



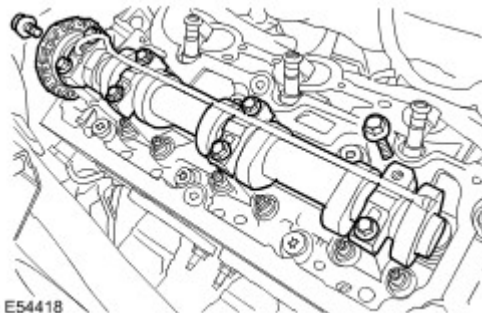
Camshaft RH (12.13.03)

Removal

NOTE :

Removal of the LH camshaft is similar to this procedure.

1. Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)
2. Refer to valve timing check and adjust. For additional information, refer to (Section 303-01)
3. Remove the camshaft sprocket bolt.
 - ▶ Position the sprocket and chain aside.
4. **NOTE :**
Remove the camshaft bearing caps evenly and in stages.
NOTE :
Note the fitted position.
Remove the camshaft bearing caps.
 - ▶ Remove the 8 bolts.
 - ▶ Collect the camshaft oil supply line.
5. Remove the camshaft.



Installation

1. Install the camshaft.
 - ▶ Clean the component mating faces.
 - ▶ Lubricate the components with clean engine oil.
2. **NOTE :**
Note the fitted position.
Install the camshaft bearing caps.
 - ▶ Clean the component mating faces.

- ▶ Lubricate the components with clean engine oil.

3 .

NOTE :

After installing the bolts check the camshaft is free to rotate.

Install the camshaft oil supply line.

- ▶ Thoroughly clean and inspect the oil supply line.
- ▶ Prime the oil supply line with clean engine oil.
- ▶ Working in a diagonal sequence, evenly and progressively tighten the bolts in 2 stages.
- ▶ Tighten the bolts to 6 Nm (4 lb.ft).
- ▶ Tighten the bolts to 16 Nm (12 lb.ft).

4 .

Install the camshaft sprocket bolt.

- ▶ Install the bolt, but do not tighten fully at this stage.

5 .

Adjust the valve timing. For additional information, refer to (Section 303-01)

6 .

Connect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)