

# Spare Parts Catalog 4 WG 210

Material number: 4657.054.048

Current date: 11.08.2021

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#### Notes relating to the spare parts catalog

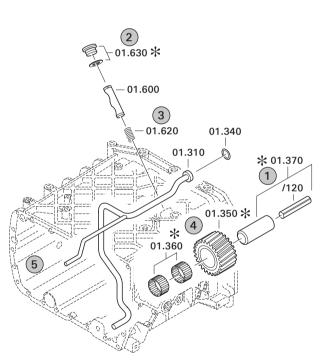


#### Setup of the spare parts catalog

- Cover sheet
- Tecnical Cover (only in SDM print)
- Overview of figures
- Figure
- Associated parts list
- Next figure
- Associated parts list

- ..

#### Figure and parts list



#### Overview of figures

Bildtafel Figure	Sachnummer Benennung Product number (Description)		Technische Info Technical info	Description (Benennung)	Menge Quantity	Einheit Unit
068.08.17	8.08.17 1316.170.001 AUSLEGER		WL	SHIFT TURRET	1	Stk
068.08.06	3.08.06 1316.170.031 DECKEL		WL*H-H *VM	COVER	1	Stk
0680814	1316.170.808	DECKEL	WL*AUSL+GEH*H-H*HF160N	COVER	1	Stk
08	1316.170.441	ANSCHLUSSTEILE	WL*NG-VORB*RG-SCHL*168N *BAJONETT	CONNECTING PARTS	1	Stk

The "gap" indicates that there is no separate graphics panel (poster) for this assembly The parts of this assembly are shown with the same mid-section number on the figure

#### 1 Positions and subpositions

Pos.	Sachnummer Product number	Benennung (Description)		Description (Benennung)	Menge Quantity	Einheit Unit
0370	1315.201.054	RUECKLAUFBOLZEN	KPL.16S151*SG*L= 79	REV.IDLER SHAFT	1	Stk
/0120	0631.329.293	SPANNSTIFT		SLOT. PIN	1	Stk

Positions marked with "/" are the individual items of a completion For example: Position 0370 contains a centering pin with the position /0120

#### 2 Combinations with standardized parts

		Sachnummer Product number	Benennung (Description)		Description (Benennung)	Menge Quantity	Einheit Unit
(	0630		VERSCHL.SCHR.		SCREW PLUG	1	Stk
		0636.302.067	VERSCHL.SCHR.		SCREW PLUG	1	Stk
		0634.801.249	DICHTRING	A 26 X 31	SEALING RING	1	Stk

The parts list shows the components included in the combination of standardized parts

#### 3 Depiction of position/item number on the figure and in the parts list

01.620 - on the figure 01 relates to the assembly in which the position is included. Due to program-related reasons, it is shown on the figure.

#### 0620 - in the parts list

Pos.	Sachnummer Product number	Benennung (Description)	Description (Benennung)	Menge Quantity	Einheit Unit
0620	0732.040.736	DRUCKFEDER	COMPRESSION SPRING	1	Stk

#### (4) \*-Positions

Positions marked with an \* are optional i.e. inclusion in the parts list is not mandatory. The following note is shown on the figure

je nach Stücklistenausführung depending on spec. number suivant la nomenclature secondo la distina base

#### (5) Parts, dotted display

Parts with dotted display on the figure are only used for orientation of other parts

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Pos.	Information	Amendment number
	CUSTOMER: HITACHI-FURUKAWA-LOADERS	
	STATE: FRANCE	
	CUSTOMER NO.: 61131	
	ZFP-PROJECT-NO.: 35328	
	VEHICLE DATA:	
	PERFORMANCE CALC.: 4657 706 690	
	ARTICLE: 321 RADLADER	
	VEHICLE APPLICATION: RADLADER LX 230E	
	WEIGHT EMPTY (TO): 21,3	
	ENGINE: ISUZU 6D1TC NETTO	
	ENGINE POWER(KW): 228	
	SPEED (RPM): 2000	
	INPUT TORQUE(NM): 1216	
	SPEED (RPM): 1600	
	TIRES: 26.5X25	
	TIRE RADIUS (M): 0.805	
	AXLE RATIO: 26.664	
	MAX. SPEED (KM/H): 34	
	V-MAX. 1. GEAR (KM/H): 7	
	MAX. DRAW. PULL: 167396	
	CONV.OUTP.STALL(RPM): 2122	
	PERFORMANCE CALC.: NO	
	AGGREGAT DATA:	
	VERSION STANDARD	
	TRANSMISSION TYPE 4 WG 210	
	RATIOS FORWARD 1.GEAR: 3,632	
	RATIOS FORWARD 2. GEAR: 2,184	
	3. GEAR FORWARD: 1,072	
	4. GEAR FORWARD: 0,636	
	1. GEAR REVERSE: 3,444	
	2. GEAR REVERSE: 2,071	
	3. GEAR REVERSE: 1,017	
	NUMBER OF PULSES ENGIN: 4	

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Pos.	Information	Amendment number
	NUMBER OF PULSES TURB: 54	
	NUMBER OF PULSES MRK: 55	
	NUMBER OF PULSES OUTP.: 49	
	CONVERTER: W 340	
	CONVERTER BASIS NR. 034 H 090	
	LOCK-UP CLUTCH: WITHOUT	
	START. TORQUE RATIO: 2,10	
	STATOR (CONVERTER): WITHOUT	
	RETARDER: WITHOUT	
	INPUT: ENGINE MOUNTED	
	ENGINE: ISUZU	
	SAE-CONNECTION: SAE 2 4657 500 082	
	OUTPUT: STANDARD	
	OUTPUT LEFT: WITHOUT AXLE DISCONNECT	
	OUTPUT FLANGE: MECHANIC	
	OUTPUT FLANGE-TYPE: MECH 8,5 C	
	OUTPUT RIGHT: PARKING BRAKE WITH	
	DISC BRAKE: HYDR.W.SPRING-STORE SAHR FSG90	
	PRESSURE CONNECTION: M 10 X 1	
	RELEASE PRESSURE: 120 150	
	MEDIUM: HYDRAULIK OIL DIN 51525	
	OUTPUT FLANGE: MECHANIC	
	OUTPUT FLANGE-TYPE: MECH 8,5 C	
	POWER TAKE OFF: 2 PTO ENGINE-DEPENDENT	
	DISCONNECTION: WITHOUT	
	FLANGE : SAE C 2/4 HOLE	
	SHAFT: SAE B 16/32 DP 13 T	
	DISCONNECTION: WITHOUT	
	FLANGE: SAE B 2 LOCH	
	SHAFT: SAE B 16 32DP13Z	
	GEAR CHANGE CONTROL: HSG 94	
	VOLTAGE: 24 VOLT	
	OPERATING PRESSURE: 16+2 BAR	

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Pos.	Information	Amendment number
	CABLE PACKAGE: BAJONETT	
	CONTROL SYSTEM:	
	ELEKTRIK PARTS DELIVERY WITH GEARBOX	
	GROUP SEPARATE SUPPLY: 4657 183 055	
	SEPARATE ORDER: DW-3 0501 210 702	
	CONTROL SYSTEM EST 37	
	VEHICLE SUPPLY VOLTAGE: 24 VOLT	
	GEAR SELECTOR: DW 3	
	DISPLAY: INTEGRATED ASSEMBLY	
	WIRING: WITHOUT	
	TEMP.WARNING INDICATOR: WITHOUT	
	OPTIONAL	
	SPEED CONTROL: ELECT EST 37	
	MOUNTING OIL LEV. TUBE: WITHOUT	
	ZF-FILTER: DIRECT MOUNTING	
	ADDITIONAL FILTER WITHOUT	
	DIFFERENTIAL PRESSURE S WITH (CLOSING SWITCH)	
	EMERGENCY STEERING PUMP WITH	
	FLOW RATE: 32 CM <sup>3</sup> /U	
	CONSTANT FLOW: 50 DM <sup>3</sup> /MIN	
	EMERGENCY STEERING PUMP AXIAL	
	GEAR VENT: LONG	
	DOCUMENTATION GEAR BOX: YES	
	SECTION DRAWING: 4657 500 012	
	INSTALL ALTERNATIVES: CUSTUMER SPECIFY	
	INSTALL.DRAWING: 4657 654 048	
	GEARBOX DIAGRAM: 4657 700 034	
	OIL CIRCUIT DIAGRAMM: 4657 700 040	
	ASSEMBLY-GUIDELINE: 4657 700 079	
	DOCU. CONTROL UNIT:	
	DRAWING 6009 665 002	
	DRAWING GEAR SEL. 1: 6006 630 033	
	CONNECTION DIAGRAMM: 6006 700 564	

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Pos.	Information	Amendment number
	WIRING DIAGRAMM: 6029 701 219	
	CONNECTION DIAGRAMM: 6029 701 218	
	DRAWING DISPLAY: 6007 603 047	
	OIL CAPACITY: 27	
	GEARBOX OIL CAPACITY: WITHOUT	
	OIL-CLASS: TE ML 03	
	GETRIEBE-TROCKENMASSE:KG	
	PRIME COAT: ANTHRAZITGRAU RAL 7016	
	MOUNTING HINTS:4657 500 135	

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Graphics	Pos.	Material number	Name	Quantit y	Amend. no.	Techn. Info.
	10	0501.211.070	BRAKE	1		
	40	4657.271.009	COUPLING	1		
	40	4657.272.005	COUPLING	1		
	40	4657.272.005	COUPLING	1		
	40	4657.274.016	CLUTCH	1		
	40	4657.275.010	CLUTCH	1		
	40	4657.275.010	CLUTCH	1		
4657130062 00	270	4657.130.062	ENGINE CONNECTION	1		
4166034181 00	500	4166.034.181	CONVERTER	1		
4657102014 00	30	4657.102.014	INPUT	1		
4657122005 00	220	4657.122.005	PRESSURE OIL PUMP	1		
4657101034 01	10	4657.101.034	TRANSMISSION HOUSING	1		
4657101409 00	20	4657.101.409	TRANSMISSION HOUSING	1		
4657171027 00	350	4657.171.027	COUPLING	1		
4657172023 00	360	4657.172.023	COUPLING	1		
4657173021 00	370	4657.173.021	COUPLING	1		
4657174037 00	380	4657.174.037	COUPLING	1		
4657175014 00	390	4657.175.014	COUPLING	1		
4657176017 00	400	4657.176.017	COUPLING	1		
4657103006 00	50	4657.103.006	OUTPUT	1		

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Graphics	Pos.	Material number	Name	Quantit y	Amend. no.	Techn. Info.
4657103418 00	60	4657.103.418	OUTPUT	1		
4656109002 00	170	4656.109.002	PARKING BRAKE	1		
4657109406 00	70	4657.109.406	PARKING BRAKE	1		
4657155003 00	340	4657.155.003	POWER TAKE-OFF	1		
4657155410 00	345	4657.155.410	POWER TAKE-OFF	1		
4657155401 00	348	4657.155.401	POWER TAKE-OFF	1		
4657106017 00	110	4657.106.017	SHIFT SYSTEM	1		
4657106407 20	115	4657.106.407	SHIFT SYSTEM	1		
4656159019 21	120	4656.159.019	SHIFT SYSTEM	1		
4657123003 00	225	4657.123.003	CONTROL UNIT	1		
4657120003 00	190	4657.120.003	PRESSURE REGULATOR	1		
4656138006 00	330	4656.138.006	FILTER	1		
4657124001 00	240	4657.124.001	TEMPERATURE SENSOR	1		
4657125002 00	250	4657.125.002	INDUCTIVE SENSOR	1		
4657107003 00	130	4657.107.003	SPEEDOMETER	1		
4657137005 00	310	4657.137.005	EMERGENCY STEERING PUMP	1		

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Graphics	Pos.	Material number	Name	Quantit y	Amend. no.	Techn. Info.
4657131006 00	290	4657.131.006	FILLER NOZZLE	1		
4657131401 00	300	4657.131.401	FILLER NOZZLE	1		
4657183055 00	495	4657.183.055	LOOSE PARTS	1		

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Material number: 4657.054.048

Material-assembly-group-no: 0501.211.070



	POS.	Material number	Customer material	Name	Quantity	ME	Amend. no.	Techn. Info.	Rep kit	Alternative material
		0501.317.036		PISTON	1					
		0501.317.037		PRESSURE RING	1					
Ħ.		0501.317.038		PRESSURE PIN	1					
		0501.317.040		MAGNET	2					
		0501.317.041		TOLERANCE RING	2					
		0501.317.045		CUP SPRING	6					
	-	0501.317.046		O-RING	1					
	1	0630.502.075		RETAINING RING	1			92X3		
		0501.331.455		SCREW CAP	1					
		0501.317.049		O-RING	1					
		0501.209.288		BREATHER	1					
		0501.317.060		SET SCREW	1					
		0501.317.061		HEXAGON NUT	1					
		0501.317.572		PIN	2					
		0501.317.573		SPRING COTTER	2					
ä	260	0501.211.346		BRAKE LINING KIT	1					

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Material number: 4657.054.048

Material-assembly-group-no: 4657.271.009



	Pos.	Material number	Customer material	Name	Quantity	ME	Amend. no.	Techn. Info.	Rep kit	Alternative material
Ħ	72	0501.316.541		CUP SPRING	7			68,500X89,000X1,400		
¥	90	0501.324.228		L-RING	1					
	106	0501.212.371		FRICTION DISC	1					
	110	0501.212.370		DISC	9					
	120	0501.316.592		INNER CLUTCH DISK	9					
Ħ.	130	4657.371.045		END SHIM	1			Z=34		
	150			SNAP RING	1					
Ħ.		0730.513.702		SNAP RING	1			h=2,25		
Ħ.		0730.513.703		SNAP RING	1			h=2,4		
Ħ.		0730.513.704		SNAP RING	1			h=2,55		
Ħ.		0730.513.705		SNAP RING	1			h=2,7		
Ħ.		0730.513.706		SNAP RING	1			h=2,85		
Ħ.		0730.513.707		SNAP RING	1			h=3,0		
Ħ.		0730.513.708		SNAP RING	1			h=3,15		
¥.		0730.513.709		SNAP RING	1			h=3,30		
Ħ.		0730.513.710		SNAP RING	1			h=3,45		
Ħ.		0730.513.711		SNAP RING	1			h=3,60		
Ħ.		0730.513.712		SNAP RING	1			h=3,75		
Ħ.		0730.513.713		SNAP RING	1			h=3,90		
Ħ.		0730.513.714		SNAP RING	1			h=4,05		
Ħ.		0730.513.715		SNAP RING	1			h=4,20		

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Material number: 4657.054.048

Material-assembly-group-no: 4657.272.005



	Pos.	Material number	Customer material	Name	Quantity	ME	Amend. no.	Techn. Info.	Rep kit	Alternative material
	72	0501.316.541		CUP SPRING	7			68,500X89,000X1,400		
Ħ.	90	0501.324.228		L-RING	1					
Ħ.	106	0501.212.373		OUTER CLUTCH DISK	1					
	110	0501.212.372		DISC	7			h=2.5		
	120	0501.316.591		INNER CLUTCH DISK	7					
ä	130	0501.316.594		END SHIM	1					
	150			SNAP RING	1					
ä		0730.513.684		SNAP RING	1			h=2,10		
Ħ.		0730.513.685		SNAP RING	1			h=2,25		
Ħ.		0730.513.686		SNAP RING	1			h=2,40		
Ħ.		0730.513.687		SNAP RING	1			h=2,55		
Ħ.		0730.513.688		SNAP RING	1			h=2,70		
Ħ.		0730.513.698		SNAP RING	1			h=2.85		
ä		0730.513.689		SNAP RING	1			h=3,00		
Ħ.		0730.513.690		SNAP RING	1			h=3,15		
Ħ.		0730.513.691		SNAP RING	1			h=3,30		
ä		0730.513.692		SNAP RING	1			h=3,45		
ä		0730.513.693		SNAP RING	1			h=3,60		
ä		0730.513.694		SNAP RING	1			h=3,75		
Ħ.		0730.513.695		SNAP RING	1			h=3,90		
ä		0730.513.696		SNAP RING	1			h=4,05		
ä		0730.513.697		SNAP RING	1			h=4,20		

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Material number: 4657.054.048

Material-assembly-group-no: 4657.272.005



	Pos.	Material number	Customer material	Name	Quantity	ME	Amend. no.	Techn. Info.	Rep kit	Alternative material
	72	0501.316.541		CUP SPRING	7			68,500X89,000X1,400		
Ħ.	90	0501.324.228		L-RING	1					
Ħ.	106	0501.212.373		OUTER CLUTCH DISK	1					
	110	0501.212.372		DISC	7			h=2.5		
	120	0501.316.591		INNER CLUTCH DISK	7					
ä	130	0501.316.594		END SHIM	1					
	150			SNAP RING	1					
ä		0730.513.684		SNAP RING	1			h=2,10		
Ħ.		0730.513.685		SNAP RING	1			h=2,25		
Ħ.		0730.513.686		SNAP RING	1			h=2,40		
Ħ.		0730.513.687		SNAP RING	1			h=2,55		
Ħ.		0730.513.688		SNAP RING	1			h=2,70		
Ħ.		0730.513.698		SNAP RING	1			h=2.85		
ä		0730.513.689		SNAP RING	1			h=3,00		
Ħ.		0730.513.690		SNAP RING	1			h=3,15		
Ħ.		0730.513.691		SNAP RING	1			h=3,30		
ä		0730.513.692		SNAP RING	1			h=3,45		
ä		0730.513.693		SNAP RING	1			h=3,60		
ä		0730.513.694		SNAP RING	1			h=3,75		
Ħ.		0730.513.695		SNAP RING	1			h=3,90		
ä		0730.513.696		SNAP RING	1			h=4,05		
ä		0730.513.697		SNAP RING	1			h=4,20		

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Material number: 4657.054.048

Material-assembly-group-no: 4657.274.016



	Pos.	Material number	Customer material	Name	Quantity	ME	Amend. no.	Techn. Info.	Rep kit	Alternative material
	72	0501.316.541		CUP SPRING	7			68,500X89,000X1,400		
ä	90	0501.324.228		L-RING	1					
ä	106	0501.212.373		OUTER CLUTCH DISK	1					
	110	0501.212.372		DISC	6			h=2.5		
	120	0501.316.591		INNER CLUTCH DISK	6					
ä	130	0501.316.594		END SHIM	1					
	150			SNAP RING	1					
Ħ.		0730.513.684		SNAP RING	1			h=2,10		
ä		0730.513.685		SNAP RING	1			h=2,25		
Ħ.		0730.513.686		SNAP RING	1			h=2,40		
Ħ.		0730.513.687		SNAP RING	1			h=2,55		
ä		0730.513.688		SNAP RING	1			h=2,70		
Ħ.		0730.513.698		SNAP RING	1			h=2.85		
ä		0730.513.689		SNAP RING	1			h=3,00		
ä		0730.513.690		SNAP RING	1			h=3,15		
ä		0730.513.691		SNAP RING	1			h=3,30		
Ħ.		0730.513.692		SNAP RING	1			h=3,45		
Ħ.		0730.513.693		SNAP RING	1			h=3,60		
ä		0730.513.694		SNAP RING	1			h=3,75		
ä		0730.513.695		SNAP RING	1			h=3,90		
ä		0730.513.696		SNAP RING	1			h=4,05		
Ħ.		0730.513.697		SNAP RING	1			h=4,20		

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Material number: 4657.054.048

Material-assembly-group-no: 4657.275.010



	Pos.	Material number	Customer material	Name	Quantity	ME	Amend. no.	Techn. Info.	Rep kit	Alternative material
Ħ	74	0730.110.373		WASHER	1					
Ħ.	80	0730.011.028		SUPPORTING RING	1					
Ħ.	90	0732.042.711		COMPRESSION SPRING	1					
	92	0501.324.228		L-RING	1					
	106	0501.212.371		FRICTION DISC	1					
ä	110	0501.212.370		DISC	10					
	120	0501.316.592		INNER CLUTCH DISK	10					
Ħ.	130	4657.371.045		END SHIM	1			Z=34		
	150			SNAP RING	1					
¥		0730.513.702		SNAP RING	1			h=2,25		
Ħ.		0730.513.703		SNAP RING	1			h=2,4		
Ħ.		0730.513.704		SNAP RING	1			h=2,55		
Ħ.		0730.513.705		SNAP RING	1			h=2,7		
¥		0730.513.706		SNAP RING	1			h=2,85		
Ħ.		0730.513.707		SNAP RING	1			h=3,0		
Ħ.		0730.513.708		SNAP RING	1			h=3,15		
Ħ.		0730.513.709		SNAP RING	1			h=3,30		
¥		0730.513.710		SNAP RING	1			h=3,45		
Ħ.		0730.513.711		SNAP RING	1			h=3,60		
Ħ.		0730.513.712		SNAP RING	1			h=3,75		
Ħ.		0730.513.713		SNAP RING	1			h=3,90		
ä		0730.513.714		SNAP RING	1			h=4,05		
ä.		0730.513.715		SNAP RING	1			h=4,20		

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Material number: 4657.054.048

Material-assembly-group-no: 4657.275.010



	Pos.	Material number	Customer material	Name	Quantity	ME	Amend. no.	Techn. Info.	Rep kit	Alternative material
ä		0730.110.373		WASHER	1					
ä		0730.011.028		SUPPORTING RING	1					
ä		0732.042.711		COMPRESSION SPRING	1					
	92	0501.324.228		L-RING	1					
	106	0501.212.371		FRICTION DISC	1					
	110	0501.212.370		DISC	10					
	120	0501.316.592		INNER CLUTCH DISK	10					
ä	130	4657.371.045		END SHIM	1			Z=34		
	150			SNAP RING	1					
ä		0730.513.702		SNAP RING	1			h=2,25		
ä		0730.513.703		SNAP RING	1			h=2,4		
ä		0730.513.704		SNAP RING	1			h=2,55		
ä		0730.513.705		SNAP RING	1			h=2,7		
ä		0730.513.706		SNAP RING	1			h=2,85		
ä		0730.513.707		SNAP RING	1			h=3,0		
ä		0730.513.708		SNAP RING	1			h=3,15		
ä		0730.513.709		SNAP RING	1			h=3,30		
ä		0730.513.710		SNAP RING	1			h=3,45		
ä		0730.513.711		SNAP RING	1			h=3,60		
ä		0730.513.712		SNAP RING	1			h=3,75		
ä		0730.513.713		SNAP RING	1			h=3,90		
ä		0730.513.714		SNAP RING	1			h=4,05		
ä		0730.513.715		SNAP RING	1			h=4,20		

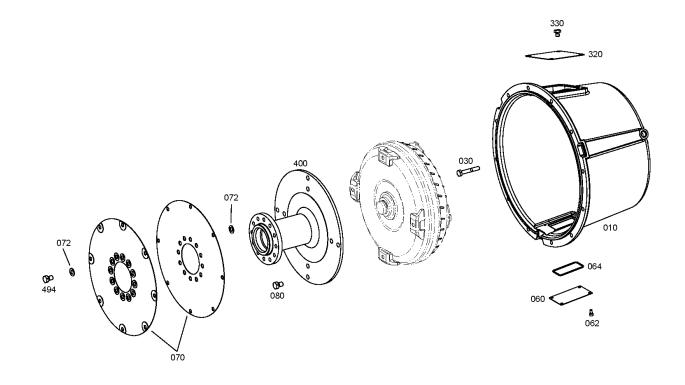
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Material number: 4657.054.048

Plant: 465713006200

Material-assembly-group-no: 4657.130.062





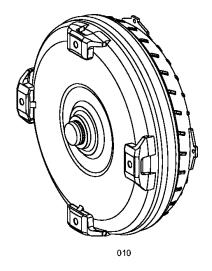
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Material number: 4657.054.048

Plant: 416603418100

Material-assembly-group-no: 4166.034.181





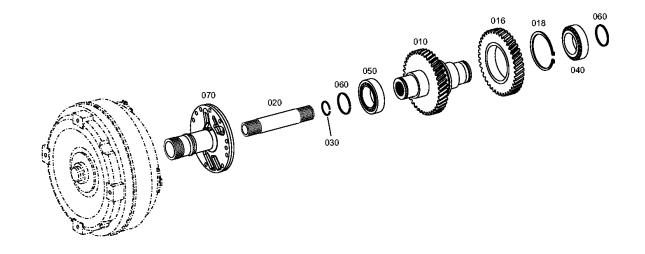
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Plant: 465710201400

Material-assembly-group-no: 4657.102.014





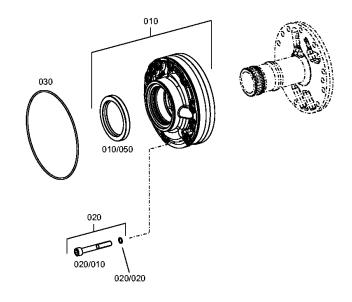
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Plant: 465712200500

Material-assembly-group-no: 4657.122.005





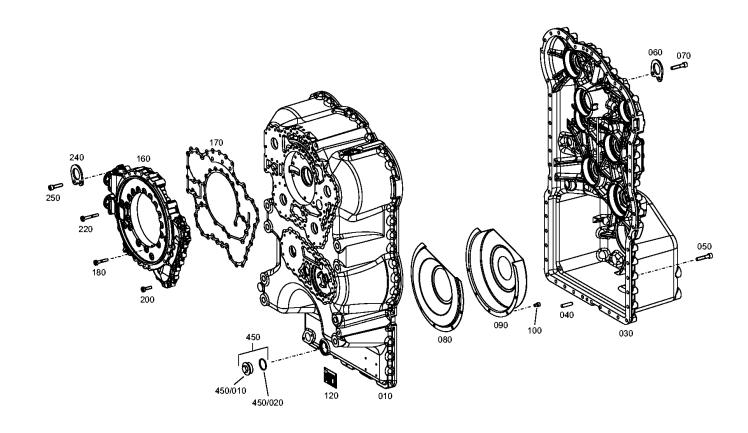
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Plant: 465710103401

Material-assembly-group-no: 4657.101.034





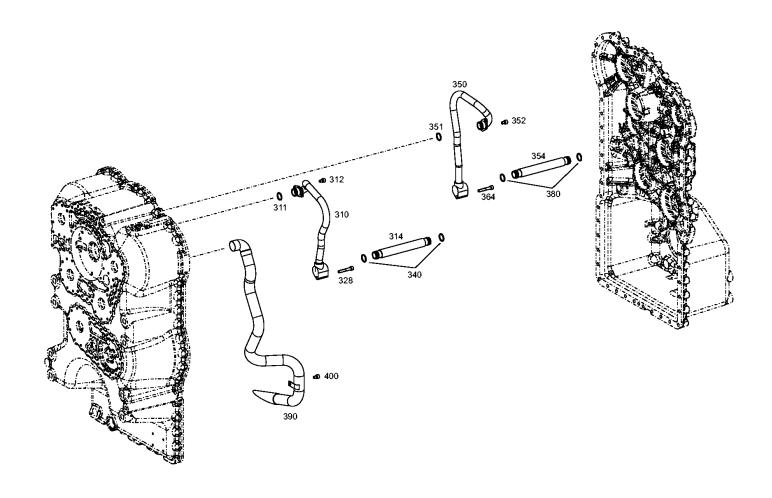
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Plant: 465710103402

Material-assembly-group-no: 4657.101.034

4 WG 210 / TRANSMISSION HOUSING



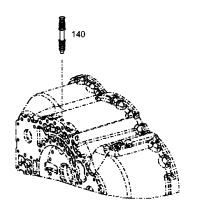
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Plant: 465710140900

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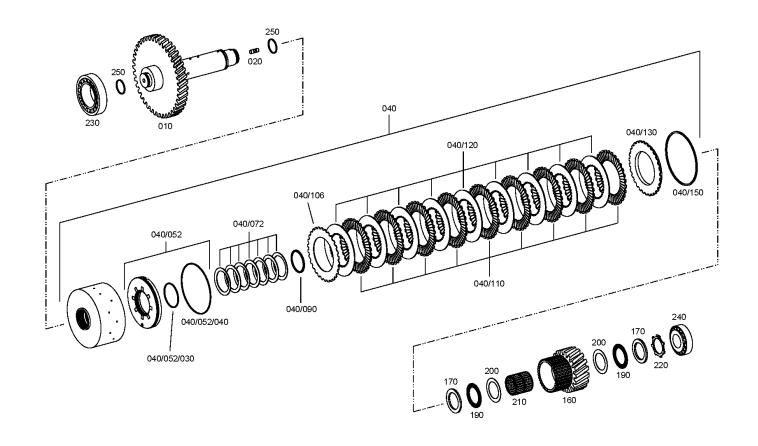
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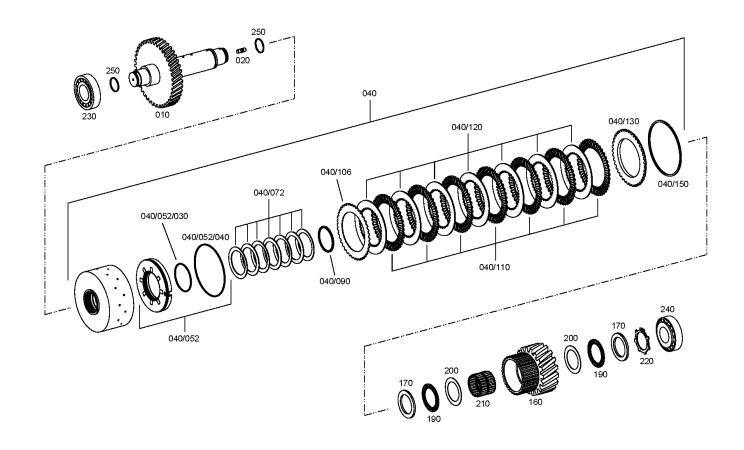
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Plant: 465717202300

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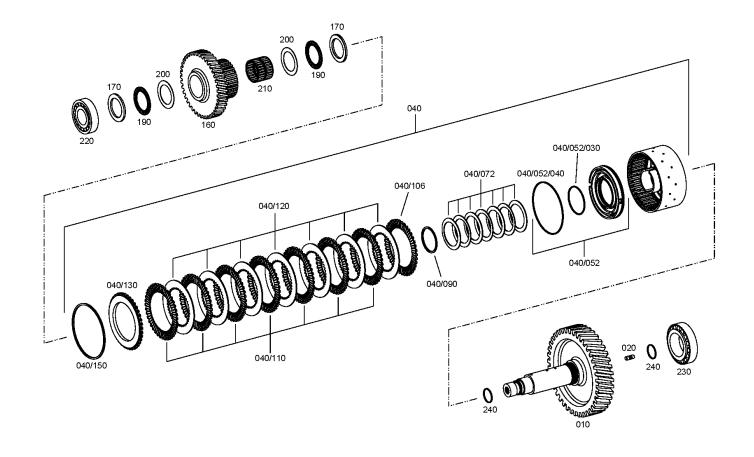
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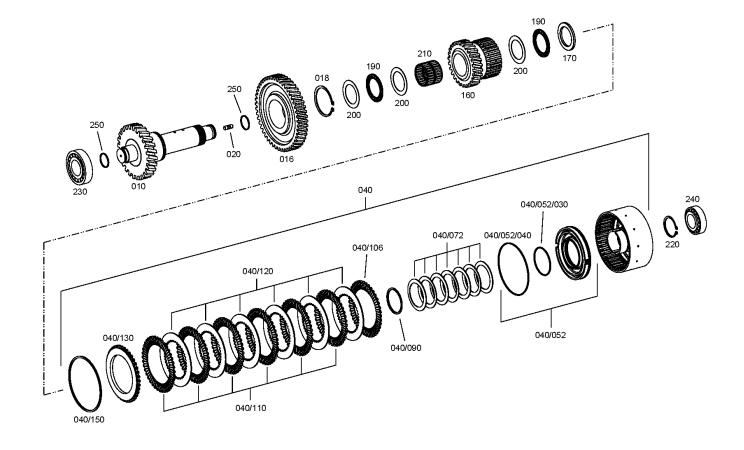
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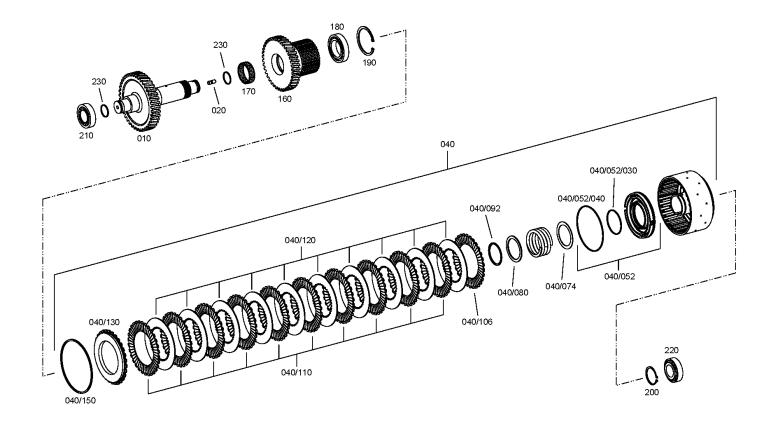
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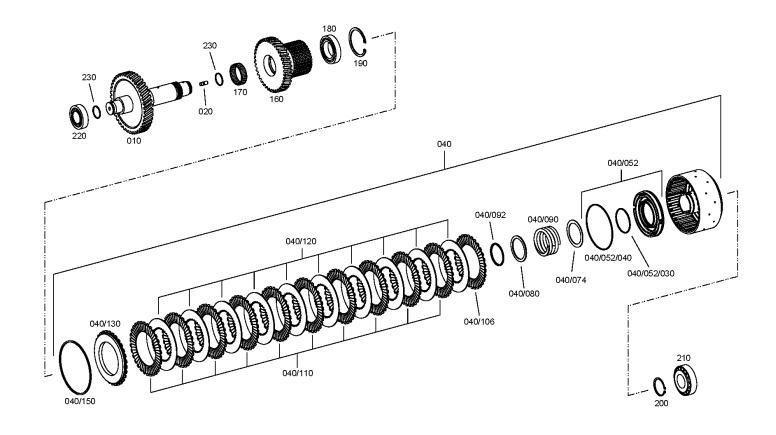
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Material-assembly-group-no: 4657.176.017





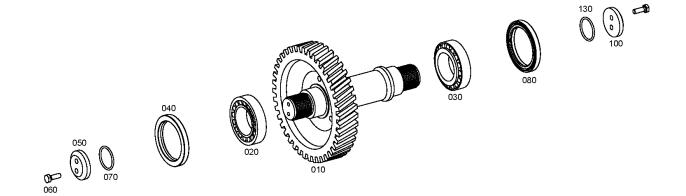
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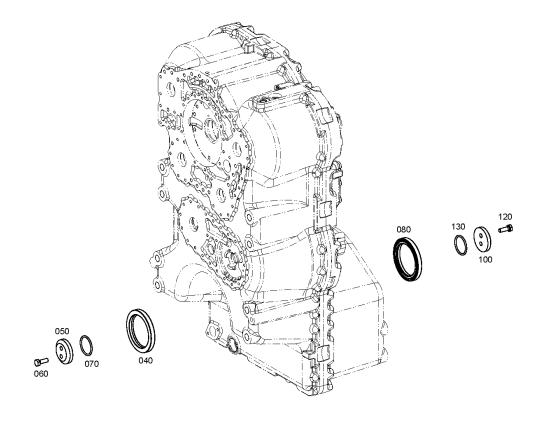
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Plant: 465710300680

Material-assembly-group-no: 4657.103.006





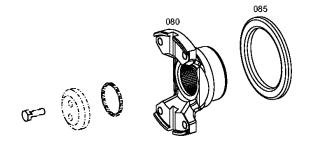
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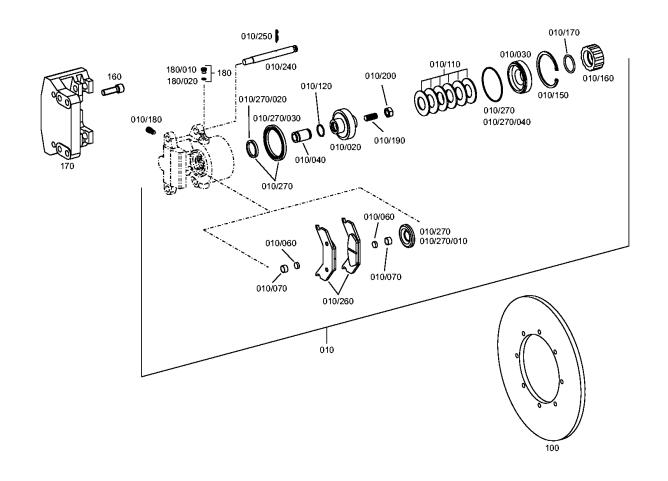
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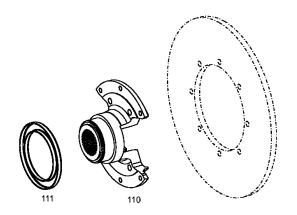
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Plant: 465710940600

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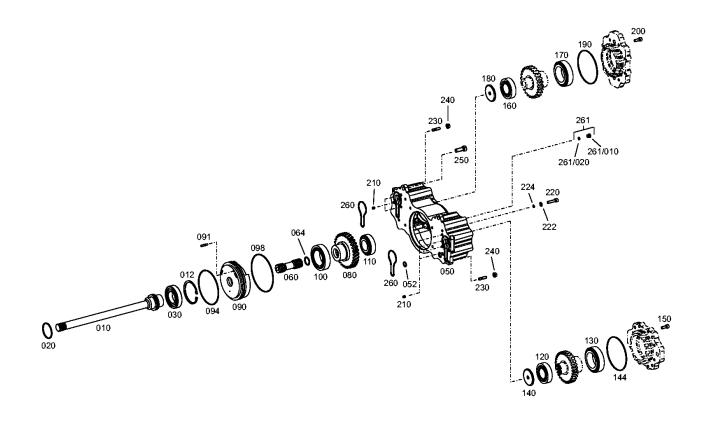
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Plant: 465715500300

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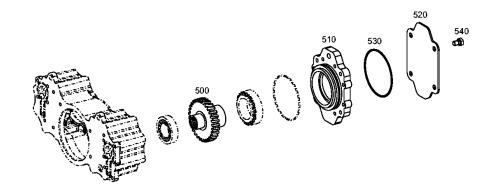
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Plant: 465715541000

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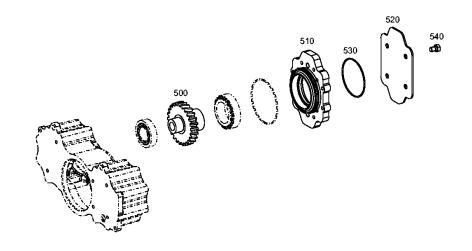
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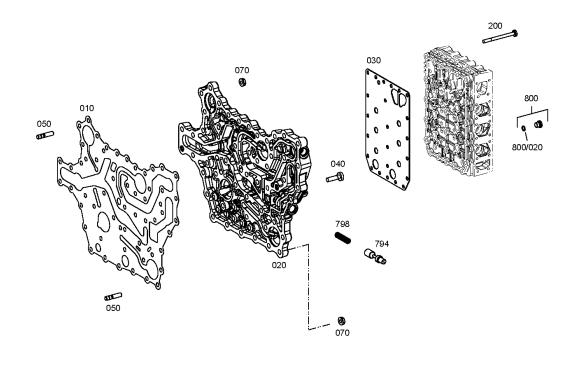
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Plant: 465710601700

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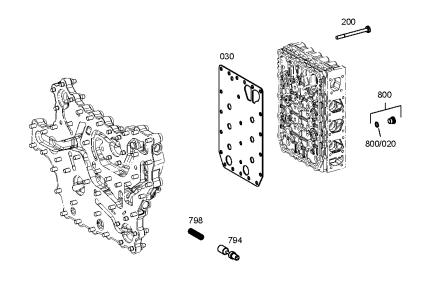
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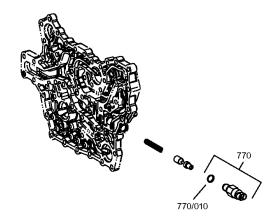
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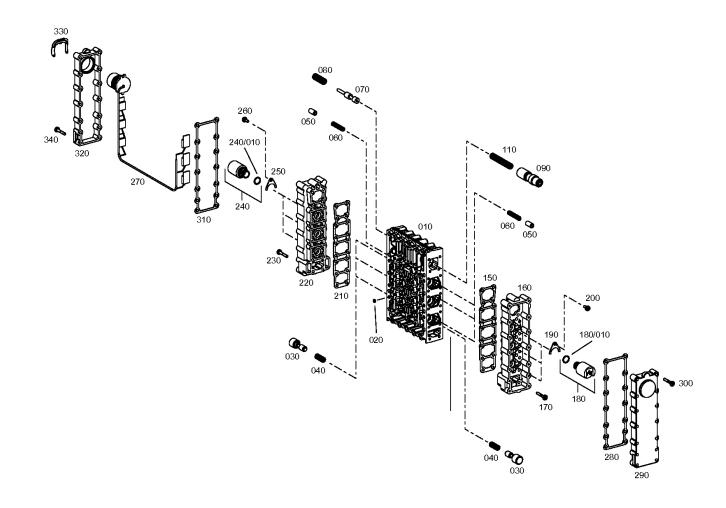
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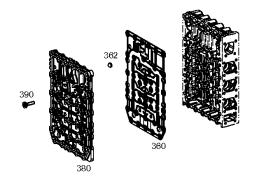
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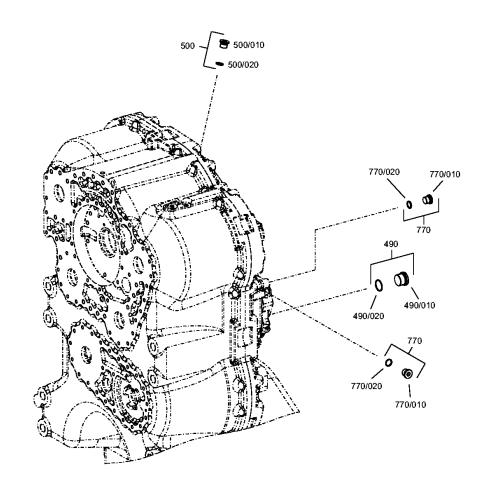
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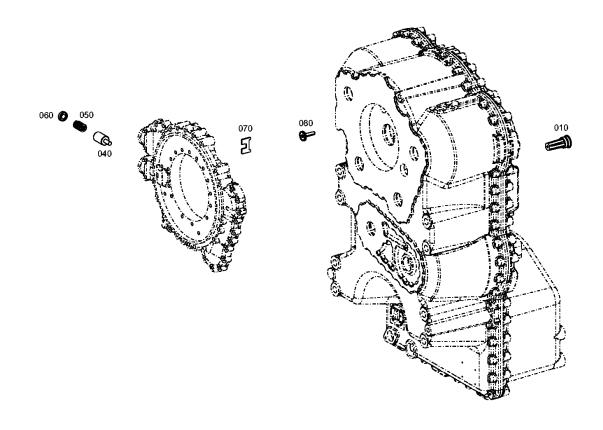
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Plant: 465712000300

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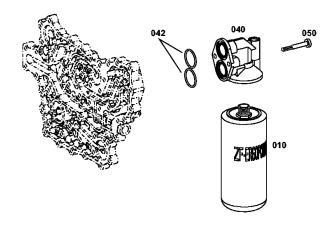
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Plant: 465613800600

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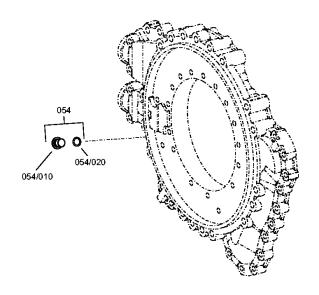
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Plant: 465712400100

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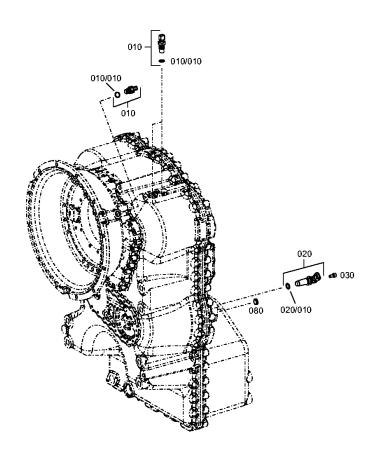
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Plant: 465712500200

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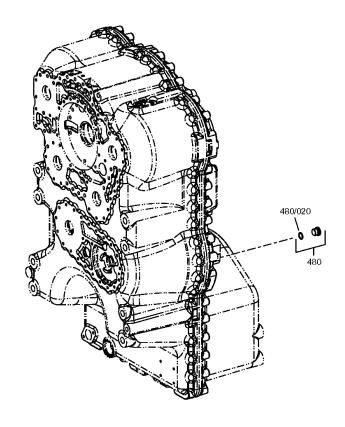
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Plant: 465710700300

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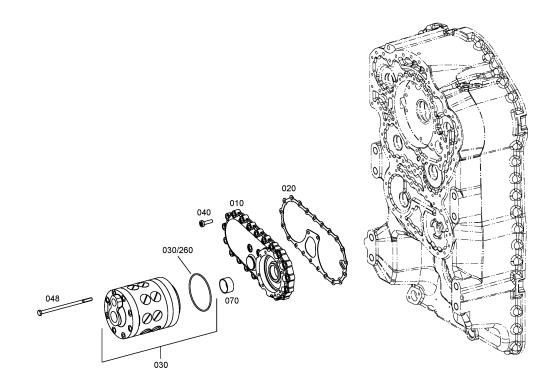
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Material number: 4657.054.048

Plant: 465713700500

Material-assembly-group-no: 4657.137.005





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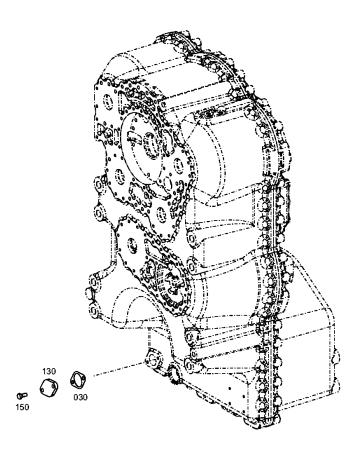
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Plant: 465713100600

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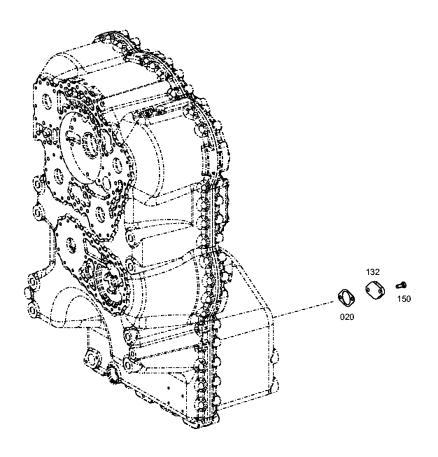
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Material number: 4657.054.048

Plant: 465713140100

Material-assembly-group-no: 4657.131.401





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Material number: 4657.054.048

Plant: 465718305500

Material-assembly-group-no: 4657.183.055





