

KOMATSU SK714-5,SK815-5 Skid-Steer Loader Service Repair Workshop Manual(WEBM003400)



SHOP MANUAL

KOMATSU

PC340, PC340LC-6k PC340NLC-6k

MACHINE MODEL

SERIAL NUMBER

PC340-6k

K30001 and up

PC340LC -6k

K30001 and up

PC340NLC-6k

K30001 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.
- PC340-6K mount the SA6D114E-1 engine.
For details of the engine, see the Engine Shop Manual.

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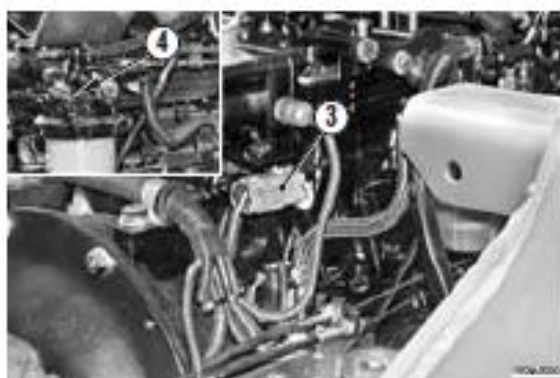
MEASUREMENT OF THE COMPRESSION PRESSURE

⚠ While measuring the compression, take care not to get entangled in the cooling fan, the alternator belt, or in other rotating parts.
Check all cylinders.

★ Test conditions:

- Engine: at working temperature.
- Olio idraulico: 45–55°C.
- Battery: fully charged.
- Valve clearance: adjusted
(See «ADJUSTMENT OF VALVE CLEARANCE»).

- 1 - Remove air filter with support.
- 2 - Disconnect the high-pressure tube (1).
- 3 - Remove the nozzle holder (2) of the cylinder to be checked.
- 4 - Disconnect the connector (3) of the engine-stopping solenoid and close the fuel cock (4).
- 5 - Turn the engine over a few times, using the starting motor.



- 6 - Mount the adapter C2 and connect the test pressure gauge C1.

★ Check that the seal is mounted in the adapter, and that it is undamaged.

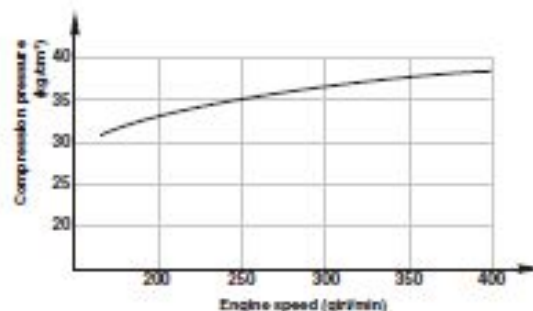
- 7 - Turn the engine using the starting motor and read the compression value.

- ★ Read the compression value when the pressure gauge has stabilised.
- ★ While reading the compression, also check the engine rpm using the tachometer A1 or A2. If the speed does not correspond with the control value, check it against the diagram.
- ★ Compression value:
Normal: $35 \pm 1 \text{ kg/cm}^2$ at 250 rpm
Minimum permissible: $26 \pm 1 \text{ kg/cm}^2$ at 250 rpm
- ★ Maximum difference between the cylinders:
 $2-3 \text{ kg/cm}^2$

- 8 - After the reading, re-assemble the nozzle holder (2), and reconnect the high-pressure tube (1) and the connector (3).

Nut that secures the nozzle: $7.64 \pm 0.98 \text{ Nm}$

High-pressure coupling: $31.85 \pm 2.45 \text{ Nm}$





Thank you very much
for your reading.
Please click here
to get more information.