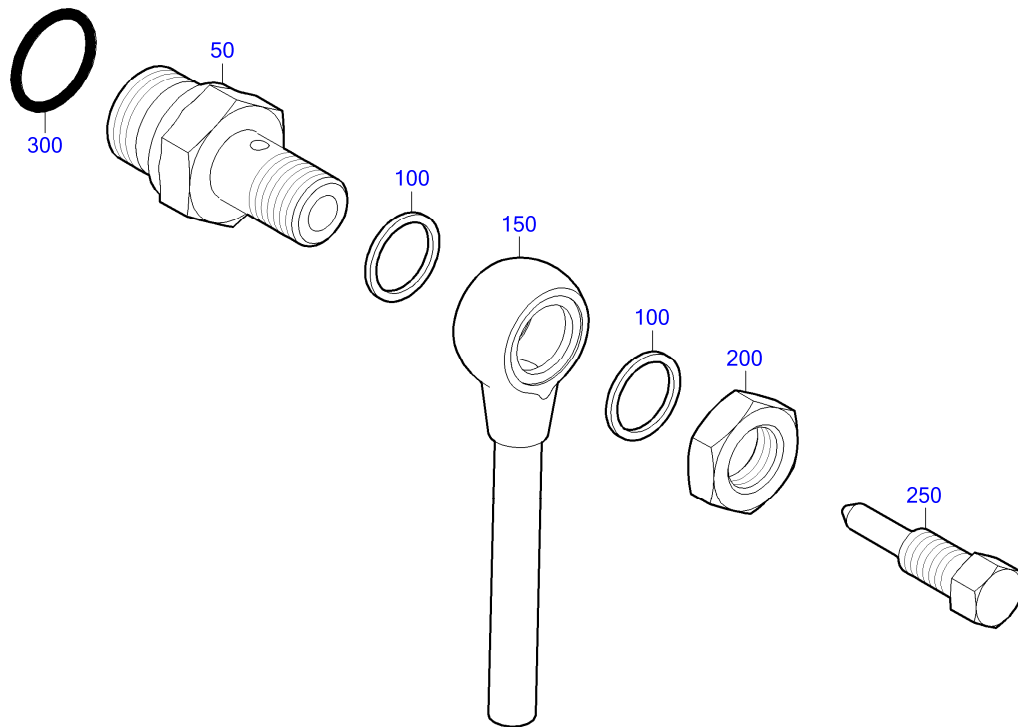
08300389a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
10	X00042421	FUEL FILTER SPIN-ON	2	pc	1,377 kg



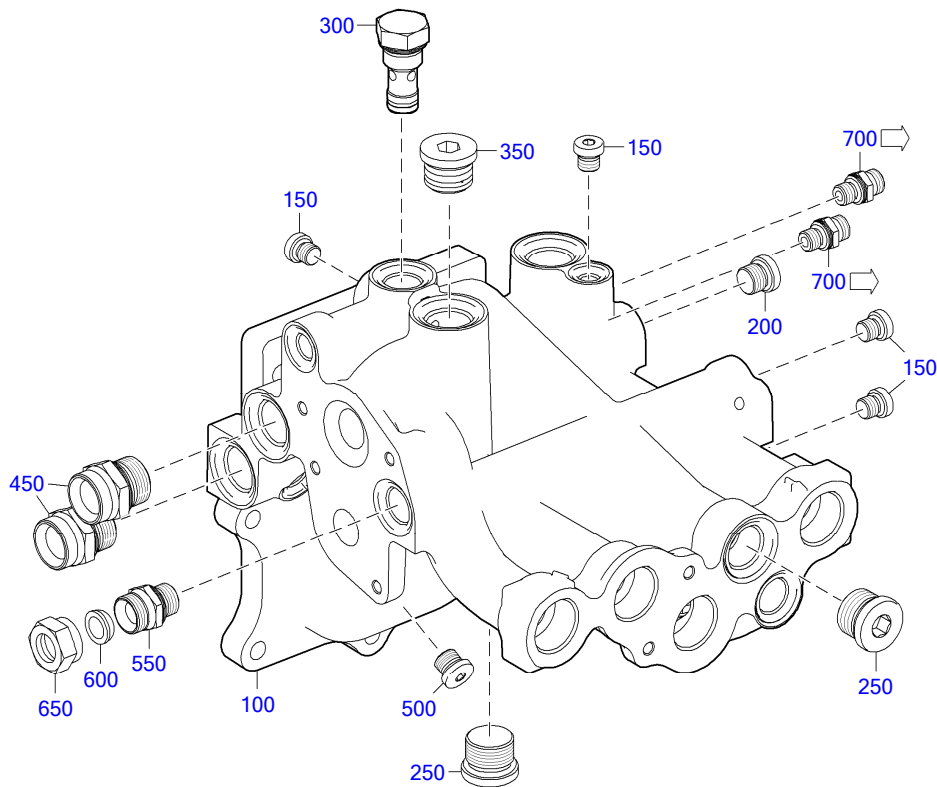
08300733

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
30	X59308300052	FILTER HEAD		1	pc	20,000 kg			
34	0009902164	THREADED NIPPLE		2	pc	151,400 g		M30X 1,5 / M32 X1,5	
36	X52408300001	VALVE		1	pc	212,000 g	UB	1 BAR	
37	735210016000	PLUG		1	pc	0,024 kg		M 16 X 1,5	MTN5210
38	X00022185	SAMPLING NECK		1	pc	226,400 g			
50	700429180000	O-RING		1	pc	17,000 g		180 X 4	MMN429
60	000000003326	HEX SCREW		7	pc	27,400 g		M 10 X 35	ISO4017
70	5280700632	FUEL LINE	20V4000LH	1	pc	55,300 g	SB		



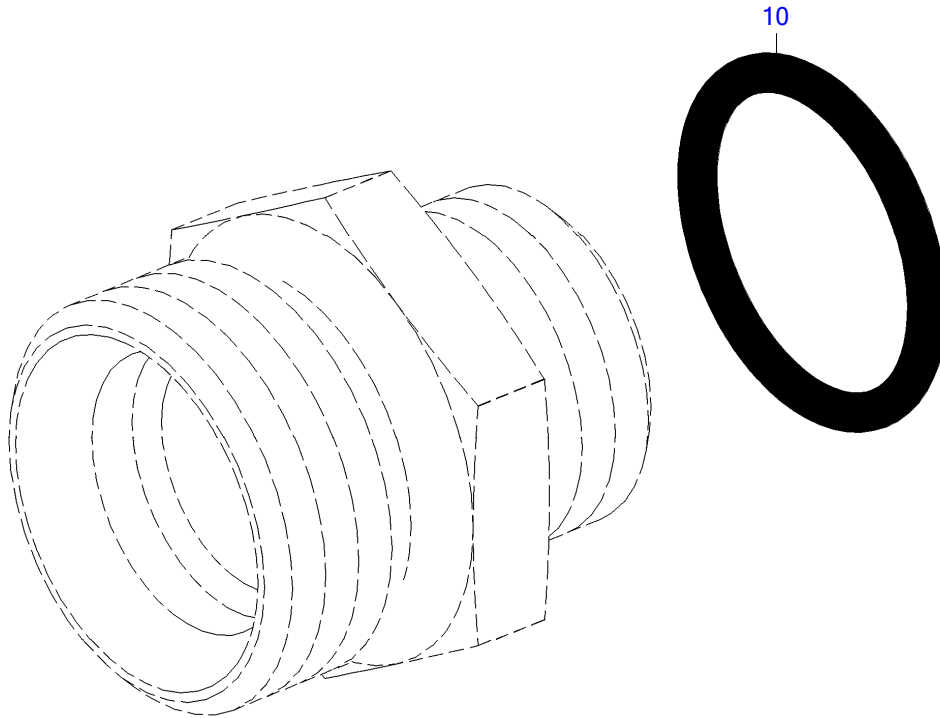
08300352a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
50	5249973172	FITTING	1	pc	115,600 g			
100	007603016105	COPPER SEALING RING	2	pc	3,000 g		A 16 X 20	DIN7603
150	5840700280	TUBE VENT W/BANJO FTG 8MM X 10MM X 90	1	pc	66,000 g	SB		
200	000439016200	NUT M16 04-2 DIN439	1	pc	20,000 g		B M 16	DIN439
250	5849900615	BOLT SPL M10 1.00X40 TO M6 0.2 8.8	1	pc	20,000 g			
300	5319970545	SEALING RING	1	pc	0,600 g		19,30 X 2,20	



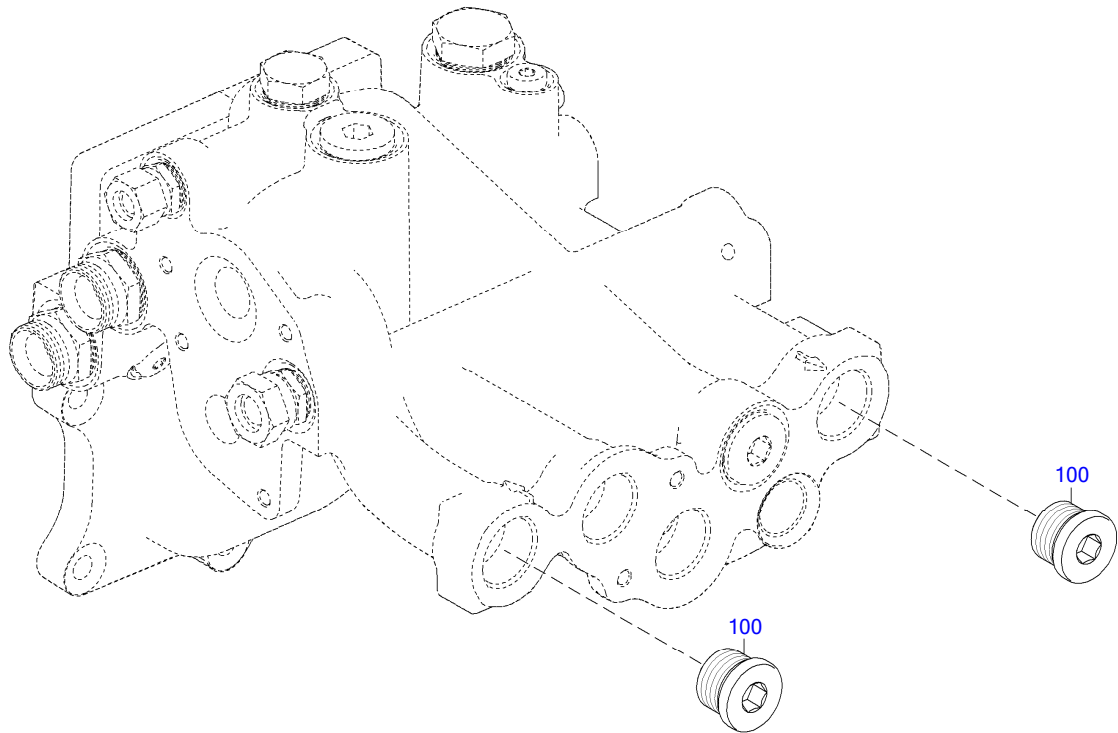
08300732

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
100	X59308300019	FILTER HEAD	1	pc	25,297 kg			
150	735210012000	PLUG	4	pc	0,012 kg		M 12 X 1,5	MTN5210
200	735210016000	PLUG	1	pc	0,024 kg		M 16 X 1,5	MTN5210
250	735210027000	PLUG	2	pc	0,089 kg		M 27 X 2	MTN5210
300	5244700207	VALVE	1	pc	130,000 g		0,5 BAR	
350	5240920012	RESTRICTOR	1	pc	75,800 g			
450	735211022000	UNION THD O-RING	2	pc	0,092 kg		22M 27 X 2	MTN5211
500	735210014000	THREAD PLUG	1	pc	0,019 kg		M 14 X 1,5	MTN5210
550	735211015002	UNION	1	pc	0,065 kg		15M 22 X 1,5	MTN5211
600	915005013004	CONE SEALING 15	1	pc	9,300 g		15	MBN15005
650	915001013003	UNION NUT M1	1	pc	30,400 g		13 M 22 X 1,5	N15001
700	735211008000	UNION	2	pc	0,024 kg	P	8M 12 X 1,5	MTN5211



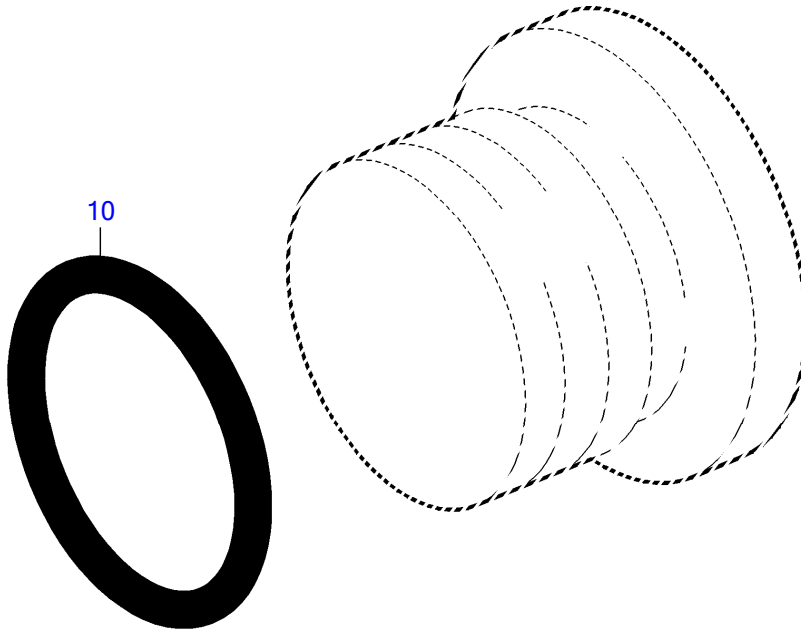
08600232a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	735221009000	O-RING	1	pc	0,100 g	9,3 X 2,2 - M12X1,5	MTN5221



08300805

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
100	735210033000	PLUG	2	pc	0,142 kg	M 33 X 2	MTN5210



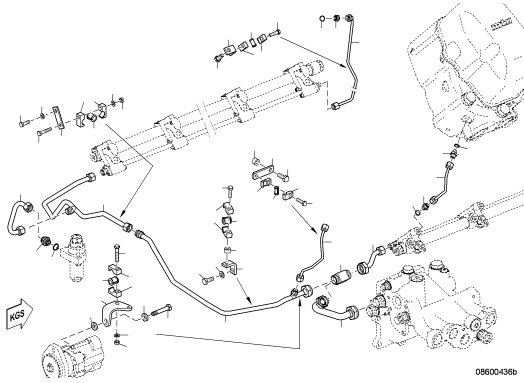
E0005821a0

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	735221029000	O-RING	1	pc	1,000 g	29,6 X 2,9 - M33X2	MTN5221

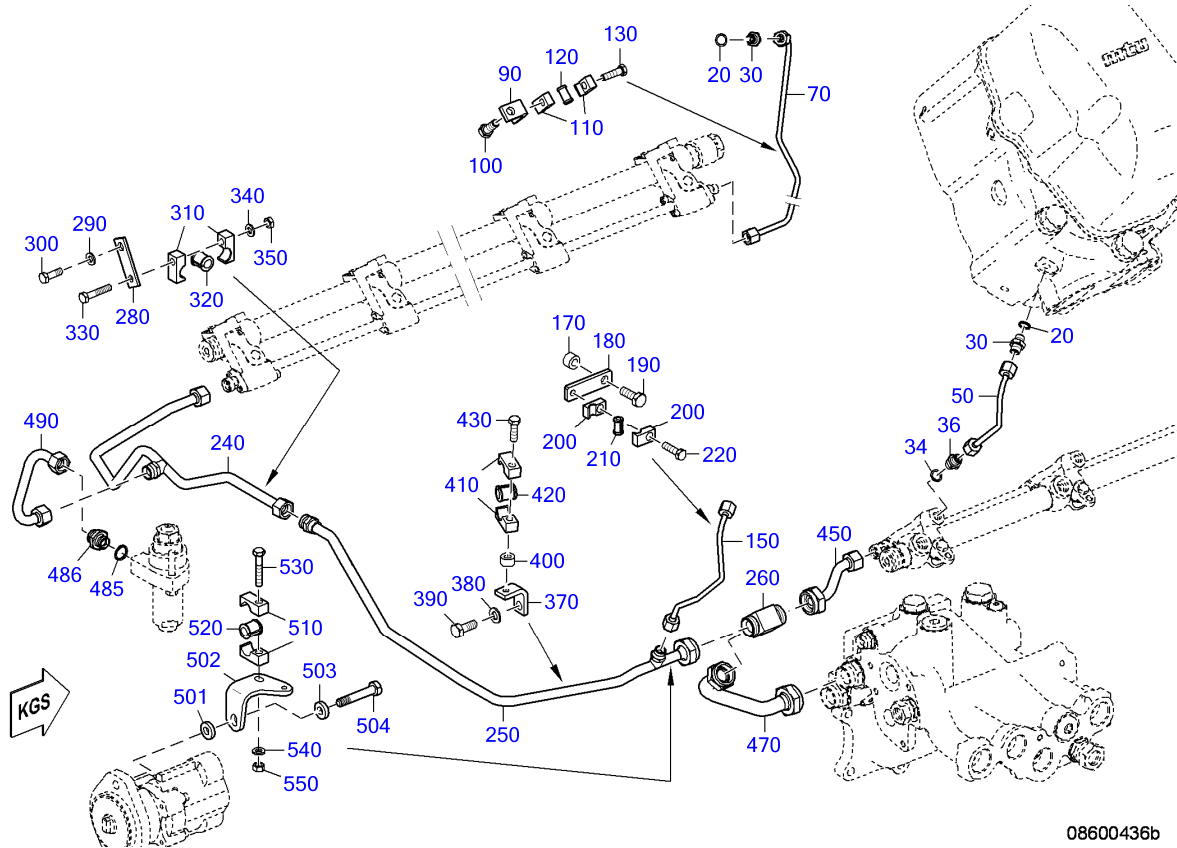
GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.



05
FUEL RETURN
XS594080.00030



08600436b

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
20	007603012111	COPPER SEALING RING	12	pc	0,700 g		A 12 X 15,5	DIN7603
30	915006004002	UNION	12	pc	19,000 g		4	N15006
34	007603012111	COPPER SEALING RING	10	pc	0,700 g		A 12 X 15,5	DIN7603
36	915006004002	UNION	10	pc	19,000 g		4	N15006
50	X00034974	TUBE FUEL LOW PRESSURE RETURN	10	pc	62,500 g	SB		
70	X00004215	TUBE FUEL RETURN LOW PRESSURE B-BANK	1	pc	90,000 g	SB		
90	5551870640	BRACKET L H:51 S2000/4000	1	pc	54,900 g	SB		
100	000000003020	BOLT HEX A3C	1	pc	19,800 g		M 10 X 20	ISO4017
110	700325010100	CLAMP HALF TUBE	2	pc	25,000 g		1/1 D 9 - 10	MMN325
120	700327006000	GROMMET	1	pc	1,400 g		6	MMN327
130	304017008083	BOLT HEX A3C	1	pc	15,100 g		M 8 X 30	ISO4017
150	X00040965	TUBE FUEL RETURN LOW PRESSURE A-BANK	1	pc	70,000 g	SB		
170	5511531550	SPACER BUSHING	1	pc	16,200 g			
180	135M55009/1	STRAP 75 X20	1	pc	62,100 g			
190	000000001464	BOLT HEX A3C	1	pc	24,900 g		M 10 X 30	ISO4017
200	700325010100	CLAMP HALF TUBE	2	pc	25,000 g		1/1 D 9 - 10	MMN325
210	700327006000	GROMMET	1	pc	1,400 g		6	MMN327
220	304017008083	BOLT HEX A3C	1	pc	15,100 g		M 8 X 30	ISO4017
240	X59508200010	FUEL LINE	1	pc	270,000 g	SB EM		
250	X59408200003	TUBE FUEL RETURN CR/OVER 667.464	1	pc	298,600 g			
260	5569970274	FITTING TEE	1	pc	190,000 g		DN 16 / M26X1,5	
280	5500784541	BRACKET FLAT H:06	1	pc	36,000 g			
290	007349008002	WASHER	1	pc	8,300 g		8,4	DIN7349
300	304017008081	HEX BOLT	1	pc	13,400 g		M 8 X 25	ISO4017
310	700325018100	CLAMP HALF TUBE 1/1 D9-18	2	pc	40,000 g		1/1 D 9 - 18	MMN325

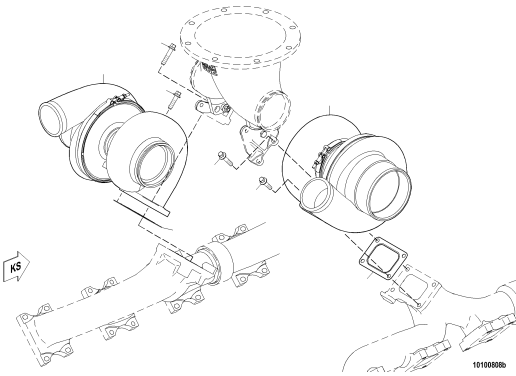
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
320	700327012000	GROMMET	1	pc	4,600 g		12	MMN327
330	304017008086	BOLT HEX A3C	1	pc	19,400 g		M 8 X 45	ISO4017
340	000125008427	WASHER	1	pc	1,500 g		A 8,4	DIN125
350	304032008014	NUT HEX 8 A3C	1	pc	4,800 g		M 8	ISO4032
370	5551870640	BRACKET L H:51 S2000/4000	1	pc	54,900 g	SB		
380	007349010002	WASHER	1	pc	11,000 g		10,5	DIN7349
390	000000003021	HEX SCREW	1	pc	22,800 g		M 10 X 25	ISO4017
400	8331590594	SPACER S2000/4000	1	pc	14,900 g			
410	700325018100	CLAMP HALF TUBE 1/1 D9-18	2	pc	40,000 g		1/1 D 9 - 18	MMN325
420	700327012000	GROMMET	1	pc	4,600 g		12	MMN327
430	304017008087	BOLT HEX	1	pc	21,000 g		M 8 X 50	ISO4017
450	X00040958	TUBE FUEL RETURN 87.391	1	pc	110,000 g	SB		
470	X00040966	TUBE FUEL RETURN	1	pc	237,200 g	SB		
485	007603016105	COPPER SEALING RING	1	pc	3,000 g		A 16 X 20	DIN7603
486	915007010001	CONNECTOR 10/8	1	pc	33,100 g		10 / 8 (M18X1,5/M16X1,5)	N15007
490	X59508200011	FUEL RETURN LINE	1	pc	98,000 g	SB		
501	735151010100	SPACER	1	pc	11,000 g		A 10,5	MTN5151
502	X59308600005	BRACKET	1	pc	174,500 g			
503	735151010100	SPACER	1	pc	11,000 g		A 10,5	MTN5151
504	304017010035	HEX BOLT	1	pc	32,100 g		M 10 X 45	ISO4017
510	700325018100	CLAMP HALF TUBE 1/1 D9-18	2	pc	40,000 g		1/1 D 9 - 18	MMN325
520	700327012000	GROMMET	1	pc	4,600 g		12	MMN327
530	304017008087	BOLT HEX	1	pc	21,000 g		M 8 X 50	ISO4017
540	007349008002	WASHER	1	pc	8,300 g		8,4	DIN7349
550	304032008014	NUT HEX 8 A3C	1	pc	4,800 g		M 8	ISO4032

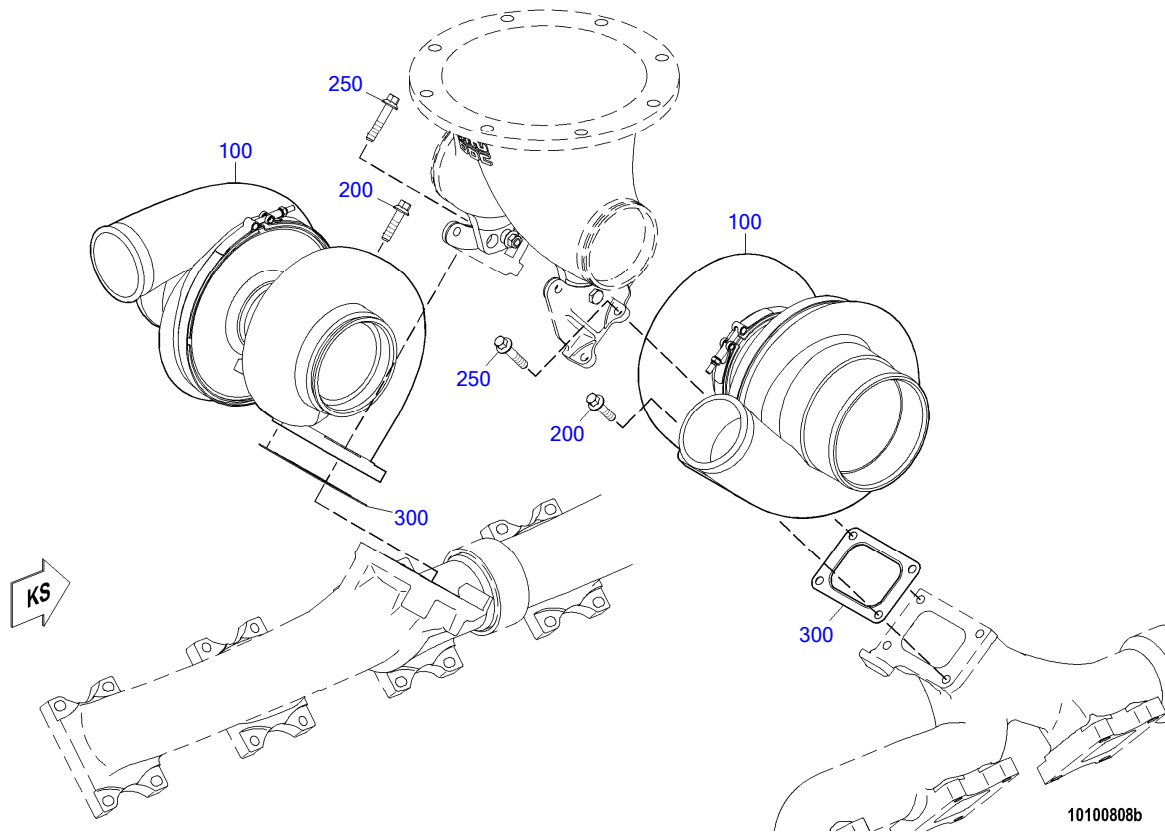
GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

01
EXHAUST TURBOCHARGER
X00028462



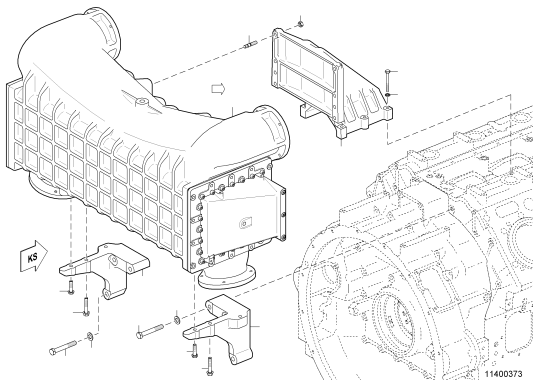


POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT
100	X52610100023	TURBOCHARGER ASM GTA5008 1.23 A/R	GT5008	4	pc	30,555 kg	EM	
200	5249900605	BOLT HEX CAP	BR 4000	8	pc	37,900 g		M 10 X 40
250	5249900705	BOLT HEX FLG		8	pc	43,000 g		M 10 X 50
300	X59499100044	GASKET		4	pc	23,000 g		

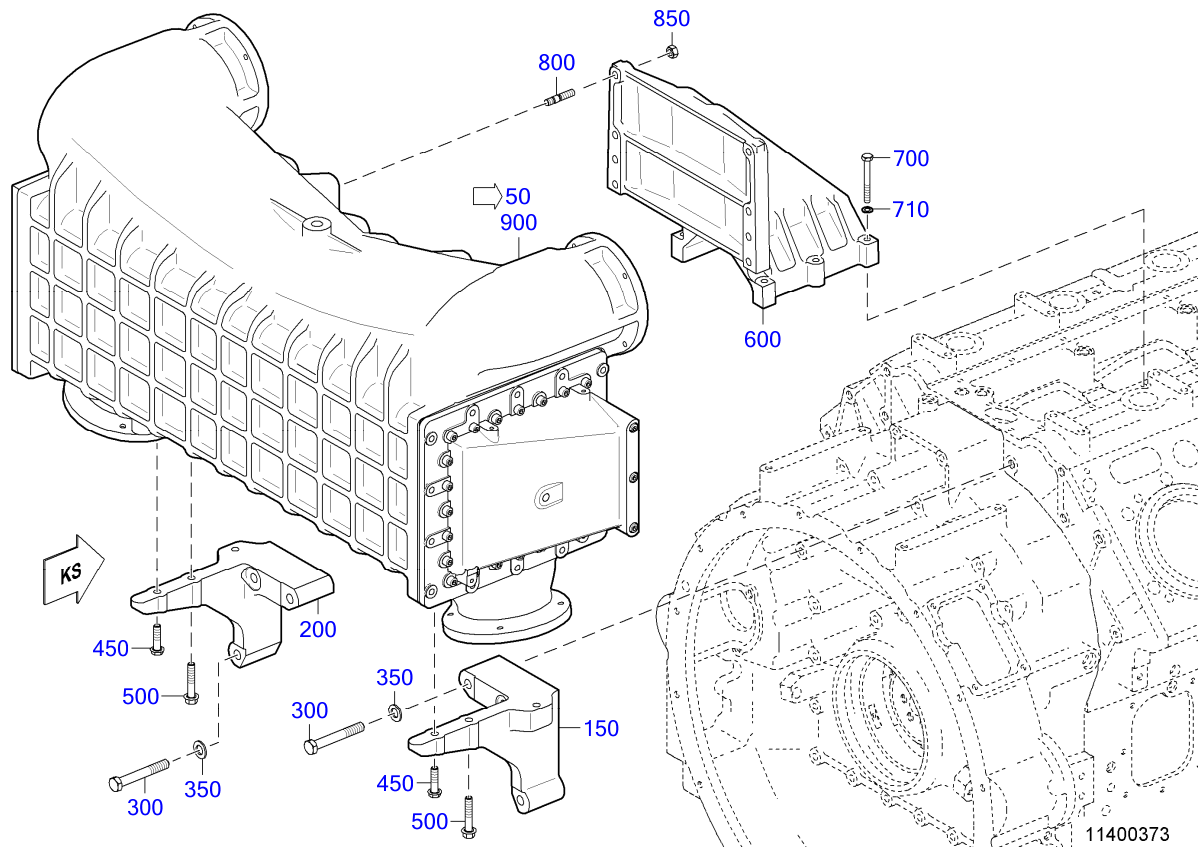
GROUP SEGMENT (FGS)

GROUP NAME

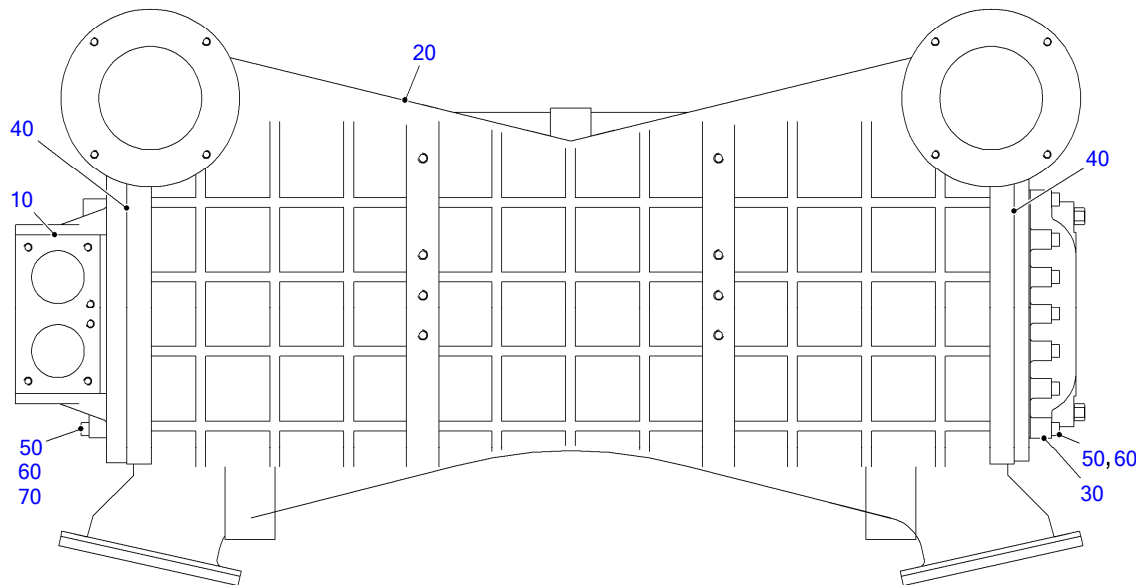
BOM-No.



05
INTERCOOLER
XS594110.00029



POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
50	X59411400015/87	INTERCOOLER WITH TEST CERT. 3.1	1	pc	462,000 kg	EM		
150	5240980730	BRACKET	1	pc	11,500 kg			
200	5240980830	BRACKET	1	pc	11,400 kg			
300	000000002276	HEX SCREW	6	pc	180,000 g		M 16 X110	ISO4017
350	5249900140	WASHER	6	pc	12,400 g			
450	5249901901	BOLT LRG FLG HEX HD	2	pc	64,000 g		M 12 X 1,75 X 47	
500	5249900304	BOLT HVY HEX FLG S4000/S60	4	pc	79,000 g		M12 X 65	
600	X59411400005	SUPPORT	1	pc	32,583 kg			
700	000000002986	HEX SCREW	6	pc	51,600 g		M 10 X 85	ISO4017
710	200433010501	WASHER	6	pc	2,000 g		10,5	DIN433
800	000939012031	STUD	8	pc	44,200 g		M 12 X 45	DIN939
850	000000004744	HEX NUT	8	pc	14,300 g		M 12	ISO4032
900	EX59411400015/87	INTERCOOLER WITH TEST CERT. 3.1	1	pc		MN EM		



11100419

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	XP59411400035	COOLER CORE		1	pc			
20	XP52711400012	COOLER HOUSING		1	pc	285,500 kg		
30	XP52711400013	FRAME		1	pc	5,900 kg		
40	XP52711400014	O-RING		2	pc	93,300 g	DI 393.07X6.99	
50	XP52611400054	SCREW		36	pc	0,040 kg	M 10 X 35	DIN EN ISO 4762
60	XP52899100414	WASHER	NORD-LOCK-SCHEIBE NL10	36	pc	0,050 kg	DNL10	
70	XP53522400013	SCREW		6	pc	38,200 g	M 10X 50	EN ISO 4762

GROUP SEGMENT (FGS)

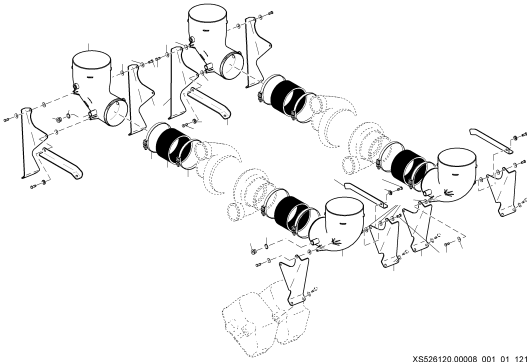
GROUP NAME

BOM-No.

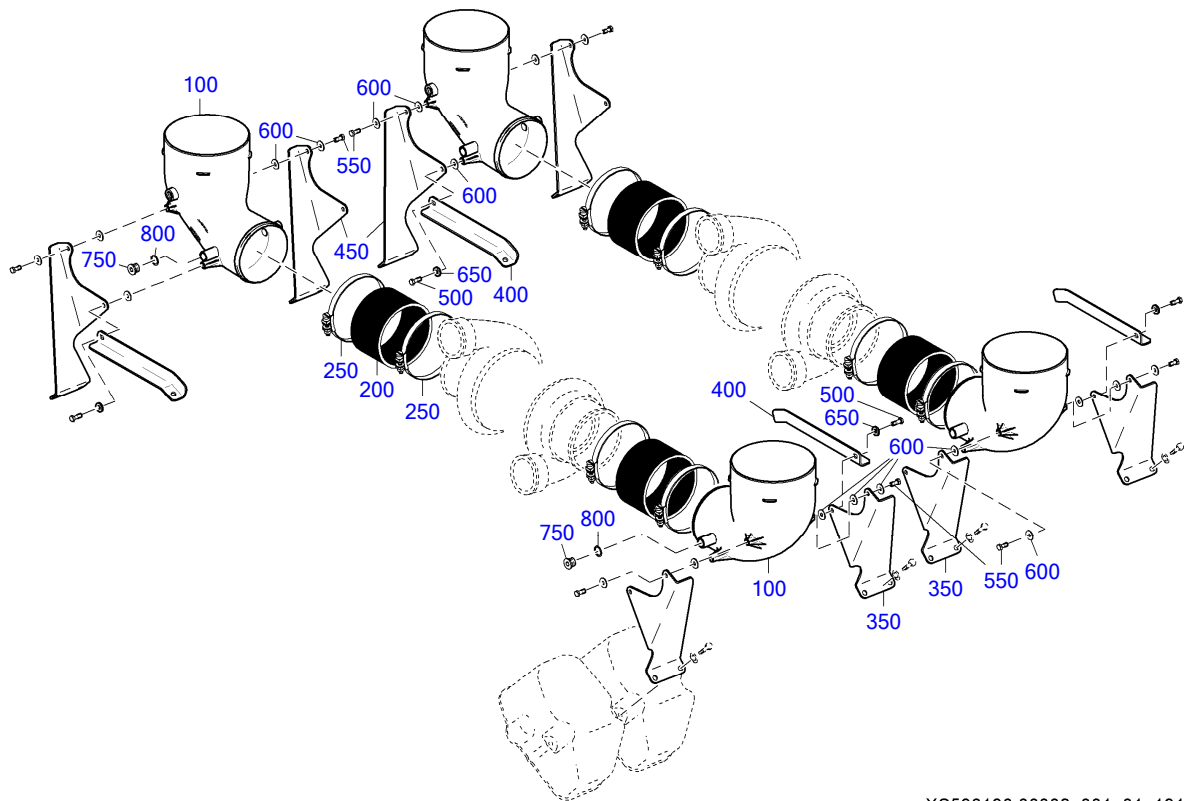
05

AIR INTAKE NECK BENT 90DEG

XS526120.00008



XS526120.00008_001_01_121



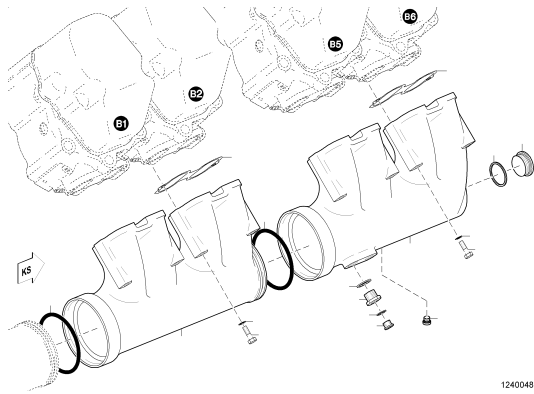
XS526120.00008_001_01_121

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
100	X59612300036	ELBOW FOR INTAKE AIR	4	pc	0,983 kg	EM		
200	X00044065	SLEEVE RUBBER	4	pc	344,600 g		150X115 ; 5.5+-1,00 DICKE	
250	00000000681	CLAMP	8	pc	80,000 g		160-180X12-SW7-W3	MBN10223
350	5240981739	BRACKET	4	pc	1,300 kg			
400	5240900241	BRACKET AIR FILTER ELBOW	4	pc	585,000 g			
450	5240981839	BRACKET	4	pc	1,200 kg			
500	304017008081	HEX BOLT	4	pc	13,400 g		M 8 X 25	ISO4017
550	304017008079	BOLT HEX	12	pc	11,700 g		M 8 X 20	ISO4017
600	009021008204	WASHER	28	pc	5,700 g		8,4	DIN9021
650	007349008002	WASHER	4	pc	8,300 g		8,4	DIN7349
750	000908020000	PLUG	6	pc	0,037 kg		M 20 X 1,5	DIN908
800	007603020103	WASHER A COP	6	pc	2,400 g		A 20 X 26	DIN7603

GROUP SEGMENT (FGS)

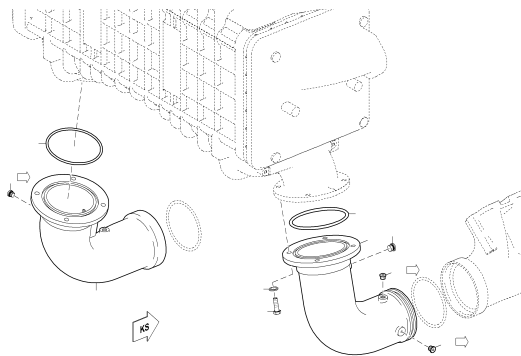
GROUP NAME

BOM-No.



05
CHARGE-AIR MANIFOLD
120.00071

12400489



05
CHARGE-AIR ELBOW AFTER INTERCOOLER
XS594110.00052

12400435

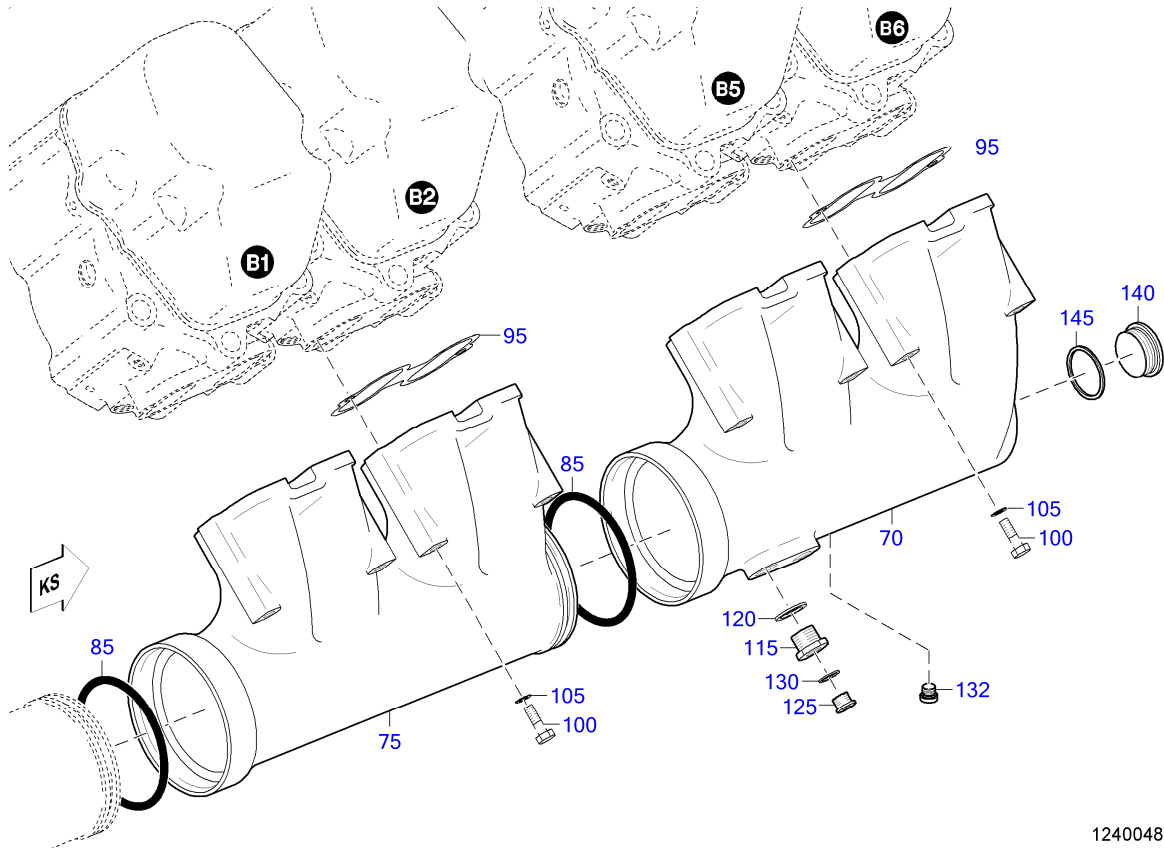
EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
CHARGE-AIR MANIFOLD

SERIAL NUMBER: 526108120

FG/FGS: 124 05

BOM-No.: 120.00071



12400489

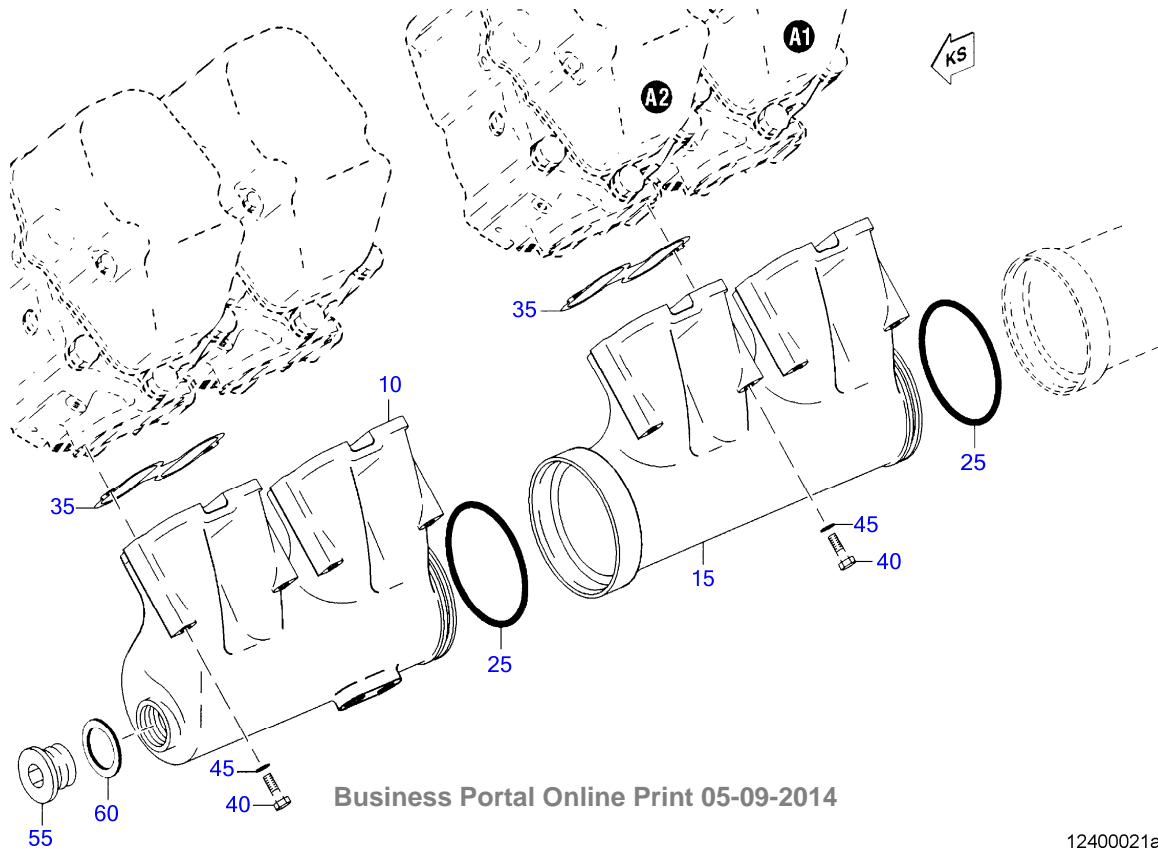
EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
CHARGE-AIR MANIFOLD

SERIAL NUMBER: 526108120

FG/FGS: 124 05

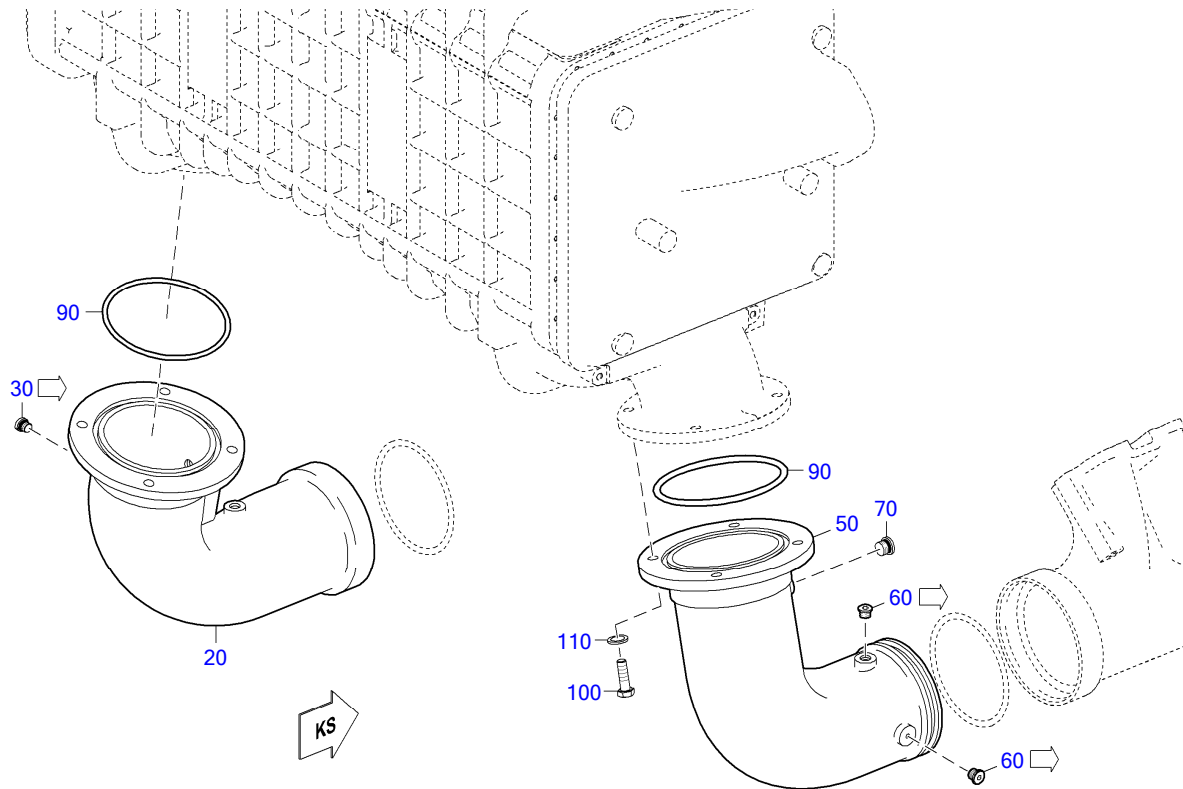
BOM-No.: 120.00071



Business Portal Online Print 05-09-2014

12400021a

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
10	5240981407	MANIFOLD CHARGE AIR FRONT A-BANK		1	pc	7,700 kg	EM		
15	5240980907	MANIFOLD INTAKE CHRГ AIR CENTER	BR4000	2	pc	8,296 kg	EM		
25	700429140000	O-RING		3	pc	45,000 g		140 X 8	MMN429
35	5240980680	GASKET		6	pc	14,500 g			
40	000000001041	BOLT HEX A3C		12	pc	90,200 g		M 10 X140	ISO4014
45	000125010524	WASHER		6	pc	3,100 g		A 10,5	DIN125
55	000908052003	THREAD PLUG		1	pc	0,298 kg		M 52 X 1,5	DIN908
60	007603052101	COPPER SEALING RING		1	pc	12,500 g		A 52 X 60	DIN7603
70	X59412400026	CHARGE-AIR PIPE END MEMBER, RIGHT		1	pc	7,928 kg	EM		
75	5240980907	MANIFOLD INTAKE CHRГ AIR CENTER	BR4000	2	pc	8,296 kg	EM		
85	700429140000	O-RING		3	pc	45,000 g		140 X 8	MMN429
95	5240980680	GASKET		6	pc	14,500 g			
100	000000001041	BOLT HEX A3C		12	pc	90,200 g		M 10 X140	ISO4014
105	000125010524	WASHER		6	pc	3,100 g		A 10,5	DIN125
115	700354014003	THREADED BUSHING		2	pc	40,000 g		M 14 X 1,5	MMN354
120	007603022102	COPPER SEALING RING		2	pc	0,900 g		A 22 X 27	DIN7603
125	000908014001	THREAD PLUG		2	pc	0,016 kg		M 14 X 1,5	DIN908
130	007603014102	COPPER SEALING RING		2	pc	1,000 g		A 14 X 18	DIN7603
132	735210014000	THREAD PLUG		1	pc	0,019 kg		M 14 X 1,5	MTN5210
140	000908052003	THREAD PLUG		1	pc	0,298 kg		M 52 X 1,5	DIN908
145	007603052101	COPPER SEALING RING		1	pc	12,500 g		A 52 X 60	DIN7603



12400435

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
20	5240983015	ELBOW	1	pc	5,800 kg	EM	KRÜMMER LINKE SEITE	
30	735210014000	THREAD PLUG	1	pc	0,019 kg		M 14 X 1,5	MTN5210
50	5240983115	ELBOW	1	pc	4,400 kg	EM	KRÜMMER RECHTE SEITE	
60	735210014000	THREAD PLUG	2	pc	0,019 kg		M 14 X 1,5	MTN5210
70	735210018000	PLUG	1	pc	0,036 kg		M 18 X 1,5	MTN5210
90	5269970045	SEAL RING (SQUARE CUT) CAC OUTLET	2	pc	17,000 g			
100	204017012009	HEX SCREW	8	pc	43,800 g	MN	M 12 X 40	ISO4017
110	735151012100	SPACER S2000/4000	8	pc	20,000 g		A 12,5	MTN5151

AIR ROUTING BETWEEN TURBOCHARGER AND CHARGE-AIR COOLER

GROUP SEGMENT (FGS)

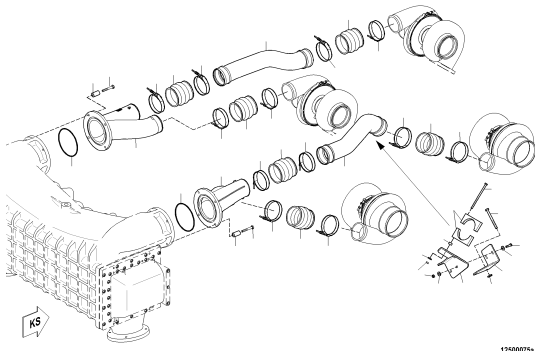
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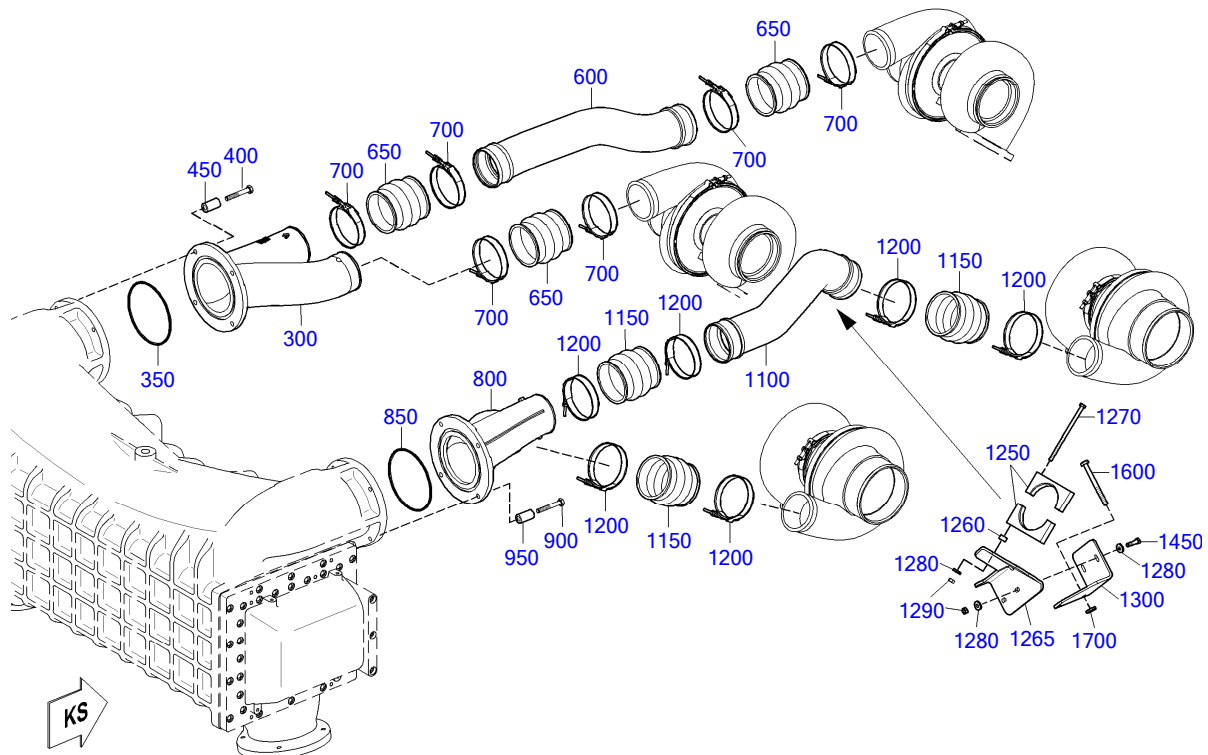
BOM-No.

05

AIR PIPING BEFORE INTERCOOLER

XS526120.00012





12500075a

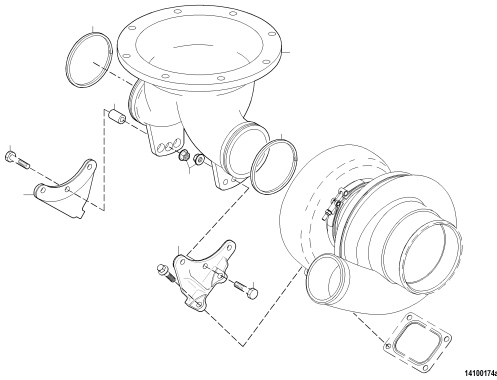
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
300	X00009057	CONNECTOR CAC INLET A-BANK	1	pc	3,640 kg	EM		
350	0289976148	O-RING	1	pc	19,000 g			
400	000931010117	BOLT HEX	4	pc	50,400 g		M 10 X 70	DIN931
450	8351530053	SPACER TUBE	4	pc	83,000 g			
600	23540070	TUBE CAC A-BANK	1	pc	2,000 kg			
650	5240980281	HOSE	3	pc	235,000 g			
700	X59399100083	CLAMP	6	pc	103,700 g			
800	X00009058	CONNECTOR CAC INLET B-BANK	1	pc	3,426 kg	EM		
850	0289976148	O-RING	1	pc	19,000 g			
900	000931010117	BOLT HEX	4	pc	50,400 g		M 10 X 70	DIN931
950	8351530053	SPACER TUBE	4	pc	83,000 g			
1100	23540071	TUBE CAC B-BANK	1	pc	1,979 kg			
1150	5240980281	HOSE	3	pc	235,000 g			
1200	X59399100083	CLAMP	6	pc	103,700 g			
1250	X52612500012	CLAMP HALF PIPE	2	pc	315,000 g			
1260	8331590594	SPACER S2000/4000	2	pc	14,900 g			
1265	X52612500006	BRACKET	1	pc	1,580 kg			
1270	000931008155	HEX SCREW	2	pc	60,900 g		M 8 X 150	DIN931
1280	007349008002	WASHER	6	pc	8,300 g		8,4	DIN7349
1290	000934008008	NUT HEX	4	pc	4,600 g		M 8	DIN934
1300	X52612500011	BRACKET	1	pc	970,000 g			
1450	304017008083	BOLT HEX A3C	2	pc	15,100 g		M 8 X 30	ISO4017
1600	000931010292	BOLT HEX	2	pc	73,700 g		M 10 X 110	DIN931
1700	007349010002	WASHER	1	pc	11,000 g		10,5	DIN7349

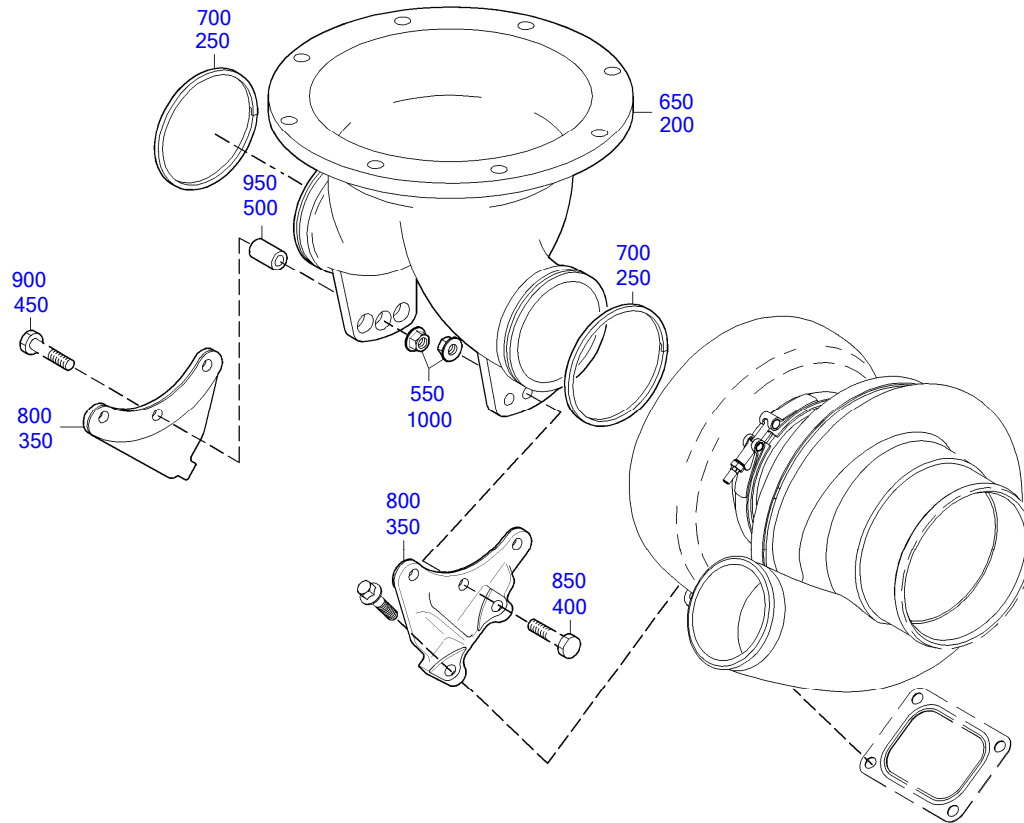
GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

15
EXHAUST LINE
X00007705





14100174a

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
200	5241420302	OUTLET TURBO EXHAUST	4000	1	pc	11,755 kg	EM		
250	5244920181	SEALING RING	BR4000	2	pc	20,000 g			
350	5241422540	BRACKET EXH OUTLET		2	pc	695,000 g			
400	000933010093	SCREW CAP HEX M10-1.5 X 35MM DIN 933 G		1	pc	29,100 g	M 10 X 35		DIN933
450	000933010095	BOLT HEX		1	pc	36,100 g	M 10 X 50		DIN933
500	5511531250	SPACER BUSHING		1	pc	41,000 g			
550	11506101	NUT		2	pc	12,000 g	M10		
650	5241420302	OUTLET TURBO EXHAUST	4000	1	pc	11,755 kg	EM		
700	5244920181	SEALING RING	BR4000	2	pc	20,000 g			
800	5241422540	BRACKET EXH OUTLET		2	pc	695,000 g			
850	000933010093	SCREW CAP HEX M10-1.5 X 35MM DIN 933 G		1	pc	29,100 g	M 10 X 35		DIN933
900	000933010095	BOLT HEX		1	pc	36,100 g	M 10 X 50		DIN933
950	5511531250	SPACER BUSHING		1	pc	41,000 g			
1000	11506101	NUT		2	pc	12,000 g	M10		

GROUP SEGMENT (FGS)

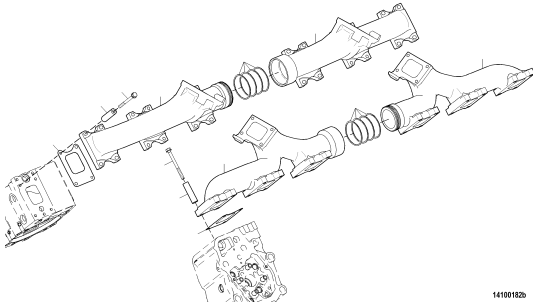
GROUP NAME

BOM-No.

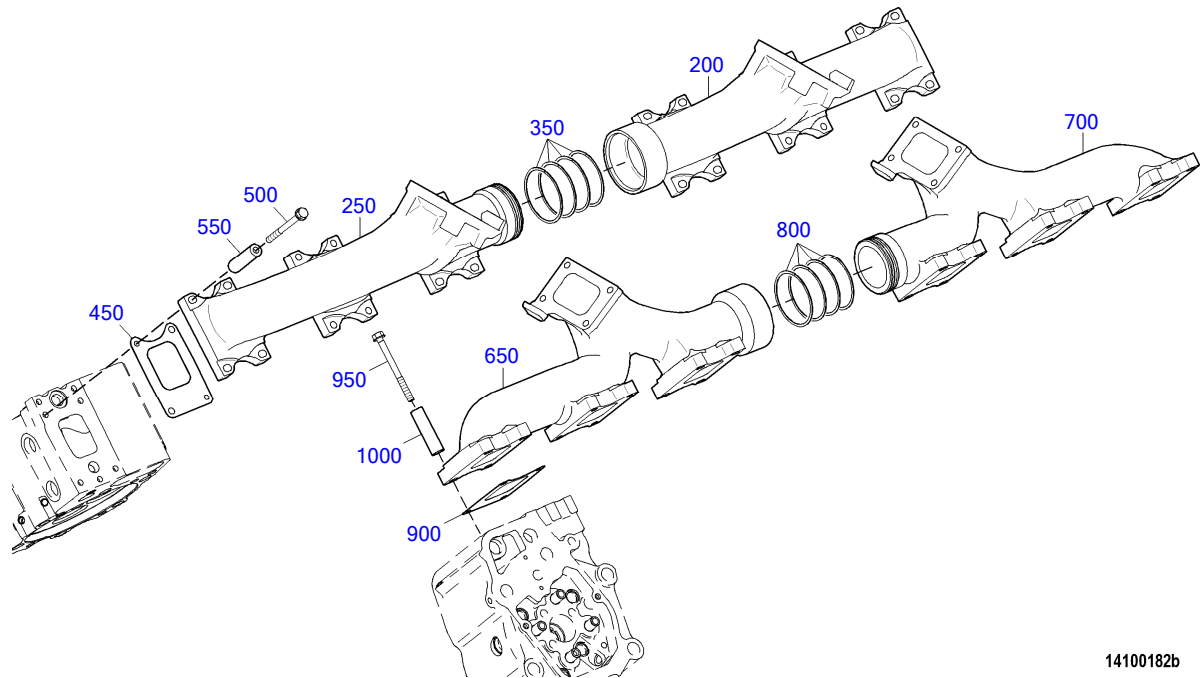
05

EXHAUST LINE F/CYL. TO T'CHARGER

X00028461



14100182b



14100182b

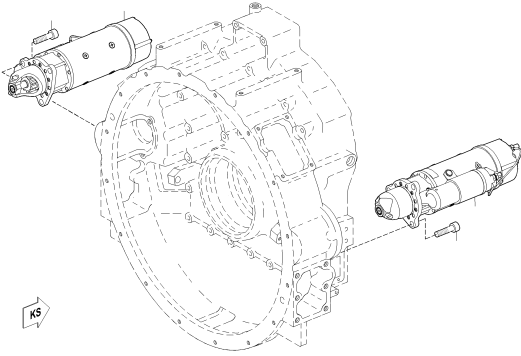
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN
200	X52614100006	EXHAUST PIPE	1	pc	18,500 kg	EM
250	X52614100007	EXHAUST PIPE	1	pc	17,071 kg	EM
350	0001424957	RING EXH MANIF	4	pc	15,500 g	
450	5241420580	GASKET	6	pc	38,000 g	
500	08929357	BOLT HEX FLG B16	24	pc	79,000 g	
550	5241420553	SPACER SLEEVE	24	pc	105,000 g	
650	X52614100006	EXHAUST PIPE	1	pc	18,500 kg	EM
700	X52614100007	EXHAUST PIPE	1	pc	17,071 kg	EM
800	0001424957	RING EXH MANIF	4	pc	15,500 g	
900	5241420580	GASKET	6	pc	38,000 g	
950	08929357	BOLT HEX FLG B16	24	pc	79,000 g	
1000	5241420553	SPACER SLEEVE	24	pc	105,000 g	

GROUP SEGMENT (FGS)

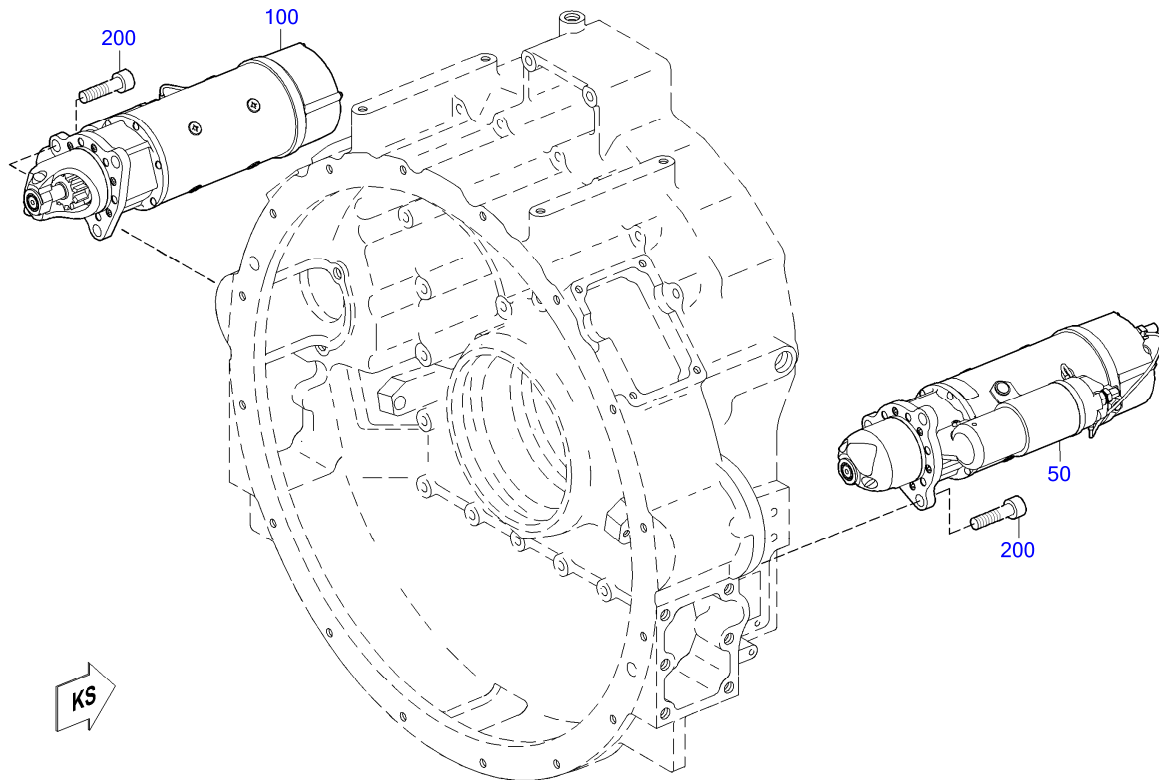
GROUP NAME

BOM-No.

05
ELECTRIC STARTER
XS526170.00007



17200320a



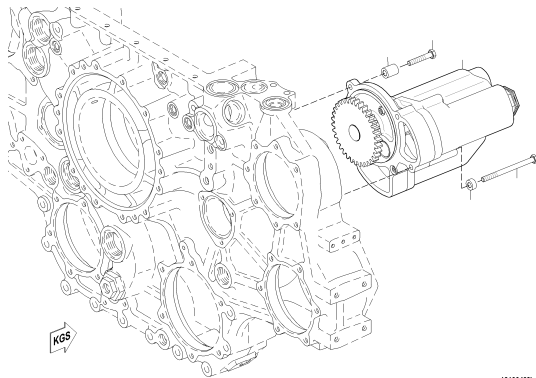
17200320a

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
50	X52417200003	STARTER RIGHT	PRESTOLITE MS7-505 24V	1	pc	29,500 kg		
100	X52417200004	STARTER LEFT	PRESTOLITE MS7-506 24V	1	pc	29,500 kg		
200	000912016002	BOLT HEX SOC HD		6	pc	90,000 g	M 16 X 40	DIN912

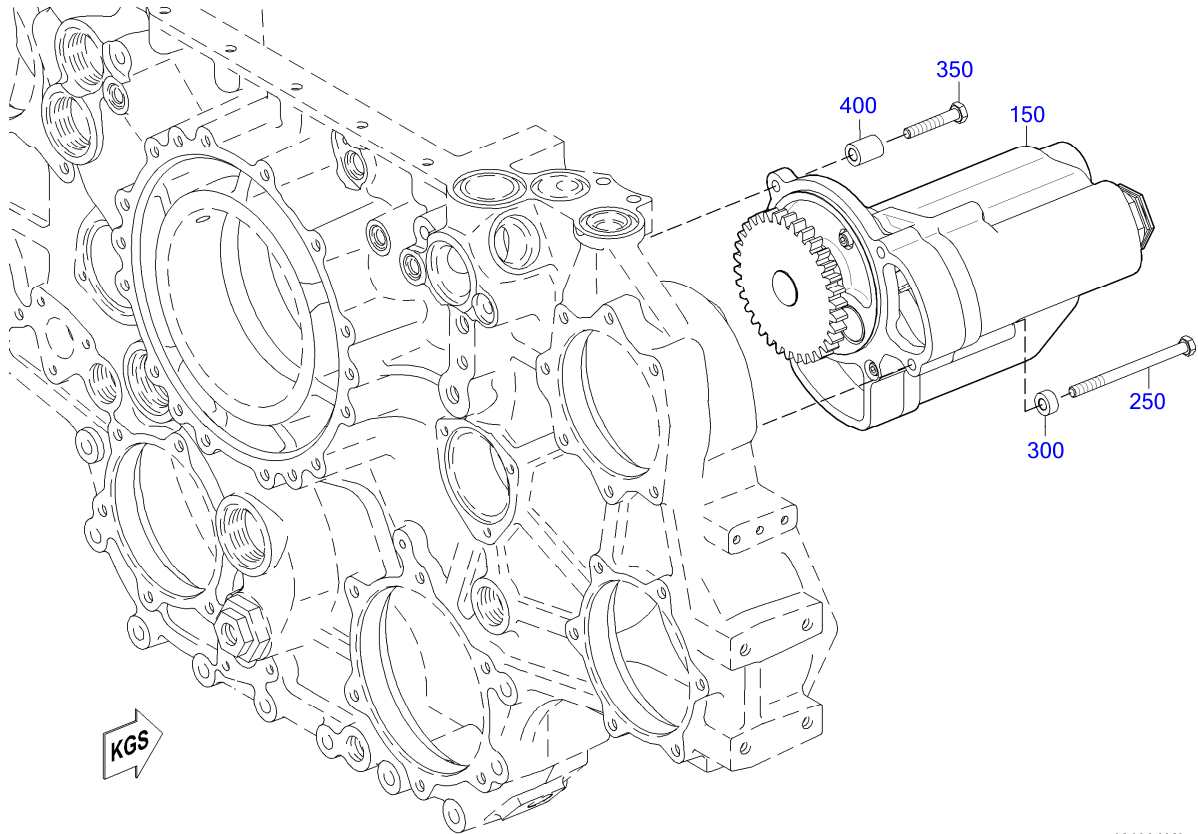
GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.



05
OIL PUMP
XS526180.00006

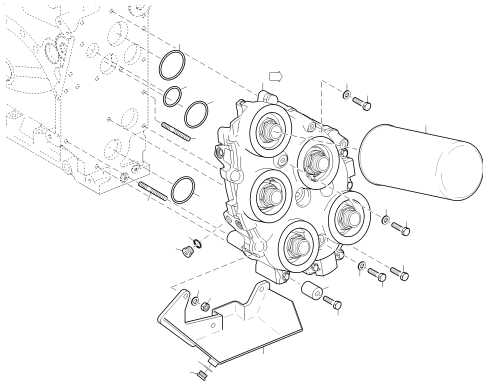


18100468b

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
150	0021804101	OIL PUMP	4000	1	pc	23,500 kg	AB		
250	304014010013	BOLT HEX		3	pc	80,700 g		M 10 X120	ISO4014
300	735151010100	SPACER		3	pc	11,000 g		A 10,5	MTN5151
350	304017010051	BOLT HEX		1	pc	40,200 g		M 10 X 60	ISO4017
400	5241871853	SPACER SLEEVE	BR 4000	1	pc	65,000 g		11MM X 22MM L=28	

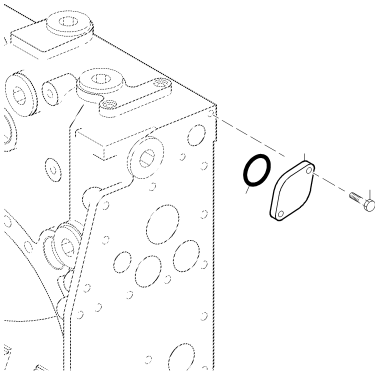
GROUP SEGMENT (FGS)
GROUP NAME
BOM-No.

05
OIL FILTER INCLINED
XS526180.00001



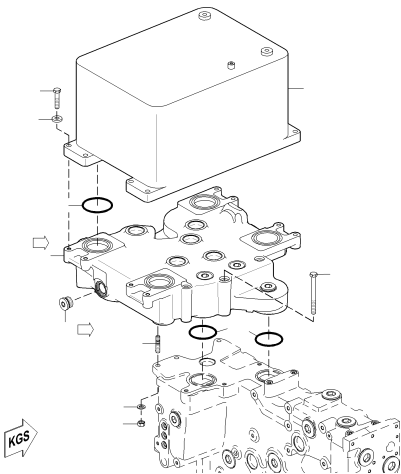
18300974a

15
SEAL ELEM. F/COOLANT DISTR. HS
180.00268

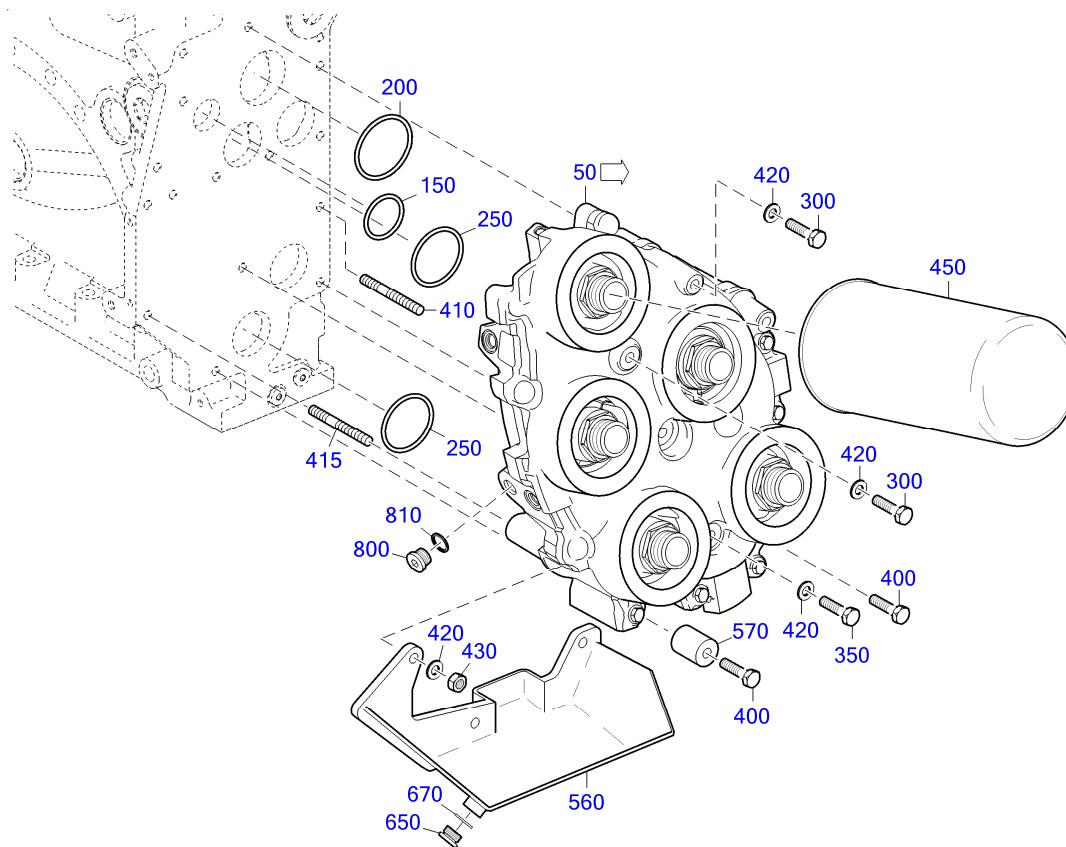


1800064a

15
OIL HEAT EXCHANGER
X00028458

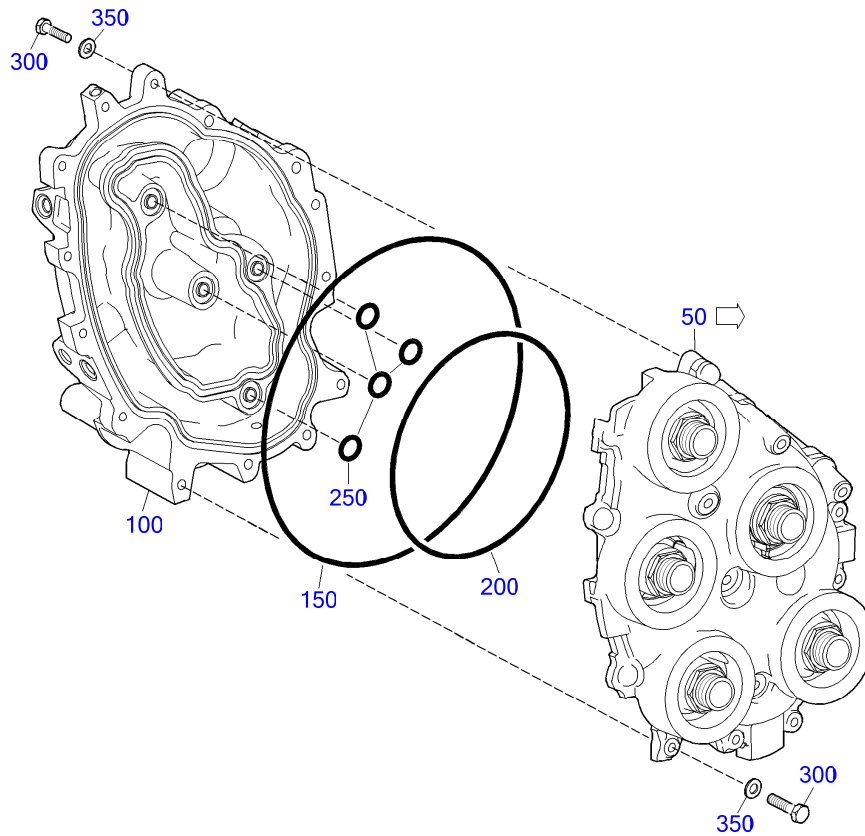


18300721d



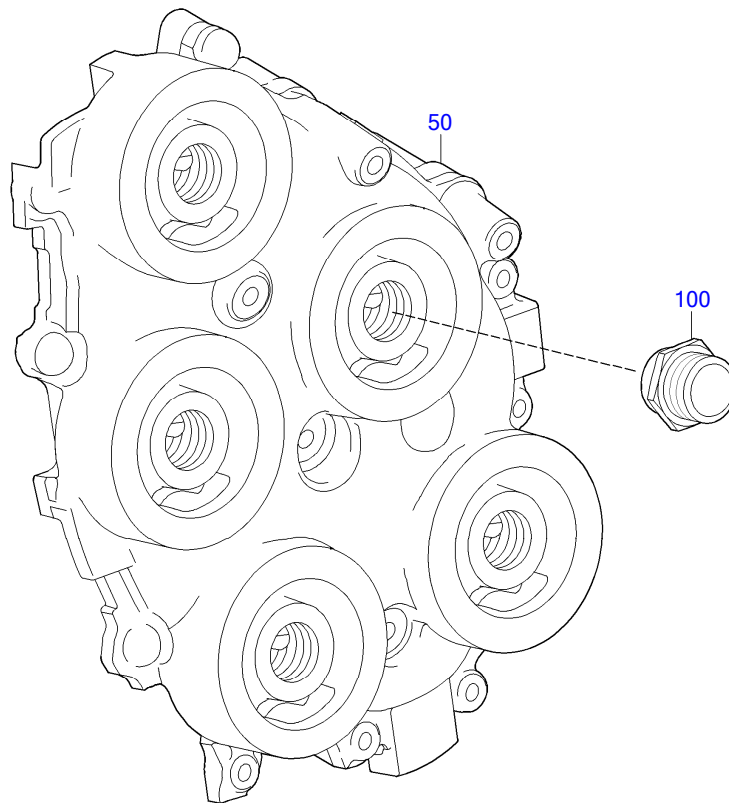
18300974a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
50	X52618300021	HOUSING OIL FILTER	1	pc	19,960 kg		
150	700429042002	O-RING	1	pc	3,800 g	42 X 4	MMN429
200	700429065000	O-RING	1	pc	5,800 g	65 X 4	MMN429
250	700429058001	O-RING	4	pc	6,000 g	58 X 4	MMN429
300	000000001041	BOLT HEX A3C	5	pc	90,200 g	M 10 X140	ISO4014
350	204014010014	HEX SCREW	1	pc	109,500 g	M 10 X170	ISO4014
400	000000003922	HEX SCREW	2	pc	66,600 g	M 10 X100	ISO4014
410	000939010070	STUD	1	pc	57,000 g	M 10 X 90	DIN939
415	000939010099	STUD	1	pc	69,700 g	M 10 X110	DIN939
420	000125010524	WASHER	7	pc	3,100 g	A 10,5	DIN125
430	000000003187	NUT HEX A3C	2	pc	9,200 g	M 10	ISO4032
450	0031845301	OIL FILTER SPIN-ON	5	pc	2,200 kg		
560	X52618300013	TRAY OIL DRIP	1	pc	3,318 kg		
570	X00034564	SPACER SLEEVE	1	pc	186,200 g		
650	000908014001	THREAD PLUG	1	pc	0,016 kg	M 14 X 1,5	DIN908
670	007603014102	COPPER SEALING RING	1	pc	1,000 g	A 14 X 18	DIN7603
800	000908018002	PLUG	1	pc	0,029 kg	M 18 X 1,5	DIN908
810	007603018101	COPPER SEALING RING	1	pc	1,300 g	A 18 X 22	DIN7603



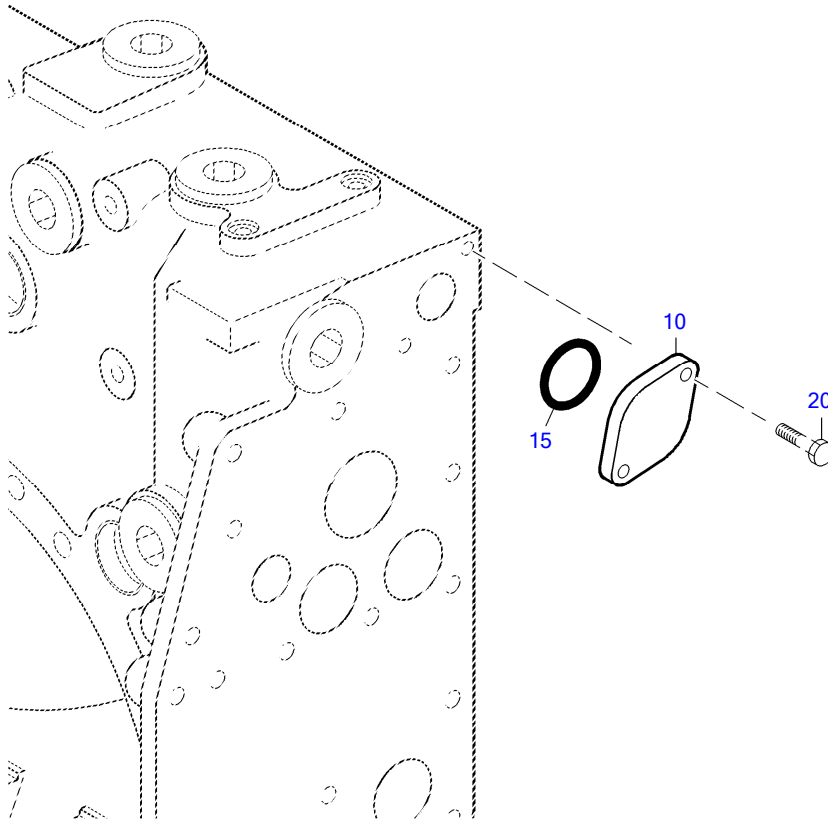
18300783a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
50	X52618300024	OIL FILTER HOUSING	1	pc	9,446 kg		
100	X52618300022	OIL FILTER HOUSING	1	pc	10,840 kg		
150	700429340000	O-RING	1	pc	46,000 g	340 X 5	MMN429
200	700429230000	O-RING	1	pc	31,100 g	230 X 5	MMN429
250	700429018004	O-RING	4	pc	3,000 g	18 X 5	MMN429
300	000000000895	BOLT HEX ZNPH R5F	12	pc	18,400 g	M 8 X 40	ISO4017
350	735151008100	SPACER	12	pc	7,400 g	A 8,4	MTN5151



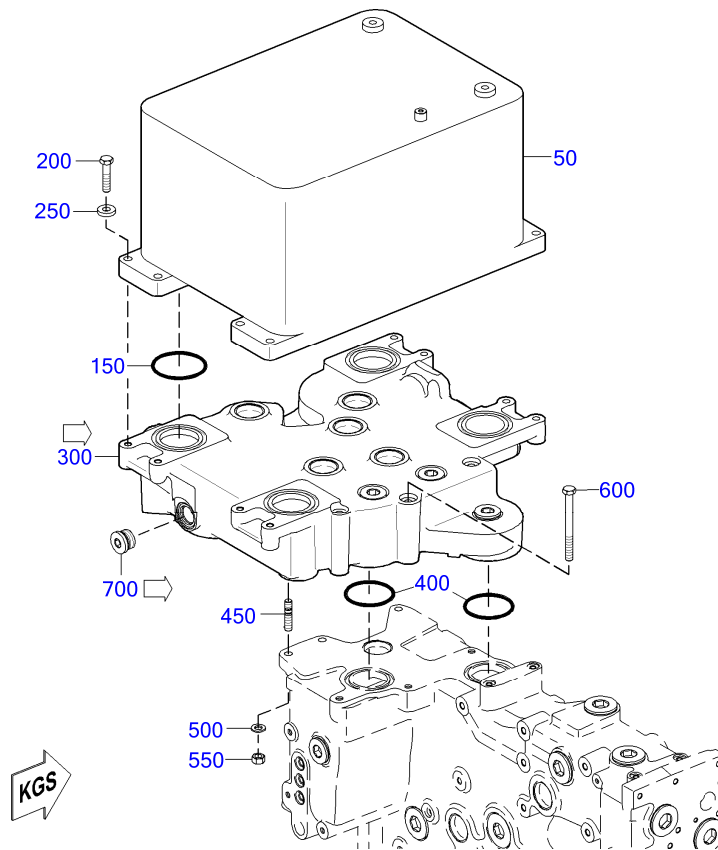
18300784a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
50	X52618300025	OIL FILTER HOUSING	1	pc	9,446 kg
100	0009973675	ADAPTER OIL FLTR DUAL NIPPLE S2000+S4000	5	pc	148,200 g



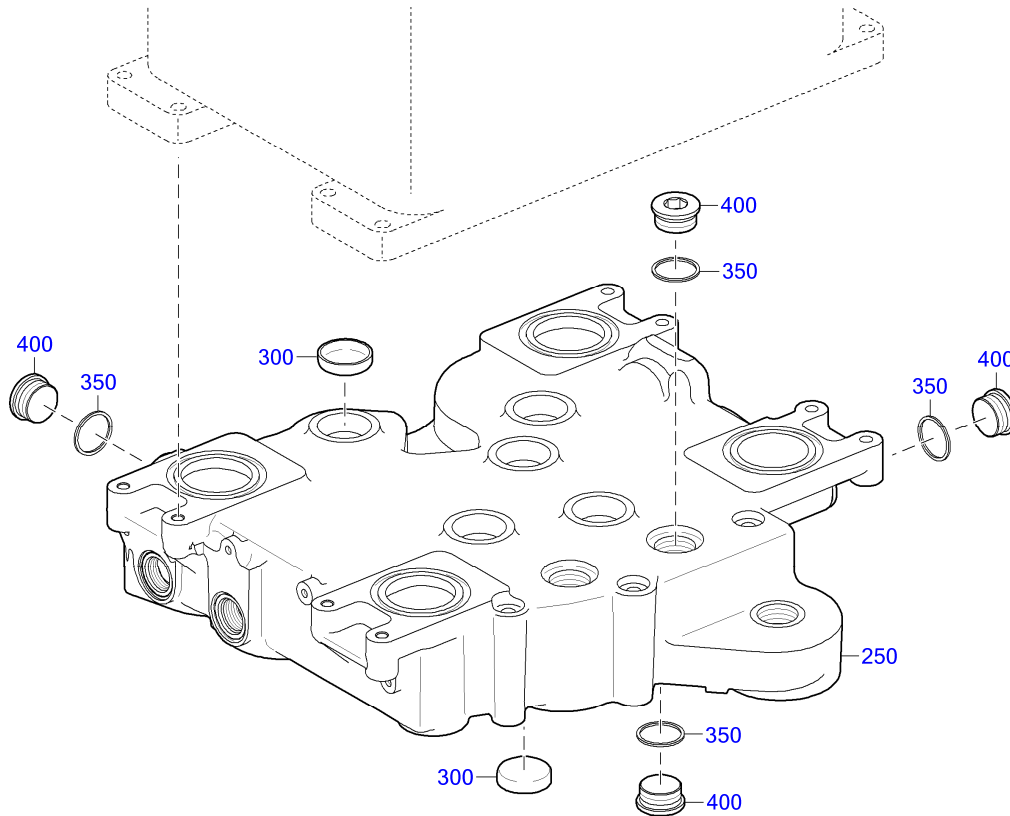
18000054a

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	5281840509	COVER WATER DISTRIBUTION HOUSING	BR 4000	1	pc	314,700 g		
15	700429042002	O-RING		1	pc	3,800 g	42 X 4	MMN429
20	304017008081	HEX BOLT		2	pc	13,400 g	M 8 X 25	ISO4017



18300721d

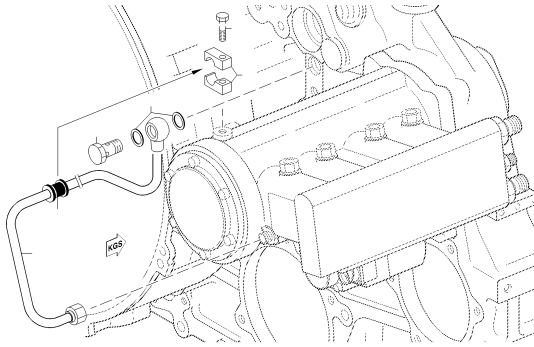
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
50	X59418300024/87	OIL HEAT EXCHANGER WITH TEST CERT. 3.1	1	pc	129,000 kg	EM	KANAELE: 29 OEL / 30 KM	
150	700429083000	O-RING	4	pc	11,700 g		83 X 5	MMN429
200	00000003926	BOLT HEX A3C	8	pc	54,000 g		M 12 X 55	ISO4017
250	007349013002	WASHER	8	pc	24,800 g		13	DIN7349
300	X59418300021	OIL. DISTR. HOUSING	1	pc	65,000 kg			
400	700429075001	O-RING	2	pc	10,600 g		75 X 5	MMN429
450	000939012061	STUD	3	pc	39,900 g		M 12 X 40	DIN939
500	000125013012	WASHER	3	pc	5,500 g		A 13	DIN125
550	000934012008	NUT HEX	3	pc	15,200 g		M 12	DIN934
600	000931012091	BOLT HEX	3	pc	122,000 g		M 12 X130	DIN931
700	735210033000	PLUG	2	pc	0,142 kg		M 33 X 2	MTN5210



18300851b

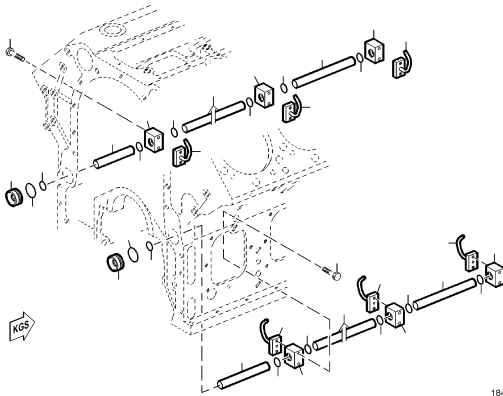
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
250	X59418300020	OIL. DISTR. HOUSING	1	pc	64,000 kg		
300	5249970020	SEALING CAP	9	pc	62,600 g	D 50	
350	007603038101	COPPER SEALING RING	7	pc	5,400 g	A 38 X 44	DIN7603
400	000908038000	THREAD PLUG	7	pc	0,150 kg	M 38 X 1,5	DIN908

GROUP SEGMENT (FGS)
GROUP NAME
BOM-No.



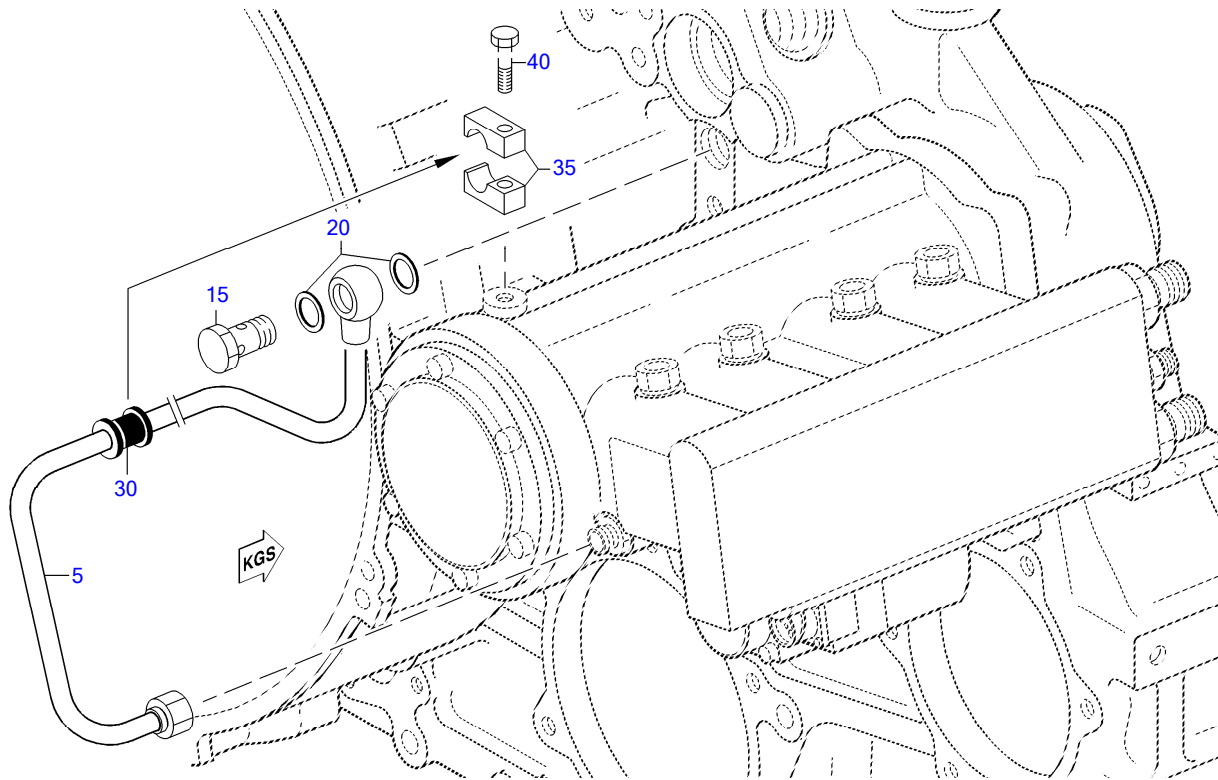
18300099a

05
OIL SUPPLY FOR HP PUMP
180.00150



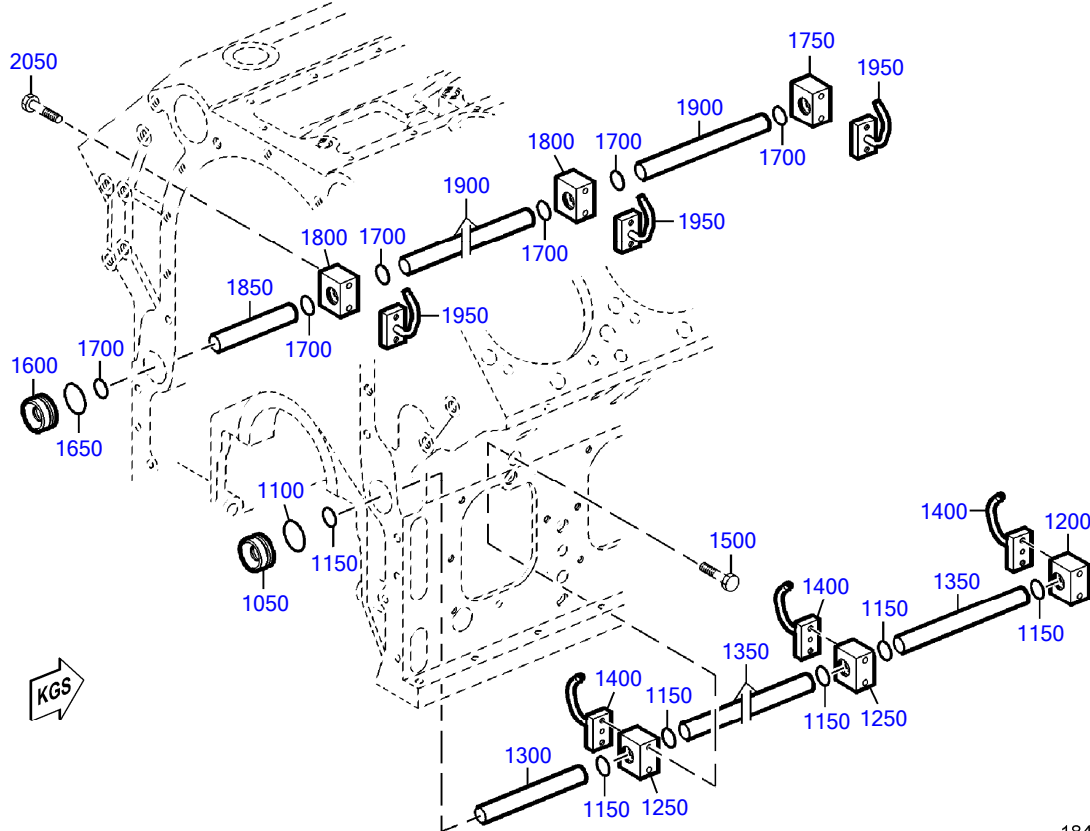
18400124b

10
OIL SYSTEM BASIC SCOPE
X00026315



18300099a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
5	5281800319	TUBE HIGH PRESS FUEL PUMP LUBE OIL	1	pc	270,000 g		
15	700223010000	BOLT BANJO A12	1	pc	64,800 g	A 12	MMN223
20	007603018101	COPPER SEALING RING	2	pc	1,300 g	A 18 X 22	DIN7603
30	700327012000	GROMMET	1	pc	4,600 g	12	MMN327
35	700325018100	CLAMP HALF TUBE 1/1 D9-18	2	pc	40,000 g	1/1 D 9 - 18	MMN325
40	304017008085	BOLT HEX	1	pc	18,000 g	M 8 X 40	ISO4017



18400124b

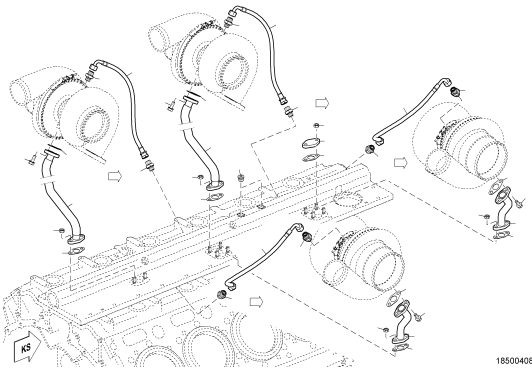
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
1050	5241870276	RETAINER O-RING	1	pc	60,000 g			
1100	700429041000	O-RING	1	pc	3,800 g		41 X 4	MMN429
1150	700429024002	O-RING	12	pc	2,300 g		24 X 4	MMN429
1200	X52418400002	RETAINER	1	pc	170,000 g			
1250	X52418400001	RETAINER	5	pc	105,000 g			
1300	5241870401	TUBE D	1	pc	160,000 g			
1350	5241870101	TUBE D	5	pc	130,000 g			
1400	X59418400008	OIL SPRAY NOZZLE	6	pc	190,000 g	EM		
1500	304014008032	BOLT HEX A3C S2000/4000	12	pc	34,100 g		M 8 X 80	ISO4014
1600	5241870276	RETAINER O-RING	1	pc	60,000 g			
1650	700429041000	O-RING	1	pc	3,800 g		41 X 4	MMN429
1700	700429024002	O-RING	12	pc	2,300 g		24 X 4	MMN429
1750	X52418400002	RETAINER	1	pc	170,000 g			
1800	X52418400001	RETAINER	5	pc	105,000 g			
1850	5241870201	TUBE D	1	pc	120,000 g			
1900	5241870101	TUBE D	5	pc	130,000 g			
1950	X59418400008	OIL SPRAY NOZZLE	6	pc	190,000 g	EM		
2050	304014008032	BOLT HEX A3C S2000/4000	12	pc	34,100 g		M 8 X 80	ISO4014

GROUP SEGMENT (FGS)

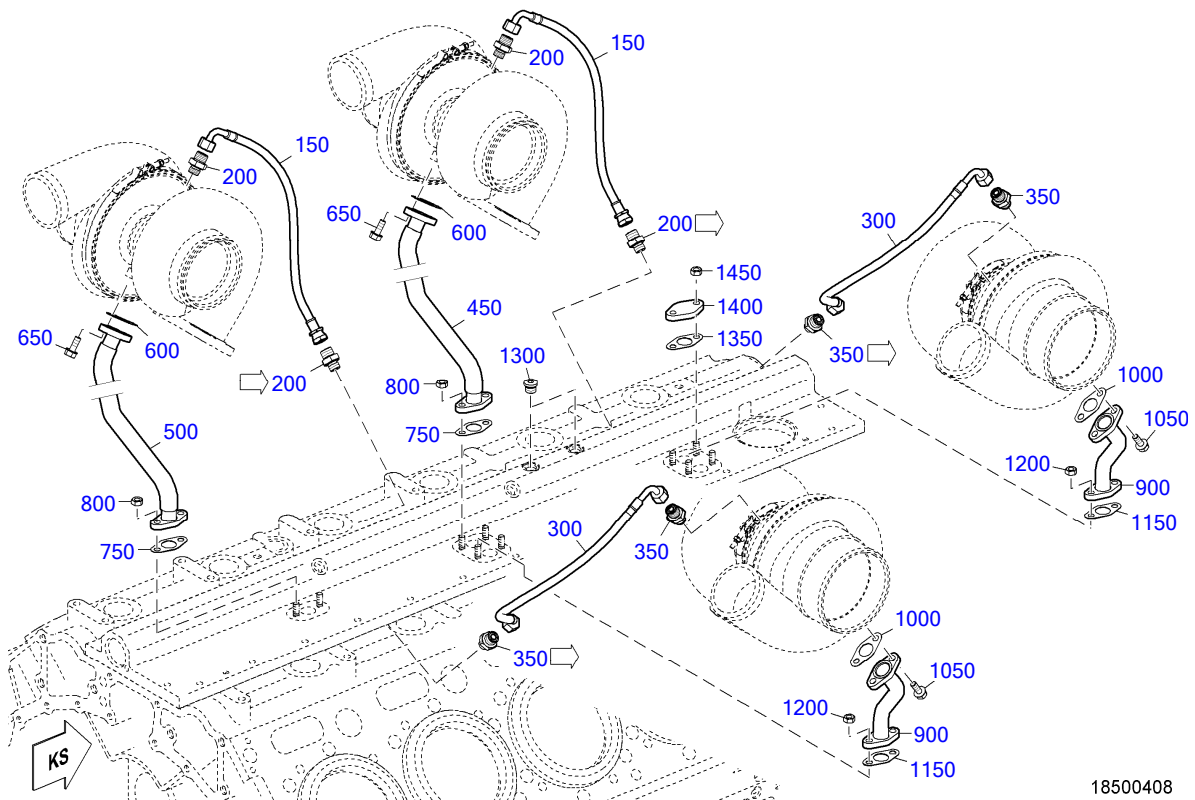
GROUP NAME

BOM-No.

00
OIL SUPPLY F/TURBOCHARGER
XS526180.00014

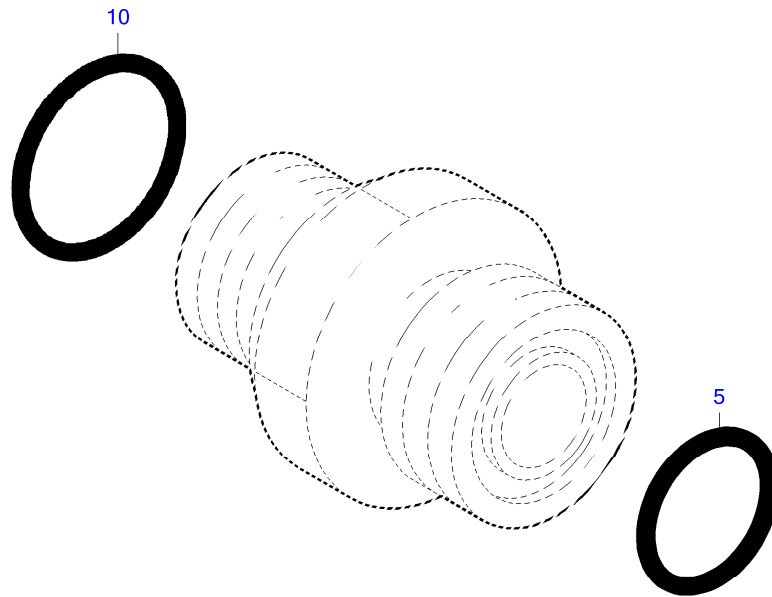


18500408



18500408

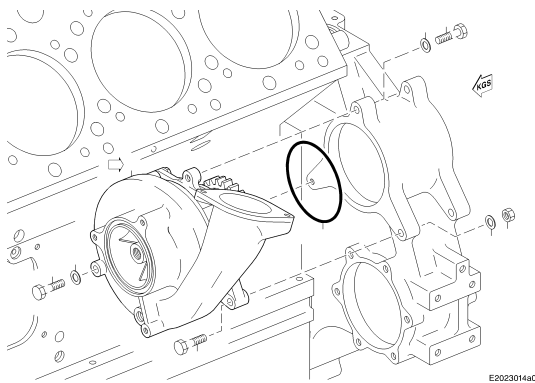
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
150	X00038531	HOSE TURBO OIL SUPPLY 500MM 90DEG	2	pc	230,000 g		
200	5241870026	FITTING M18X1.5 TO 13/16-16	4	pc	73,900 g		
300	X52418500006	OIL LINE F/TURBOCHARGER	2	pc	255,000 g		
350	5241870026	FITTING M18X1.5 TO 13/16-16	4	pc	73,900 g		
450	5241806520	TUBE ASM TURBO OIL DRAIN A-BANK	1	pc	330,000 g		
500	X00021075	TUBE ASM TURBO OIL DRAIN A-BANK	1	pc	315,000 g		
600	X00009917	GASKET	2	pc	3,000 g		
650	23511786	BOLT PHOS HEX FLG LRG 6174M	4	pc	20,000 g	M10X25	
750	X00009917	GASKET	2	pc	3,000 g		
800	000934010005	NUT HEX	4	pc	10,400 g	M 10	DIN934
900	5241806620	TUBE ASM TURBO OIL DRAIN B-BANK	2	pc	295,000 g		
1000	X00009917	GASKET	2	pc	3,000 g		
1050	23511786	BOLT PHOS HEX FLG LRG 6174M	4	pc	20,000 g	M10X25	
1150	X00009917	GASKET	2	pc	3,000 g		
1200	000934010005	NUT HEX	4	pc	10,400 g	M 10	DIN934
1300	735210018000	PLUG	2	pc	0,036 kg	M 18 X 1,5	MTN5210
1350	X00009917	GASKET	1	pc	3,000 g		
1400	5240110045	COVER CRANKCASE BREATHER	1	pc	170,000 g		
1450	000934010005	NUT HEX	2	pc	10,400 g	M 10	DIN934



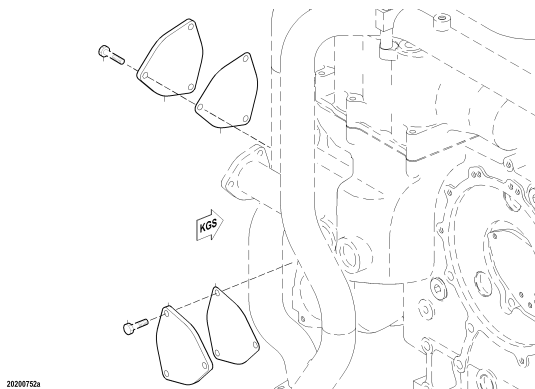
221K00001

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT
5	5319972245	SEALING RING		1	pc	0,200 g	
10	0005333080	O-RING FOR ON-ENGINE SENSO	BR 2000/4000	1	pc	0,400 g	15,3X2,2, 70 SHORE

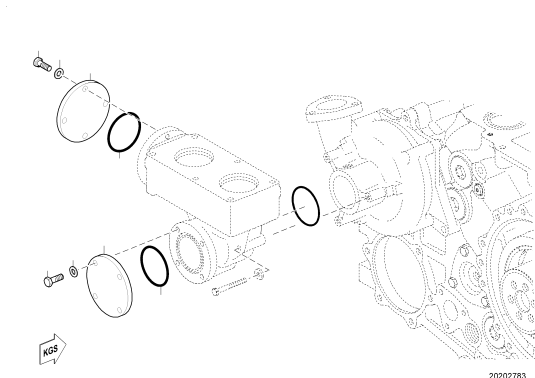
GROUP SEGMENT (FGS)
GROUP NAME
BOM-No.



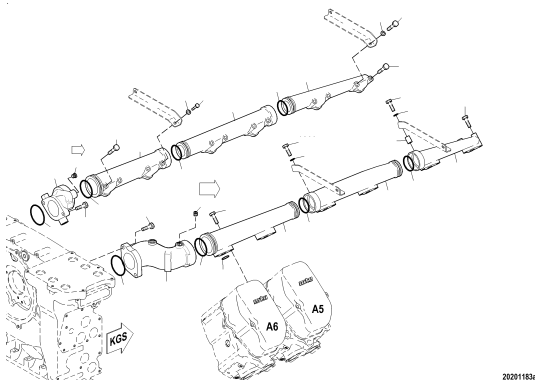
05
COOLANT PUMP HIGH-TEMP CIRCUIT
X00011161



15
COVER FOR COOLANT
X00021784



15
END COVER FOR COOLANT
XS593990.00032



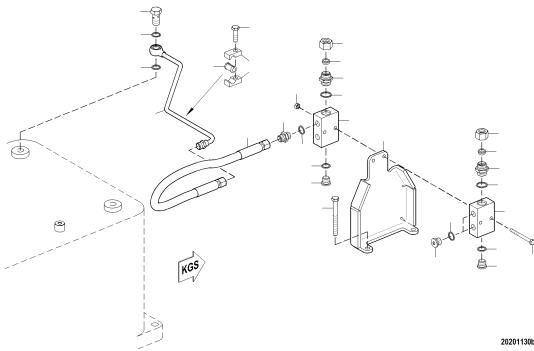
20
COOLANT DUCTING HIGH-TEMP CIRCUIT
X00028572

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

65
COOLANT VENT LT/HT SYSTEM
X00031661



20201130b

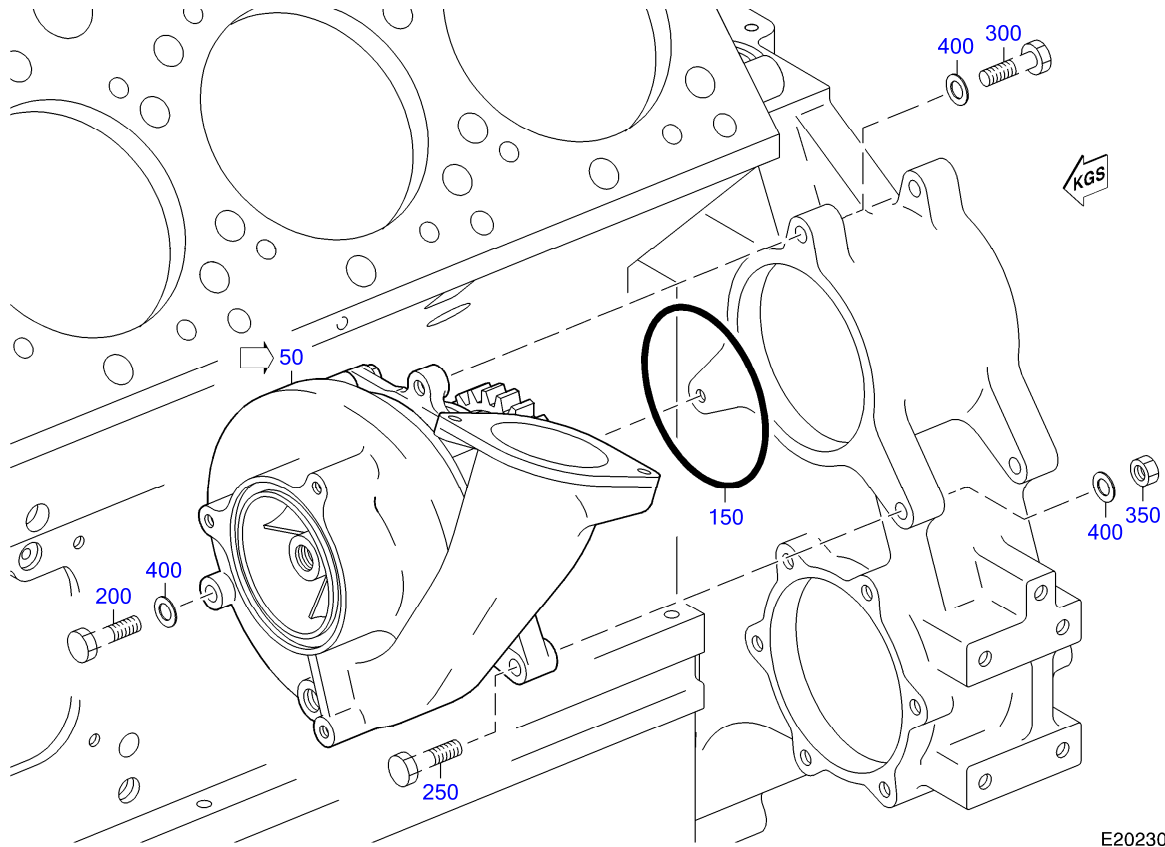
EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
COOLANT PUMP HIGH-TEMP CIRCUIT

SERIAL NUMBER: 526108120

FG/FGS: 202 05

BOM-No.: X00011161



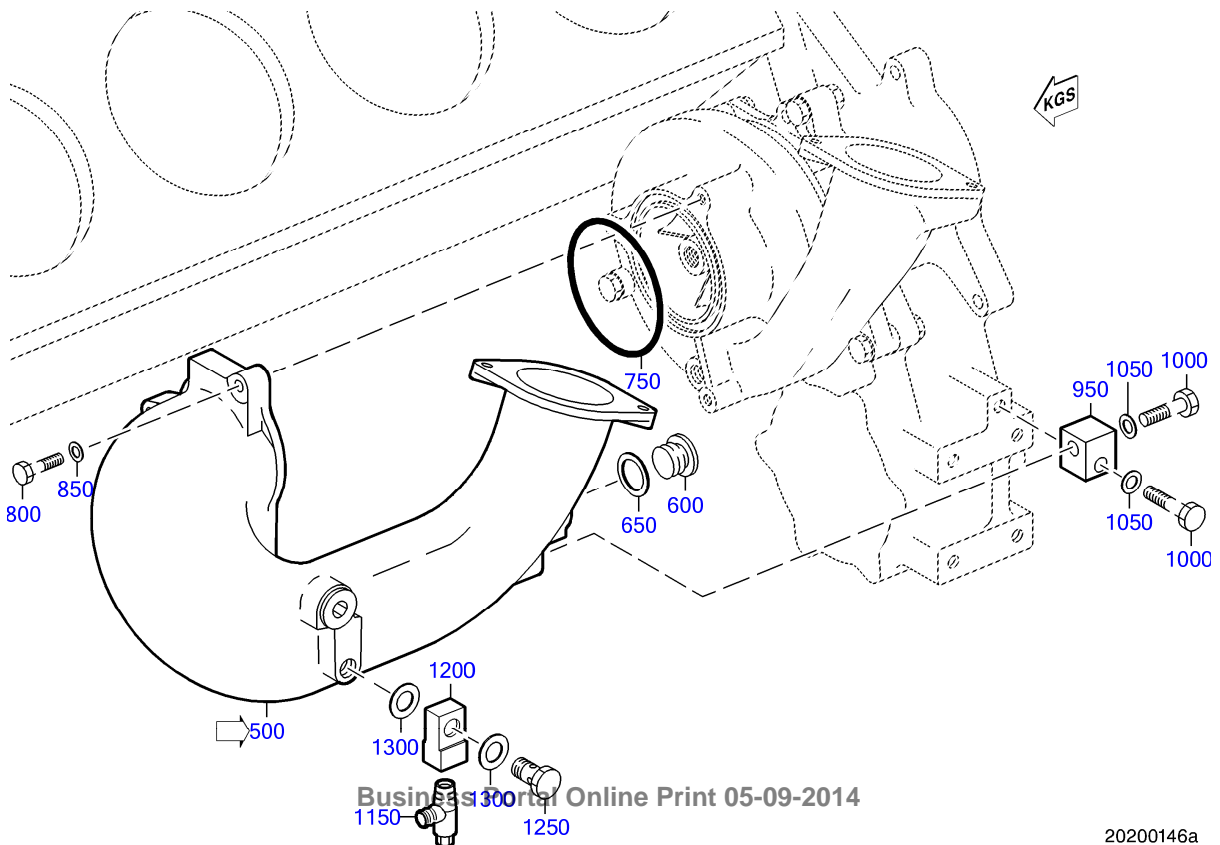
EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
COOLANT PUMP HIGH-TEMP CIRCUIT

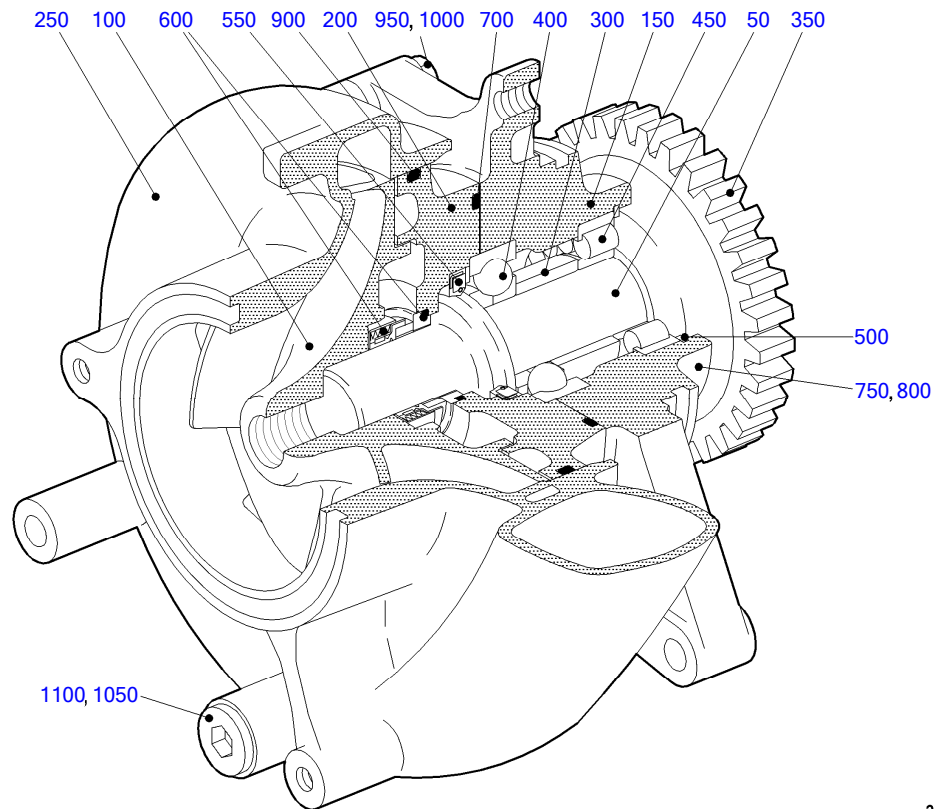
SERIAL NUMBER: 526108120

FG/FGS: 202 05

BOM-No.: X00011161

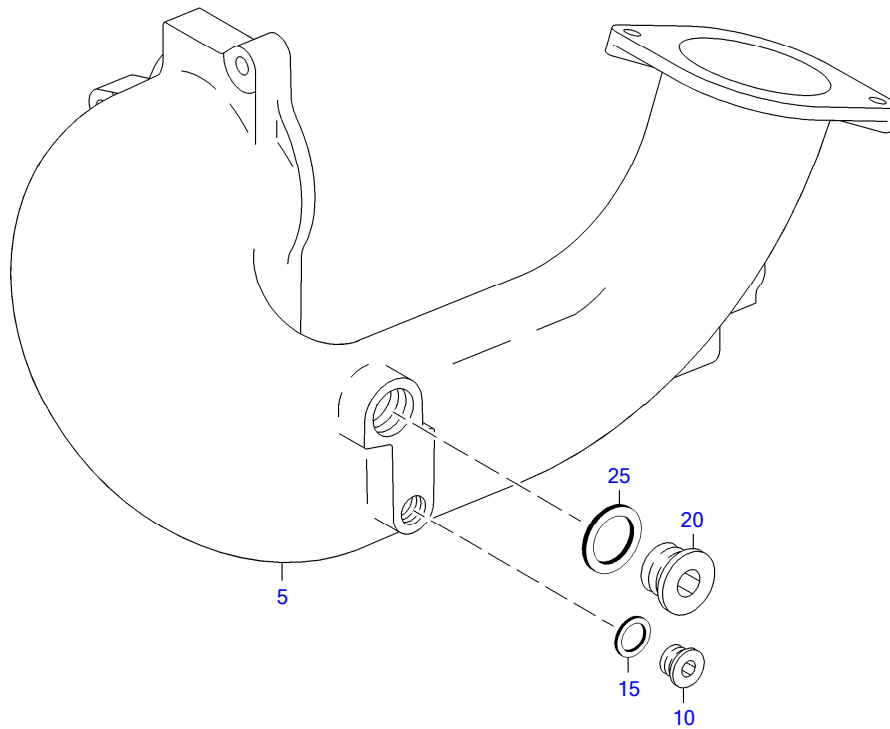


POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
50	X52620200081	PUMP ASM WTR HI TEMP CLG CIRCUIT		1	pc	31,000 kg	EM		
150	700429130003	O-RING		1	pc	18,000 g		130 X 5	MMN429
200	000931012176	BOLT HEX		1	pc	138,500 g		M 12 X150	DIN931
250	000933012040	BOLT HEX		1	pc	70,400 g		M 12 X 75	DIN933
300	000933012050	BOLT HEX		1	pc	57,000 g		M 12 X 55	DIN933
350	000934012008	NUT HEX		1	pc	15,200 g		M 12	DIN934
400	000125013012	WASHER		3	pc	5,500 g		A 13	DIN125
500	5242001118	ELBOW	BR4000	1	pc	12,000 kg			
600	000908030002	THREAD PLUG		1	pc	0,085 kg		M 30 X 1,5	DIN908
650	007603030101	COPPER SEALING RING		1	pc	4,300 g		A 30 X 36	DIN7603
750	700429120002	O-RING		1	pc	24,600 g		120 X 6	MMN429
800	000933010094	BOLT HEX		3	pc	31,500 g		M 10 X 40	DIN933
850	000125010524	WASHER		3	pc	3,100 g		A 10,5	DIN125
950	5242030340	SUPPORT MTG HOLDER		1	pc	295,000 g			
1000	000933012051	BOLT HEX S2000/4000		2	pc	53,200 g	MN	M 12 X 50	DIN933
1050	000125013012	WASHER		2	pc	5,500 g		A 13	DIN125
1150	0049976736	VALVE DRAIN		1	pc	125,000 g			
1200	5242000184	CONNECTING PIECE	BR 4000	1	pc	180,500 g			
1250	700223010000	BOLT BANJO A12		1	pc	64,800 g		A 12	MMN223
1300	007603018101	COPPER SEALING RING		2	pc	1,300 g		A 18 X 22	DIN7603



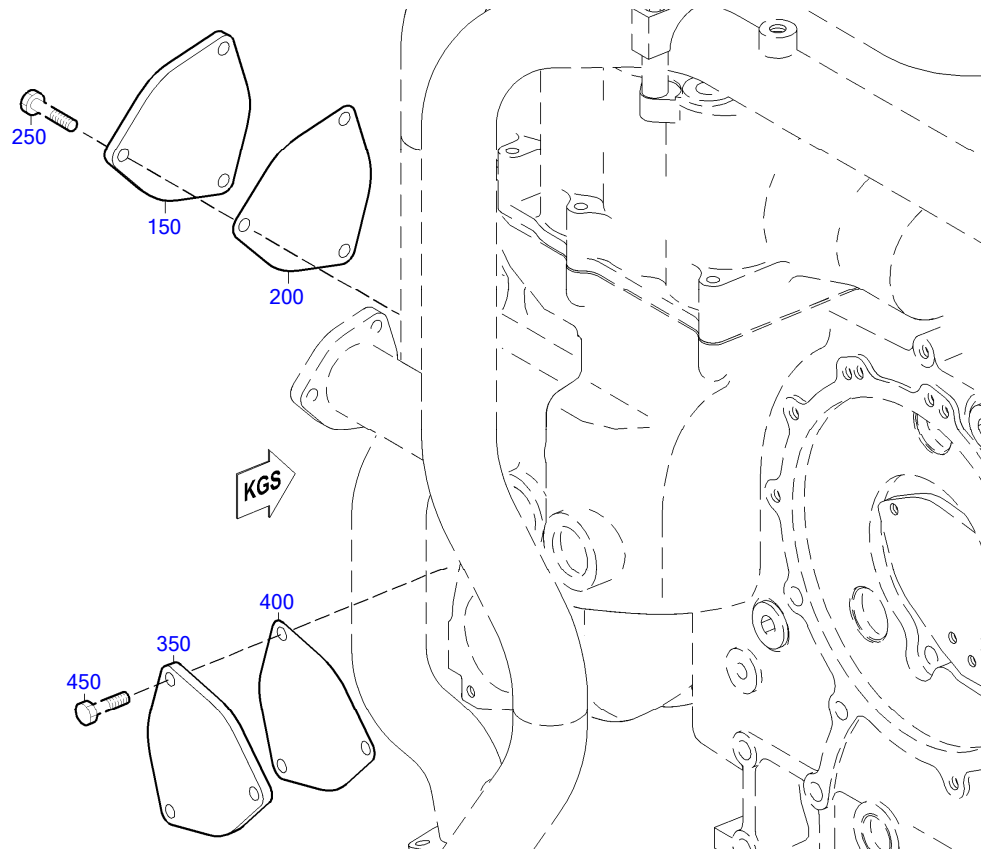
20201150a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
50	5272010805	SHAFT WTR PMP HI TEMP CLG CIRCUIT	1	pc	1,699 kg		
100	X00008653	IMPELLER	1	pc	2,500 kg		
150	5272010010	BEARING HOUSING	1	pc	7,050 kg		
200	X00008652	SEAL CARRIER	1	pc	4,200 kg		
250	X00030047	SPIRAL HOUSING FOR WATER PUMP	1	pc	11,220 kg		
300	5272010153	SPACER SLEEVE	1	pc	172,800 g		
350	X00021750	GEAR	1	pc	1,770 kg		
400	200628103006	BEARING ANGULAR CONTACT ROLLER	1	pc	750,000 g	QJ308	DIN628
450	705100502035	BEARING CYLINDRICAL ROLLER	1	pc	623,000 g	NU208	DIN5412
500	000472080000	RING SNAP	1	pc	22,000 g	80 X 2,5	DIN472
550	700386050002	SEAL OIL	1	pc	30,800 g	A 50 X 72 X 8	MMN386
600	X00026765	ROTARY SEAL	1	pc	74,000 g		
700	700429135000	O-RING	1	pc	18,600 g	135 X 5	MMN429
750	000931008241	BOLT HEX	4	pc	32,100 g	M 8 X 75	DIN931
800	000125008427	WASHER	4	pc	1,500 g	A 8,4	DIN125
900	700429172000	O-RING	1	pc	24,000 g	172 X 5	MMN429
950	000933010093	SCREW CAP HEX M10-1.5 X 35MM DIN 933 G	4	pc	29,100 g	M 10 X 35	DIN933
1000	000125010524	WASHER	4	pc	3,100 g	A 10,5	DIN125
1050	007603018101	COPPER SEALING RING	1	pc	1,300 g	A 18 X 22	DIN7603
1100	000908018002	PLUG	1	pc	0,029 kg	M 18 X 1,5	DIN908



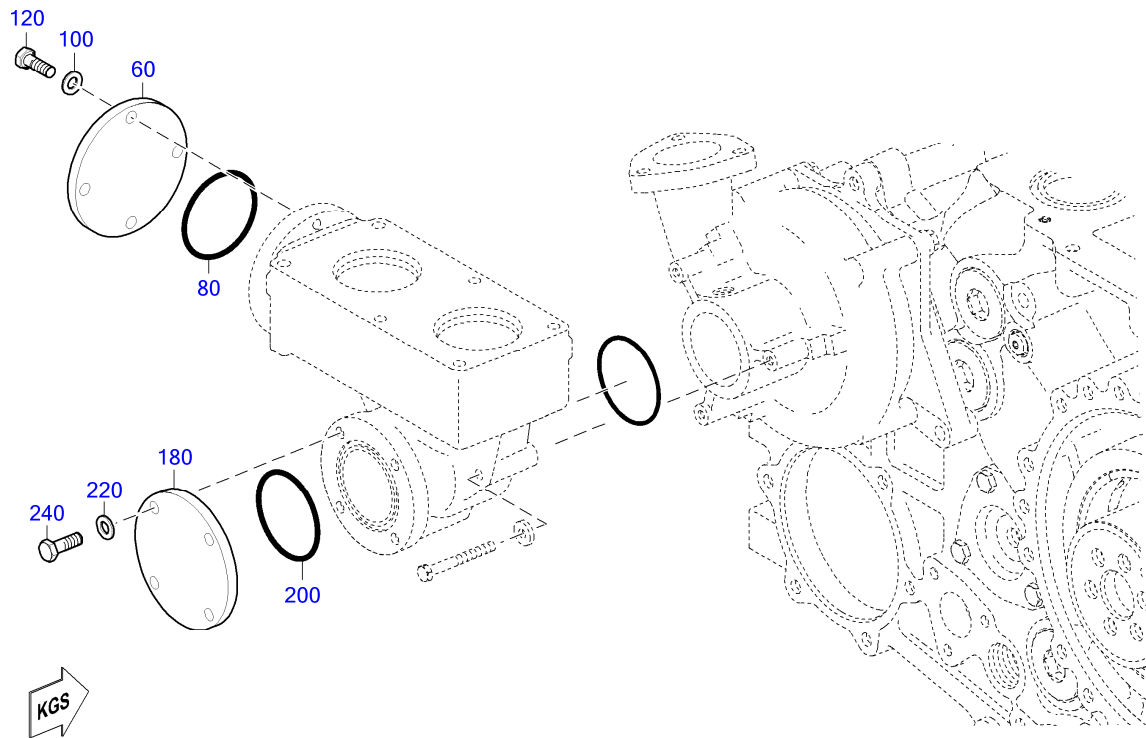
E0005720a0

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
5	5242032122	ELBOW	BR4000	1	pc			
10	000908018002	PLUG		1	pc	0,029 kg	M 18 X 1,5	DIN908
15	007603018101	COPPER SEALING RING		1	pc	1,300 g	A 18 X 22	DIN7603
20	000908030002	THREAD PLUG		1	pc	0,085 kg	M 30 X 1,5	DIN908
25	007603030101	COPPER SEALING RING		1	pc	4,300 g	A 30 X 36	DIN7603



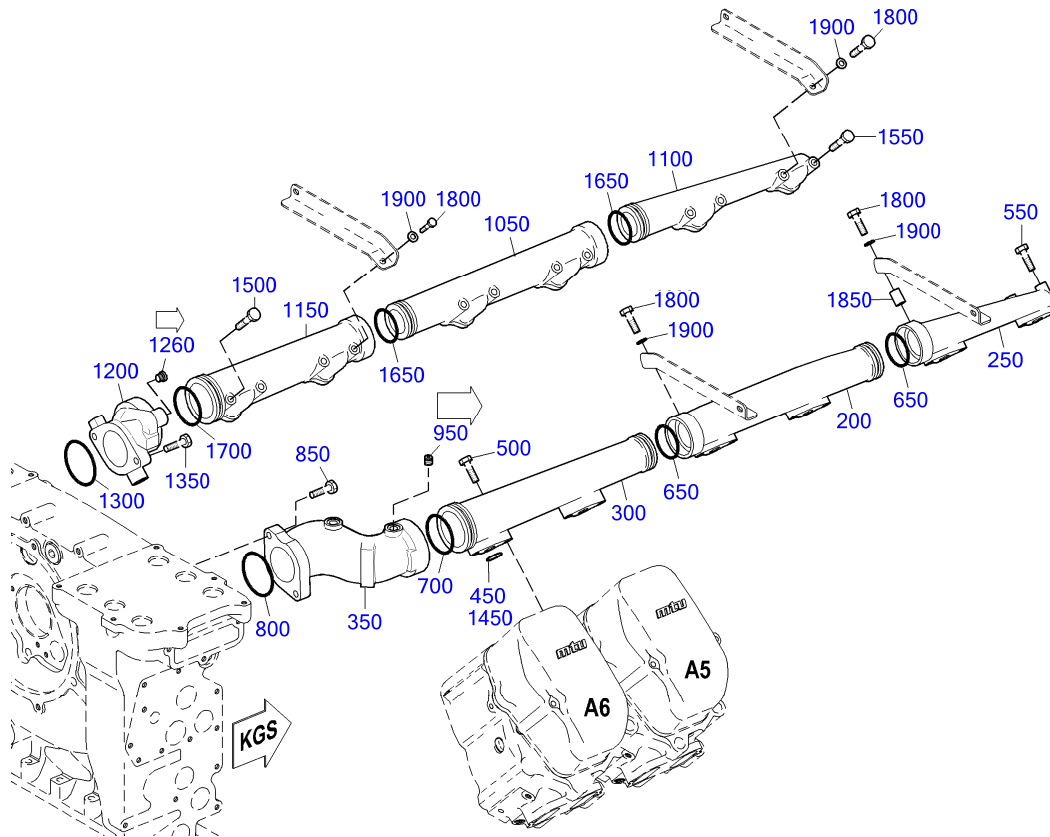
20200752a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
150	X00021527	COVER BLIND	1	pc	1.215,000		
200	X00021730	GASKET	1	pc	23,600 g		
250	000000003021	HEX SCREW	3	pc	22,800 g	M 10 X 25	ISO4017
350	X00021527	COVER BLIND	1	pc	1.215,000		
400	X00021730	GASKET	1	pc	23,600 g		
450	000000003021	HEX SCREW	3	pc	22,800 g	M 10 X 25	ISO4017



20202783

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
60	X52999100037	BLIND FLANGE	1	pc	849,100 g		
80	700429072000	O-RING	1	pc	3,600 g	72 X 3	MMN429
100	000125010524	WASHER	4	pc	3,100 g	A 10,5	DIN125
120	000000001464	BOLT HEX A3C	4	pc	24,900 g	M 10 X 30	ISO4017
180	X52999100037	BLIND FLANGE	1	pc	849,100 g		
200	700429072000	O-RING	1	pc	3,600 g	72 X 3	MMN429
220	000125010524	WASHER	4	pc	3,100 g	A 10,5	DIN125
240	000000001464	BOLT HEX A3C	4	pc	24,900 g	M 10 X 30	ISO4017



20201183a

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
200	X52620200003	MANIFOLD		1	pc	6,100 kg			
250	5242032401	MANIFOLD		1	pc	3,000 kg	SB		
300	5242032301	MANIFOLD		1	pc	5,848 kg	SB		
350	5282030208	ELBOW CONNECTOR HT WATER CIRCUIT	20V4000LH	1	pc	5,247 kg			
450	700429024000	O-RING		6	pc	3,900 g	24 X 5		MMN429
500	000931010315	BOLT HEX		7	pc	67,800 g	M 10 X100		DIN931
550	000931010283	BOLT HEX		3	pc	53,500 g	M 10 X 75		DIN931
650	700429058002	O-RING		2	pc	22,900 g	58 X 8		MMN429
700	700429085002	O-RING		1	pc	17,500 g	85 X 6		MMN429
800	700429083000	O-RING		1	pc	11,700 g	83 X 5		MMN429
850	000933010094	BOLT HEX		2	pc	31,500 g	M 10 X 40		DIN933
950	735210014000	THREAD PLUG		2	pc	0,019 kg	M 14 X 1,5		MTN5210
1050	X52620200003	MANIFOLD		1	pc	6,100 kg			
1100	5242032201	MANIFOLD		1	pc	3,400 kg	SB		
1150	5242032001	MANIFOLD		1	pc	5,400 kg	SB		
1200	5282030308	ELBOW CONNECTOR HT WATER CIRCUIT	20V4000LH	1	pc	2,845 kg			
1260	735210014000	THREAD PLUG		1	pc	0,019 kg	M 14 X 1,5		MTN5210
1300	700429083000	O-RING		1	pc	11,700 g	83 X 5		MMN429
1350	000933010094	BOLT HEX		2	pc	31,500 g	M 10 X 40		DIN933
1450	700429024000	O-RING		6	pc	3,900 g	24 X 5		MMN429
1500	000931010315	BOLT HEX		6	pc	67,800 g	M 10 X100		DIN931
1550	000931010283	BOLT HEX		4	pc	53,500 g	M 10 X 75		DIN931
1650	700429058002	O-RING		2	pc	22,900 g	58 X 8		MMN429
1700	700429085002	O-RING		1	pc	17,500 g	85 X 6		MMN429
1800	000931010292	BOLT HEX		4	pc	73,700 g	M 10 X110		DIN931

EQUI TYPE: Engine

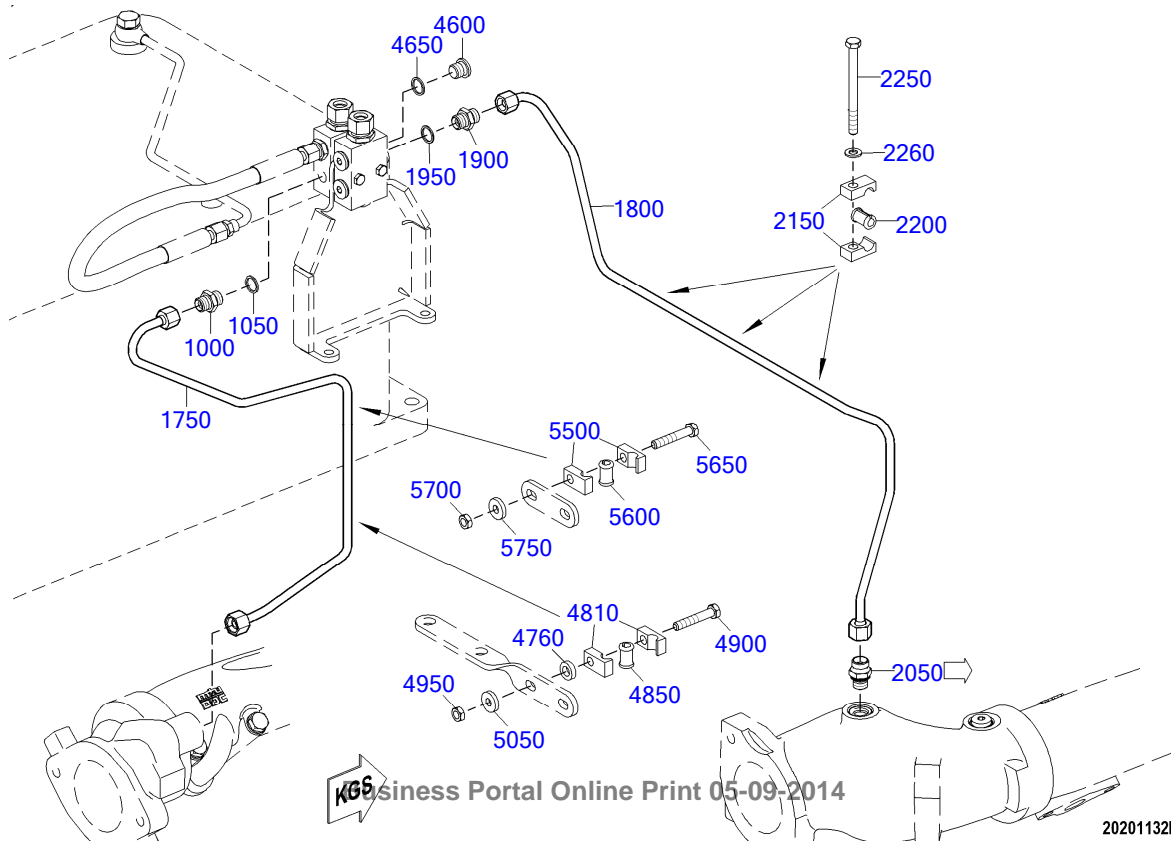
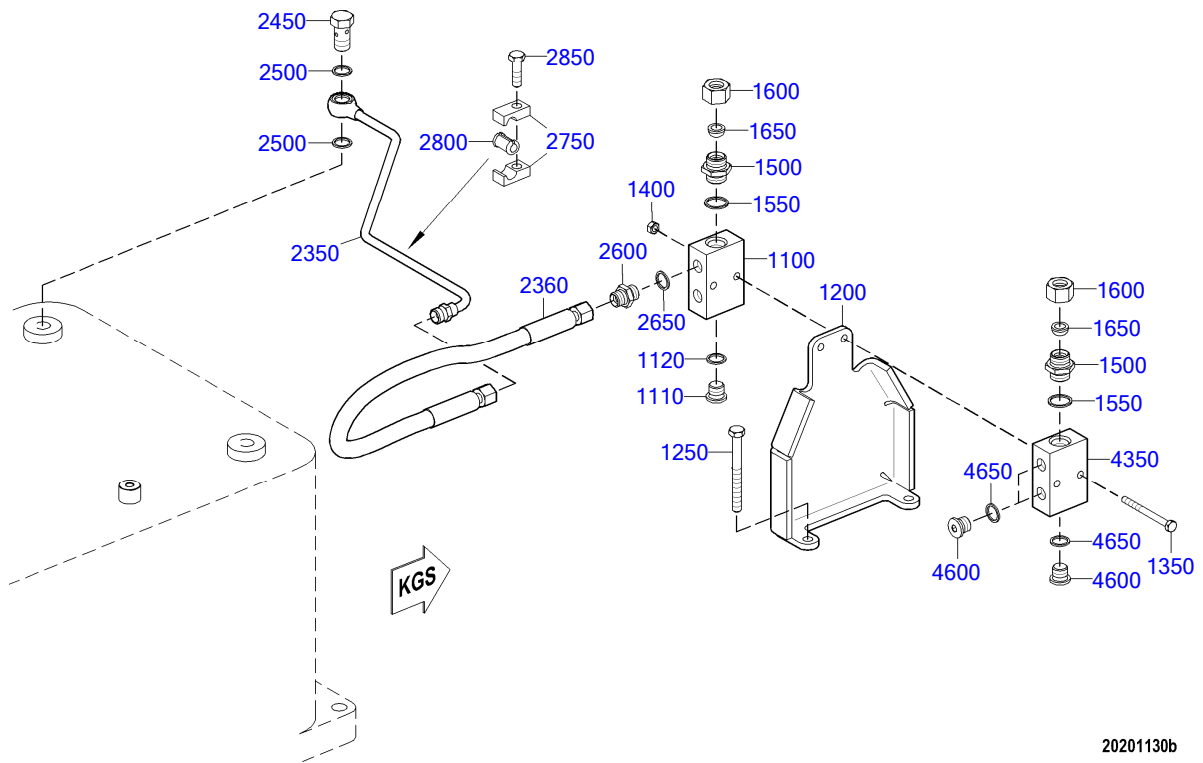
PRODUCT TYPE: 12V4000G23R
COOLANT DUCTING HIGH-TEMP CIRCUIT

SERIAL NUMBER: 526108120

FG/FGS: 202 20

BOM-No.: X00028572

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
1850	5599920201	SPACER BUSHING		1	pc	43,400 g		12MM X 20MM L=28	
1900	000125010524	WASHER		4	pc	3,100 g		A 10,5	DIN125



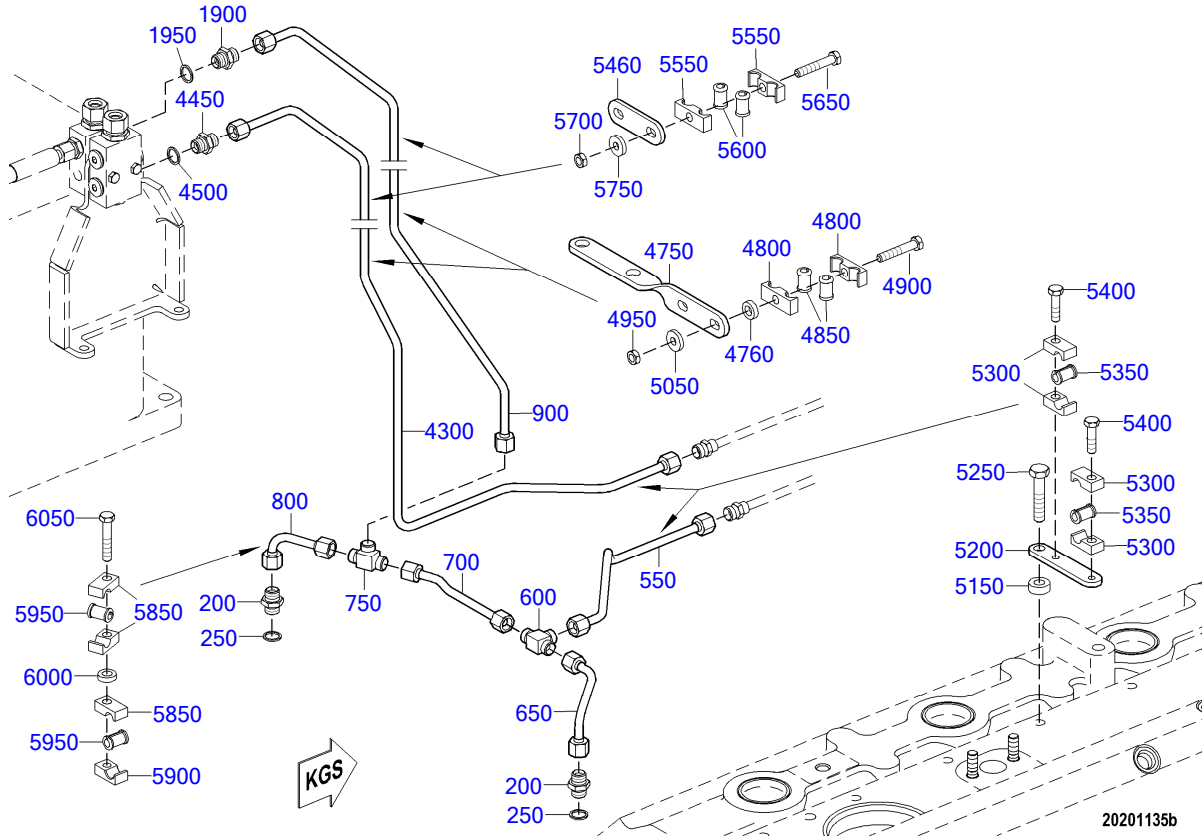
EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
COOLANT VENT LT/HT SYSTEM

SERIAL NUMBER: 526108120

FG/FGS: 202 65

BOM-No.: X00031661



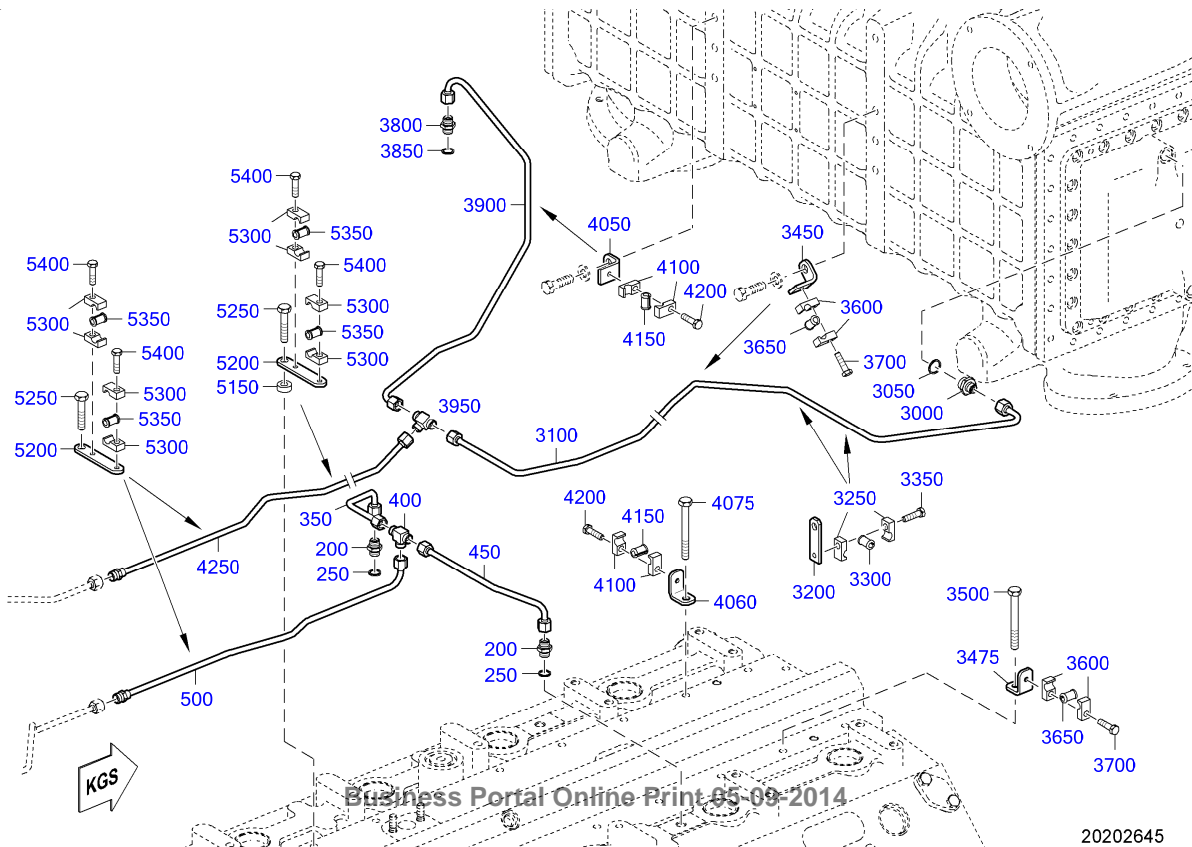
EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
COOLANT VENT LT/HT SYSTEM

SERIAL NUMBER: 526108120

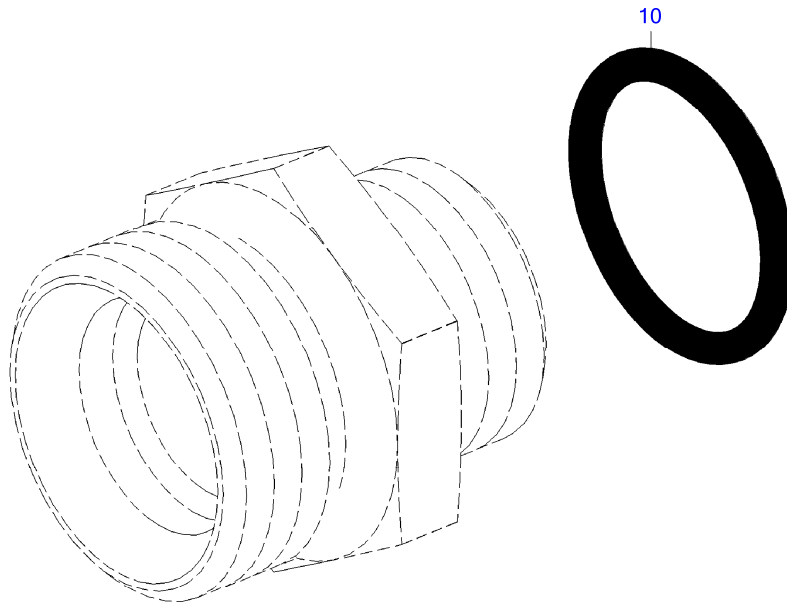
FG/FGS: 202 65

BOM-No.: X00031661



POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
200	915006006000	UNION		4	pc	22,900 g		6	N15006
250	007603014102	COPPER SEALING RING		4	pc	1,000 g		A 14 X 18	DIN7603
350	X00038566	TUBE BREATHER VENT 199.957		1	pc	66,500 g	SB EM		
400	5569970574	FITTING TEE		1	pc	48,000 g		DN 6 / M14X1,5	
450	X00038570	TUBE BREATHER VENT 259.113		1	pc	75,000 g	SB EM		
500	X00038568	TUBE BREATHER VENT 585.538		1	pc	130,000 g	SB EM		
550	X00027619	TUBE BREATHER VENT 348.979		1	pc	93,600 g	SB EM		
600	5569970574	FITTING TEE		1	pc	48,000 g		DN 6 / M14X1,5	
650	5282000258	TUBE BREATHER VENT	20V400LH	1	pc	53,000 g			
700	X00015980	TUBE BREATHER VENT 174.143		1	pc	65,000 g	SB		
750	5569970574	FITTING TEE		1	pc	48,000 g		DN 6 / M14X1,5	
800	5282000658	TUBE BREATHER VENT	20V400LH	1	pc	46,800 g			
900	X00040696	TUBE BREATHER VENT 686.585		1	pc	150,000 g	SB		
1000	5249972672	ADAPTER 60DEG M14X1.5	BLENDE +2MM	1	pc	26,200 g			
1050	007603014102	COPPER SEALING RING		1	pc	1,000 g		A 14 X 18	DIN7603
1100	5240780045	BLOCK JUNCTION MULTI-PORT		1	pc	404,000 g	EM		
1110	000908014001	THREAD PLUG		1	pc	0,016 kg		M 14 X 1,5	DIN908
1120	007603014102	COPPER SEALING RING		1	pc	1,000 g		A 14 X 18	DIN7603
1200	X00013039	BRACKET		1	pc	1,500 kg			
1250	000000001463	BOLT HEX A3C		2	pc	30,500 g		M 8 X 80	ISO4017
1350	204014006006	HEX SCREW		2	pc	15,200 g		M 6 X 65	ISO4014
1400	304032006011	HEX NUT		2	pc	2,200 g		M 6	ISO4032
1500	915006010002	UNION		2	pc	32,200 g		10	N15006
1550	007603018101	COPPER SEALING RING		2	pc	1,300 g		A 18 X 22	DIN7603
1600	915001010004	NUT		2	pc	20,000 g		10 M 18 X 1,5	N15001
1650	915005010000	CONE SEALING 12		2	pc	5,400 g		12	MBN15005
1750	X52820200080	TUBE VENT LINE	67,0	1	pc	156,600 g	SB		
1800	X00040693	TUBE VENT H.T. WAT MANIFOLD 819.000		1	pc	180,000 g	SB		
1900	5249972672	ADAPTER 60DEG M14X1.5	BLENDE +2MM	2	pc	26,200 g			
1950	007603014102	COPPER SEALING RING		2	pc	1,000 g		A 14 X 18	DIN7603
2050	735211010000	UNION		2	pc	0,029 kg	P	10M 14 X 1,5	MTN5211
2150	700325012100	CLAMP HALF TUBE 1/1 D9-12		6	pc	25,100 g		1/1 D 9 - 12	MMN325
2200	700327008000	GROMMET		3	pc	1,700 g		8	MMN327
2250	204014008025	HEX SCREW		3	pc	40,100 g		M 8 X 95	ISO4014
2260	000125008427	WASHER		3	pc	1,500 g		A 8,4	DIN125
2350	X00030274	TUBE BREATHER VENT 453.387		1	pc	127,600 g	SB EM		
2360	735038006103	HOSE		1	pc	189,300 g		1SN 6 CC 500	MTN5038
2450	700223006000	BOLT BANJO A8 S2000/4000		1	pc	38,800 g		A 8	MMN223
2500	007603014102	COPPER SEALING RING		2	pc	1,000 g		A 14 X 18	DIN7603
2600	5249972672	ADAPTER 60DEG M14X1.5	BLENDE +2MM	1	pc	26,200 g			
2650	007603014102	COPPER SEALING RING		1	pc	1,000 g		A 14 X 18	DIN7603
2750	700325012100	CLAMP HALF TUBE 1/1 D9-12		2	pc	25,100 g		1/1 D 9 - 12	MMN325
2800	700327008000	GROMMET		1	pc	1,700 g		8	MMN327
2850	204017008031	HEX SCREW		1	pc	14,300 g		M 8 X 28	ISO4017
3000	915007010001	CONNECTOR 10/8		1	pc	33,100 g		10 / 8 (M18X1,5/M16X1,5)	N15007
3050	007603018104	WASHER A COP		1	pc	2,000 g		A 18 X 24	DIN7603
3100	X00027617	TUBE BREATHER 1244.673		1	pc	255,000 g	SB EM		
3200	8202033143	BRACKET H:79		2	pc	46,900 g			
3250	700325012100	CLAMP HALF TUBE 1/1 D9-12		4	pc	25,100 g		1/1 D 9 - 12	MMN325
3300	700327008000	GROMMET		2	pc	1,700 g		8	MMN327
3350	204017008031	HEX SCREW		2	pc	14,300 g		M 8 X 28	ISO4017
3450	5612033740	BRACKET L H:81		1	pc	60,600 g			
3475	X52620200052	RETAINER		1	pc	59,200 g			
3500	000000003610	HEX SCREW		1	pc	54,300 g		M 10 X 90	ISO4017

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
3600	700325012100	CLAMP HALF TUBE 1/1 D9-12		4	pc	25,100 g		1/1 D 9 - 12	MMN325
3650	700327008000	GROMMET		2	pc	1,700 g		8	MMN327
3700	204017008031	HEX SCREW		2	pc	14,300 g		M 8 X 28	ISO4017
3800	915006006000	UNION		1	pc	22,900 g		6	N15006
3850	007603014102	COPPER SEALING RING		1	pc	1,000 g		A 14 X 18	DIN7603
3900	X00027616	TUBE BREATHER 710.326 EXTENDED LENGTH		1	pc	155,000 g	SB EM		
3950	5569970574	FITTING TEE		1	pc	48,000 g		DN 6 / M14X1,5	
4050	5612033740	BRACKET L H:81		1	pc	60,600 g			
4060	X52620200052	RETAINER		1	pc	59,200 g			
4075	000000003610	HEX SCREW		1	pc	54,300 g		M 10 X 90	ISO4017
4100	700325012100	CLAMP HALF TUBE 1/1 D9-12		4	pc	25,100 g		1/1 D 9 - 12	MMN325
4150	700327008000	GROMMET		2	pc	1,700 g		8	MMN327
4200	204017008031	HEX SCREW		2	pc	14,300 g		M 8 X 28	ISO4017
4250	X00027615	TUBE BREATHER VENT 730.761		1	pc	160,000 g	SB EM		
4300	X00040697	TUBE BREATHER VENT 1000.645		1	pc	200,000 g	SB		
4350	5240780045	BLOCK JUNCTION MULTI-PORT		1	pc	404,000 g	EM		
4450	915006006000	UNION		1	pc	22,900 g		6	N15006
4500	007603014102	COPPER SEALING RING		1	pc	1,000 g		A 14 X 18	DIN7603
4600	000908014001	THREAD PLUG		4	pc	0,016 kg		M 14 X 1,5	DIN908
4650	007603014102	COPPER SEALING RING		4	pc	1,000 g		A 14 X 18	DIN7603
4750	X00013438	BRACKET BREATHER		1	pc	244,000 g			
4760	5511532050	SPACER BUSHING		2	pc	6,600 g			
4800	700325012104	CLAMP HALF TUBE 2/1 D9-12		2	pc	33,800 g		2/1 D 9 - 12	MMN325
4810	700325012100	CLAMP HALF TUBE 1/1 D9-12		2	pc	25,100 g		1/1 D 9 - 12	MMN325
4850	700327008000	GROMMET		3	pc	1,700 g		8	MMN327
4900	304017008086	BOLT HEX A3C		2	pc	19,400 g		M 8 X 45	ISO4017
4950	304032008014	NUT HEX 8 A3C		2	pc	4,800 g		M 8	ISO4032
5050	007349008002	WASHER		2	pc	8,300 g		8,4	DIN7349
5150	5599900040	SPACER S2000/S4000		2	pc	15,700 g			
5200	X00038101	BRACKET FLAT		3	pc	0,069 kg			
5250	000000001042	BOLT HEX A3C		3	pc	34,600 g		M 10 X 50	ISO4017
5300	700325012100	CLAMP HALF TUBE 1/1 D9-12		12	pc	25,100 g		1/1 D 9 - 12	MMN325
5350	700327008000	GROMMET		6	pc	1,700 g		8	MMN327
5400	204017008031	HEX SCREW		6	pc	14,300 g		M 8 X 28	ISO4017
5460	X00040132	BRACKET		1	pc	64,000 g			
5500	700325012100	CLAMP HALF TUBE 1/1 D9-12		2	pc	25,100 g		1/1 D 9 - 12	MMN325
5550	700325012104	CLAMP HALF TUBE 2/1 D9-12		2	pc	33,800 g		2/1 D 9 - 12	MMN325
5600	700327008000	GROMMET		3	pc	1,700 g		8	MMN327
5650	304017008085	BOLT HEX		2	pc	18,000 g		M 8 X 40	ISO4017
5700	304032008014	NUT HEX 8 A3C		2	pc	4,800 g		M 8	ISO4032
5750	007349008002	WASHER		2	pc	8,300 g		8,4	DIN7349
5850	700325012100	CLAMP HALF TUBE 1/1 D9-12		3	pc	25,100 g		1/1 D 9 - 12	MMN325
5900	700325012200	CLAMP HALF TUBE 1/1 G8-12		1	pc	26,200 g		1/1 G 8 - 12	MMN325
5950	700327008000	GROMMET		2	pc	1,700 g		8	MMN327
6000	5511532050	SPACER BUSHING		1	pc	6,600 g			
6050	304017008086	BOLT HEX A3C		1	pc	19,400 g		M 8 X 45	ISO4017



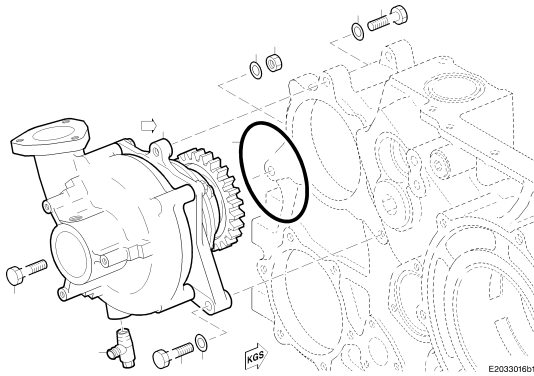
08600232a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	735221011000	O-RING	1	pc	0,300 g	11,3 X 2,2 - M14X1,5	MTN5221

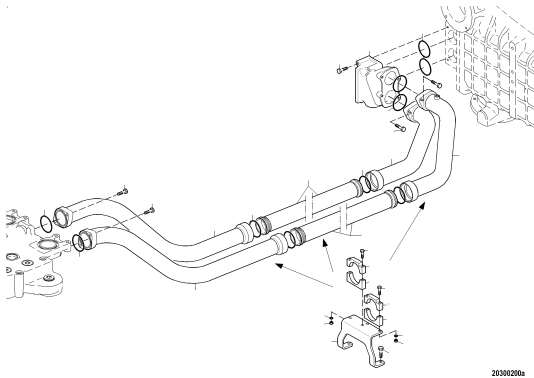
GROUP SEGMENT (FGS)

GROUP NAME

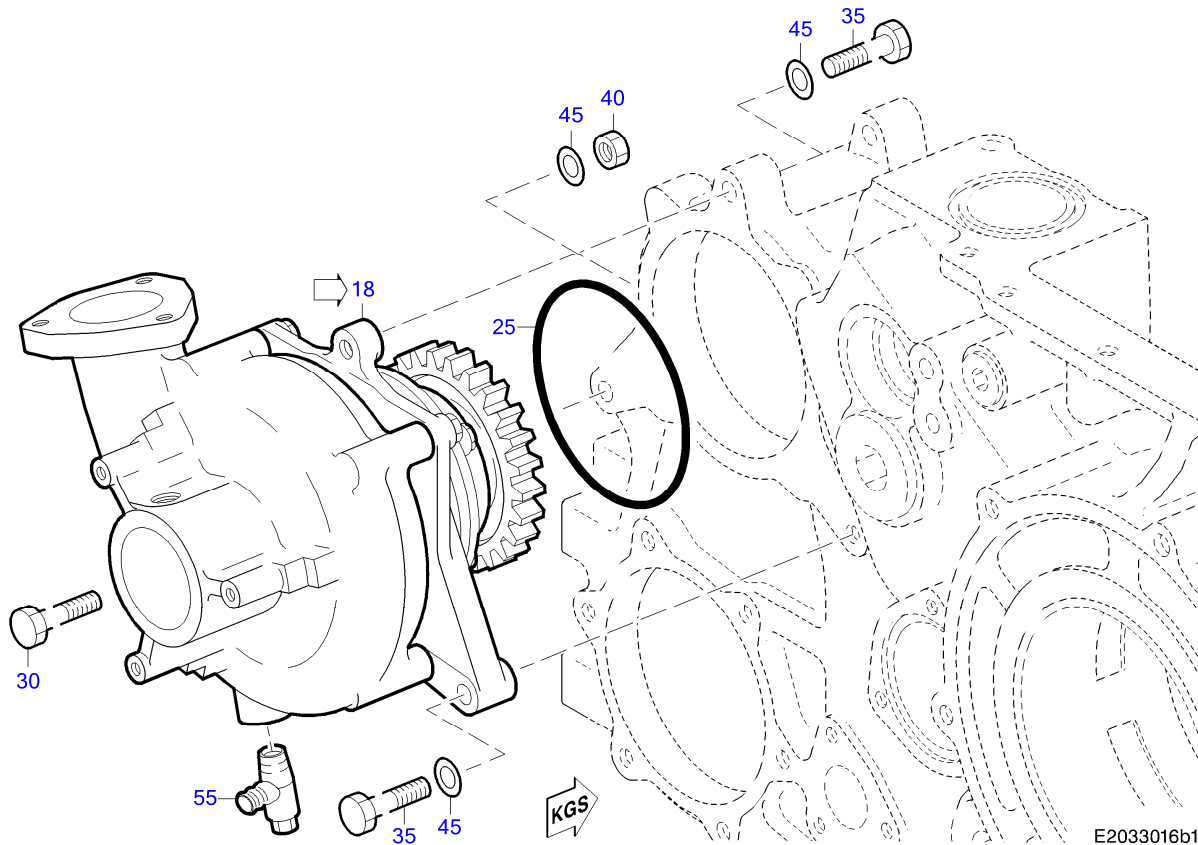
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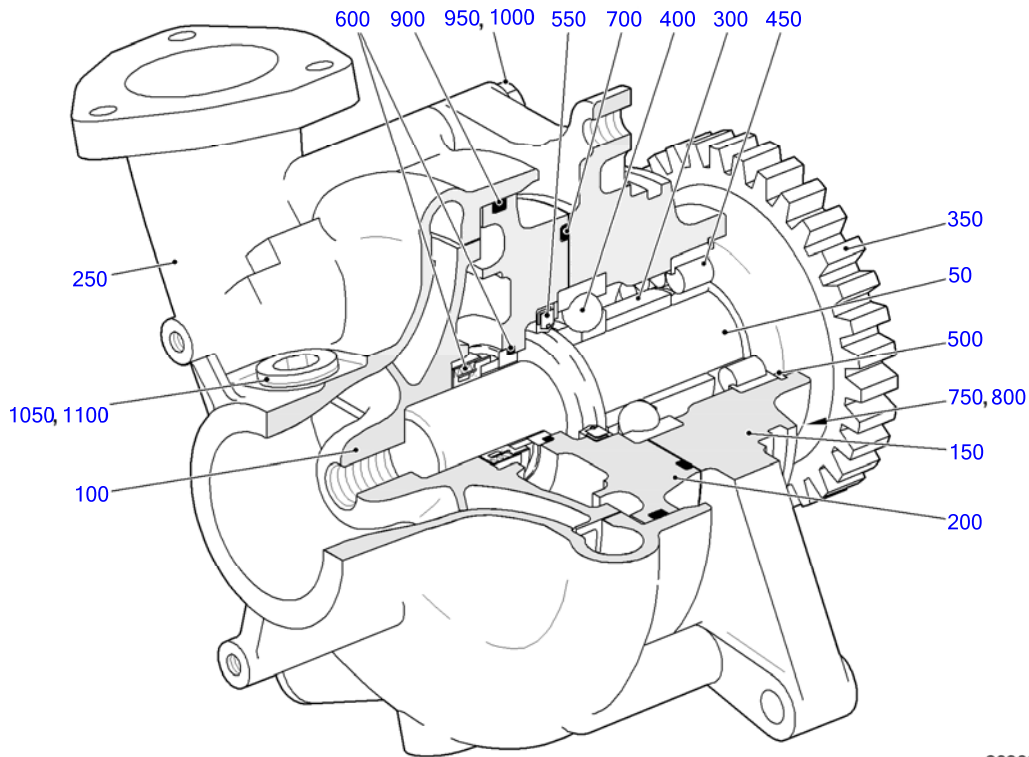
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COOLANT PUMP
200.00321



25
COOLANT DUCTING LT CIRCUIT
X00015461

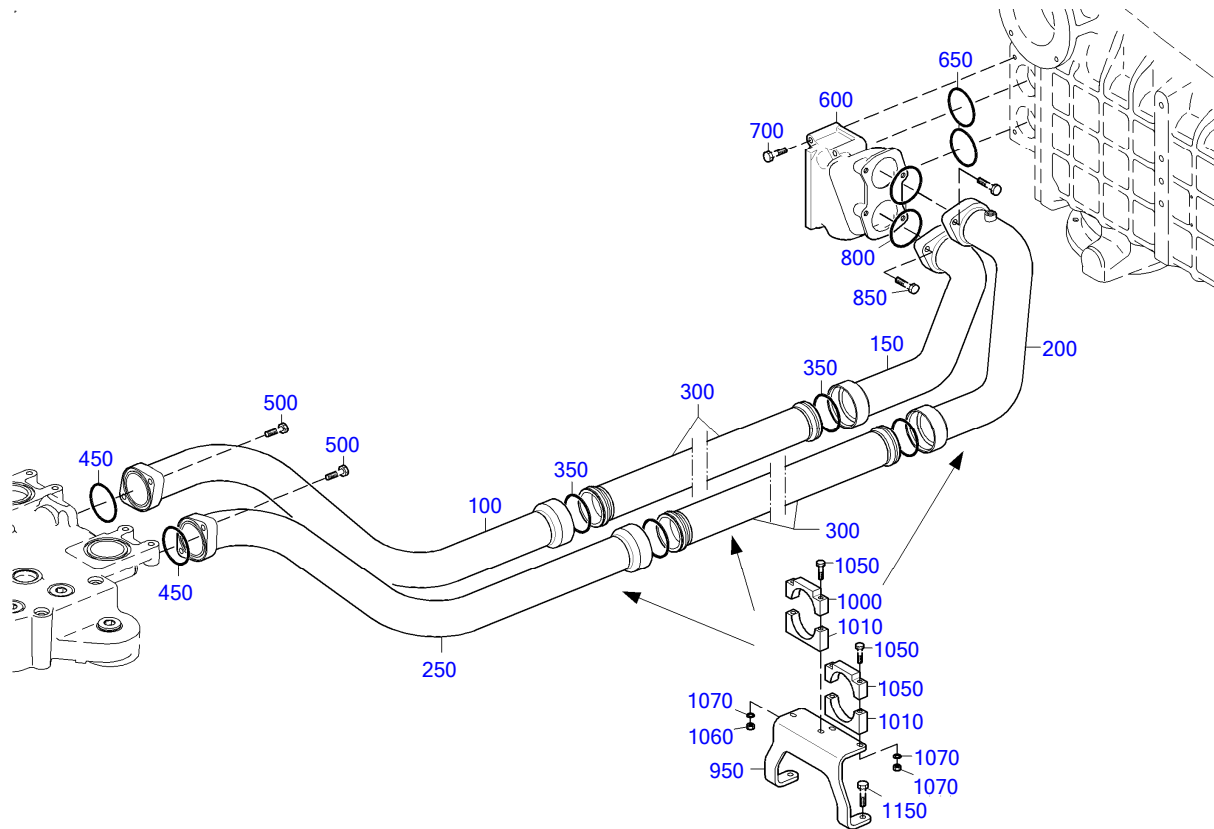


POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
18	X52420300001	PUMP ASM WTR LOW TEMP CLG CIRCUIT	1	pc	26,000 kg	EM		
25	700429130003	O-RING	1	pc	18,000 g		130 X 5	MMN429
30	000931012143	BOLT HEX	1	pc	72,500 g		M 12 X 70	DIN931
35	000933012051	BOLT HEX S2000/4000	2	pc	53,200 g	MN	M 12 X 50	DIN933
40	000934012008	NUT HEX	1	pc	15,200 g		M 12	DIN934
45	000125013012	WASHER	3	pc	5,500 g		A 13	DIN125
55	0049976736	VALVE DRAIN	1	pc	125,000 g			



20300571

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
50	5272010805	SHAFT WTR PMP HI TEMP CLG CIRCUIT	1	pc	1,699 kg		
100	X00008657	IMPELLER F/ENGINE COOLANT PM	1	pc	765,000 g		
150	5272010010	BEARING HOUSING	1	pc	7,050 kg		
200	X00008652	SEAL CARRIER	1	pc	4,200 kg		
250	X00008656	SPIRAL HOUSING LT CIRCUIT	1	pc	8,000 kg		
300	5272010153	SPACER SLEEVE	1	pc	172,800 g		
350	X00021750	GEAR	1	pc	1,770 kg		
400	200628103006	BEARING ANGULAR CONTACT ROLLER	1	pc	750,000 g	QJ308	DIN628
450	705100502035	BEARING CYLINDRICAL ROLLER	1	pc	623,000 g	NU208	DIN5412
500	000472080000	RING SNAP	1	pc	22,000 g	80 X 2,5	DIN472
550	700386050002	SEAL OIL	1	pc	30,800 g	A 50 X 72 X 8	MMN386
600	X00026765	ROTARY SEAL	1	pc	74,000 g		
700	700429135000	O-RING	1	pc	18,600 g	135 X 5	MMN429
750	000931008241	BOLT HEX	4	pc	32,100 g	M 8 X 75	DIN931
800	000125008427	WASHER	4	pc	1,500 g	A 8,4	DIN125
900	700429172000	O-RING	1	pc	24,000 g	172 X 5	MMN429
950	000933010093	SCREW CAP HEX M10-1.5 X 35MM DIN 933 G	4	pc	29,100 g	M 10 X 35	DIN933
1000	000125010524	WASHER	4	pc	3,100 g	A 10,5	DIN125
1050	007603018101	COPPER SEALING RING	2	pc	1,300 g	A 18 X 22	DIN7603
1100	000908018002	PLUG	2	pc	0,029 kg	M 18 X 1,5	DIN908



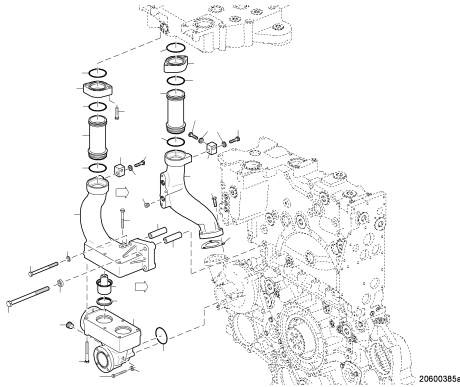
20300200a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
100	X00020133	TUBE ASM COOLANT SUPPLY 969.617	1	pc	5,256 kg	SB		
150	X00020135	TUBE ASM COOLANT RETURN 583.391	1	pc	3,815 kg	SB		
200	X00020132	TUBE ASM COOLANT FEED 636.301	1	pc	4,061 kg	SB		
250	X00020130	TUBE ASM COOLANT RETURN 1023.369	1	pc	5,508 kg	SB		
300	5262003751	TUBE ASM	2	pc	1,300 kg			
350	700429070000	O-RING	4	pc	10,300 g		70 X 5	MMN429
450	700429076000	O-RING	2	pc	7,000 g		76 X 4	MMN429
500	000000001039	BOLT HEX A3C	4	pc	29,800 g		M 10 X 40	ISO4017
600	X00020454	ELBOW TWIN	1	pc	9,500 kg			
650	700429076000	O-RING	2	pc	7,000 g		76 X 4	MMN429
700	000931010296	BOLT HEX	4	pc	59,200 g		M 10 X 85	DIN931
800	700429076000	O-RING	2	pc	7,000 g		76 X 4	MMN429
850	000000001039	BOLT HEX A3C	4	pc	29,800 g		M 10 X 40	ISO4017
950	X00038225	BRACKET CAC COOLANT TUBES	2	pc	1,900 kg			
1000	700346070101	CLAMP HALF PIPE AD 9-70	4	pc	305,000 g		AD 9 - 70	MMN346
1010	700346070201	CLAMP HALF PIPE BD 9-70	4	pc	340,000 g		BD 9 - 70	MMN346
1050	000931008209	BOLT HEX	8	pc	39,800 g		M 8 X 95	DIN931
1060	304032008014	NUT HEX 8 A3C	8	pc	4,800 g		M 8	ISO4032
1070	007349008002	WASHER	8	pc	8,300 g		8,4	DIN7349
1150	000000001042	BOLT HEX A3C	3	pc	34,600 g		M 10 X 50	ISO4017

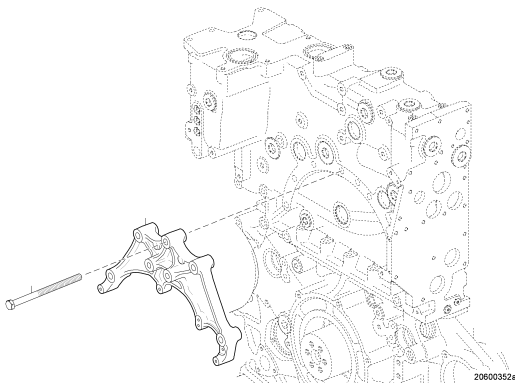
GROUP SEGMENT (FGS)

GROUP NAME

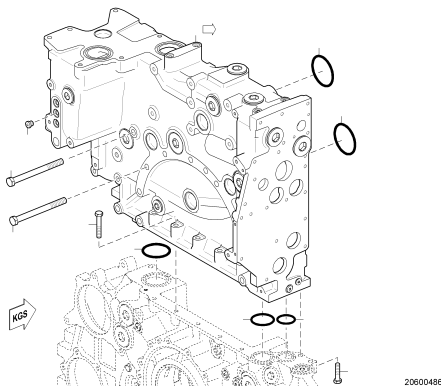
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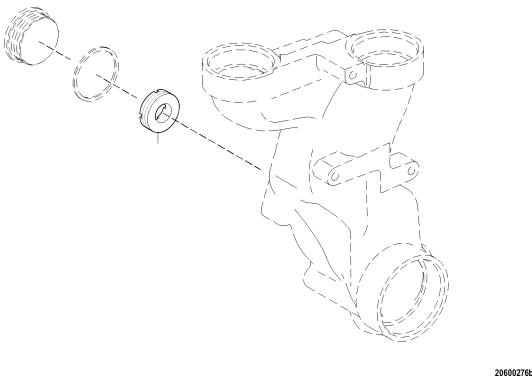
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THERMOSTAT HOUSING LT CIRCUIT
X00022898



05
RETAINER
XS526200.00043



05
COOLANT DISTRIB HSG
XS526200.00044



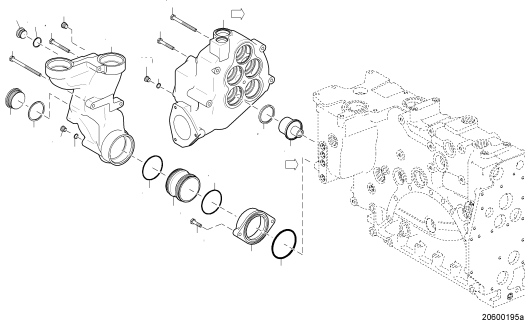
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RESTRICTOR
X00028741

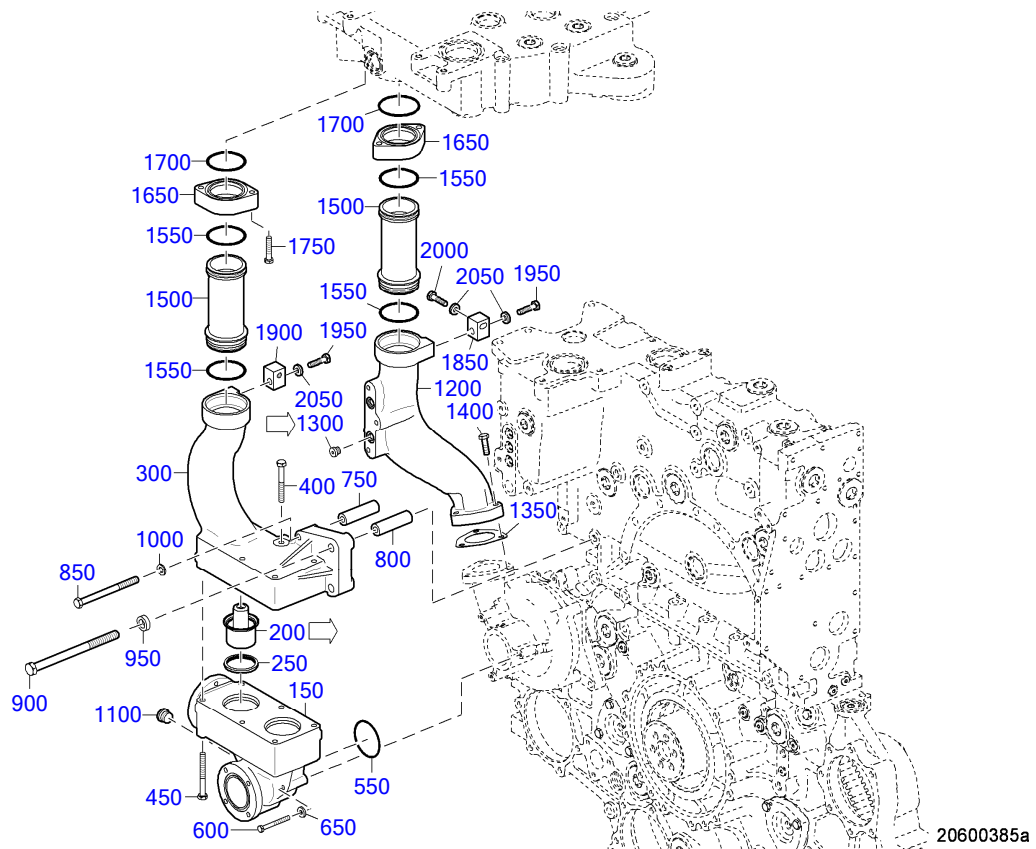
GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

15
THERMOSTAT HOUSING
200.00248





POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
150	5282030573	HOUSING THERMOSTAT		1	pc	13,500 kg			
200	0052031575	THERMAL ACTUATOR		2	pc	175,000 g	EM		
250	05132155	SEALING RING		2	pc	20,000 g			
300	X54720300079	THERMOSTAT HOUSING		1	pc	11,000 kg			
400	000931010296	BOLT HEX		4	pc	59,200 g	M 10 X 85		DIN931
450	000931010229	BOLT HEX		2	pc	64,700 g	M 10 X 95		DIN931
550	700429072000	O-RING		1	pc	3,600 g	72 X 3		MMN429
600	304017008090	BOLT		3	pc	27,300 g	M 8 X 70		ISO4017
650	007349008002	WASHER		3	pc	8,300 g	8,4		DIN7349
750	5282030653	TUBE SPACER		1	pc	235,700 g			
800	X00020527	SPACER SLEEVE		2	pc	310,000 g			
850	000931012176	BOLT HEX		1	pc	138,500 g	M 12 X 150		DIN931
900	204014016019	HEX SCREW		2	pc	516,000 g	M 16 X 320		ISO4014
950	5581420076	WASHER		2	pc	28,700 g			
1000	000125013012	WASHER		1	pc	5,500 g	A 13		DIN125
1100	5319970832	PLUG		1	pc	0,055 kg	M22X1.5		
1200	X00028045	ELBOW THERMOSTAT HSG		1	pc	7,300 kg			
1300	735210014000	THREAD PLUG		1	pc	0,019 kg	M 14 X 1,5		MTN5210
1350	5272030080	GASKET		1	pc	6,500 g			
1400	000933010094	BOLT HEX		3	pc	31,500 g	M 10 X 40		DIN933
1500	5262003251	TUBE ASM 178	4000-03	2	pc	1,100 kg			
1550	700429070000	O-RING		4	pc	10,300 g	70 X 5		MMN429
1650	5262030439	FLANGE WELDING-NECK		2	pc	620,000 g			
1700	700429076000	O-RING		2	pc	7,000 g	76 X 4		MMN429
1750	000933010116	BOLT HEX		4	pc	33,700 g	M 10 X 45		DIN933

EQUI TYPE: Engine

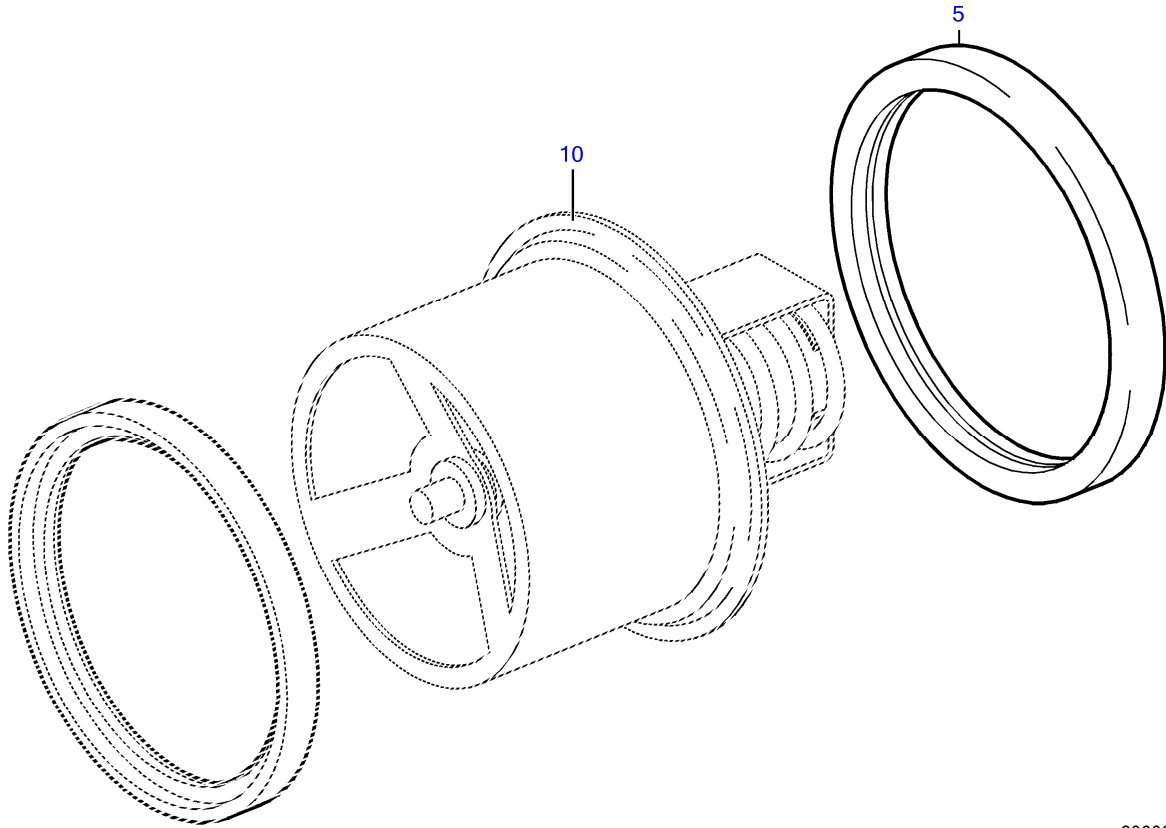
PRODUCT TYPE: 12V4000G23R
THERMOSTAT HOUSING LT CIRCUIT

SERIAL NUMBER: 526108120

FG/FGS: 206 05

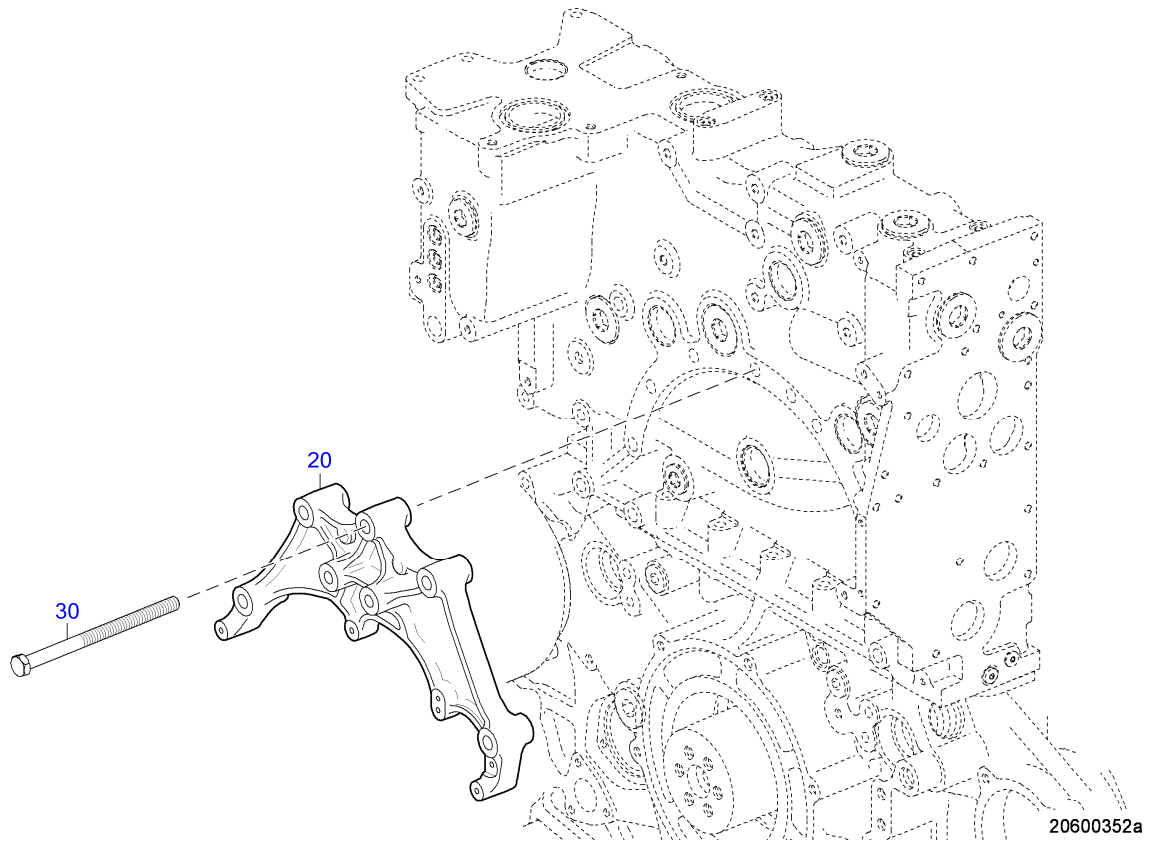
BOM-No.: X00022898

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
1850	X52820300020	RETAINER		1	pc	285,000 g			
1900	X52820300021	RETAINER		1	pc	260,000 g			
1950	204017010021	BOLT A3C		2	pc	32,500 g		M 10 X 45	ISO4017
2000	000000004742	HEX SCREW		1	pc	46,600 g		M 10 X 75	ISO4017
2050	735151010100	SPACER		3	pc	11,000 g		A 10,5	MTN5151

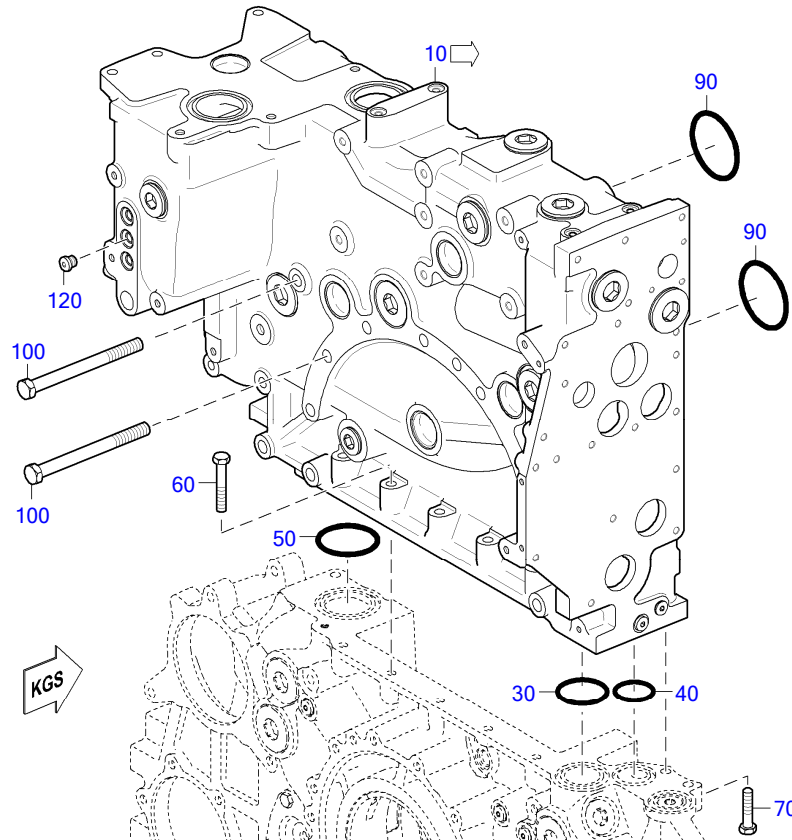


20600095a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT
5	8692030147	GASKET	1	pc	7,800 g		VITON
10		HOUSING	1	pc		KE	

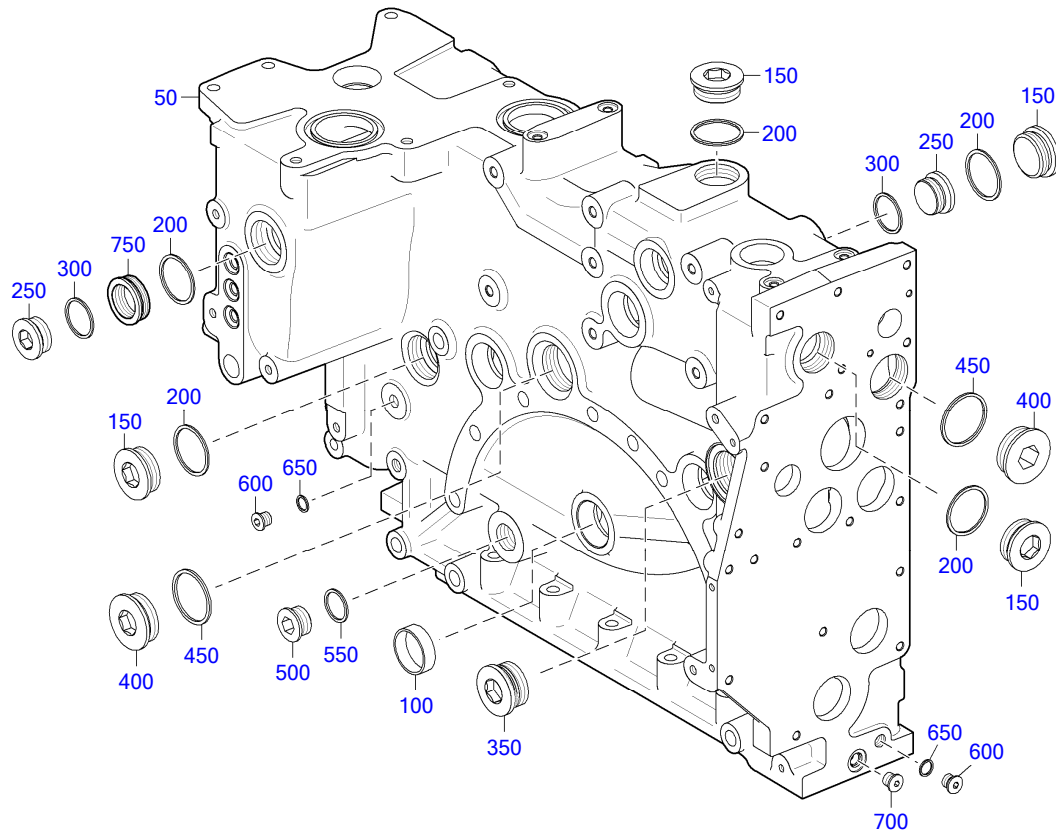


POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
20	X59307700015	RETAINER	1	pc	8,050 kg	BATMAN	
30	204014016010	HEX SCREW	5	pc	375,200 g	M 16 X230	ISO4014



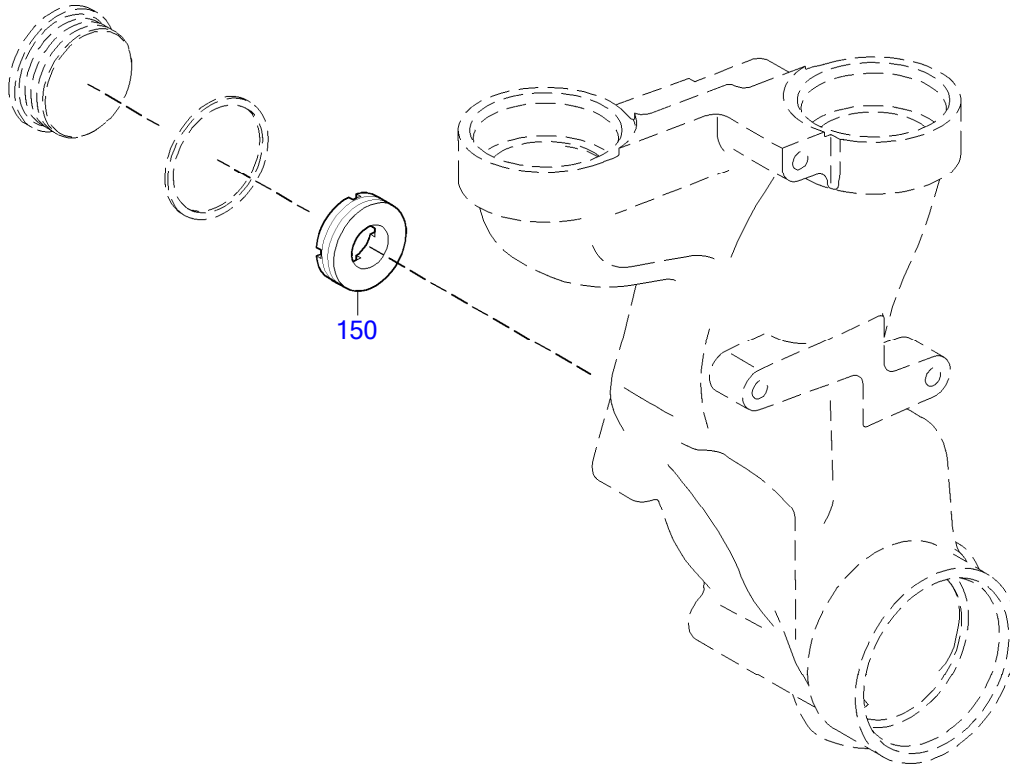
20600486

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	X59620200128	COOLANT DISTRIBUTION HOUSING	1	pc	156,000 kg		
30	700429055001	O-RING	1	pc	8,000 g	55 X 5	MMN429
40	700429042000	O-RING	1	pc	6,200 g	42 X 5	MMN429
50	700429070000	O-RING	1	pc	10,300 g	70 X 5	MMN429
60	204017012015	HEX SCREW	2	pc	50,000 g	M 12 X 50	ISO4017
70	000000002970	BOLT HEX ZNPH R5F	5	pc	63,000 g	M 12 X 70	ISO4017
90	700429083000	O-RING	2	pc	11,700 g	83 X 5	MMN429
100	000000002973	HEX SCREW	7	pc	302,800 g	M 16 X180	ISO4014
120	735210014000	THREAD PLUG	5	pc	0,019 kg	M 14 X 1,5	MTN5210



20600499

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
50	X59620200127	COOLANT DISTRIB HSG	1	pc	147,000 kg		
100	5249970020	SEALING CAP	8	pc	62,600 g	D 50	
150	000908048004	THREAD PLUG	8	pc	0,247 kg	M 48 X 1,5	DIN908
200	007603048101	COPPER SEALING RING	9	pc	7,700 g	A 48 X 55	DIN7603
250	000908038000	THREAD PLUG	3	pc	0,150 kg	M 38 X 1,5	DIN908
300	007603038101	COPPER SEALING RING	3	pc	5,400 g	A 38 X 44	DIN7603
350	735210048000	THREAD PLUG	1	pc	0,337 kg	M 48 X 2	MTN5210
400	000908052003	THREAD PLUG	2	pc	0,298 kg	M 52 X 1,5	DIN908
450	007603052101	COPPER SEALING RING	2	pc	12,500 g	A 52 X 60	DIN7603
500	000908030002	THREAD PLUG	1	pc	0,085 kg	M 30 X 1,5	DIN908
550	007603030101	COPPER SEALING RING	1	pc	4,300 g	A 30 X 36	DIN7603
600	000908014001	THREAD PLUG	1	pc	0,016 kg	M 14 X 1,5	DIN908
650	007603014102	COPPER SEALING RING	1	pc	1,000 g	A 14 X 18	DIN7603
700	735210014000	THREAD PLUG	1	pc	0,019 kg	M 14 X 1,5	MTN5210
750	X59499100029	THREADED BUSHING	1	pc	90,000 g	M48X1.5/M38X1.5	



20600276b

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
150	X00040386	RESTRICTOR	1	pc	210,000 g

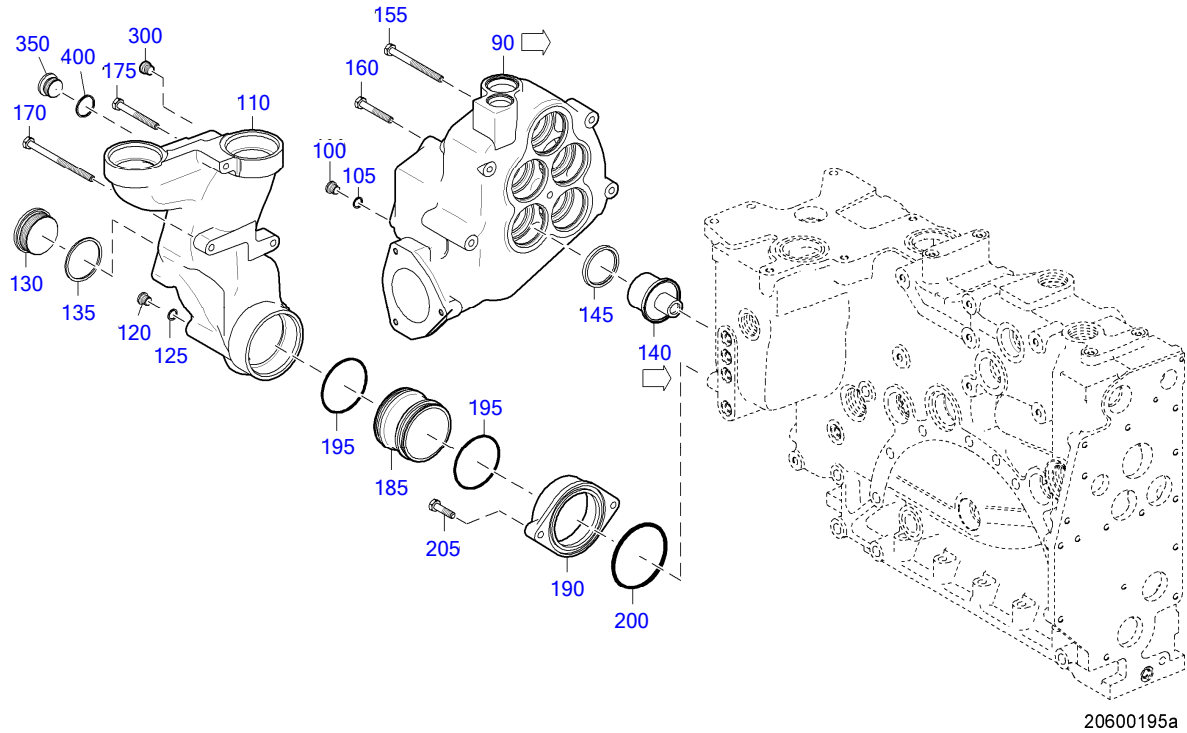
EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
THERMOSTAT HOUSING

SERIAL NUMBER: 526108120

FG/FGS: 206 15

BOM-No.: 200.00248



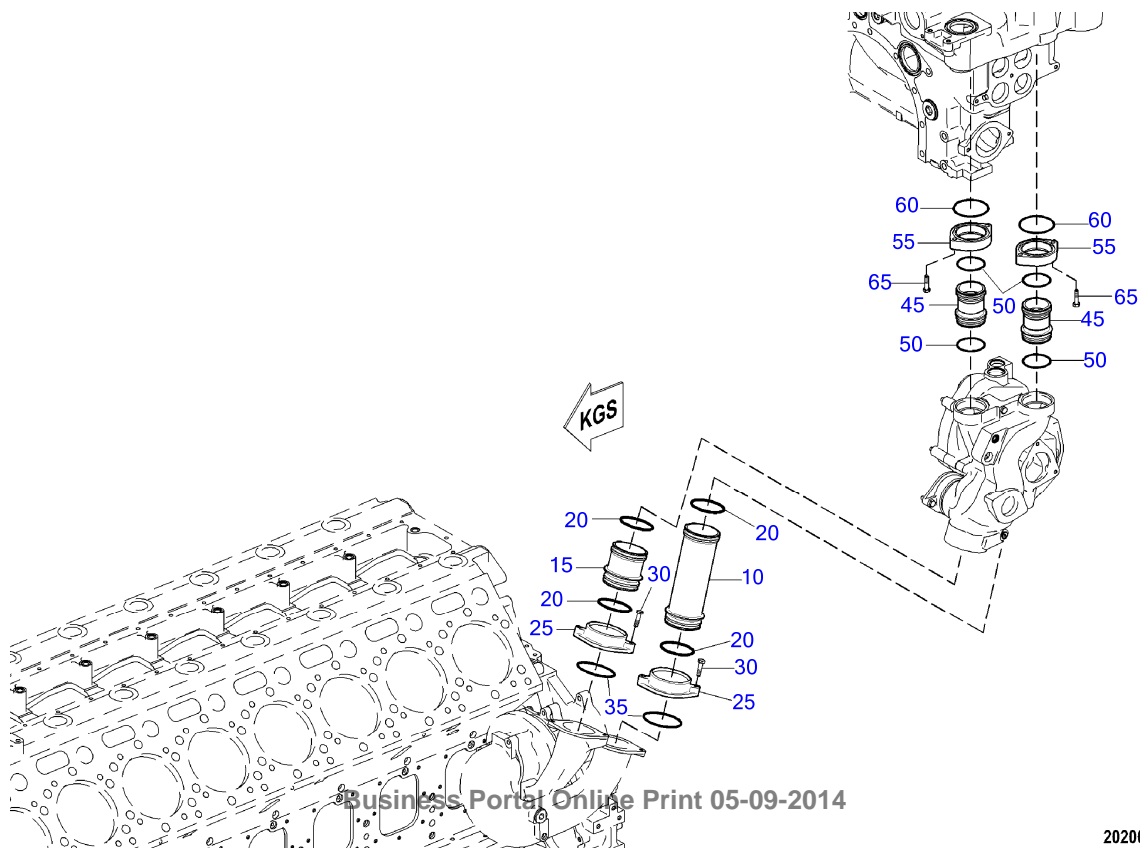
EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
THERMOSTAT HOUSING

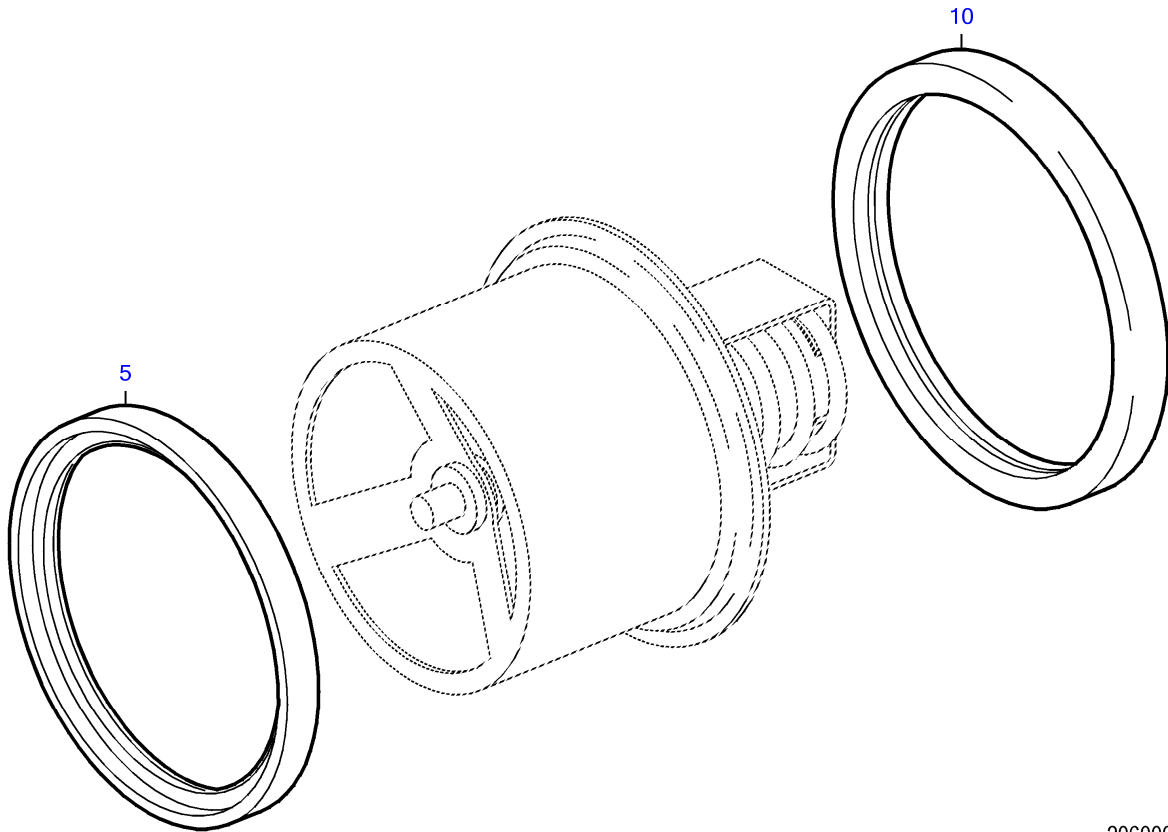
SERIAL NUMBER: 526108120

FG/FGS: 206 15

BOM-No.: 200.00248

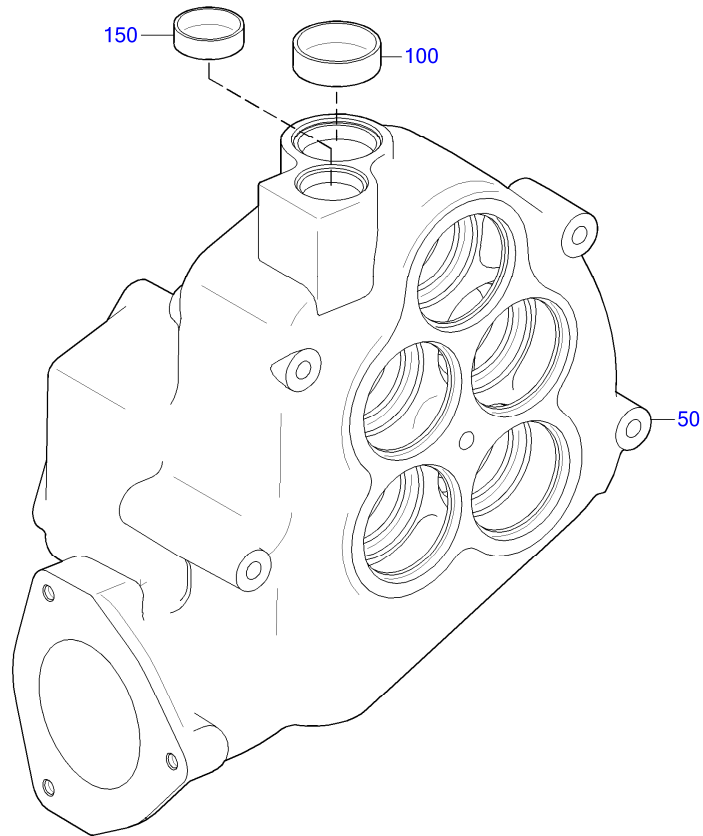


POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
10	5282030053	TUBE PLUG-IN 277 L		1	pc	2,120 kg			
15	5282030153	TUBE PLUG-IN 106 L	4000	1	pc	950,000 g			
20	700429085002	O-RING		4	pc	17,500 g		85 X 6	MMN429
25	5242030139	FLANGE		2	pc	1,200 kg			
30	000000001039	BOLT HEX A3C		4	pc	29,800 g		M 10 X 40	ISO4017
35	700429100000	O-RING		2	pc	14,100 g		100 X 5	MMN429
45	5282000151	TUBE	20V4000	2	pc	700,000 g	SB		
50	700429070000	O-RING		4	pc	10,300 g		70 X 5	MMN429
55	5282030039	FLANGE		2	pc	1,100 kg			
60	700429090000	O-RING		2	pc	12,800 g		90 X 5	MMN429
65	000000001039	BOLT HEX A3C		4	pc	29,800 g		M 10 X 40	ISO4017
90	X52620200031	HOUSING ASM THERMOSTAT		1	pc	24,205 kg			
100	000908014001	THREAD PLUG		1	pc	0,016 kg		M 14 X 1,5	DIN908
105	007603014102	COPPER SEALING RING		1	pc	1,000 g		A 14 X 18	DIN7603
110	X00036954	ELBOW TWIN THERMOSTAT HSG		1	pc	16,100 kg			
120	000908014001	THREAD PLUG		1	pc	0,016 kg		M 14 X 1,5	DIN908
125	007603014102	COPPER SEALING RING		1	pc	1,000 g		A 14 X 18	DIN7603
130	000908064000	PLUG		1	pc	0,515 kg		M 64 X 2	DIN908
135	007603064100	WASHER A COP		1	pc	15,000 g		A 64 X 72	DIN7603
140	0052031875	THERMAL ACTUATOR		5	pc	174,800 g	EM		
145	05132155	SEALING RING		5	pc	20,000 g			
155	000000001465	BOLT HEX A3C		2	pc	78,200 g		M 10 X120	ISO4014
160	000000001076	BOLT A3C		1	pc	45,900 g		M 10 X 70	ISO4017
170	000000003323	HEX SCREW		2	pc	95,400 g		M 10 X150	ISO4014
175	000000003322	BOLT HEX A3C		1	pc	60,800 g		M 10 X 90	ISO4014
185	5242032053	CONNECTOR WATER TUBE		1	pc	550,000 g			
190	5242030139	FLANGE		1	pc	1,200 kg			
195	700429085002	O-RING		2	pc	17,500 g		85 X 6	MMN429
200	700429100000	O-RING		1	pc	14,100 g		100 X 5	MMN429
205	000000001039	BOLT HEX A3C		2	pc	29,800 g		M 10 X 40	ISO4017
300	735210014000	THREAD PLUG		2	pc	0,019 kg		M 14 X 1,5	MTN5210
350	000908030002	THREAD PLUG		1	pc	0,085 kg		M 30 X 1,5	DIN908
400	007603030101	COPPER SEALING RING		1	pc	4,300 g		A 30 X 36	DIN7603



20600038a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT
5	0002034480	RING SEALING	1	pc	20,000 g	57,76X67,5X6,4
10	8692030147	GASKET	1	pc	7,800 g	VITON



20600134b

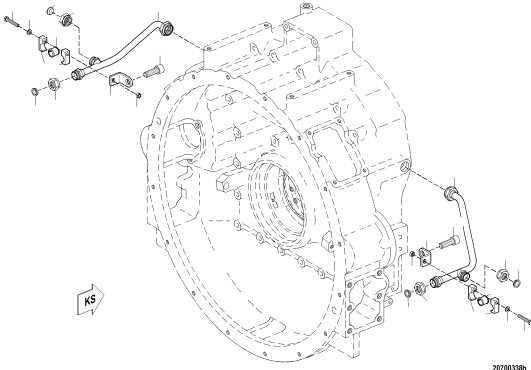
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT
50	X52620200030	THERMOSTAT HOUSING	1	pc	24,107 kg	
100	5249970020	SEALING CAP	1	pc	62,600 g	D 50
150	5370160233	SEALING CAP	1	pc	32,000 g	D 40

GROUP SEGMENT (FGS)

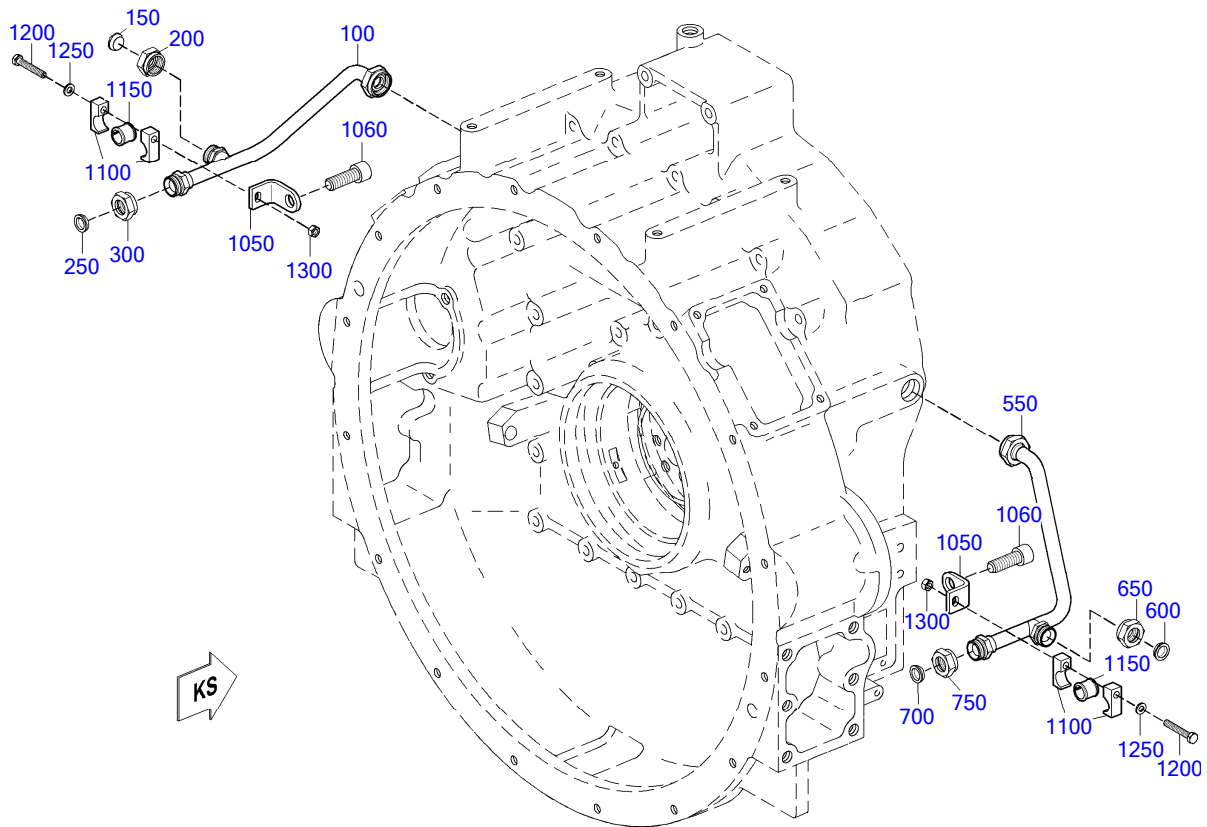
GROUP NAME

BOM-No.

05
PREHEATING LINE
X00019054



2070038b



20700338b

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
100	5242002352	PIPE	1	pc	416,100 g	SB		
150	915005020001	CONE SEALING	1	pc	15,100 g		22	MBN15005
200	915001020003	NUT	1	pc	46,900 g		20 M 30 X 1,5	N15001
250	915005016002	CONE SEALING 18	1	pc	11,600 g		18	MBN15005
300	915001016004	NUT 16 M26X1.5 BL.GEOELT	1	pc	40,900 g		16 M 26 X 1,5	N15001
550	5242002052	PIPE	1	pc	415,000 g	SB		
600	915005020001	CONE SEALING	1	pc	15,100 g		22	MBN15005
650	915001020003	NUT	1	pc	46,900 g		20 M 30 X 1,5	N15001
700	915005016002	CONE SEALING 18	1	pc	11,600 g		18	MBN15005
750	915001016004	NUT 16 M26X1.5 BL.GEOELT	1	pc	40,900 g		16 M 26 X 1,5	N15001
1050	X52420200016	BRACKET L	2	pc	77,400 g			
1060	000912016004	BOLT HEX SOC HD	2	pc	88,700 g		M 16 X 45	DIN912
1100	700325022100	CLAMP HALF TUBE 1/1 D9-22	4	pc	47,800 g		1/1 D 9 - 22	MMN325
1150	700327018000	GROMMET	2	pc	4,800 g		18	MMN327
1200	304017008087	BOLT HEX	2	pc	21,000 g		M 8 X 50	ISO4017
1250	007349008002	WASHER	2	pc	8,300 g		8,4	DIN7349
1300	000934008008	NUT HEX	2	pc	4,600 g		M 8	DIN934

EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
GENERATOR

SERIAL NUMBER: 526108120
FG/FGS: 213

GROUP SEGMENT (FGS)

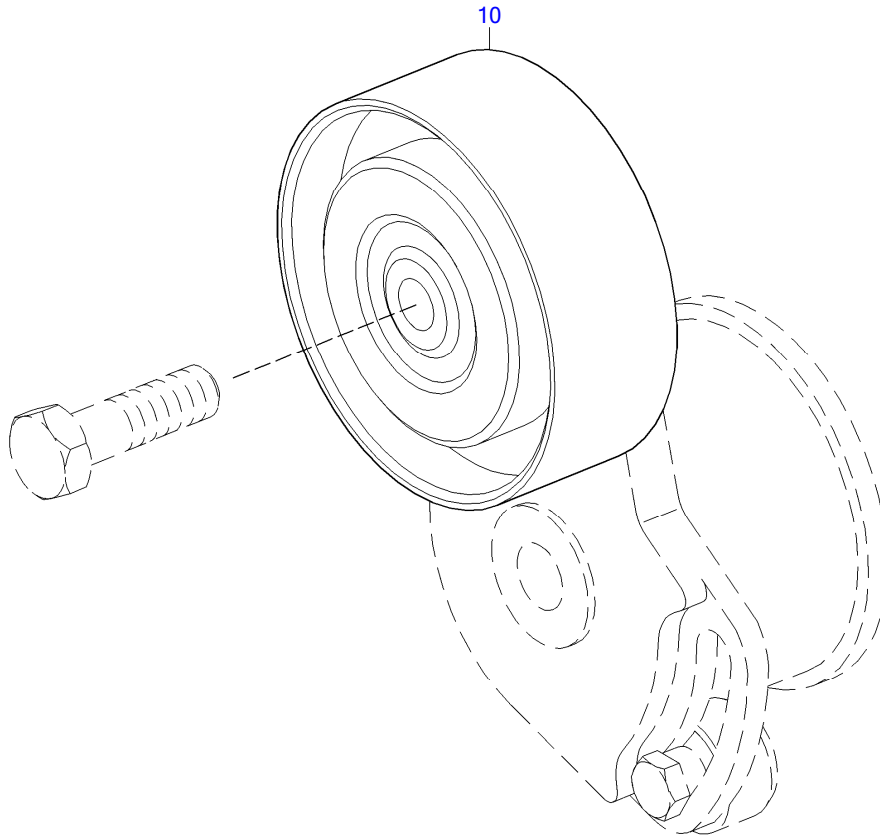
GROUP NAME

BOM-No.

05

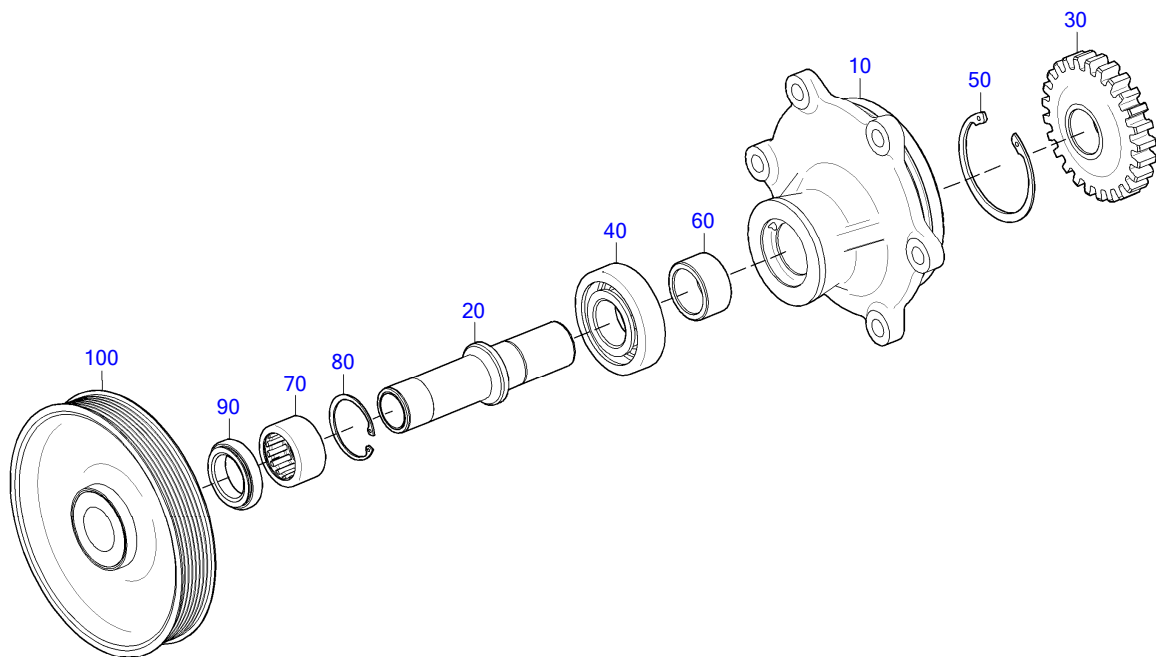
GENERATOR INSULATED, LEFT
XS594210.00017

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
50	X52802600011	DRIVE FOR ATT. HARDWARE		1	pc	10,836 kg			
75	700429135000	O-RING		1	pc	18,600 g		135 X 5	MMN429
200	X59499100556	RETAINER		1	pc	2,224 kg			
225	204017012014	HEX SCREW		5	pc	45,000 g		M 12 X 45	ISO4017
275	000000000905	BOLT HEX ZNPH R5F		1	pc	40,000 g		M 12 X 40	ISO4017
280	735151012100	SPACER S2000/4000		4	pc	20,000 g		A 12,5	MTN5151
325	X59499100361	RETAINER		1	pc	16,000 kg			
350	735151012100	SPACER S2000/4000			pc	20,000 g		A 12,5	MTN5151
375	000000002970	BOLT HEX ZNPH R5F		4	pc	63,000 g		M 12 X 70	ISO4017
425	X52421300010	ALTERNATOR	EINPOLIG	1	pc	8,000 kg		24V/70A	
450	X59499100062	FITTED BOLT		1	pc	170,000 g			
475	8389900540	WASHER		2	pc	5,000 g			
500	204032012000	NUT HEX ZNPH R5F		1	pc	14,900 g		M 12	ISO4032
525	X59499100089	HEX SCREW		1	pc	112,000 g			
550	5249901040	WASHER		1	pc	18,000 g			
700	23540876	TENSIONR ASM		1	pc	2,400 kg			
725	735151010100	SPACER		1	pc	11,000 g		A 10,5	MTN5151
750	000000002986	HEX SCREW		1	pc	51,600 g		M 10 X 85	ISO4017
800	X00042954	BELT POLY-VEE 8PK 1050 LB ALTERNATOR		1	pc	0,141 kg			
850	X59621300003	PROTECTIVE COVER FOR GENERATOR	AUS KUNSTSTOFF	1	pc	1,098 kg	AB		
851	X59699100517	SPACER SLEEVE		1	pc	126,500 g			
852	X54499100167	DAMPER ELEMENT		3	pc	38,500 g			
853	X54499100135	WASHER		3	pc	19,600 g			
854	304017008087	BOLT HEX		2	pc	21,000 g		M 8 X 50	ISO4017
855	000835008081	STUD		1	pc	28,400 g		M 8 X 65	DIN835
900	304032008014	NUT HEX 8 A3C		1	pc	4,800 g		M 8	ISO4032



21300154b

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT
10	23540404	PULLEY ASM	4000	1	pc	0,497 kg



21300273a

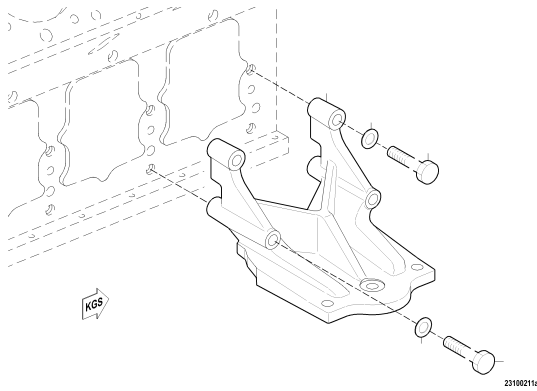
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
10	23540902	HSG ACSRY DRV HVY DTY LRG BRG UNITIZED	1	pc	3,000 kg		
20	X52802600004	SHAFT FOR DRIVE	1	pc	1,254 kg		
30	X00018270	GEAR FOR DRIVE	1	pc	1,100 kg		
40	205412503005	CYL ROLLER BEARING	1	pc	550,000 g	NUP 307 M A	DIN5412
50	23509204	RING RET ACSRY DRV LRG BALL BRG	1	pc	24,100 g		
60	X00018267	SPACER SLEEVE FOR DRIVE	1	pc	0,121 kg		
70	23511745	BEARING NDL ROLLER HVY DTY ACSRY DRV	1	pc	143,400 g		
80	23511746	RING RET INT 187 HVY DTY ACSRY DRV	1	pc	0,010 kg		
90	23523995	SEALING RING	1	pc	0,030 kg		
100	X00036694	PULLEY ACCESSORY DRIVE POLY-V	1	pc	2,470 kg		

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

05
MOUNTING BRACKET
XS526230.00013



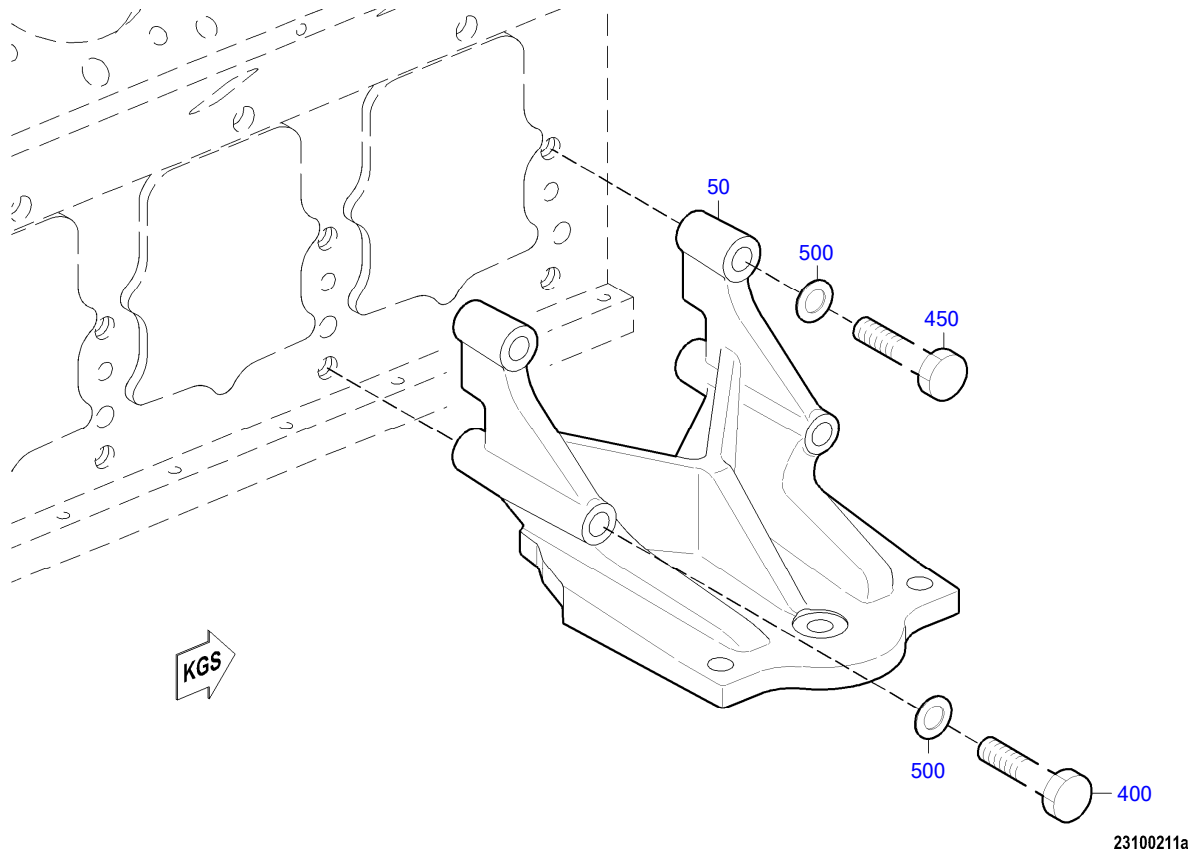
EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
MOUNTING BRACKET

SERIAL NUMBER: 526108120

FG/FGS: 231 05

BOM-No.: XS526230.00013



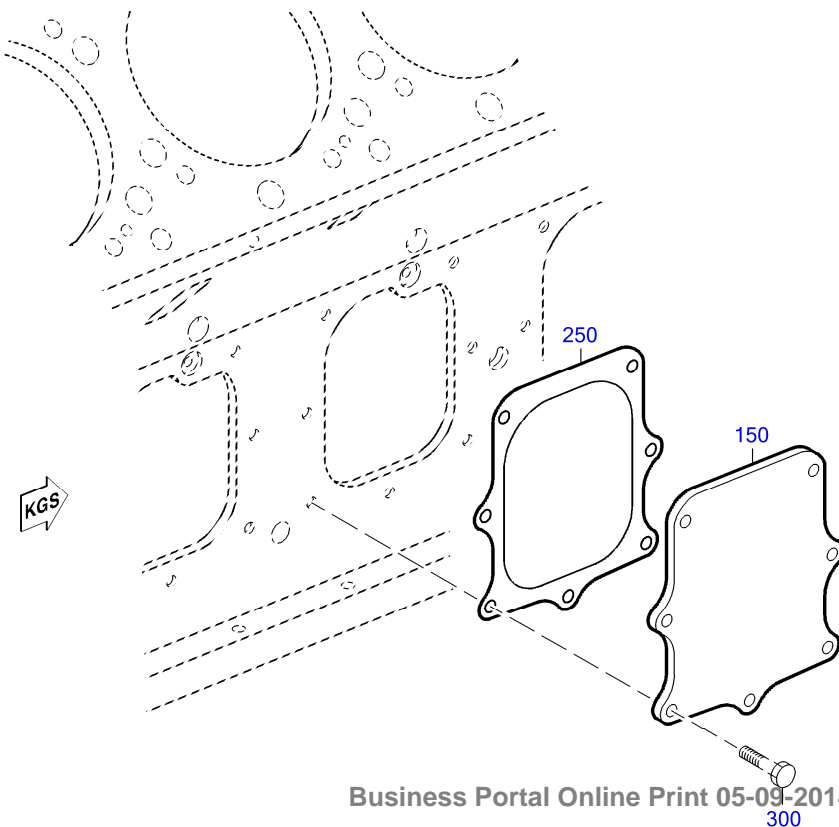
EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
MOUNTING BRACKET

SERIAL NUMBER: 526108120

FG/FGS: 231 05

BOM-No.: XS526230.00013



EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
MOUNTING BRACKET

SERIAL NUMBER: 526108120

FG/FGS: 231 05

BOM-No.: XS526230.00013

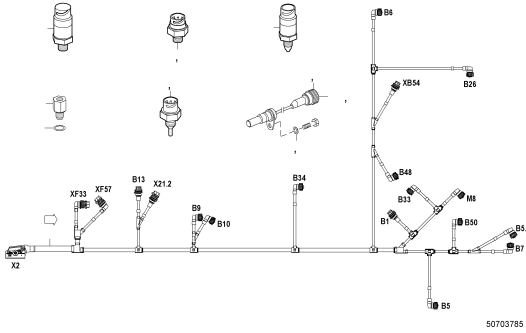
POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
50	5242370741	MTG BRACKET	4	pc	28,148 kg		
150	5240110732	COVER CYL BLOCK ACCESS PORT	4	pc	2,800 kg		
250	5240111380	GASKET	4	pc	25,000 g		
300	000000003021	HEX SCREW	28	pc	22,800 g	M 10 X 25	ISO4017
400	204014020004	HEX SCREW	8	pc	530,600 g	M 20 X200	ISO4014
450	204017020009	BOLT	8	pc	276,400 g	M 20 X100	ISO4017
500	200433021000	WASHER	16	pc	12,400 g	21	DIN433

GROUP SEGMENT (FGS)

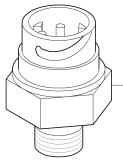
GROUP NAME

BOM-No.

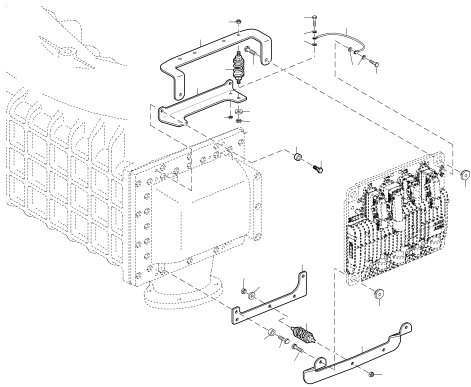
98
ENGINE CABLING FOR ON-ENGINE SENSO
XS00E500.01246



98
PRESSURE TRANSMITTER FOR CRANKCASE
XS00E500.01400



98
RETAINER F.ADEC A. WIRE HARN
XS594500.00255

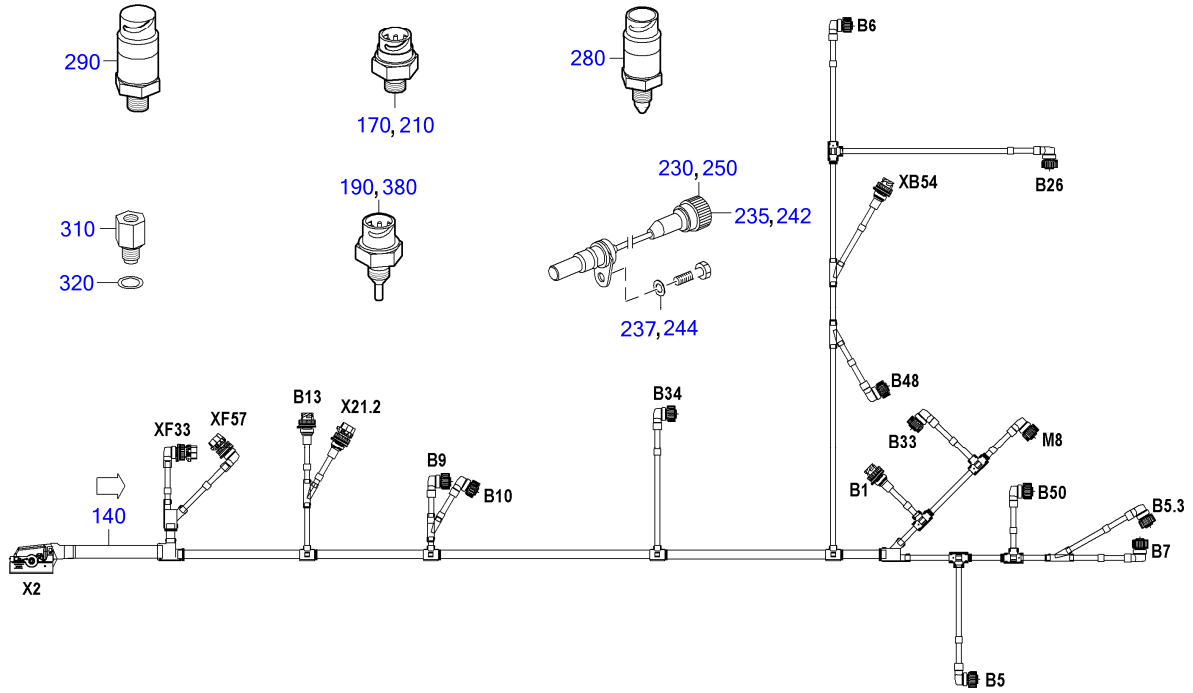


EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
ENGINE CABLING FOR ON-ENGINE SENSO

SERIAL NUMBER: 526108120

FG/FGS: 507 98
BOM-No.: XS00E500.01246



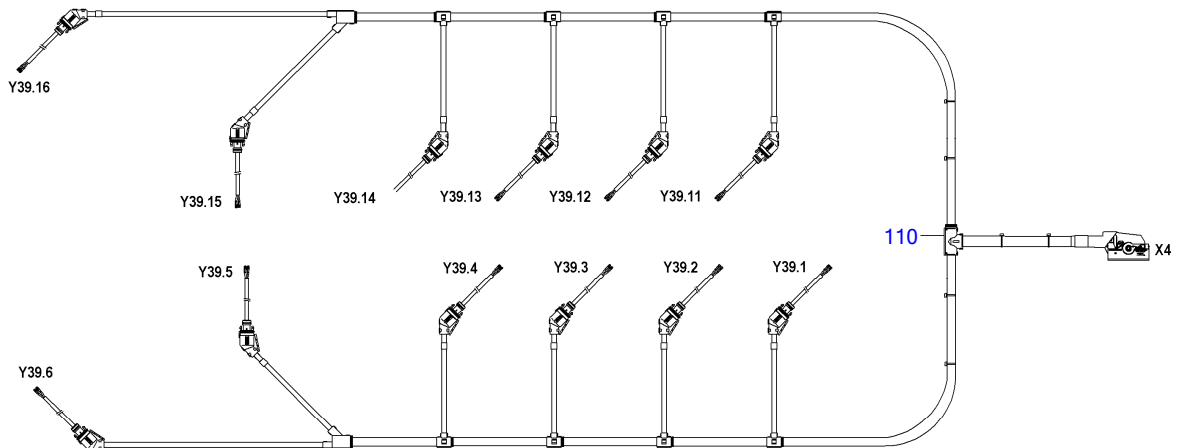
50703785

EQUI TYPE: Engine

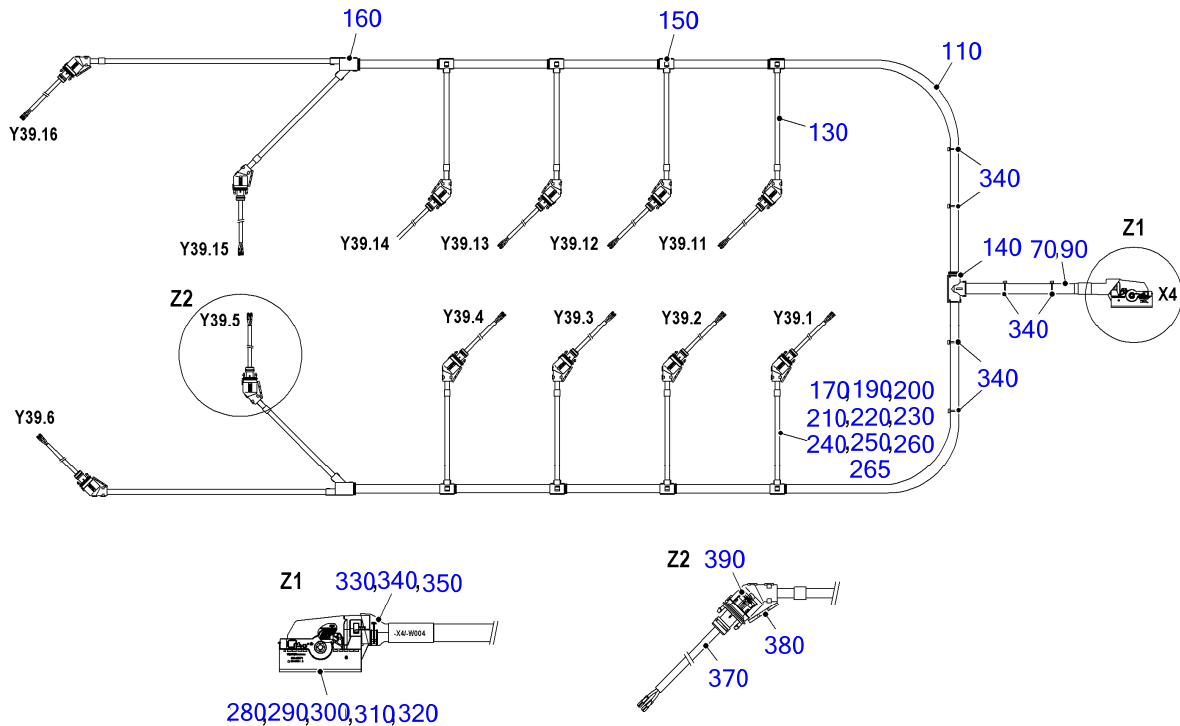
PRODUCT TYPE: 12V4000G23R
ENGINE CABLING FOR ON-ENGINE SENSO

SERIAL NUMBER: 526108120

FG/FGS: 507 98
BOM-No.: XS00E500.01246



POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
110	X00032476	WIRING HARNESS TO INJECTOR	12V4000G03	1	pc	1,860 kg		ECU-7 X4	
140	X00E50700476	WIRING HARNESS FOR ON-ENGINE SENSO	12V4000GX3	1	pc	1,940 kg		ECU-7 X2	
170	0035352531	PRESSURE SENSOR		1	pc	75,000 g	AB EM	M14X1,5,SW= 27, 0-10BAR_RELATIV	
190	X00E50207217	PRESSURE SENSOR	2000 BAR REL.	1	pc	156,000 g	AB EM	KEGEL,M18X1.5, SW=27,L=56, EPN	
210	0035352731	PRESSURE SENSOR	4,5 BAR ABS	1	pc	90,000 g	AB EM	M18X1,5 SW=27,0 5-4,5BAR_ABSOL	
230	0005357633	SPEED SENSOR	BR4000;KW;	1	pc	85,000 g	EM	D=19X60,KABELL.=700MM,	
235	304017008077	BOLT HEX A3C S2000/4000		1	pc	10,500 g		M 8 X 16	ISO4017
237	000125008427	WASHER		1	pc	1,500 g		A 8,4	DIN125
242	304017008077	BOLT HEX A3C S2000/4000		1	pc	10,500 g		M 8 X 16	ISO4017
244	000125008427	WASHER		1	pc	1,500 g		A 8,4	DIN125
250	0005357633	SPEED SENSOR	BR4000;KW;	1	pc	85,000 g	EM	D=19X60,KABELL.=700MM,	
280	5205304531	SENSOR FOR FUEL	BR4000	1	pc	181,000 g	EM		
290	X00E50207196	PRESSURE SENSOR	15 BAR REL.	1	pc	104,100 g	AB	PLAN G1/4"A SW27 L=64 TYP:EPN	
310	5240780050	BUSHING	4000	1	pc	73,000 g		DIN 176,SW24,	
320	735221011000	O-RING		1	pc	0,300 g		11,3 X 2,2 - M14X1,5	MTN5221
380	0005356430	TEMPERATURE SENSOR	PT1000	5	pc	50,000 g	AB EM	M14X1,5, L=29, STECKER DIN72585,	



50701238c

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
70	0095319080	CABLE	RADDOX 155S RW	50,000	m	20,900 g	1X2X1,0QMM / WS / NUMMERIERT	
90	0005338543	PIPE	359.	1,400	m	100,000 g	NW22, AD=25,3MM SW GROBPROFIL	
110	0005337143	PIPE	359.	2,000	m	49,400 g	WELLROHR NW17	
130		PIPE	359.	4,600	m	23,000 g	WELLROHR NW10	
140	X00005706	DISTRIBUTOR FOR CABLING		1	pc	9,000 g	T-ABZWEIG 17-22-17	
150	0005331043	PIPE JOINT		8	pc	6,700 g	T-ABZWEIG 17-10-17	
160	0005337443	PIPE	492.	2	pc	8,400 g	Y-ABZWEIG 17-10-10	
170	700461105024	MARKER SLEEVE		12	pc	0,700 g	5/Y	MMN461
190	700461205001	MARKER SLEEVE		8	pc	0,800 g	5/1	MMN461
200	700461205002	MARKER SLEEVE		2	pc	0,700 g	5/2	MMN461
210	700461205003	MARKER SLEEVE		14	pc	0,700 g	5/3	MMN461
220	700461205004	MARKER SLEEVE		2	pc	0,700 g	5/4	MMN461
230	700461205005	IDENTIFICATION MARKER		2	pc	0,700 g	5/5	MMN461
240	700461205006	IDENTIFICATION MARKER		2	pc	0,700 g	5/6	MMN461
250	700461205009	IDENTIFICATION MARKER		12	pc	0,001 kg	5/9	MMN461
260	700461105000	ID GROMMET		6	pc	0,700 g	5/A	MMN461
265	700461105001	MARKER SLEEVE		6	pc	0,100 g	5/B	MMN461
280	0025318485	BLADE CONNECTOR	BUCHSENGEHÄUSE MCP1,5	1	pc	62,800 g	46POL / NW22 / CODE-B / 90GRD	
290	0025319385	BLADE CONNECTOR	BUCHSENKONTAKT VERSILBERT	24	pc	0,400 g	0,5-1,0 MM ² / MCP1,5	
300	0025319585	BLADE CONNECTOR	EINZELADERABDICHTUNG	24	pc	0,050 g	1,4-1,9 MM / MCP1,5	
310	0185317083	BLANKING PLUG FOR CONNECTOR	BLINDSTOPFEN	22	pc	0,050 g	MCP1,5	
320	0025319085	BLADE CONNECTOR	KAPPE FÜR MCP BUCHSENGEHÄUSE	1	pc	10,800 g	46POL / NW22	

EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
WIRING HARNESS TO INJECTOR

SERIAL NUMBER: 526108120

FG/FGS:

BOM-No.: X00032476

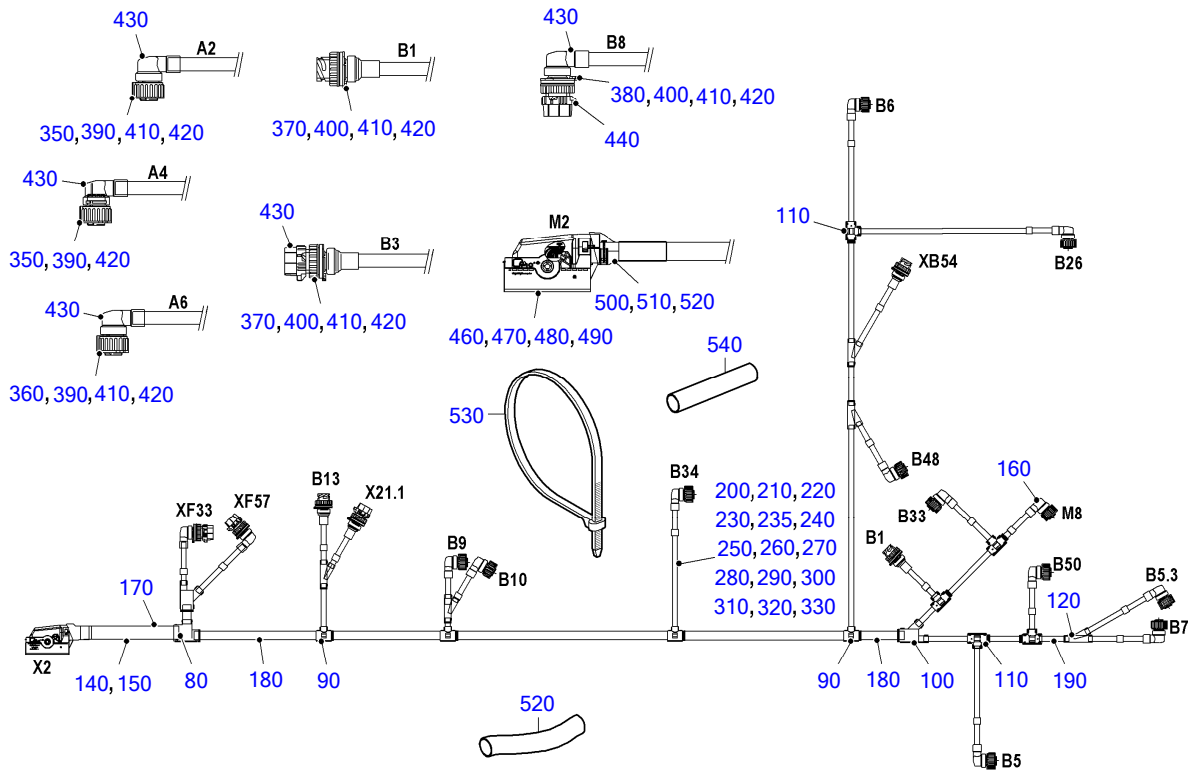
POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
330	0011596139	SHRINKABLE HOSE		0,120	m	130,000 g	52/13/MIT KLEBER	
340	0035314381	CABLE CLAMP		4	pc	0,600 g	L= 150MM, B= 3,6MM	
350	0035337089	IDENTIFICATION PLATE	ELAT	2	pc	1,400 g	47X135MM, BEDRÜCKBAR 47X25MM	
370	X00E50209894	TERMINAL FOR CYLINDER HEAD	BR4000	12	pc	25,000 g	L=90MM, 250V/1500V/24A 2-POL.	
380	0065319181	TERMINAL		12	pc	4,700 g	HAUBE 45GRAD, FUER WELLROHR N	
390	X00006101	END SLEEVE		24	pc	0,200 g	0,5-1MM M. ISOLATIONSUNTERST.	DIN46228

EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
WIRING HARNESS FOR ON-ENGINE SENSO

SERIAL NUMBER: 526108120

FG/FGS:
BOM-No.: X00E50700476



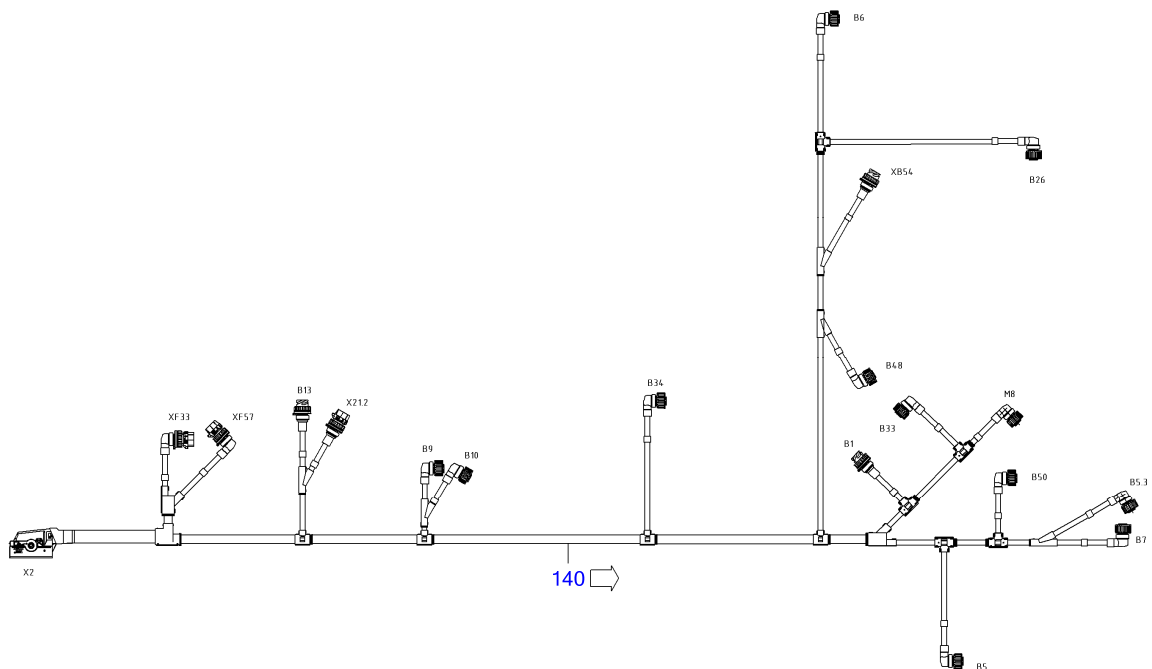
50703786

EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
WIRING HARNESS FOR ON-ENGINE SENSO

SERIAL NUMBER: 526108120

FG/FGS:
BOM-No.: X00E50700476



POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
80	X00005206	DISTRIBUTOR F. WIRING HARNESS		1	pc	10,000 g	T-ABZWEIG 26-17-17	
90	0005331043	PIPE JOINT		4	pc	6,700 g	T-ABZWEIG 17-10-17	
100	0005337443	PIPE	492.	2	pc	8,400 g	Y-ABZWEIG 17-10-10	
110	0005331443	PIPE		5	pc	4,400 g	T-ABZWEIG 10-10-10	
120	0005331143	PIPE JOINT		5	pc	5,800 g	Y-ABZWEIG 10-10-10	
140	0095318880	CABLE	RADDOX 155S RW VERDRILLT	34,000	m	11,200 g	1X2X0,5QMM / WS / NUMMERIERT	
150	0095318980	CABLE	RADDOX 155S RW VERDRILLT	31,000	m	16,900 g	1X3X0,5QMM / WS / NUMMERIERT	
160	0095319080	CABLE	RADDOX 155S RW	5,000	m	20,900 g	1X2X1,0QMM / WS / NUMMERIERT	
170	0005338643	PIPE	359.	0,300	m	81,000 g	WELLROHR NW26	
180	0005337143	PIPE	359.	4,000	m	49,400 g	WELLROHR NW17	
190		PIPE	359.	5,000	m	23,000 g	WELLROHR NW10	
200	700461105001	MARKER SLEEVE		14	pc	0,100 g	5/B	MMN461
210	700461105005	MARKER SLEEVE		2	pc	0,700 g	5/F	MMN461
220	700461105012	MARKER SLEEVE		1	pc	0,100 g	5/M	MMN461
230	700461105023	MARKER SLEEVE		4	pc	0,800 g	5/X	MMN461
235	700461105028	MARKER SLEEVE		2	pc	0,700 g	5/.	MMN461
240	700461205000	MARKER SLEEVE		2	pc	0,001 kg	5/0	MMN461
250	700461205001	MARKER SLEEVE		4	pc	0,800 g	5/1	MMN461
260	700461205002	MARKER SLEEVE		3	pc	0,700 g	5/2	MMN461
270	700461205003	MARKER SLEEVE		7	pc	0,700 g	5/3	MMN461
280	700461205004	MARKER SLEEVE		3	pc	0,700 g	5/4	MMN461
290	700461205005	IDENTIFICATION MARKER		3	pc	0,700 g	5/5	MMN461
300	700461205006	IDENTIFICATION MARKER		2	pc	0,700 g	5/6	MMN461
310	700461205007	MARKER SLEEVE		2	pc	0,700 g	5/7	MMN461
320	700461205008	IDENTIFICATION MARKER		2	pc	0,700 g	5/8	MMN461
330	700461205009	IDENTIFICATION MARKER		1	pc	0,001 kg	5/9	MMN461
350	0165313283	MALE CONNECTOR	STECKER F. BU-KONTAKTE 2,5MM	11	pc	11,500 g	4POL. CODE 1 / DIN 72585 BU	
360	0165314083	MALE CONNECTOR	STECKER F. BU-KONTAKTE 2,5MM	1	pc	11,500 g	4POL. CODE 2 / DIN 72585 BU	
370	0165313883	FEMALE CONNECTOR	STECKER F. ST-KONTAKT 2,5MM	4	pc	13,300 g	4POL. CODE 1 / DIN 72585 ST	
380	0165314183	FEMALE CONNECTOR	STECKDOSE ST-KONTAKTE 2,5MM	2	pc	13,500 g	4POL. CODE 2 / DIN 72585	
390	0165313383	FEMALE CONTACT		35	pc	0,200 g	0,5-1,0 MM ² / D=2,5MM	
400	0165313983	PIN CONTACT		16	pc	0,300 g	0,5-1,0 MM ² / D=2,5MM	
410	0165313583	BLANKING PLUG	BLINDSTOPFEN	22	pc	0,100 g	SYSTEM 2,5MM / 2,8MM	
420	0165313483	SINGLE-CORE INSUL		51	pc	0,100 g	1,2-2,1MM/DIN72585 2,5	
430	0165314683	BAYONET COUPLING	BEFESTIGUNGSRING	6	pc	2,800 g	DIN 72585	
440	0165313683	CAP		14	pc	5,600 g	90 GRAD / NW10 / DIN 72585	
460	0165314383	DUST CAP	BAJONETTGEOMETRIE DIN 72585	3	pc	7,000 g	STAUBSCHUTZKAPPE FUER STECKDOSE	
470	0025318885	BLADE CONNECTOR	BUCHSENGEHAEUSE MCP1,5	1	pc	111,000 g	92POL / NW26 / CODE-A / 90GRD	
480	0025319385	BLADE CONNECTOR	BUCHSENKONTAKT VERSILBERT	46	pc	0,400 g	0,5-1,0 MM ² / MCP1,5	
490	0025319585	BLADE CONNECTOR	EINZELADERABDICHTUNG	46	pc	0,050 g	1,4-1,9 MM / MCP1,5	
500	0185317083	BLANKING PLUG FOR CONNECTOR	BLINDSTOPFEN	46	pc	0,050 g	MCP1,5	
510	0025319185	BLADE CONNECTOR	KAPPE FUER MCP BUCHSENGEHAEUSE	1	pc	10,000 g	92POL / NW26	
520	0011596139	SHRINKABLE HOSE		0,120	m	130,000 g	52/13/MIT KLEBER	
530	0035314381	CABLE CLAMP		2	pc	0,600 g	L= 150MM, B= 3,6MM	
540	0035337089	IDENTIFICATION PLATE	ELAT	2	pc	1,400 g	47X135MM, BEDRUCKBAR 47X25MM	

EQUI TYPE: Engine

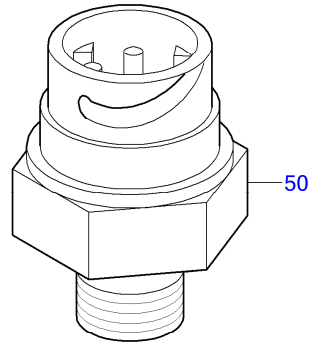
PRODUCT TYPE: 12V4000G23R
WIRING HARNESS FOR ON-ENGINE SENSO

SERIAL NUMBER: 526108120

FG/FGS:

BOM-No.: X00E50700476

POS. PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
0165313783	CAP		4	pc	4,300 g	180 GRAD / NW10 / DIN 72585	



50702474a

POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT
50	0035352231	PRESSURE SENSOR	1	pc	131,600 g	M14X1,5,SW=38, +/- 70MBAR_RELAT.

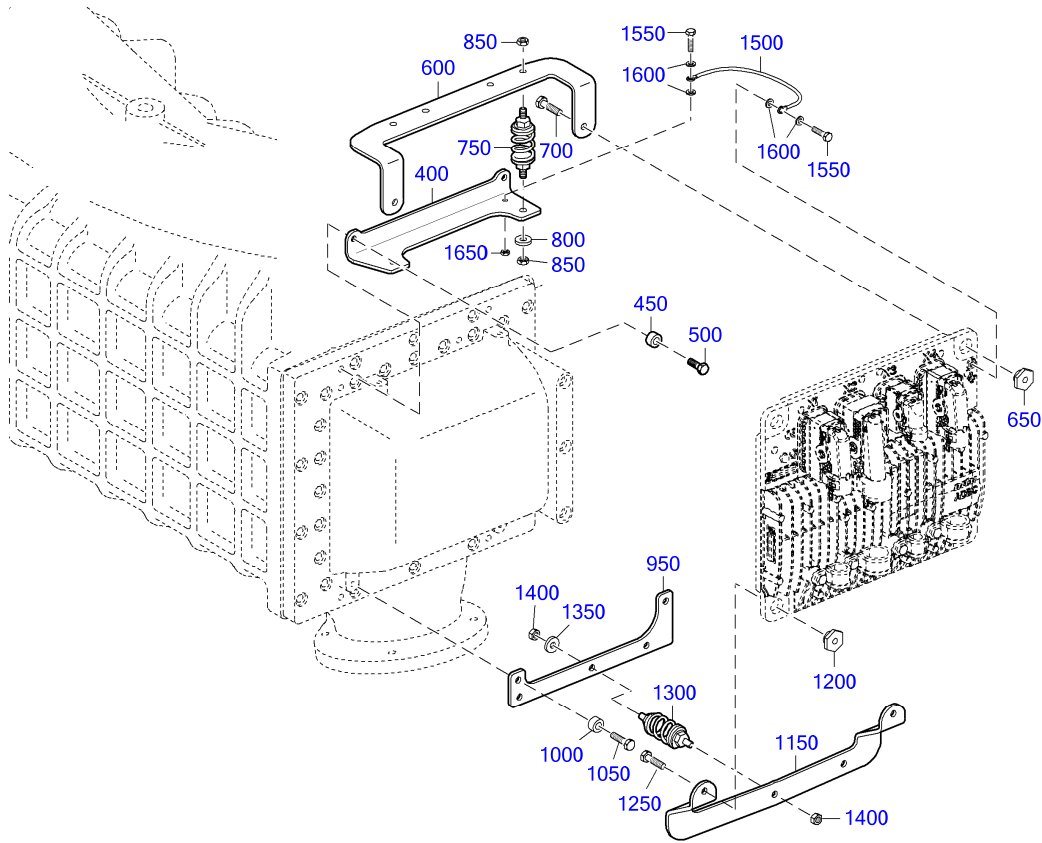
EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
RETAINER F.ADEC A. WIRE HARN

SERIAL NUMBER: 526108120

FG/FGS: 507 98

BOM-No.: XS594500.00255



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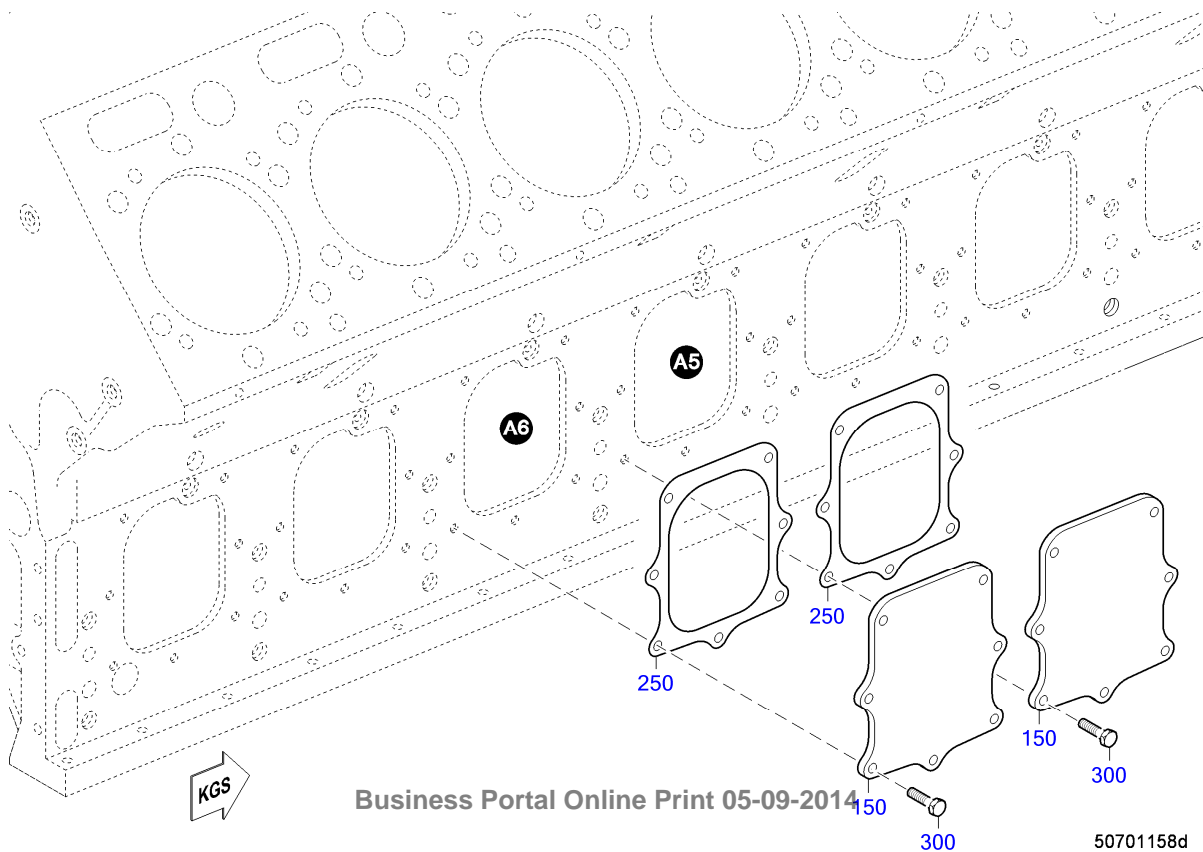
EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
RETAINER F.ADEC A. WIRE HARN

SERIAL NUMBER: 526108120

FG/FGS: 507 98

BOM-No.: XS594500.00255



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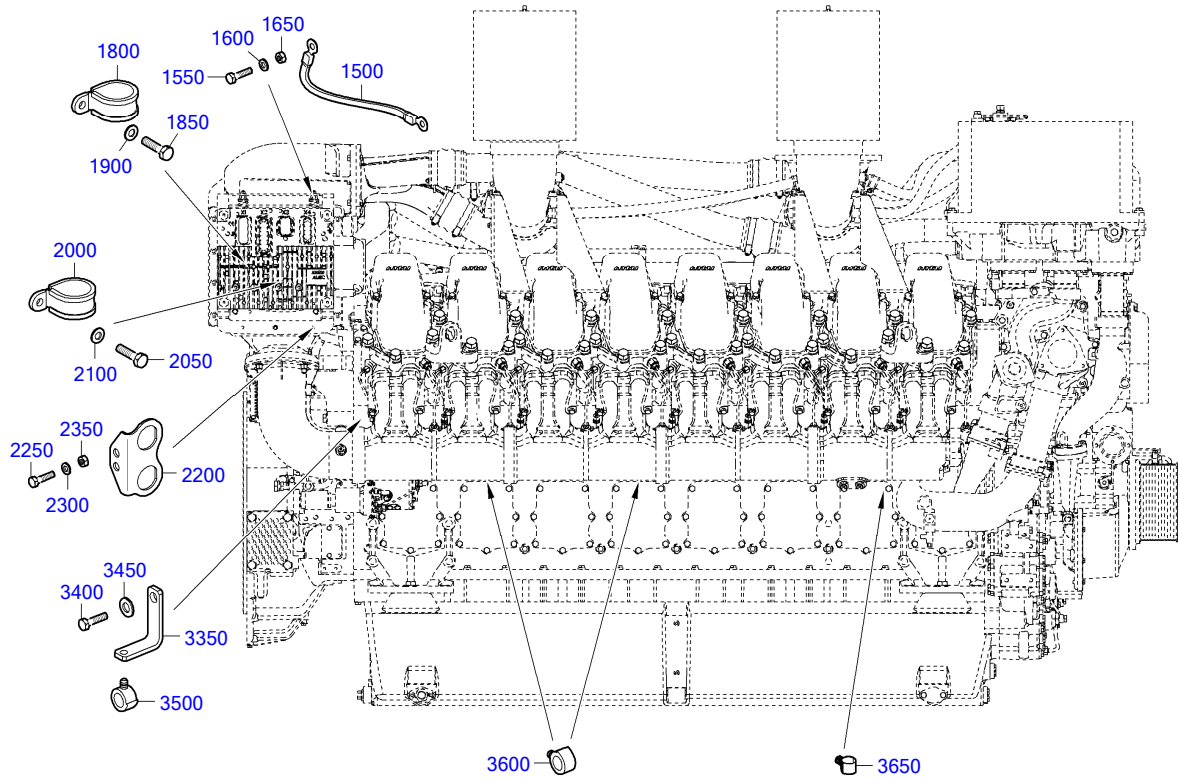
EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
RETAINER F.ADEC A. WIRE HARN

SERIAL NUMBER: 526108120

FG/FGS: 507 98

BOM-No.: XS594500.00255



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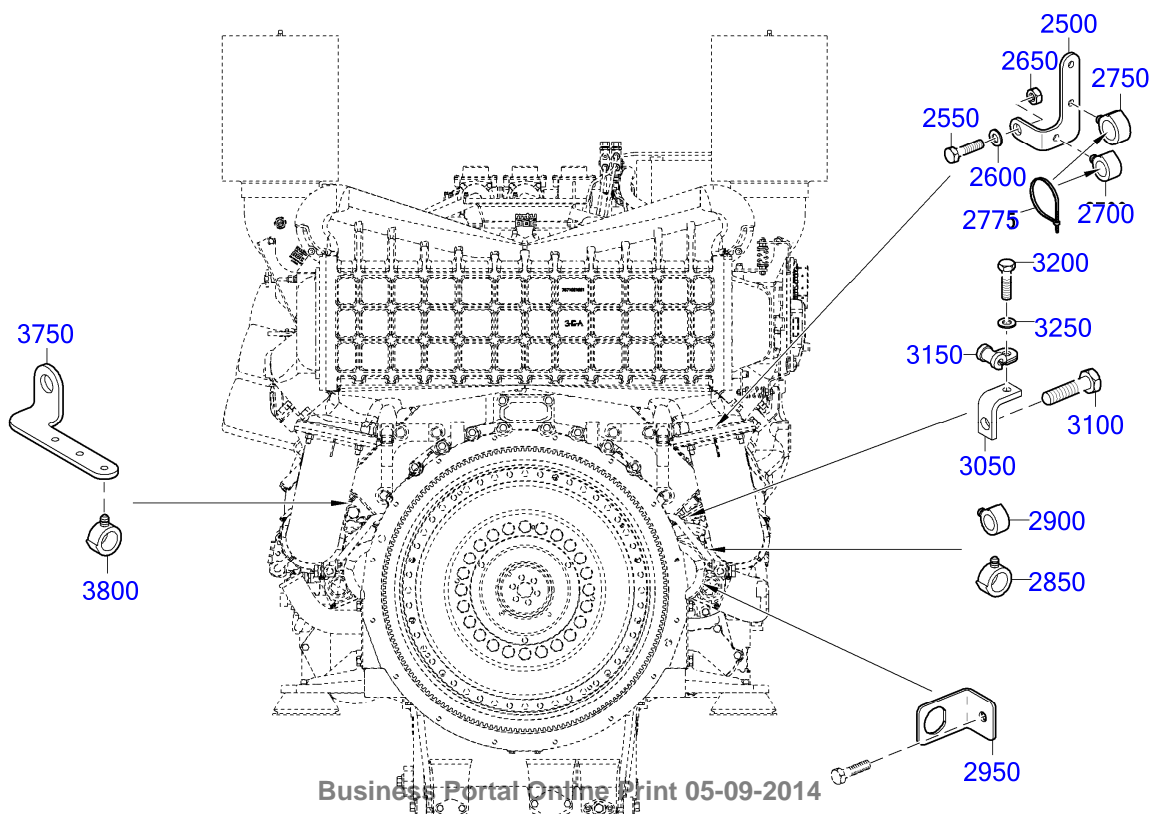
EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
RETAINER F.ADEC A. WIRE HARN

SERIAL NUMBER: 526108120

FG/FGS: 507 98

BOM-No.: XS594500.00255



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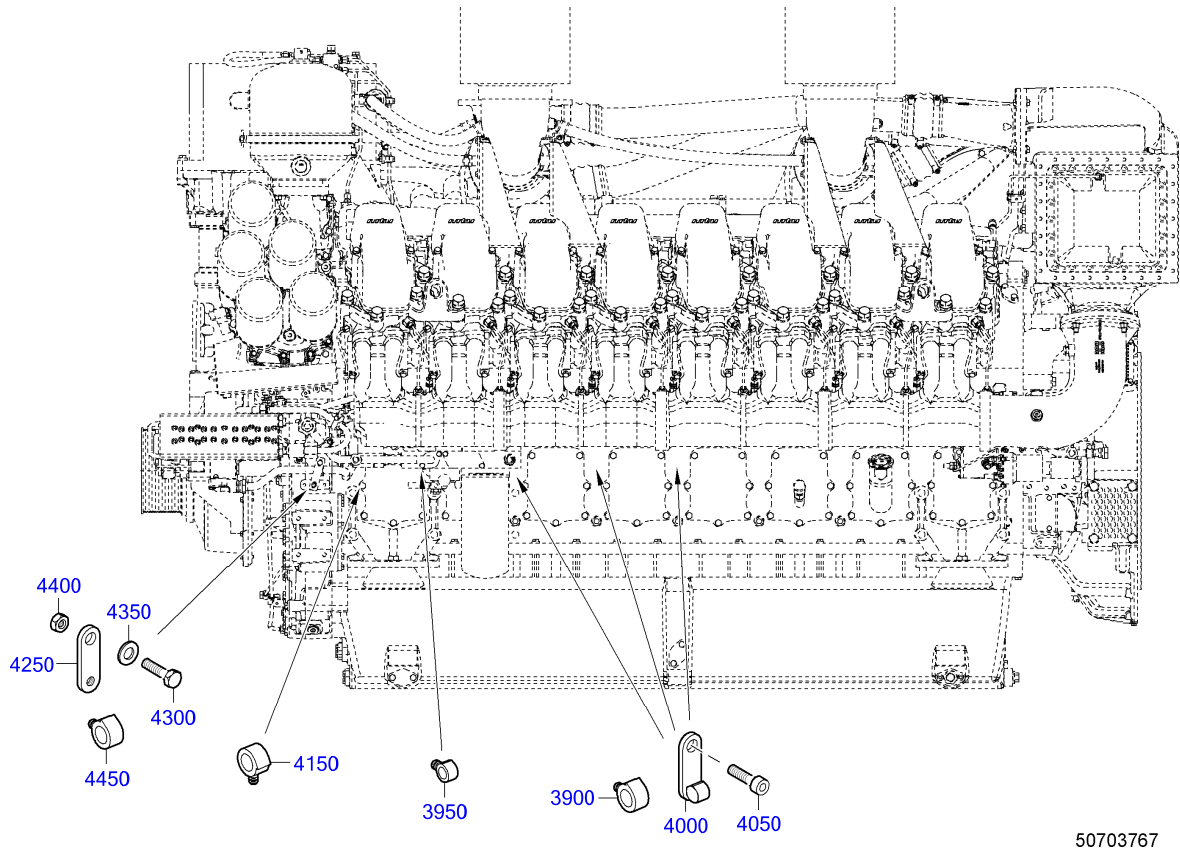
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EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
RETAINER F.ADEC A. WIRE HAR

SERIAL NUMBER: 526108120

FG/FGS: 507 98
BOM-No.: XS594500.00255

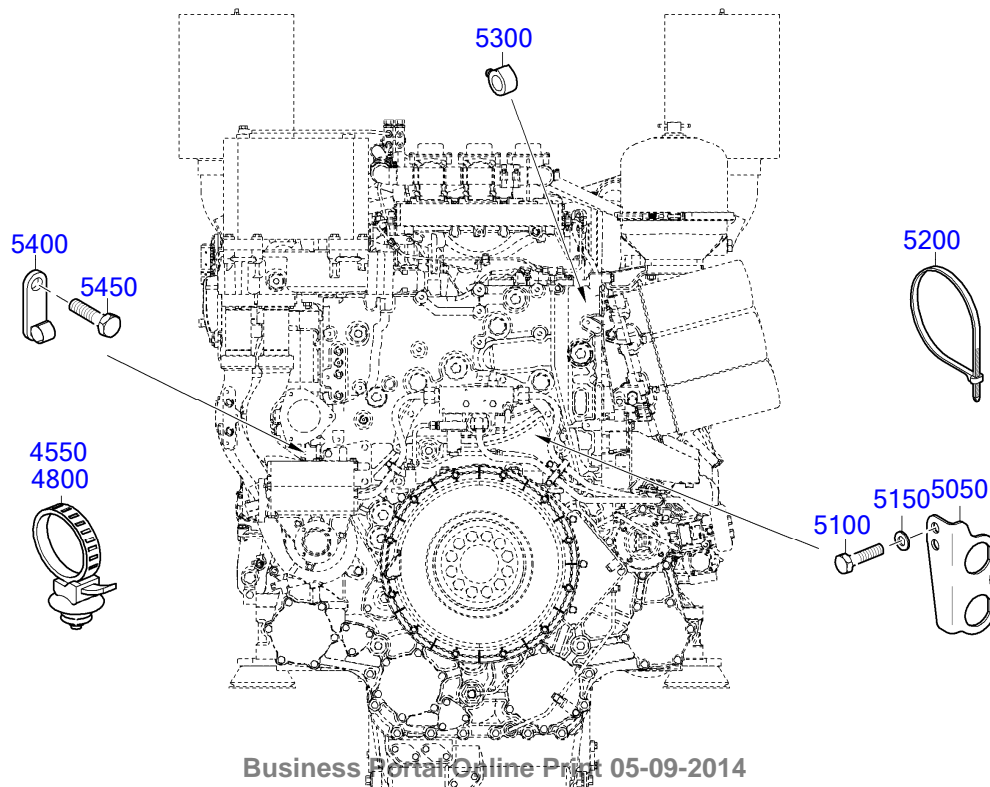


EQUI TYPE: Engine

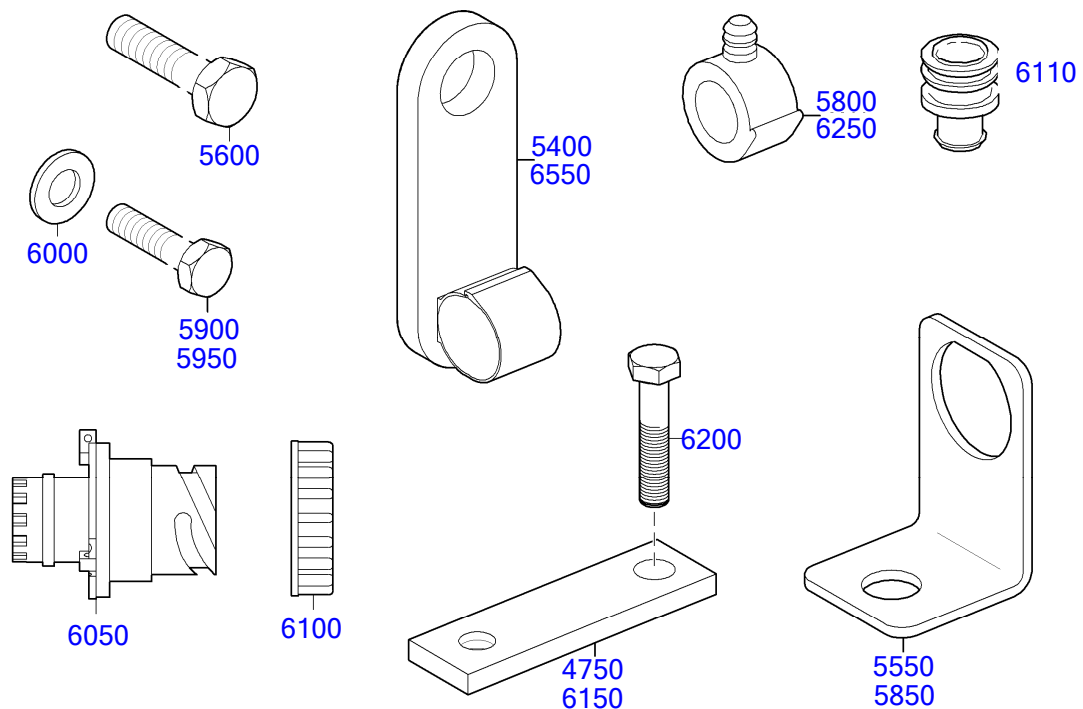
PRODUCT TYPE: 12V4000G23R
RETAINER F.ADEC A. WIRE HAR

SERIAL NUMBER: 526108120

FG/FGS: 507 98
BOM-No.: XS594500.00255



50703912



50703904

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN MEASUREMENT	STANDARD
150	5240110732	COVER CYL BLOCK ACCESS PORT		2	pc	2,800 g		
250	5240111380	GASKET		2	pc	25,000 g		
300	00000003021	HEX SCREW		14	pc	22,800 g	M 10 X 25	ISO4017
400	X52499100228	RETAINER FOR ADEC		1	pc	694,000 g		
450	5511530050	SPACER BUSHING		2	pc	13,200 g	Ø18/Ø10 × 10	
500	304017008081	HEX BOLT		2	pc	13,400 g	M 8 X 25	ISO4017
600	X00016676	BRACKET ADEC ECU MTG UPPER		1	pc	860,000 g		
650	X00012261	SPACER SLEEVE		2	pc	36,900 g		
700	304017008079	BOLT HEX		2	pc	11,700 g	M 8 X 20	ISO4017
750	5221530026	DAMPER	SG 2000	2	pc	152,800 g		
800	007349008002	WASHER		2	pc	8,300 g	8,4	DIN7349
850	304032008014	NUT HEX 8 A3C		4	pc	4,800 g	M 8	ISO4032
950	X52450700090	RETAINER FOR ADEC		1	pc	330,000 g		
1000	5511530050	SPACER BUSHING		2	pc	13,200 g	Ø18/Ø10 × 10	
1050	304017008081	HEX BOLT		2	pc	13,400 g	M 8 X 25	ISO4017
1150	X52450700089	RETAINER FOR ADEC		1	pc	705,600 g		
1200	X00012261	SPACER SLEEVE		2	pc	36,900 g		
1250	304017008079	BOLT HEX		2	pc	11,700 g	M 8 X 20	ISO4017
1300	5221530026	DAMPER	SG 2000	1	pc	152,800 g		
1350	007349008002	WASHER		1	pc	8,300 g	8,4	DIN7349
1400	304032008014	NUT HEX 8 A3C		2	pc	4,800 g	M 8	ISO4032
1500	X00E50201047	GROUND/EARTH LINE		1	pc	15,200 g	AB 2XM6; 6QMM; 200MM; ISOLIERT	
1550	00000003387	BOLT HEX		2	pc	5,100 g	M 6 X 16	ISO4017

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
1600	000125006431	WASHER		4	pc	0,800 g	A	6,4	DIN125
1650	304032006011	HEX NUT		1	pc	2,200 g	M	6	ISO4032
1800	916016030202	CLAMP		1	pc	39,400 g	BRS	GU 30/20	N16016
1850	304017008081	HEX BOLT		1	pc	13,400 g	M	8 X 25	ISO4017
1900	000125008427	WASHER		1	pc	1,500 g	A	8,4	DIN125
2000	916016024201	CLAMP		1	pc	30,000 g	BRS	GU 24/20	N16016
2050	304017008081	HEX BOLT		1	pc	13,400 g	M	8 X 25	ISO4017
2100	000125008427	WASHER		1	pc	1,500 g	A	8,4	DIN125
2200	5315460443	BRACKET H:41 S2000/S4000	8V2000M90	1	pc	65,000 g			
2250	304017008079	BOLT HEX		1	pc	11,700 g	M	8 X 20	ISO4017
2300	000125008427	WASHER		1	pc	1,500 g	A	8,4	DIN125
2350	000934008008	NUT HEX		1	pc	4,600 g	M	8	DIN934
2500	5241534540	BRACKET H:20	4000	1	pc	85,000 g			
2550	304017008081	HEX BOLT		1	pc	13,400 g	M	8 X 25	ISO4017
2600	007349008002	WASHER		2	pc	8,300 g		8,4	DIN7349
2650	000934008008	NUT HEX		1	pc	4,600 g	M	8	DIN934
2700	0001596540	CLAMP CABLE DN17		1	pc	1,900 g		DN17	
2750	X00010338	CLAMP CABLE DN22		1	pc	2,300 g		DN22	
2775	0005312181	QUICK-CATCH CLAMP	TYH/TYB 25M	3	pc	1,000 g		186X4,8X1,1MM D=3,5-45MM	
2850	X00010338	CLAMP CABLE DN22		2	pc	2,300 g		DN22	
2900	0001596540	CLAMP CABLE DN17		10	pc	1,900 g		DN17	
2950	5225460043	BRACKET L H:49	12/16V2000SG	2	pc	75,000 g			
3050	5801533240	BRACKET		1	pc	45,800 g			
3100	000933012058	BOLT HEX S2000/4000		1	pc	31,800 g	M	12 X 20	DIN933
3150	916016006202	CLAMP		1	pc	16,400 g	BRS	GU 6/20	N16016
3200	304017008077	BOLT HEX A3C S2000/4000		1	pc	10,500 g	M	8 X 16	ISO4017
3250	000125008427	WASHER		1	pc	1,500 g	A	8,4	DIN125
3350	5801530840	BRACKET		1	pc	69,600 g			
3400	000000003020	BOLT HEX A3C		1	pc	19,800 g	M	10 X 20	ISO4017
3450	000125010524	WASHER		1	pc	3,100 g	A	10,5	DIN125
3500	0001596540	CLAMP CABLE DN17		1	pc	1,900 g		DN17	
3600	0001596540	CLAMP CABLE DN17		4	pc	1,900 g		DN17	
3650	0001596440	CLAMP CABLE DN10		1	pc	1,200 g		DN10	
3750	X00032376	BRACKET		1	pc	197,400 g			
3800	0001596540	CLAMP CABLE DN17		2	pc	1,900 g		DN17	
3900	0001596540	CLAMP CABLE DN17		5	pc	1,900 g		DN17	
3950	0001596440	CLAMP CABLE DN10		1	pc	1,200 g		DN10	
4000	X00027636	BRACKET ASM		6	pc	48,100 g			
4050	000912010057	SCREW		6	pc	35,600 g	M	10 X 45	DIN912
4150	0001596540	CLAMP CABLE DN17		1	pc	1,900 g		DN17	
4250	5241538440	BRACKET		1	pc	30,100 g		SB	
4300	000000003347	BOLT HEX A3C		1	pc	37,500 g	M	10 X 55	ISO4017
4350	007349010002	WASHER		1	pc	11,000 g		10,5	DIN7349
4400	000934010005	NUT HEX		1	pc	10,400 g	M	10	DIN934
4450	0001596540	CLAMP CABLE DN17		1	pc	1,900 g		DN17	
4550	X00026945	CABLE CLAMP	T50SOSFT6	2	pc	1,300 g		M.STECKFUSS F. M8 AUSSENVERZAHN	
4750	5621870540	BRACKET FLAT H:50		1	pc	49,600 g			
4800	X00026945	CABLE CLAMP	T50SOSFT6	1	pc	1,300 g		M.STECKFUSS F. M8 AUSSENVERZAHN	
5050	X59654100002	BRACKET WIRING HARNESS ADEC		1	pc	90,600 g			
5100	304017008079	BOLT HEX		1	pc	11,700 g	M	8 X 20	ISO4017
5150	000125008427	WASHER		1	pc	1,500 g	A	8,4	DIN125

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN MEASUREMENT	STANDARD
5200	0005312181	QUICK-CATCH CLAMP	TYH/TYB 25M	3	pc	1,000 g	186X4,8X1,1MM D=3,5-45MM	
5300	0001596440	CLAMP CABLE DN10		4	pc	1,200 g	DN10	
5400	X00012556	RETAINER F. WIRING HARNESS		2	pc	31,700 g		
5450	000000003322	BOLT HEX A3C		2	pc	60,800 g	M 10 X 90	ISO4014
5550	5241534640	BRACKET L H:30 SENSOR E	4000	1	pc	47,000 g		
5600	000933012050	BOLT HEX		1	pc	57,000 g	M 12 X 55	DIN933
5800	0001596440	CLAMP CABLE DN10		3	pc	1,200 g	DN10	
5850	5241534640	BRACKET L H:30 SENSOR E	4000	1	pc	47,000 g		
5900	000000003020	BOLT HEX A3C		1	pc	19,800 g	M 10 X 20	ISO4017
5950	204017010021	BOLT A3C		1	pc	32,500 g	M 10 X 45	ISO4017
6000	007349010002	WASHER		1	pc	11,000 g	10,5	DIN7349
6050	0165313883	FEMALE CONNECTOR	STECKER F. ST-KONTAKT 2,5MM	1	pc	13,300 g	4POL. CODE 1 / DIN 72585 ST	
6100	0165314683	BAYONET COUPLING	BEFESTIGUNGSRING	1	pc	2,800 g	DIN 72585	
6110	0165313583	BLANKING PLUG	BLINDSTOPFEN	4	pc	0,100 g	SYSTEM 2,5MM / 2,8MM	
6150	5621870540	BRACKET FLAT H:50		1	pc	49,600 g		
6200	304017008085	BOLT HEX		1	pc	18,000 g	M 8 X 40	ISO4017
6250	0001596440	CLAMP CABLE DN10		1	pc	1,200 g	DN10	
6550	X00012556	RETAINER F. WIRING HARNESS		12	pc	31,700 g		

EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
ACCESSORIES FOR ENGINE GOVERNOR (ELECTRONIC)
CONTROL SYSTEM

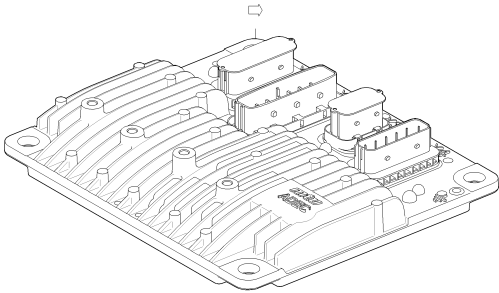
SERIAL NUMBER: 526108120
FG/FGS: 508

GROUP SEGMENT (FGS)

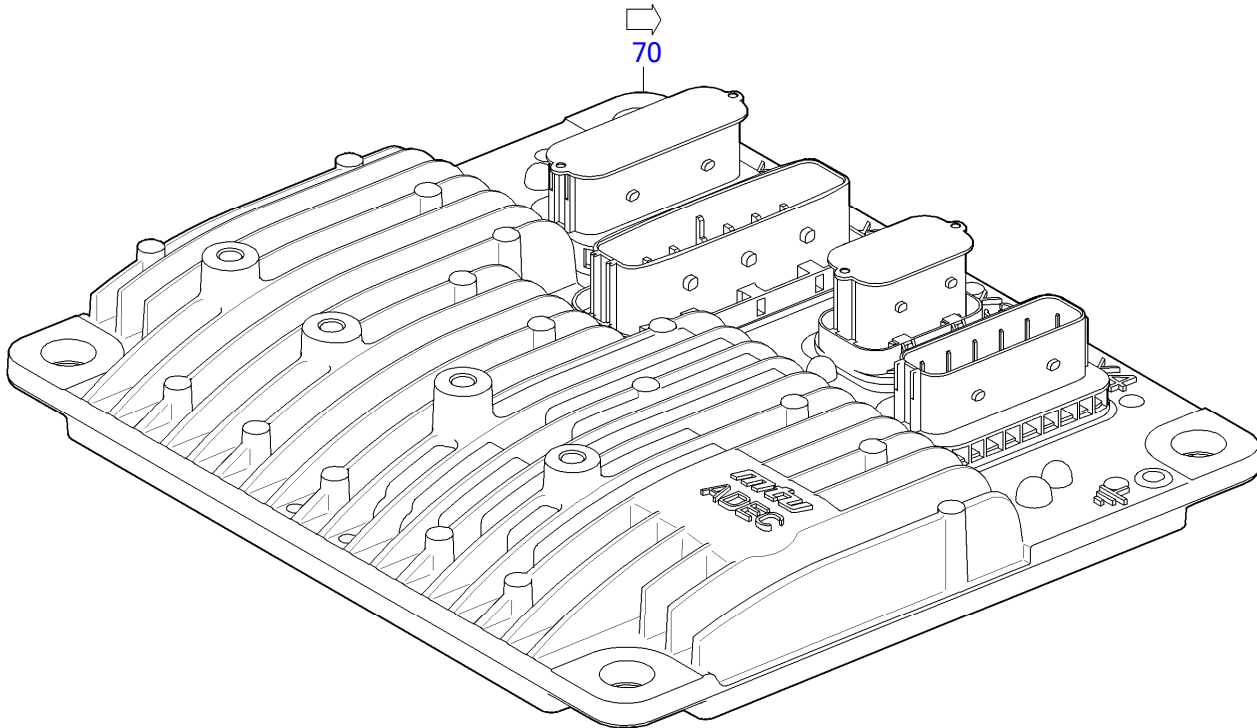
GROUP NAME

BOM-No.

10
GOVERNOR F/MONTRG SYST + GOV
X00043550

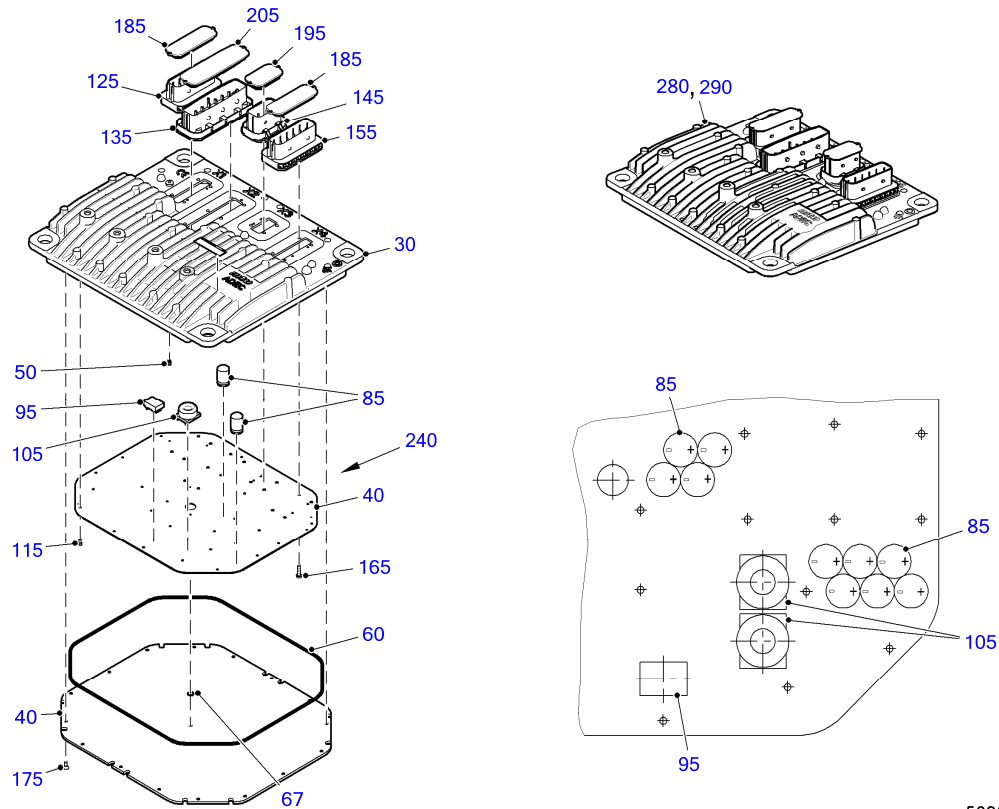


56001986



50800198d

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT
70	X00E50209366	GOVERNOR	ECU7-05/C	1	pc	5,500 kg	EM	ECU7-05/C; 360X314X95 (LXBXH)



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POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
30	X00002024	HOUSING	ECU 7-02	1	pc	3,627 kg	AB	360X314X60	
40	5015331436	PLATE FOR GOVERNOR	ECU 7-01	1	pc	1,070 kg	BLECH	4X309X355	
50	X00009560	LIGHT LADDER WITH O-RING		1	pc	0,150 g			
60	700429338000	O-RING		1	pc	16,400 g		338 X 3	MMN429
67	700429007001	O-RING		1	pc	2,000 g		7 X 1,5	MMN429
85	0065315725	CAPACITOR	ELKO ALSIC145 680UF 63V	10	pc	3,000 g	ELKO	680UF, 63V, 20%	
95	0005327956	TRANSFORMER	EVD15	1	pc	2,000 g	LP44UH,UE0-50V, W1=28, W2=19WX=8		
105	0005318954	REACTOR	SDR 4,3-0,034	2	pc	10,000 g	LI+LII=35UH +/-15%, I=4,4A,		
115	000000003652	TORX SCREW		23	pc	0,700 g	M3 GF X 8		MBN10226
125	0025318185	BLADE CONNECTOR	46 POL.	1	pc	20,000 g	GERADE, 3-REIHIG, CODIERUNG:A		
135	0025318685	BLADE CONNECTOR	92POL. MESSERLEISTE MCP	1	pc	50,000 g	GERADE, 4-REIHIG, CODIERUNG:A		
145	0025318585	BLADE CONNECTOR	21 POL.	1	pc	20,000 g	GERADE, 3-REIHIG, CODIERUNG:A		
155	0025318285	BLADE CONNECTOR	46 POL.	1	pc	20,000 g	GERADE, 3-REIHIG, CODIERUNG:B		
165	000000003617	SLOT PAN-HEAD SCREW		18	pc	1,400 g	4 X 16		MBN10266
175	X00E50200962	COUNTERSUNK HD SCREW	M4X10/DN7500	17	pc	1,000 g	DIN7500 M4X10-ST-T10		
185	X00010313	DUST CAP FOR CONNECTOR	MCP 46 POL.	2	pc	10,000 g	FUER AMP- BUCHSENGEHAEUSE 21POL		
195	X00010310	DUST CAP W/MALE CONNECTOR	MCP 21 POL.	1	pc	10,200 g	FUER AMP- BUCHSENGEHAEUSE 21POL		
205	X00010316	DUST CAP FOR CONNECTOR	STAUBKAPPE MCP 92 POL.	1	pc	2,000 g	FUER AMP- BUCHSENGEHAEUSE 92POL		
240	X00009977	2-COMP. SILIC.RUBBER	KARTUSCHE 330 ML	1	pc	400,000 g	ELASTOSIL SG 500 A/B		

EQUI TYPE: Engine

PRODUCT TYPE: 12V4000G23R
GOVERNOR

SERIAL NUMBER: 526108120

FG/FGS:

BOM-No.: X00E50209366

POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
280	X00E50209366/76	GOVERNOR NOT ADJUSTED	ECU7-05/C	1	pc	5,000 kg	UB	ECU7-05/C FUER ET-LIEFERUNG	
290	X00E50209366/77	GOVERNOR ADJUSTED	ECU7-05/C	1	pc	5,000 kg	UB	ECU7-05/C FUER ET-KATALOG	