

Spare Parts Catalog 4 WG 260

Material number: 4646.054.137

Current date: 23.03.2023

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Notes relating to the spare parts catalog

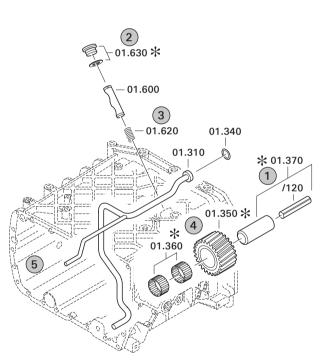


Setup of the spare parts catalog

- 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 Product number	Benennung (Description)	Technische Info Technical info	Description (Benennung)	Menge Quantity	Einheit Unit
068.08.17	1316.170.001	AUSLEGER	WL	SHIFT TURRET	1	Stk
068.08.06	068.08.06 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
C	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)	Technische Info Technical info	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

Technical Cover

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Pos.	Information	Amendment number
	CUSTOMER: LIUGONG	
	VEHICLE DATA 1 :	
	1.PERFORMANCE CALC.: 4646 709 064	
	VEHICLE DESIGNATION: LADER CLG877 III	
	WEIGHT EMPTY: 23,500 TO	
	ENGINE: CUMMINS QSM11 FR20043 TIER3	
	ENGINE POWER: 238,6 KW	
	SPEED: 1800 U/MIN	
	INPUT TORQUE: 1478 NM	
	SPEED: 1400 U/MIN	
	TYRE SIZE: 26,5 X 25	
	TYRE RADIUS DYN.: 0,840 M	
	AXLE RATIO: 23,334	
	MAX. SPEED: 39,0 KM/H	
	PRODUCT DESCRIPTION: ZF-ERGOPOWER L	
	TRANSMISSION TYPE 4 WG 260 (4)	
	DROP CENTER DISTANCE: 575 MM	
	VEHICLE: WHEEL LOADER	
	1. GEAR FORWARD: 3,731	
	2. GEAR FORWARD: 2,207	
	3. GEAR FORWARD: 0,970	
	4. GEAR FORWARD: 0,625	
	1. GEAR REVERSE: 3,731	
	2. GEAR REVERSE: 2,207	
	3. GEAR REVERSE: 0,970	
	NUMBER OF PULSES ENGIN: 60	
	NUMBER OF PULSES TURB: 59	
	NUMBER OF PULSES MRK: 91	
	NUMBER OF PULSES OUTP.: 64	
	SHIFTED CLUTCHES 1G.KV/K1 2G.KV/K2 3G.KV/K3	
	SHIFTED COUPLING 4G.K4/K3	
	CONVERTER: W 370	
	CONVERTER PART NR.: 037 H 054	

Technical Cover

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Pos.	Information	Amendment number
	LOCK-UP CLUTCH: WITHOUT	
	STALL TORQUE RATIO: 2,98	
	TORQUE CONVERTER ABSORP 191 NM	
	STATOR FREEWHEEL: WITHOUT	
	ENGINE INPUT: DIRECT MOUNTED TO ENGINE	
	ENGINE: CUMMINS	
	ENGINE-CONNECTION: SAE 1 4646 500 275	
	OUTPUT: STANDARD	
	GEAR BOX SUMP STANDARD	
	OUTPUT FLANGE CONVERTER MECH 8,5 C	
	OUTPUT PTO SIDE: WITH PARKING BRAKE	
	DISC BRAKE: SAHR FSG 110	
	RELEASE PRESSURE: 120 - 150 BAR	
	MEDIUM: HYDRAULIK OIL DIN 51525	
	CONNECTION BRAKE PRESSU JIC 9/16-18	
	OUTPUT FLANGE PTO SIDE: MECH 8,5 C	
	1.POWER TAKE OFF:	
	1.PTO FLANGE: SAE C 2 HOLE M16 * 4 HOLE M14	
	DRIVER / PROFILE: SAE C 12/24 DP 14 T	
	3.POWER TAKE OFF:	
	2.PTO FLANGE: SAE C 2 HOLE M16 * 4 HOLE M14	
	DRIVER / PROFILE: SAE C 12/24 DP 14 T	
	RATIO 3 PTO 1:1	
	4.PTO: WITH TILGER	
	GEAR CHANGE CONTROL: ZF-ERGOSHIFT/ PROP VALVE	
	VOLTAGE: 24 VOLT	
	SPEED CONTROL: CONNECTION VIA EST	
	OIL LEVEL TUBE: MOUNTED ON CONVERTER SIDE	
	OIL DIPSTICK: SHORT STRAIGHT	
	FILTER INSTALLATION: SEPARATE MOUNTED	
	PRES. DROP SWITCH: CLOSING SWITCH	
	ADAPTER WITHOUT	
	ADDITIONAL ADAPTER: WITHOUT	

Technical Cover

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Pos.	Information	Amendment number
	EMERGENCY STEERING PUMP MOUNTING POSSIBILITY	
	OIL TEMPERATURE SENSOR: WITH (WITHOUT GAUGE)	
	ELECTRIC PARTS ORDER: INCLUDED IN SCOPE OF SUPPLY	
	SEPARATE ORDER: WITHOUT	
	GROUP LOOSE PARTS: 4646 183 320	
	CONTROL UNIT: EST 37A	
	GEAR SELECTOR: DW 3	
	2ND GEAR SELECTOR: WITHOUT	
	DISPLAY: FOR SEPERATE MOUNTING	
	LOAD SENSOR: WITHOUT	
	WIRING: WITHOUT	
	OIL CAPACITY: CA. 32 LITRE	
	GEARBOX OIL FILLING: WITHOUT	
	OIL-CLASS: OIL SPECIFICATION TE ML 03	
	PRIMER PAINT: YELLOW RAL 1006	
	CLUTCH PIPE 4646.121.096	
	DOCUMENTATION GEAR BOX:	
	SECTION DRAWING: 4646 054 049	
	INSTALLATION DRAWING: 4646 654 137	
	GEARBOX DIAGRAM: 4646 700 384	
	OIL CIRCUIT DIAGRAM: 4646 700 291	
	INSTALL. INSTRUCTIONS: 0000 702 951	
	DRAWING 6009 665 002	
	DRAWING GEAR SEL. 1: 6006 630 033	
	CONNECTION DIAGRAM: 6006 700 564	
	WIRING DIAGRAM: 6029 702 157	
	CONNECTION DIAGRAM: 6029 702 158	
	DRAWING DISPLAY: 6007 603 047	

Assembly group overview Page 1 from 3



Picture	Pos.	Material number	Name	Quantit y	Amend. no.	Techn. Info.
4166037074 00	500	4166.037.074	CONVERTER	1		
4646102045 00	30	4646.102.045	INPUT	1		
4646102423 00	35	4646.102.423	INPUT	1		
4646101190 00	10	4646.101.190	TRANSMISSION HOUSING	1		
4646101487 00	12	4646.101.487	TRANSMISSION HOUSING	1		
4646101484 00	14	4646.101.484	TRANSMISSION HOUSING	1		
4646101488 00	16	4646.101.488	TRANSMISSION HOUSING	1		
4646108014 00	150	4646.108.014	COUNTERSHAFT	1		
4646151073 00	350	4646.151.073	COUPLING	1		
4646151486 00	352	4646.151.486	COUPLING	1		
4646151471 00	355	4646.151.471	COUPLING	1		
4646152079 00	360	4646.152.079	COUPLING	1		
4646152523 00	365	4646.152.532	COUPLING	1		
4646152548 00	362	4646.152.548	COUPLING	1		
4646153072 00	370	4646.153.072	COUPLING	1		
4646153457 00	375	4646.153.457	COUPLING	1		

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Picture	Pos.	Material number	Name	Quantit y	Amend. no.	Techn. Info.
4646103037 00	50	4646.103.037	OUTPUT	1		
4646103456 00	60	4646.103.456	OUTPUT	1		
4646109019 00	170	4646.109.019	PARKING BRAKE	1		
4646109423 00	70	4646.109.423	PARKING BRAKE	1		
4646154056 00	380	4646.154.056	POWER TAKE-OFF	1		
4646154435 00	390	4646.154.435	POWER TAKE-OFF	1		
4646155012 00	400	4646.155.012	POWER TAKE-OFF	1		
4646156008 00	420	4646.156.008	POWER TAKE-OFF	1		
4646156453 00	430	4646.156.453	POWER TAKE-OFF	1		
4646106022 00	110	4646.106.022	SHIFT SYSTEM	1		
4657106401 00	115	4657.106.401	SHIFT SYSTEM	1		
4656159019 01	120	4656.159.019	SHIFT SYSTEM	1		
4646122012 00	225	4646.122.012	PRESSURE OIL PUMP	1		
4646138004 00	330	4646.138.004	FILTER	1		
4646199188 00	335	4646.199.188	LOOSE PARTS	1		
4646125023 50	250	4646.125.023	INDUCTIVE SENSOR	1		

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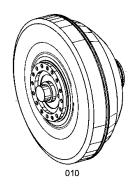
Picture	Pos.	Material number	Name	Quantit y	Amend. no.	Techn. Info.
4646137022 00	310	4646.137.022	EMERGENCY STEERING PUMP	1		
4646137414 00	320	4646.137.414	EMERGENCY STEERING PUMP	1		
4646124007 00	235	4646.124.007	TEMPERATURE SENSOR	1		
4646131044 20	290	4646.131.044	FILLER NOZZLE	1		
4646131401 00	295	4646.131.401	FILLER NOZZLE	1		
4646121125 01	210	4646.121.125	OIL PIPE	1		
4646121416 00	215	4646.121.416	OIL PIPE	1		
4646162416 00	20	4646.162.416	OIL PIPE	1		
4646183320 00	490	4646.183.320	LOOSE PARTS	1		
4143139001 00	18	4143.139.001	TYPE PLATE	1		

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Material number: 4646.054.137

Picture: 416603707400



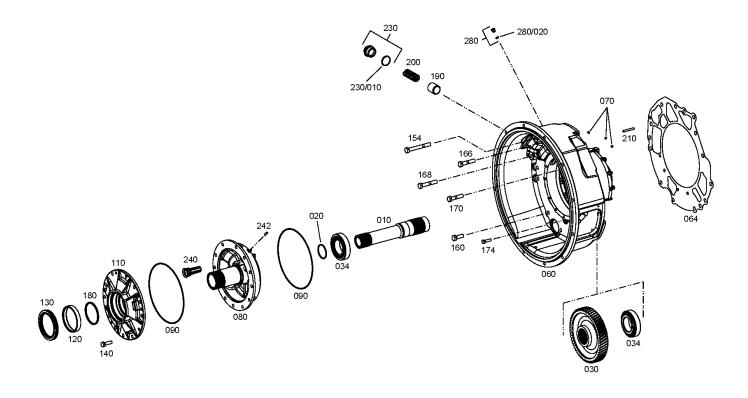


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Material number: 4646.054.137

Picture: 464610204500



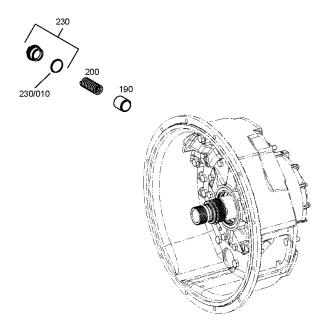


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Material number: 4646.054.137

Picture: 464610204580



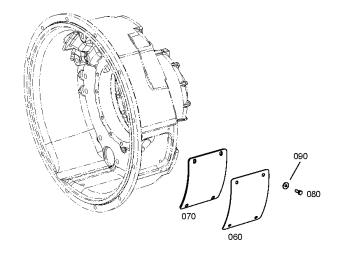


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Material number: 4646.054.137

Picture: 464610242300



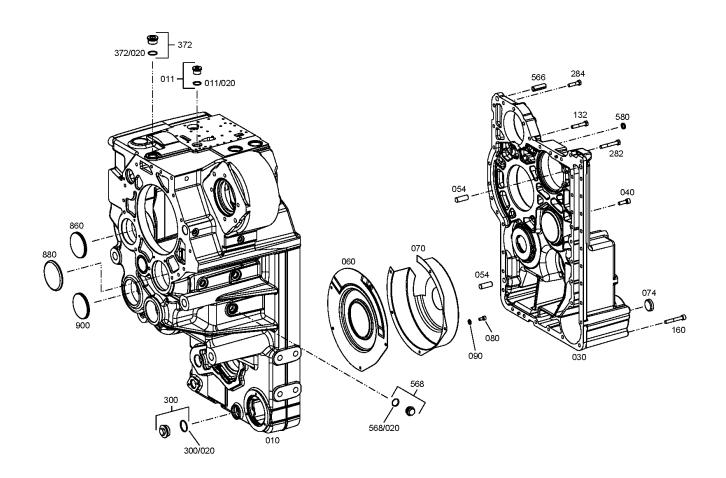


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Material number: 4646.054.137

Picture: 464610119000



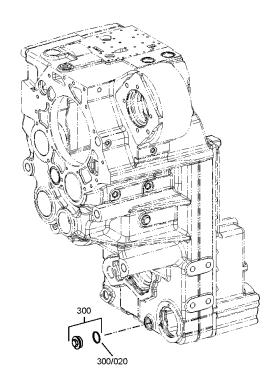


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Material number: 4646.054.137

Picture: 464610119080



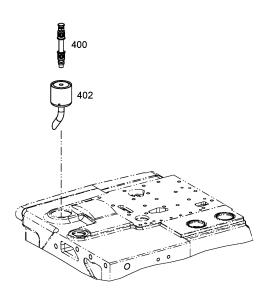


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Material number: 4646.054.137

Picture: 464610148700





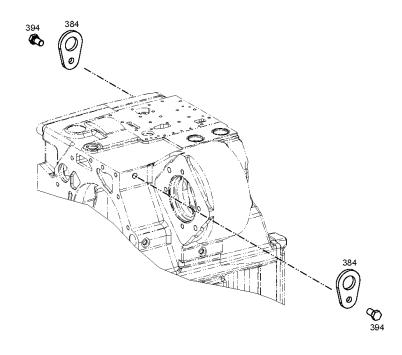
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Material number: 4646.054.137

Picture: 464610148400

Material-assembly-group-no: 4646.101.484

4 WG 260 / TRANSMISSION HOUSING

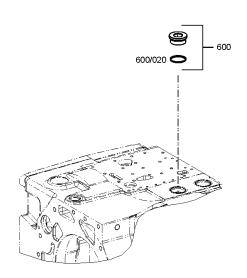


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Material number: 4646.054.137

Picture: 464610148800



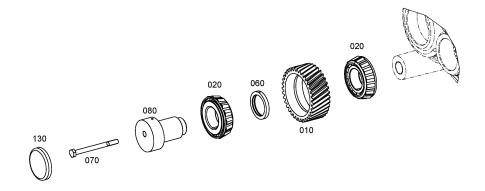


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Material number: 4646.054.137

Picture: 464610801400



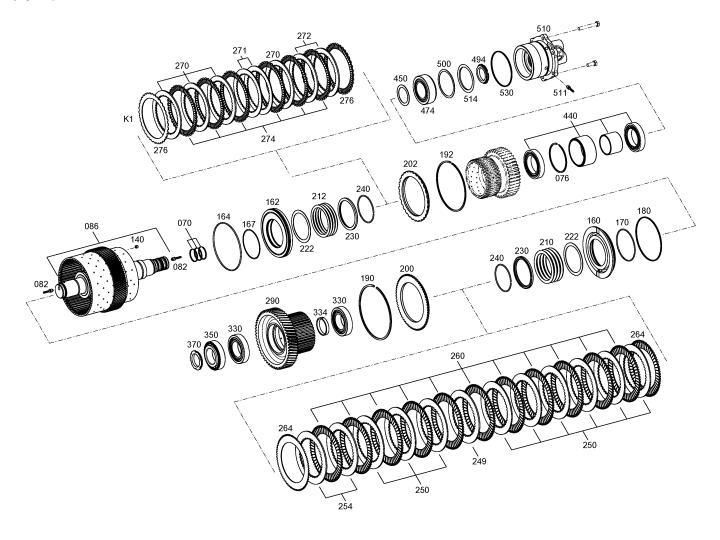


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Picture: 464615107300



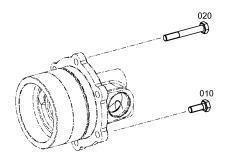


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Material number: 4646.054.137

Picture: 464615148600





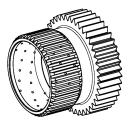
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Material number: 4646.054.137

Picture: 464615147100

Material-assembly-group-no: 4646.151.471





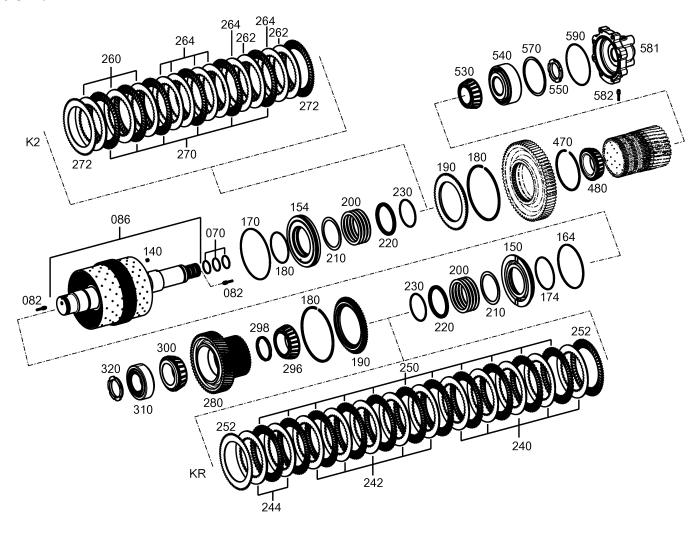
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Material number: 4646.054.137

Picture: 464615207900





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Material number: 4646.054.137

Picture: 464615252300







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Material number: 4646.054.137

Picture: 464615254800



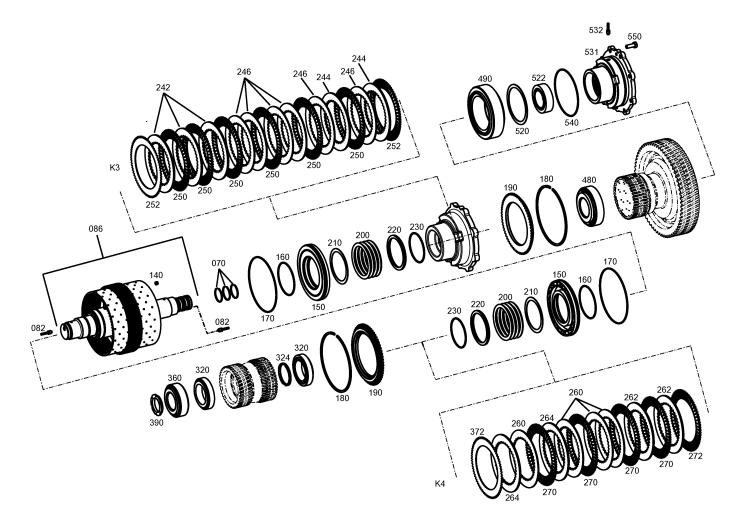


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Picture: 464615307200





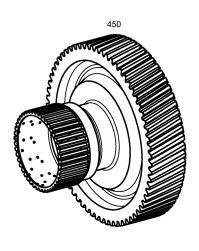
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Picture: 464615345700





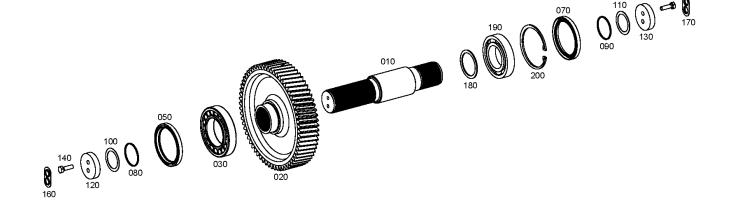


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Material number: 4646.054.137

Picture: 464610303700



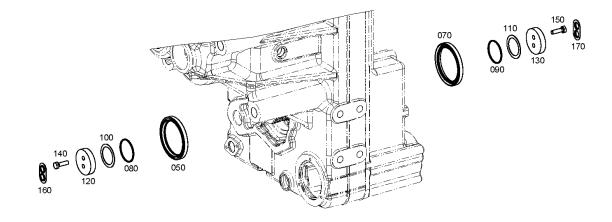


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Material number: 4646.054.137

Picture: 464610303780



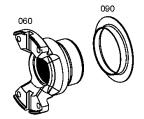


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Material number: 4646.054.137

Picture: 464610345600



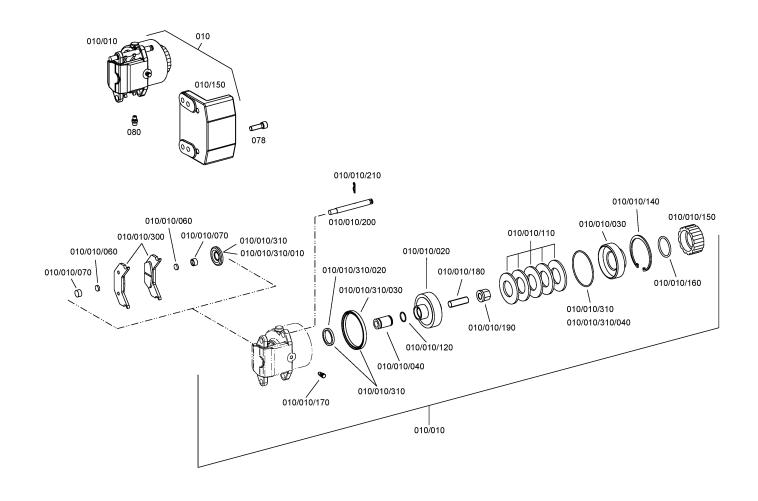


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Material number: 4646.054.137

Picture: 464610901900



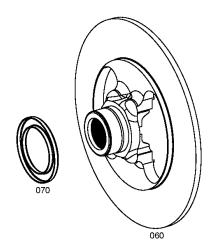


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Material number: 4646.054.137

Picture: 464610942300



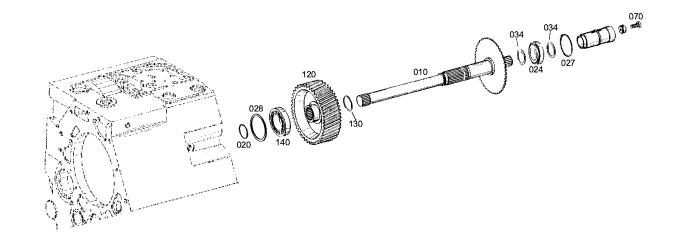


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Picture: 464615405600



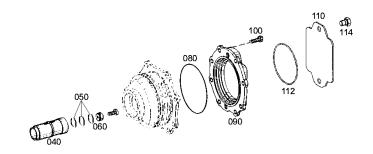


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Material number: 4646.054.137

Picture: 464615443500



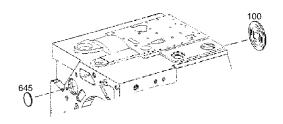


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Material number: 4646.054.137

Picture: 464615501200



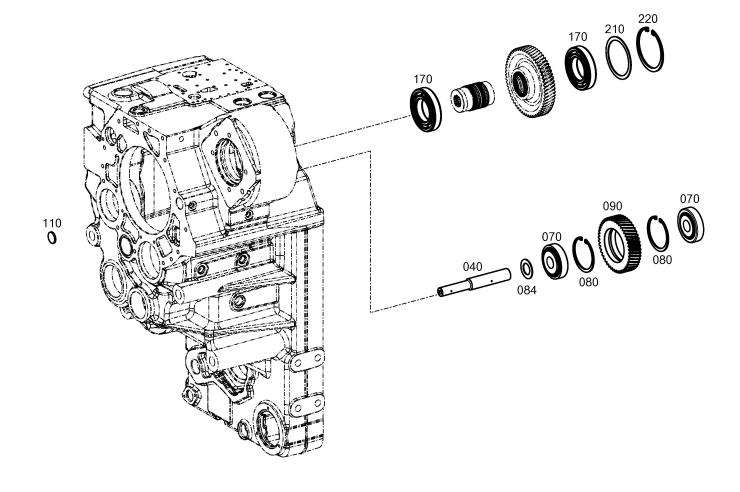


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Material number: 4646.054.137

Picture: 464615600800



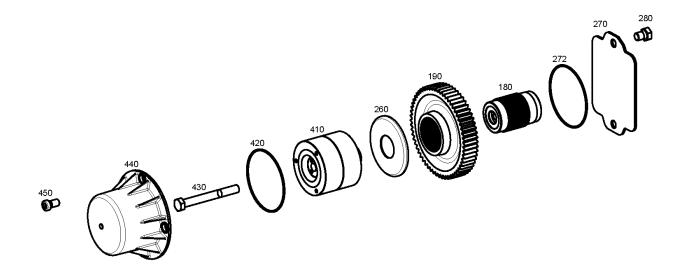


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Material number: 4646.054.137

Picture: 464615645300





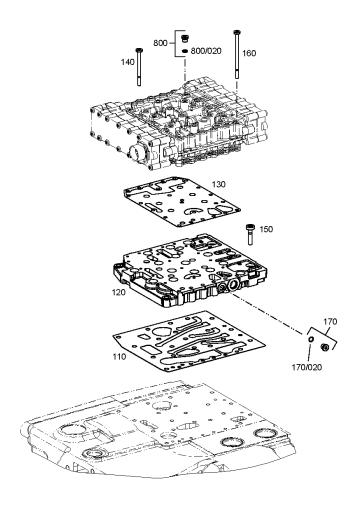
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Material number: 4646.054.137

Picture: 464610602200

Material-assembly-group-no: 4646.106.022





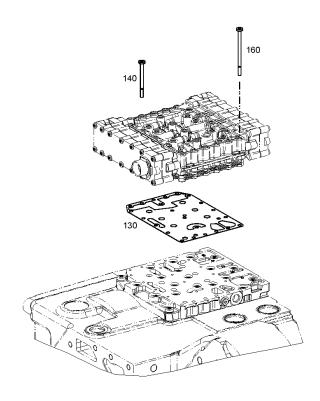
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Material number: 4646.054.137

Picture: 464610602280

Material-assembly-group-no: 4646.106.022





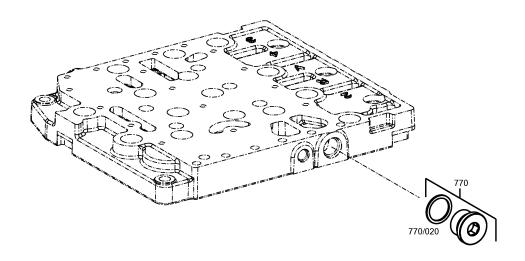
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Material number: 4646.054.137

Picture: 465710640100

Material-assembly-group-no: 4657.106.401





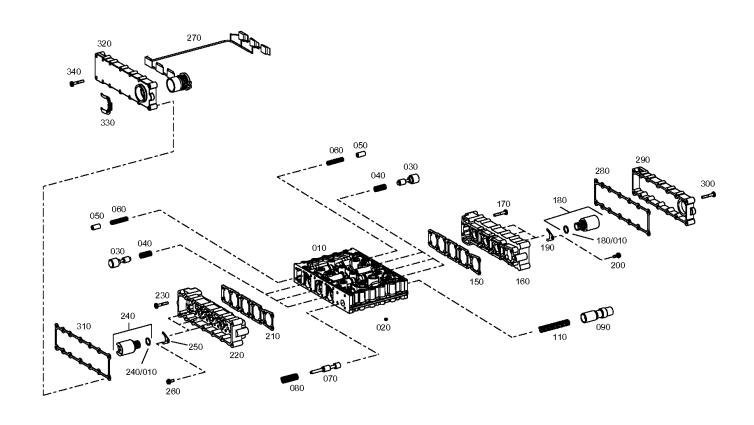
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Material number: 4646.054.137

Picture: 465615901901

Material-assembly-group-no: 4656.159.019





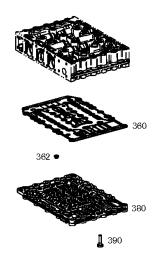
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Picture: 465615901902

Material-assembly-group-no: 4656.159.019





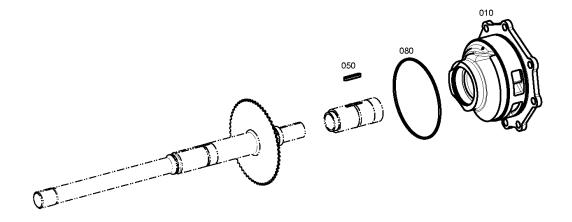
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Material number: 4646.054.137

Picture: 464612201200

Material-assembly-group-no: 4646.122.012





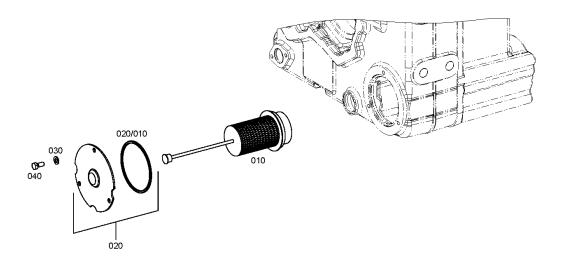
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Material number: 4646.054.137

Picture: 464613800400

Material-assembly-group-no: 4646.138.004





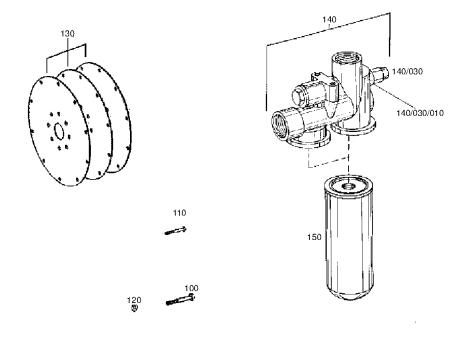
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Material number: 4646.054.137

Picture: 464619918800

Material-assembly-group-no: 4646.199.188





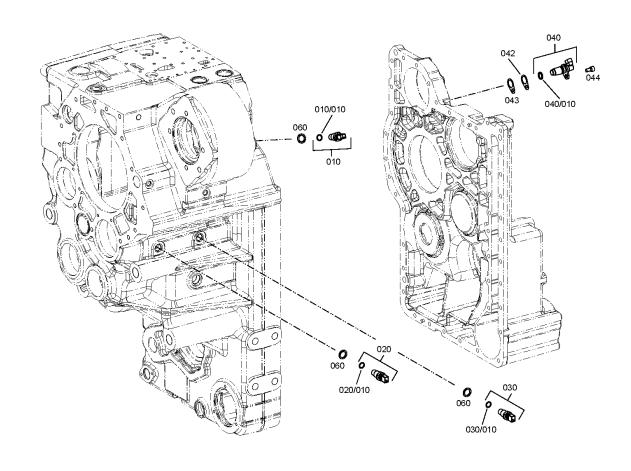
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Material number: 4646.054.137

Picture: 464612502350

Material-assembly-group-no: 4646.125.023





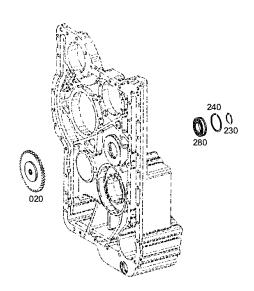
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Material number: 4646.054.137

Picture: 464613702200

Material-assembly-group-no: 4646.137.022

4 WG 260 / EMERGENCY STEERING PUMP



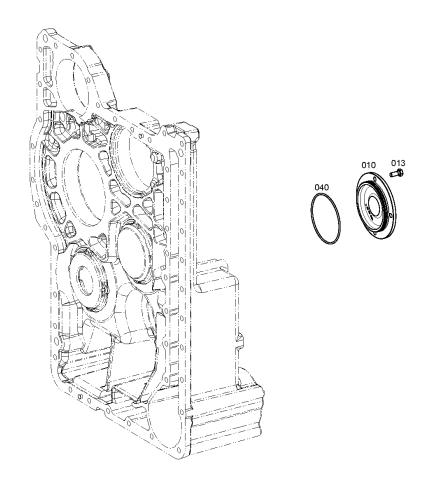
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Material number: 4646.054.137

Picture: 464613741400

Material-assembly-group-no: 4646.137.414

4 WG 260 / EMERGENCY STEERING PUMP



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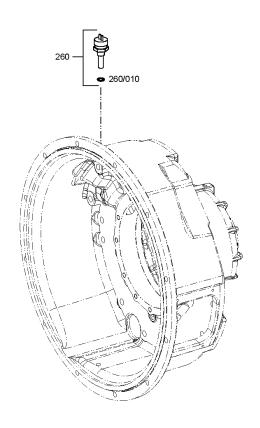
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Material number: 4646.054.137

Picture: 464612400700

Material-assembly-group-no: 4646.124.007





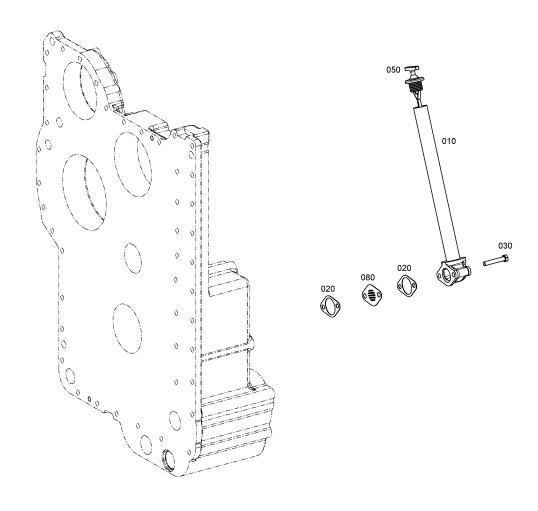
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Material number: 4646.054.137

Picture: 464613104420

Material-assembly-group-no: 4646.131.044





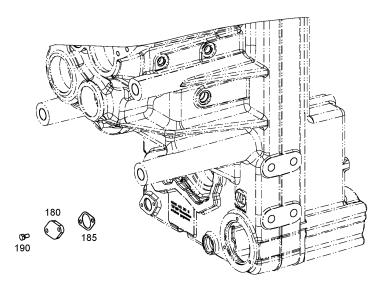
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Material number: 4646.054.137

Picture: 464613140100

Material-assembly-group-no: 4646.131.401





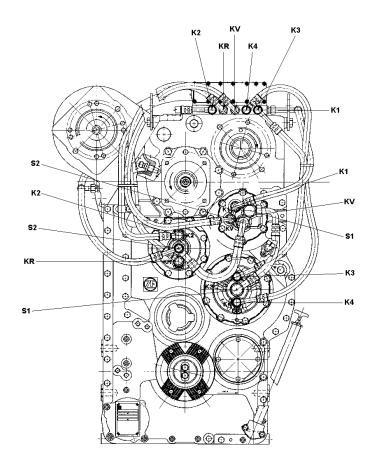
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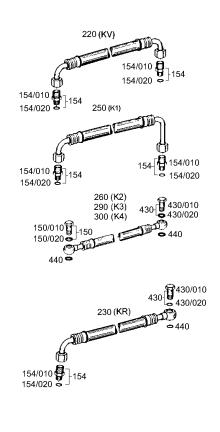
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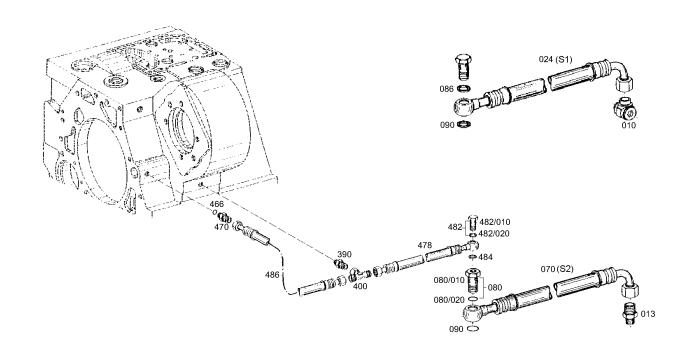
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Material number: 4646.054.137

Picture: 464612112502

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Material number: 4646.054.137

Picture: 464612141600

Material-assembly-group-no: 4646.121.416





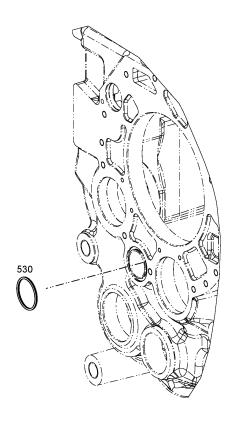
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Picture: 464616241600

Material-assembly-group-no: 4646.162.416





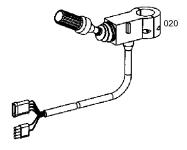
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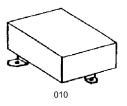
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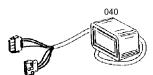
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Material number: 4646.054.137

Picture: 414313900100

Material-assembly-group-no: 4143.139.001



