



SPARE PART CATALOG

8V199TE20/522.952-00-565564



A Rolls-Royce
solution

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

00

ALTERNATOR

XS523210.00001

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

ALTERNATOR

FG/FGS: 000 00

BOM-No.: XS523210.00001

☐	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	10	X00029309	SUPPORT FOR ALTERNATOR		1	PC	12,2 kg		
	30	000960014194	HEX SCREW		4	PC	92 g	M 14 X 1,5 X 60	DIN960
	40	5231550027	RETAINER		1	PC	202,6 g		
	60	304017008079	HEX SCREW		2	PC	11,7 g	M 8 X 20	ISO4017
	70	206796008000	CONICAL SPR. WASHER		2	PC	2,8 g	8	DIN6796
	80	X00041665	ALTERNATOR	6V199 / FUCHS	1	PC	39,6 kg		
	100	8371550137	MOUNTING BRACKET		2	PC	244,5 g		
	110	000000002088	HEX SCREW		4	PC	72,4 g	M 12 X 80	ISO4017
	120	000125013012	WASHER		4	PC	5,6 g	A 13	DIN125
	130	000007008108	DOWEL PIN		1	PC	5,3 g	8 M6 X 12	DIN7
	150	007603018101	COPPER SEALING RING		2	PC	1,3 g	A 18 X 22	DIN7603
	160	000908018002	PLUG		2	PC	0,029 kg	M 18 X 1,5	DIN908
8	170	X00030391	RETAINER FOR BELT TENSIONER		1	PC	720 g		
	190	304017008085	HEX SCREW		3	PC	18 g	M 8 X 40	ISO4017
	200	000125008427	WASHER		3	PC	1,5 g	A 8,4	DIN125
7	210	X00029644	TENSIONING LEVER FOR BELT TENSIONER		1	PC	358 g		
	230	5239900140	WASHER	BR 199	1	PC	23,4 g		
	231	700429026000	O-RING		2	PC	0,1 g	26 X 1	MMN429
	240	000125008427	WASHER		1	PC	1,5 g	A 8,4	DIN125
	250	304017008085	HEX SCREW		1	PC	18 g	M 8 X 40	ISO4017
	252	40477	PASTE OPTIMOLY	CASTROL MOLUB-ALLOY WHITE T	0,010	KG	1,14 kg	1 TIN = 1 KG	
	260	0001550030	BELT TENSION ROLLER		1	PC	155 g		
	280	007349008002	WASHER		1	PC	7,9 g	8,4	DIN7349
	290	304017008079	HEX SCREW		1	PC	11,7 g	M 8 X 20	ISO4017
	300	0002000114	SHOCK ABSORBER		1	PC	525,4 g		
	320	5231550474	BOLT		1	PC	52,4 g		
	330	912007010003	CLIP		2	PC	2,7 g	10	N12007
	340	X00029274	BELT PULLEY		1	PC	720,9 g		
	360	006888008005	WOODRUFF KEY		1	PC	9 g	8 X 9	DIN6888
	370	000439027200	HEX NUT		1	PC	84,9 g	B M 27 X 1,5	DIN439
	380	0119977992	RIBBED BELT	8V2000 TE20	1	PC	150 g		

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

TENSIONING LEVER FOR BELT TENSIONER

FG/FGS:

BOM-No.: X00029644

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	20	5231550074	PIN	1	PC	29,2 g		
	30	5302020253	SPACER SLEEVE	1	PC	0,02 kg		
	40	0006681286274116	ROUND STOCK	36	MM	7,989 kg	36 H11	EN10278

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
RETAINER FOR BELT TENSIONER

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X00030391

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	10	X00030390	RETAINER FOR BELT TENSIONER	1	PC	0,7 kg		
	20	717152320000	BEARING BUSH	2	PC	9 g	20 X 12	MMN17152.3

© 2021 Copyright MTU Friedrichshafen GmbH

This Publication is protected by copyright and may not be used in any way whether in whole or in part without the prior written permission of MTU Friedrichshafen GmbH. This restriction also applies to copyright, distribution, translation, microfilming and storage or processing on electronic systems including data bases and online services.

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 25-12-2023**

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.

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 on spare parts labels.

Catalog structure

The catalog is divided into Function Groups (FG) and Function Group Segments (FGS) in ascending order according to the MTN 5153 works standard.

Catalog pages

Depending on the type of the product, the header of the page contains the following information:

- **EQUIPMENT TYPE** or **EQUI TYPE** = e.g.: Engine, Gas Turbine, Automation, System; ...
- **PRODUCT TYPE** = e.g.: 16V4000M93 for EQUI TYPE "Engine", e.g. LM2500 for EQUI TYPE "Gas Turbine"
- **SERIAL NUMBER** = Serial number of a product type
- **BOM-No.** = Bill of material number
- **FUNCTION GROUP** or **FG** = Classification feature of the product according to works standard MTN 5153
- **FG/FGS** = Function Group/Function Group Segment
- **FG DESIGNATION**= Designation of the Function Group according to works standard MTN5153
- **GROUP NAME** = Designation of the bill of material

Table columns

The table contains the following columns depending on the product type.

-  Refers to the catalog page showing a detailed illustration of the part.
- **POS.** (position number): Provides a cross-reference between illustration and text section.
- **PART NO.:** This is the valid number for ordering the part in question (SAP material number).
- **DESIGNATION:** The precise MTU part name (description of the material in SAP).
- **MODEL/TYPE:** Is an additional specification.
- **QTY.** (quantity in unit):
Indicates the quantity of this part required for the installation position shown in the illustration.
Quantities not stated are available on request.
- **UNITS:** The unit of the specified quantity.
PC=Piece, KG= Kilogram, M= Meter, ROL= Roll, PAK= Pack
- **WEIGHT:** Weight of the part in question.
- **FN** (footnote): Provides additional parts information. For clarification of footnote symbols, see nest page.
- **MEASUREMENT:**
The dimensions of the part in question.
For purchase parts, this column may contain the name of the manufacturer.
- **STANDARD:** The applicable standard for the part in question.

Key to the footnotes (column "FN")

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 parts.
EMN	Emission-relevant parts. Component only available complete.
KD	Group balancing required.
KE	Individual part; not scheduled as a spare part.
KF	Calibrated spare part.
KFN	Calibrated 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:

- Product type
- Serial No. (see nameplate)
- FG/FGS
- Item
- Part number
- Designation
- Model/Type
- Quantity
- Page

When ordering spare parts for ancillary equipment such as injection pump, fuel delivery pump, 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 Code 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.: 5005362810/76)

Phone orders should be confirmed in writing to prevent errors.

Ordering Example

Product Type	Serial No.	FG/FGS	Pos	Part number	Designation	Qty.	Page
16V4000R41	527101836	031 88	5	5270300701	Crankshaft	1	33
		083 05	5	0020922801	Fuel filter spin-on	1	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 part number:

For instance: **E 524 010 35 20 = New component in exchange program**
R 524 010 35 20 = 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.

Emission regulations and emission labels

Responsibility for compliance with emission regulations

Modification or removal of any mechanical/electronic components or the installation of additional components including the execution of calibration processes that might affect the emission characteristics of the product are prohibited by emission regulations. Emission control units/systems may only be maintained, exchanged or repaired if the components used for this purpose are approved by the manufacturer. Noncompliance with these regulations will invalidate the design type approval issued by the emissions regulation authorities. The manufacturer does not accept any liability for violations of the emission regulations.

The maintenance schedules of the manufacturer must be observed over the entire life cycle of the product.

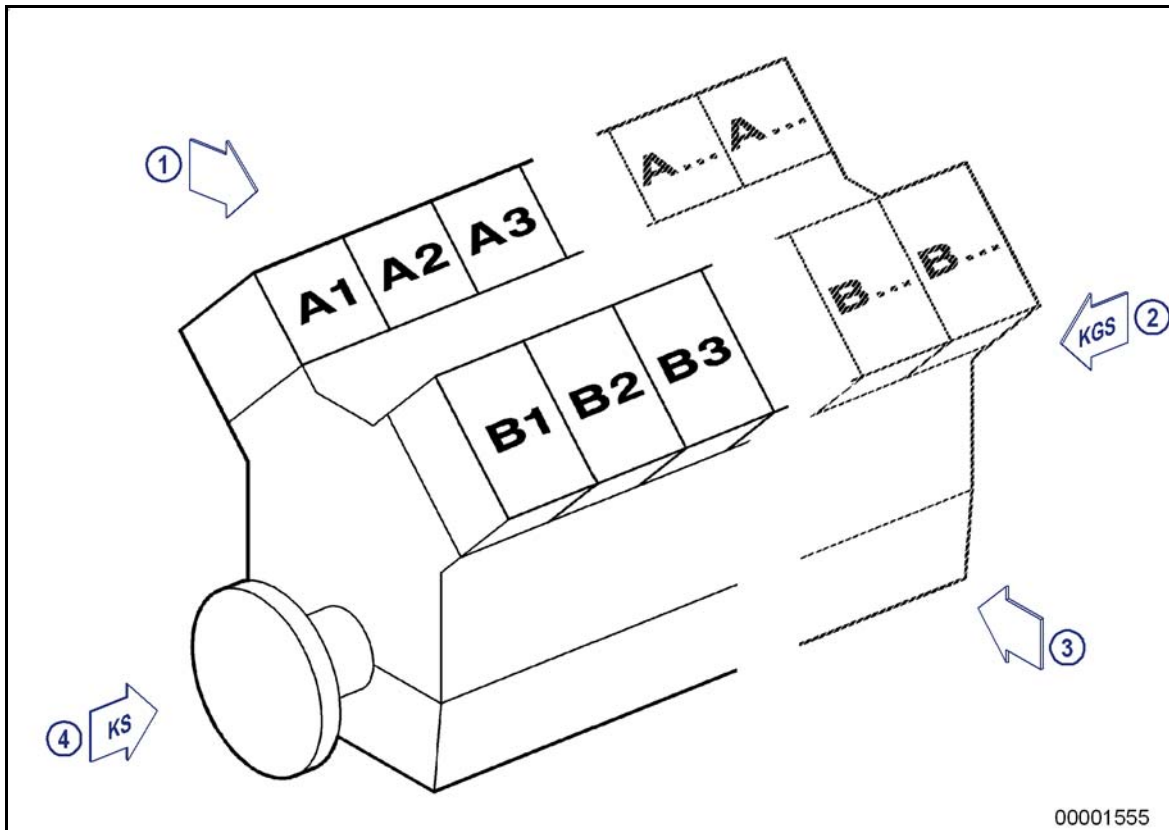
Replacing components with emission labels

Emission labels are attached to all MTU engines. These must remain on the engine throughout its operational life. Engines used exclusively in land-based, military applications other than by US government agencies are excepted from this proviso.

Please note the following when replacing components with emission labels:

- Appropriate emission labels must be affixed on spare parts.
- Emission labels may not be transferred from old components to new ones.
- Emission labels on old components must be removed and destroyed.

Engine side and cylinder designations



- | | |
|---|---|
| 1 Left engine side (A-side) | 3 Right engine side (B-side) |
| 2 Engine free end in accordance with
DIN ISO 1204
(KGS = Kupplungsgegenseite) | 4 Engine driving end in accordance with
DIN ISO 1204 (KS = Kupplungsseite) |

Engine sides are always designated (in accordance with DIN ISO 1204) as viewed from driving end (4).

For cylinder designation (in accordance with DIN ISO 1204) the letter "Ax" refers to the cylinders on the left-hand side of the engine (1) and letter "Bx" refers to the cylinders on the right-hand side (3). The cylinders of each bank are numbered consecutively, starting with x=1 at driving end (4).

The numbering of other engine components also starts with 1 at driving end (4).

FG	FG DESIGNATION
000	MAJOR DOCUMENTATION
004	LABELS AND MISCELLANEOUS MATERIALS
014	CRANKCASE BOTTOM PART
015	ENGINE MOUNTING
030	RUNNING GEAR
032	CRANKSHAFT, PTO DRIVING END
081	FUEL PIPEWORK BEFORE FUEL PUMP
082	FUEL PIPEWORK FROM PUMP TO FILTER
096	ELECTRONIC ENGINE GOVERNOR (ON-ENGINE SCOPE OF SUPPLY)
101	EXHAUST TURBOCHARGER, GENERAL OR HP TURBOCHARGER
110	CHARGE-AIR COOLING / GAS MIXTURE COOLING
120	AIR SYSTEM / AIR DUCTING
172	ELECTRIC STARTING
175	COLD STARTING SYSTEM
181	LUBE OIL PUMP WITH DRIVE
183	OIL FILTRATION/COOLING
200	COOLANT SYSTEM
230	MOUNTING SYSTEM
360	AUXILIARY SYSTEMS / ADDITIONAL EQUIPMENT
362	COMPRESSED-AIR SUPPLY SYSTEM
413	HYDRAULIC SYSTEM
507	GENERAL WIRING, FOR ENGINE / GEARBOX / PLANT
512	SPEED MONITORING SYSTEM
519	LEVEL MONITORING SYSTEM
540	GOVERNOR RELATED DATA
XX	XX
ZZ	loose accessories

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

LABELS AND MISCELLANEOUS MATERIALS

FG/FGS: 004

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

05

ENGINE TAG/ENGINE NUMBER

505.175/01

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
CRANKCASE BOTTOM PART

SERIAL NUMBER: 522.952-00-565564
FG/FGS: 014

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

05

OIL PAN

X00042936

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

OIL PAN

FG/FGS: 014

05

BOM-No.:

X00042936

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT
13	40	5230100813	OIL PAN	8V199TE20	1	PC	48 kg

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
OIL PAN UPPER PART

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5230100513

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT
	5	5230140502	OIL PAN UPPER PART	8V199	1	PC	20 kg

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

OIL PAN LOWER PART

FG/FGS:

BOM-No.: 5230100713

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	5	5230140702	OIL PAN LOWER PART	8V199TE20	1	PC			
	25	5069971816	THREADED BUSHING		3	PC	37,7 g	M26X1,5/M32X1,5	
	30	735072052000	PLUG		2	PC	0,105 kg	M 52 X 2	MTN5072
	35	735072036000	PLUG		5	PC	46,2 g	M 36 X 2	MTN5072

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
ENGINE MOUNTING

SERIAL NUMBER: 522.952-00-565564
FG/FGS: 015

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

05

ENGINE MOUNTING KGS ENGINE-SIDE

062.549/01

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
ENGINE MOUNTING KGS ENGINE-SIDE

SERIAL NUMBER: 522.952-00-565564

FG/FGS: 015 05

BOM-No.: 062.549/01

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	10	5062302740	SUPPORT		1	PC	5,5 kg		
	15	5062370012	RUBBER MOUNT		1	PC	2,1 kg		DBL5557.25
	25	000961012006	HEX SCREW		4	PC	33 g	M 12 X 1,5 X 20	DIN961
	30	000125013012	WASHER		4	PC	5,6 g	A 13	DIN125
	35	5062374065	HEAT SHIELD		1	PC	282,5 g		
	45	000960012262	HEX SCREW		4	PC	65,8 g	M 12 X 1,5 X 60	DIN960
	50	000125013012	WASHER		4	PC	5,6 g	A 13	DIN125
	55	5062200007	MOUNTING BRACKET	PIZARRO	1	PC	4,1 kg		
	65	000931012143	HEX SCREW		6	PC	72,5 g	M 12 X 70	DIN931
	70	000931012156	HEX SCREW		2	PC	106 g	M 12 X110	DIN931
	75	000125013012	WASHER		8	PC	5,6 g	A 13	DIN125
	80	5372240284	THRUST WASHER		2	PC	300,5 g		
	85	0002232612	RUBBER MOUNT		2	PC	101,5 g		
	95	000000000267	HEX SCREW		2	PC	194,1 g	M 16 X120	ISO4017
	100	000125017014	WASHER		2	PC	9,7 g	A 17	DIN125
	105	000934016006	NUT HEX 10		2	PC	29,9 g	M 16	DIN934

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

RUNNING GEAR

FG/FGS: 030

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

00

COUPLING

062.550/01

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
COUPLING

SERIAL NUMBER: 522.952-00-565564

FG/FGS: 030 00

BOM-No.: 062.550/01

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
20	10	0102500401	STEEL-SPRING COUPLG	1	PC	58 kg		
	20	000933010116	HEX SCREW	12	PC	34 g	M 10 X 45	DIN933
	25	206796010000	CONICAL SPR. WASHER	12	PC	5,9 g	10	DIN6796

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

STEEL-SPRING COUPLG

FG/FGS:

BOM-No.: 0102500401

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
	10	Z=1G 3117G	SPRING PACK	12	PC		AC		
	15	Z=1G 3118G	INTERMEDIATE MEMBER	12	PC		AC		
	20	8692500010	CLAMPING RING	1	PC	4,938 kg			
	25	Z=G3 04203	FLANGE	1	PC		AC		
	30	Z=G3 03749A	SIDE PLATE	1	PC		AC		
	35	Z=G3 04202B	INNER STAR	1	PC		AC		
	40	8692500020	BRONZE RING	2	PC	159 g			
	45	Z=1G 3117	SHIM	156	PC		AC		
	50	Z=48X18X0.3	SHIM	1	PC		AC		
	55	8692500010	CLAMPING RING	12	PC	4,938 kg			
	60	Z=RIBE M10X25	SCREW	48	PC		AC	M 10 X25	
	65	000908010002	SCREWED PLUG	2	PC	0,006 kg		M 10 X 1	DIN908
	70	8699930067	DISHED WASHER	48	PC			20 X 10,2 X 1,1	
	75	Z=14 X 10 X 1	WASHER	2	PC		AC		
	80	8699970392	SEALING RING	2	PC	42 g		177.16 X 6.99	
	85	700429380002	O-RING	2	PC	33 g		380 X 4	MMN429
	90	8699920007	SLEEVE	24	PC	2 g		4X30	

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
CRANKSHAFT, PTO DRIVING END

SERIAL NUMBER: 522.952-00-565564
FG/FGS: 032

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

20

FLYWHEEL

X00042943

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
FLYWHEEL

SERIAL NUMBER: 522.952-00-565564

FG/FGS: 032 20

BOM-No.: X00042943

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT
23	20	5230300111	FLYWHEEL	8V199TE20	1	PC	31,96 kg	EM	
	30	4220320271	12-POINT HEAD SCREW		10	PC	140,1 g		M16 X 1,5 X 74

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
FLYWHEEL

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5230300111

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT
	5	5230320101	FLYWHEEL	8V199TE20	1	PC	29,158 g	EM	J=0,89KGM2
	10	4030320405	RING GEAR		1	PC	4,7 kg		

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL PIPEWORK BEFORE FUEL PUMP

FG/FGS: 081

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

05

ATTACHMENTS

XS523010.00006

10

FUEL PUMP

060.970/01

ATTACHMENTS

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
	20	700425000113	PLATE		1	PC	2,7 g	04.4		MMN425
	30	001476003007	PIN GROOVED		2	PC	0,5 g	A 3 X 6		ISO8746
	50	5232240007	MOUNTING BRACKET		2	PC	1 kg			
	60	304017010040	HEX SCREW		4	PC	22,6 g	M 10 X 25		ISO4017
	70	000125010524	WASHER		4	PC	3,1 g	A 10,5		DIN125
53	80	X52301500002	LIFTING EYE		1	PC	1,4 kg			
	90	9060170860	SEALING SLEEVE	BR199	8	PC	6,4 g			
	110	0000700181	FUEL HOSE		1	PC	176 g			
	120	700160000010	ELBOW 90 DEG KR 10		1	PC	76,8 g	KR 10		MMN160
	130	915011010101	BOLT BANJO A 10		1	PC	36,2 g	A 10		N15011
	140	007603016105	COPPER SEALING RING		2	PC	3 g	A 16 X 20		DIN7603
	150	915001010004	NUT		1	PC	20 g	10 M 18 X 1,5		N15001
	160	915005010000	CONE SEALING 12		1	PC	5,4 g	12		MBN15005
	170	915007010001	CONNECTOR 10/8		1	PC	33,1 g	10 / 8		N15007
	190	5410701533	FUEL PRESSURE LINE		8	PC	75,9 g			
29	210	5230700632	FUEL LINE		1	PC	267 g	12 X 1		
	230	204017010004	HEX SCREW		1	PC	17,9 g	M 10 X 16		ISO4017
	240	000125010524	WASHER		1	PC	3,1 g	A 10,5		DIN125
	250	000000003387	HEX SCREW		1	PC	5,1 g	M 6 X 16		ISO4017
	260	000125006431	WASHER		1	PC	0,8 g	A 6,4		DIN125
	270	8801590040	RETAINER		1	PC	54 g			
	280	916016012200	CLAMP		1	PC	10 g	BRSQU 12/15		N16016
	290	5231500073	RETAINER		1	PC	23,4 g			
	300	916016012201	CLAMP		2	PC	21 g	BRSQU 12/20		N16016
	310	304017008079	HEX SCREW		2	PC	11,7 g	M 8 X 20		ISO4017
	320	000125008427	WASHER		2	PC	1,5 g	A 8,4		DIN125
	330	5502030043	ANGLE		1	PC	31 g	H023		
	340	8331501573	BRACKET FLAT W/MB NU T H:60		1	PC	18,2 g	SB		
	350	916016012200	CLAMP		1	PC	10 g	BRSQU 12/15		N16016
	360	304017006058	HEX SCREW		1	PC	4,4 g	M 6 X 12		ISO4017
	370	000125006431	WASHER		1	PC	0,8 g	A 6,4		DIN125
	380	000000003020	HEX SCREW		1	PC	20 g	M 10 X 20		ISO4017
	390	000125010524	WASHER		1	PC	3,1 g	A 10,5		DIN125
30	410	5230700732	FUEL LINE		1	PC	150 g			
	420	915011010101	BOLT BANJO A 10		1	PC	36,2 g	A 10		N15011
	430	007603016104	SEALING RING		2	PC	2,6 g	A 16 X 24		DIN7603
46	450	5230702932	FUEL LINE		1	PC	0,315 kg			
	470	700325018100	CLAMP HALF TUBE 1/1 D9-18		2	PC	40 g	1/1 D 9 - 18		MMN325
	480	700327012000	GROMMET		1	PC	4,6 g	12		MMN327
	490	304017008085	HEX SCREW		1	PC	18 g	M 8 X 40		ISO4017
	500	304017008079	HEX SCREW		1	PC	11,7 g	M 8 X 20		ISO4017
	510	304017008077	HEX SCREW		1	PC	10,5 g	M 8 X 16		ISO4017
	520	000125008427	WASHER		3	PC	1,5 g	A 8,4		DIN125
	530	8331501573	BRACKET FLAT W/MB NU T H:60		1	PC	18,2 g	SB		
	540	916016012201	CLAMP		2	PC	21 g	BRSQU 12/20		N16016
	550	5230780041	RETAINER		1	PC	156,5 g			
	560	000000003020	HEX SCREW		1	PC	20 g	M 10 X 20		ISO4017
	570	000125010524	WASHER		1	PC	3,1 g	A 10,5		DIN125
	580	5559970115	THREAD INSERT		1	PC	11,8 g	M10 /M14X1,5		
	590	700325018104	CLAMP HALF TUBE 2/1 D9-18		2	PC	50,9 g	2/1 D 9 - 18		MMN325
	600	304017008090	HEX SCREW		1	PC	27,3 g	M 8 X 70		ISO4017
31	620	5230700932	FUEL LINE		1	PC	130,3 g			
	630	915011010101	BOLT BANJO A 10		1	PC	36,2 g	A 10		N15011
	640	007603016104	SEALING RING		2	PC	2,6 g	A 16 X 24		DIN7603

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
32	660	5230701032	FUEL LINE		1	PC	157,8 g		12 X 1	
	670	915011010101	BOLT BANJO A 10		1	PC	36,2 g		A 10	N15011
	680	007603016104	SEALING RING		2	PC	2,6 g		A 16 X 24	DIN7603
33	700	5230701132	FUEL LINE		1	PC	130 g			
	710	735214012000	UNION		1	PC	43,5 g		12	MTN5214
52	720	5239900063	BANJO SCREW		1	PC	30,8 g		A 10	
	730	007603016105	COPPER SEALING RING		2	PC	3 g		A 16 X 20	DIN7603
	740	915011006102	BOLT BANJO A 6		1	PC	22,3 g		A 6	N15011
	750	007603012111	COPPER SEALING RING		2	PC	0,7 g		A 12 X 15,5	DIN7603
	760	915005010000	CONE SEALING 12		1	PC	5,4 g		12	MBN15005
	770	915001010004	NUT		1	PC	20 g		10 M 18 X 1,5	N15001
	790	916016008202	CLAMP		1	PC	17,9 g		BRSQU 8/20	N16016
	800	916016012201	CLAMP		1	PC	21 g		BRSQU 12/20	N16016
	810	304017008079	HEX SCREW		1	PC	11,7 g		M 8 X 20	ISO4017
	820	000125008427	WASHER		1	PC	1,5 g		A 8,4	DIN125
	830	304032008014	NUT HEX 8 A3C		1	PC	4,8 g		M 8	ISO4032
47	850	5230703732	FUEL LINE		1	PC	149,1 g		12 X 1	
	860	915013010001	UNION		1	PC	29,2 g		10	N15013
	870	007603016105	COPPER SEALING RING		1	PC	3 g		A 16 X 20	DIN7603
51	890	5234700081	RETAINER	8V199TE20	1	PC	295,9 g			
	900	304017010047	HEX SCREW		2	PC	27,2 g		M 10 X 35	ISO4017
	910	304017010038	HEX SCREW		3	PC	24,9 g		M 10 X 30	ISO4017
	920	000125010524	WASHER		5	PC	3,1 g		A 10,5	DIN125
34	940	5230701432	FUEL LINE		1	PC	128,4 g		12 X 1	
	950	915011010101	BOLT BANJO A 10		1	PC	36,2 g		A 10	N15011
	960	735214012000	UNION		1	PC	43,5 g		12	MTN5214
	970	007603016105	COPPER SEALING RING		2	PC	3 g		A 16 X 20	DIN7603
35	990	5230701532	FUEL LINE		1	PC	168 g		12 X 1	
36	1010	5230701632	FUEL LINE		1	PC	161,9 g		10 X 1	
	1020	915011010101	BOLT BANJO A 10		1	PC	36,2 g		A 10	N15011
52	1030	5239900063	BANJO SCREW		1	PC	30,8 g		A 10	
	1040	007603016105	COPPER SEALING RING		4	PC	3 g		A 16 X 20	DIN7603
37	1060	5230701732	FUEL LINE		1	PC	146,6 g		10 X 1	
	1070	915011010101	BOLT BANJO A 10		2	PC	36,2 g		A 10	N15011
	1080	007603016105	COPPER SEALING RING		4	PC	3 g		A 16 X 20	DIN7603
38	1100	5230701832	FUEL LINE		1	PC	97,7 g		10 X 1	
	1110	8331501573	BRACKET FLAT W/MB NU T H:60		1	PC	18,2 g	SB		
	1120	304017008079	HEX SCREW		2	PC	11,7 g		M 8 X 20	ISO4017
	1130	000125008427	WASHER		2	PC	1,5 g		A 8,4	DIN125
	1140	916016010203	CLAMP		1	PC	0,02 kg		BRSQU 10/20	N16016
	1150	5410700646	VALVE	8V199	1	PC	132,5 g			
	1160	5230780068	CONNECTING PIECE		1	PC	59,7 g			
	1170	915007010001	CONNECTOR 10/8		1	PC	33,1 g		10 / 8	N15007
	1180	007603016105	COPPER SEALING RING		2	PC	3 g		A 16 X 20	DIN7603
39	1200	5230701932	FUEL LINE		1	PC	153,6 g		12 X 1	
	1210	8331501573	BRACKET FLAT W/MB NU T H:60		1	PC	18,2 g	SB		
	1220	304017008079	HEX SCREW		2	PC	11,7 g		M 8 X 20	ISO4017
	1230	000125008427	WASHER		2	PC	1,5 g		A 8,4	DIN125
	1240	916016012201	CLAMP		1	PC	21 g		BRSQU 12/20	N16016
	1260	700325018100	CLAMP HALF TUBE 1/1 D9-18		2	PC	40 g		1/1 D 9 - 18	MMN325
	1270	700327012000	GROMMET		1	PC	4,6 g		12	MMN327
40	1280	5230702032	FUEL LINE		1	PC	24,7 g		5 X 0,7	
	1290	915011002102	BOLT BANJO A 2/3		2	PC	8,4 g		A 2/3	N15011
	1300	007603008106	WASHER A COP		4	PC	0,7 g		A 8 X 14	DIN7603

ATTACHMENTS

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
	1320	5360701432	FUEL LINE	BR2000	6	PC	23,5 g	SB	5 X 0,7	
	1330	915011002102	BOLT BANJO A 2/3		2	PC	8,4 g		A 2/3	N15011
	1340	915047004100	BOLT BANJO A 4/5		7	PC	11,1 g		A 4/5	N15047
	1350	007603008106	WASHER A COP		27	PC	0,7 g		A 8 X 14	DIN7603
41	1370	5230702132	FUEL LINE		1	PC	36,7 g		5 X 0,7	
42	1390	5230702232	FUEL LINE		1	PC	44,7 g		5 X 0,7	
	1400	915047004100	BOLT BANJO A 4/5		1	PC	11,1 g		A 4/5	N15047
	1410	007603008106	WASHER A COP		3	PC	0,7 g		A 8 X 14	DIN7603
28	1430	5230700032	FUEL LINE		1	PC	92,4 g			
	1440	915011006102	BOLT BANJO A 6		1	PC	22,3 g		A 6	N15011
	1450	007603012111	COPPER SEALING RING		2	PC	0,7 g		A 12 X 15,5	DIN7603
43	1470	5230702432	FUEL LINE		1	PC	60 g			
	1480	915011002102	BOLT BANJO A 2/3		1	PC	8,4 g		A 2/3	N15011
	1490	007603008109	WASHER A COP		2	PC	0,3 g		A 8 X 11,5	DIN7603
44	1510	5230702532	FUEL PIPELINE		1	PC	42,2 g		5 X 1	
	1520	915011002102	BOLT BANJO A 2/3		1	PC	8,4 g		A 2/3	N15011
	1530	915047004100	BOLT BANJO A 4/5		1	PC	11,1 g		A 4/5	N15047
	1540	007603008109	WASHER A COP		5	PC	0,3 g		A 8 X 11,5	DIN7603
	1560	916016006201	CLAMP		2	PC	7,7 g		BRSGU 6/15	N16016
	1570	000000003387	HEX SCREW		1	PC	5,1 g		M 6 X 16	ISO4017
	1580	000125006431	WASHER		1	PC	0,8 g		A 6,4	DIN125
	1590	304032006011	HEX NUT		1	PC	2,2 g		M 6	ISO4032
45	1610	5230702632	FUEL PIPELINE		1	PC	20,9 g		5 X 1	
	1620	735080006100	VALVE NON RETURN RHV K 6-LM ED 3		1	PC	47,3 g		RHV K 6-LM-ED 3	MTN5080
	1630	5230780168	CONNECTING PIECE	8V199TE20	1	PC	18,1 g			
	1640	007603010112	SEALING RING		1	PC	0,5 g		A 10 X 15	DIN7603
	1650	915006003001	UNION		1	PC	0,012 kg	3		N15006
	1670	8371501973	RETAINER		1	PC	0,022 kg			
	1680	916016006201	CLAMP		1	PC	7,7 g		BRSGU 6/15	N16016
	1690	304017006058	HEX SCREW		1	PC	4,4 g		M 6 X 12	ISO4017
	1700	000125006431	WASHER		1	PC	0,8 g		A 6,4	DIN125
48	1720	5230703832	FUEL LINE		1	PC	69,3 g			
	1730	915047004100	BOLT BANJO A 4/5		1	PC	11,1 g		A 4/5	N15047
	1740	007603008109	WASHER A COP		3	PC	0,3 g		A 8 X 11,5	DIN7603
27	1910	5230100066	GUIDE TUBE FOR OIL DIPSTICK	8V199TE20	1	PC	251,5 g			
	1920	5230100672	OIL DIPSTICK	6V199	1	PC	89,8 g			
	1930	700325015110	CLAMP HALF TUBE 1/1 D11-15		2	PC	30,2 g		1/1 D11 - 15	MMN325
	1940	700327010000	GROMMET		1	PC	2,8 g		10	MMN327
	1950	007349010001	WASHER		1	PC	10,9 g		10,5	DIN7349
	1960	000125010524	WASHER		1	PC	3,1 g		A 10,5	DIN125
	1970	304017010015	HEX SCREW		1	PC	39,2 g		M 10 X 60	ISO4017
	1980	700327010000	GROMMET		1	PC	2,8 g		10	MMN327
	1990	700325015100	CLAMP HALF TUBE 1/1 D9-15		1	PC	0,033 kg		1/1 D 9 - 15	MMN325
	2000	700325015200	CLAMP HALF TUBE 1/1 G8-15		1	PC	34,2 g		1/1 G 8 - 15	MMN325
	2010	304017008083	HEX SCREW		1	PC	15,1 g		M 8 X 30	ISO4017
	2030	915013008002	SCREW NECK		1	PC	24 g		8 (M16X1,5/M14X1,5)	N15013
	2040	007603014106	WASHER A COP		1	PC	1,7 g		A 14 X 20	DIN7603
26	2060	5230100024	OIL PIPE		1	PC	543,7 g		22 X 2	
	2080	915013020000	UNION		2	PC	66,8 g		20	N15013
	2090	007603026101	WASHER A COP		2	PC	3,7 g		A 26 X 32	DIN7603
	2110	000908026005	THREAD PLUG		1	PC	0,069 kg		M 26 X 1,5	DIN908
	2120	007603026101	WASHER A COP		1	PC	3,7 g		A 26 X 32	DIN7603
	2130	000908014001	SCREW PLUG		1	PC	0,016 kg		M 14 X 1,5	DIN908
	2140	007603014106	WASHER A COP		1	PC	1,7 g		A 14 X 20	DIN7603

ATTACHMENTS

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
	2160	3909970682	INTAKE HOSE		1,300	M	0,505 kg		25 X 4000	
	2180	000000000667	CLAMP		1	PC	24,5 g		20- 32X12-SW7-W3	MBN10223
	2200	5239970030	PLUG SCREW		1	PC	0,152 kg			
	2210	700429018005	O-RING		1	PC	1,9 g		18 X 4	MMN429
	2220	007603030101	COPPER SEALING RING		1	PC	4,3 g		A 30 X 36	DIN7603
49	2260	5231800320	OIL PRESSURE LINE F/TURBOCHARGER, LEF	8V199	1	PC	231,6 g			
54	2280	X52318500001	OIL PRESSURE LINE F/TURBOCHARGER,RIGH		1	PC	237,2 g			
	2290	4421870180	GASKET		2	PC	0,6 g			
	2300	304017008083	HEX SCREW		4	PC	15,1 g		M 8 X 30	ISO4017
	2310	000125008427	WASHER		4	PC	1,5 g		A 8,4	DIN125
	2320	915013008002	SCREW NECK		2	PC	24 g		8 (M16X1,5/M14X1,5)	N15013
	2340	007603014102	SEAL RING		2	PC	1 g		A 14 X 18	DIN7603
	2360	5231800022	OIL RETURN LINE		2	PC	158,8 g			
	2370	4421870080	GASKET		2	PC	2,1 g			
	2380	304017008079	HEX SCREW		4	PC	11,7 g		M 8 X 20	ISO4017
	2390	000125008427	WASHER		4	PC	1,5 g		A 8,4	DIN125
	2410	5429900171	ANGLE CONNECTION		2	PC	0,215 kg			
	2420	28209901051/0	HEX NUT		2	PC	23 g			
	2440	5232031422	ELBOW	8V199TE20	1	PC	194,1 g			
	2450	700429030004	O-RING		1	PC	1,1 g		30 X 2,5	MMN429
	2460	000125008427	WASHER		2	PC	1,5 g		A 8,4	DIN125
	2470	304017008081	HEX SCREW		2	PC	13,4 g		M 8 X 25	ISO4017
	2480	700429028002	O-RING		4	PC	2,8 g		28 X 4	MMN429
	2490	735078025205	PLUG-IN PIPE		1	PC	134 g		D 25 X 160	MTN5078-2
50	2510	5232000618	ELBOW	8V199TE20	1	PC	769,3 g			
	2520	8370701240	RETAINER		1	PC	24 g			
	2530	5232030280	GASKET FOR COOLANT PUMP	8V199TE20	1	PC	7,1 g			
	2540	000125008427	WASHER		3	PC	1,5 g		A 8,4	DIN125
	2550	304017008087	HEX SCREW		1	PC	21,3 g		M 8 X 50	ISO4017
	2560	304017008081	HEX SCREW		2	PC	13,4 g		M 8 X 25	ISO4017
	2570	5592033240	RETAINER		1	PC	0,027 kg		16 X 5 X 60	
	2580	000125008427	WASHER		1	PC	1,5 g		A 8,4	DIN125
	2590	304017008083	HEX SCREW		1	PC	15,1 g		M 8 X 30	ISO4017
	2595	X52320300002	RETAINER		1	PC	1,142 kg			
	2600	5232031240	RETAINER		1	PC	461,2 g			
	2630	000125008427	WASHER		4	PC	1,5 g		A 8,4	DIN125
	2631	304017008081	HEX SCREW		2	PC	13,4 g		M 8 X 25	ISO4017
	2632	000000004396	HEX SCREW		2	PC	35,4 g		M 8 X 85	ISO4014
	2650	915013025000	UNION		2	PC	116,1 g		25	N15013
	2660	007603030101	COPPER SEALING RING		2	PC	4,3 g		A 30 X 36	DIN7603
	2680	5232031222	ELBOW FOR COOLANT	8V199TE20	1	PC	787,5 g			
	2690	304017008085	HEX SCREW		3	PC	18 g		M 8 X 40	ISO4017
	2700	8370701240	RETAINER		1	PC	24 g			
	2710	204014008009	HEX SCREW		1	PC	48,9 g		M 8 X120	ISO4014
	2720	000125008427	WASHER		4	PC	1,5 g		A 8,4	DIN125
	2730	700429034000	O-RING		4	PC	1,8 g		34 X 3	MMN429
	2750	735078025208	PLUG-IN PIPE		2	PC	455,8 g		D 25 X 380	MTN5078-2
	2760	700429028002	O-RING		8	PC	2,8 g		28 X 4	MMN429
55	2780	X52320300001	COOLANT LINE		1	PC	0,986 kg			
	2790	271511026000	GASKET		1	PC	2,5 g		26X 48X1,5	DIN71511
	2800	304017008081	HEX SCREW		2	PC	13,4 g		M 8 X 25	ISO4017
	2810	000125008427	WASHER		2	PC	1,5 g		A 8,4	DIN125

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
OIL PIPE

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5230100024

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915001020003	UNION NUT	2	PC	46,9 g	20 M 30 X 1,5	N15001
	20	915003020202	BALL-TYPE UNION	2	PC	12,8 g	B2 -22	MBN15003

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
GUIDE TUBE FOR OIL DIPSTICK

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5230100066

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	5230180070	UNION	8V199TE20	1	PC	116 g	10 / 102,3	
	20	915003008201	UNION BALL B2-10		1	PC	3,6 g	B2 -10	MBN15003
	25	915001008003	NUT		1	PC	0,014 kg	8 M 16 X 1,5	N15001

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230700032

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	718363204000	UNION	1	PC	11,1 g	6/M 12 X 1,5	MMN18363.2
	20	700222004000	BANJO UNION	1	PC	25 g	6	MMN222

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230700632

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	718363210003	UNION	2	PC	24,1 g	12/M 18 X 1,5	MMN18363.2

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230700732

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915003010201	UNION BALL B2-12	1	PC	4,6 g	B2 -12	MBN15003
	20	915001010004	NUT	1	PC	20 g	10 M 18 X 1,5	N15001
	25	915010010202	BANJO	1	PC	29,2 g	B 10 S	MBN15010

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230700932

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915003010201	UNION BALL B2-12	1	PC	4,6 g	B2 -12	MBN15003
	20	915001010004	NUT	1	PC	20 g	10 M 18 X 1,5	N15001
	25	915010010202	BANJO	1	PC	29,2 g	B 10 S	MBN15010

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230701032

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915003010201	UNION BALL B2-12	1	PC	4,6 g	B2 -12	MBN15003
	20	915001010004	NUT	1	PC	20 g	10 M 18 X 1,5	N15001
	25	915010010202	BANJO	1	PC	29,2 g	B 10 S	MBN15010

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230701132

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915010006202	UNION BANJO B 6 S S2 000/S4000	1	PC	13 g	B 6 S	MBN15010
	20	915003006202	UNION BALL B2-8	1	PC	0,003 kg	B2 - 8	MBN15003
	25	915001006003	NUT	1	PC	12,5 g	6 M 14 X 1,5	N15001

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230701432

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915003010201	UNION BALL B2-12	2	PC	4,6 g	B2 -12	MBN15003
	20	915001010004	NUT	2	PC	20 g	10 M 18 X 1,5	N15001

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230701532

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	718363210003	UNION	1	PC	24,1 g	12/M 18 X 1,5	MMN18363.2
	20	915003010201	UNION BALL B2-12	1	PC	4,6 g	B2 -12	MBN15003
	25	915001010004	NUT	1	PC	20 g	10 M 18 X 1,5	N15001

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230701632

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	700222008000	BANJO UNION	2	PC	41,5 g	10	MMN222
	20	718363110002	UNION	1	PC	25 g	12/M 18 X 1,5	MMN18363.1

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230701732

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	700222008000	BANJO UNION	2	PC	41,5 g	10	MMN222
	20	718363108002	UNION	1	PC	22 g	10/M 16 X 1,5	MMN18363.1

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230701832

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	700383008000	BOSS	1	PC	9,9 g	A M 8 X 1 X 5	MMN383
	20	915003008201	UNION BALL B2-10	2	PC	3,6 g	B2 -10	MBN15003
	25	915001008003	NUT	2	PC	0,014 kg	8 M 16 X 1,5	N15001

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230701932

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	718363210003	UNION	1	PC	24,1 g	12/M 18 X 1,5	MMN18363.2
	20	700383008000	BOSS	2	PC	9,9 g	A M 8 X 1 X 5	MMN383
	25	915003010201	UNION BALL B2-12	1	PC	4,6 g	B2 -12	MBN15003
	30	915001010004	NUT	1	PC	20 g	10 M 18 X 1,5	N15001

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230702032

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915010003202	BANJO	2	PC	5,6 g	B 3 S	MBN15010

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230702132

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915010003202	BANJO	2	PC	5,6 g	B 3 S	MBN15010

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230702232

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915010003202	BANJO	2	PC	5,6 g	B 3 S	MBN15010

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230702432

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915010003202	BANJO	1	PC	5,6 g	B 3 S	MBN15010
	20	915004004203	SEALING CONE	1	PC	3 g	B2 - 6/5	MBN15004
	25	915001004005	NUT 4 M12X1.5 BL.GEO ELT	1	PC	16,3 g	4 M 12 X 1,5	N15001

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
FUEL PIPELINE

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5230702532

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915010003202	BANJO	2	PC	5,6 g	B 3 S	MBN15010

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL PIPELINE

FG/FGS:

BOM-No.: 5230702632

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915010003202	BANJO	1	PC	5,6 g	B 3 S	MBN15010
	20	915003003201	BALL-TYPE UNION	1	PC	1,9 g	B2 - 5	MBN15003
	25	915001002003	NUT	1	PC	8,6 g	2/3M 10 X 1	N15001

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230702932

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	718363210003	UNION	2	PC	24,1 g	12/M 18 X 1,5	MMN18363.2

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230703732

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	718363110000	UNION	1	PC	25 g	12/M 14 X 1,5	MMN18363.1
	20	915001010004	NUT	2	PC	20 g	10 M 18 X 1,5	N15001
	25	915003010201	UNION BALL B2-12	2	PC	4,6 g	B2 -12	MBN15003

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL LINE

FG/FGS:

BOM-No.: 5230703832

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915010003202	BANJO	1	PC	5,6 g	B 3 S	MBN15010
	20	915004004203	SEALING CONE	1	PC	3 g	B2 - 6/5	MBN15004
	25	915001004005	NUT 4 M12X1.5 BL.GEO ELT	1	PC	16,3 g	4 M 12 X 1,5	N15001

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

OIL PRESSURE LINE F/TURBOCHARGER, LEF

FG/FGS:

BOM-No.: 5231800320

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	3521870445	FLANGE		1	PC	111,1 g		
	20	5311870276	RESTRICTOR	8V2000M	1	PC	4,1 g	21 MM GESAMTLÄNGE	
	25	915003008201	UNION BALL B2-10		1	PC	3,6 g	B2 -10	MBN15003
	30	915001008003	NUT		1	PC	0,014 kg	8 M 16 X 1,5	N15001

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
ELBOW

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5232000618

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	5	5232030722	ELBOW	1	PC	988 g		
	15	915006006000	UNION	1	PC	22,9 g	6	N15006

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

RETAINER

FG/FGS:

BOM-No.: 5234700081

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT
	5	5234710041	RETAINER	8V199TE20	1	PC	0,299 kg

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

BANJO SCREW

FG/FGS:

BOM-No.: 5239900063

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	5	915011010101	BOLT BANJO A 10	1	PC	36,2 g	A 10	N15011

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
LIFTING EYE

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X52301500002

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
	20	5422230341	LIFTING EYE	1	PC	1,442 kg

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

OIL PRESSURE LINE F/TURBOCHARGER,RIGH

FG/FGS:

BOM-No.: X52318500001

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	30	3521870445	FLANGE		1	PC	111,1 g		
	40	5311870276	RESTRICTOR	8V2000M	1	PC	4,1 g	21 MM GESAMTLÄNGE	
	50	915003008201	UNION BALL B2-10		1	PC	3,6 g	B2 -10	MBN15003
	60	915001008003	NUT		1	PC	0,014 kg	8 M 16 X 1,5	N15001

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
COOLANT LINE

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X52320300001

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	30	915003025202	UNION BALL B2-28	1	PC	27,6 g	B2 -28	MBN15003
	40	915001025004	NUT	1	PC	88 g	25 M 38 X 1,5	N15001
	50	071501028200	FLANGE	1	PC	68,9 g	B 28 X 48	DIN71501

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL PUMP

FG/FGS: 081

10

BOM-No.:

060.970/01

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
57	5	0030919601	FUEL PUMP	8V199TB20	1	PC	2,1 kg	EM		
	10	5230910045	FLANGE FUEL DELIVERY PUMP	BR199	1	PC	216,9 g			
	15	700429046000	O-RING		1	PC	2,6 g		46 X 3	MMN429
	20	700429050004	O-RING		1	PC	2,7 g		50 X 3	MMN429
	30	0249975447	SHAFT SEAL FOR FUEL PUMP		1	PC	9,4 g		28 X 40 X 7	
	35	000939008095	STUD		4	PC	9 g		M 8 X 18	DIN939
	45	304017010047	HEX SCREW		2	PC	27,2 g		M 10 X 35	ISO4017
	50	000125010524	WASHER		2	PC	3,1 g		A 10,5	DIN125
	60	0001321410	DRIVER F/STEER ASSIST PUMP		1	PC	60,3 g			
	65	000125008427	WASHER		4	PC	1,5 g		A 8,4	DIN125
	70	304032008014	NUT HEX 8 A3C		4	PC	4,8 g		M 8	ISO4032

FUEL PUMP

FG/FGS:

BOM-No.:

0030919601

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	FN
	10		HOUSING	1	PC	KE
	15	Z=2130150	SCREW	2	PC	AC
	20	Z=2410172	PLACARD	1	PC	AC
	25	Z=2250020	KEY	1	PC	AC
	30	Z=2240013	SNAP RING	2	PC	AC
	35	8699970386	SEALING RING	1	PC	
	40	Z=2351194	SHAFT	1	PC	AC
	45	Z=2220036	GEAR	1	PC	AC
	50	8690910000	GASKET	1	PC	
	55	Z=2260027	GASKET	1	PC	AC
	60	Z=2030003	NEEDLE BEARING	4	PC	AC
	65	Z=2000117	SHAFT	1	PC	AC
	70		HOUSING	1	PC	KE
	75	Z=2130070	SCREW	8	PC	AC
	80	Z=2230032	PIN	2	PC	AC
	85	Z=2420028	PLUG	1	PC	AC
	90	Z=2420032	PLUG	1	PC	AC
	95	Z=2150119	WASHER	1	PC	AC
	100	Z=2420276	CAP	1	PC	AC
	105	Z=2150050	WASHER	1	PC	AC
	110	Z=2110111	SPRING	1	PC	AC
	115	Z=2230133	PIN	1	PC	AC
	120	Z=2160247	PISTON	1	PC	AC EM

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL PIPEWORK FROM PUMP TO FILTER

FG/FGS: 082

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

15

FUEL COOLER

060.961/01

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL COOLER

FG/FGS: 082

15

BOM-No.:

060.961/01

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
60	5	0000701379	FUEL COOLER	8V199TE20	1	PC	5,5 kg		
	15	304014008029	HEX SCREW		4	PC	31 g	M 8 X 70	ISO4014
	20	000125008427	WASHER		4	PC	1,5 g	A 8,4	DIN125
	25	700429034000	O-RING		1	PC	1,8 g	34 X 3	MMN429
	35	000908018002	PLUG		1	PC	0,029 kg	M 18 X 1,5	DIN908
	40	007603018101	COPPER SEALING RING		1	PC	1,3 g	A 18 X 22	DIN7603

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

FUEL COOLER

FG/FGS:

BOM-No.: 0000701379

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
	5	8699970327	THREADED BUSHING	1	PC	0,1 kg		ID M18 X 1,5 AD M22 X 1,5	
	10	8699970368	THREADED BUSHING	2	PC			M20 X 1,5 , M16 X 1,5	
	15	8699970362	THREAD INSERT	2	PC			M12X1,5 / M16X1,5	
	20	8699970372	THREADED BUSHING	1	PC				
	25	8699970373	THREADED BUSHING	1	PC				
	35	007603012106	WASHER A COP	1	PC	1,52 g		A 12 X 18	DIN7603
	40	000910012002	PLUG	1	PC	0,02 kg		M 12 X 1,5	DIN910
	45	007603010107	WASHER A COP	1	PC	0,8 g		A 10 X 16	DIN7603
	50	000910010003	PLUG	1	PC	0,011 kg		M 10 X 1	DIN910
	55	Z=00.67937	PLATE	1	PC		AC		
	60	Z=714 220	GROOVED PIN	4	PC	1 g		3 X 4	DIN1476

GROUP SEGMENT (FGS)

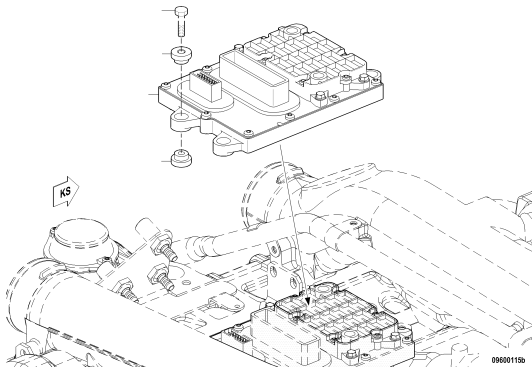
GROUP NAME

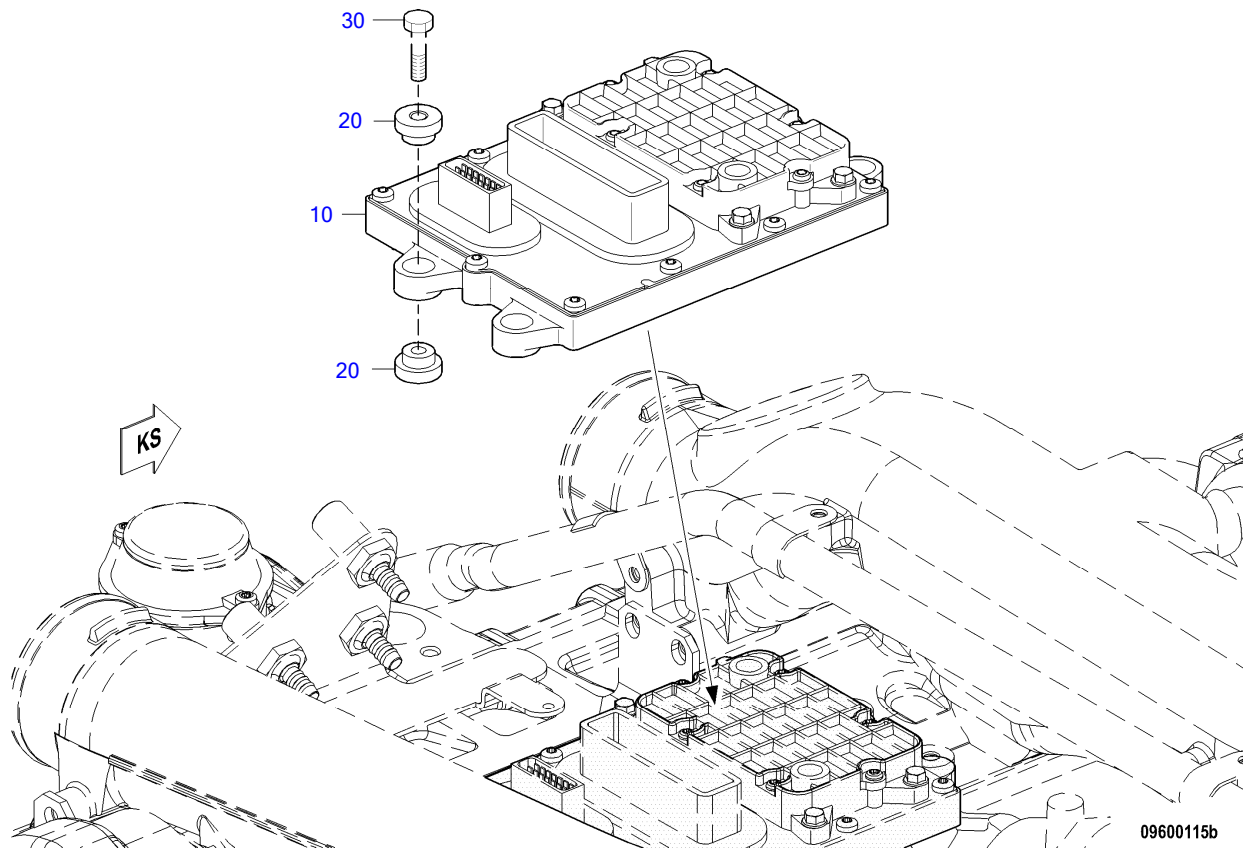
BOM-No.

05

ENGINE TIMING

505.195/03





EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

EXHAUST TURBOCHARGER, GENERAL OR HP
TURBOCHARGER

FG/FGS: 101

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

01

EXHAUST TURBOCHARGER

XS523100.00003

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
EXHAUST TURBOCHARGER

SERIAL NUMBER: 522.952-00-565564

FG/FGS: 101 01

BOM-No.: XS523100.00003

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
65	20	0080962099	EXHAUST TURBOCHARGER	K29-3767 OODKB/26.22	2	PC	16,75 kg	EM		
	40	204017010012	HEX SCREW		8	PC	24,1 g		M 10 X 25	ISO4017
	50	X52310100002	TAB WASHER		4	PC	8 g			
66	90	X52314100002	EXHAUST ELBOW LEFT, W/INSULATION		1	PC	15,2 kg	EM		
67	100	X52314100003	EXHAUST ELBOW RIGHT, W/INSULATION		1	PC	14,075 kg	EM		
	105	X52314100001	PIPE LINK		4	PC	19,1 g			
	110	4479906304	HEX SCREW	GEN SET	16	PC	74,7 g		M10 X 106	
	120	5239920120	SLEEVE		16	PC	0,042 kg			
	125	X52314100019	TAB WASHER		8	PC	26,2 g			
	130	5411420180	GASKET	METALLISCHE DICHTUNG, KEIN MHD	8	PC	19,2 g			
68	150	X52314100004	SUPPORT LEFT, W/INSULATION		1	PC	11,87 kg			
70	160	X52314100005	SUPPORT RIGHT, W/INSULATION		1	PC	13,28 kg			
	170	8379902340	WASHER		8	PC	3,9 g		10,5	
	180	000000001684	HEX NUT		8	PC	10,1 g		M 10	ISO4032
	190	200939010006	STUD		8	PC	21,7 g		M 10 X 30	DIN939

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
EXHAUST TURBOCHARGER

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 0080962099

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT
	10	8695860585	REPAIR KIT	12V2000M60	1	PC	235,8 g		ET-SATZ GROSS
	15	8690960228	TURBINE ROTOR		1	PC	0,52 kg		TURBINENLÄUFER
	20	8690960249	SHAFT		1	PC			
	25	8690210082	COMPRESSOR HOUSING		1	PC		EM	
	30	8690960253	HOUSING		1	PC			
	35	8695860586	REPAIR KIT	12V2000M60	1	PC	32 g		MINI ET-SATZ LAUFZEUG

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
EXHAUST ELBOW LEFT, W/INSULATION

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X52314100002

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN
	10	X52314100008	EXHAUST ELBOW LEFT	1	PC	13,446 kg	EM

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
EXHAUST ELBOW RIGHT, W/INSULATION

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X52314100003

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN
	10	X52314100009	EXHAUST ELBOW RIGHT	1	PC	12,549 kg	EM

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
SUPPORT LEFT, W/INSULATION

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X52314100004

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
69	10	X52314100010	SUPPORT LEFT	1	PC	10,145 kg

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

SUPPORT LEFT

FG/FGS:

BOM-No.: X52314100010

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
	10	X52314100011	SUPPORT	1	PC	9,89 kg
	20	5239970130	PLUG	2	PC	0,127 g

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
SUPPORT RIGHT, W/INSULATION

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X52314100005

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
71	10	X52314100012	TC CARRIER RIGHT	1	PC	11,442 kg

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
TC CARRIER RIGHT

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X52314100012

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
	10	X52314100013	TC CARRIER RIGHT	1	PC	11,187 kg
	20	5239970130	PLUG	2	PC	0,127 g

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

CHARGE-AIR COOLING / GAS MIXTURE COOLING

FG/FGS: 110

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

00

INTERCOOLER

XS523110.00003

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
INTERCOOLER

SERIAL NUMBER: 522.952-00-565564

FG/FGS: 110 00

BOM-No.: XS523110.00003

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
	30	8331501773	BRACKET W/M8 NUT H:1 3		4	PC	19,8 g	SB		
	40	304014010013	HEX SCREW		8	PC	80,7 g		M 10 X120	ISO4014
	50	000125010524	WASHER		8	PC	3,1 g		A 10,5	DIN125
	60	304014008023	HEX SCREW		2	PC	63,8 g		M 8 X160	ISO4014
	70	000125008427	WASHER		2	PC	1,5 g		A 8,4	DIN125
74	80	5230900038	CHARGE-AIR MANIFOLD	8V199TB20	1	PC	15 kg	EM		
	100	5410980480	SEAL	BR199	8	PC	59 g			
	120	700429016001	O-RING		8	PC	0,3 g		16 X 2	MMN429
	130	700429460002	O-RING		1	PC	88,6 g		460 X 6	MMN429
	150	000931010137	HEX SCREW		4	PC	59,3 g		M 10 X 85	DIN931
	160	000125010524	WASHER		4	PC	3,1 g		A 10,5	DIN125
	180	5239970115	THREADED BUSHING		1	PC	0,011 kg		M10 /M14X1,5	
	200	0041537028	TRANSMITTER F/PRESSURE AND TEMP	LDF6T	1	PC	37,4 g			
	210	000125006431	WASHER		2	PC	0,8 g		A 6,4	DIN125
	220	000000001444	HEX SCREW		2	PC	6 g		M 6 X 20	ISO4017

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
CHARGE-AIR MANIFOLD

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5230900038

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN
	5	5230980038	CHARGE-AIR MANIFOLD	8V199TB20	1	PC	14,813 kg	EM

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

AIR SYSTEM / AIR DUCTING

FG/FGS: 120

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

00

CHARGE-AIR DUCTING

XS523120.00002

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

CHARGE-AIR DUCTING

FG/FGS: 120 00

BOM-No.: XS523120.00002

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
77	20	5230900237	CHARGE-AIR PIPE LEFT	1	PC	3,02 kg		
78	30	5230900337	CHARGE-AIR PIPE RIGHT	1	PC	3,01 kg		
	40	700429090005	O-RING	2	PC	6,2 g	90 X 3,5	MMN429
	50	304017008085	HEX SCREW	8	PC	18 g	M 8 X 40	ISO4017
	60	000125008427	WASHER	8	PC	1,5 g	A 8,4	DIN125
	70	X52312500001	PLUG-IN PIPE	2	PC	506,6 g		
	80	700429070000	O-RING	2	PC	0,01 kg	70 X 5	MMN429
	90	700429060000	O-RING	2	PC	8,7 g	60 X 5	MMN429
	110	5230980029	SUPPORT	1	PC	746,2 g		
	120	000125008427	WASHER	2	PC	1,5 g	A 8,4	DIN125
	130	204017008009	HEX SCREW	2	PC	10,9 g	M 8 X 18	ISO4017
	140	000125010524	WASHER	2	PC	3,1 g	A 10,5	DIN125
	150	000933010180	HEX SCREW	2	PC	25,4 g	M 10 X 28	DIN933
	170	5230980139	RETAINER	1	PC	518 g		
	180	000125008427	WASHER	4	PC	1,5 g	A 8,4	DIN125
	190	204017008011	HEX SCREW	4	PC	12,2 g	M 8 X 22	ISO4017
	210	X52312500002	LOCKING RING	1	PC	241,7 g		
	220	X52312500003	LOCKING RING	1	PC	232,6 g		

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
CHARGE-AIR PIPE LEFT

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5230900237

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
	5	5230980007	CHARGE-AIR PIPE LEFT	1	PC	3,02 kg

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
CHARGE-AIR PIPE RIGHT

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5230900337

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
	5	5230980107	CHARGE-AIR PIPE RIGHT	1	PC	3,09 kg

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
ELECTRIC STARTING

SERIAL NUMBER: 522.952-00-565564
FG/FGS: 172

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

05

STARTER

XS523170.00003

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

STARTER

FG/FGS: 172 05

BOM-No.: XS523170.00003

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
81	10	X52317200001	STARTER	HEF109-MP	1	PC	14,2 kg		
	30	000934012023	NUT HEX 10		3	PC	15,2 g	M 12 X 1,5	DIN934
	40	000125013012	WASHER		3	PC	5,6 g	A 13	DIN125

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
STARTER

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X52317200001

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
	10	XP52417200024	HOUSING		1	PC				
	20	XP52312700001	HEX NUT		3	PC				
	30	XP52312700002	PLANETARY GEARING		1	PC				
	40	XP52312700003	PINION		1	PC				
	50	XP52312700004	IMPACT RING		1	PC				
	60	XP52312700005	DRIVE-END BEARING		1	PC				
	70	XP52312700006	FORK LEVER		1	PC				
	80	XP52312700007	ENGAGEMENT RELAY		1	PC				
	90	XP52417200031	COUNTERSUNK HD SCREW		3	PC	0,025 kg			
	100	XP52417200032	ARMATURE		1	PC				
	110		SPRING WASHER		2	PC		KE		
	120	XP52417200034	COMMUTATOR BEARING		1	PC	8 kg			
	130	XP52312700008	BRUSH HOLDER		1	PC				
	140	XP52417200036	SCREW		3	PC				
	150	XP52312700009	FILLISTER SCREW		2	PC				
	160	XP52312700010	SPRING WASHER		1	PC				
	170	XP52312700011	HEX NUT		1	PC				
	180	XP52312700012	SPRING WASHER		2	PC			B10	DIN137
	190	XP52312700013	HEX NUT		2	PC				
	200	000125010524	WASHER		1	PC	3,1 g		A 10,5	DIN125
	210	XP52312700014	INSULATING WASHER		1	PC				
	220	XP52312700015	SEAL RING		1	PC				
	230	XP52312700016	INSULATING BUSHING		1	PC				
	240	XP52312700017	INSULATING WASHER		1	PC				
	250	XP52417200043	ELECTRIC CABLE	M ANSCHLUSS, 135MM	1	PC	0,004 kg			
	260	XP52312700018	PARTS KIT O-RING		1	PC				
	270	XP52312700019	PARTS KIT DRIVER DISC		1	PC				
	280	XP52399100076	ADAPTER		1	PC			VON M10 AUF M12	

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
COLD STARTING SYSTEM

SERIAL NUMBER: 522.952-00-565564
FG/FGS: 175

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

00

FLAME-TORCH START SY

060.971/01

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
FLAME-TORCH START SY

SERIAL NUMBER: 522.952-00-565564

FG/FGS: 175 00

BOM-No.: 060.971/01

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
85	50	5230780241	RETAINER F FLAME TORCK START	1	PC	115,4 g		
84	55	3760700087	NOZZLE F FLAME TORCK START	1	PC	14,8 g	7 CM3/MIN	
	60	0000784549	VALVE	1	PC	211,1 g		
	65	5230780047	ADAPTER	1	PC	68,2 g		
	70	4420780280	GASKET	2	PC	0,9 g		
	75	000125006431	WASHER	2	PC	0,8 g	A 6,4	DIN125
	80	204017006009	HEX SCREW	1	PC	10,9 g	M 6 X 50	ISO4017
	85	5239900005	THREADED PIN	1	PC	18,1 g		
	90	4420700186	COMBUSTION CHAMBER	1	PC	78,7 g		
	100	000939008083	STUD	3	PC	10 g	M 8 X 20	DIN939
	105	4420780180	GASKET F FLAME TORCK START	2	PC	3,5 g		
	110	5231590082	INSULATING WASHER F FLAME TORCK START	3	PC	1 g		
	115	000125008427	WASHER	3	PC	1,5 g	A 8,4	DIN125
	120	304032008014	NUT HEX 8 A3C	3	PC	4,8 g	M 8	ISO4032
	125	0011590701	SHEATHED GLOW PLUG	1	PC	53 g		
85	135	5230780241	RETAINER F FLAME TORCK START	1	PC	115,4 g		
84	140	3760700087	NOZZLE F FLAME TORCK START	1	PC	14,8 g	7 CM3/MIN	
	145	4440780147	ADAPTER	1	PC	73,1 g		
	150	4420780280	GASKET	1	PC	0,9 g		
	155	000125006431	WASHER	2	PC	0,8 g	A 6,4	DIN125
	160	304017006066	HEX SCREW	1	PC	8,4 g	M 6 X 35	ISO4017
	165	5239900105	THREADED PIN	1	PC	14,8 g		
	170	4420700186	COMBUSTION CHAMBER	1	PC	78,7 g		
	180	000939008083	STUD	3	PC	10 g	M 8 X 20	DIN939
	185	4420780180	GASKET F FLAME TORCK START	2	PC	3,5 g		
	190	5231590082	INSULATING WASHER F FLAME TORCK START	3	PC	1 g		
	195	000125008427	WASHER	3	PC	1,5 g	A 8,4	DIN125
	200	304032008014	NUT HEX 8 A3C	3	PC	4,8 g	M 8	ISO4032
	205	0011590701	SHEATHED GLOW PLUG	1	PC	53 g		
	210	0115427417	TEMP. SENSOR	1	PC	35,4 g		
	215	007603008109	WASHER A COP	1	PC	0,3 g	A 8 X 11,5	DIN7603

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
NOZZLE F FLAME TORCK START

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 3760700087

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT
	5	3760780023	NOZZLE F FLAME TORCK START	1	PC	0,016 kg	Ø 0,10
	10	3760780156	FILTER	1	PC	0,003 kg	0,006

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
RETAINER F FLAME TORCK START

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5230780241

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
	5	4420784341	RETAINER F FLAME TORCK START	1	PC	125 g

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
LUBE OIL PUMP WITH DRIVE

SERIAL NUMBER: 522.952-00-565564
FG/FGS: 181

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

05

OIL PUMP

X00042942

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

OIL PUMP

FG/FGS: 181

05

BOM-No.:

X00042942

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
98	40	5231801701	OIL PUMP	8V199	1	PC	5,2 kg	11 M3/H	
	50	304017008091	HEX SCREW		3	PC	22,5 g	M 8 X 55	ISO4017
88	60	5231800015	OIL PRESS RELIEF VLV		1	PC	234,1 g	7,5 BAR	
94	80	5231801401	OIL PUMP	8V199	1	PC	6,649 kg	11 M3/H	
	90	5231810005	DRIVE SHAFT		1	PC	136,9 g		
90	100	5231800201	OIL PUMP	8V199	1	PC	5,8 kg	11 M3/H	
	110	5301810033	SLEEVE		1	PC	66,5 g		
	120	007993016200	SNAP RING		2	PC	0,4 g	B 16	DIN7993
	130	000960012150	HEX SCREW		4	PC	78,5 g	M 12 X 1,5 X 75	DIN960
	140	000960012054	HEX SCREW		1	PC	54,7 g	M 12 X 1,5 X 50	DIN960
	160	5231870024	ELBOW	8V199TE20	1	PC	147,5 g		
	170	271511038000	GASKET		1	PC	1 g	38X 58X0,5	DIN71511
	180	304017008030	HEX SCREW		2	PC	21,1 g	M 8 X 50	ISO4017
	190	000125008427	WASHER		2	PC	1,5 g	A 8,4	DIN125
	210	5231800951	OIL SUCTION PIPE	8V199TE20	1	PC	787 g		
	220	700429038001	O-RING		1	PC	3,6 g	38 X 4	MMN429
	230	304017008079	HEX SCREW		1	PC	11,7 g	M 8 X 20	ISO4017
92	250	5231800251	OIL SUCTION PIPE	8V199TE20	1	PC	695,8 g		
93	260	5231800351	OIL SUCTION PIPE	8V199TE20	1	PC	0,626 kg		
89	270	5231800020	OIL PIPE	8V199TE20	2	PC	172 g		
	280	271511038000	GASKET		4	PC	1 g	38X 58X0,5	DIN71511
	290	304017008080	HEX SCREW		8	PC	13,3 g	M 8 X 25	ISO4017
	300	000125008427	WASHER		8	PC	1,5 g	A 8,4	DIN125

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
OIL PRESS RELIEF VLV

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5231800015

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT
	5	5361840029	VALVE HOUSING	BR2000	1	PC	195 g
	10	4031811142	PISTON		1	PC	35,8 g
	15	4031810060	RING		1	PC	8,2 g
	20	5231840020	PRESSURE SPRING		1	PC	33,7 g

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
OIL PIPE

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5231800020

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	5	071501035200	FLANGE	1	PC	108,4 g	B 35 X 58	DIN71501

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
OIL PUMP

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5231800201

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	5	5231810301	OIL PUMP HOUSING		1	PC	4,1 kg		
91	15	5301800004	OIL PUMP GEAR	8V199TE20	1	PC	626,9 g		
	25	5411800104	OIL PUMP GEAR	8V199TE20	1	PC	574,4 g		
	35	5411810220	COVER FOR OIL PUMP		1	PC	437,2 g		
	40	304017008055	HEX SCREW		4	PC	19,5 g	M 8 X 45	ISO4017

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
OIL PUMP GEAR

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5301800004

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT
	5	5301810107	SHAFT	8V199TE20	1	PC	232,1 g	22 X 95,5
	10	5411810006	OIL PUMP GEAR		1	PC	379,9 g	

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
OIL SUCTION PIPE

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5231800251

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	5	071501038200	FLANGE	1	PC	10 g	B 38 X 58	DIN71501

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
OIL SUCTION PIPE

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5231800351

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	5	071501038200	FLANGE	1	PC	10 g	B 38 X 58	DIN71501

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
OIL PUMP

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5231801401

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
95	5	5231800501	OIL PUMP HOUSING		1	PC	4,162 kg		
96	10	5231800104	OIL PUMP GEAR	8V199TE20	1	PC	681,7 g		
	15	5411800104	OIL PUMP GEAR	8V199TE20	1	PC	574,4 g		
	20	4231810213	IDLER GEAR		1	PC	234,1 g	65X25	
	25	5411810220	COVER FOR OIL PUMP		1	PC	437,2 g		
	30	304017008055	HEX SCREW		4	PC	19,5 g	M 8 X 45	ISO4017
97	35	5231800206	IDLER GEAR		1	PC	497,6 g		
	40	000988016012	ADJUSTING WASHER		1	PC	1,8 g	16 X 22 X 1,5	DIN988
	45	000471016000	SNAP RING		1	PC	0,8 g	16 X 1	DIN471

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
OIL PUMP HOUSING

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5231800501

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
	5	5231810201	OIL PUMP HOUSING	1	PC	
	10	5231810050	BUSHING	2	PC	14,8 g

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
OIL PUMP GEAR

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5231800104

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT
	5	5231810207	SHAFT	8V199TE20	1	PC	301 g	22 X129,5
	10	5411810006	OIL PUMP GEAR		1	PC	379,9 g	

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
IDLER GEAR

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5231800206

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
	5	4231810113	IDLER GEAR	1	PC	314,8 g
	10	5231810407	SHAFT	1	PC	182,6 g

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
OIL PUMP

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5231801701

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
99	10	5421800802	OIL PUMP HOUSING		1	PC	2,6 kg		
100	20	5421800004	OIL PUMP GEAR	8V2000	1	PC	688,9 g		
101	30	5231800004	OIL PUMP GEAR	8V199TE20	1	PC	705 g		
	40	5411810012	DRIVE GEAR	8V2000	1	PC	850 g		
102	50	5421800242	COVER FOR OIL PUMP		1	PC	433,1 g		
	60	304017008055	HEX SCREW		4	PC	19,5 g	M 8 X 45	ISO4017

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
OIL PUMP HOUSING

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5421800802

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT
	10	5421810701	OIL PUMP HOUSING		1	PC	2,5 kg
	20	5421810250	BEARING BUSHING	BR199	2	PC	0,01 kg
	30	6019920425	SLOTTED SPRING PIN		2	PC	0,003 kg

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
OIL PUMP GEAR

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5421800004

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT
	5	5421810010	SHAFT		1	PC	
	10	5421810106	GEAR-OIL PUMP	8V199TE20	1	PC	431,6 g

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
OIL PUMP GEAR

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5231800004

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT
	5	5231810107	SHAFT	8V199TE20	1	PC	250 g
	10	5421810106	GEAR-OIL PUMP	8V199TE20	1	PC	431,6 g

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
COVER FOR OIL PUMP

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5421800242

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT
	10	5411810520	COVER FOR OIL PUMP		1	PC	0,424 kg
	20	5421810250	BEARING BUSHING	BR199	2	PC	0,01 kg

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

05**ENGINE-OIL COOLER**

X00042864

15

OIL COOLER

060.966/01

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

ENGINE-OIL COOLER

FG/FGS: 183

05

BOM-No.: X00042864

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
105	10	5231800165	OIL COOLER	1	PC	10,39 kg		
	30	5411840980	GASKET	1	PC	70 g		
	40	910105010015	HEX SCREW	8	PC	0,074 kg	C M10X110	MBN10105
	50	910105010002	HEX SCREW	7	PC	0,043 kg	M10X 50	MBN10105
	60	910105010007	HEX SCREW	1	PC	0,034 kg	M10X 35	MBN10105

EQUI TYPE: Engine

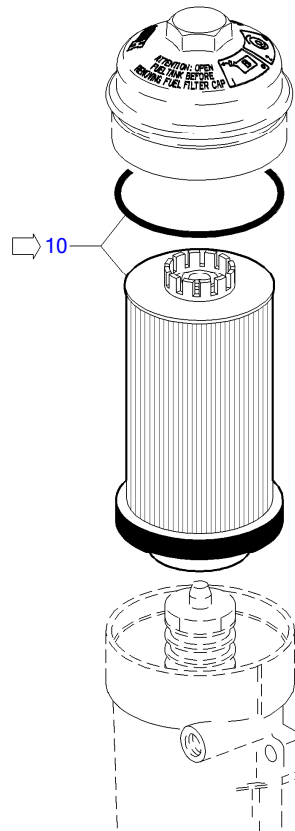
PRODUCT TYPE: 8V199TE20
OIL COOLER

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

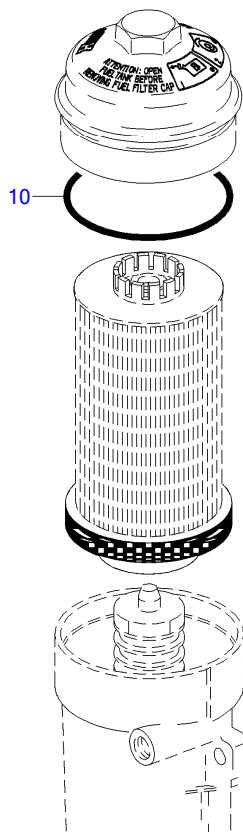
BOM-No.: 5231800165

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
106	10	5410900852	FUEL FILTER	1	PC	1,26 kg	EM		
	20	5411840208	COVER FOR OIL FILTER	1	PC	242 g			
108	30	5411800209	OIL FILTER ELEMENT	1	PC	440 g			
	40	0041534328	TEMP TRANSMITTER	2	PC	45 g	EM		
	50	000000001069	SEALING RING	2	PC	1,7 g		A 14 X 20	DIN7603
	60	0041534928	OIL LEVEL SENSOR	1	PC	60 g			
	70	000000001070	SEALING RING	1	PC	1,9 g		A 16 X 22	DIN7603



41200052a

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
107	10	5410900151	FUEL FILTER INSERT	1	PC	244,8 g



41200053a

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT
	10	0229978948	O-RING	1	PC	7,8 g	100 X 4

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
OIL FILTER ELEMENT

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5411800209

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT
	10	5411840225	OIL FILTER ELEMENT	1	PC	0,335 kg	
	20	0149978745	O-RING	1	PC	7,4 g	128 X 4,2

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
110	10	0001804165	OIL HEAT EXCHANGER	8V199TB20	1	PC	15 kg	EM		
	15	5231880239	FLANGE F/OIL HEAT EXCHANGE	8V199TB20	1	PC	436,5 g			
	25	700429032003	O-RING		1	PC	3 g		32 X 4	MMN429
	30	000000001463	HEX SCREW		4	PC	30,5 g		M 8 X 80	ISO4017
	35	000125008427	WASHER		4	PC	1,5 g		A 8,4	DIN125
	70	000960014100	HEX SCREW		2	PC	149,8 g		M 14 X 1,5 X 110	DIN960
	80	8370701240	RETAINER		1	PC	24 g			
	85	000125015016	WASHER		2	PC	7,9 g		A 15	DIN125
	90	000125008427	WASHER		1	PC	1,5 g		A 8,4	DIN125
	100	5239970015	THREADED BUSHING		1	PC	0,014 kg		M 8 /M14X1,5	
	105	5231870387	CONNECTING PIECE		1	PC	295,9 g			
	110	700429032000	O-RING		1	PC	1,7 g		32 X 3	MMN429
	115	700429032000	O-RING		2	PC	1,7 g		32 X 3	MMN429
	120	5231870487	CONNECTING PIECE		1	PC	126 g			
	125	700429030004	O-RING		1	PC	1,1 g		30 X 2,5	MMN429
	130	700429028002	O-RING		2	PC	2,8 g		28 X 4	MMN429
	140	8700980140	FLANGE		1	PC	52,9 g			
	145	700429030003	O-RING		1	PC	1,7 g		30 X 3	MMN429
	150	000125008427	WASHER		2	PC	1,5 g		A 8,4	DIN125
	155	304017008081	HEX SCREW		2	PC	13,4 g		M 8 X 25	ISO4017

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
OIL HEAT EXCHANGER

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 0001804165

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
	15	8699970367	THREADED BUSHING W/COLLAR	1	PC			M18 X 1,5 X 14 X 1.5 12LG	
	20	007603014104	SEALING RING	1	PC	0,6 g		A 14 X 20	DIN7603
	25	007604014102	PLUG	1	PC	0,024 kg		A M 14 X 1,5	DIN7604
	30	Z=00.67937	PLATE	1	PC		AC		
	35	Z=714 220	GROOVED PIN	1	PC	1 g		3 X 4	DIN1476

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
COOLANT SYSTEM

SERIAL NUMBER: 522.952-00-565564
FG/FGS: 200

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

00

WATER PUMP

060.967/01

00

COOLING SYSTEM

XS523200.00001

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
WATER PUMP

SERIAL NUMBER: 522.952-00-565564

FG/FGS: 200 00

BOM-No.: 060.967/01

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
	15	5230350012	BELT PULLEY		1	PC	5,1 kg			
	20	304017008084	HEX SCREW		6	PC	16,4 g	M 8 X 35		ISO4017
	25	0119977892	RIBBED BELT		1	PC	73 g			
	35	5232000140	RETAINER	6V 2000	1	PC	148,7 g			
	40	000931008137	HEX SCREW		2	PC	43,9 g	M 8 X105		DIN931
116	50	5232000540	RETAINER		1	PC	414,8 g			
	55	304017008079	HEX SCREW		2	PC	11,7 g	M 8 X 20		ISO4017
113	65	5231500024	LEVER FOR BELT TENSIONER		1	PC	290 g			
	75	40477	PASTE OPTIMOLY	CASTROL MOLUB-ALLOY WHITE T	1	KG	1,14 kg		1 TIN = 1 KG	
	80	5232020153	SPACER SLEEVE FOR BELT TENSIONER	BR 199	1	PC	62,3 g			
	85	5239900140	WASHER	BR 199	1	PC	23,4 g			
	90	000125008427	WASHER		1	PC	1,5 g	A 8,4		DIN125
	95	304017008086	HEX SCREW		1	PC	19,4 g	M 8 X 45		ISO4017
	100	700429026000	O-RING		2	PC	0,1 g	26 X 1		MMN429
	110	0001550030	BELT TENSION ROLLER		1	PC	155 g			
	115	007349008002	WASHER		1	PC	7,9 g	8,4		DIN7349
	120	304017008079	HEX SCREW		1	PC	11,7 g	M 8 X 20		ISO4017
	130	0002000114	SHOCK ABSORBER		1	PC	525,4 g			
	145	912007010001	CLIP		2	PC	2,7 g	10		N12007
	155	4030310332	OIL THROWER ON CRANKSHAFT		1	PC	92,4 g			
	160	5230350045	FLANGE		1	PC	1,2 kg			
	165	4420302303	VIBRATION DAMPER		1	PC	16,3 kg			
	170	700384016025	SCREW		8	PC	81,5 g	M 16 X 1,5 X 40		MMN384
114	180	5232000101	COOLANT PUMP		1	PC	16,4 kg	EM		
	190	5422010080	GASKET FOR COOLANT PUMP	8V199TE20	1	PC	14,8 g			
	195	304017008089	HEX SCREW		2	PC	24,2 g	M 8 X 60		ISO4017
	200	204014008005	HEX SCREW		4	PC	41,4 g	M 8 X100		ISO4014
	205	000125008427	WASHER		1	PC	1,5 g	A 8,4		DIN125
	210	5592033240	RETAINER		1	PC	0,027 kg	16 X 5 X 60		
	215	000931008137	HEX SCREW		1	PC	43,9 g	M 8 X105		DIN931
	225	0042036575	THERMAL ACTUATOR		2	PC	60,2 g			
	230	0119977048	O-RING		2	PC	1,8 g	34 X 4		
	235	0209971148	O-RING		2	PC	3,3 g	60 X 4,2		

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
LEVER FOR BELT TENSIONER

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5231500024

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
	15	5302020253	SPACER SLEEVE	1	PC	0,02 kg
	20	5231550074	PIN	1	PC	29,2 g

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
COOLANT PUMP

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5232000101

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	5	5302010001	COOLANT PUMP HOUSING	NT	1	PC	4,7 kg		
	10	200625906030	GROOVED BALL BEARING		2	PC	115,6 g	6006	DIN625
	15	000472055000	SNAP RING		1	PC	10 g	55 X 2	DIN472
	20	5302010005	SHAFT	8V199TE20	1	PC	399,1 g		
	25	0002019819	ROTARY SEAL		1	PC	34,6 g		
	30	5302010007	IMPELLER	8V199TE20	1	PC	526,3 g		
	35	5232010052	SPACER WASHER		2	PC	4,5 g	15,3 X 30 X 1,2	
	40	5302010039	BEARING FLANGE	8V199TE20	1	PC	790,9 g		
	45	0012011719	ROTARY SEAL		2	PC	35,5 g		
	50	700429108000	O-RING		1	PC	15 g	108 X 5	MMN429
	55	5302010078	RING	8V199TE20	1	PC	69 g		
115	60	5232010001	COOLANT PUMP HOUSING	8V199TE20	1	PC	7,5 kg		
	65	4422010007	IMPELLER		1	PC	852 g		
	70	5302020010	BELT PULLEY		1	PC	1,038 kg		

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
COOLANT PUMP HOUSING

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5232010001

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT
	5	5412010201	COOLANT PUMP HOUSING	8V199TE20	1	PC	7,435 kg

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
RETAINER

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5232000540

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
	10	5231550574	PIN	1	PC	40 g

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	130	5062002218	ELBOW		1	PC	1 kg		
	140	304017008083	HEX SCREW		2	PC	15,1 g	M 8 X 30	ISO4017
	145	000125008427	WASHER		2	PC	1,5 g	A 8,4	DIN125
	150	700429075001	O-RING		1	PC	10,6 g	75 X 5	MMN429
	160	000931008158	HEX SCREW		1	PC	63,8 g	M 8 X160	DIN931
	165	000125008427	WASHER		1	PC	1,5 g	A 8,4	DIN125
118	175	5232000039	SUPPORT		1	PC	3,1 kg		
	180	000931010339	HEX SCREW		3	PC	103,2 g	M 10 X160	DIN931
	185	000125010524	WASHER		3	PC	3,1 g	A 10,5	DIN125
128	195	523SK8771	ELBOW		1	PC	962 g		
	200	304017008084	HEX SCREW		2	PC	16,4 g	M 8 X 35	ISO4017
	205	000125008427	WASHER		2	PC	1,5 g	A 8,4	DIN125
	210	700429065000	O-RING		1	PC	5,8 g	65 X 4	MMN429
	220	5232030043	ANGLE		1	PC	92,3 g		
	225	304017008083	HEX SCREW		1	PC	15,1 g	M 8 X 30	ISO4017
	230	304017008079	HEX SCREW		1	PC	11,7 g	M 8 X 20	ISO4017
	235	000934008008	NUT HEX		1	PC	4,6 g	M 8	DIN934
	240	000125008427	WASHER		3	PC	1,5 g	A 8,4	DIN125
	250	5232030038	FLANGE		1	PC	110 g		
	255	700429034000	O-RING		1	PC	1,8 g	34 X 3	MMN429
	260	304017008086	HEX SCREW		2	PC	19,4 g	M 8 X 45	ISO4017
	265	200433008400	WASHER		2	PC	1,5 g	8,4	DIN433
	270	735078025214	PLUG-IN PIPE		1	PC	55,7 g	D 25 X 70	MTN5078-2
	275	700429028002	O-RING		4	PC	2,8 g	28 X 4	MMN429
127	290	5232001318	COOLANT ELBOW ON COOLANT PUMP	8V199TE20	1	PC	1,1 kg		
	295	000931008137	HEX SCREW		1	PC	43,9 g	M 8 X105	DIN931
	300	304017008085	HEX SCREW		2	PC	18 g	M 8 X 40	ISO4017
	305	000125008427	WASHER		3	PC	1,5 g	A 8,4	DIN125
	310	735078060201	PLUG-IN PIPE		1	PC	533,4 g	D 60 X 190	MTN5078-2
	315	700429065001	O-RING		4	PC	9,3 g	65 X 5	MMN429
	325	5232030422	ELBOW	8V199	1	PC	670,9 g		
	330	9425010080	GASKET	BR 2000	1	PC	6,6 g		
	335	000933010035	HEX SCREW		2	PC	23,9 g	M 10 X 25	DIN933
	340	000125010524	WASHER		2	PC	3,1 g	A 10,5	DIN125
	345	735078060200	PLUG-IN PIPE		1	PC	141,7 g	D 60 X 70	MTN5078-2
	350	700429065001	O-RING		4	PC	9,3 g	65 X 5	MMN429
120	360	5232000151	COOLANT LINE	8V199	1	PC	677,9 g		
	370	917003022003	GASKET		1	PC	2,1 g	22 X 44 X 1	N17003
	375	304017008081	HEX SCREW		2	PC	13,4 g	M 8 X 25	ISO4017
	380	000125008427	WASHER		2	PC	1,5 g	A 8,4	DIN125
	385	700223020000	BOLT BANJO A20		1	PC	201,6 g	A 22	MMN223
	390	8832000043	PLUG		1	PC	0,031 kg		
	395	007603014102	SEAL RING		1	PC	1 g	A 14 X 18	DIN7603
	400	000933006085	HEX SCREW		1	PC	3,5 g	M 6 X 6	DIN933
	405	007603030101	COPPER SEALING RING		2	PC	4,3 g	A 30 X 36	DIN7603
130	425	X00037988	COOLANT LINE	SPRAT	1	PC	925 g		
	435	700325028102	PIPE CLAMP HALF		2	PC	82 g	2/1 D 9 - 28	MMN325
	440	700325028202	CLAMP HALF TUBE 2/1 G8-28		2	PC	82 g	2/1 G 8 - 28	MMN325
	445	304017008083	HEX SCREW		2	PC	15,1 g	M 8 X 30	ISO4017
121	535	5232000158	VENT LINE	8V199	1	PC	185,3 g		
	540	700223006000	BOLT BANJO A8 S2000/ 4000		2	PC	38,8 g	A 8	MMN223
	545	007603014102	SEAL RING		4	PC	1 g	A 14 X 18	DIN7603
	560	735214010000	UNION		1	PC	31 g	10	MTN5214
	565	915011008101	BOLT BANJO A 8		1	PC	28,4 g	A 8	N15011

	☐	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
		570	915013008002	SCREW NECK		1	PC	24 g	8 (M16X1,5/M14X1,5)	N15013
		575	007603014102	SEAL RING		3	PC	1 g	A 14 X 18	DIN7603
		590	915013008002	SCREW NECK		2	PC	24 g	8 (M16X1,5/M14X1,5)	N15013
		595	007603014102	SEAL RING		2	PC	1 g	A 14 X 18	DIN7603
123		605	5232000239	SUPPORT	BR199	1	PC	2,6 kg		
		615	304017008089	HEX SCREW		4	PC	24,2 g	M 8 X 60	ISO4017
		620	000125008427	WASHER		4	PC	1,5 g	A 8,4	DIN125
		625	700429040001	O-RING		1	PC	3,7 g	40 X 4	MMN429
		630	735078025207	PLUG-IN PIPE		1	PC	318,2 g	D 25 X 280	MTN5078-2
		635	700429028002	O-RING		4	PC	2,8 g	28 X 4	MMN429
		650	5232030038	FLANGE		1	PC	110 g		
		655	700429034000	O-RING		1	PC	1,8 g	34 X 3	MMN429
		660	304017008086	HEX SCREW		2	PC	19,4 g	M 8 X 45	ISO4017
		665	200433008400	WASHER		2	PC	1,5 g	8,4	DIN433
		670	735078025214	PLUG-IN PIPE		1	PC	55,7 g	D 25 X 70	MTN5078-2
		675	700429028002	O-RING		4	PC	2,8 g	28 X 4	MMN429
124		685	5232000258	VENT LINE	8V199	1	PC	125 g		
		690	700223006000	BOLT BANJO A8 S2000/ 4000		1	PC	38,8 g	A 8	MMN223
		695	007603014102	SEAL RING		2	PC	1 g	A 14 X 18	DIN7603
125		705	5232000358	VENT LINE	8V199	1	PC	104 g		
		710	915013006002	UNION		1	PC	19,6 g	6	N15013
		715	007603012111	COPPER SEALING RING		1	PC	0,7 g	A 12 X 15,5	DIN7603
		720	700223006000	BOLT BANJO A8 S2000/ 4000		1	PC	38,8 g	A 8	MMN223
		725	007603014102	SEAL RING		2	PC	1 g	A 14 X 18	DIN7603
126		735	5232000458	VENT LINE	8V199	1	PC	62,8 g	6 X 1	
		740	915006006002	UNION		1	PC	23,1 g	6	N15006
		745	007603014102	SEAL RING		1	PC	1 g	A 14 X 18	DIN7603
119		755	5232000063	DRAIN LINE	8V199	1	PC	58,5 g		
		760	700223004000	BOLT BANJO A4		1	PC	29,9 g	A 6	MMN223
		765	007603012111	COPPER SEALING RING		2	PC	0,7 g	A 12 X 15,5	DIN7603
		810	5062000035	FLAP		1	PC	109,3 g		
		815	8332030171	SCREW		2	PC	30,7 g	M 14 X 1,5	
		820	007603014106	WASHER A COP		2	PC	1,7 g	A 14 X 20	DIN7603
		825	8379970110	DOWEL PIN		1	PC	14,2 g	6 H11 X 60	
		830	5062000390	FLAP HOUSING		1	PC	2,22 kg		
		835	000908014001	SCREW PLUG		1	PC	0,016 kg	M 14 X 1,5	DIN908
		840	007603014102	SEAL RING		1	PC	1 g	A 14 X 18	DIN7603
		850	304017008083	HEX SCREW		2	PC	15,1 g	M 8 X 30	ISO4017
		855	000125008427	WASHER		2	PC	1,5 g	A 8,4	DIN125
		860	700429075001	O-RING		1	PC	10,6 g	75 X 5	MMN429
		865	700429023000	O-RING		1	PC	1,2 g	23 X 3	MMN429
		875	200912006001	BOLT HEX SOC HD		2	PC	6,3 g	M 6 X 20	DIN912
		880	000125006431	WASHER		2	PC	0,8 g	A 6,4	DIN125
		885	0001537213	CONTROL SWITCH		1	PC	113,9 g		
		890	0052034875	THERMAL ACTUATOR		1	PC	76,8 g		
129		895	8712000017	COVER		1	PC	132,9 g		
		900	700429045000	O-RING		1	PC	6,8 g	45 X 5	MMN429
		905	700429046000	O-RING		1	PC	2,6 g	46 X 3	MMN429
		910	000000001444	HEX SCREW		2	PC	6 g	M 6 X 20	ISO4017
		915	000125006431	WASHER		2	PC	0,8 g	A 6,4	DIN125
122		920	5232000185	EXPANSION TANK	8V199TE20	1	PC	17 kg		
		925	000931010339	HEX SCREW		3	PC	103,2 g	M 10 X160	DIN931
		930	000125010524	WASHER		3	PC	3,1 g	A 10,5	DIN125
		935	0009975187	RELIEF VALVE FOR EXPANSION TANK		1	PC	246,6 g	2.5 bar	

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	940	700429040001	O-RING		1	PC	3,7 g	40 X 4	MMN429
	945	304017008083	HEX SCREW		2	PC	15,1 g	M 8 X 30	ISO4017
	950	000125008427	WASHER		2	PC	1,5 g	A 8,4	DIN125
	960	5232030644	SUPPORT	8V199	1	PC	0,623 kg		
	965	304017008081	HEX SCREW		3	PC	13,4 g	M 8 X 25	ISO4017
	975	5232030544	SUPPORT	8V199	1	PC	949,1 g		
	980	000931008241	HEX SCREW		2	PC	31,7 g	M 8 X 75	DIN931
	985	000961014071	HEX SCREW		2	PC	82 g	M 14 X 1,5 X 50	DIN961
	990	5232030744	SUPPORT	8V199	1	PC	839 g		
131	1050	X00042332	COOLANT LINE FOR ALTERNATOR		1	PC	335 g		
	1070	700223010000	BOLT BANJO A12		2	PC	64,8 g	A 12	MMN223
	1080	007603018101	COPPER SEALING RING		4	PC	1,3 g	A 18 X 22	DIN7603
	1100	700325018100	CLAMP HALF TUBE 1/1 D9-18		2	PC	40 g	1/1 D 9 - 18	MMN325
	1110	700327012000	GROMMET		1	PC	4,6 g	12	MMN327
	1120	5502033840	BRACKET		1	PC	57 g		
	1130	304017008086	HEX SCREW		1	PC	19,4 g	M 8 X 45	ISO4017
	1140	000000003520	HEX SCREW		1	PC	13,2 g	M 8 X 25	ISO4017
	1150	304032008014	NUT HEX 8 A3C		1	PC	4,8 g	M 8	ISO4032
132	1160	X00042333	COOLANT LINE FOR ALTERNATOR		1	PC	0,336 kg		
	1180	X00042896	UNION		1	PC	78 g		
	1190	007603018101	COPPER SEALING RING		1	PC	1,3 g	A 18 X 22	DIN7603
	1200	700223010000	BOLT BANJO A12		1	PC	64,8 g	A 12	MMN223
	1210	007603018101	COPPER SEALING RING		2	PC	1,3 g	A 18 X 22	DIN7603
	1230	X00042897	FLANGE		1	PC	299 g		
	1240	271511022000	GASKET		1	PC	1,6 g	22X 44X1	DIN71511
	1250	304017008086	HEX SCREW		2	PC	19,4 g	M 8 X 45	ISO4017
	1260	700223010000	BOLT BANJO A12		1	PC	64,8 g	A 12	MMN223
	1270	007603018101	COPPER SEALING RING		2	PC	1,3 g	A 18 X 22	DIN7603
	1290	700325018100	CLAMP HALF TUBE 1/1 D9-18		2	PC	40 g	1/1 D 9 - 18	MMN325
	1300	700327012000	GROMMET		1	PC	4,6 g	12	MMN327
	1310	304017008086	HEX SCREW		1	PC	19,4 g	M 8 X 45	ISO4017
	1320	8731590140	RETAINER		1	PC	28 g		
	1330	000000003020	HEX SCREW		1	PC	20 g	M 10 X 20	ISO4017

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
SUPPORT

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5232000039

	POS.	PART NO.	DESIGNATION	QTY.	UNITS
	5	5232030244	SUPPORT	1	PC

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

DRAIN LINE

FG/FGS:

BOM-No.: 5232000063

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915003004202	UNION BALL B2-6	1	PC	2,6 g	B2 - 6	MBN15003
	20	915001004005	NUT 4 M12X1.5 BL.GEO ELT	1	PC	16,3 g	4 M 12 X 1,5	N15001
	25	700222004000	BANJO UNION	1	PC	25 g	6	MMN222

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
COOLANT LINE

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5232000151

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	10	071501022200	FLANGE	1	PC	65,4 g	B 22 X 44	DIN71501
	15	700222020000	BANJO UNION	1	PC	244 g	22	MMN222
	20	900112014100	BOSS	1	PC	24,7 g	A M 14X1,5	N112
	25	900112006200	BOSS	1	PC	5 g	B M 6	N112

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
VENT LINE

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5232000158

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	700222006000	BANJO UNION	2	PC	33,5 g	8	MMN222

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
EXPANSION TANK

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5232000185

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	5	5232030194	EXPANSION TANK	6V199	1	PC			
	10	700354018004	THREADED BUSHING		2	PC	70,7 g	M 18 X 1,5	MMN354
	40	735072052000	PLUG		5	PC	0,105 kg	M 52 X 2	MTN5072
	45	000007016104	PIN DOWEL		2	PC	54,6 g	16 M6 X 32	DIN7
	50	735072042000	PLUG		2	PC	0,064 kg	M 42 X 2	MTN5072
	55	735072036000	PLUG		2	PC	46,2 g	M 36 X 2	MTN5072
	60	8339970216	THREADED BUSHING		4	PC	14,2 g	M14X1,5/M18X1,5	
	65	8339970616	THREADED BUSHING		2	PC	17,5 g	M18X1,5/M22X1,5	
	70	000908018002	PLUG		2	PC	0,029 kg	M 18 X 1,5	DIN908
	75	007603018101	COPPER SEALING RING		2	PC	1,3 g	A 18 X 22	DIN7603

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
SUPPORT

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5232000239

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	5	5232040189	SUPPORT	BR199	1	PC	2,692 g		
	15	700354018004	THREADED BUSHING		1	PC	70,7 g	M 18 X 1,5	MMN354
	25	735072036000	PLUG		1	PC	46,2 g	M 36 X 2	MTN5072

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
VENT LINE

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5232000258

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915003006202	UNION BALL B2-8	1	PC	0,003 kg	B2 - 8	MBN15003
	20	915001006003	NUT	1	PC	12,5 g	6 M 14 X 1,5	N15001
	25	700222006000	BANJO UNION	1	PC	33,5 g	8	MMN222

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
VENT LINE

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5232000358

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915003006202	UNION BALL B2-8	1	PC	0,003 kg	B2 - 8	MBN15003
	20	915001006003	NUT	1	PC	12,5 g	6 M 14 X 1,5	N15001
	25	700222006000	BANJO UNION	1	PC	33,5 g	8	MMN222

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
VENT LINE

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5232000458

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915003006202	UNION BALL B2-8		2	PC	0,003 kg	B2 - 8	MBN15003
	20	915001006003	NUT		2	PC	12,5 g	6 M 14 X 1,5	N15001
	25	718363106000	UNION	ABZWEIG	1	PC	14,6 g	8/M 12 X 1,5	MMN18363.1

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
COOLANT ELBOW ON COOLANT PUMP

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5232001318

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT
	5	5232031722	COOLANT ELBOW ON COOLANT PUMP	8V199TE20	1	PC	1,167 kg	
	10	8339970616	THREADED BUSHING		1	PC	17,5 g	M18X1,5/M22X1,5
	15	8339970216	THREADED BUSHING		2	PC	14,2 g	M14X1,5/M18X1,5

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
ELBOW

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 523SK8771

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT
	10	5232030622	ELBOW FOR COOLANT	1	PC	956,1 g	
	20	8339970616	THREADED BUSHING	1	PC	17,5 g	M18X1,5/M22X1,5

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
COVER

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 8712000017

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	5	8712030174	COVER	1	PC			
	10	900421006000	THREAD INSERT	2	PC	0,3 g	A M 6 X 6	DIN8140

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

COOLANT LINE

FG/FGS:

BOM-No.: X00037988

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	30	915003025202	UNION BALL B2-28	2	PC	27,6 g	B2 -28	MBN15003
	40	915001025004	NUT	2	PC	88 g	25 M 38 X 1,5	N15001

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
COOLANT LINE FOR ALTERNATOR

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X00042332

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	30	700222010000	BANJO UNION	2	PC	65,3 g	12	MMN222

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
COOLANT LINE FOR ALTERNATOR

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X00042333

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	30	700222010000	BANJO UNION	2	PC	65,3 g	12	MMN222

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
MOUNTING SYSTEM

SERIAL NUMBER: 522.952-00-565564
FG/FGS: 230

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

00

ATTACHMENTS

XS523230.00003

ATTACHMENTS

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
135	20	5232200040	RETAINER	1	PC	6,1 kg		
	30	000007012104	DOWEL PIN	2	PC	33,8 g	12 M6 X 36	DIN7
	40	000000000906	HEX SCREW	2	PC	49,4 g	M 10 X 80	ISO4017
	60	5232230241	LIFTING EYE	2	PC	615,6 g		
	70	000933012077	HEX SCREW	4	PC	42,3 g	M 12 X 35	DIN933
	80	006796012100	CONICAL SPR. WASHER	4	PC	11,5 g	12	DIN6796
	100	5230100068	COVER FOR OIL FILLING	1	PC	67,6 g		
	110	5232240140	RETAINER	1	PC	1,1 kg		
	120	304017008079	HEX SCREW	4	PC	11,7 g	M 8 X 20	ISO4017
	130	206796008000	CONICAL SPR. WASHER	4	PC	2,8 g	8	DIN6796
	140	5232240240	RETAINER	1	PC	1 kg		
	150	304017008079	HEX SCREW	2	PC	11,7 g	M 8 X 20	ISO4017
	160	206796008000	CONICAL SPR. WASHER	2	PC	2,8 g	8	DIN6796
	170	000933008116	HEX SCREW	2	PC	14,1 g	M 8 X 28	DIN933
	180	000934008008	NUT HEX	2	PC	4,6 g	M 8	DIN934
	190	000125008427	WASHER	2	PC	1,5 g	A 8,4	DIN125

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

RETAINER

FG/FGS:

BOM-No.: 5232200040

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	5	5232240040	RETAINER FOR LIFTING EYE	1	PC	5,9 kg		
	10	1104710033	END SOCKET	1	PC	37,4 g		EN10130
	15	007603030101	COPPER SEALING RING	2	PC	4,3 g	A 30 X 36	DIN7603
	20	000908030002	THREAD PLUG	2	PC	0,085 kg	M 30 X 1,5	DIN908
	25	000007016104	PIN DOWEL	1	PC	54,6 g	16 M6 X 32	DIN7

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

AUXILIARY SYSTEMS / ADDITIONAL EQUIPMENT

FG/FGS: 360

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

00

AUX. POWER TAKE-OFF

XS523360.00001

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

AUX. POWER TAKE-OFF

FG/FGS: 360 00

BOM-No.: XS523360.00001

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
138	20	5062300219	BEARING HOUSING	1	PC	4,462 kg		
	35	5232340001	INTERMEDIATE FLANGE	1	PC	810,9 g		
	40	0059971945	O-RING	1	PC	1,2 g	92 X 3	
	50	700429080004	O-RING	1	PC	2,7 g	80 X 2,5	MMN429
	60	4032341053	SPACER TUBE	1	PC	80,5 g		
	70	000988063009	RING SHIM	1	PC	14,3 g	63 X 80 X 1,0	DIN988
	80	000988063013	RING SHIM	1	PC	17 g	63 X 80 X 1,2	DIN988
	90	000988063005	RING SHIM	1	PC	20 g	63 X 80 X 1,4	DIN988
	100	000988063006	RING SHIM	1	PC	22,6 g	63 X 80 X 1,6	DIN988
	110	000988063007	RING SHIM	1	PC	25 g	63 X 80 X 1,8	DIN988
	120	007984008006	FILLISTER SCREW	5	PC	13,4 g	M 8 X 30	DIN7984
	140	5062370355	COVER	1	PC	357,2 g		
	150	700429080004	O-RING	1	PC	2,7 g	80 X 2,5	MMN429
	160	304017008081	HEX SCREW	4	PC	13,4 g	M 8 X 25	ISO4017
	170	000125008427	WASHER	4	PC	1,5 g	A 8,4	DIN125
	190	4032340525	DRIVE GEAR FOR AUX PTO	1	PC	1,3 kg		
	200	4032340172	NUT LOCK	1	PC	97,8 g		

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
BEARING HOUSING

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5062300219

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	5	5062340120	BEARING HOUSING FOR AUX PTO	1	PC	1,8 kg		
139	10	5062300025	DRIVE SHAFT	1	PC	1,3 kg		
	15	4032340853	SPACER TUBE	1	PC	343 g		
	20	4032340953	SPACER TUBE	1	PC	335,3 g		
	25	005412200005	BEARING BALL CYLINDE R	1	PC	367,3 g	NU208	DIN5412
	30	200625906215	GROOVED BALL BEARING	1	PC	354 g	6208	DIN625

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
DRIVE SHAFT

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5062300025

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
140	5	5062340405	DRIVE SHAFT	1	PC	1,2 kg		
	10	001481005002	SPRING PIN	1	PC	1,7 g	5 X 20 - N	ISO8752

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
DRIVE SHAFT

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5062340405

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
	5	4032341305	DRIVE SHAFT FOR AUX PTO	1	PC	1,266 kg

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
COMPRESSED-AIR SUPPLY SYSTEM

SERIAL NUMBER: 522.952-00-565564
FG/FGS: 362

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

40

ACCESSORIES FOR AIR COMPRESSOR

XS523360.00002

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	30	5231300019	CYLINDER HEAD W. LAM ELLAR VALVE		1	PC	2,03 kg		
	40	5411310780	GASKET	BR199	1	PC	5,9 g		
	60	5411310780	GASKET	BR199	1	PC	5,9 g		
	80	915036010100	BANJO SCREW		2	PC	28,5 g	A10	N15036
	90	007603014106	WASHER A COP		4	PC	1,7 g	A 14 X 20	DIN7603
143	100	X52320200001	COOLANT LINE FOR AIR COMPRESSOR		1	PC	202,1 g	10 X 1	
	120	915036010100	BANJO SCREW		2	PC	28,5 g	A10	N15036
	130	007603014106	WASHER A COP		4	PC	1,7 g	A 14 X 20	DIN7603
	140	915013008004	UNION		1	PC	24 g	8	N15013
144	150	X52320200002	COOLANT LINE FOR AIR COMPRESSOR		1	PC	98,2 g	10 X 1	
	170	915036010100	BANJO SCREW		1	PC	28,5 g	A10	N15036
	180	007603014106	WASHER A COP		2	PC	1,7 g	A 14 X 20	DIN7603
145	190	X52320200003	COOLANT LINE		1	PC	128 g		
	200	915013008004	UNION		1	PC	24 g	8	N15013
	210	007603014106	WASHER A COP		1	PC	1,7 g	A 14 X 20	DIN7603
	230	X52320200004	COVER		1	PC	211,3 g		
	240	5412010180	GASKET	BR199	1	PC	4,5 g		
	270	700429036000	O-RING		2	PC	0,9 g	36 X 2	MMN429
	280	X00036882	THRUST RING	6V199	2	PC	9,5 g		
	290	X00036883	NUT	6V199	2	PC	51,2 g	M36X1,5	
	300	X00040581	BRACKET		2	PC	229,4 g		

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
COOLANT LINE FOR AIR COMPRESSOR

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X52320200001

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	10	915010008202	BANJO	2	PC	0,02 kg	B 8 S	MBN15010

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
COOLANT LINE FOR AIR COMPRESSOR

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X52320200002

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915010008202	BANJO	2	PC	0,02 kg	B 8 S	MBN15010

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
COOLANT LINE

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X52320200003

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	15	915003008201	UNION BALL B2-10	1	PC	3,6 g	B2 -10	MBN15003
	20	915001008003	NUT	1	PC	0,014 kg	8 M 16 X 1,5	N15001
	25	915010008202	BANJO	1	PC	0,02 kg	B 8 S	MBN15010

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
HYDRAULIC SYSTEM

SERIAL NUMBER: 522.952-00-565564
FG/FGS: 413

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

25

ACTIVATION F.CONSTANT THROTTLE

X00035647

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
154	10	X00035865	DISTRIBUTOR		1	PC	613,2 g		
	30	000931010230	HEX SCREW		1	PC	46,8 g	M 10 X 65	DIN931
	40	000125010524	WASHER		1	PC	3,1 g	A 10,5	DIN125
	50	X00035730	BANJO SCREW		1	PC	112,6 g		
	70	5419971245	O-RING		1	PC	0,6 g	21 X 2,5	
148	80	X00035564	PRESSURE LINE F.CONSTANT THROTTLE	BR199	1	PC	144,8 g	10 X 1	
	100	915036010100	BANJO SCREW		2	PC	28,5 g	A10	N15036
	110	007603014102	SEAL RING		4	PC	1 g	A 14 X 18	DIN7603
149	120	X00035600	PRESSURE LINE F.CONSTANT THROTTLE	BR199	1	PC	245 g	10 X 1	
	140	916016010203	CLAMP		1	PC	0,02 kg	BRSGU 10/20	N16016
	150	000000003182	HEX SCREW		1	PC	10,6 g	M 8 X 16	ISO4017
	160	000125008427	WASHER		1	PC	1,5 g	A 8,4	DIN125
	170	5220180340	RETAINER	SG2000	1	PC	55 g		
	190	915006008002	UNION		1	PC	29,7 g	8	N15006
	200	007603016105	COPPER SEALING RING		1	PC	3 g	A 16 X 20	DIN7603
151	210	X00035719	PRESSURE LINE F.CONSTANT THROTTLE	BR199	1	PC	173 g	10 X 1	
	230	916016010203	CLAMP		1	PC	0,02 kg	BRSGU 10/20	N16016
	240	304017008079	HEX SCREW		1	PC	11,7 g	M 8 X 20	ISO4017
	250	000125008427	WASHER		1	PC	1,5 g	A 8,4	DIN125
	270	5620984139	BRACKET FUEL LINE S2 000/4000		1	PC	41,5 g		
	280	916016010203	CLAMP		1	PC	0,02 kg	BRSGU 10/20	N16016
	290	304017008077	HEX SCREW		1	PC	10,5 g	M 8 X 16	ISO4017
	300	000125008427	WASHER		1	PC	1,5 g	A 8,4	DIN125
	320	915036010100	BANJO SCREW		1	PC	28,5 g	A10	N15036
	330	007603014102	SEAL RING		2	PC	1 g	A 14 X 18	DIN7603
152	350	X00035721	PIPE F.KONSTANTDROSSEL	BR199	2	PC	48 g		
150	360	X00035712	PRESSURE LINE	BR199	1	PC	158,5 g	10 X 1	
	380	915036010100	BANJO SCREW		1	PC	28,5 g	A10	N15036
	390	007603014102	SEAL RING		2	PC	1 g	A 14 X 18	DIN7603
	400	915007008003	CONNECTOR 8/4		1	PC	27,4 g	8 / 4	N15007
	410	007603012111	COPPER SEALING RING		1	PC	0,7 g	A 12 X 15,5	DIN7603
	430	135M55009/1	STRAP 75 X20		1	PC	62,1 g		
	440	700325015104	CLAMP HALF TUBE 2/1 D9-15		2	PC	47 g	2/1 D 9 - 15	MMN325
	450	700327010000	GROMMET		2	PC	2,8 g	10	MMN327
	460	304017008084	HEX SCREW		1	PC	16,4 g	M 8 X 35	ISO4017
	470	000125008427	WASHER		1	PC	1,5 g	A 8,4	DIN125

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
PRESSURE LINE F.CONSTANT THROTTLE

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X00035564

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	30	915010008202	BANJO	2	PC	0,02 kg	B 8 S	MBN15010

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
PRESSURE LINE F.CONSTANT THROTTLE

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X00035600

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	30	718363208002	UNION	1	PC	20,4 g	10/M 16 X 1,5	MMN18363.2
	40	915003008201	UNION BALL B2-10	1	PC	3,6 g	B2 -10	MBN15003
	50	915001008003	NUT	1	PC	0,014 kg	8 M 16 X 1,5	N15001

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
PRESSURE LINE

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X00035712

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	30	915010008202	BANJO	1	PC	0,02 kg	B 8 S	MBN15010
	40	915001008003	NUT	1	PC	0,014 kg	8 M 16 X 1,5	N15001
	50	915003008201	UNION BALL B2-10	1	PC	3,6 g	B2 -10	MBN15003

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
PRESSURE LINE F.CONSTANT THROTTLE

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X00035719

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	30	915010008202	BANJO	1	PC	0,02 kg	B 8 S	MBN15010
	40	718363208002	UNION	1	PC	20,4 g	10/M 16 X 1,5	MMN18363.2

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
PIPE F.KONSTANTDROSSEL

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X00035721

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
153	10	X00035720	PIPE F.KONSTANTDROSSEL	1	PC	15,8 g		
	20	915001008003	NUT	1	PC	0,014 kg	8 M 16 X 1,5	N15001
	30	203870008100	UNION NUT	1	PC	14,8 g	AL 8	DIN3870
	40	003861008004	FERRULE BITE	1	PC	2,5 g	L 8	DIN3861

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
PIPE F.KONSTANTDROSSEL

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X00035720

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	30	915004008204	CONE SEALING B2-10/8	1	PC	5,65 g	B2 -10/8	MBN15004

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

DISTRIBUTOR

FG/FGS:

BOM-No.: X00035865

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
	10	X00035725	DISTRIBUTOR	1	PC	570,8 g

GROUP SEGMENT (FGS)

GROUP NAMEBOM-No.

90

ENGINE CABLING

XS523500.00001

98

CABLING FOR POWERPACK

XS523500.00005

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
159	100	X52350700005	APPLIANCE CABLE	8V199TE20	1	PC	1,086 kg		W605	
	120	916016008202	CLAMP		1	PC	17,9 g		BRSGU 8/20	N16016
	140	916016012201	CLAMP		1	PC	21 g		BRSGU 12/20	N16016
	160	916016012201	CLAMP		1	PC	21 g		BRSGU 12/20	N16016
	170	304017008077	HEX SCREW		1	PC	10,5 g		M 8 X 16	ISO4017
	180	000125008427	WASHER		1	PC	1,5 g		A 8,4	DIN125
	200	916016012201	CLAMP		1	PC	21 g		BRSGU 12/20	N16016
	220	916016012201	CLAMP		1	PC	21 g		BRSGU 12/20	N16016
	230	304017008077	HEX SCREW		1	PC	10,5 g		M 8 X 16	ISO4017
	240	000125008427	WASHER		1	PC	1,5 g		A 8,4	DIN125
	260	8331501573	BRACKET FLAT W/MB NU T H:60		1	PC	18,2 g	SB		
	270	916016015200	CLAMP		1	PC	25,9 g		BRSGU 15/20	N16016
	280	304017008077	HEX SCREW		2	PC	10,5 g		M 8 X 16	ISO4017
	290	000125008427	WASHER		1	PC	1,5 g		A 8,4	DIN125
	310	8711591340	RETAINER		1	PC	19,4 g			
	320	916016018201	CLAMP		1	PC	15 g		BRSGU 18/15	N16016
	330	304017008077	HEX SCREW		1	PC	10,5 g		M 8 X 16	ISO4017
	340	000933006207	HEX SCREW		1	PC	4,8 g		M 6 X 14	DIN933
	350	000125006431	WASHER		1	PC	0,8 g		A 6,4	DIN125
	360	916016015204	CLAMP		1	PC	40,6 g		BRSGU 15/25	N16016
	370	000000003020	HEX SCREW		1	PC	20 g		M 10 X 20	ISO4017
	380	000125010524	WASHER		1	PC	3,1 g		A 10,5	DIN125
	400	916016010203	CLAMP		1	PC	0,02 kg		BRSGU 10/20	N16016
	410	304017008077	HEX SCREW		1	PC	10,5 g		M 8 X 16	ISO4017
	420	000125008427	WASHER		1	PC	1,5 g		A 8,4	DIN125
	440	8331501773	BRACKET W/M8 NUT H:1 3		1	PC	19,8 g	SB		
	450	916016008202	CLAMP		1	PC	17,9 g		BRSGU 8/20	N16016
	460	X00026634	SPACER PIN		1	PC	96 g		L=25,6MM	
	470	000125008427	WASHER		1	PC	1,5 g		A 8,4	DIN125
	490	8331501773	BRACKET W/M8 NUT H:1 3		1	PC	19,8 g	SB		
	500	916016010203	CLAMP		1	PC	0,02 kg		BRSGU 10/20	N16016
	510	X00026634	SPACER PIN		1	PC	96 g		L=25,6MM	
	520	000125008427	WASHER		1	PC	1,5 g		A 8,4	DIN125
	540	8331501773	BRACKET W/M8 NUT H:1 3		1	PC	19,8 g	SB		
	550	916016008202	CLAMP		1	PC	17,9 g		BRSGU 8/20	N16016
	560	X00026634	SPACER PIN		1	PC	96 g		L=25,6MM	
	570	000125008427	WASHER		1	PC	1,5 g		A 8,4	DIN125
	590	8331501773	BRACKET W/M8 NUT H:1 3		1	PC	19,8 g	SB		
	600	916016008202	CLAMP		1	PC	17,9 g		BRSGU 8/20	N16016
	610	304017008077	HEX SCREW		1	PC	10,5 g		M 8 X 16	ISO4017
	620	000125008427	WASHER		1	PC	1,5 g		A 8,4	DIN125
	640	8712033040	RETAINER		1	PC	36,7 g			
	650	8711590271	SPACER		1	PC	65,6 g		M8/M8 X 35,25 X SW17	
	660	8372370171	SPACER		1	PC	15,7 g		L=26,5 / 13,5 SW13	
	670	916016006201	CLAMP		1	PC	7,7 g		BRSGU 6/15	N16016
	680	304017008077	HEX SCREW		1	PC	10,5 g		M 8 X 16	ISO4017
	690	000125006431	WASHER		1	PC	0,8 g		A 6,4	DIN125
	710	8711591340	RETAINER		2	PC	19,4 g			
	720	8372370171	SPACER		2	PC	15,7 g		L=26,5 / 13,5 SW13	
	730	916016006201	CLAMP		2	PC	7,7 g		BRSGU 6/15	N16016
	740	304017008077	HEX SCREW		2	PC	10,5 g		M 8 X 16	ISO4017
	750	000125008427	WASHER		2	PC	1,5 g		A 8,4	DIN125
	760	000125006431	WASHER		2	PC	0,8 g		A 6,4	DIN125
157	780	8331504233	GROUND STRAP		1	PC	15,1 g			

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
ENGINE CABLING

SERIAL NUMBER: 522.952-00-565564

FG/FGS: 507 90

BOM-No.: XS523500.00001

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
	790	304017008077	HEX SCREW		1	PC	10,5 g		M 8 X 16	ISO4017
	800	000125008427	WASHER		1	PC	1,5 g		A 8,4	DIN125

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
GROUND STRAP

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 8331504233

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT
158	5	8331599033	GROUND STRAP	1	PC		4QMM
	10	8331597883	SHRINKABLE HOSE	1	PC		3/8"
	15	8331590779	CABLE TERMINAL	1	PC	3,2 g	
	20	8331590879	CABLE TERMINAL	1	PC	2,5 g	

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

GROUND STRAP

FG/FGS:

BOM-No.: 8331599033

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT
	5	50053	FLAT COPPER CONNEC	0,152	M	39,4 g	4 MM2

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

APPLIANCE CABLE

FG/FGS:

BOM-No.: X52350700005

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
160	10	5235450026	CONNECTOR HOUSING	8V199TE20	1	PC	79 g			
	20	0115457626	CONTACT SPRING		25	PC	0,4 g	AB	2,5 MM²	
	30	0115457726	CONTACT SPRING		4	PC	0,4 g	AB	1 MM²	
	40	0005460786	GASKET		44	PC	0,1 g			
	50	0005461569	BLANKING PLUG		28	PC	0,1 g			
	60	0005457483	CAP		1	PC	12,9 g			
	70	1685452928	HOUSING		4	PC	6,6 g			
	80	0095458226	CONTACT SLEEVE		11	PC	0,4 g			
	90	1685452528	HOUSING		1	PC	8,1 g			
	100	0001530842	COUPLING	KUPPLUNG CODE A	1	PC	9,8 g			
	110	0095458126	FEMALE CONNECTOR	6V199 TE20/M113	4	PC	0,4 g			
	120	0055455426	CONNECTOR END HSNG		1	PC	6 g			
	130	0001592283	SHRINKABLE HOSE	SSCHL. 32/8-0 SW	1	PC	4,9 g		32MM DURCHM. X50MM LG.	
	140	0001598448	BRANCH PIECE		1	PC	27,5 g			
	150	0001594148	BRANCH PIECE		4	PC	3,5 g		VG95343T19A007A 322A412 9-5-9	
	160	0001595348	BRANCH PIECE		4	PC	2,7 g		VERZWEIGER T19B001A 342A012	
	180	0001597048	BRANCH PIECE		1	PC	2,4 g		VG95343T19D001A,462A011,6.5-3.5	
	190	0001596548	BRANCH PIECE		10	PC	2 g		VG95343T19C001A 382A012 6-3-3	
	200	50006	SHRINKABLE HOSE		635	MM	65 g		3/4 IN	
	210	50015	SHRINKABLE HOSE		415	MM	35 g		1/2 IN	
	220	50010	SHRINKABLE HOSE		1.955	MM	25 g		3/8 IN	
	230	50005	SHRINKABLE HOSE		2.320	MM	15 g		1/4 IN	
	240	50754	SHRINKABLE HOSE		1.280	MM	11,2 g		3/16" - T05 D002A	VG95343
	250	50185	SHRINKABLE HOSE		700	MM	24,6 g		3/8 IN	
	260	50169	SHRINKABLE HOSE		60	MM	30 g		1 IN	
	270	50160	SHRINKABLE HOSE		525	MM	9,6 g		3/8 IN	
	280	0001597281	CABLE MARKER		750	MM	0,015 kg		RMK6-WM, B=50.8MM	
	290	0001593632	ELECTRIC CABLE		970	MM	0,017 kg			
	300	50484	PIPE		19.710	MM	25,7 g		2X 1,2 MM2 VERSEILT	VG95218
	310	50477	PIPE		200	MM	12,8 g		1,2 MM2	VG95218
	320	0001593932	ELECTRIC CABLE		1.700	MM	25 g			
	330	0109970781	GROMMET		2	PC	3,4 g			
	340	0005456145	MALE CONNECTOR	TPZ-FUCHS	5	PC	4,3 g			
	350	0001590627	CONNECTOR		2	PC	3,5 g			
	360	0015312485	CABLE TERMINAL	0,5-1,5 MM	16	PC	0,5 g		M3, 0.5-1.5QMM	

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
CONNECTOR HOUSING

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 5235450026

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
	5	0045450426	HOUSING	1	PC	80 g

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
162	100	X52350700009	APPLIANCE CABLE	8V199TE20 SPRAT	1	PC	3,3 kg		W610	
165	110	X52350700010	APPLIANCE CABLE	8V199TE20 SPRAT	1	PC	12 kg		W611	
166	120	X52350700011	APPLIANCE CABLE	8V199TE20 SPRAT	1	PC	927 g		W612	
167	130	X52350700012	APPLIANCE CABLE	8V199TE20 SPRAT	1	PC	63,6 g		W613	
168	140	X52350700013	APPLIANCE CABLE	8V199TE20 SPRAT	1	PC	841 g		W614	
169	150	X52350700014	APPLIANCE CABLE	8V199TE20 SPRAT	1	PC	2,1 kg		W651	
	250	8331501773	BRACKET W/M8 NUT H:1 3		1	PC	19,8 g	SB		
	260	916016015200	CLAMP		1	PC	25,9 g	BRSGU 15/20		N16016
	270	304017008077	HEX SCREW		1	PC	10,5 g	M 8 X 16		ISO4017
	280	000125008427	WASHER		1	PC	1,5 g	A 8,4		DIN125
	300	5582035340	RETAINER		1	PC	63,2 g			
	310	8711590271	SPACER		1	PC	65,6 g	M8/M8 X 35,25 X SW17		
	320	000000003179	CLAMP		1	PC	38 g	BRSGU 32/20		MBN16016
	330	916016028200	CLAMP		1	PC	36 g	BRSGU 28/20		N16016
	340	304017010040	HEX SCREW		1	PC	22,6 g	M 10 X 25		ISO4017
	350	007349010002	WASHER		1	PC	11 g	10,5		DIN7349
	360	304017008077	HEX SCREW		1	PC	10,5 g	M 8 X 16		ISO4017
	370	000125008427	WASHER		2	PC	1,5 g	A 8,4		DIN125
	390	5582035340	RETAINER		1	PC	63,2 g			
	400	8711590571	SPACER		1	PC	38,5 g	M8/M8 X 20,25 X SW17		
	410	916016024201	CLAMP		1	PC	30 g	BRSGU 24/20		N16016
	420	916016022202	CLAMP		1	PC	27,8 g	BRSGU 22/20		N16016
	430	916016010203	CLAMP		1	PC	0,02 kg	BRSGU 10/20		N16016
	440	304017010040	HEX SCREW		1	PC	22,6 g	M 10 X 25		ISO4017
	450	000125010524	WASHER		1	PC	3,1 g	A 10,5		DIN125
	460	5500780453	SPACER SLEEVE		1	PC	13,6 g	9 X 16 X 13		
	470	304017008084	HEX SCREW		1	PC	16,4 g	M 8 X 35		ISO4017
	480	000125008427	WASHER		2	PC	1,5 g	A 8,4		DIN125
	500	8731590085	PROTECTIVE CAP		1	PC	28,9 g			
	520	136M55056/1	BRACKET H:78		1	PC	48 g			
	530	8711590271	SPACER		1	PC	65,6 g	M8/M8 X 35,25 X SW17		
	540	916016022202	CLAMP		1	PC	27,8 g	BRSGU 22/20		N16016
	550	000125013012	WASHER		1	PC	5,6 g	A 13		DIN125
	560	000000004744	HEX NUT		1	PC	14,3 g	M 12		ISO4032
	570	304017008077	HEX SCREW		1	PC	10,5 g	M 8 X 16		ISO4017
	580	000125008427	WASHER		2	PC	1,5 g	A 8,4		DIN125
	600	8202033143	RETAINER		1	PC	46,9 g			
	610	916016022202	CLAMP		1	PC	27,8 g	BRSGU 22/20		N16016
	620	000000003020	HEX SCREW		1	PC	20 g	M 10 X 20		ISO4017
	630	000125010524	WASHER		1	PC	3,1 g	A 10,5		DIN125
	640	204017008022	HEX SCREW		1	PC	10 g	M 8 X 14		ISO4017
	650	000125008427	WASHER		1	PC	1,5 g	A 8,4		DIN125
	670	8712001240	RETAINER		2	PC	24,3 g			
	680	916016018201	CLAMP		2	PC	15 g	BRSGU 18/15		N16016
	690	304017008077	HEX SCREW		2	PC	10,5 g	M 8 X 16		ISO4017
	700	000125008427	WASHER		2	PC	1,5 g	A 8,4		DIN125
	710	000000003387	HEX SCREW		2	PC	5,1 g	M 6 X 16		ISO4017
	730	5502030043	ANGLE		2	PC	31 g	H023		
	740	916016018202	CLAMP		2	PC	25,7 g	BRSGU 18/20		N16016
	750	304017008077	HEX SCREW		2	PC	10,5 g	M 8 X 16		ISO4017
	760	000125008427	WASHER		2	PC	1,5 g	A 8,4		DIN125
	780	8711591240	RETAINER		1	PC	20,8 g			
	790	5512030150	SPACER BUSHING		1	PC	5,6 g			
	800	916016008200	CLAMP		1	PC	9,4 g	BRSGU 8/15		N16016

☐	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
	810	000000001444	HEX SCREW		1	PC	6 g		M 6 X 20	ISO4017
	820	000125006431	WASHER		1	PC	0,8 g		A 6,4	DIN125
	840	8712033040	RETAINER		1	PC	36,7 g			
	850	916016008200	CLAMP		1	PC	9,4 g		BRSGU 8/15	N16016
	860	000000003387	HEX SCREW		1	PC	5,1 g		M 6 X 16	ISO4017
	870	000125006431	WASHER		1	PC	0,8 g		A 6,4	DIN125
	890	8370701240	RETAINER		1	PC	24 g			
	900	916016008202	CLAMP		1	PC	17,9 g		BRSGU 8/20	N16016
	910	304017008077	HEX SCREW		1	PC	10,5 g		M 8 X 16	ISO4017
	920	000125008427	WASHER		1	PC	1,5 g		A 8,4	DIN125
	940	5502034540	BRACKET L H:27 VENT LINE TO TANK		1	PC	36,8 g			
	950	8711590571	SPACER		1	PC	38,5 g		M8/M8 X 20,25 X SW17	
	960	916016020202	CLAMP		2	PC	26,7 g		BRSGU 20/20	N16016
	970	304017008077	HEX SCREW		1	PC	10,5 g		M 8 X 16	ISO4017
	980	000125008427	WASHER		2	PC	1,5 g		A 8,4	DIN125
	990	304032008014	NUT HEX 8 A3C		1	PC	4,8 g		M 8	ISO4032
	1010	5502030043	ANGLE		1	PC	31 g		H023	
	1020	916016012201	CLAMP		1	PC	21 g		BRSGU 12/20	N16016
	1030	304017008077	HEX SCREW		2	PC	10,5 g		M 8 X 16	ISO4017
	1040	000125008427	WASHER		2	PC	1,5 g		A 8,4	DIN125
	1060	916016012201	CLAMP		1	PC	21 g		BRSGU 12/20	N16016
	1070	304017008079	HEX SCREW		1	PC	11,7 g		M 8 X 20	ISO4017
	1080	000125008427	WASHER		1	PC	1,5 g		A 8,4	DIN125
	1100	916016008202	CLAMP		1	PC	17,9 g		BRSGU 8/20	N16016
	1110	304017008079	HEX SCREW		1	PC	11,7 g		M 8 X 20	ISO4017
	1120	000125008427	WASHER		1	PC	1,5 g		A 8,4	DIN125
	1140	916016008202	CLAMP		1	PC	17,9 g		BRSGU 8/20	N16016
	1150	304017008079	HEX SCREW		1	PC	11,7 g		M 8 X 20	ISO4017
	1160	000125008427	WASHER		1	PC	1,5 g		A 8,4	DIN125
	1180	007349005002	WASHER		2	PC	2,3 g		5,3	DIN7349
	1190	913002005002	NUT		2	PC	1,1 g		M 5	N13002
	1210	916016006201	CLAMP		1	PC	7,7 g		BRSGU 6/15	N16016
	1220	304017006035	HEX SCREW		1	PC	4,2 g		M 6 X 10	ISO4017
	1230	000125006431	WASHER		1	PC	0,8 g		A 6,4	DIN125
	1250	916016006201	CLAMP		2	PC	7,7 g		BRSGU 6/15	N16016
	1260	304017006035	HEX SCREW		2	PC	4,2 g		M 6 X 10	ISO4017
	1270	000125006431	WASHER		2	PC	0,8 g		A 6,4	DIN125
	1290	5500750240	RETAINER		1	PC	60 g			
	1300	000000002853	CLAMP		1	PC	16,8 g		BRSGU 6/20	MBN16016
	1310	304017008077	HEX SCREW		1	PC	10,5 g		M 8 X 16	ISO4017
	1320	000125008427	WASHER		1	PC	1,5 g		A 8,4	DIN125
	1340	0005312081	QUICK-CATCH CLAMP	TYH/TYB 24M	50	PC	0,6 g		140X3,6X1,1MM D=2-29MM	

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	10	0365450028	MALE CONNECTOR		1	PC	175 g		
	20	0065451828	SOCK. PLUG		3	PC	28,8 g		
	30	3805450226	SOCKET		1	PC	10,1 g		
163	40	0015454826	FEMALE CONNECTOR		2	PC	0,7 g		
	50	0009903654	NUT		1	PC	19,3 g		
	60	3809900140	WASHER		1	PC	1 g		
	70	0205458628	CONNECTOR HOUSING F/SPEED TRANSMITTER	BR 183	1	PC	7,4 g		
164	80	0045454826	FEMALE CONTACT F/SPEED TRANSMITTER	BR 183	2	PC	0,8 g	0.5-1.0QMM	
	90	6559900054	NUT F/SPEED TRANSMITTER	BR 183	1	PC	15,1 g		
	100	0005454680	SEALING RING F/SPEED TRANSMITTER	BR 183	2	PC	0,3 g	1,4-2,1 MM	
	110	0001592079	CABLE TERMINAL		2	PC	2,2 g	2,7-6,6QMM/M5 GELB	
	120	0001592179	CABLE TERMINAL		1	PC	2,3 g	2,7-6,6MM², GELB, M6	
	130	0001591779	CABLE SHOE		1	PC	1 g	1-2,6QMM/M5	
	140	0001592348	CONNECTOR END HSG.		1	PC	52,8 g		
	150	0001592748	CONNECT END-HOUSING		1	PC	3,9 g	FT, 222K132, T18D002A, 90°	
	160	0001590648	CONNECT END-HOUSING		2	PC	3,7 g	FT,202K132,T18A003A,KURZ	
	170	0001590748	CONNECT END-HOUSING		1	PC	4,7 g	FT,202K142,T18A004A, GER.	
	180	0005460235	PROTECTIVE CAP		2	PC	4,1 g		
	190	0001541185	GUARD CAP		1	PC	4,4 g		
	200	0001595148	BRANCH PARTS AFTER V		1	PC	17,2 g		
	210	0001596548	BRANCH PIECE		2	PC	2 g	VG95343T19C001A 382A012 6-3-3	
	220	0001596648	BRANCH PIECE		1	PC	14,8 g	VS,VG95343T19C002A,382A023	
	230	0001594448	BRANCH PIECE		2	PC	5,6 g	VS,301A022,T19A010A,T,7-7-7	
	240	0001597048	BRANCH PIECE		1	PC	2,4 g	VG95343T19D001A,462A011,6.5-3.5	
	250	50482	PIPE		58,600	M	22,4 g	1,5 MM2	VG95218
	260	50484	PIPE		17,700	M	25,7 g	2X 1,2 MM2 VERSEILT	VG95218
	270	0001593632	ELECTRIC CABLE		13,400	M	0,017 kg		
	280	50016	SHRINKABLE HOSE		3,950	M	90 g	1 IN	
	290	50187	SHRINKABLE HOSE		620	MM	60 g	3/4 IN	
	300	50015	SHRINKABLE HOSE		2,730	M	35 g	1/2 IN	
	310	50010	SHRINKABLE HOSE		1,500	M	25 g	3/8 IN	
	320	50185	SHRINKABLE HOSE		1,250	M	24,6 g	3/8 IN	
	330	50005	SHRINKABLE HOSE		375	MM	15 g	1/4 IN	
	340	0001597281	CABLE MARKER		600	MM	0,015 kg	RMK6-WM, B=50.8MM	
	350	0005450383	CAP	CA31	15	PC	0,1 g	BS,VG95234,AWG16,BLAU	
	360	50169	SHRINKABLE HOSE		60	MM	30 g	1 IN	
	370	50160	SHRINKABLE HOSE		315	MM	9,6 g	3/8 IN	
	380	3805460335	PROTECTIVE CAP		1	PC	7,7 g		
	390	0035315081	QUICK-CATCH CLAMP	T18HS_102X2,5MM	1	PC	0,3 g	L	

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
FEMALE CONNECTOR

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 0015454826

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT
	5	0015388330	ASSEMBLY TOOL	AMP ERGO	1	PC	616,2 g	AB	BASISZANGE ALS MATRIZENTRAEGER
	10	0025381330	ASSEMBLY TOOL	ERGO	1	PC	200 g	AB	F. 4MM KONTAKT AMP 62734

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
FEMALE CONTACT F/SPEED TRANSMITTER

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: 0045454826

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT
	5	0025380530	ASSEMBLY TOOL		1	PC	445 g	AB	FUER KONTAKT 004 545 48 26
	10	0015388030	ASSEMBLY TOOL	ECONOSEAL	1	PC	1 g	AB	F. 4MM KONTAKTE ECONOSEAL

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

APPLIANCE CABLE

FG/FGS:

BOM-No.: X52350700010

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	10	0125453828	PLUG CONNECTOR G36	1	PC	330,5 g		
	20	0001592448	CONNECTOR END HSNB	1	PC	96,4 g		
	30	0001593232	ELECTRIC CABLE	4,700	M	2,57 kg	4*50MM^2, NICHT VG95218T027B026	
	40	0001598648	BRANCH	1	PC	57,5 g		
	50	700500001097	CRIMPED TERMINAL LUG	2	PC	78,9 g	150 MM2 LOCH 13	MMN500
	60	50006	SHRINKABLE HOSE	1,800	M	65 g	3/4 IN	
	70	50095	SHRINKABLE HOSE	200	MM	210 g	1 1/2 IN	
	80	50559	SHRINKABLE HOSE	80	MM	75 g	T 05 A 011 C	VG95343
	90	0001597281	CABLE MARKER	440	MM	0,015 kg	RMK6-WM, B=50.8MM	
	100	50171	SHRINKABLE HOSE	60	MM	80 g	2 IN	
	110	50166	SHRINKABLE HOSE	70	MM	55 g	1 1/2 IN	

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

APPLIANCE CABLE

FG/FGS:

BOM-No.: X52350700011

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
	10		CABLE TERMINAL	1	PC	70 g	KE		
	20		CABLE TERMINAL	1	PC	70,5 g	KE		
	30	0001593432	ELECTRIC CABLE	660	MM	1,225 kg		95MM^2, VG95218 T025 G 003	
	40	50016	SHRINKABLE HOSE	200	MM	90 g		1 IN	
	50	50558	SHRINKABLE HOSE	80	MM	75 g		T 05 A 011 G	VG95343
	60	50169	SHRINKABLE HOSE	95	MM	30 g		1 IN	
	70	0001597281	CABLE MARKER	180	MM	0,015 kg		RMK6-WM, B=50.8MM	

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

APPLIANCE CABLE

FG/FGS:

BOM-No.: X52350700012

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	10	43438	CRIMP CABLE TERMINAL		2	PC	9,9 g	16 MM2 LOCH 10,5	
	20	50479	PIPE		260	MM	119,9 g	10 MM2	VG95218
	30	50010	SHRINKABLE HOSE		260	MM	25 g	3/8 IN	
	40	50015	SHRINKABLE HOSE		60	MM	35 g	1/2 IN	
	50	0015310582	SHRINKABLE HOSE	SSCHL. 18/6-6 BL	60	MM	22,8 g	18/6MM, BLAU	
	60	50159	SHRINKABLE HOSE		95	MM	13 g	1/2 IN	
	70	0001597281	CABLE MARKER		90	MM	0,015 kg	RMK6-WM, B=50.8MM	

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

APPLIANCE CABLE

FG/FGS:

BOM-No.: X52350700013

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT
	10	0095455828	PLUG CONNECTOR G14S	1	PC	44,2 g	
	20	0045457828	PLUG CONNECTOR G14S	1	PC	41 g	
	30	0001592848	CONNECT END-HOUSING	1	PC	11,5 g	FT,222K142,T18D003A,90°
	40	0001590748	CONNECT END-HOUSING	1	PC	4,7 g	FT,202K142,T18A004A, GER.
	50	0001594832	ELECTRIC CABLE	4,800	M	148,5 g	
	60	50159	SHRINKABLE HOSE	105	MM	13 g	1/2 IN
	70	0001597281	CABLE MARKER	135	MM	0,015 kg	RMK6-WM, B=50.8MM

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

APPLIANCE CABLE

FG/FGS:

BOM-No.: X52350700014

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	FN	MEASUREMENT	STANDARD
	10	0055459528	PLUG CONNECTOR G20		1	PC	99,2 g			
	20	0001530622	HOUSING		1	PC	23,8 g			
	30	0115457626	CONTACT SPRING		12	PC	0,4 g	AB	2,5 MM²	
	40	0015453180	GASKET		12	PC	1 g			
	50	0005461569	BLANKING PLUG		3	PC	0,1 g			
	60	0001590848	CONNECT END-HOUSING		1	PC	7,5 g		FT,202K153,T18A005A, GER.	
	70	0445451028	CONNECTOR HOUSING	8V199TE20	1	PC	50 g			
	80	50484	PIPE		13,100	M	25,7 g		2X 1,2 MM2 VERSEILT	VG95218
	90	50482	PIPE		52,400	M	22,4 g		1,5 MM2	VG95218
	100	50006	SHRINKABLE HOSE		6,400	M	65 g		3/4 IN	
	110	0001597281	CABLE MARKER		210	MM	0,015 kg		RMK6-WM, B=50.8MM	
	120	0005450383	CAP	CA31	7	PC	0,1 g		BS, VG95234, AWG16, BLAU	
	130	50175	SHRINKABLE HOSE		105	MM	20 g		3/4 IN	

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
SPEED MONITORING SYSTEM

SERIAL NUMBER: 522.952-00-565564
FG/FGS: 512

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

90

SPEED TRANSMITTER

510.00601

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
SPEED TRANSMITTER

SERIAL NUMBER: 522.952-00-565564
FG/FGS: 512 90
BOM-No.: 510.00601

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT
	5	0011532120	SPEED TRANSMITTER	2	PC	42,4 g	
	10	9755420050	BUSHING	2	PC	4,4 g	
	15	0229979548	O-RING	2	PC	1,8 g	15,5 X 4,5

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
LEVEL MONITORING SYSTEM

SERIAL NUMBER: 522.952-00-565564
FG/FGS: 519

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

90

LEVEL SWITCH

510.00612

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

LEVEL SWITCH

FG/FGS: 519

90

BOM-No.:

510.00612

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
	30	0005352703	LEVEL MONITOR	WS24-1A-3S-KS	2	PC	250 g	KABELSCHWANZ 450MM MIT STECK.	
	40	007603018101	COPPER SEALING RING		2	PC	1,3 g	A 18 X 22	DIN7603

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

GOVERNOR RELATED DATA

FG/FGS: 540

GROUP SEGMENT (FGS)

GROUP NAME

BOM-No.

06

ENGINE TIMING

XS523540.00004

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
ENGINE TIMING

SERIAL NUMBER: 522.952-00-565564

FG/FGS: 540 06

BOM-No.: XS523540.00004

	POS.	PART NO.	DESIGNATION	MODEL/TYPE	QTY.	UNITS	WEIGHT	MEASUREMENT	STANDARD
178	20	X52354100005	CONTROL UNIT	8V199TE20 SPRAT	1	PC	1,69 kg		
	40	910105008018	HEX SCREW		1	PC	0,022 kg	M 8X 40	MBN10105
	50	0001530681	RUBBER BUFFER		2	PC	12,7 g		

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

XX

FG/FGS: XX

GROUP NUMBER (FG)

GROUP NAME

BOM-No.

NOZZLE HOLD. W. NOZZLE

505.137/09

CONTROL UNIT

X52354100005

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20
CONTROL UNIT

SERIAL NUMBER: 522.952-00-565564

FG/FGS:

BOM-No.: X52354100005

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT
179	20	5235840621	PLATE SELF-ADHESIVE	1	PC	1 g

EQUI TYPE: Engine

PRODUCT TYPE: 8V199TE20

SERIAL NUMBER: 522.952-00-565564

PLATE SELF-ADHESIVE

FG/FGS:

BOM-No.: 5235840621

	POS.	PART NO.	DESIGNATION	QTY.	UNITS	WEIGHT	MEASUREMENT
	5	5235840521	PLATE SELF-ADHESIVE	1	PC	1 g	40 X 60

GROUP NUMBER (FG)

GROUP NAME

BOM-No.

ZYLINDERKURBELGEHAEUSE V8
505.101/11STEUERGEHAEUSE FUER NEBENABTRIEB UND WSK
505.102/09CYLINDER HEAD COVER
505.103/02CRANKSHAFT
505.104/02PLEUELSTANGE V8 SYMMETRISCHER SCHAFT,LAS
505.105/08NOCKENWELLE V8 NW-RAD EINSATZG.
505.107/14STECKPUMPE V8
505.108/02SV OIL PAN
505.113/19PLEUELLAGER V8 DAIDO
505.115/05HAUPTLAGER V8 DAIDO
505.116/08SCHWUNGRAD MIT ANSCHLUSS NACH SAE J 620
505.120/04OELSPRITZDUESE V8
505.121/02SV PISTON
505.123/15CRANKSHAFT
505.124/02ENGINE BLOCK AND CRANKCASE
505.125/01ENGINE BLOCK AND CRANKCASE
505.125/03

GROUP NUMBER (FG)

GROUP NAME

BOM-No.

CYLINDER HEAD

505.126/18

LUFTPRESSER V2-ZYLINDER 600 CCM

505.129/02

SV CRANKCASE

505.136/01

PARAMETERIZATION EMERGENCY SPEED

505.140/08

CONFIGURATION DATA PROP 2 F HYDR KODR

505.140/28

SPANNBUEGEL F.EINSPRITZDUESE U.KODRO V8

505.141/02

CYLINDER HEAD COVER

505.146/01

KRAFTSTOFFDRUCKLEITUNG V8

505.151/02

ENGINE SUSPENSION

505.153/01

AUFHAENGEOESE V8 VORNE UND HINTEN SERIE

505.164/02

SV CONSTANT THROTTLE LINE

505.168/11

ZYLINDERLAUFBUCHSE V8 MIT HAERTEWULST F.

505.191/09

ZYLINDERKOPFDICHTUNG V8 HOHE ELASTOMERE

505.192/05

KONSTANTDROSSELBETAETIGUNG V8

505.202/02

ENGINE DATA RECORD 560KW2700NM MTU V06

505.206/08

TEST RUN

800.00027