PART NO. WNEM50-EN-01

HITACHI

Reliable solutions

Workshop Manual

ZW250-6

Wheel Loader

Service Manual consists of the following separate Part No.

Technical Manual (Operational Principle)	: Vol. No.TONEM50-EN
Technical Manual (Troubleshooting)	: Vol. No.TTNEM50-EN
Workshop Manual	: Vol. No.WNEM50-EN

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Assembly of Priority Valve

IMPORTANT: Before assembling, apply hydraulic oil onto parts in order to prevent them from seizing.

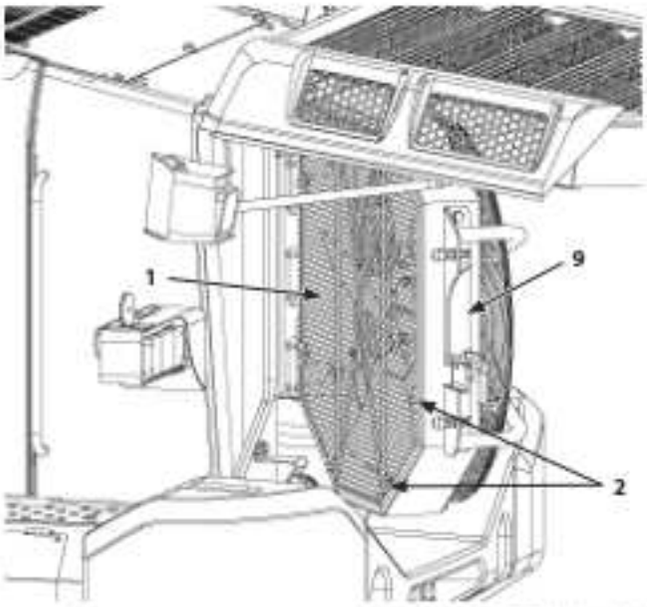
1. Install plug (67) to pump casing (18).
   - : 6 mm
   - : 15 N-m (1.5 kgf-m, 11 lbf-ft)
2. Install seat (68) to pump casing (18).
   - : 7 mm
   - : 15 N-m (1.5 kgf-m, 11 lbf-ft)
3. Install spring (70) and poppet (69) to screw (71). Install the screw (71) assembly to pump casing (18) so that the end of poppet (69) can be inserted into the hole on seat (68).
4. Install nut (73) and gasket (72) to screw (71).
   - : 22 mm
   - : 46 N-m (4.7 kgf-m, 34 lbf-ft)
5. Instal orifice (62) and orifice (61) to spool (76).
   - : 3 mm
   - : 3 N-m (0.3 kgf-m, 2.2 lbf-ft)

IMPORTANT: Check the direction of spool (76).

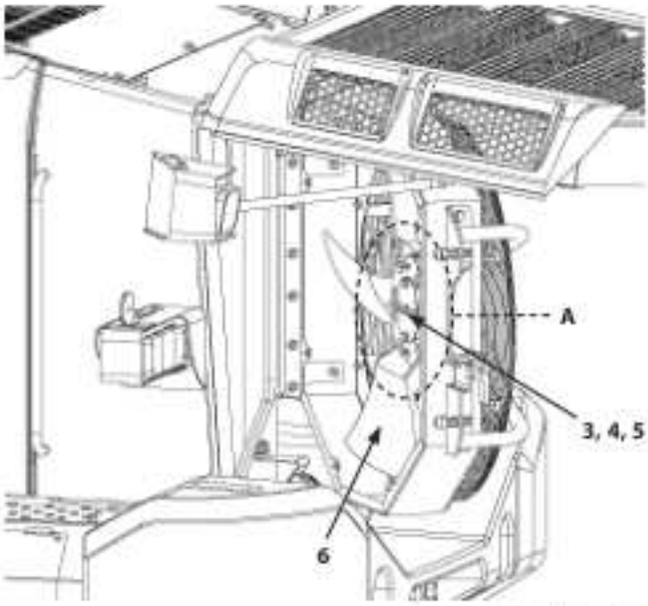
6. Install spool (76) and spring (75) to pump casing (18).
7. Install orifice (62) to plug (64).
   - : 3 mm
   - : 3 N-m (0.3 kgf-m, 2.2 lbf-ft)
8. Install O-ring (65) to plug (64). Install plug (64) to pump casing (18).
   - : 50 mm
   - : 550 N-m (56 kgf-m, 400 lbf-ft)
9. Install O-ring (63B) to plug (63A). Install plug (63A) to pump casing (18).
   - : 41 mm
   - : 450 N-m (46 kgf-m, 330 lbf-ft)
10. Install nut cap (74) and gasket (72) to screw (71).
    - : 22 mm
    - : 37 N-m (3.7 kgf-m, 27.5 lbf-ft)

NOTE: Measure, adjust the steering relief pressure, and install nut cap (74).

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6. Open the hydraulic drive fan (9) assembly.
7. Remove bolts, washers (2) (8 used). Remove guard (1).

: 17 mm

IMPORTANT: When removing fan (6) assembly, do not lose key (7).

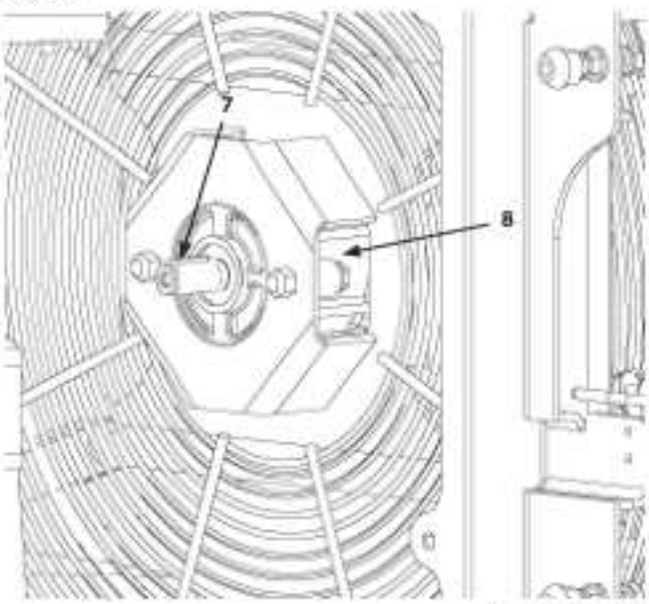
8. Remove bolt (3), spring washer (4), and washer (5). Remove fan (6) assembly from fan motor (8).

: 17 mm

NOTE: LOCTITE #263 or equivalent has been applied on bolt (3).

9. Remove key (7) from fan motor (8).

Detail A



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