PART NO. WDAQ50-EN-00

HITACHI

Reliable solutions

Workshop Manual

ZX
130-6
130LCN-6

Hydraulic Excavator

Service Manual consists of the following separate Part No.

Technical Manual (Operational Principle)	: Vol. No.TODAQ50-EN
Technical Manual (Troubleshooting)	: Vol. No.TTDAQ50-EN
Workshop Manual	: Vol. No.WDAQ50-EN
Engine Manual	: Vol. No.EDBR50-EN

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Procedures to Install Upper Door Glass

1. Before installing the glass, remove garnish (2) around sash assembly (1) from the cab inside for easy removal. Push sash assembly (1) by hands and remove the sash outside.

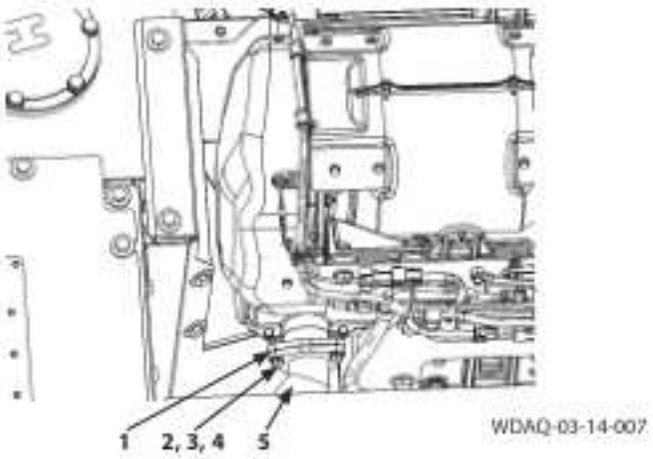
2. Install glass A (3) and glass B (4) into the sash grooves.

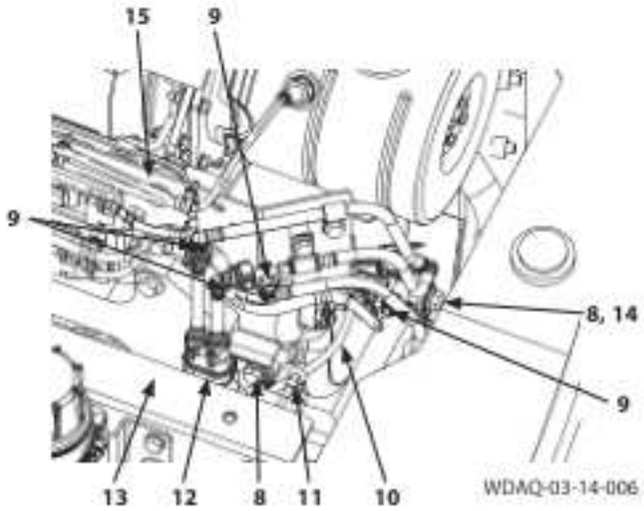
3. Install sash assembly (1) onto the door from the outside of cab. Secure sash assembly (1) at the inside of cab by using garnish (2).



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24. Connect exhaust pipe (5) with gasket (1), nuts (4) (3 used), washers (3) (6 used) and bolts (2) (3 used).

    : 13 mm

    : 20 N·m

25. Install harness (10) to bracket (13) with clip band (12).
26. Connect hoses (9) (4 used).
27. Install hoses (9) (4 used) to bracket (15) with clips (11, 14) and bolts, washers (8) (2 used).

    : 17 mm

    : 50 N·m

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11. Install steel ball (14). Tighten set screw (13). Crimp set screw (13) by using a punch (2 places).

    Boom Cylinder, Bucket Cylinder

    : 5 mm

    : 31.5 N·m

    Arm Cylinder

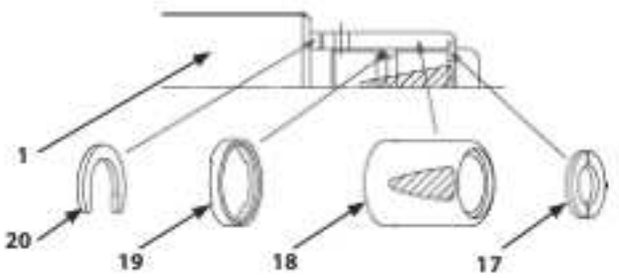
    : 6 mm

    : 56.9 N·m

IMPORTANT: Face the slit of cushion seal (19) to the piston side. Check the direction of oil groove in cushion bearing (18).

12. (only Arm Cylinder)

    Install cushion seal (19), cushion bearing (18), stoppers (17) (2 used), and snap ring (20) to cylinder rod (1).



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CAUTION: Fit the cylinder rod (1) assembly to the center of cylinder tube (12) and install it straight in order not to damage the rings.

CAUTION: Cylinder tube (12) weight:

Boom cylinder: 45 kg

Arm cylinder: 65 kg

Bucket cylinder: 40 kg

CAUTION: The cylinder rod (1) assembly weight:

Boom cylinder: 60 kg

Arm cylinder: 90 kg

Bucket cylinder: 50 kg

13. Secure cylinder tube (12) to a workbench horizontally. Install the cylinder rod (1) assembly to cylinder tube (12).

14. Install cylinder head (6) to cylinder tube (12) with socket bolts (11) (10 used) (boom and bucket cylinder: 12 used).

    Boom Cylinder, Bucket Cylinder

    : 12 mm

    : 171 N·m

    Arm Cylinder

    : 14 mm

    : 267 N·m

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