

Rocker Arm RH

Removal

NOTICE: During engine repair procedures, cleanliness is extremely important. Any foreign material, including any material created while cleaning gasket surfaces, that enters the oil passages, coolant passages or the oil pan, can cause engine failure.

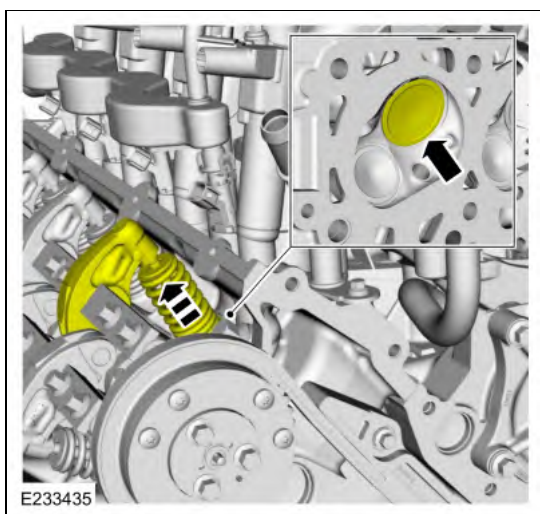
All rocker arms

1. Remove the RH valve cover.
Refer to: Valve Cover RH (303-01A Engine - 6.2L V8, Removal and Installation).

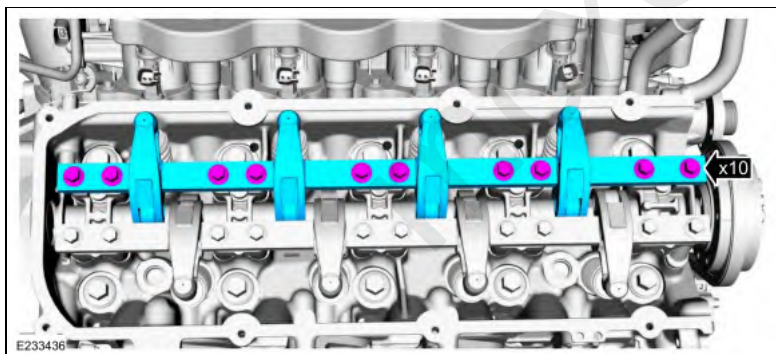
Intake rocker arms

2. **NOTE:** Only rotate the engine in a clockwise direction.

Using the crankshaft pulley bolt, rotate the engine clockwise until the cylinder No. 1 intake valve is closed.



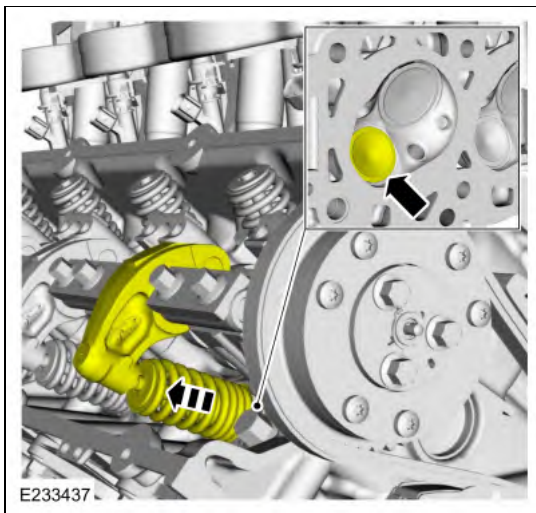
3. Remove the bolts and the RH intake rocker arm shaft assembly.



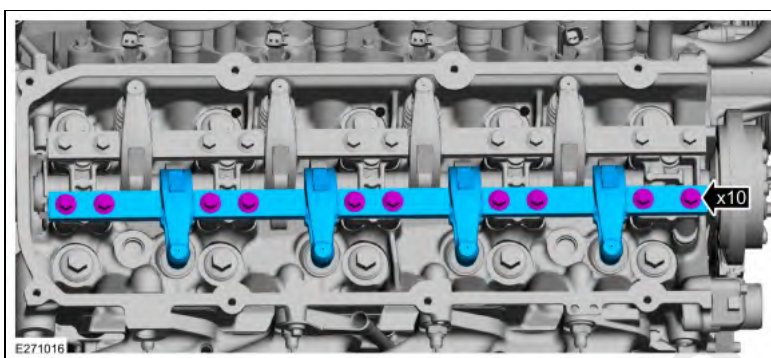
Exhaust rocker arms

4. **NOTE:** Only rotate the engine in a clockwise direction.

Using the crankshaft pulley bolt, rotate the engine clockwise until the cylinder No. 1 exhaust valve is closed.



5. Remove the bolts and the RH exhaust rocker arm shaft assembly.



All rocker arms

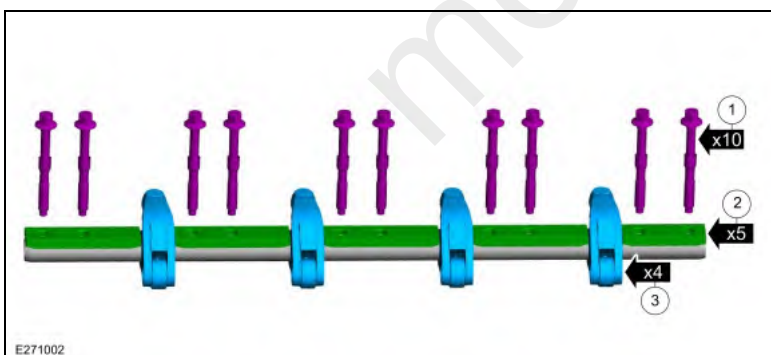
6.

1. **NOTE:** The sleeves are captured on the bolts.

Using a hammer, tap the bolts to release the sleeve out of the rocker arm shaft.

2. Remove the rocker arm shaft plates.

3. Slide the rocker arms off the shaft.



Installation

All rocker arms

1.

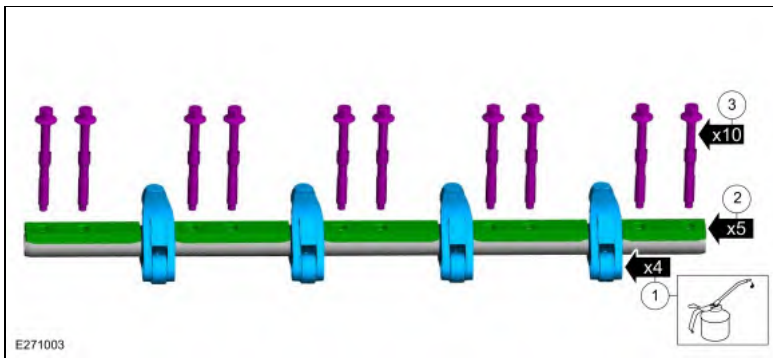
1. **NOTE:** Lubricate the rocker arm and shaft with clean engine oil.

Slide the rocker arms on the shaft.

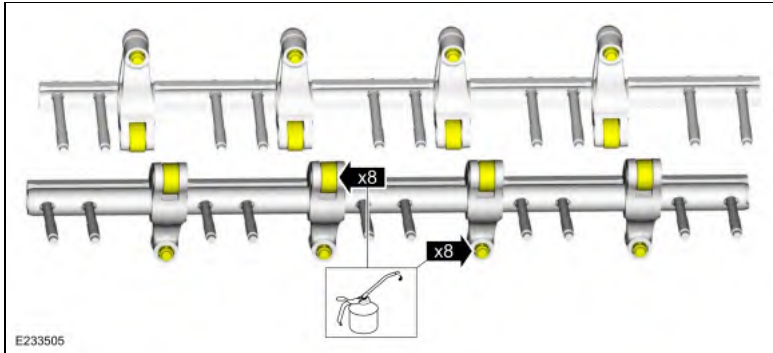
2. Install the rocker arm shaft plates.

3. **NOTE:** The sleeves are captured on the bolts.

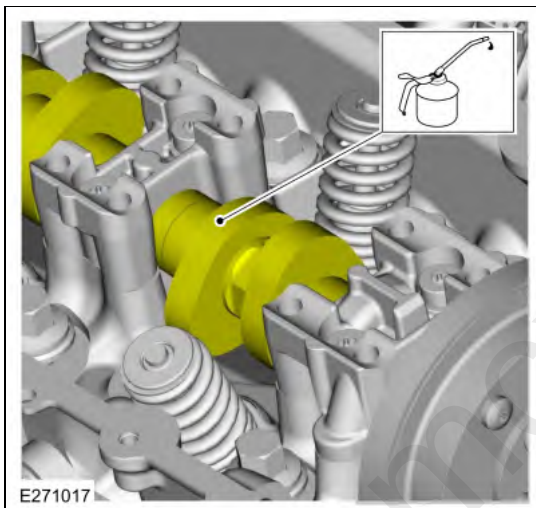
Using a hammer, tap the bolts to seat the sleeve in the rocker arm shaft.



2. Lubricate the rocker arm shaft-to-valve tip and rocker arm-to-camshaft lobe contact area with clean engine oil prior to installation.



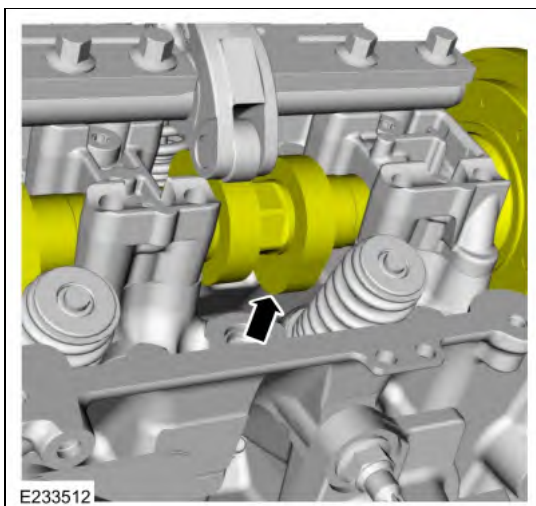
3. Lubricate the all RH camshaft lobes with clean engine oil.



Exhaust rocker arms

4. **NOTE:** Only rotate the engine in a clockwise direction.

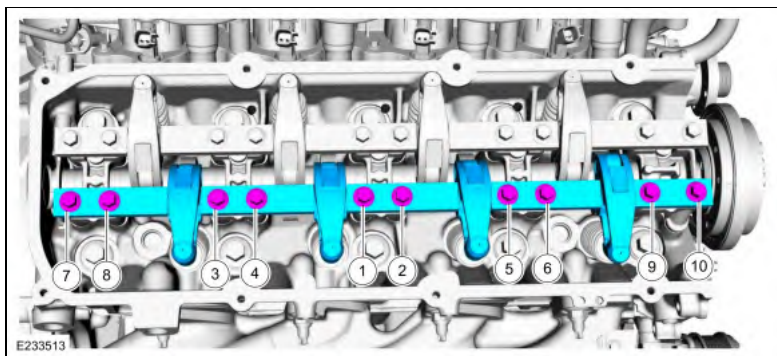
If needed, rotate the engine clockwise until the No. 1 cylinder camshaft exhaust lobe is positioned so the exhaust valve would be fully closed.



5. Install the RH exhaust rocker arm shaft assembly and the bolts finger-tight and tighten the bolts sequence shown, in 3 stages.

Torque:

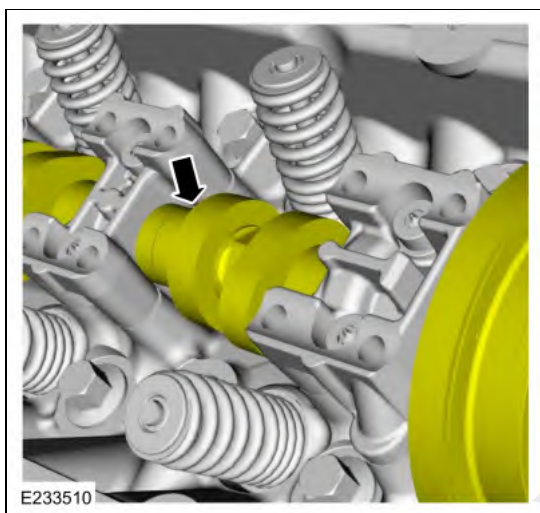
- Stage 1: 89 lb.in (10 Nm)
- Stage 2: 177 lb.in (20 Nm)
- Stage 3: 60°



Intake rocker arms

6. **NOTE:** Only rotate the engine in a clockwise direction.

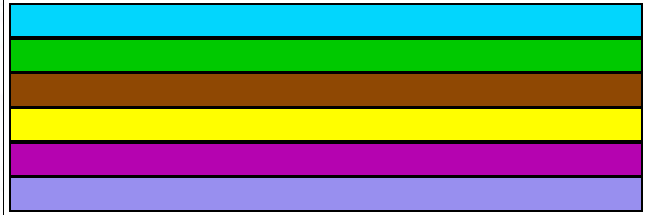
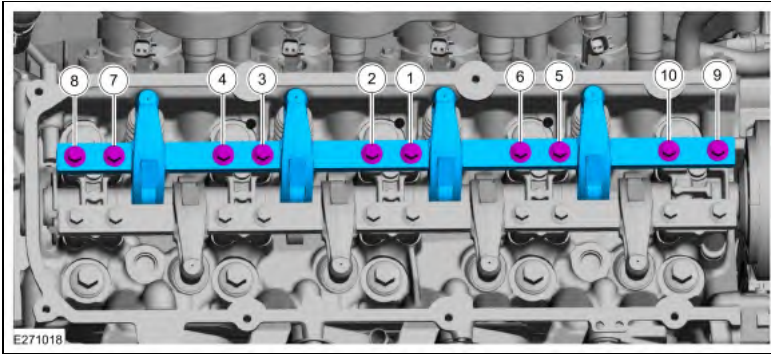
If needed, rotate the engine clockwise until the No. 1 cylinder camshaft intake lobe is positioned at the bottom of its rotation so the intake valve would be fully closed.



7. Install the RH intake rocker arm shaft assembly and the bolts finger-tight and tighten the bolts sequence shown, in 3 stages.

Torque:

- Stage 1: 89 lb.in (10 Nm)
- Stage 2: 177 lb.in (20 Nm)
- Stage 3: 60°



All rocker arms

8. Install the RH valve cover.
Refer to: Valve Cover RH (303-01A Engine - 6.2L V8, Removal and Installation).

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