

Evaporative Emission Canister Purge Valve



Materials

Name	Specification
Motorcraft® Silicone Brake Caliper Grease and Dielectric Compound XG-3-A	ESA-M1C200-A ESE-M1C171-A

Removal

⚠️ WARNING: Do not smoke, carry lighted tobacco or have an open flame of any type when working on or near any fuel-related component. Highly flammable mixtures may be present and may be ignited. Failure to follow these instructions may result in serious personal injury.

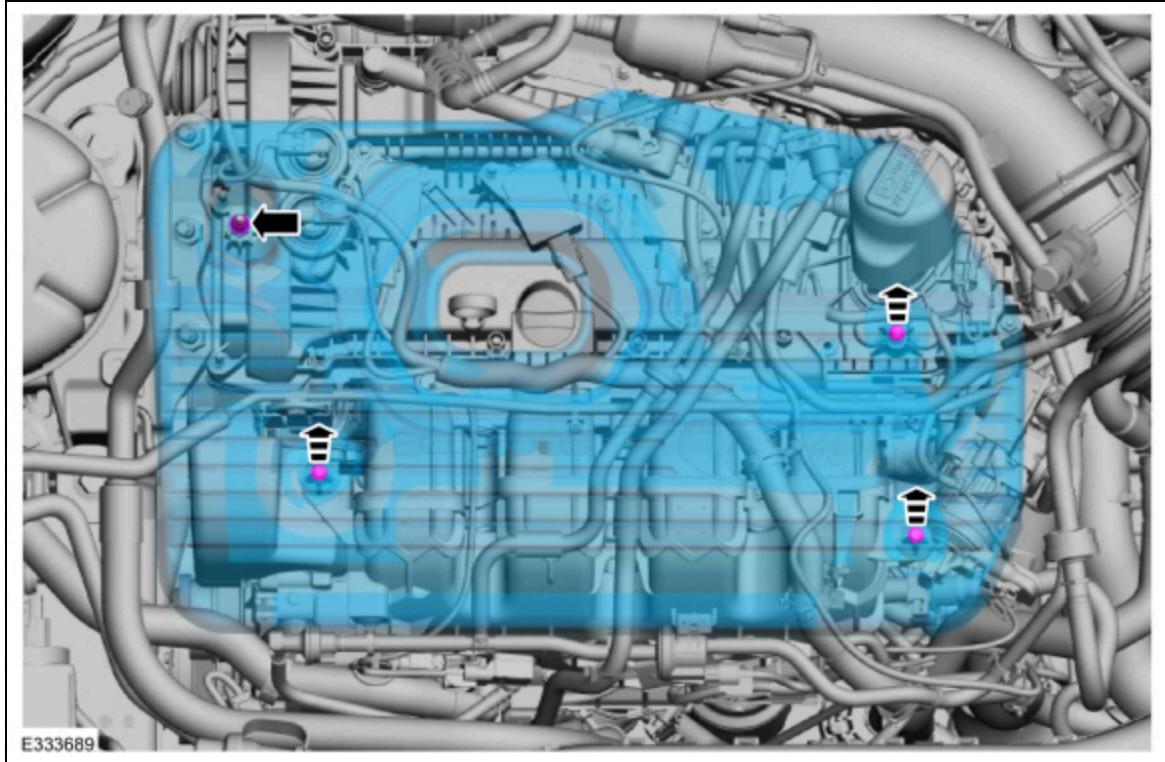
⚠️ WARNING: Do not carry personal electronic devices such as cell phones, pagers or audio equipment of any type when working on or near any fuel-related component. Highly flammable mixtures may be present and may be ignited. Failure to follow these instructions may result in serious personal injury.

⚠️ WARNING: Always disconnect the battery ground cable at the battery when working on an evaporative emission (EVAP) system or fuel-related component. Highly flammable mixtures may be present and may be ignited. Failure to follow these instructions may result in serious personal injury.

NOTE: Removal steps in this procedure may contain installation details.

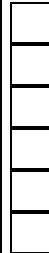
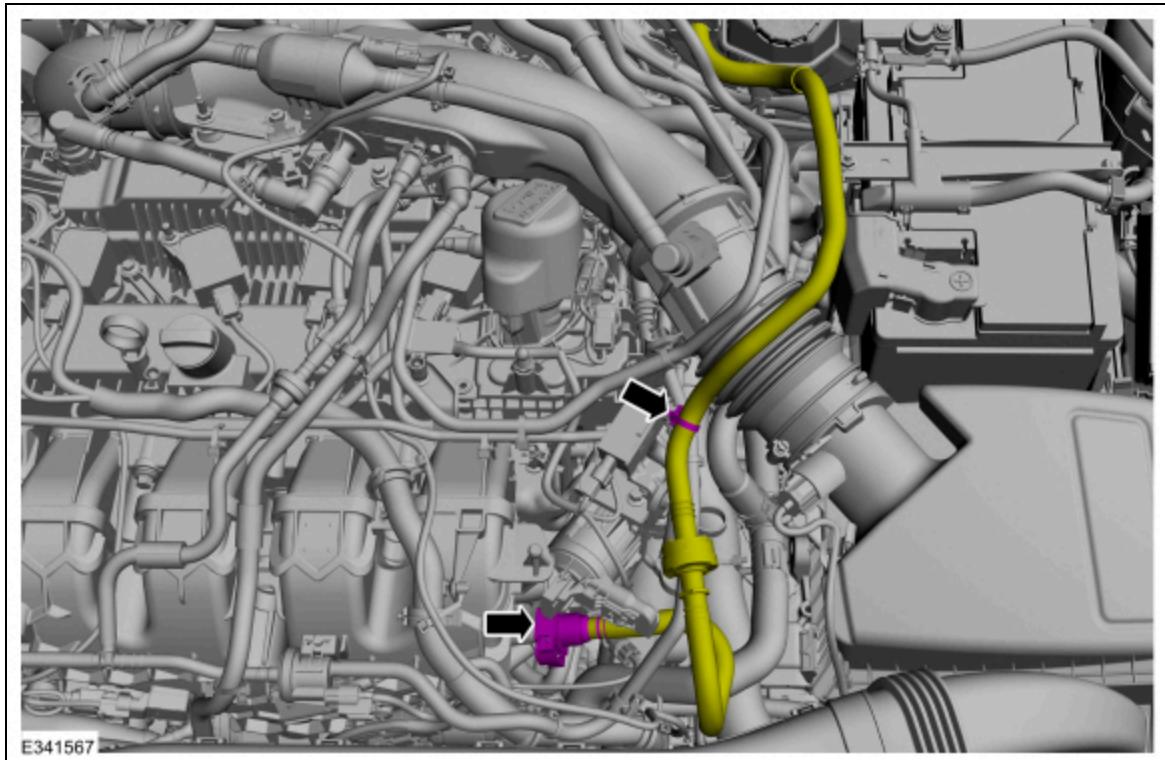
1. **NOTE:** Do not pull the engine appearance cover forward or sideways to remove. Failure to press straight upward on the underside of the cover at the attachment points may result in damage to the cover or engine components.

1. Remove the engine appearance cover nut.
2. Place your hand under the engine appearance cover at each grommet location and push straight up to release each grommet from the studs.
3. After all of the grommets have been released from the studs, remove the appearance cover from the engine.



2. Disconnect the vacuum hose.

Refer to: [Quick Release Coupling](#) (310-00B Fuel System - General Information - 2.0L EcoBoost (177kW/240PS) – MI4, General Procedures).

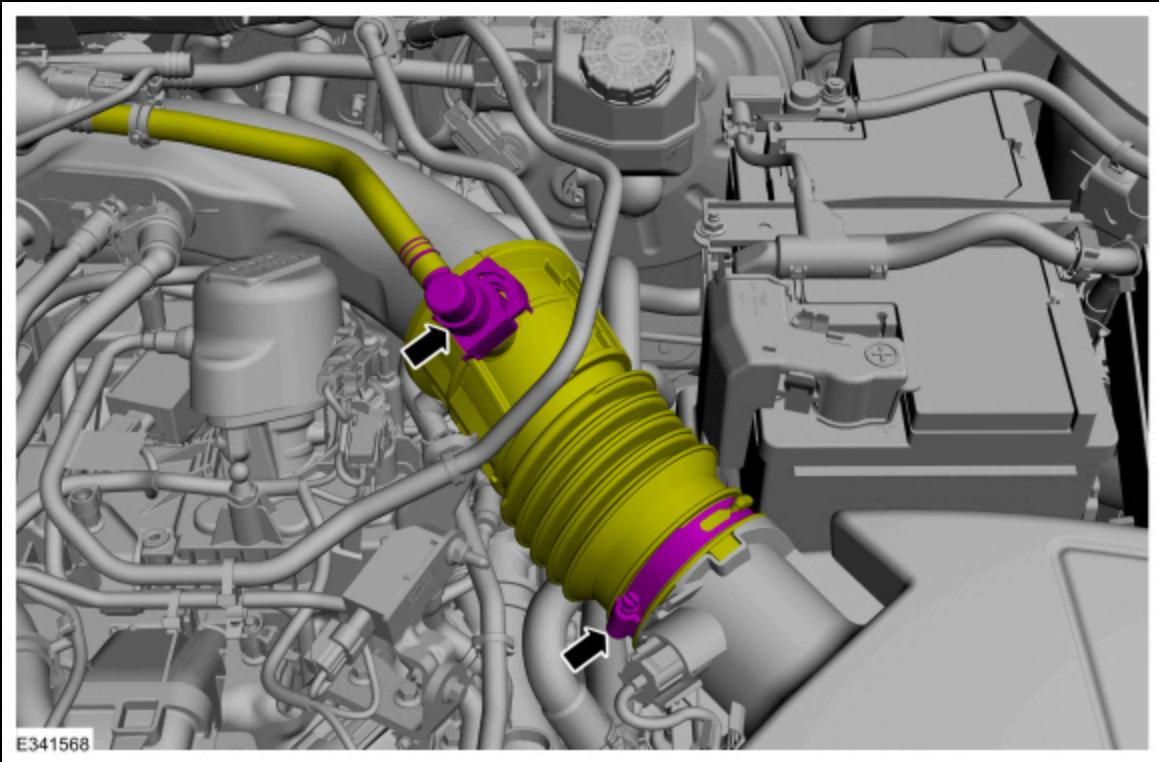


3.

- Disconnect the vacuum hose.

Refer to: [Quick Release Coupling](#) (310-00B Fuel System - General Information - 2.0L EcoBoost (177kW/240PS) – MI4, General Procedures).

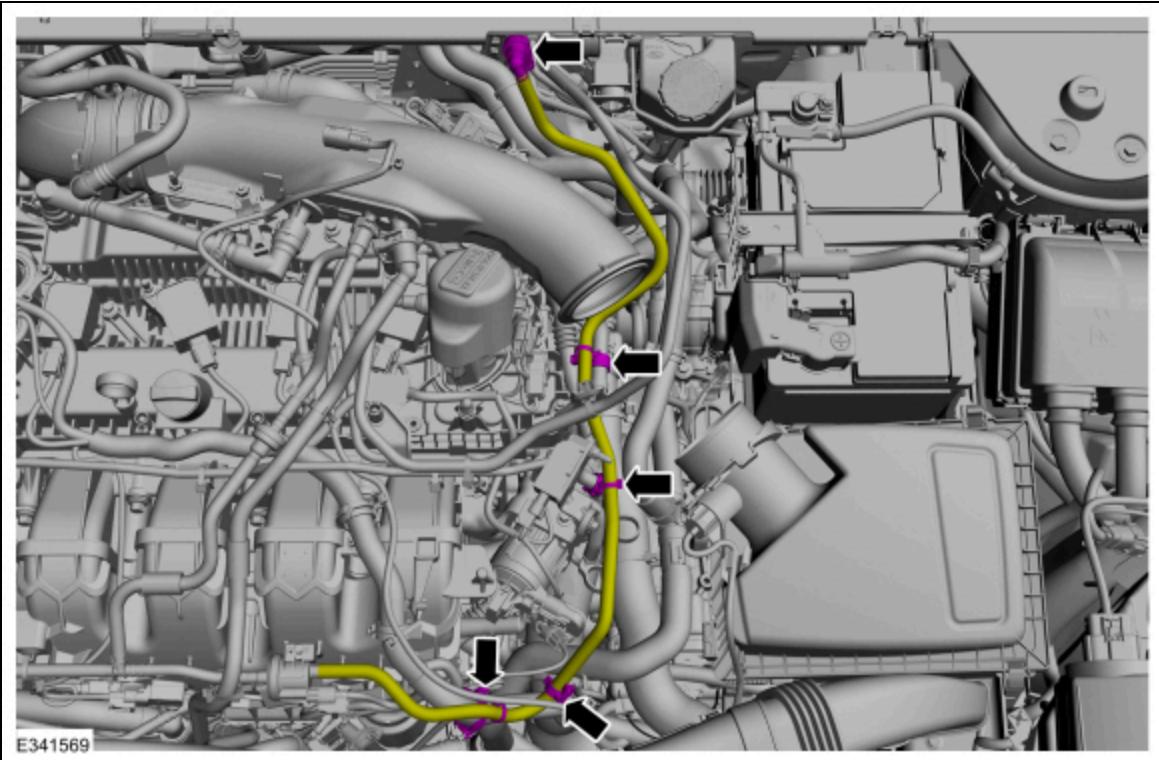
- Loosen the clamp and position aside the air cleaner outlet pipe.
Torque: 44 lb.in (5 Nm)



4.
 - Detach the clip.
 - **NOTE:** Use care when moving the secondary EVAP line, to prevent contact with the liquid fuel supply line.

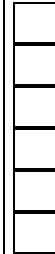
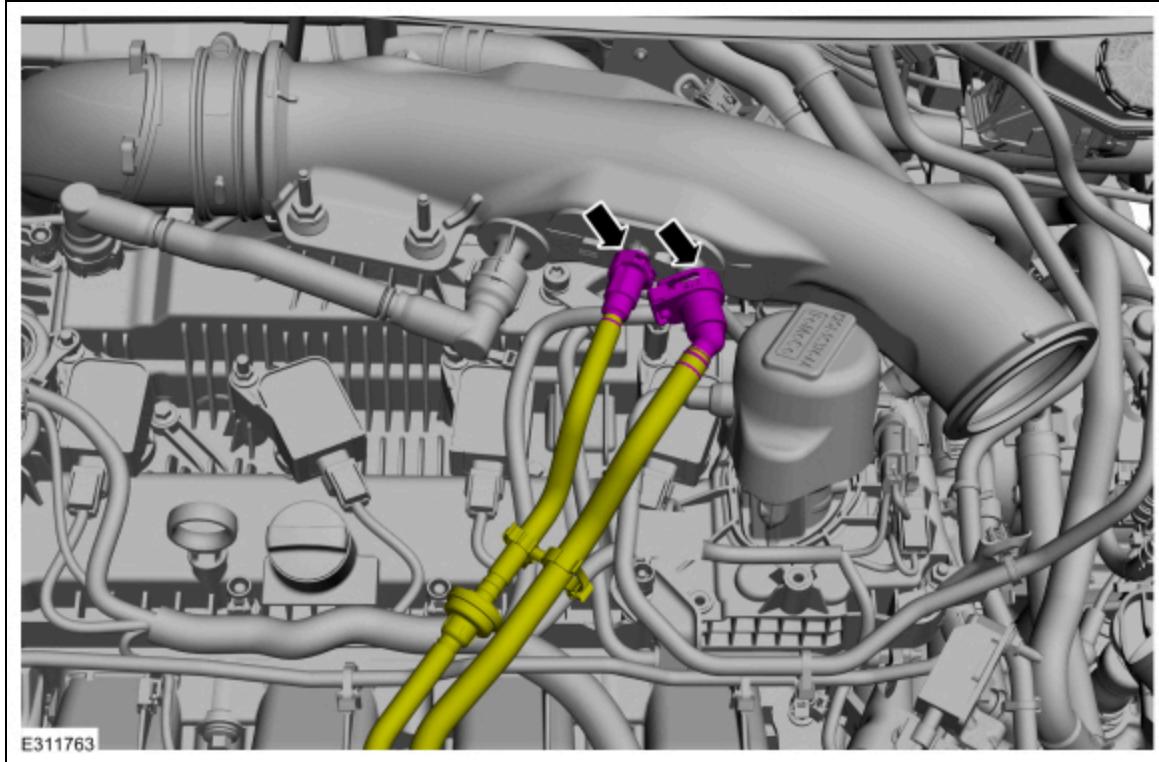
Disconnect the quick release couplings and position aside the secondary EVAP line.

Refer to: [Quick Release Coupling](#) (310-00B Fuel System - General Information - 2.0L EcoBoost (177kW/240PS) – MI4, General Procedures).



5. Disconnect the quick release couplings.

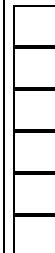
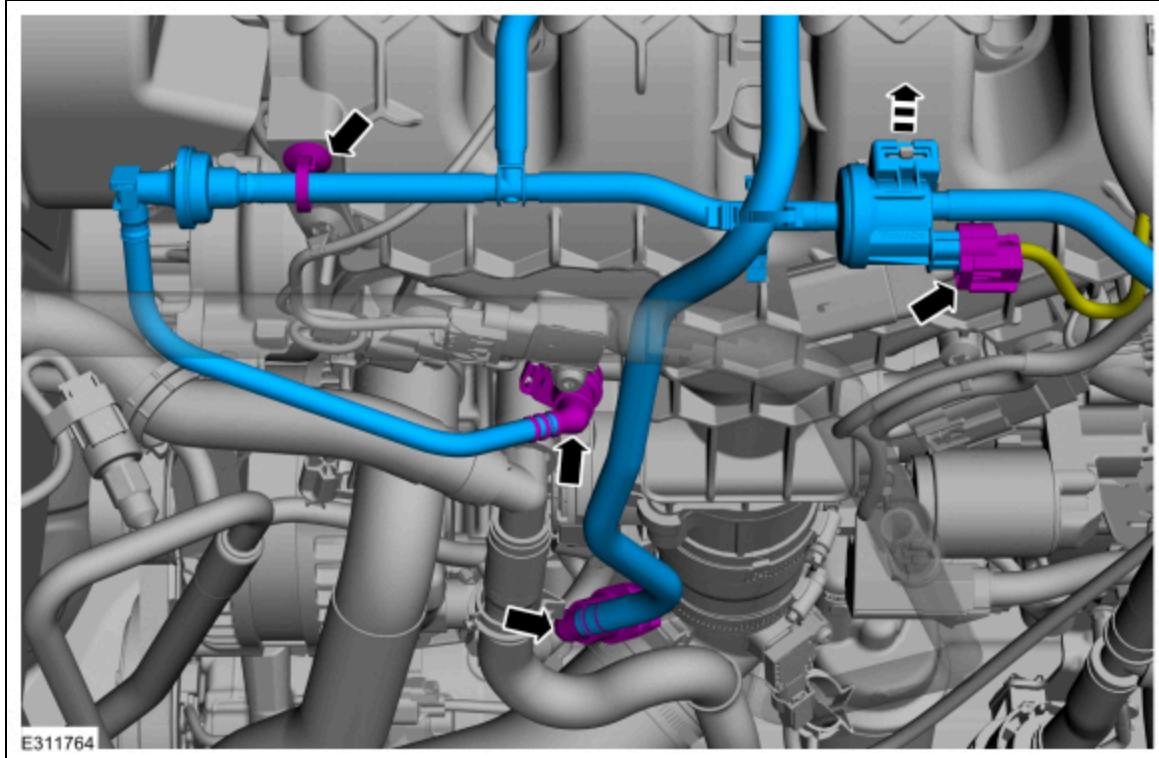
Refer to: [Quick Release Coupling](#) (310-00B Fuel System - General Information - 2.0L EcoBoost (177kW/240PS) – MI4, General Procedures).



6.
 - Detach the hose clip.
 - Disconnect the electrical connector.
 - **NOTE: Use care when moving the secondary EVAP line, to prevent contact with the liquid fuel supply line.**

Disconnect the quick release couplings and remove the secondary EVAP line.

Refer to: [Quick Release Coupling \(310-00B Fuel System - General Information - 2.0L EcoBoost \(177kW/240PS\) – MI4, General Procedures\)](#).

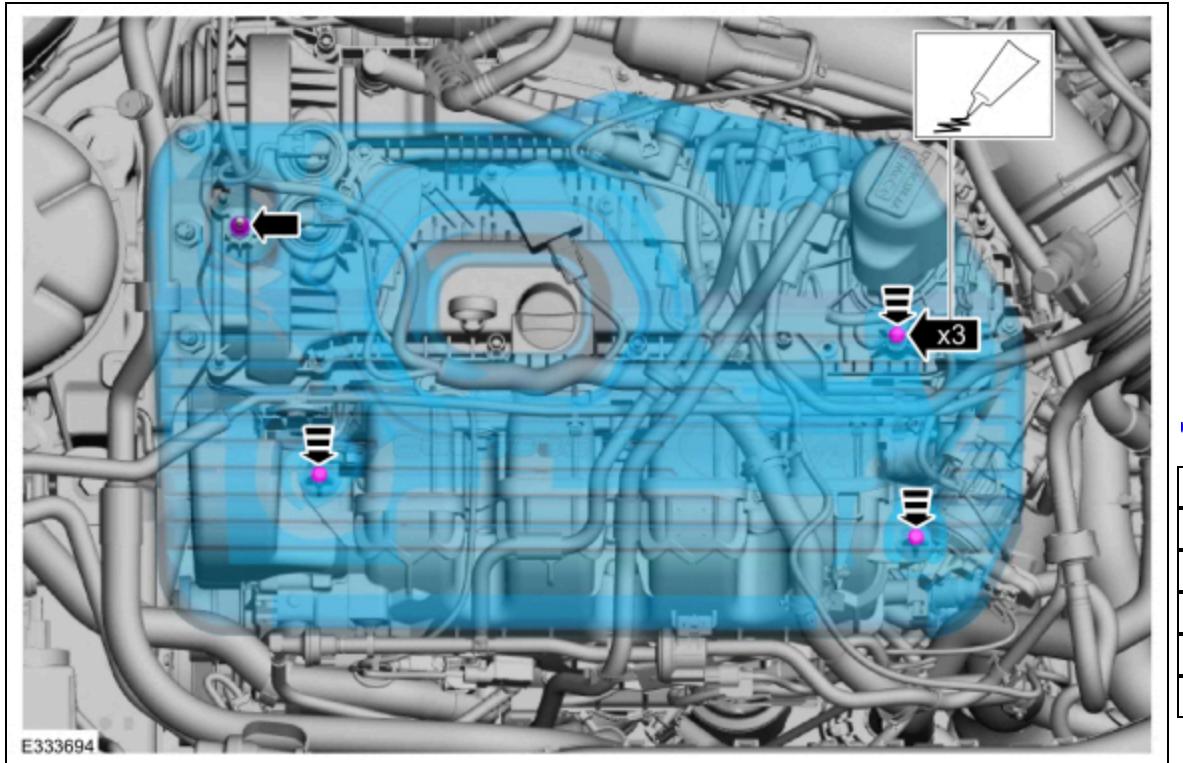


Installation

1. Inspect the turbocharger or engine air intake system components and clean, if necessary.
2. To install, reverse the removal procedure.
3.
 1. **NOTE:** *Lubricating the grommets with silicone grease aids in the installation of the engine appearance cover, and any future removal and installation of the cover.*

Lubricate each grommet with silicone grease.
Material: Motorcraft® Silicone Brake Caliper Grease and Dielectric Compound / XG-3-A (ESA-M1C200-A) (ESE-M1C171-A)

 2. If the engine appearance cover stud bolt is loosened or removed, it must be installed/tightened into the valve cover.
Torque: 62 lb.in (7 Nm)
 3. Position the engine appearance cover onto the engine with the grommets aligned with the studs.
 4. Press down on the engine appearance cover at each grommet location to attach the grommets onto the studs.
 5. Install the engine appearance cover nut.
Torque: 44 lb.in (5 Nm)



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