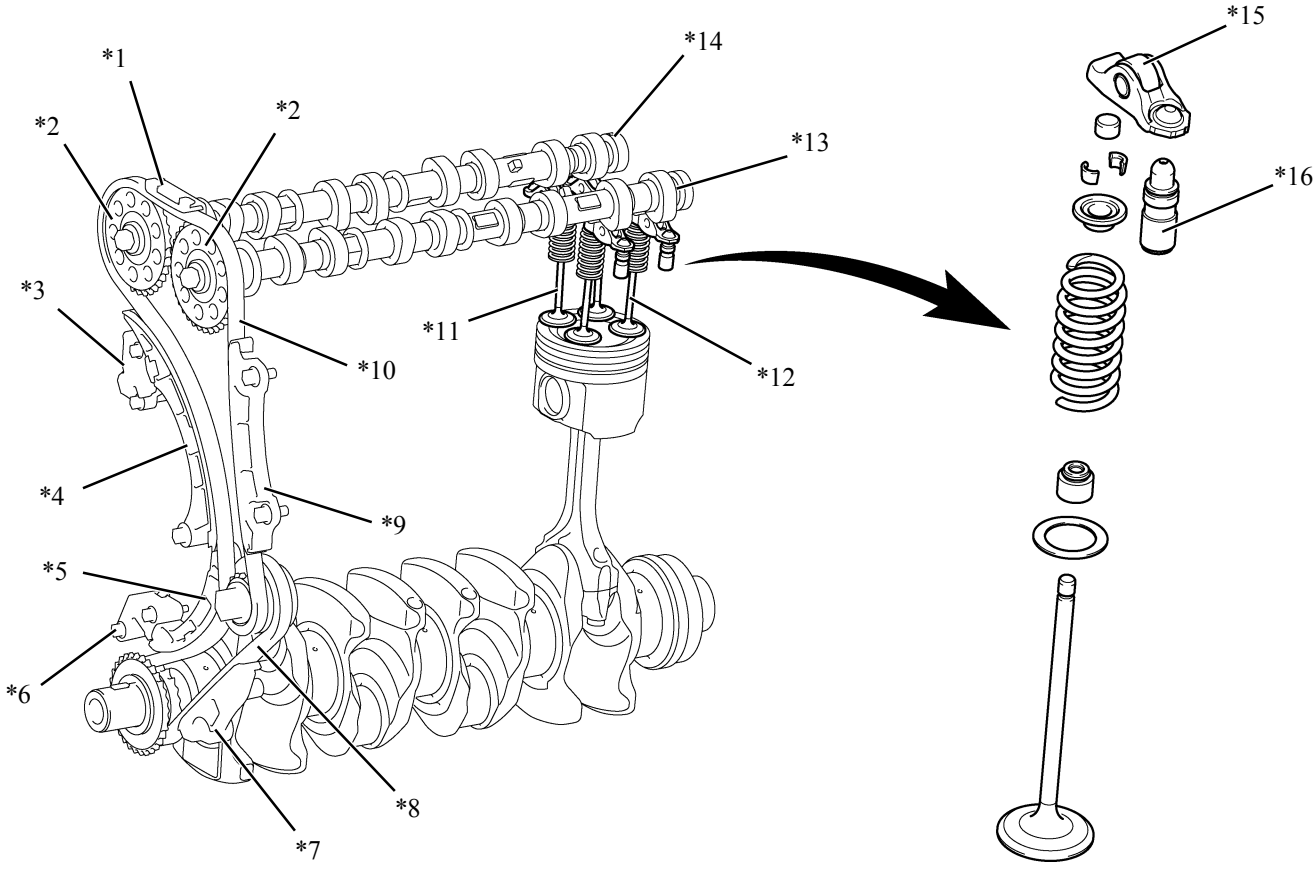
■ VALVE MECHANISM

1. Construction

- This engine uses valve rocker arm sub-assemblies with built-in needle roller bearings. This reduces the friction that occurs between the cams and the roller rocker arms when the valves are pushed down, thus improving fuel economy.
- A valve lash adjuster assembly, which maintains a constant zero valve clearance through the use of oil pressure and spring force, is used.
- Oil lubrication for the valve rocker arm sub-assemblies are conducted by the oil delivery pipe in the cylinder head cover sub-assembly.
- The intake camshaft and exhaust camshaft are driven by the crankshaft via the timing chain.



Text in Illustration

*1	Timing Chain Guide	*2	Camshaft Timing Sprocket
*3	No. 2 Chain Tensioner Assembly	*4	No. 2 Chain Tensioner Slipper
*5	No. 1 Chain Tensioner Slipper	*6	No. 1 Chain Tensioner Assembly
*7	No. 1 Chain Vibration Damper	*8	Chain Sub-assembly
*9	No. 2 Chain Vibration Damper	*10	No. 2 Chain Sub-assembly
*11	Exhaust Valve	*12	Intake Valve
*13	Intake Camshaft	*14	Exhaust Camshaft
*15	No. 1 Valve Rocker Arm Sub-assembly	*16	Valve Lash Adjuster Assembly