

Motorcraft® Silicone Gasket Remover ZC-30-A	-
Motorcraft® Metal Surface Prep ZC-31-B	-
Silicone Gasket and Sealant TA-30	WSE-M4G323-A4
Metal Brake Parts Cleaner (U.S.) PM-4-A, PM-4-B (U.S.)	-

REMOVAL AND INSTALLATION > VALVE COVER LH > REMOVAL

 **NOTE:** 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.

Release the fuel system pressure. Refer to: FUEL SYSTEM PRESSURE RELEASE - 5.0L 32V Ti-VCT/5.0L Ti-VCT V8 (308kW/418PS)

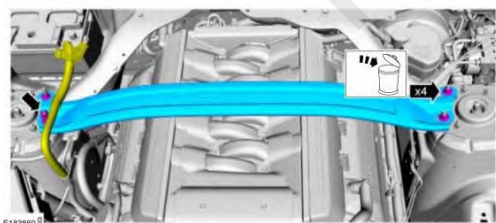
2.

Disconnect the battery ground and positive cables. Refer to: Battery Disconnect and Connect .

3.

If equipped with a strut tower cross brace, detach the wiring harness retainer.

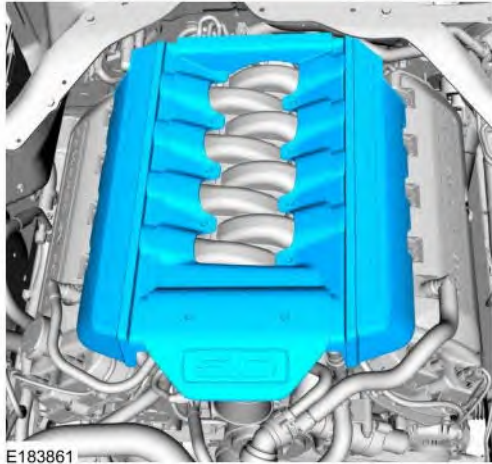
Remove the nuts and the strut tower cross brace.



 **NOTE:** The engine appearance cover rubber grommets may remain on the cover. If so, remove the grommets from the cover and install them on the intake manifold before installing the cover.

4.

Remove the engine appearance cover.



5.

Remove the following items:

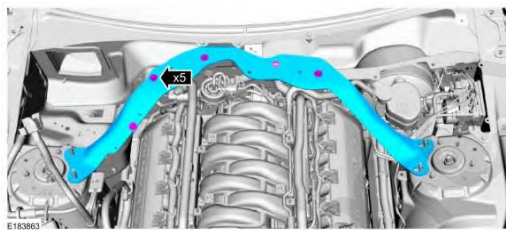
Refer to: AIR CLEANER OUTLET PIPE .

Refer to: AIR CLEANER - 5.0L 32V Ti-VCT/5.0L Ti-VCT V8 (308kW/418PS).

Refer to: Cowl Panel Grille .

6.

Remove the fasteners and the cowl extension.



7.

1.

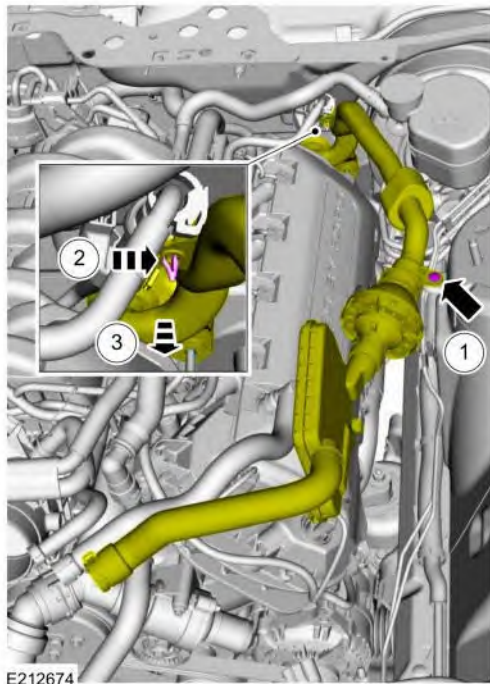
Remove the pin-type retainer.

2.

Depress the retainer.

3.

Position the sound enhancement pipe aside.



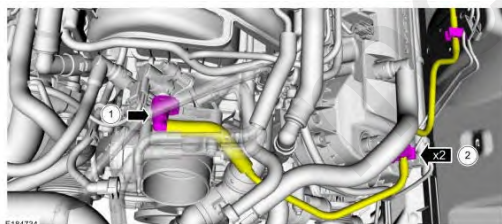
8.

1.

Disconnect the EVAP tube quick release coupling. Refer to: QUICK RELEASE COUPLING .

2.

Detach the EVAP tube from the retainers.



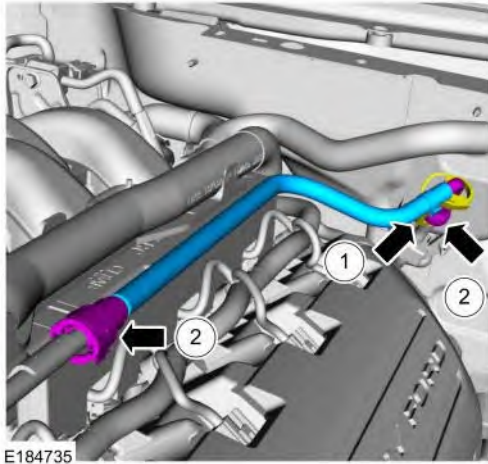
9.

1.

Position the safety clip aside.

2.

Disconnect the quick release couplings and remove the fuel tube. Refer to: QUICK RELEASE COUPLING .



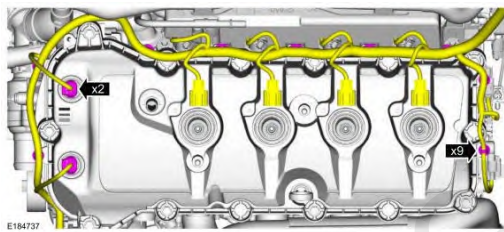
10.

Remove the LH ignition coils. Refer to: IGNITION COIL-ON-PLUG .

11.

Disconnect the VCT variable force solenoid electrical connectors.

Detach the wiring harness retainers.



12.

1.

Remove the oil level indicator.

2.

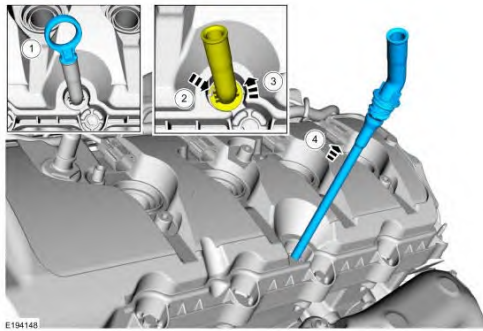
Depress the tab.

3.

Rotate the oil level indicator tube counterclockwise.

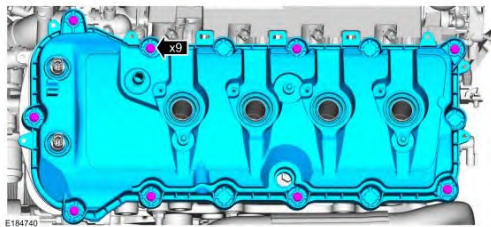
4.

Pull the oil level indicator tube from the engine.



13.

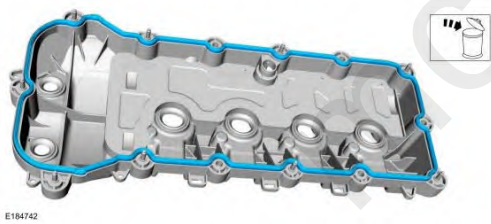
Loosen the bolts and remove the valve cover.



 **NOTE:** Clean the valve cover gasket groove with soap and water or a suitable solvent.

14.

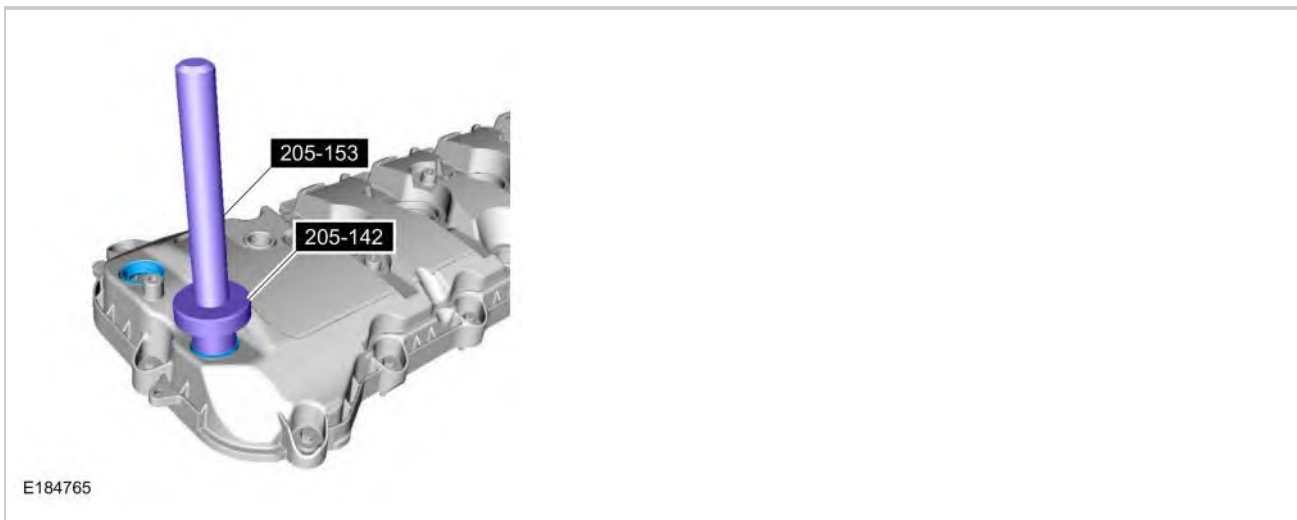
Remove and discard the gasket.



15.

Inspect the VCT variable force solenoid seals. 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.



16.

Inspect the spark plug seals. Remove and discard any damaged seals using the special tools.

Use Special Service Tool: 205-153 (T80T-4000-W) Handle, 303-1247 VCT Spark Plug Tube Seal Remover and Installer.



 **NOTE:** 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.

17.

Clean the valve cover mating surface of the cylinder head and engine front cover. Refer to: RTV Sealing Surface Cleaning and Preparation .

Use the General Equipment: Plastic Scraper

Material

: Motorcraft® Silicone Gasket Remover / ZC-30-A