12. REMOVE CYLINDER HEAD COVER SUB-ASSEMBLY

(a) Remove the 13 bolts, seal washer and cylinder head cover.

NOTICE:
As gasket may stick to the cylinder head cover, be careful not to drop any of the gaskets into the engine when removing the cylinder head cover.

(b) Remove the 2 gaskets from the camshaft bearing cap.

13. REMOVE CYLINDER HEAD COVER GASKET

(a) Remove the cylinder head cover gasket.

14. REMOVE SPARK PLUG TUBE GASKET

(a) Pry up the 4 claws of the ventilation baffle plate.

NOTICE:
Do not deform the claws of the baffle plate more than necessary.
(b) Using a hammer and the plug tube gasket which has had the sealing part cut off, uniformly tap in a new plug tube gasket all the way.

Text in Illustration

<table>
<thead>
<tr>
<th>*1</th>
<th>Plug Tube Gasket without Sealing Part</th>
</tr>
</thead>
<tbody>
<tr>
<td>*2</td>
<td>New Plug Tube Gasket</td>
</tr>
</tbody>
</table>

- Keep the lip free of foreign matter.
- Do not tap in the plug tube gasket.

HINT:

If a plug tube gasket that will be used to install a new gasket is deformed, and cannot be positioned on a new gasket, correct the deformation using pliers.

(c) Return the claws of the ventilation baffle plate to their original positions.

44. INSTALL CYLINDER HEAD COVER GASKET

(a) Install a new cylinder head cover gasket to the cylinder head cover.

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<table>
<thead>
<tr>
<th>*1</th>
<th>Cylinder Head Cover</th>
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<tbody>
<tr>
<td>*2</td>
<td>Cylinder Head Cover Gasket</td>
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</tbody>
</table>

- Remove any oil from the contact surfaces.
- Misalignment between the center of the cylinder head cover rib
and the center of the cylinder head gasket tab is within 4 mm (0.157 in.).

45. INSTALL CYLINDER HEAD COVER SUB-ASSEMBLY

(a) Install 2 new gaskets to the camshaft bearing cap.

(b) Apply seal packing as shown the illustration.

Seal packing:

Toyota Genuine Seal Packing Black, Three Bond 1207B or equivalent

Standard diameter:

4.0 mm (0.157 in.)

- Remove any oil from the contact surfaces.
- Install the cylinder head cover sub-assembly within 3 minutes and tighten the bolts within 15 minutes of applying seal packing.
- Do not start the engine for at least 2 hours after the installation.

(c) Install the cylinder head cover with a new seal washer and the 13 bolts.
Torque: **10 N·m (102 kgf·cm, 7 ft·lbf)**

**NOTICE:**

Misalignment between the contact surfaces of the timing chain cover and the camshaft housing and the center of the cylinder head gasket tab is within 4 mm (0.157 in.).

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<thead>
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</thead>
<tbody>
<tr>
<td>*1</td>
<td>Timing Chain Cover</td>
</tr>
<tr>
<td>*2</td>
<td>Camshaft Housing</td>
</tr>
<tr>
<td>*3</td>
<td>Cylinder Head Cover Gasket</td>
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</tbody>
</table>

### 46. INSTALL ENGINE OIL PRESSURE SWITCH ASSEMBLY

(a) Apply adhesive to 2 or 3 threads of the engine oil pressure switch assembly.

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<tbody>
<tr>
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<td>Adhesive</td>
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