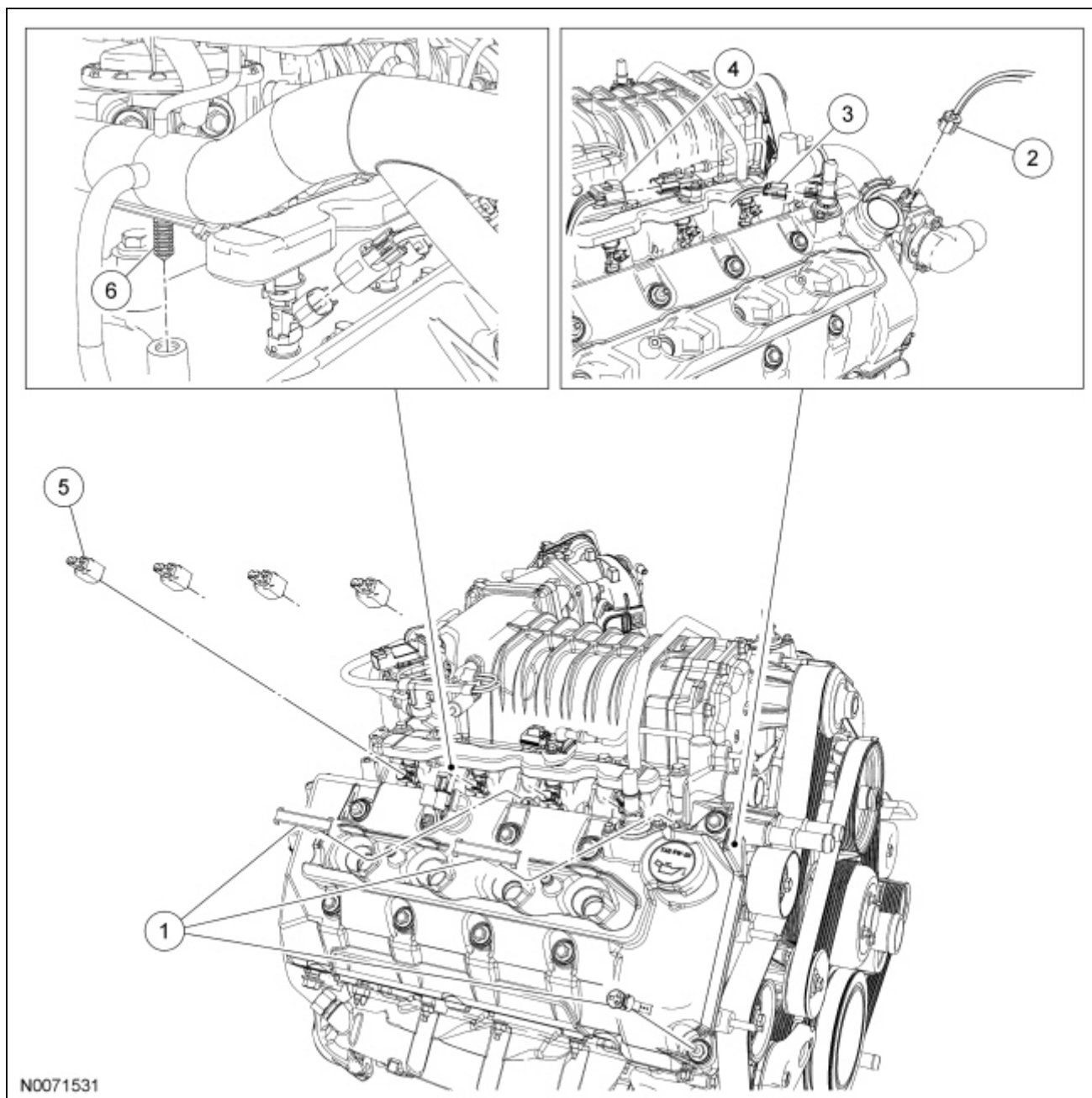


## Valve Cover — RH

### Material

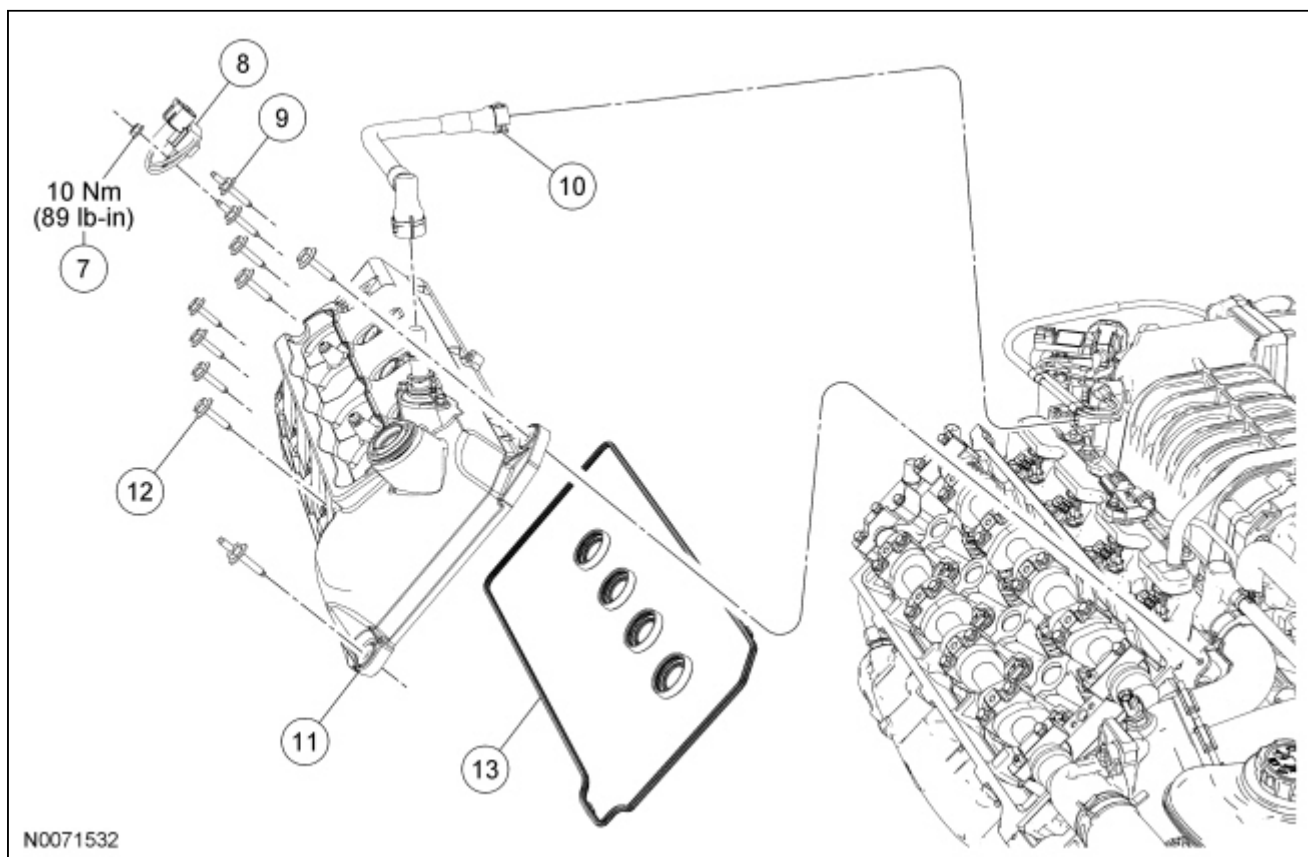
Item	Specification
Motorcraft® Metal Surface Prep ZC-31-A	—
Silicone Gasket and Sealant TA-30	WSE-M4G323-A4
Silicone Gasket Remover ZC-30	—

### RH Valve Cover (View 1 of 2)



Item	Part Number	Description
1	—	Wiring harness retainers (3 required) (part of 12B637)
2	14A464	Engine Coolant Temperature (ECT) sensor electrical connector (part of 12B637)
3	14A464	PCV valve electrical connector (part of 12B637)
4	14A464	Fuel rail pressure and temperature sensor electrical connector (part of 12B637)
5	14A464	RH fuel injector electrical connector (4 required) (part of 12B637)
6	—	Wiring harness retainer (part of 12B637)

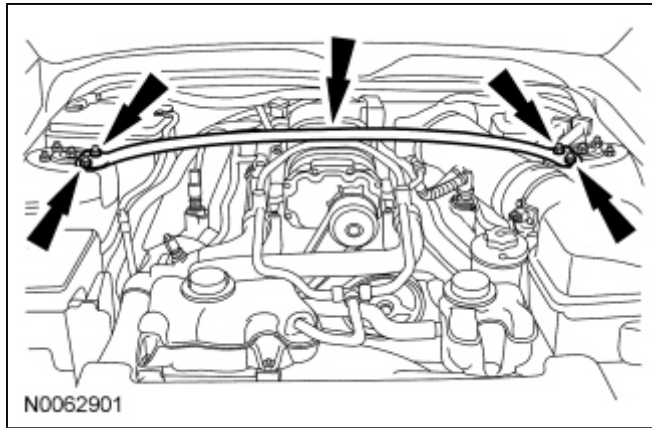
## RH Valve Cover (View 2 of 2)



Item	Part Number	Description
7	W520111	RH radio interference capacitor nut
8	18801	RH radio interference capacitor
9	W708442	RH valve cover stud bolt (3 required)
10	64817	Crankcase ventilation hose
11	6582	RH valve cover assembly
12	W708441	RH valve cover bolt (7 required)
13	6584	RH valve cover gasket

## Removal

1. Remove the battery and tray. For additional information, refer to [Section 414-01](#).
2. Remove the 4 nuts and the strut tower cross brace.



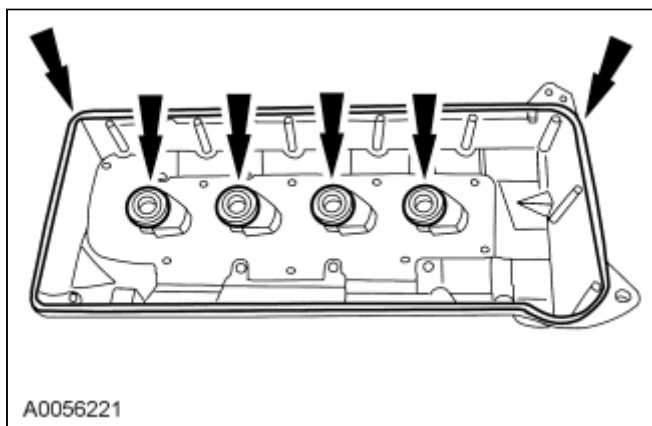
3. Remove the RH ignition coils. For additional information, refer to [Section 303-07C](#).
4. Remove the crankcase ventilation tube.
5. Disconnect the PCV valve electrical connector.
6. Remove the nut and the RH radio interference capacitor.
7. Disconnect the 4 RH fuel injector electrical connectors.
8. Disconnect the fuel rail pressure and temperature sensor electrical connector.
9. Disconnect the Engine Coolant Temperature (ECT) sensor electrical connector.
10. Detach the 3 wiring harness retainers from the RH valve cover studs.
11. Detach the wiring harness pin-type retainer from the rear of the intake manifold.
12. Remove the 7 bolts, 3 stud bolts and RH valve cover.
  - Remove and discard the gaskets.
  - **NOTICE: Do not use metal scrapers, wire brushes, power abrasive discs or other abrasive means to clean the sealing surfaces. These tools cause scratches and gouges which make leak paths. Use a plastic scraping tool to remove all traces of old sealant.**

Clean the mating surfaces with silicone gasket remover and metal surface prep. Follow the directions on the packaging.

- Inspect the mating surfaces.

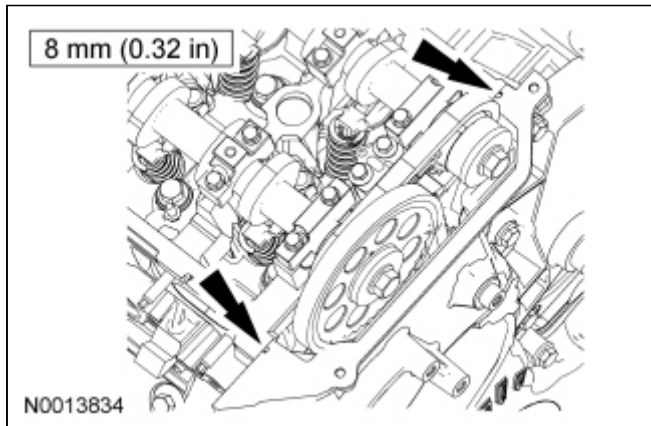
## Installation

1. Install new gaskets. Make sure the gaskets are correctly seated on the valve cover.

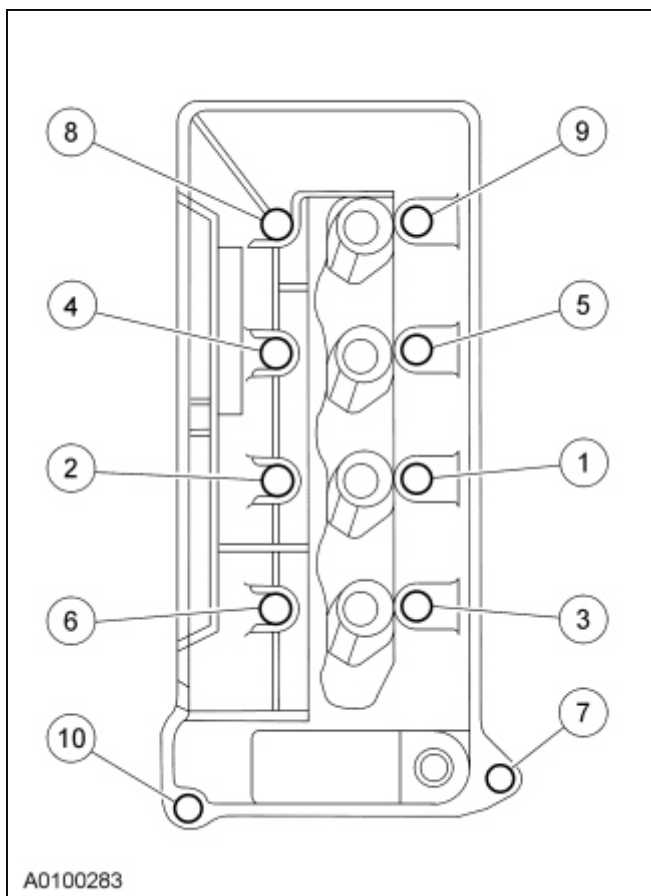


2. **NOTE:** If the valve cover is not secured within 4 minutes, the sealant must be removed and the sealing area cleaned with metal surface prep. Allow to dry until there is no sign of wetness, or 4 minutes, whichever is longer. Failure to follow this procedure can result in future oil leakage.

Apply a bead of silicone gasket and sealant in 2 places where the engine front cover meets the cylinder head.

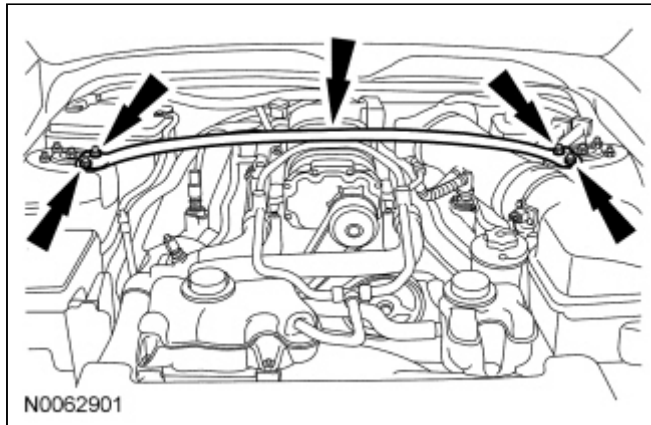


3. Install the RH valve cover, the 7 bolts and 3 stud bolts.
- Tighten in the sequence shown to 10 Nm (89 lb-in).



4. Attach the wiring harness pin-type retainer to the rear of the intake manifold.
5. Attach the 3 wiring harness retainers to the RH valve cover studs.
6. Connect the ECT sensor electrical connector.
7. Connect the fuel rail pressure and temperature sensor electrical connector.

8. Connect the 4 RH fuel injector electrical connectors.
9. Install the RH radio interference capacitor and the nut.
  - Tighten to 10 Nm (89 lb-in).
10. Connect the PCV valve electrical connector.
11. Install the crankcase ventilation tube.
12. Install the RH ignition coils. For additional information, refer to [Section 303-07C](#).
13. Install the 4 nuts and the strut tower cross brace.
  - Tighten to 35 Nm (26 lb-ft).



14. Install the battery and tray. For additional information, refer to [Section 414-01](#).
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