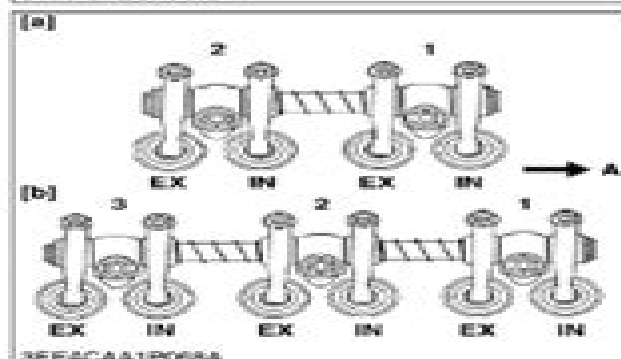
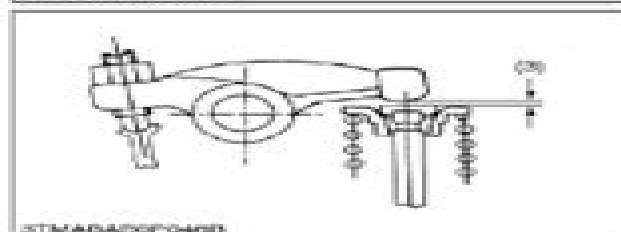
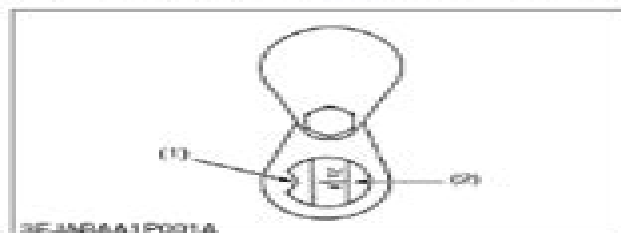


[9] CHECK POINT OF EVERY 800 HOURS



Valve Clearance

■ IMPORTANT

- The valve clearance must be checked and adjusted when engine is cold.
- Remove the head cover, the glow plugs and the timing window cover on the flywheel housing.
- Align the 1TC mark line (2) on the flywheel and center of timing window (1) so that the No. 1 piston comes to the compression or overlap top dead center.
- Check the following valve clearance marked with "★" using a feeler gauge.
- If the clearance is not within the factory specifications, adjust with the adjusting screw.

Intake and exhaust valve clearance (Cold)	Factory spec.	0.145 to 0.155 mm 0.00571 to 0.00728 in.
---	---------------	---

■ NOTE

- The "TC" marking line on the flywheel is just for No. 1 cylinder. There is no TC marking for the other cylinders.
- No. 1 piston comes to the top dead center position when the TC marking is aligned with center of timing window on flywheel-housing. Turn the flywheel 0.26 rad (15 °) clockwise and counterclockwise to see if the piston is at the compression top dead center or the overlap position. Now referring to the table below, readjust the valve clearance. (The piston is at the compression top dead center when both the IN. and EX. valves do not move; it is at the overlap position when both the valves move.)
- Finally turn the flywheel 6.28 rad (360 °) and align the TC marking line and the center of timing window. Adjust all the other valve clearance as required.
- After turning the flywheel counterclockwise twice or three times, recheck the valve clearance, firmly tighten the lock nut of the adjusting screw.
- The sequence of cylinder numbers is given as No. 1, No. 2 and No. 3 starting from the gear case side.

Engine valve arrangement Adjustable cylinder location of piston	GL7000		GL11000	
	IN.	EX.	IN.	EX.
No.1	★	★	★	★
No.2	★	★	★	★
No.3	—	—	★	★

★ : When No.1 piston is at the compression top dead center position.

★ : When No.1 piston is at the overlap position.

- (1) Timing Window
(2) 1TC Mark Line
(3) Valve Clearance

- A : Gear Case Side
[a] GL7000
[b] GL11000

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Lei Huang



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