WACKER NEUSON

System Handbook

Telehandlers

TH955



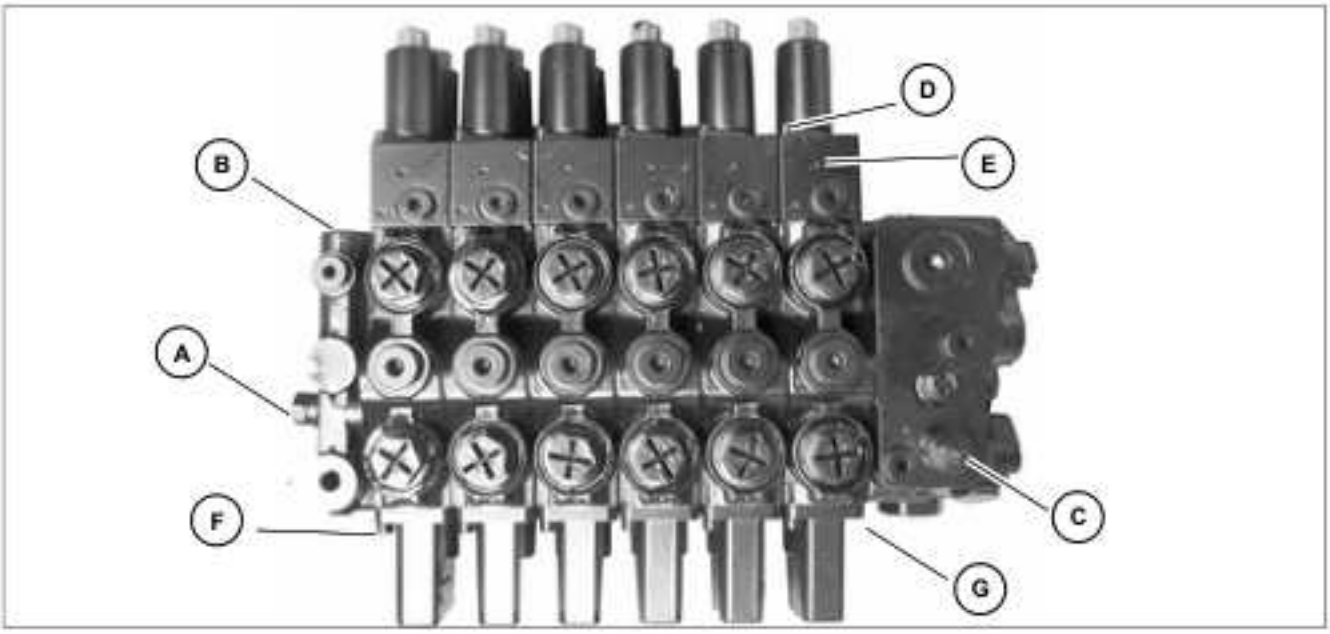
Machine model	416-06
From serial no.	416 06 0001
Version	2.0
Doc. Number	1000360950
Language	[en]

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4-51	Cardan shaft speed (30 km/h)	Diesel engine speed 1750 – 1800 rpm Hare/4-wheel steering/front axle steering (Mode3,4) 17.5-25 16 PR EM60	2480 - 2530 rpm	
4-51	Cardan shaft speed (15 km/h)	Diesel engine speed 2350 min^{-1} Tortoise (Mode2) 460/70-24 IND TR01 460/70 R24 XMCL 460/70 R24 Duraforce 17.5 LR24 A-570	1350-1400 rpm	
4-51	Cardan shaft speed (15 km/h)	Diesel engine speed 2350 min^{-1} Tortoise (Mode2) 500/70 R24 IT530 500/70 R24 XMCL 19.5 LR24 A-570 440/70 R28 IND AC70G 600/55-26.5 I-3	1250-1300 rpm	
4-51	Cardan shaft speed (15 km/h)	Diesel engine speed 2350 min^{-1} Tortoise (Mode2) 17.5-25 16 PR EM60	1220-1270 rpm	
4-53	Pump engine droop	Max. diesel engine speed Snail (Mode1) at 300 – 320 bar high pressure	2050 – 2100 rpm	
4-54	Engine droop high-speed gearbox 30 km/h version	Hare/front-axle steering brake down to 15 + 2 km/h Additional motor Constant Current Hare Set Mode 4 to 200mA	2100 – 2150 rpm	
4-55	Engine droop Additional variable displacement motor 30 km/h version	Hare/front-axle steering brake down to 22 – 24 km/h PCOR-valve in Mode 4 Low at 300mA	2100 – 2150 rpm	

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8.46 Tightening torques for hydraulic control unit XIII



Pos.	Component	Tightening torque
A	Tension anchor	30 – 35 Nm
B	LS-bleed valve	35 Nm
C	Pressure limiting valve	30 Nm
D	Proportional valve	4 Nm
E	Valve block	13 Nm
F	End cap	13 Nm
G	Secondary valves	30 Nm

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Resistors R830, R870, R871, R872

Usage:

- Lower mode switch S125

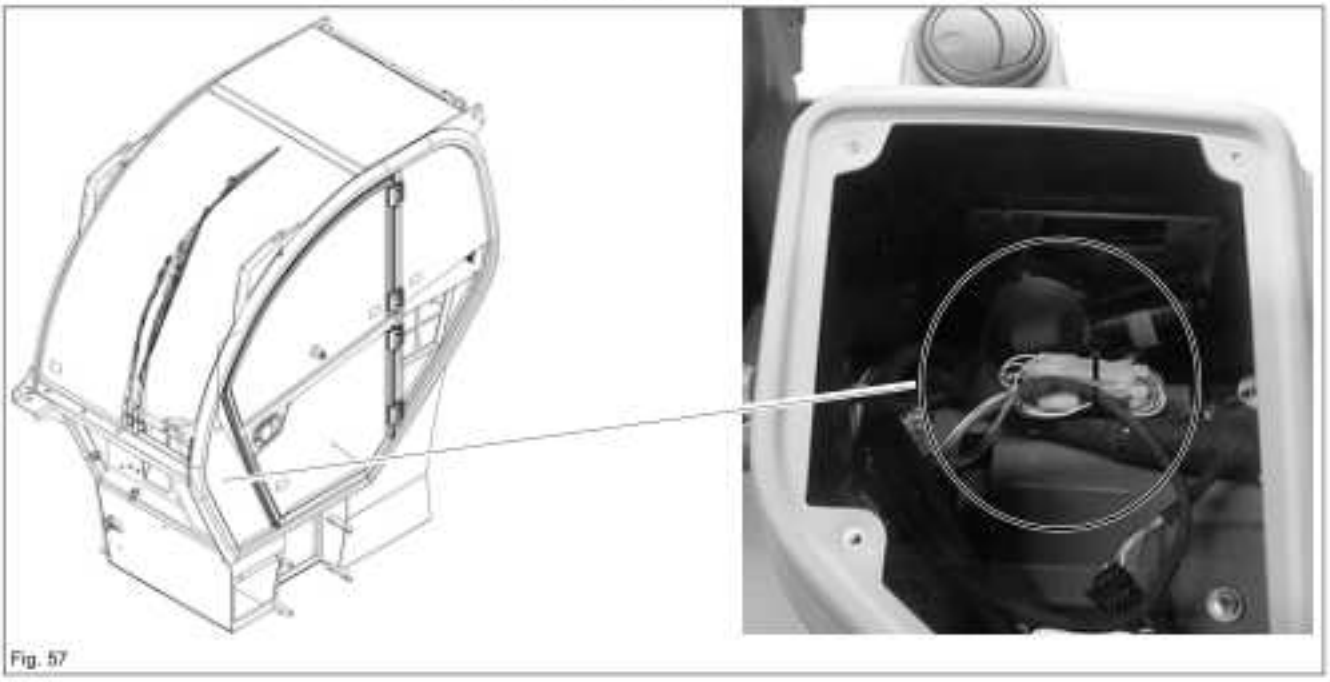


Fig. 57

Resistors R830, R870, R871, R872

Usage:

- Switch for rear additional circuit S069
- Autohitch switch S131
- Tipper switch S070
- Oscillating axle interlock S024

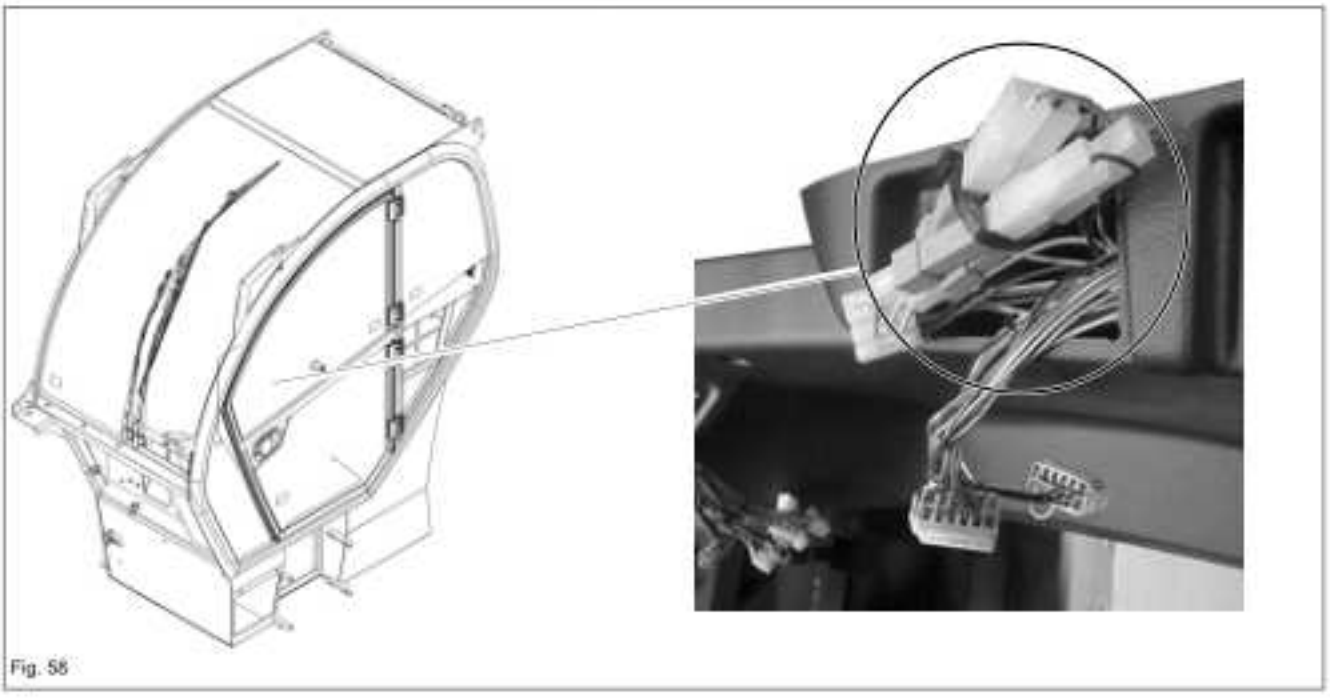
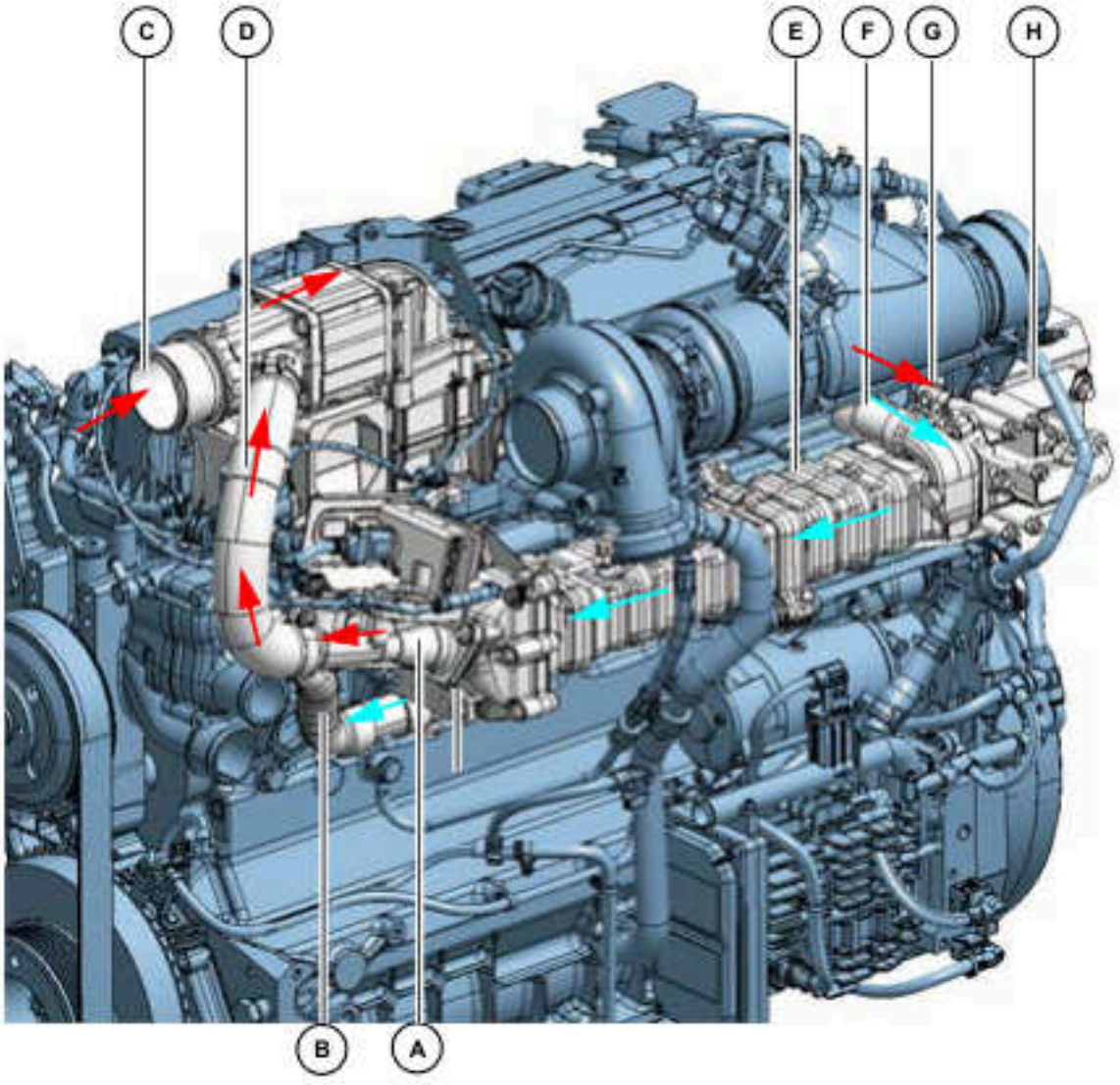


Fig. 58

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Exhaust gas recirculation

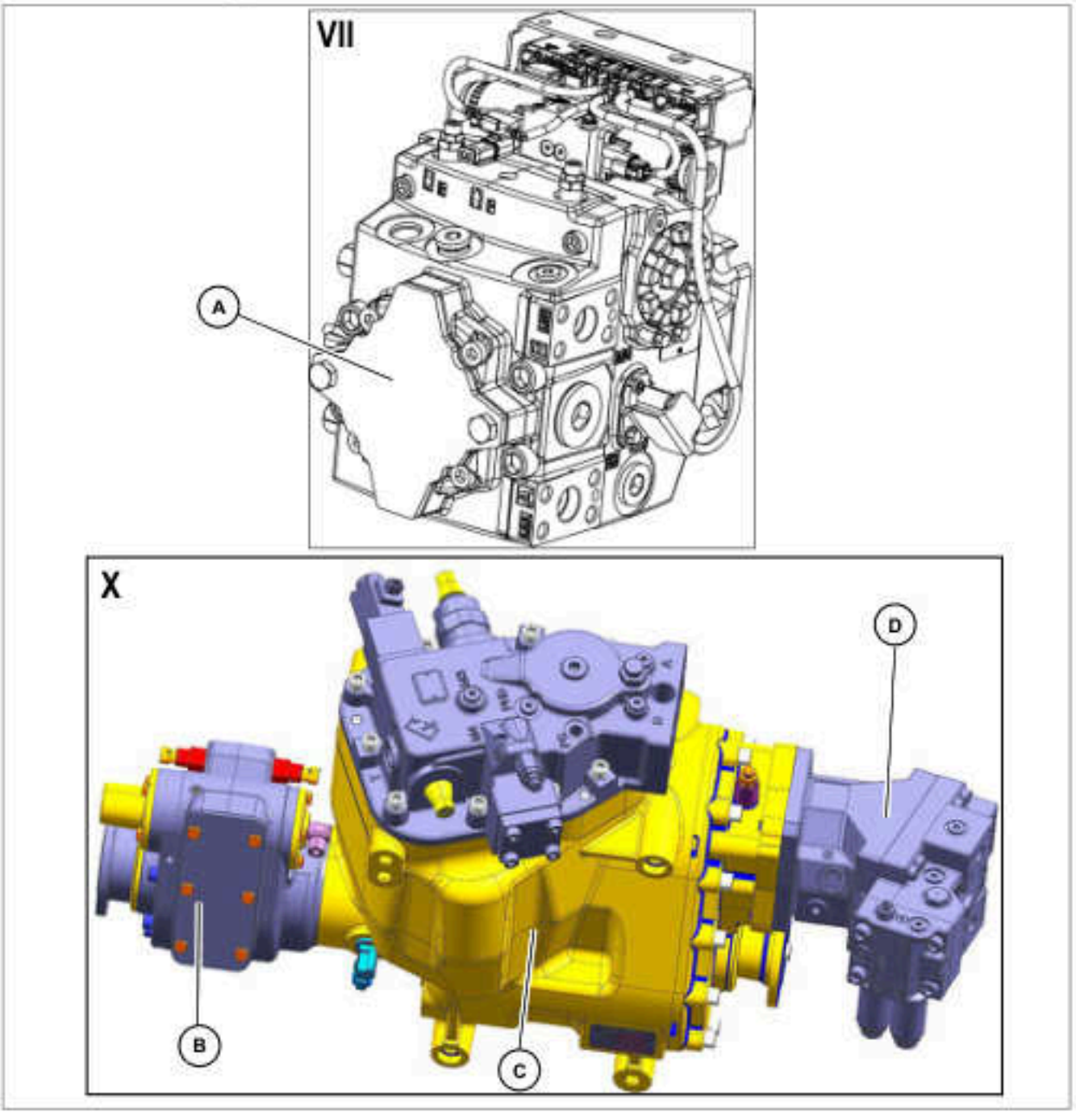


A	Non-return valve
B	Coolant reflux to thermostat
C	Combustion air inlet
D	Exhaust gas stream (cooled)
E	Cooler for exhaust gas recirculation
F	Coolant line to EGR radiator
G	Exhaust gas stream (not cooled)
H	Actuator (activated electrically)

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4.5 Assemblies

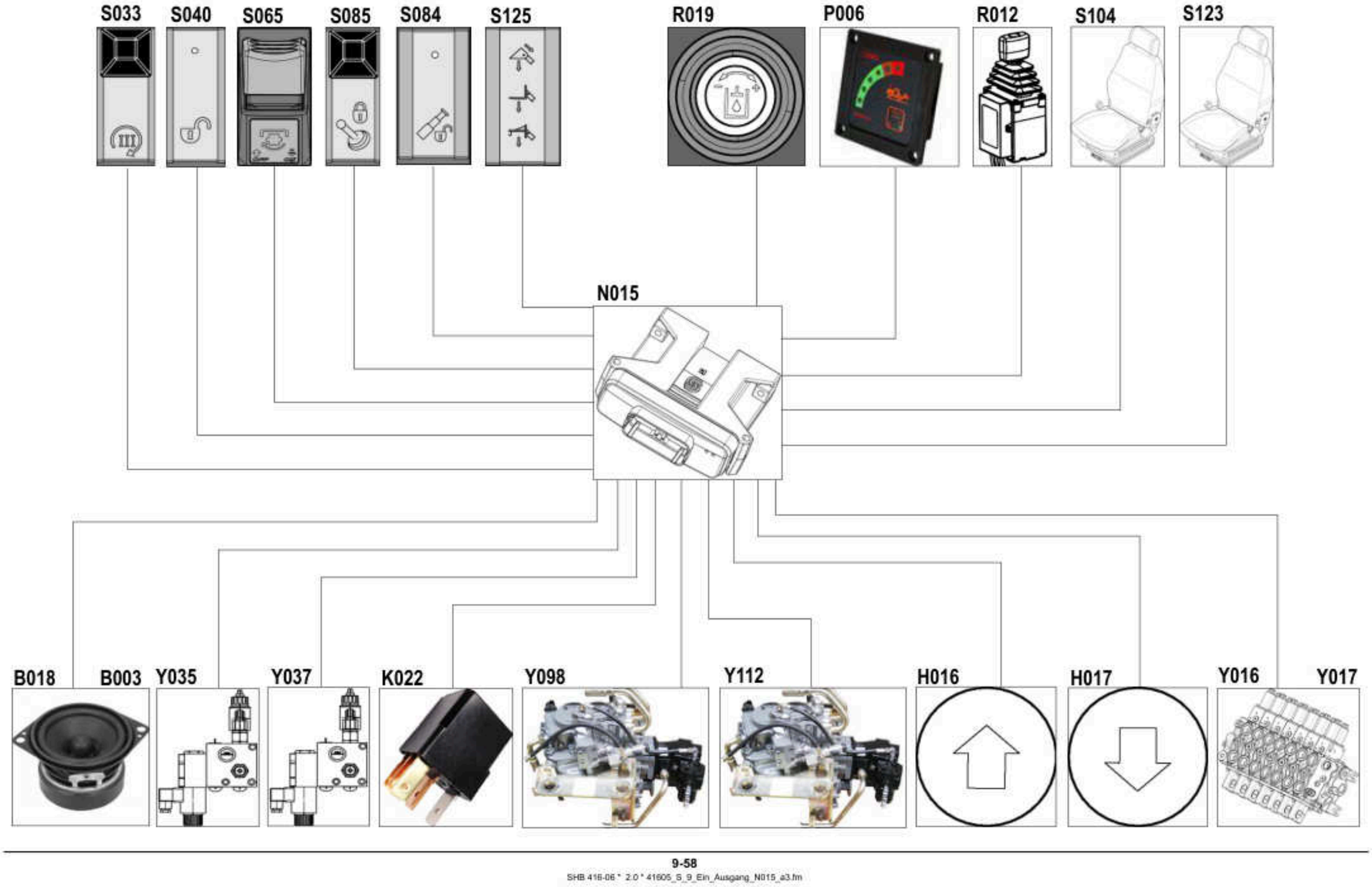
Overview: drive system model 416-06



Pos.	Component	Remarks
A	Hydraulic pump VII (H1P115)	Model 416-06
B	Four-wheel cut-off	Optional
C	High-speed gearbox X	–
D	Additional variable displacement motor VIII	Model 416-06

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9.49 Inputs / outputs of cabin controller N015



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