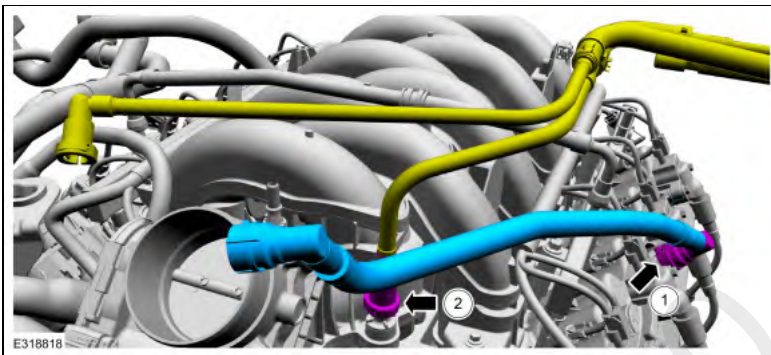


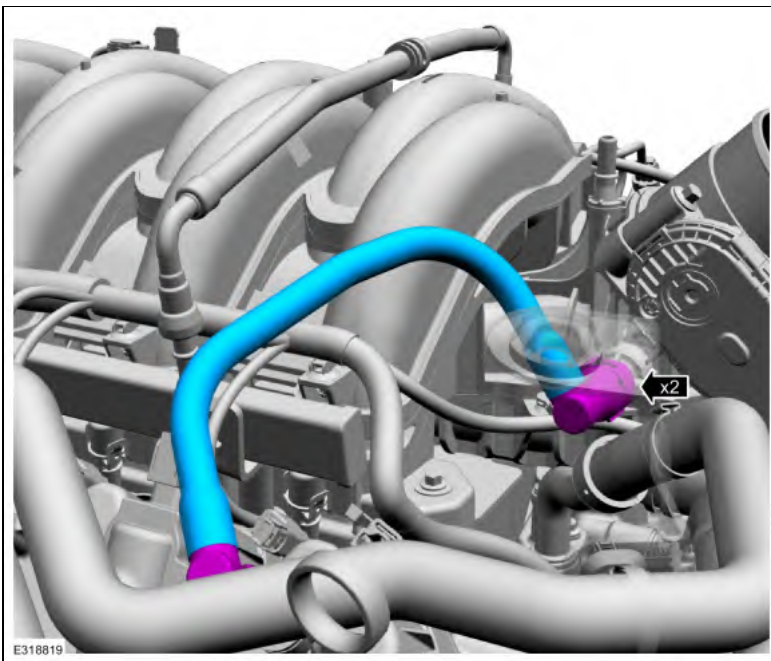
Intake Manifold

Removal

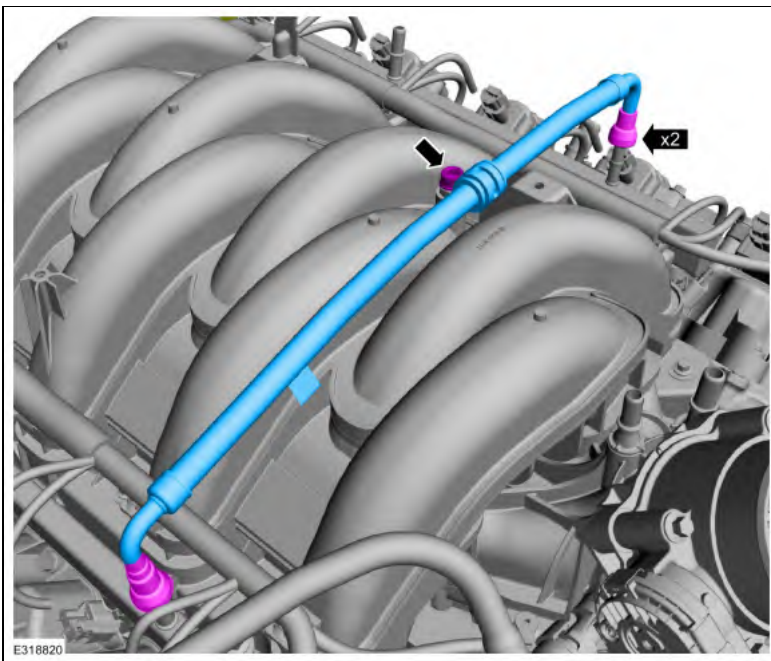
1. Release the fuel pressure.
Refer to: Fuel System Pressure Release (310-00C Fuel System - General Information - 7.3L 2V DEVCT V8 (239kW/320PS) (J0), General Procedures).
2. Disconnect the battery ground cable.
Refer to: Battery Disconnect and Connect (414-01 Battery, Mounting and Cables, General Procedures).
3. Remove the following items:
 1. Air cleaner outlet pipe.
Refer to: Air Cleaner Outlet Pipe (303-12C Intake Air Distribution and Filtering - 7.3L 2V DEVCT V8 (239kW/320PS) (J0), Removal and Installation).
 2. EVAP canister purge valve.
Refer to: Evaporative Emission Canister Purge Valve (303-13B Evaporative Emissions - 7.3L 2V DEVCT V8 (239kW/320PS) (J0), Removal and Installation).
4.
 1. Follow directions to release quick release coupling type 3. Disconnect and remove the crankcase vent tube.
Refer to: Quick Release Coupling (310-00 Fuel System - General Information - 7.3L 2V DEVCT V8 (239kW/320PS) (J0)) .
 2. Follow directions to release quick release coupling type 4. Disconnect and position aside the vacuum tube.
Refer to: Quick Release Coupling (310-00 Fuel System - General Information - 7.3L 2V DEVCT V8 (239kW/320PS) (J0)) .



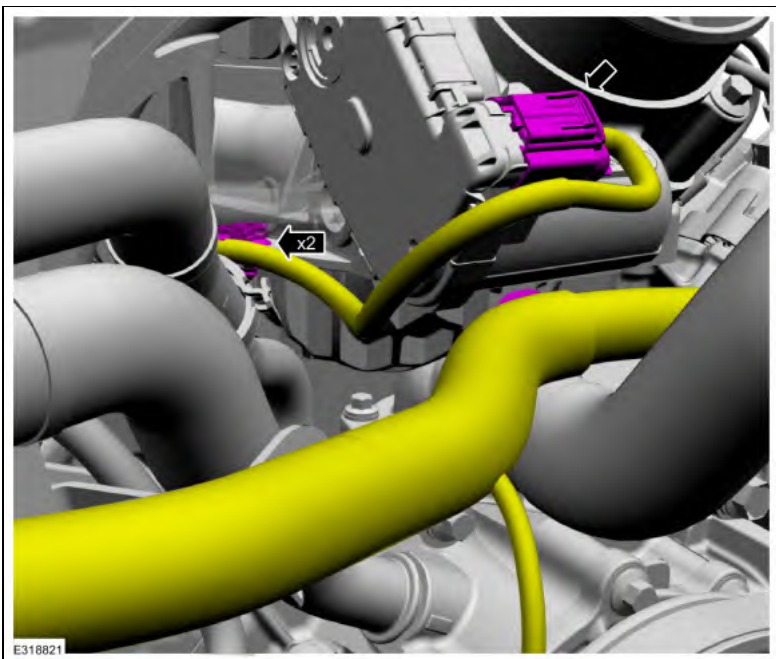
5. Follow directions to release quick release couplings type 3. Disconnect and remove the crankcase vent tube.
Refer to: Quick Release Coupling (310-00 Fuel System - General Information - 7.3L 2V DEVCT V8 (239kW/320PS) (J0)) .



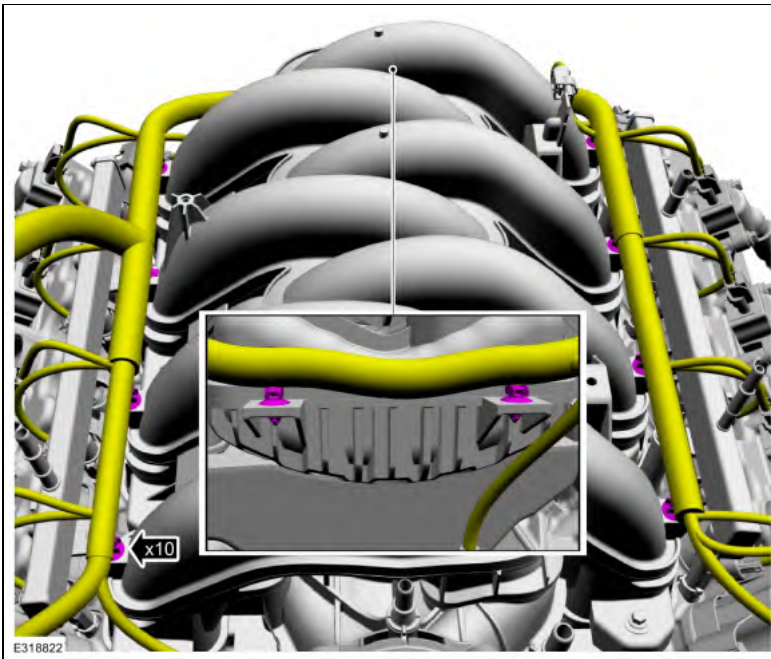
6.
 1. Remove the bolt.
 2. Follow directions to release the spring lock couplings. Disconnect and remove the fuel tube.
Refer to: Spring Lock Couplings (310-00C Fuel System - General Information - 7.3L 2V DEVCT V8 (239kW/320PS) (J0), General Procedures).



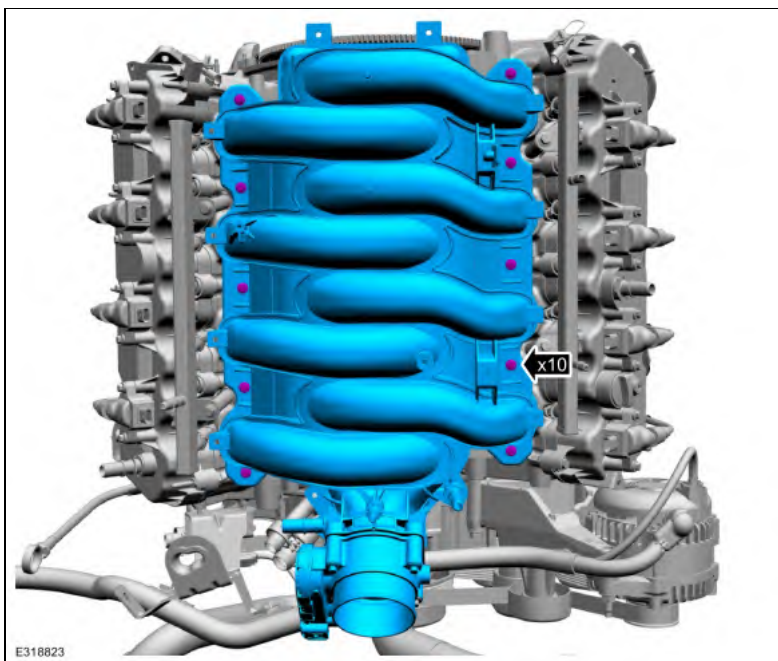
- 7.
- Disconnect the throttle body electrical connector.
 - Detach the retainers and position the wiring harness aside.



8. Detach the retainers and position the wiring harness aside.

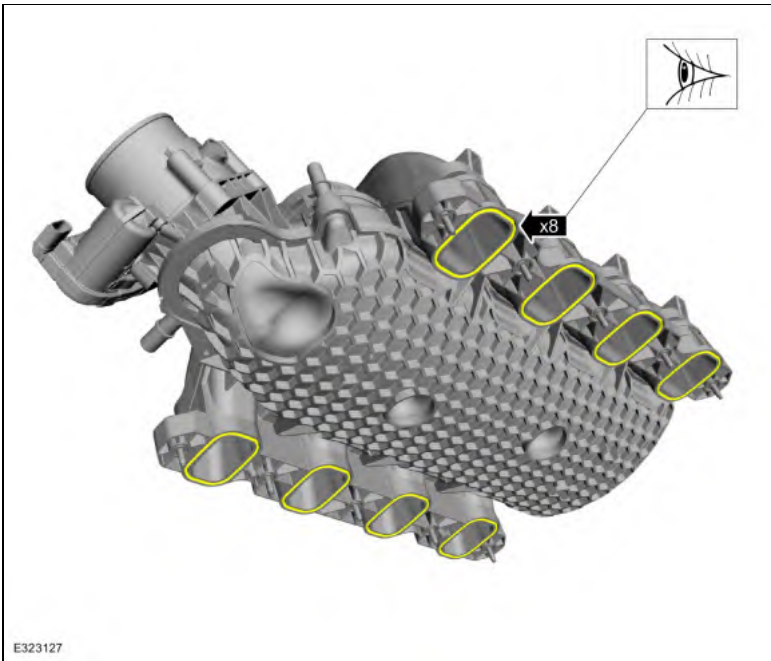


9. Loosen the bolts and remove the intake manifold.

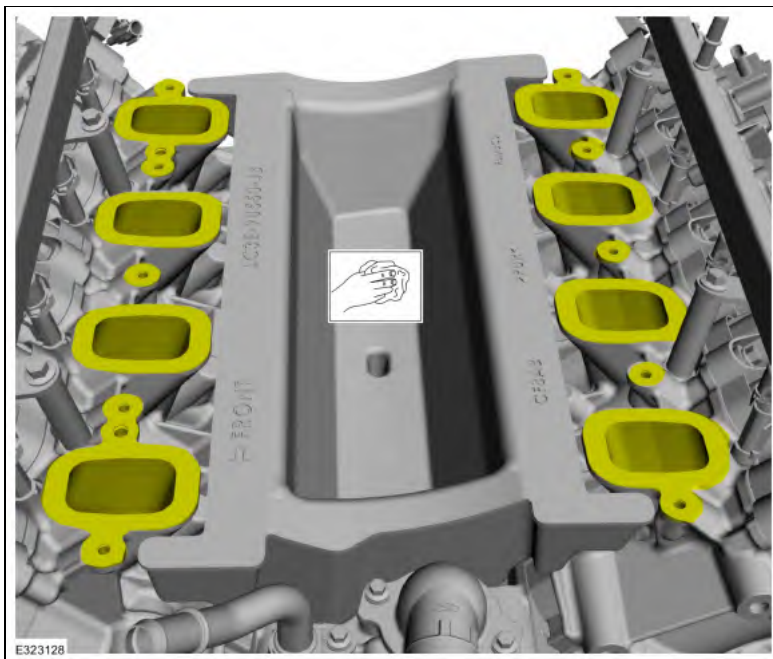


10. **NOTE:** *If the throttle body has to be removed from the intake manifold, refer to Section 303-04 for additional information.*

Visually inspect the intake manifold gaskets for, nicks, cuts and abrasions. If these conditions are not present, the gaskets may be re-used.



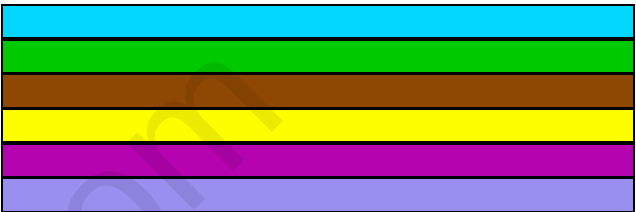
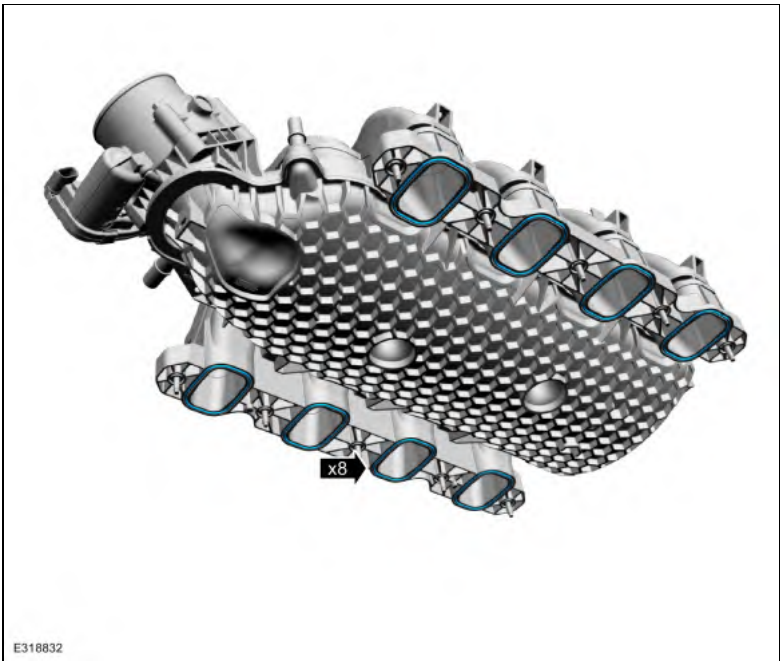
11. Make sure that the mating faces are clean and free of foreign material.



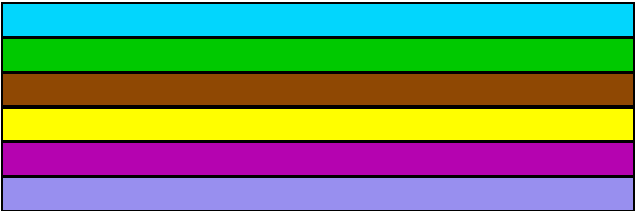
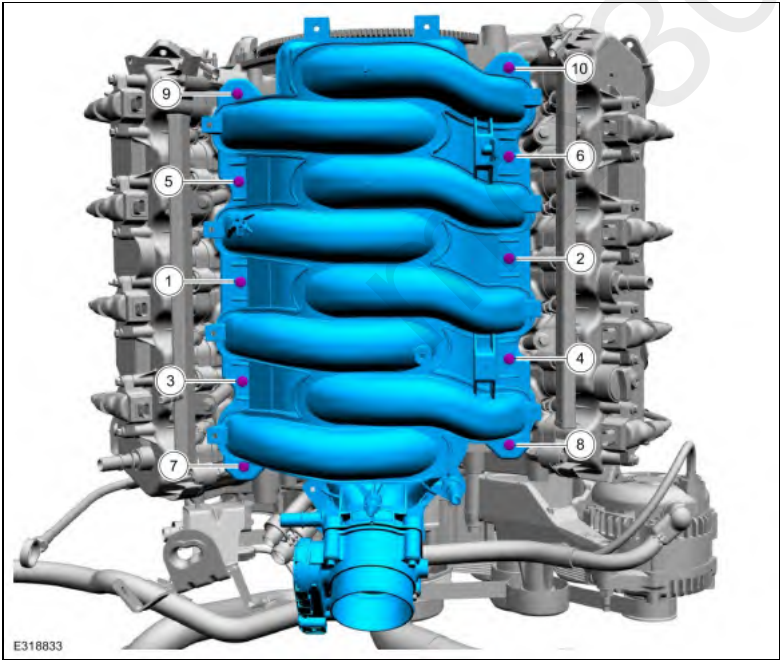
Installation

NOTICE: If the engine is repaired or replaced because of upper engine failure, typically including valve or piston damage, check the intake manifold for metal debris. If metal debris is found, install a new intake manifold. Failure to follow these instructions can result in engine damage.

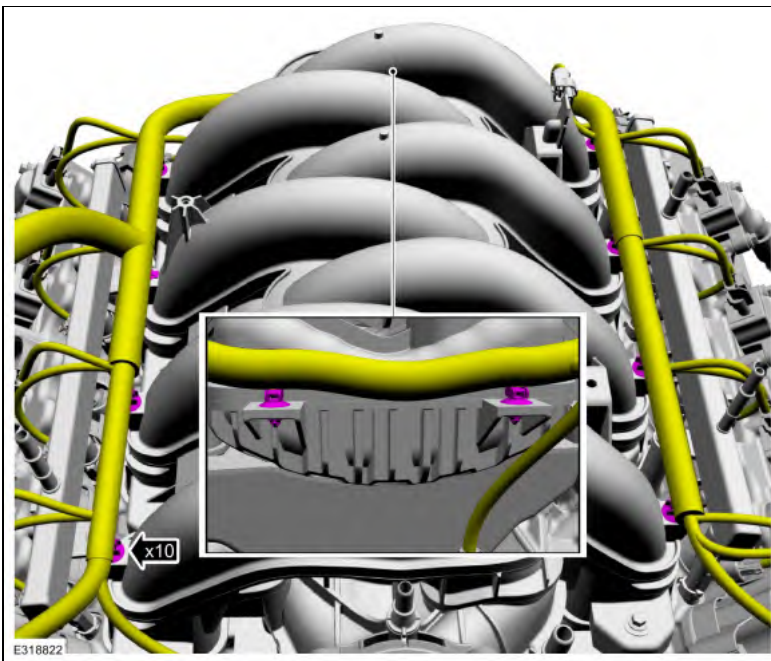
1. If necessary, install new gaskets.



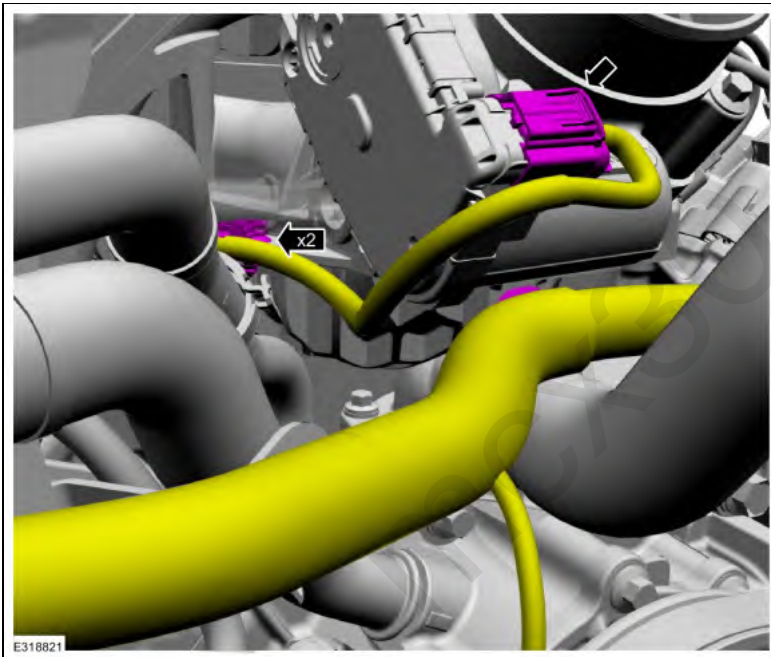
2. Install the intake manifold and finger tighten the bolts.
Torque:
Stage 1: 89 lb.in (10 Nm)
Stage 2: 45Â°



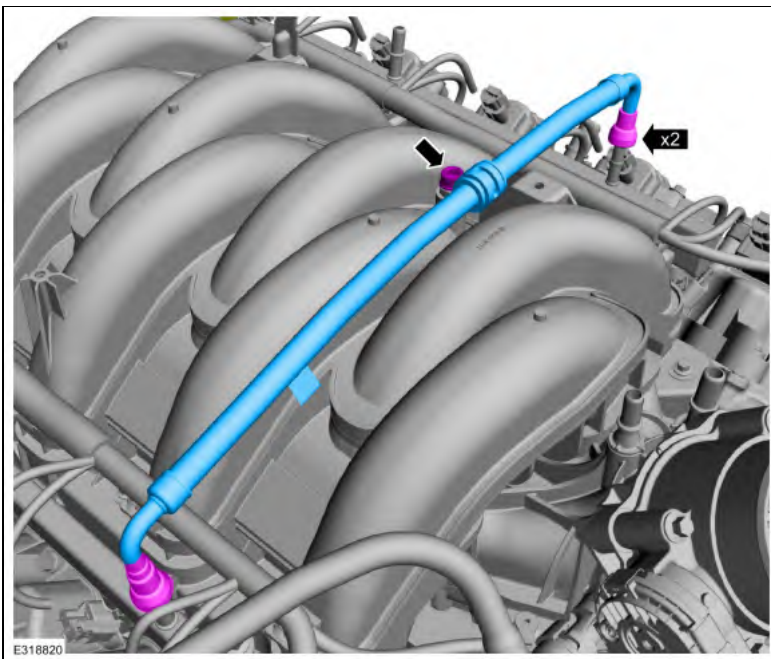
3. Position the wiring harness and attach the retainers.



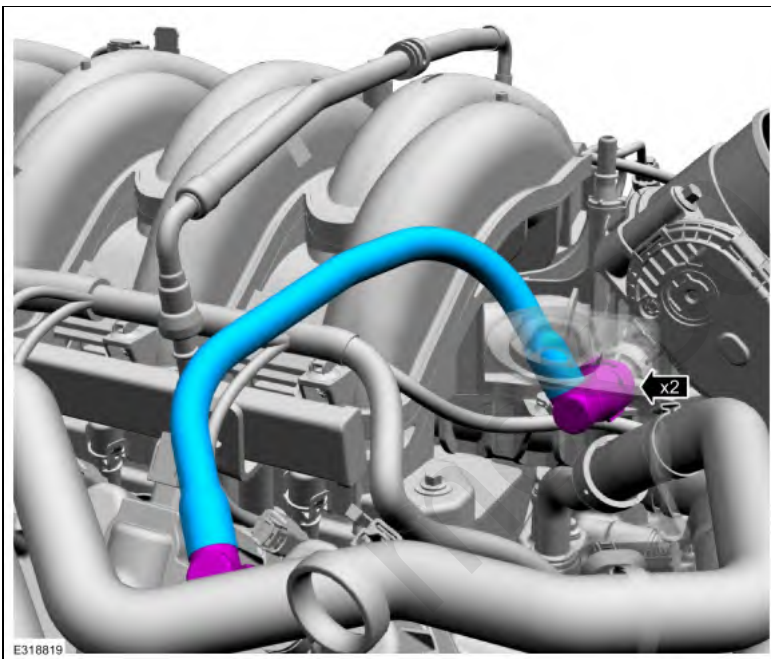
- 4.
- Connect the throttle body electrical connector.
 - Position the wiring harness and attach the retainers.



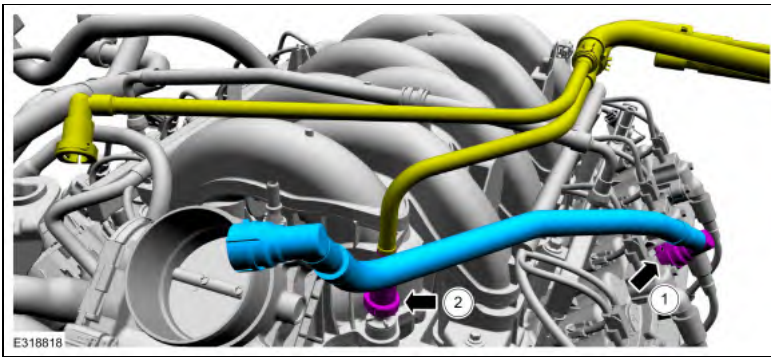
- 5.
1. Follow directions to connect the spring lock couplings. Install and connect the fuel tube.
Refer to: Spring Lock Couplings (310-00C Fuel System - General Information - 7.3L 2V DEVCT V8 (239kW/320PS) (J0), General Procedures).
 2. Install the bolt.
Torque: 89 lb.in (10 Nm)



6. Follow directions to connect quick release couplings type 3. Install and connect the crankcase vent tube.
Refer to: Quick Release Coupling (310-00 Fuel System - General Information - 7.3L 2V DEVCT V8 (239kW/320PS) (J0)).



- 7.
1. Follow directions to connect quick release coupling type 3. Install and connect the crankcase vent tube.
Refer to: Quick Release Coupling (310-00 Fuel System - General Information - 7.3L 2V DEVCT V8 (239kW/320PS) (J0)).
 2. Follow directions to connect quick release coupling type 4. Connect the vacuum tube.
Refer to: Quick Release Coupling (310-00 Fuel System - General Information - 7.3L 2V DEVCT V8 (239kW/320PS) (J0)).



8. Install the following items:

1. EVAP canister purge valve.

Refer to: Evaporative Emission Canister Purge Valve (303-13B Evaporative Emissions - 7.3L 2V DEVCT V8 (239kW/320PS) (J0), Removal and Installation).

2. Air cleaner outlet pipe.

Refer to: Air Cleaner Outlet Pipe (303-12C Intake Air Distribution and Filtering - 7.3L 2V DEVCT V8 (239kW/320PS) (J0), Removal and Installation).

9. Connect the battery ground cable.

Refer to: Battery Disconnect and Connect (414-01 Battery, Mounting and Cables, General Procedures).

10. Pressurize the fuel system.

Refer to: Fuel System Pressure Release (310-00C Fuel System - General Information - 7.3L 2V DEVCT V8 (239kW/320PS) (J0), General Procedures).

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