SERVICE MANUAL

Wheel Loaders LW270



NEW HOLLAND
CONSTRUCTION

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ENGINE

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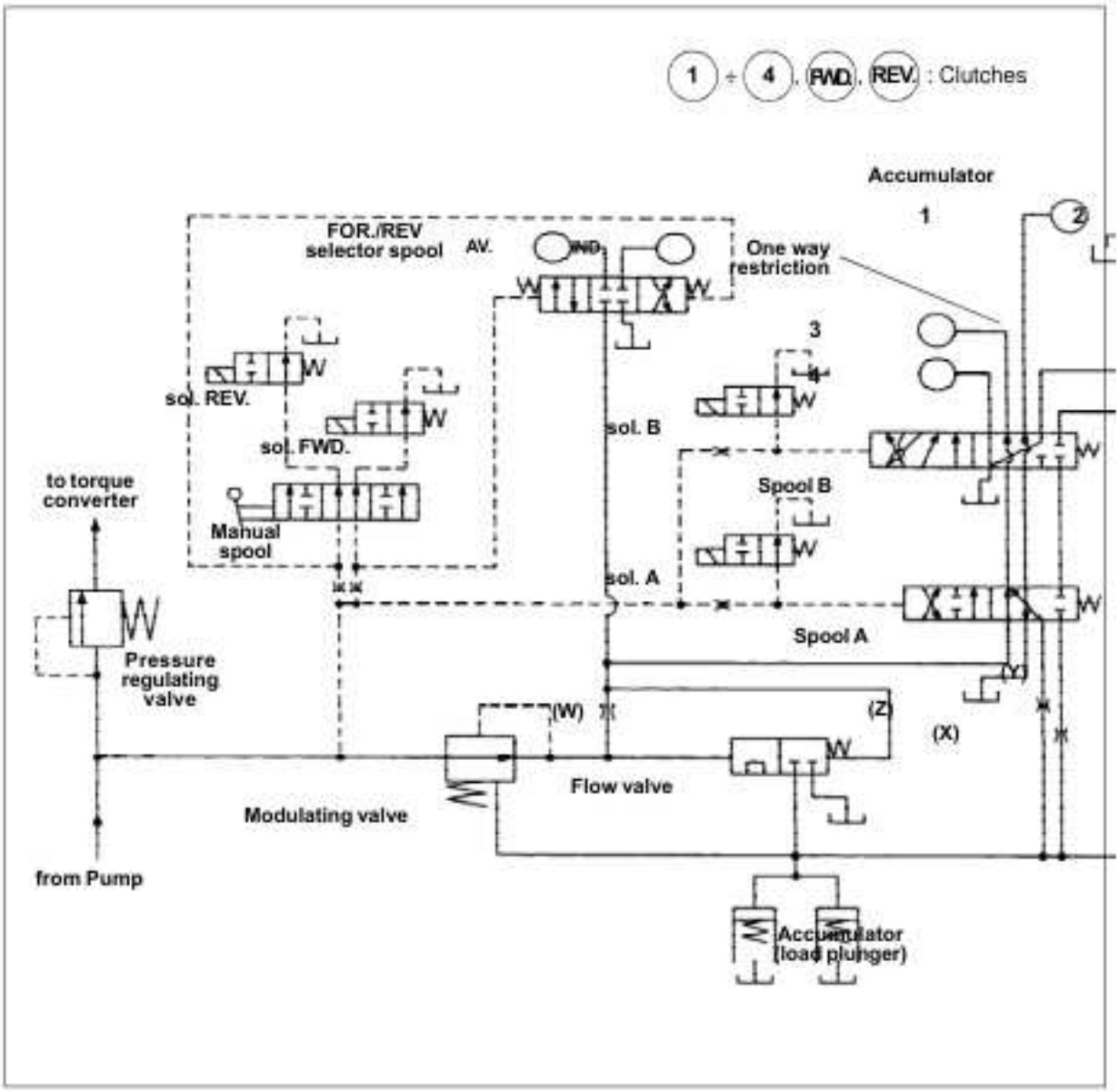


Fig. 2-18 Transmission control valve - Hydraulic circuit diagram

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q) Reassembling cap assembly

1. Install the spring (**3**) and spool (**2**) from the top of the cap (the first/second distributor cap) and tighten the hex. plug (with a "O"-ring) (**1**).

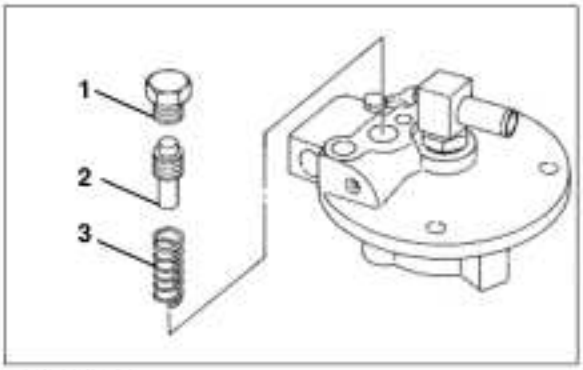


Fig. 2-229

2. Install the check ball (**4**), spring (**3**) and adapter (**2**) from the side and tighten with the plug(with a "O"-ring)(1).

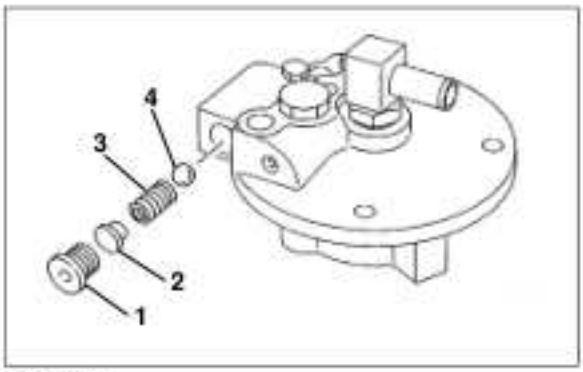


Fig. 2-230

r) Reassembling and reinstalling distributor cap

1. Install the snap ring into the groove at the outer diameter of both the first/second and third/fourth speed shaft bearings.

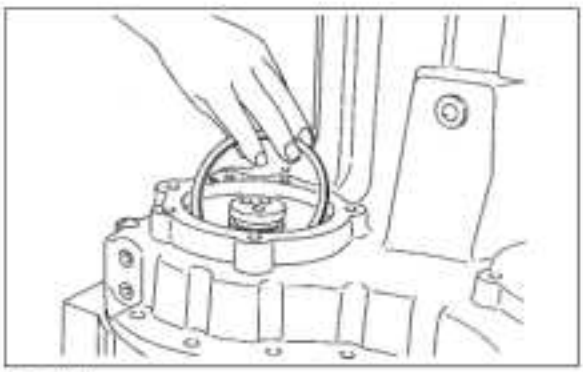


Fig. 2-231

2. Install the spacer onto both the C and third/fourth speed shafts.
3. Apply converter oil on the seal ring of the first/second and third/fourth speed shafts.

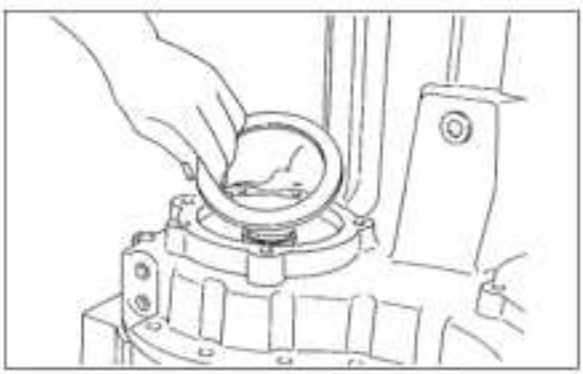


Fig. 2-232

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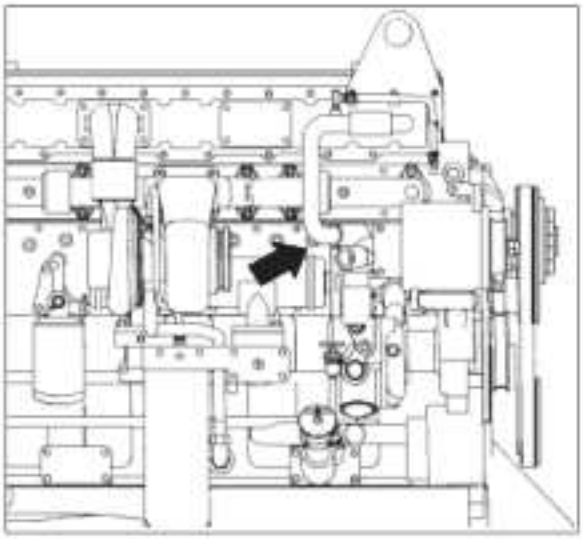
COOLANT TEMPERATURE SENSOR (60B,TAB.3b)

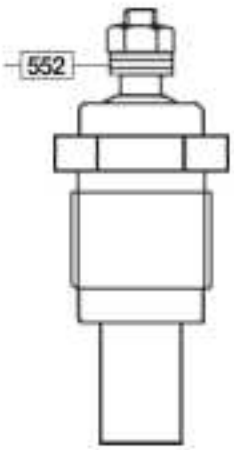
WIRES

552: to coolant temperature indicator on cluster

TECHNICAL DATA

Thread: M16 x 1.5





TRANSMISSION OIL TEMPERATURE SENSOR (121,TAB.3b)

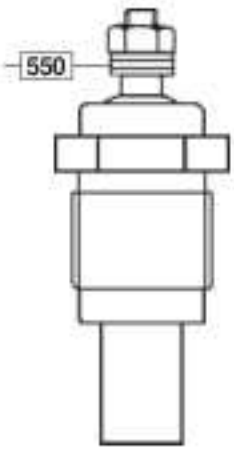
WIRES

550: to transmission oil temperature indicator on cluster

TECHNICAL DATA

Thread: M16 x 1.5





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Operation of manual spool (emergency travel)

Should the solenoid valves fail to operate correctly due to a cut-off electrical connection or any other electrical fault, it is possible to actuate the transmission control valve in Third forward or reverse, using this spool.
It is recommended that this spool is used when the loader has to be moved away from a traffic area or to be repaired.

WARNING

Ensure that the engine is not running prior to operate the manual spool. Should the spool actuated when the engine is running, the loader could move suddenly, causing accidents.

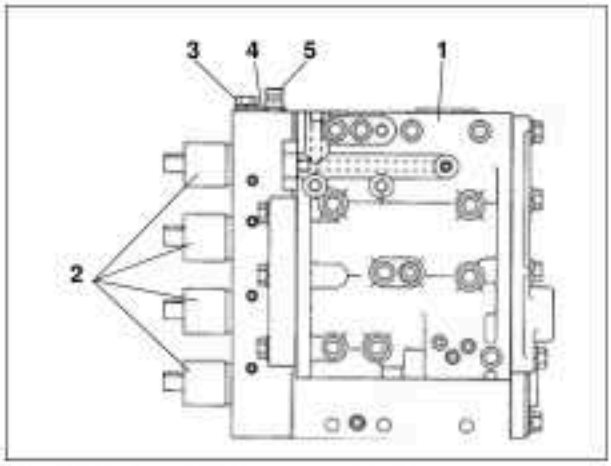


Fig. 2-28 Tansmission control valve

1.Control valve - **2.** Solenoid valves - **3.** Screw - **4.** Spools retainer plate - **5.** Manual spools

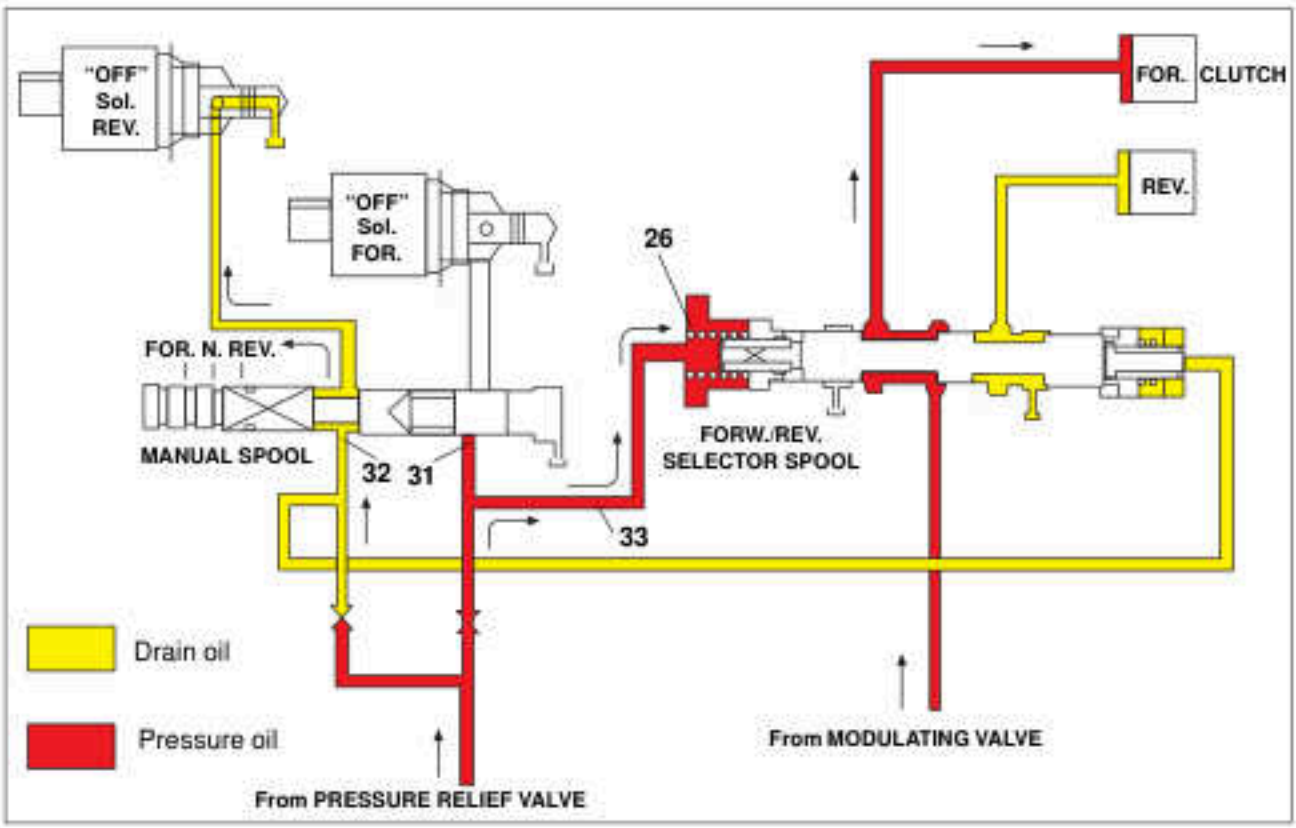
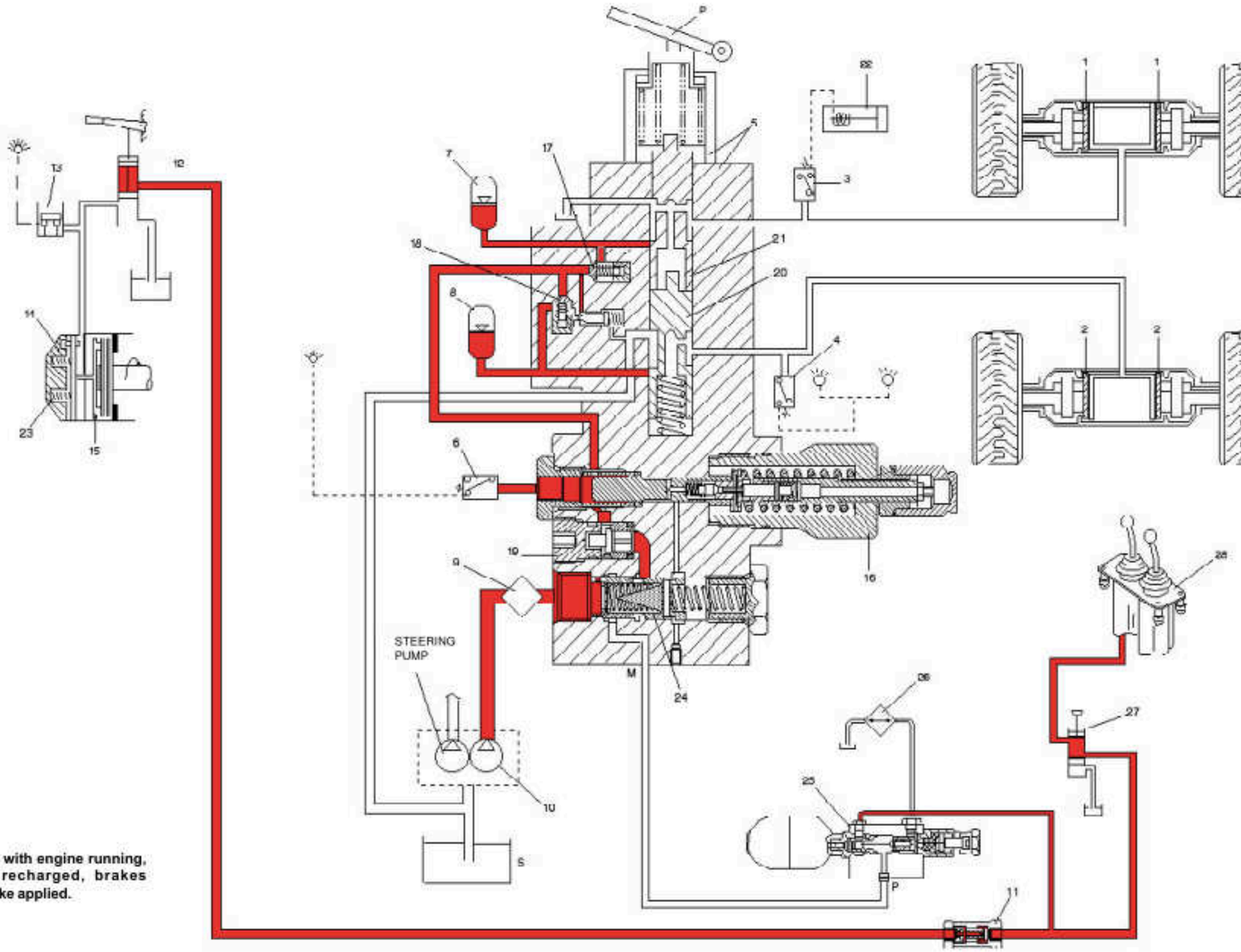


Fig. 2-29 Angaged forward gear by means of manuals spool

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Fig. 3-2 HYDRAULIC BRAKING CIRCUIT SCHEMATIC



Hydraulic circuit shown with engine running, accumulators being recharged, brakes disengaged, parking brake applied.

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