SERVICE MANUAL

T7.150 / T7.180

Tractor

Part number 48079508

English

July 2017

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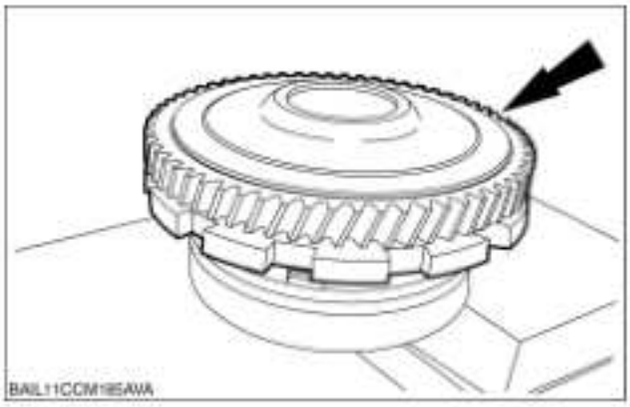
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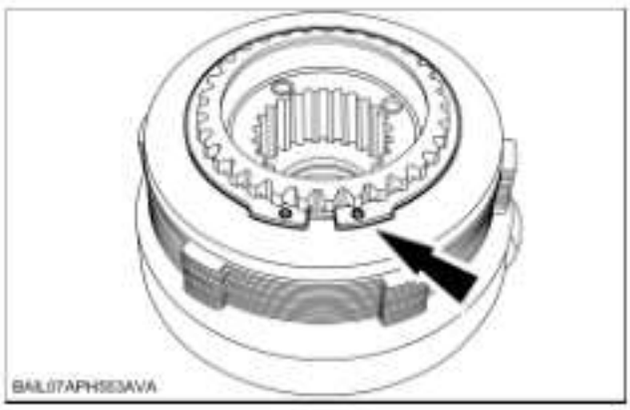
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5. Rotate the clutch assembly **180°**.
   Remove the driven gear.



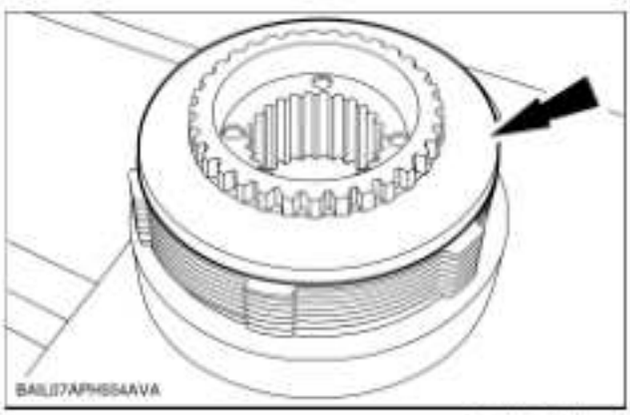
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6. Using suitable circlip pliers, remove the circlip.



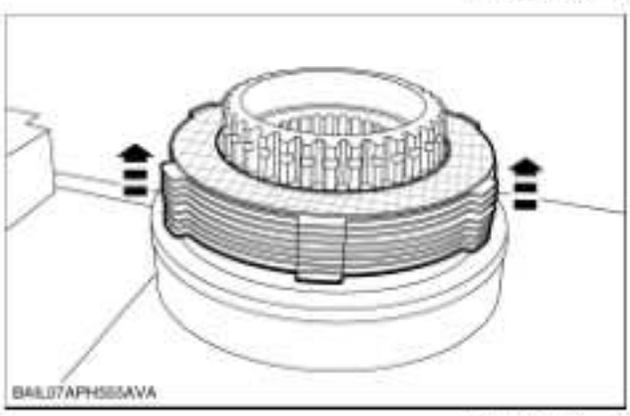
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7. Remove the end plate.



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8. Remove the clutch friction and steel plates.



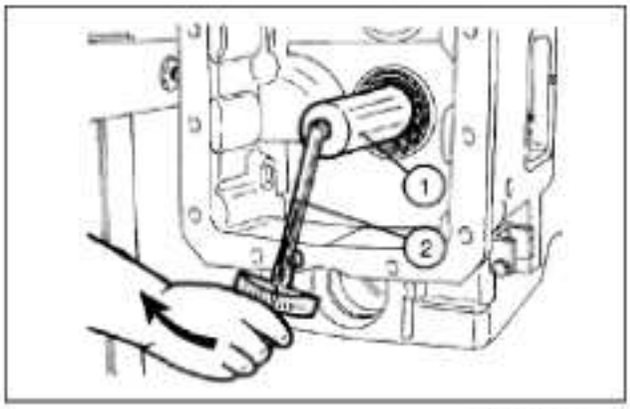
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15. Check whether the torque needed to turn the sprocket gear and pinion assembly is:
Rp + **1.25 – 2.0 N·m**
opp. Rp + **0.125 – 0.2 kg/min** measured at the end of the pinion shaft using wrench tool No. **380000459 (1)** and a torque wrench **(2)**.
where:
Rp = Clamping torque measured only for the pinion (see **Bevel gear - Preload (27.106)**).

Example:

- Measurement of the thickness of the right-hand cover (D1) = **1400 mm**
- Tuning shim A = **1.5 mm**
- Measurement of the clearance D2 between the cover on the right-hand side and its seat on the rear axle housing:
14.15 mm; **14.25 mm**.
D2 = Mean value **(14.15+14.25):2 mm = 14.20 mm**
- Total thickness of adjustment ring
S = **14.20-14.00 mm + 1.5+0.3 mm = 2.00 mm**
- Measured clearance: **0.13 mm**; **0.12 mm**; **0.14 mm**
G = Mean value = **(0.13+0.12+0.14):3 = 0.13 mm**
- End displacement **(Z)** necessary to restore the specified clearance. Z - **(0.13-0.24) mm** x **1.34 mm = -0.11 mm** x **1.34 mm -0.15 mm**
- The thickness of the adjustment ring to be inserted on the right-hand cover is:
Sd = **1.5-0.15 mm = 1.35 mm**
- The thickness of the adjustment ring to be inserted on the left-hand side is: Ss = **2.00-135 mm = 0.65 mm**

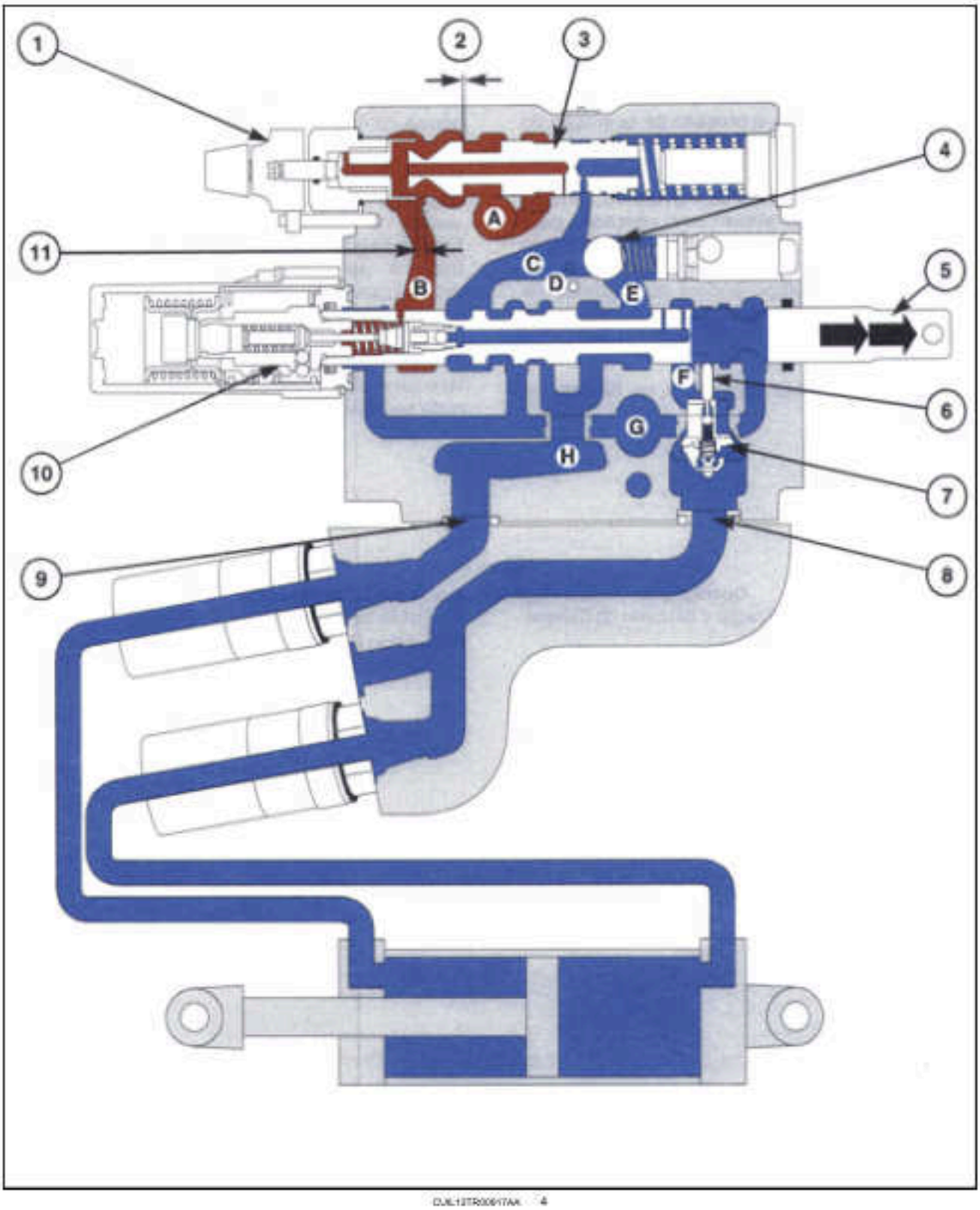


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CONNECTOR X-057M - ENGINE INTERFACE			
PIN NUMBER	**WIRE NUMBER**	**CIRCUIT REFERENCE**	**ELECTRICAL SCHEMATIC FRAME**
32	EN2006C (BL)	X-057M ENGINE INTERFACE X-121 A/C Pressure SW	Without cab: - With cab: **Wiring harnesses - Electrical schema - Air conditioning components - Sheet 21 (55.100)**
33	EN1035 (WH)	X-057M ENGINE INTERFACE X-024 ENGINE OIL PRESSURE SW	Without cab: **Wiring harnesses - Electrical schema - Engine components - Sheet 11 (55.100)** With cab: **Wiring harnesses - Electrical schema - Engine components - Sheet 11 (55.100)**
34	EN3016A (GY)	X-016 BREAK FLUID LEVEL SW X-057M ENGINE INTERFACE	Without cab: **Wiring harnesses - Electrical schema - Engine components - Sheet 11 (55.100)** With cab: **Wiring harnesses - Electrical schema - Engine components - Sheet 11 (55.100)**
35	EN1135 (GN)	X-057M ENGINE INTERFACE X-052F GHC CONNECTOR	Without cab: **Wiring harnesses - Electrical schema - Engine components - Sheet 12 (55.100)** With cab: **Wiring harnesses - Electrical schema - Engine components - Sheet 12 (55.100)**
36	-	-	
37	-	-	
38	-	-	
39	EN2006D (BL)	X-057M ENGINE INTERFACE X-121 A/C Pressure SW	Without cab: - With cab: **Wiring harnesses - Electrical schema - Air conditioning components - Sheet 21 (55.100)**
40	EN1141 (BR)	X-057M ENGINE INTERFACE X-052F GHC CONNECTOR	Without cab: **Wiring harnesses - Electrical schema - Engine components - Sheet 12 (55.100)** With cab: **Wiring harnesses - Electrical schema - Engine components - Sheet 12 (55.100)**
41	EN1001CC (WH)	X-057M ENGINE INTERFACE X-052F GHC CONNECTOR	Without cab: **Wiring harnesses - Electrical schema - Engine components - Sheet 12 (55.100)** With cab: **Wiring harnesses - Electrical schema - Engine components - Sheet 12 (55.100)**
42	EN6000 (PK)	X-038 Engine Speed Sensor X-057M ENGINE INTERFACE	Without cab: **Wiring harnesses - Electrical schema - Engine components - Sheet 13 (55.100)** With cab: **Wiring harnesses - Electrical schema - Engine components - Sheet 12 (55.100)**
43	-	-	-
44	-	-	-
45	-	-	-

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Pressure from the pump

Return to the reservoir

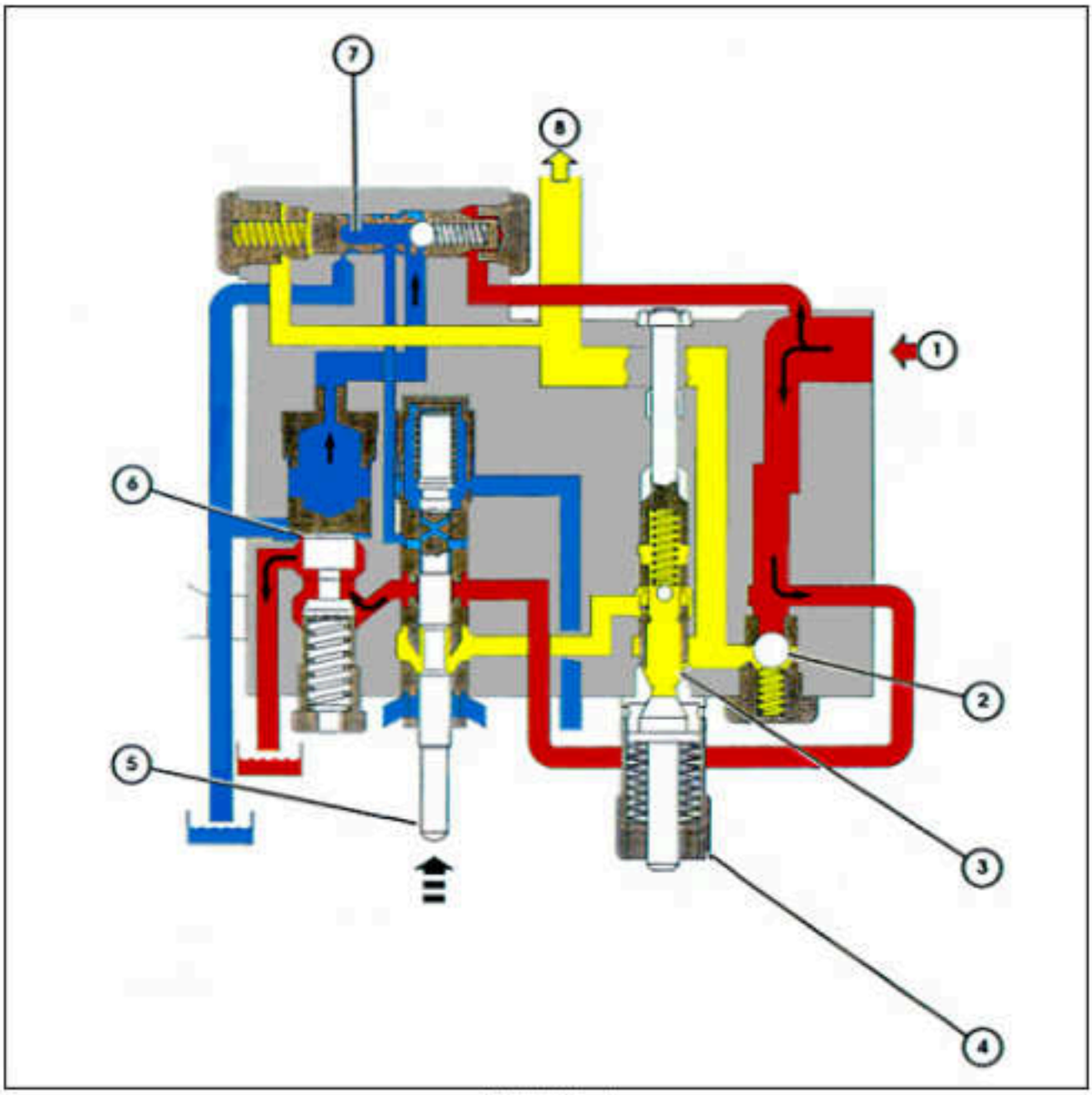
Reference	Component	Reference	Component
(1)	Flow control regulator	(7)	Check valve
(2)	Doser tab	(8)	Raise connection (Cylinder moves out)
(3)	Flow control spindle	(9)	Lower connection (Cylinder retracts)
(4)	Load check valve	(10)	Spindle centering and lock mechanism

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Rear three-point hitch - Dynamic description

Lifting phase – 1st Part

Control valve of the lift – Lifting phase – 1st Part



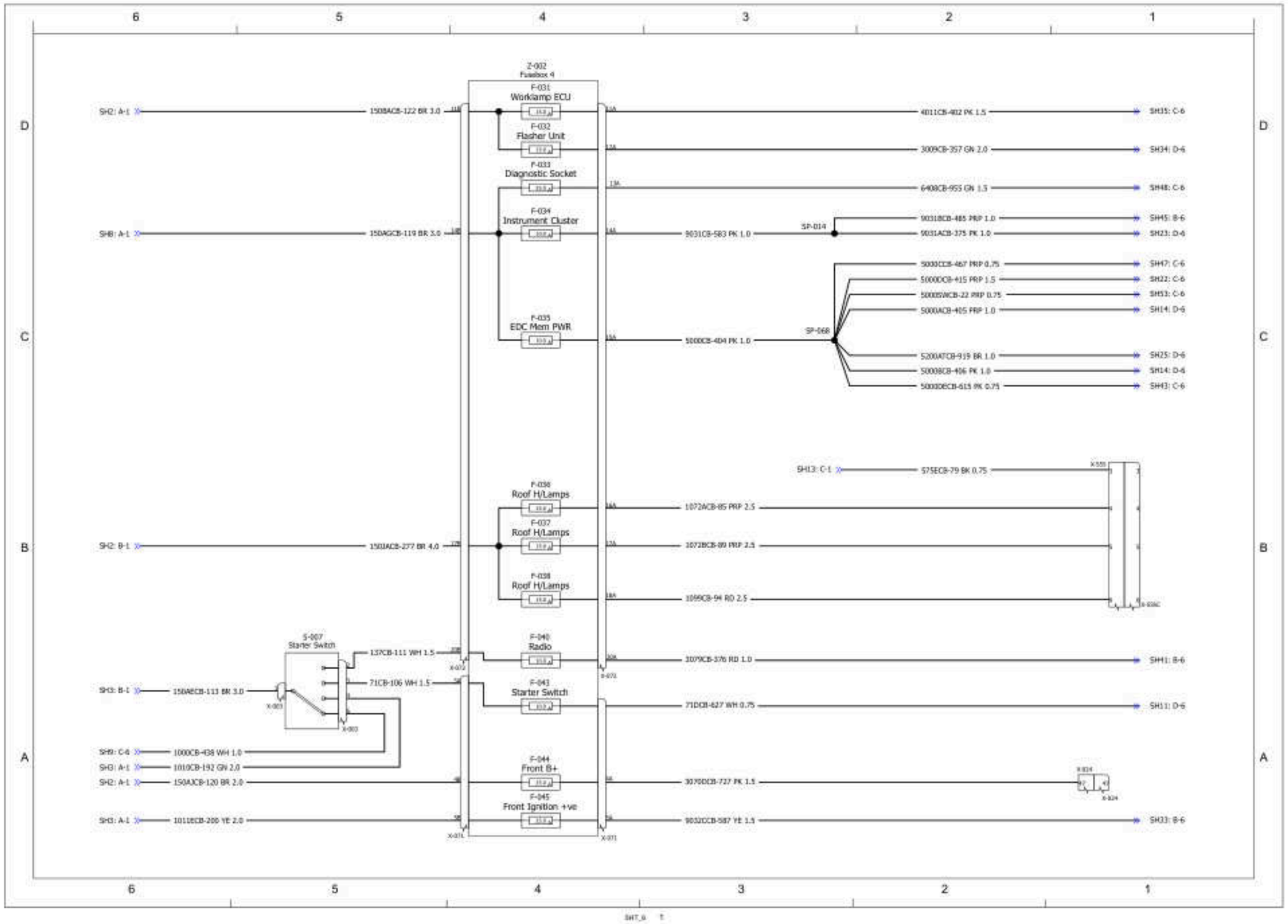
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1. Pump oil inlet
2. Check valve
3. Regulating valve of the lowering speed
4. Relief valve of the cylinder
5. Main valve spool
6. Unload Valve
7. Response-modulating valve
8. To the cylinder of the hydraulic lift

In the lifting phase, the spool of the main valve **(5)** is pushed against the pressure of the spring.

As the spool moves inward, it blocks the oil leaving the pump, which goes to the spool of the response-control valve **(7)**.

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