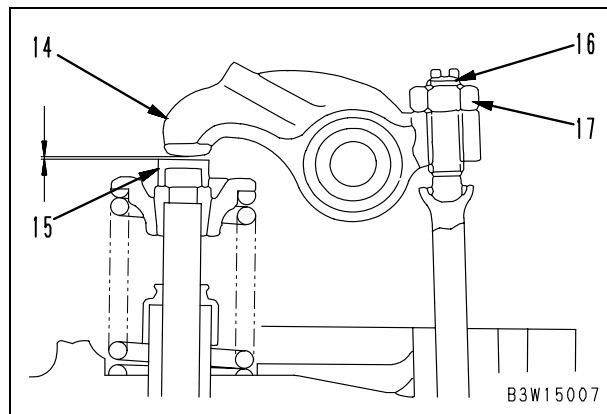
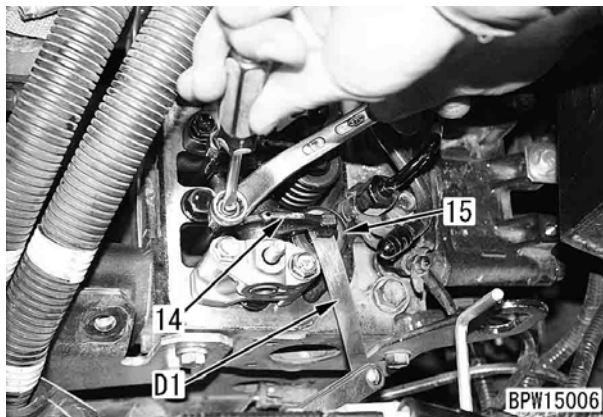


- ★ The engine cylinder on the flywheel side is the No. 1 cylinder.
- ★ When the cylinder is at the compression top dead center, the rocker arms of both intake and exhaust valves can be moved by the valve clearance. If the rocker arms cannot be moved, rotate the crankshaft one more turn.

13. After finishing adjustment, remove the measuring instruments and return the removed parts.

11. Insert clearance gauge **D1** between rocker arm (14) and valve cap (15) to check the valve clearance.



12. If the valve clearance is out of the standard range, loosen locknut (17) and insert clearance gauge **D1** between rocker arm (14) and valve cap (15) and tighten adjustment screw (16) to a degree that you can move the clearance gauge lightly and then tighten locknut (17).

☞ Locknut:

$25.48 \pm 2.9 \text{ Nm}$ { $2.6 \pm 0.3 \text{ kgm}$ }

- ★ While watching the rocker arm movement, rotate the crankshaft by 180° and check the valve clearance of each cylinder in the firing order.
- Firing order: 1 – 3 – 4 – 2
- ★ When each cylinder is at the compression top dead center, the rocker arms of both intake and exhaust valves can be moved by the valve clearance.

Testing compression pressure

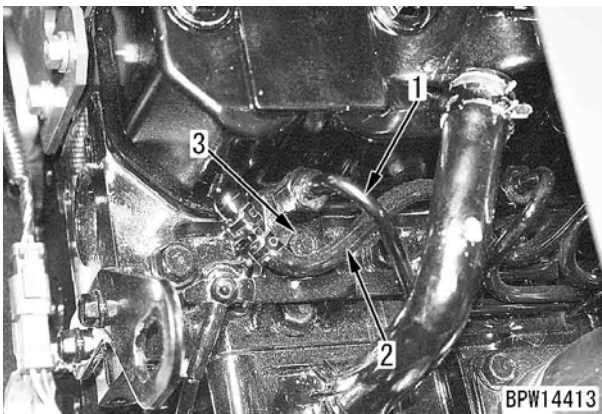
Necessary tools

Symbol		Part No.	Part Name
E	1	795-502-1590	Compression gauge
	2	795-111-1130	Adapter
	3	795-101-1571	Joint

⚠ When measuring the compression pressure, take care not to burn yourself on the exhaust manifold, muffler, etc. or get caught in the fan, fan belt, or another rotating part.

Testing

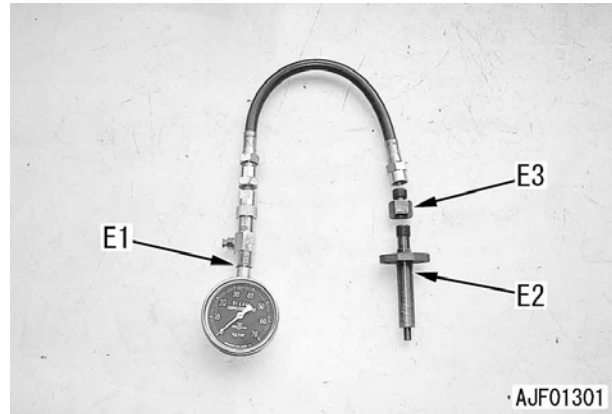
1. Adjust the valve clearance.
For details, see "Testing and adjusting valve clearance".
2. Warm up the engine until the engine oil temperature rises to 40 – 60°C.
3. Remove fuel tube (1), spill hose (2) and nozzle holder assembly (3) of the cylinder to be measured.



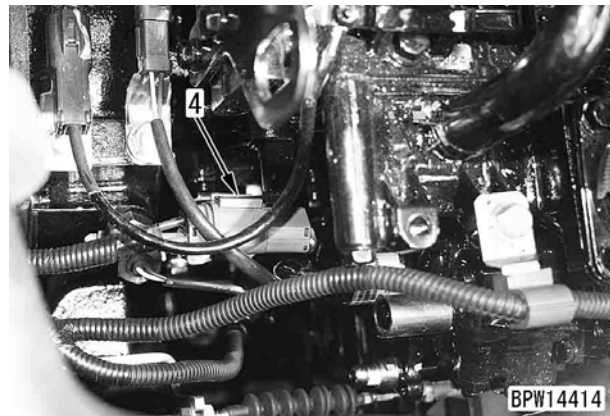
4. Install adapter **E2** and joint **E3** to the nozzle holder mounting part and connect compression gauge **E1**.

⌘ Adapter mounting nut:

$4.41 \pm 0.49 \text{ Nm} \{0.45 \pm 0.05 \text{ kgm}\}$



5. Disconnect connector (4) of the engine stop solenoid.



6. Crank the engine with the starting motor and measure the compression pressure.
 - ★ Read the compression gauge when its pointer is stabilized.
 - ★ After measuring the compression pressure, install the nozzle holder assembly.
- ⌘ Nozzle holder assembly mounting nut:
 $4.41 \pm 0.49 \text{ Nm} \{0.45 \pm 0.05 \text{ kgm}\}$
- ⌘ Fuel tube mounting nut:
 $29 - 34 \text{ Nm} \{3.0 - 3.5 \text{ kgm}\}$
7. After finishing, remove the testing tools and return the removed parts.