SEBM016205

SHOP MANUAL

KOMATSU®

D155AX-5

MACHINE MODEL	SERIAL NUMBER
D155AX-5	**70001 and up**

- This shop manual may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require. Materials and specifications are subject to change without notice.

- D155AX-5 mounts the SA6D140E-2 or SA6D140E-3 engine.
  For details of the engine, see the 6D140-2 or 140-3 Series Engine Shop Manual.

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CONTENTS

No. of page

01 GENERAL 01-1

10 STRUCTURE AND FUNCTION 10-1

20 TESTING AND ADJUSTING 20-1

30 DISASSEMBLY AND ASSEMBLY 30-1

40 MAINTENANCE STANDARD 40-1

90 OTHERS 90-1

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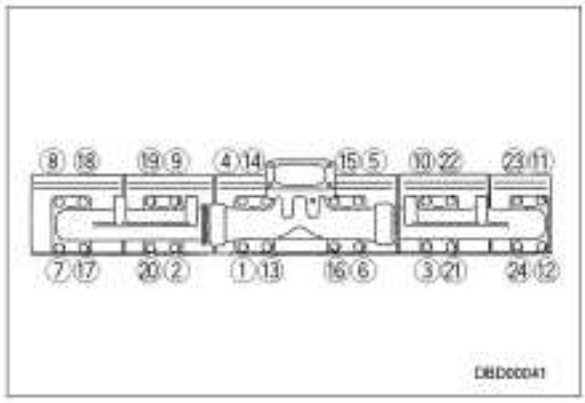
INSTALLATION OF CYLINDER HEAD ASSEMBLY

Serial No. 70001 – 75000

- Carry out installation in the reverse order to removal.

※ 1
Mounting bolt : **66.2 ± 7.4 Nm {6.75 ± 0.75 kgm}**

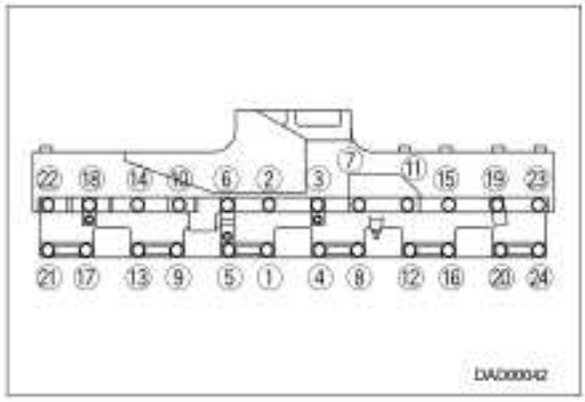
※ 2
★ Tighten the bolts in the order ① - ③ as shown in the diagram on the right, then tighten in the order ④ - ㉔.
Exhaust manifold mounting bolt :
1st step : **29.4 ± 4.9 Nm {3.0 ± 0.5 kgm}**
2nd step : **66.2 ± 7.4 Nm {6.75 ± 0.75 kgm}**



※ 3
Joint bolt : **29.4 ± 4.9 Nm {1.15 ± 0.15 kgm}**

※ 4
★ Install the hoses without twisting or interference.
Joint bolt : **29.4 ± 4.9 Nm {3.0 ± 0.5 kgm}**

※ 5
★ Tighten the bolts in the order of ① - ㉔ as shown in the diagram on the right.
Intake manifold mounting bolt :
1st step : **29.4 ± 4.9 Nm {3.0 ± 0.5 kgm}**
2nd step : **66.2 ± 7.4 Nm {6.75 ± 0.75 kgm}**



※ 6
Intake connector mounting bolt : **49.0 ± 9.8 Nm {5 ± 1 kgm}**

※ 7
Joint bolt : **8.8 ± 1.0 Nm {0.9 ± 0.1 kgm}**

※ 8
Delivery tube sleeve nut : **23.5 ± 1.0 Nm {2.4 ± 0.1 kgm}**

※ 9
Head cover mounting bolt : **24.5 ± 9.8 Nm {2.5 ± 1.0 kgm}**

※ 10
★ Clean the mounting bolt oil holes before installing.
★ Check that the ball of the adjustment screw is fitted properly into the socket of the push rod.
★ Adjust the valve clearance.
For details, see TESTING AND ADJUSTING, ADJUSTING VALVE CLEARANCE.
Rocker arm assembly : **98 ± 4.9 Nm {10 ± 0.5 kgm}**
Locknut : **48.0 ± 2.9 Nm {4.9 ± 0.3 kgm}**

※ 11
★ Adjust the crosshead as follows.
1) Loosen locknut, then turn adjustment screw back.
2) Press top of crosshead lightly and tighten adjustment screw.
3) When adjustment screw contacts valve stem, screw in a further 20°.
4) Tighten locknut to hold in position.
Locknut : **58.8 ± 5.9 Nm {6.0 ± 0.6 kgm}**

※ 12
Locknut : **39.2 ± 4.9 Nm {4.0 ± 0.5 kgm}**

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REMOVAL OF RIPPER PPC VALVE ASSEMBLY

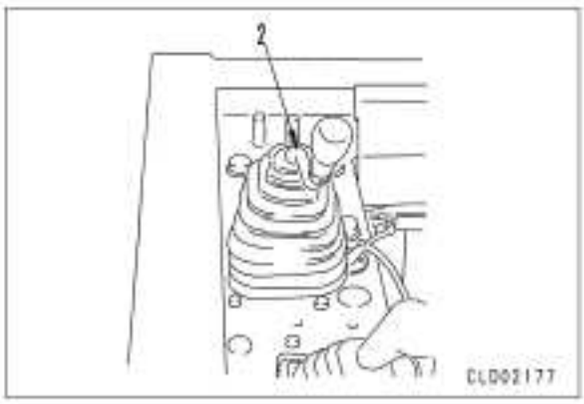


⚠ Fully lower work equipment to the ground. Release the remaining pressure in the circuit. For details, see TESTING AND ADJUSTING, RELEASING REMAINING PRESSURE IN HYDRAULIC CIRCUIT. Then loosen the oil filler cap slowly to release the pressure inside the hydraulic tank.

1. Remove operator' seat, remove 1 cover on inside right, then remove side cover on right side of chassis.

   kg Operator's seat: **50 kg**

2. Remove cover (1).
   ★ Disconnect the horn switch connector (CN262) at the same time.



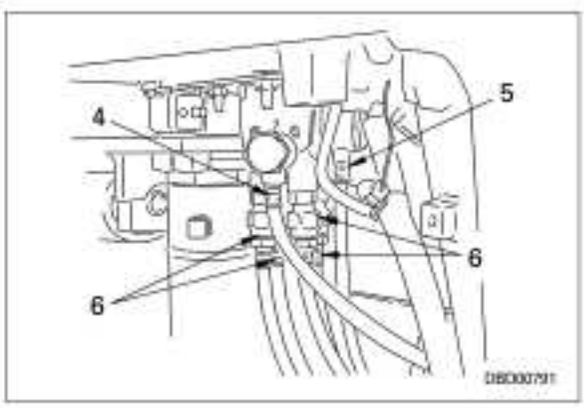
3. Loosen lock bolt of lever (2), and pull out lever (2) together with boot.

4. Remove lever guide.
   Serial No. Only 75001 and up

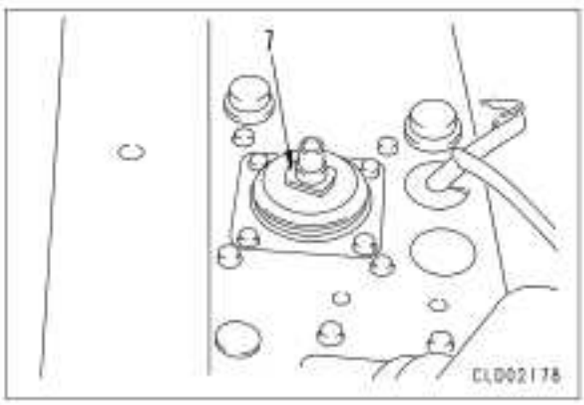
5. Disconnect pump hose (4). ※ 1

6. Disconnect drain hose (5). ※ 2

7. Disconnect PPC hose (6). ※ 3

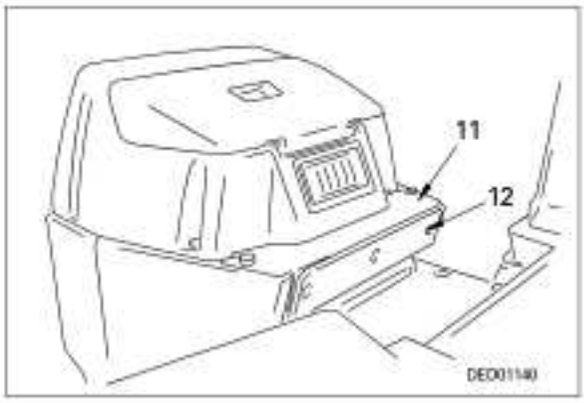


7. Remove ripper PPC valve assembly (7). ※ 4



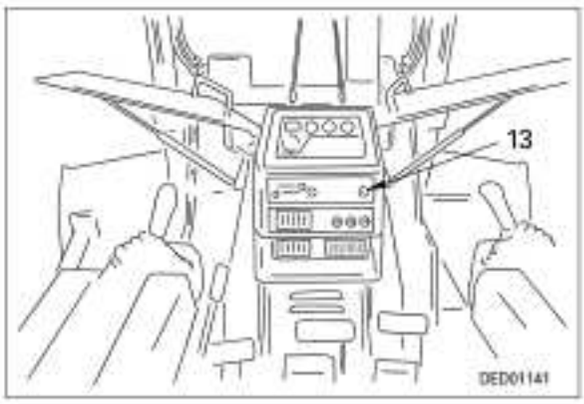
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11. Remove covers (11) and (12), and install eyebolts.



12. Remove mounting bolts, then lift off dashboard assembly (13).

kg Dashboard assembly : **85 kg**



INSTALLATION OF DASHBOARD ASSEMBLY

Serial No. 70001 – 75000

- Carry out installation in the reverse order to removal.

※ 1
- ★ Install the hoses without twisting or interference.
- ★ Install the air conditioner circuit hoses carefully to prevent dirt, dust, or water from getting inside the hoses.
- ★ Check that there are O-rings at the piping connection of the air conditioner hoses, and coat the O-rings thoroughly with compressor oil before connecting.

- **Charging with air conditioner gas**
  Using tool **X**, charge air conditioner circuit with new freon gas (R134a).

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