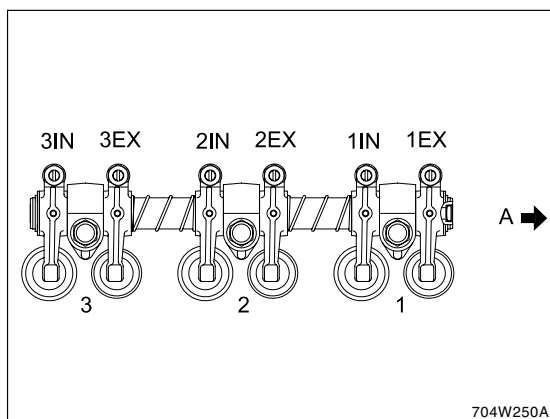
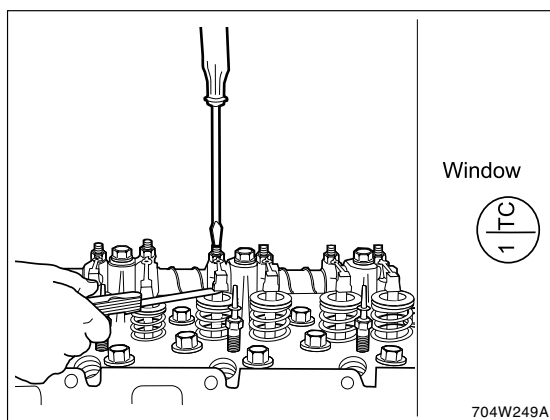


4.3 VALVE CLEARANCE

1. Remove the cylinder head cover and the timing window cover on the flywheel housing and all glow plugs.
2. Turn the flywheel and align the 1 TC mark mark with the timing mark of window on the flywheel housing. This will position the 1st cylinder valves at the top dead center during compression stroke.
3. Measure the clearance at the valves marked with in the table below with a feeler gauge.
4. If the clearance is not within the factory specifications, turn the adjusting screw to adjust.
5. Turn the flywheel just one turn to position the 1st cylinder valves at the top head center during overlap.
6. Measure the clearance at the valves marked with in the table below with a feeler gauge.
7. If the clearance is not within spec. ; adjust. See above.

Factory spec.	3A139/	In. : 0.25 mm 0.0098 in.
	3A150	Ex. : 0.30 mm 0.0118 in.
	3A165	In. : 0.1 mm 0.0039 in.
	TD1300	Ex. : 0.1 mm 0.0039 in.

Cylinder NO.	1		2		3	
Valve	IN.	EX.	IN.	EX.	IN.	EX.
Checking	○	○	●	○	○	●



(A) Gear Case