

B3E011002000204

L3 (with variable valve timing mechanism)

1. Timing chain  
2. Timing sprocket  
3. Timing tensioner  
4. Camshaft  
5. Timing chain  
6. Camshaft lifter  
7. Pushrod  
8. Engine block  
9. Cylinder head  
10. Timing cover

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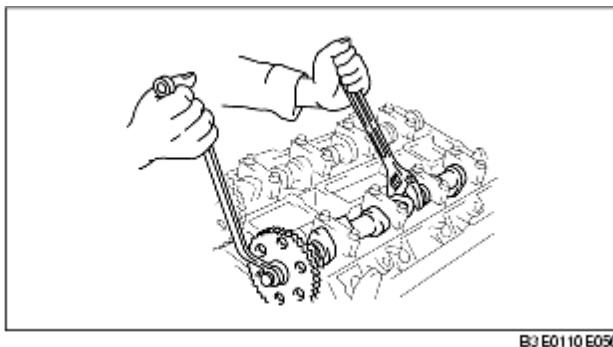
1	Camshaft sprocket lock bolt, variable valve timing actuator lock bolt (L3 (with variable valve timing mechanism)) (See <a href="#">Camshaft Sprocket Lock Bolt, Variable Valve Timing Actuator Lock Bolt (L3 (with variable valve timing mechanism)) Disassembly Note.</a> )
2	Camshaft sprocket, variable valve timing actuator (L3 (with variable valve timing mechanism))

3	Oil control valve (OCV) (L3 (with variable valve timing mechanism))
4	Camshaft cap (See <a href="#">Camshaft Cap Disassembly Note.</a> )
5	Camshaft
6	Tappet (See <a href="#">Tappet Disassembly Note.</a> )
7	Cylinder head bolt (See <a href="#">Cylinder Head Bolt Disassembly Note.</a> )
8	Cylinder head
9	Cylinder head gasket
10	Cylinder block

## Camshaft Sprocket Lock Bolt, Variable Valve Timing Actuator Lock Bolt (L3 (with variable valve timing mechanism)) Disassembly Note

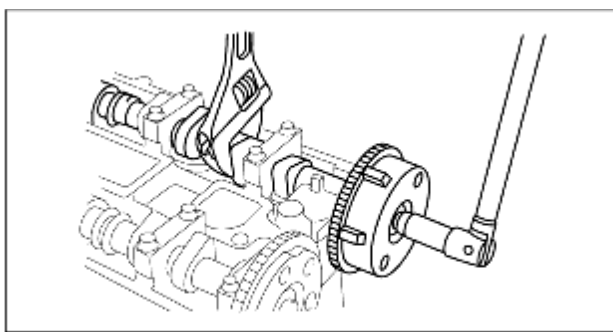
1. Hold the camshaft by using a wrench on the cast hexagon as shown, and loosen the camshaft sprocket installation bolt or variable valve timing actuator installation bolt (L3 (with variable valve timing mechanism)).

**L8, LF, L3**



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**L3 (with variable valve timing mechanism)**



B3 E0110 E058

## Camshaft Cap Disassembly Note

1. Before removing the camshaft caps, inspect the following:

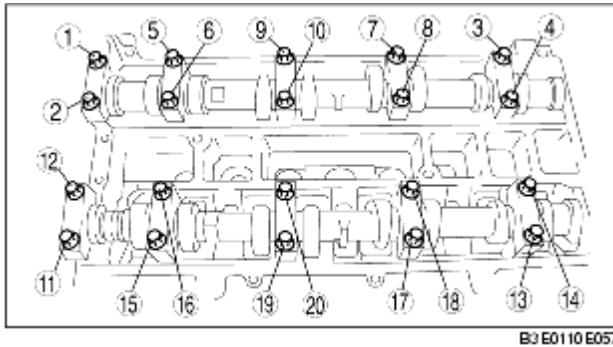
- Camshaft end play and camshaft journal oil clearance (See [CAMSHAFT INSPECTION.](#))

### Note

- The camshaft caps are numbered to make sure they are assembled in their original positions. When

removed, keep the caps with the cylinder head they were removed from. Do not mix the caps.

2. Loosen the camshaft caps bolts in 2-3 passes in the order shown in the figure.



## Tappet Disassembly Note

### Note

- The tappets are numbered to make sure they are assembled in their original positions. When removed, keep the tappets with the cylinder head they were removed from. Do not mix the tappets.

## Cylinder Head Bolt Disassembly Note

1. Loosen the cylinder head bolts in 2-3 passes in the order shown in the figure.

