

Valve Cover RH

Special Tool(s) / General Equipment

	205-142 (T80T-4000-J) Installer, Differential Bearing Cone
	205-153 (T80T-4000-W) Handle
Plastic Scraper	

Materials

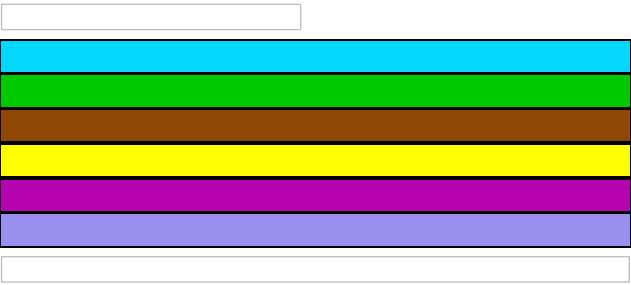
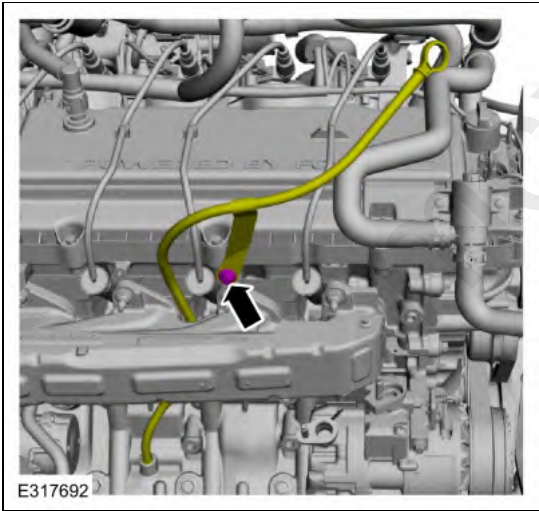
Name	Specification
Motorcraft® High Performance Engine RTV Silicone TA-357	WSE-M4G323-A6

Removal

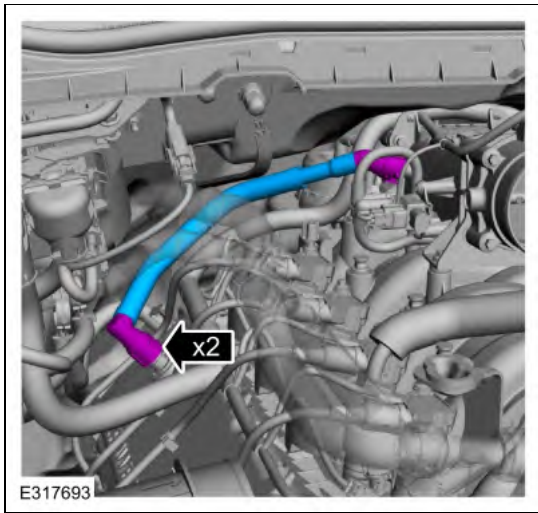
NOTICE: During engine repair procedures, cleanliness is extremely important. Any foreign material, including any material created while cleaning gasket surfaces, that enters the oil passages, coolant passages or the oil pan, can cause engine failure.

1. Remove the following items:
1. Remove the air cleaner outlet tube.
Refer to: Air Cleaner Outlet Pipe (303-12A Intake Air Distribution and Filtering - 6.2L V8, Removal and Installation).

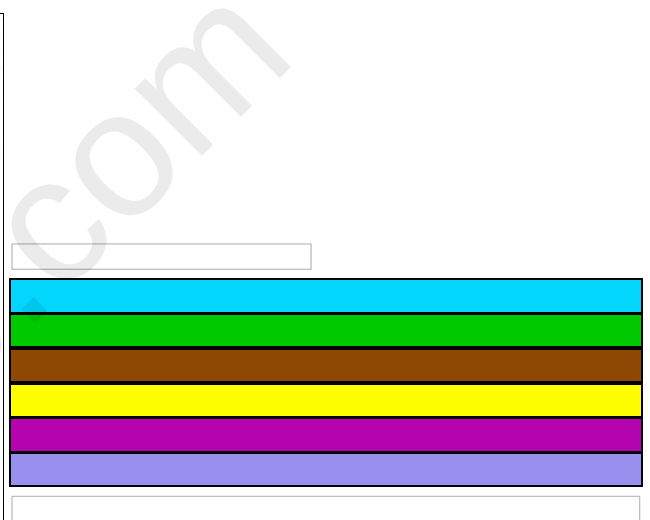
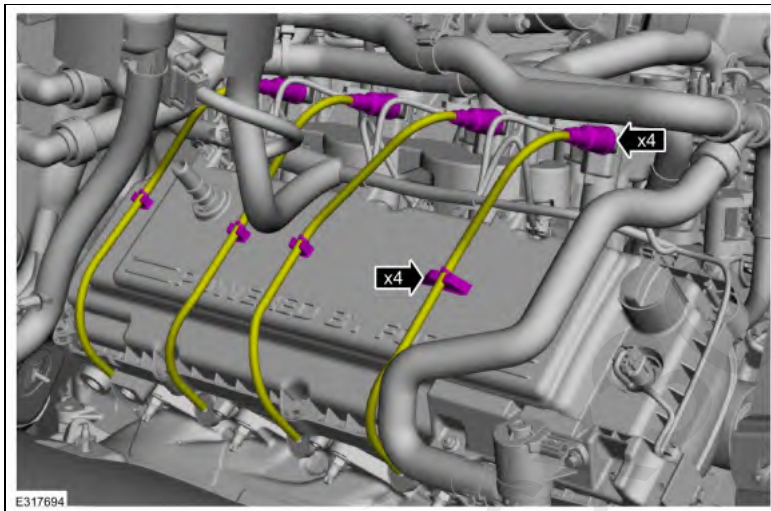
2. Remove the air cleaner.
Refer to: Air Cleaner (303-12A Intake Air Distribution and Filtering - 6.2L V8, Removal and Installation).
2. Remove the bolt and position the oil level indicator aside.



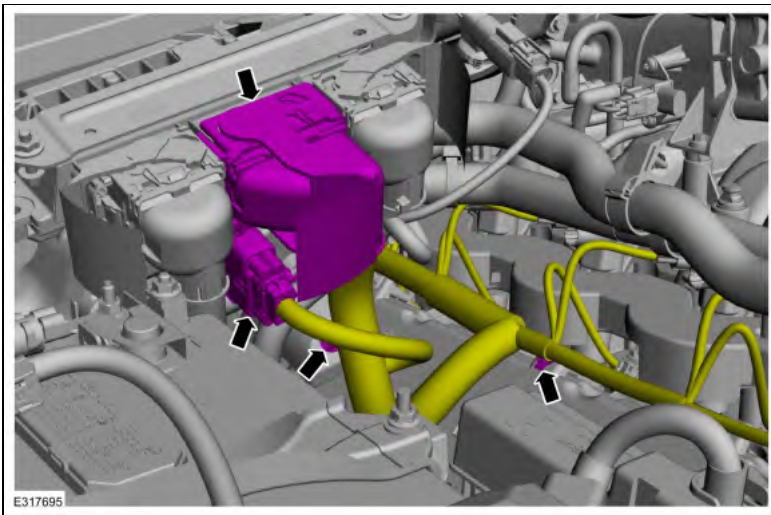
3. Follow directions to release the quick release coupling type 3. Disconnect and remove the PCV tube.



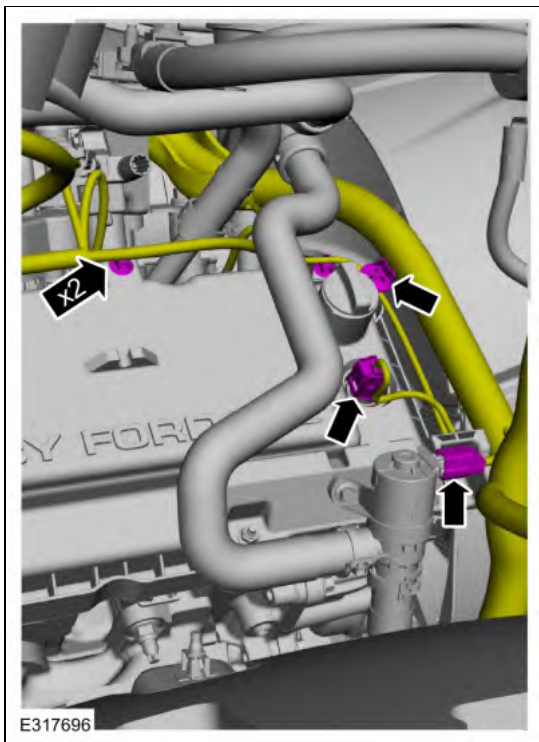
- 4.
- Disconnect the RH ignition wires from the RH ignition coil-on-plugs.
 - Disconnect the RH ignition wire retainers from the valve cover and position aside.



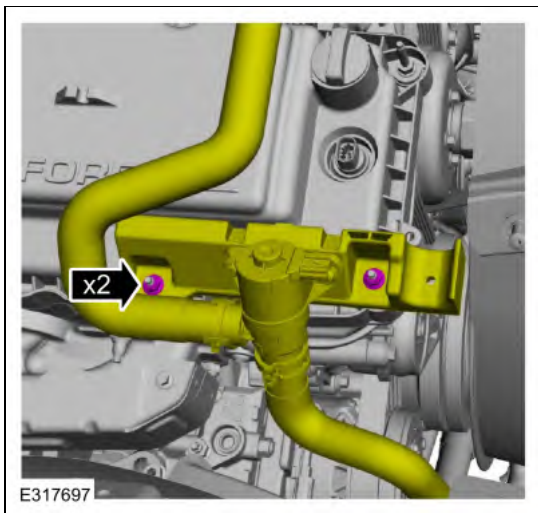
5. Disconnect the wiring harness electrical connectors, retainers and position aside.



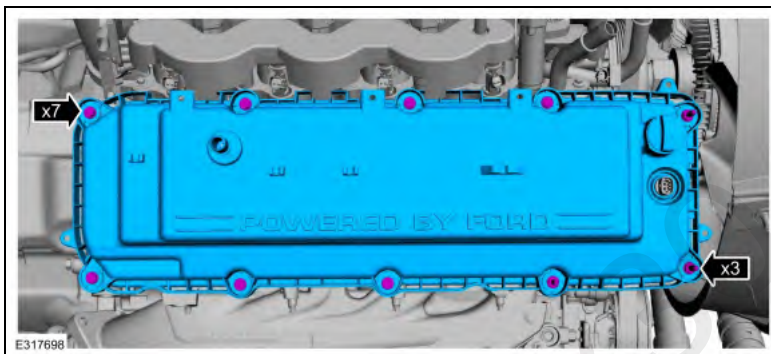
6. Disconnect the wiring harness electrical connectors, retainers and position aside.



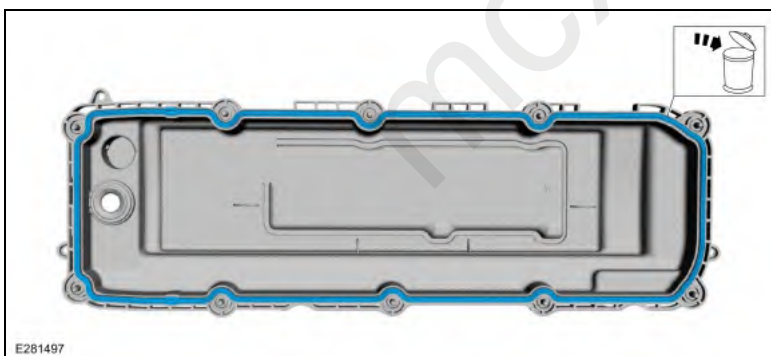
7. Remove the nuts, coolant valve and position aside.



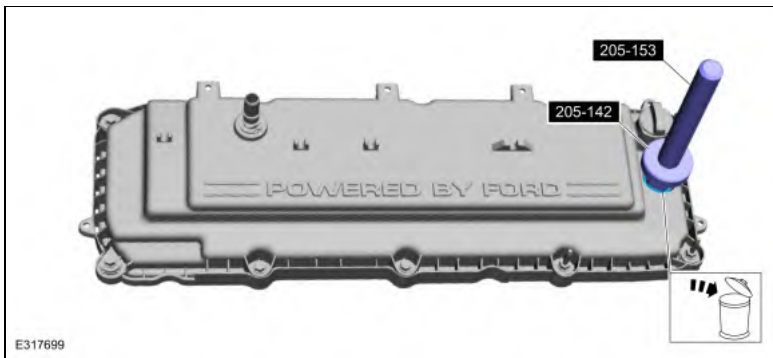
8. Loosen the fasteners and remove the RH valve cover.



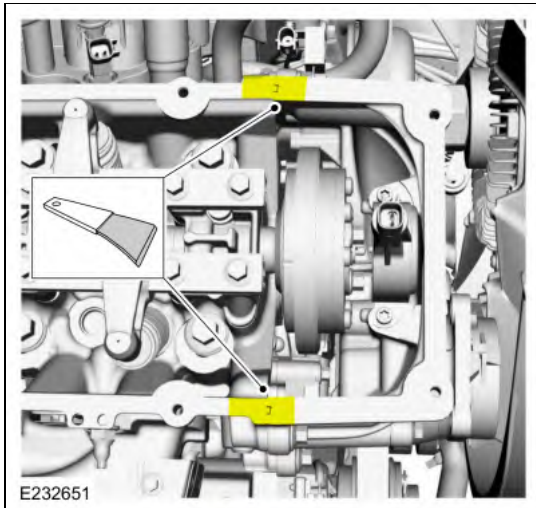
9. Remove and discard the RH valve cover gasket.



10. Inspect the VCT oil control solenoid seal. Remove and discard any damaged seals using the special tools.
Use Special Service Tool: 205-153 (T80T-4000-W) Handle. , 205-142 (T80T-4000-J) Installer, Differential Bearing Cone.



11. Make sure that the mating faces are clean and free of foreign material.
Use the General Equipment: Plastic Scraper

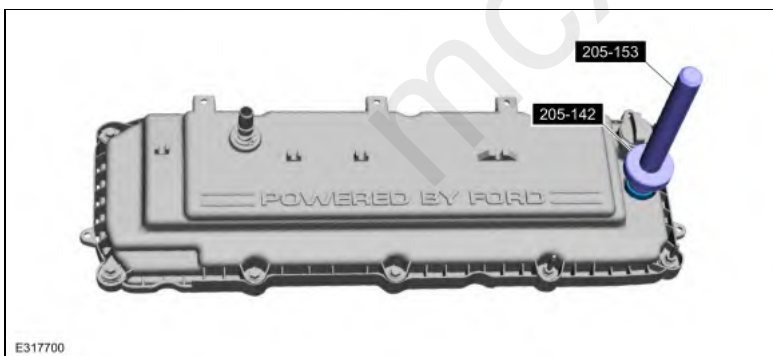


Installation

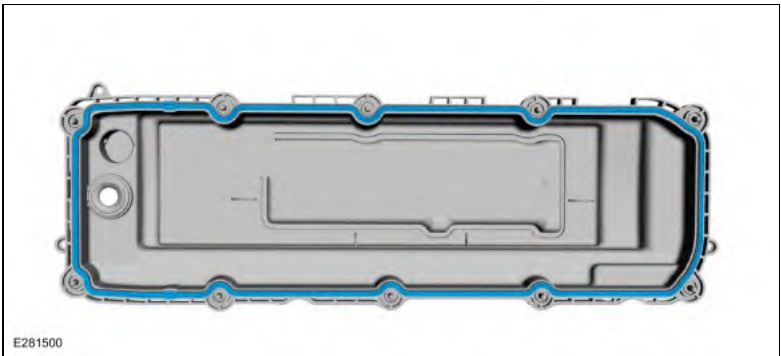
1. **NOTE:** Installation of new seals is only required if damaged seals were removed.

Using the special tools, install a new VCT oil control solenoid seal.

Use Special Service Tool: 205-153 (T80T-4000-W) Handle. , 205-142 (T80T-4000-J) Installer, Differential Bearing Cone.

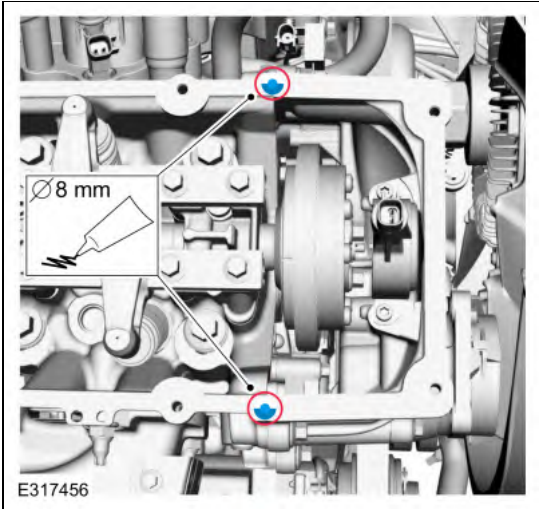


2. Install a new RH valve cover gasket.

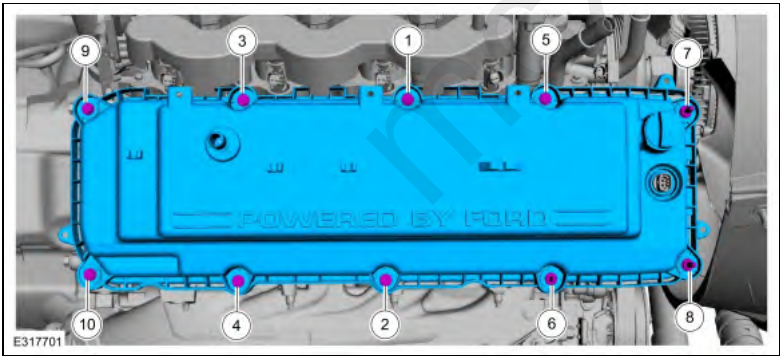


3. **NOTICE:** If the valve cover is not installed and the fasteners tightened within 4 minutes, the sealant must be removed and the sealing area cleaned.

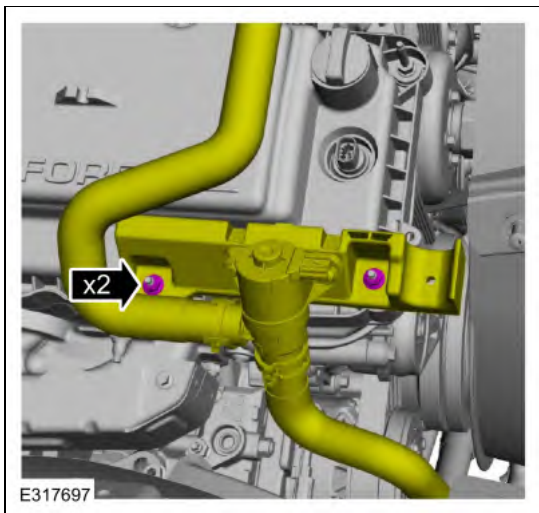
Apply an 8 mm (0.31 in) drop of Motorcraft® High Performance Engine RTV Silicone to the engine front cover-to-cylinder head joints.
Material: Motorcraft® High Performance Engine RTV Silicone / TA-357 (WSE-M4G323-A6)



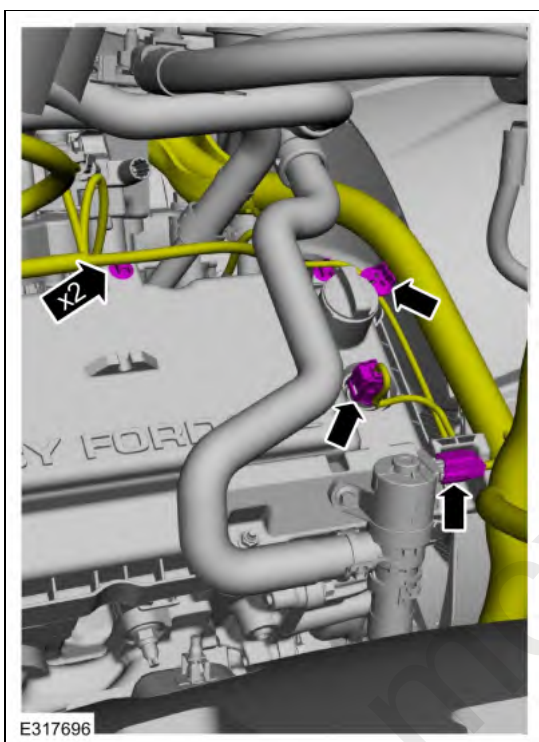
4. Install the RH valve cover and tighten the bolts.
Torque: 89 lb.in (10 Nm)



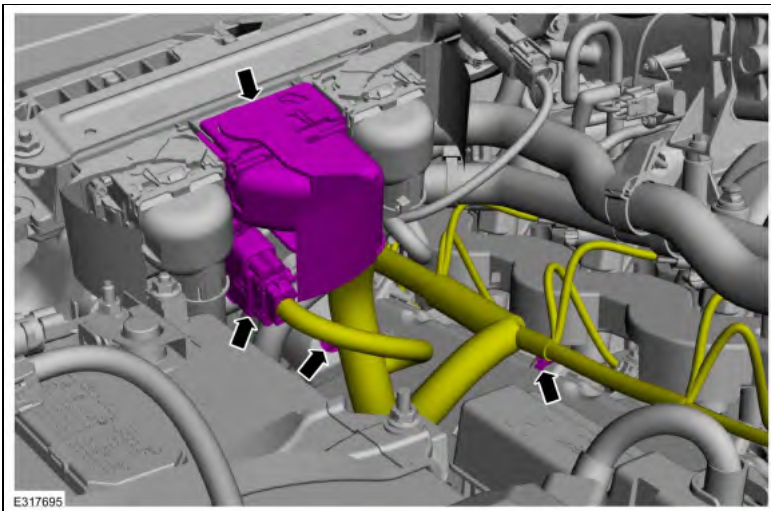
5. Position the coolant valve and install the nuts.
Torque: 53 lb.in (6 Nm)



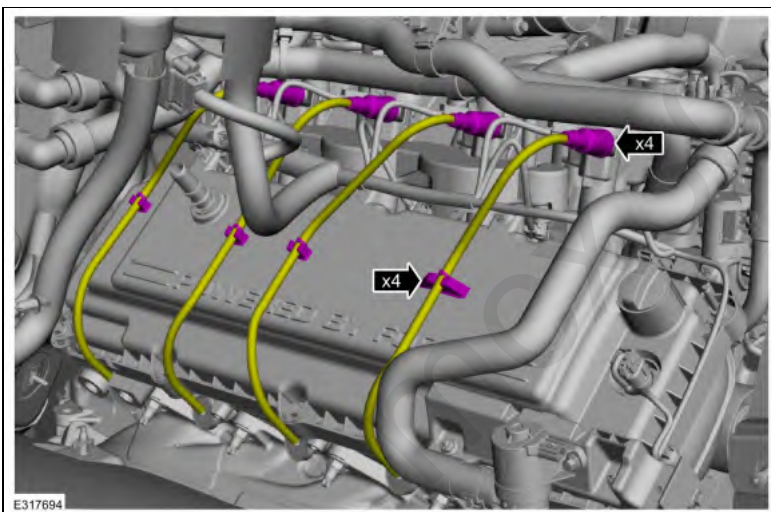
6. Connect the wiring harness electrical connectors and retainers.



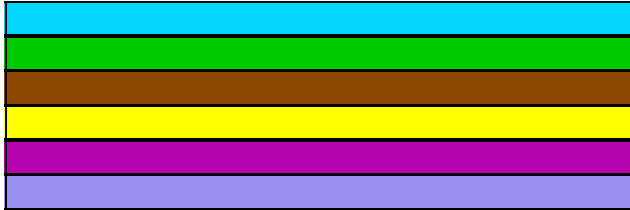
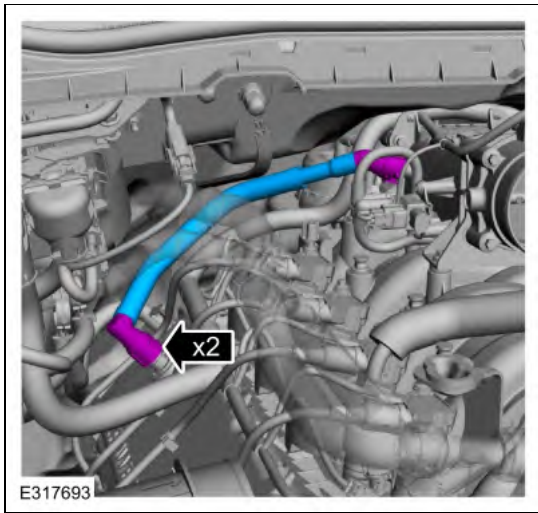
7. Position the wiring harness and connect the retainers and electrical connectors.



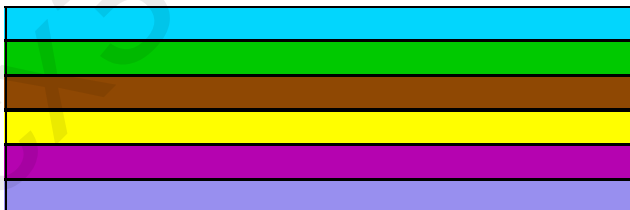
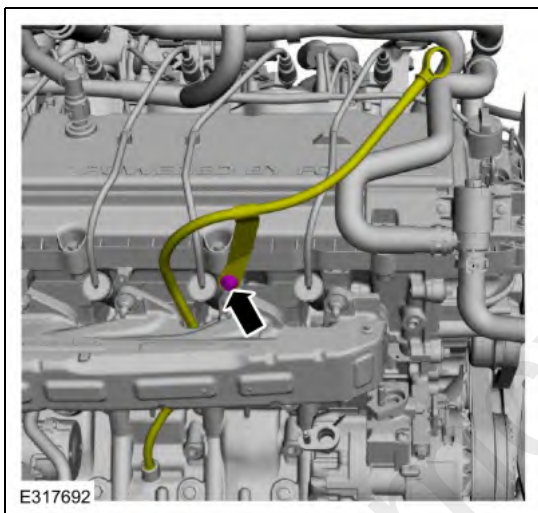
- 8.
- Connect the RH ignition wire retainers to the valve cover.
 - Connect the RH ignition wires to the RH ignition coil-on-plugs.



9. Follow directions to connect the quick release coupling type 3. Install and connect the PCV tube.



10. Position the oil level indicator and install the bolt.
Torque: 89 lb.in (10 Nm)



11. Remove the following items:
1. Install the air cleaner.
Refer to: Air Cleaner (303-12A Intake Air Distribution and Filtering - 6.2L V8, Removal and Installation).
 2. Install the air cleaner outlet tube.
Refer to: Air Cleaner Outlet Pipe (303-12A Intake Air Distribution and Filtering - 6.2L V8, Removal and Installation).