46: Changing the bevel gear oil

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Changing the bevel gear oil

**Background**

All engine variants of the XC90 AWD now use the same oil in the bevel gear to prevent any oil traces around the pinion seal. This Service Bulletin describes replacing the oil in the bevel gear.

### Material

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission oil</td>
<td>1</td>
<td>1161648</td>
</tr>
<tr>
<td>Gasket</td>
<td>1</td>
<td>11998</td>
</tr>
</tbody>
</table>

### Special tool

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>Oil suction device</td>
<td>951 2859</td>
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</tbody>
</table>

### Removal

**Draining oil**

- Remove:
  - the splash guard under the engine
  - the oil level/filler plug.

Use oil suction device 951 2859. Note the level of the oil in the container.

Form a suction pipe of suitable diameter so that it can reach down to the bottom of the bevel gear housing.

If the suction pipe is correctly positioned and the bevel gear correctly filled the drained oil volume should be 0.45 liters.

Remove the suction pipe from the bevel gear.
Installation

Filling with oil

Position a paper towel under the bevel gear filler hole.
Top up with oil P/N 1161648. Use an oil gun. Strict cleanliness is important.
The oil capacity of a totally drained bevel gear is 0.5 liters.

Install:
- the oil level/filler plug with a new gasket. Tighten to 35 Nm. Wipe up any spilled oil
- the splash guard under the engine.

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