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2021 Ford EcoSport Service and Repair Manual

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control module) P0404:00		
PCM (powertrain control module) P0405:00	EGR Sensor 'A' Circuit Low: No Sub Type Information	Sets when the PCM (powertrain control module) detects the average voltage to the PCM (powertrain control module) drops to a voltage less than the minimum calibrated value. The EGR (exhaust gas recirculation) monitor checks the EGR (exhaust gas recirculation) valve position sensor signal to the PCM (powertrain control module) for low voltage.
PCM (powertrain control module) P0406:00	EGR Sensor 'A' Circuit High: No Sub Type Information	Sets when the PCM (powertrain control module) detects the average voltage to the PCM (powertrain control module) exceeds the maximum calibrated value. The EGR (exhaust gas recirculation) monitor checks the EGR (exhaust gas recirculation) valve position sensor signal to the PCM (powertrain control module) for high voltage.
PCM (powertrain control module) P04FA:00	EGR 'A' Control Temperature Too High: No Sub Type Information	Sets when the PCM (powertrain control module) detects the EGR (exhaust gas recirculation) valve position and speed of position is greater than a specified limit.

Possible Sources

- EGR (exhaust gas recirculation) valve circuitry concern
- MAP (manifold absolute pressure) sensor
- MAF (mass air flow) sensor
- EGR (exhaust gas recirculation) valve
- PCM (powertrain control module) (12A650)

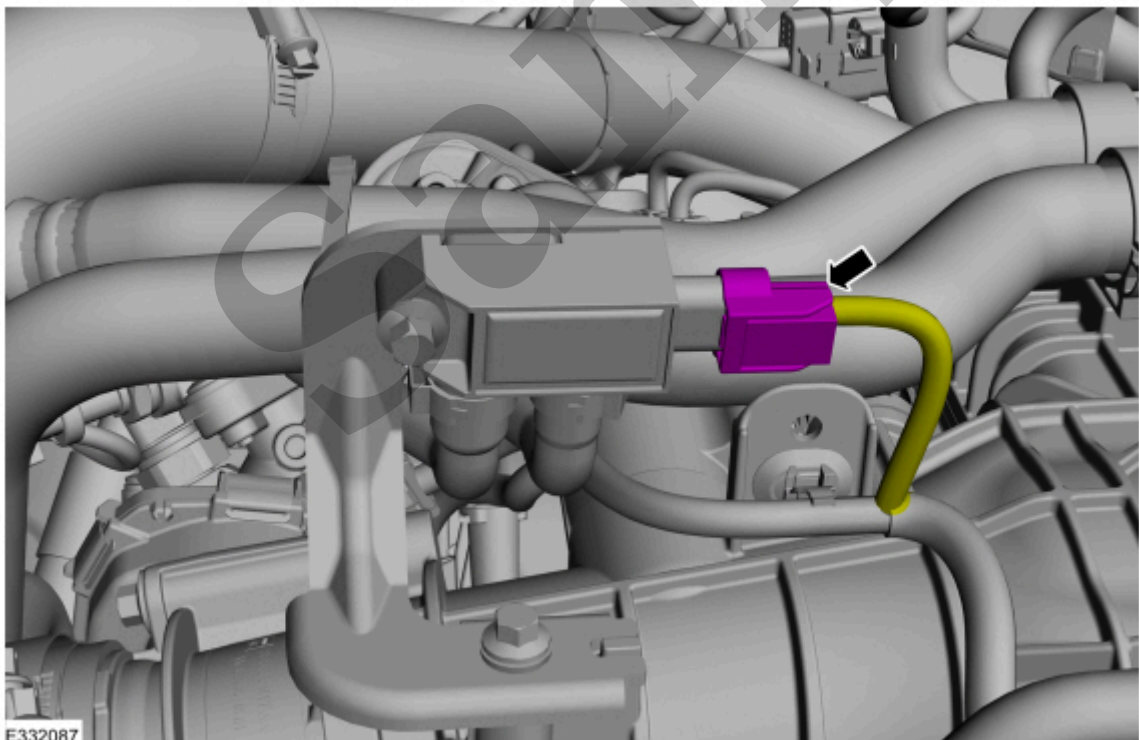
Pinpoint Test Steps available in the on-line Workshop Manual.



E332085

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2. Disconnect the electrical connector and position aside the wiring harness.



E332087

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Exhaust Gas Recirculation (EGR) Back Pressure Sensor

<i>303-08D Engine Emission Control - 3.5L V6 PowerBoost (CN)</i>	<i>2022 F-150</i>
<i>Removal and Installation</i>	<i>Procedure revision date: 09/23/2020</i>

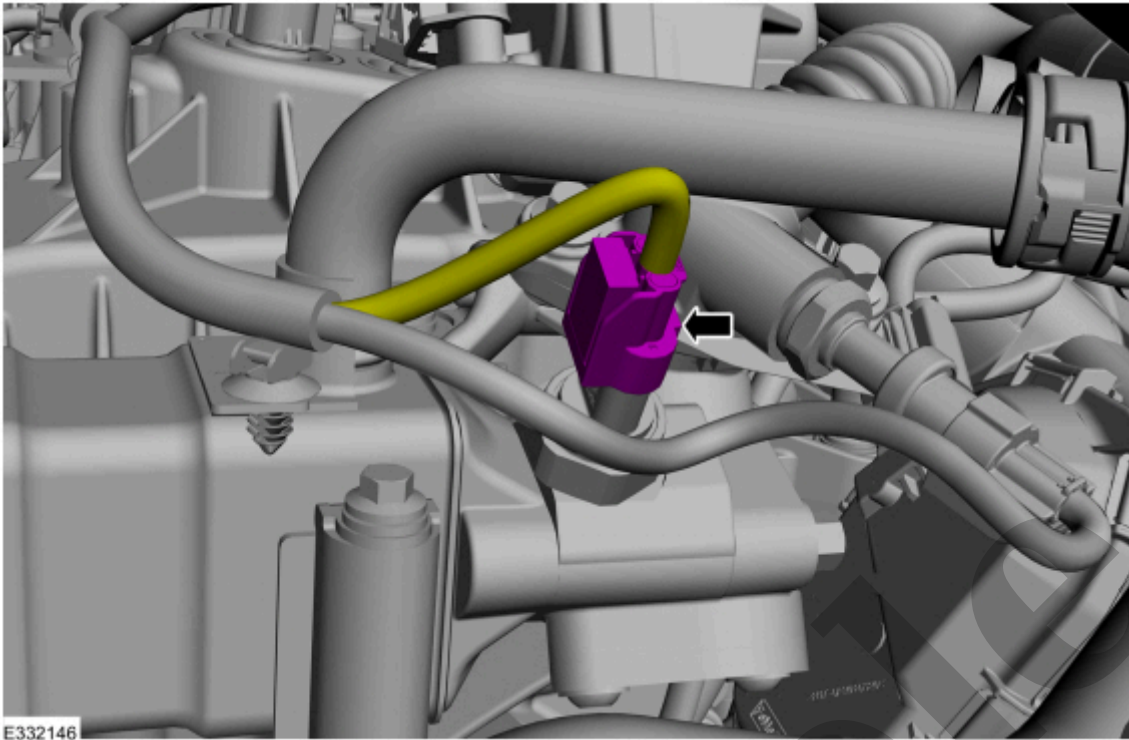
Exhaust Gas Recirculation (EGR) Back Pressure Sensor

Removal

NOTE

Removal steps in this procedure may contain installation details.

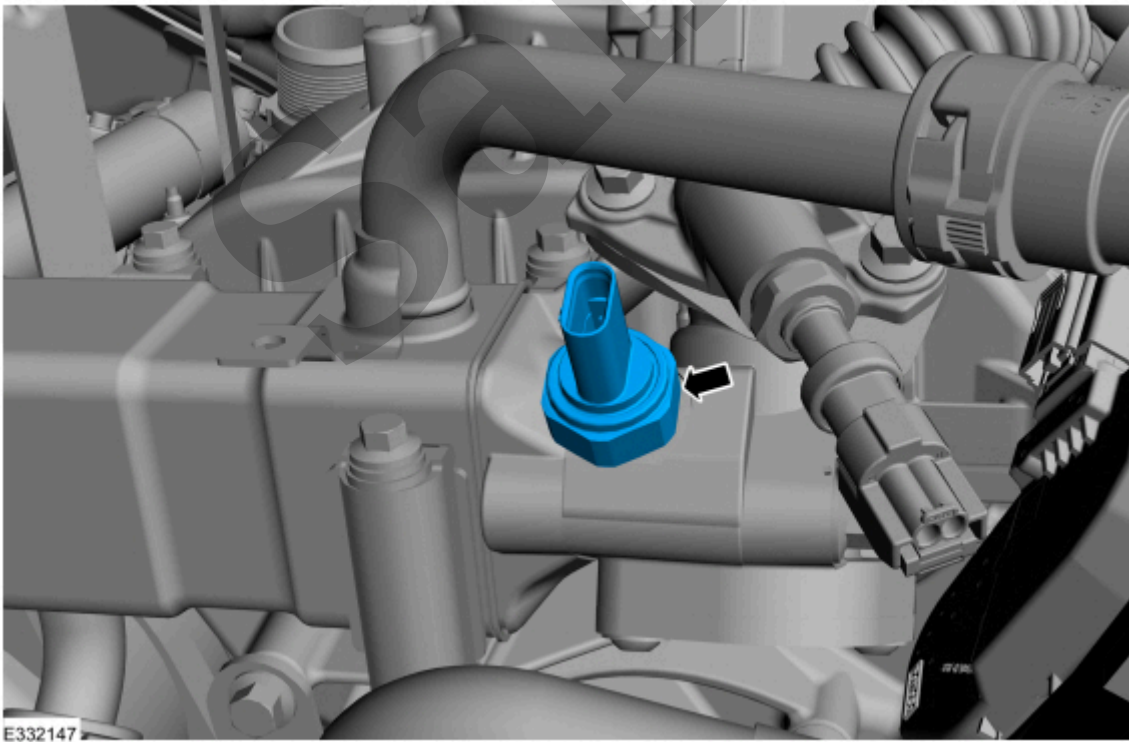
1. Remove the engine appearance cover retainers, release the engine appearance cover from the rear retainers and then remove the engine appearance cover.



[Click here to learn about symbols, color coding, and icons used in this manual.](#)

5. Remove the EGR (exhaust gas recirculation) back pressure sensor.

Torque : 97 lb.in (11 Nm)



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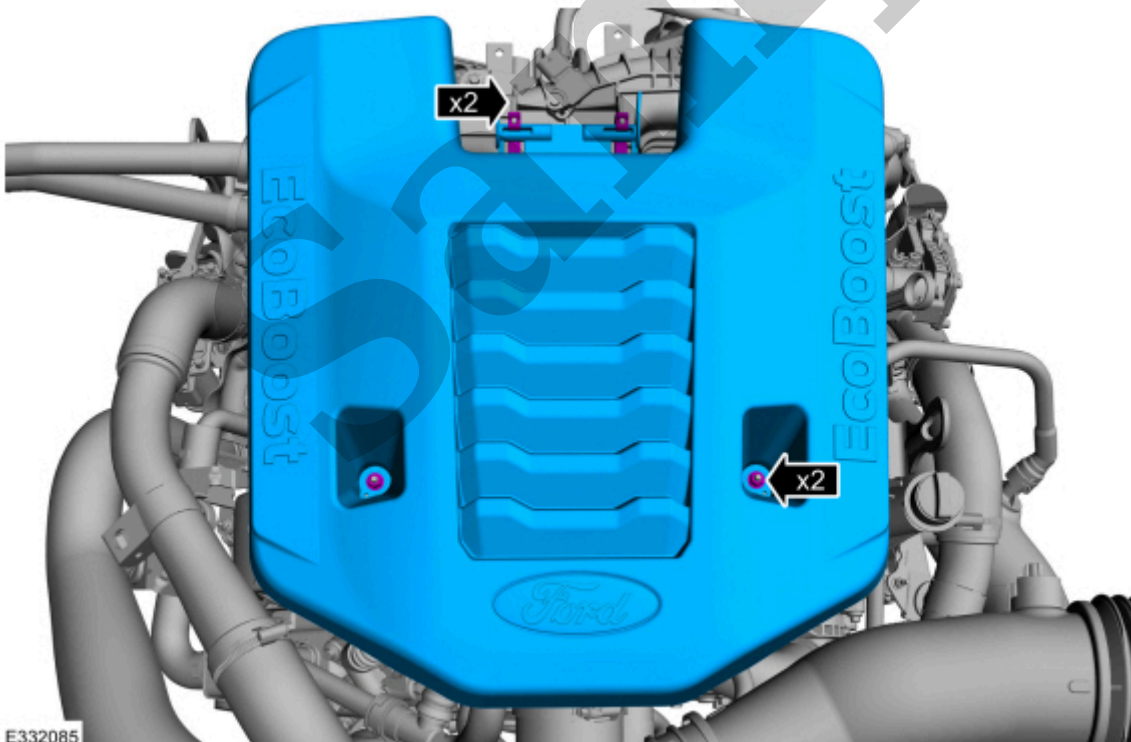
Exhaust Gas Recirculation (EGR) Cooler

303-08D Engine Emission Control - 3.5L V6 PowerBoost (CN)	2022 F-150
Removal and Installation	Procedure revision date: 08/30/2021

Exhaust Gas Recirculation (EGR) Cooler

Removal

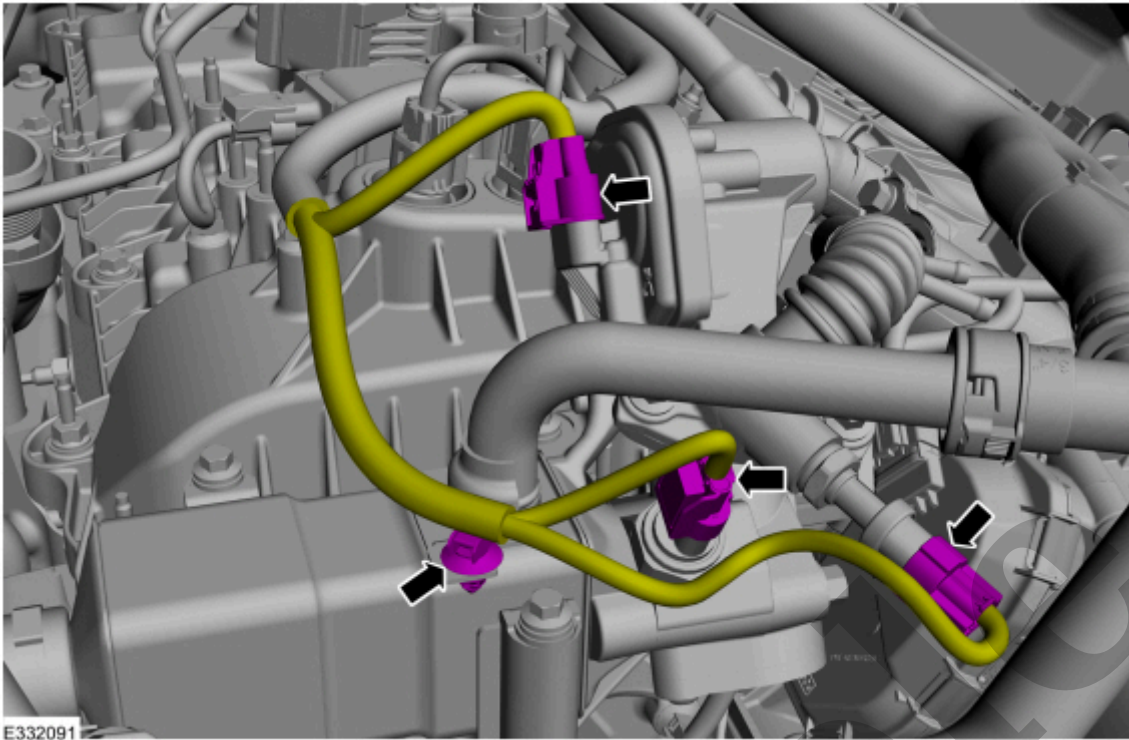
1. Remove the engine appearance cover retainers, release the engine appearance cover from the rear retainers and then remove the engine appearance cover.



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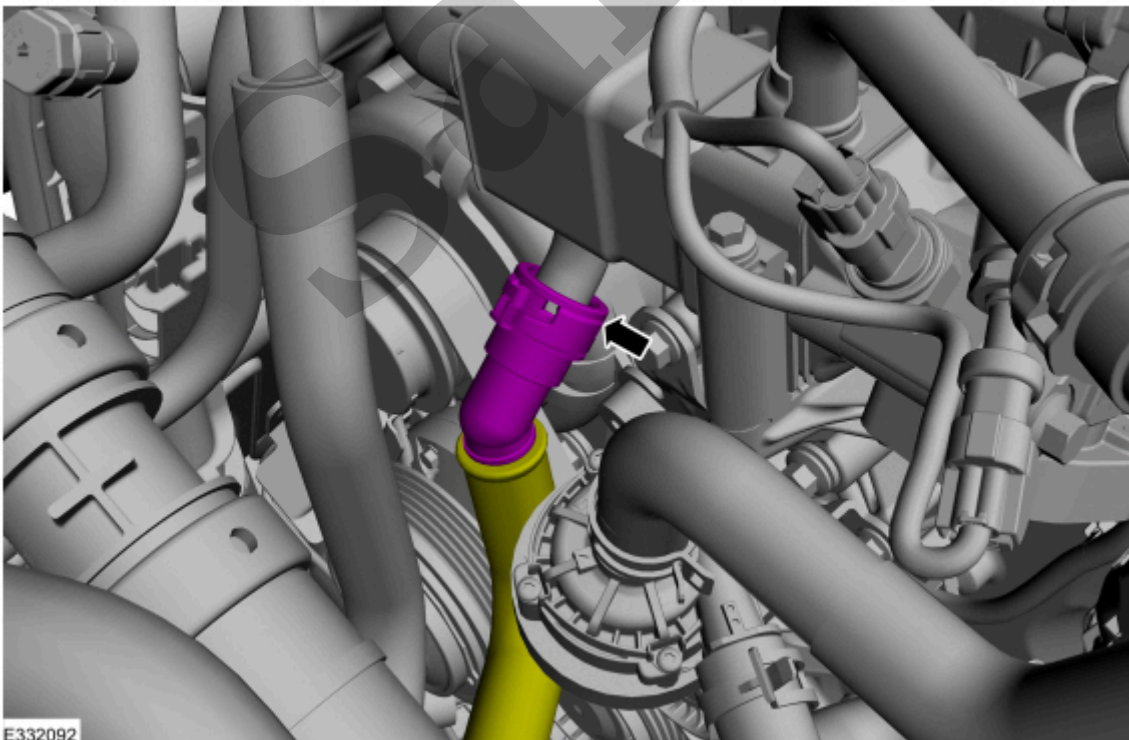
2. Remove the RH (right-hand) side air cleaner outlet pipe.

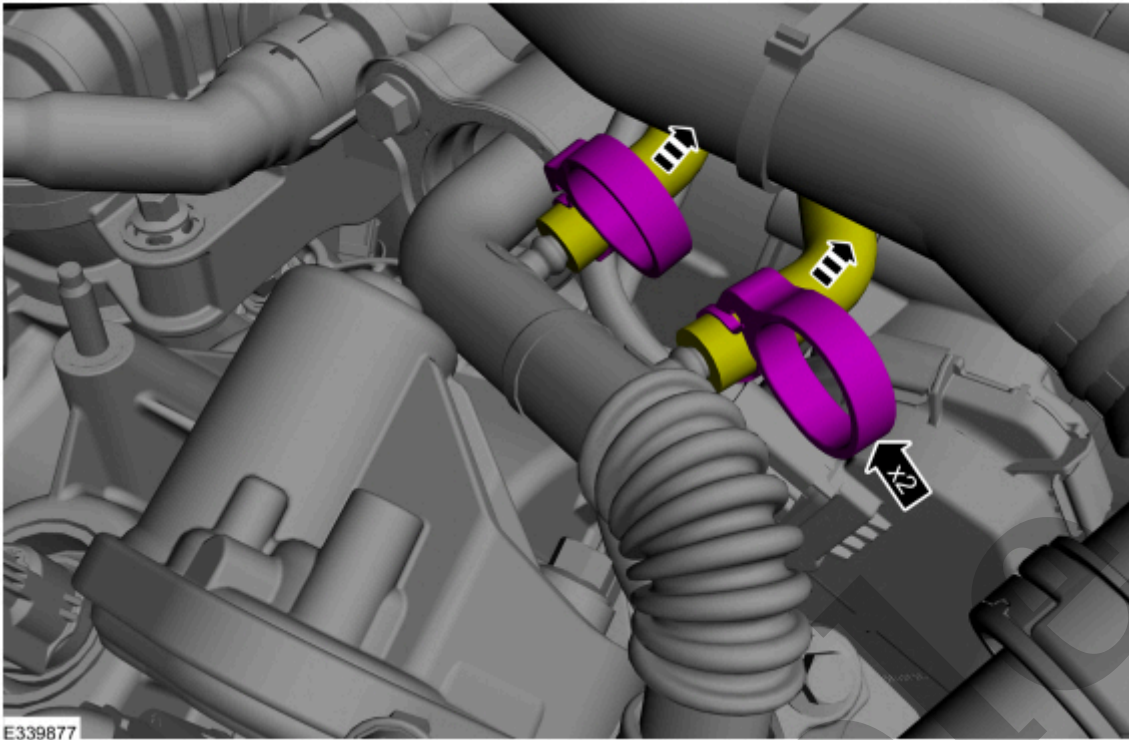


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7. Disconnect the lower coolant hose from the EGR (exhaust gas recirculation) cooler assembly.

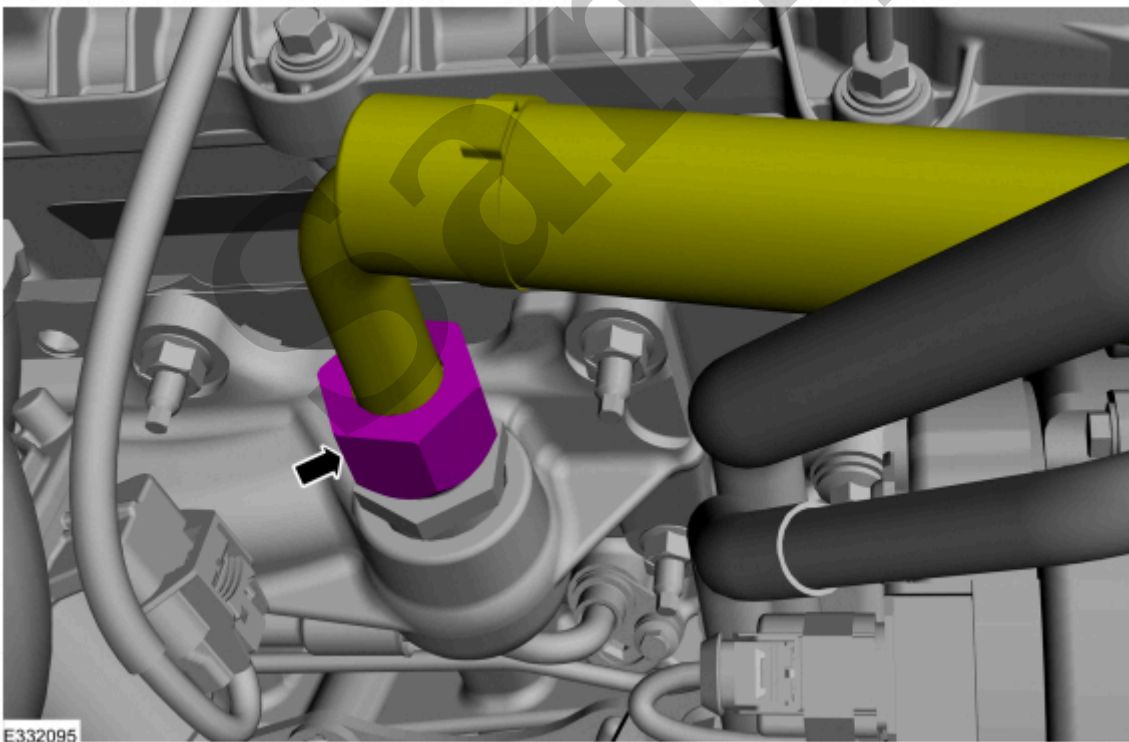
Refer to: [Quick Release Coupling](#)(310-00D Fuel System - General Information - 3.5L V6 PowerBoost (CN), General Procedures).





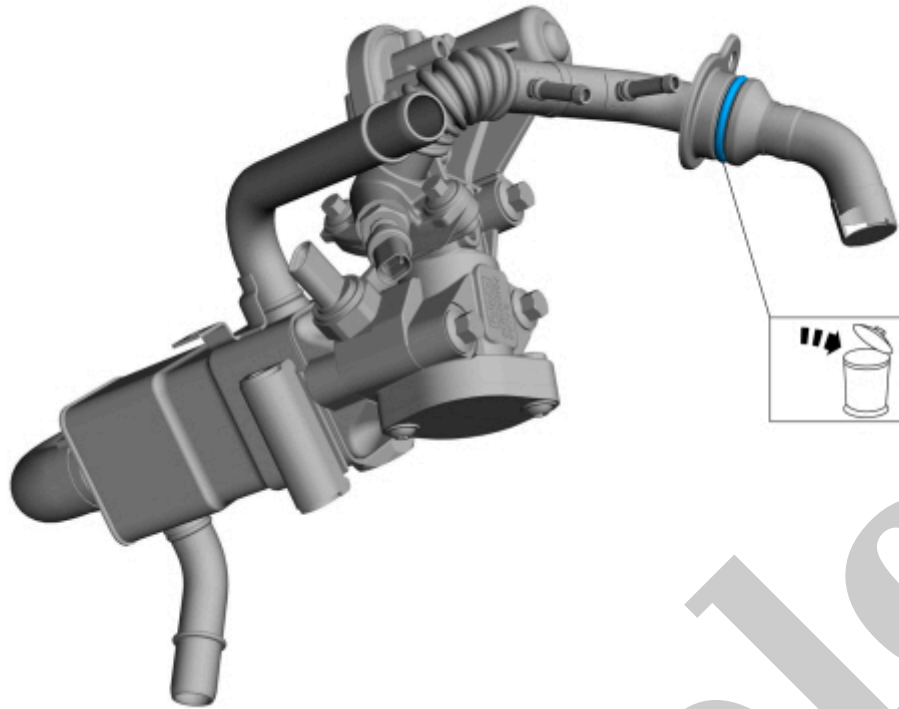
[Click here to learn about symbols, color coding, and icons used in this manual.](#)

10. Remove the EGR (exhaust gas recirculation) inlet tube nut.



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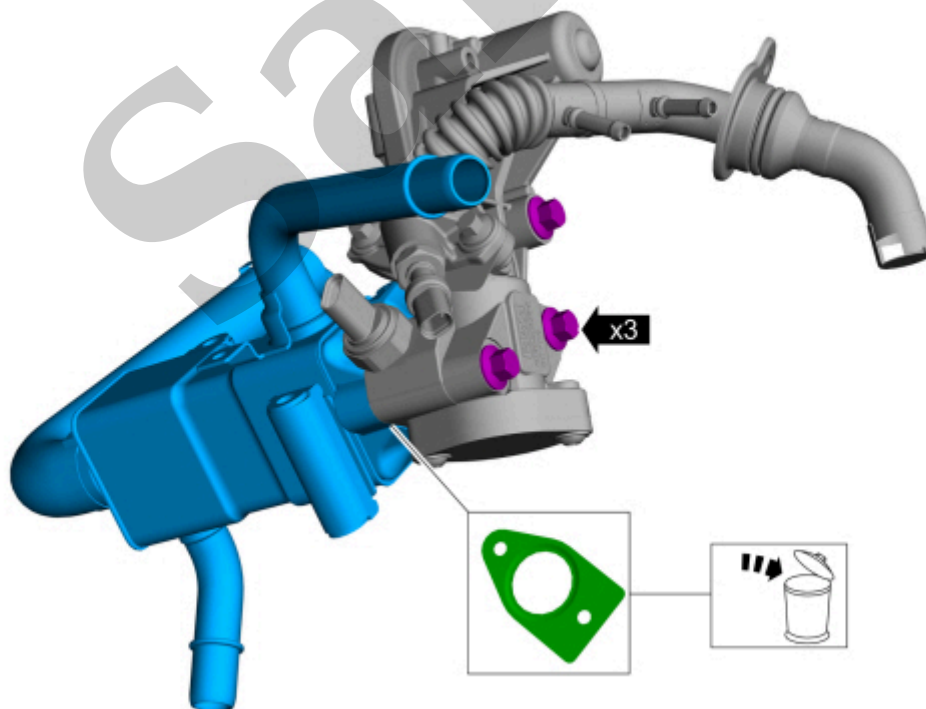
11. Remove the EGR (exhaust gas recirculation) assembly.



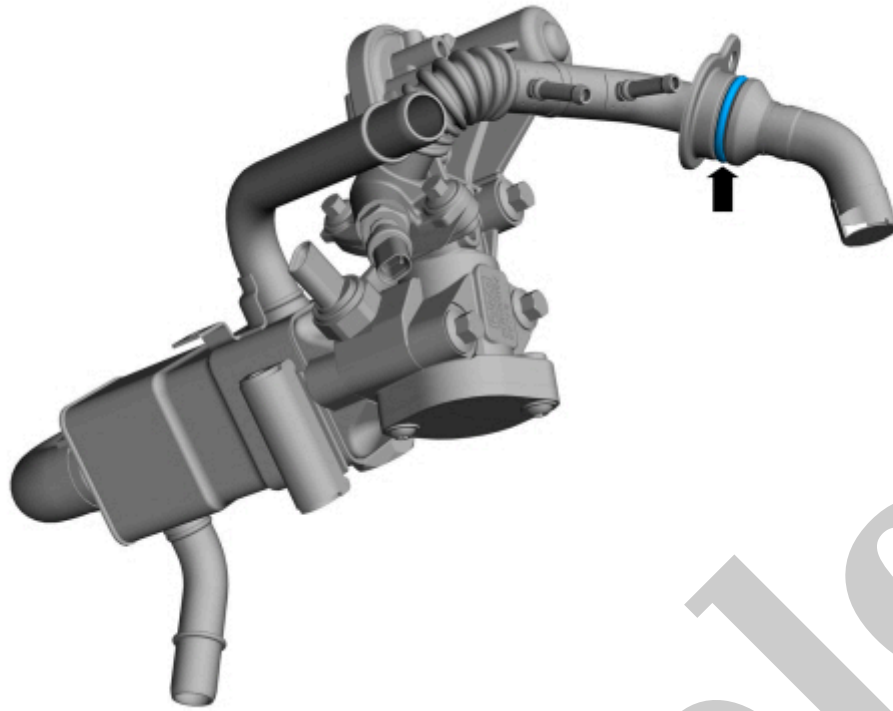
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14.
 - Remove the bolts and EGR (exhaust gas recirculation) cooler assembly.
 - Remove and discard the EGR (exhaust gas recirculation) valve gasket.



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3. NOTE

The new EGR (exhaust gas recirculation) to exhaust manifold connector comes with lubricant, no lubricant needs to be applied.

Install the new EGR (exhaust gas recirculation) to exhaust manifold connector.

Torque : 125 lb.ft (170 Nm)