



## Camshaft Roller Follower (12.29.57)

### Special Service Tools




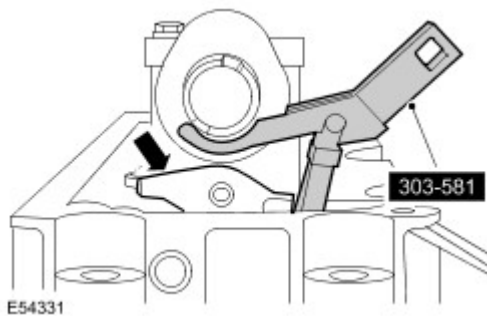
Camshaft roller follower remover/replacer  
303-581

### Removal

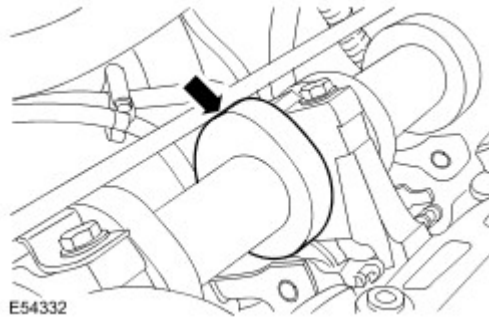
1. Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)
2. Remove the LH valve cover. For additional information, refer to [Valve Cover LH \(12.29.43\)](#) (Section 303-01)
3. Remove the RH valve cover. For additional information, refer to [Valve Cover RH \(12.29.44\)](#) (Section 303-01)
4. Remove the viscous fan assembly. For additional information, refer to [Cooling Fan \(26.25.19\)](#) (Section 303-03)

5. **NOTE :**  
Make sure the camshaft lobe is opposite the camshaft roller follower, prior to removal.  
**NOTE :**  
Mark each camshaft roller follower and lash adjuster. Make sure each component is returned to its original fitted position.  
Using the special tool, remove the camshaft roller followers.

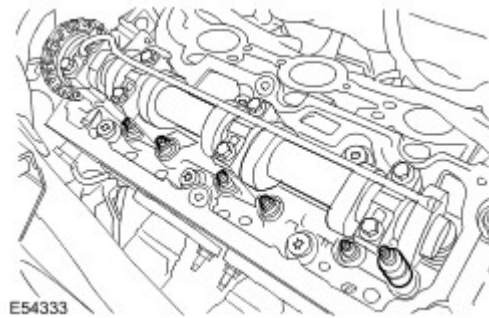
 Depress the valve spring.



6. Rotate the engine as required to access the remaining camshaft roller followers.

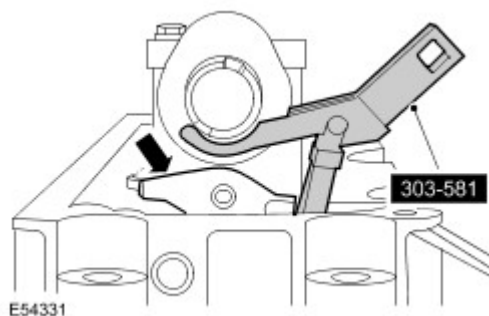


7. Remove the hydraulic lash adjusters.



## Installation

1. **NOTE :**  
 Install the components to their original fitted positions.  
 Install the hydraulic lash adjusters.
- ▶ Clean the component mating faces.
  - ▶ Lubricate the components with clean engine oil.
2. **NOTE :**  
 Install the components to their original fitted positions.  
 Using the special tool, install the camshaft roller followers.
- ▶ Clean the component mating faces.
  - ▶ Lubricate the components with clean engine oil.
  - ▶ To install, reverse the removal procedure.



3. Rotate the engine as required to access the remaining camshaft roller followers.

- 4 . Install the viscous fan assembly. For additional information, refer to [Cooling Fan \(26.25.19\)](#) (Section 303-03)
- 5 . Install the RH valve cover. For additional information, refer to [Valve Cover RH \(12.29.44\)](#) (Section 303-01)
- 6 . Install the LH valve cover. For additional information, refer to [Valve Cover LH \(12.29.43\)](#) (Section 303-01)
- 7 . Connect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)