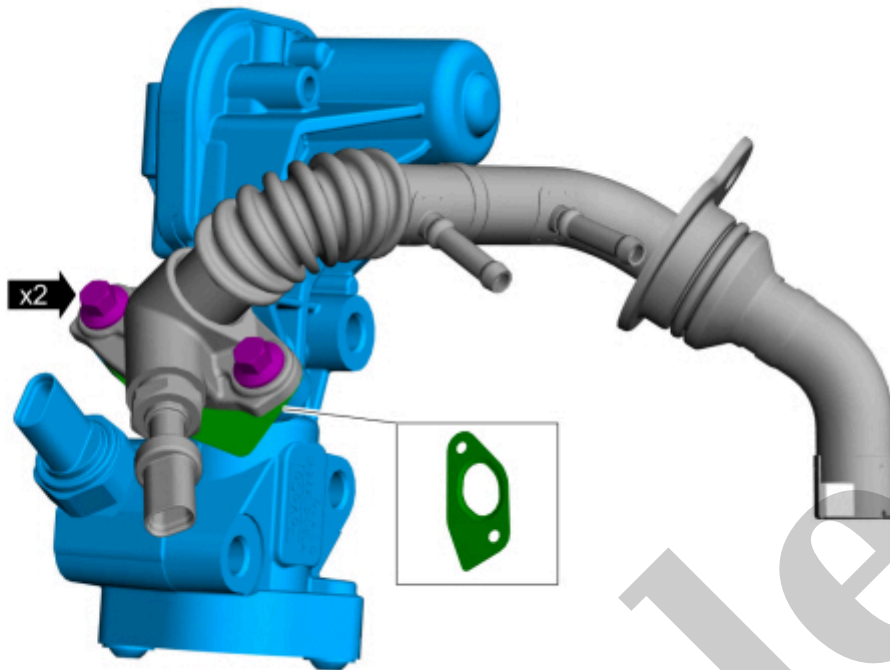


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## 2021 Ford Escape Service and Repair Manual

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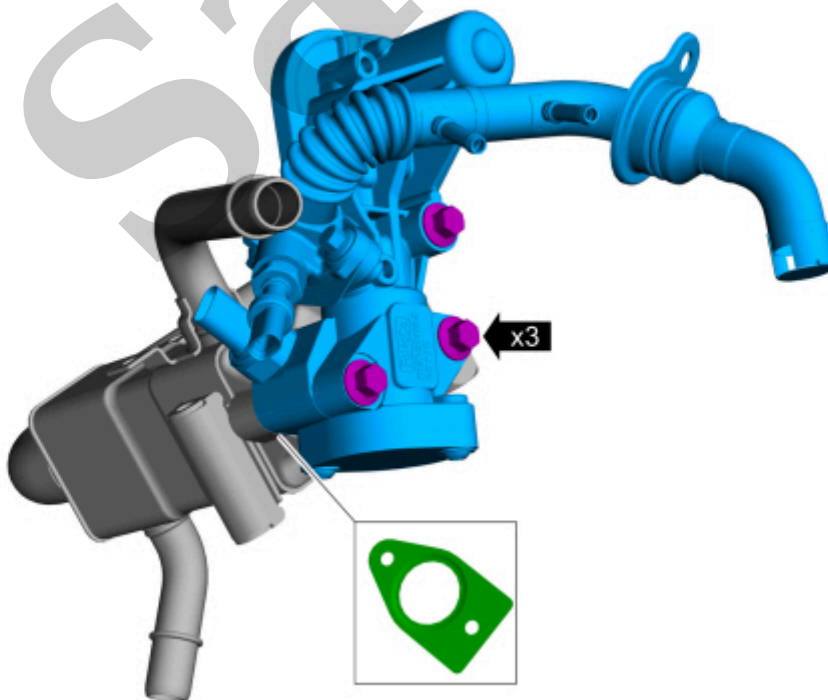


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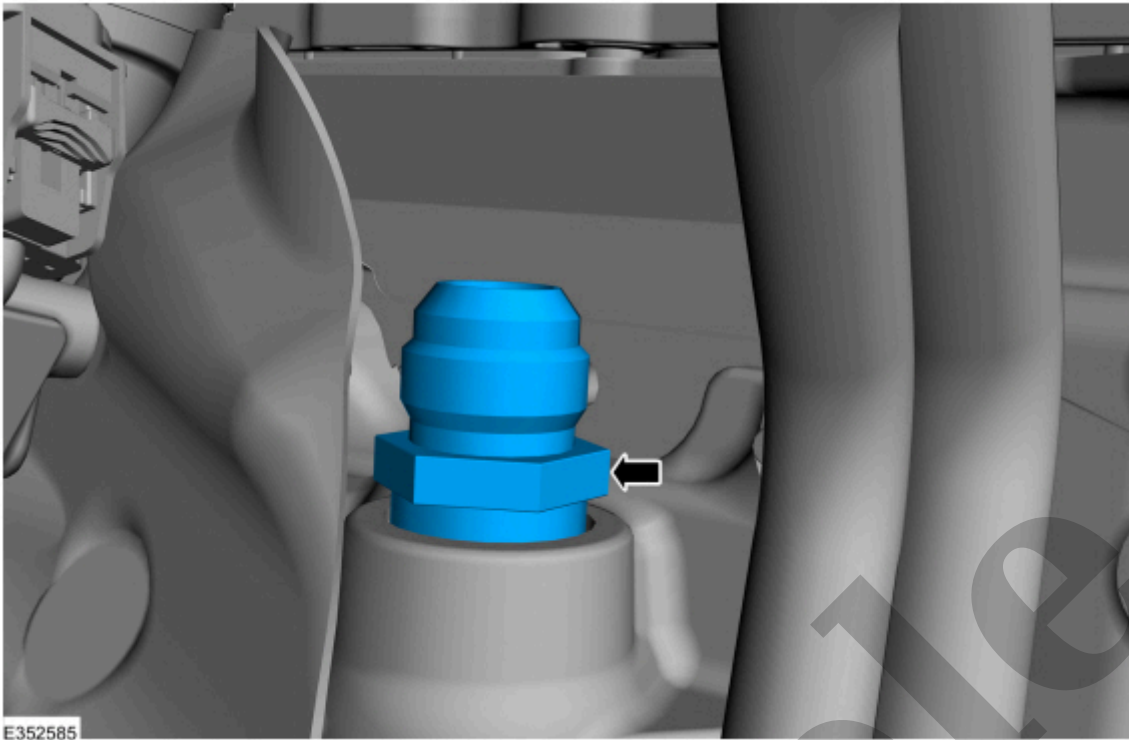
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2.
  - Install the EGR (exhaust gas recirculation) valve gasket.
  - Install the EGR (exhaust gas recirculation) valve assembly.

**Torque** : 22 lb.ft (30 Nm)

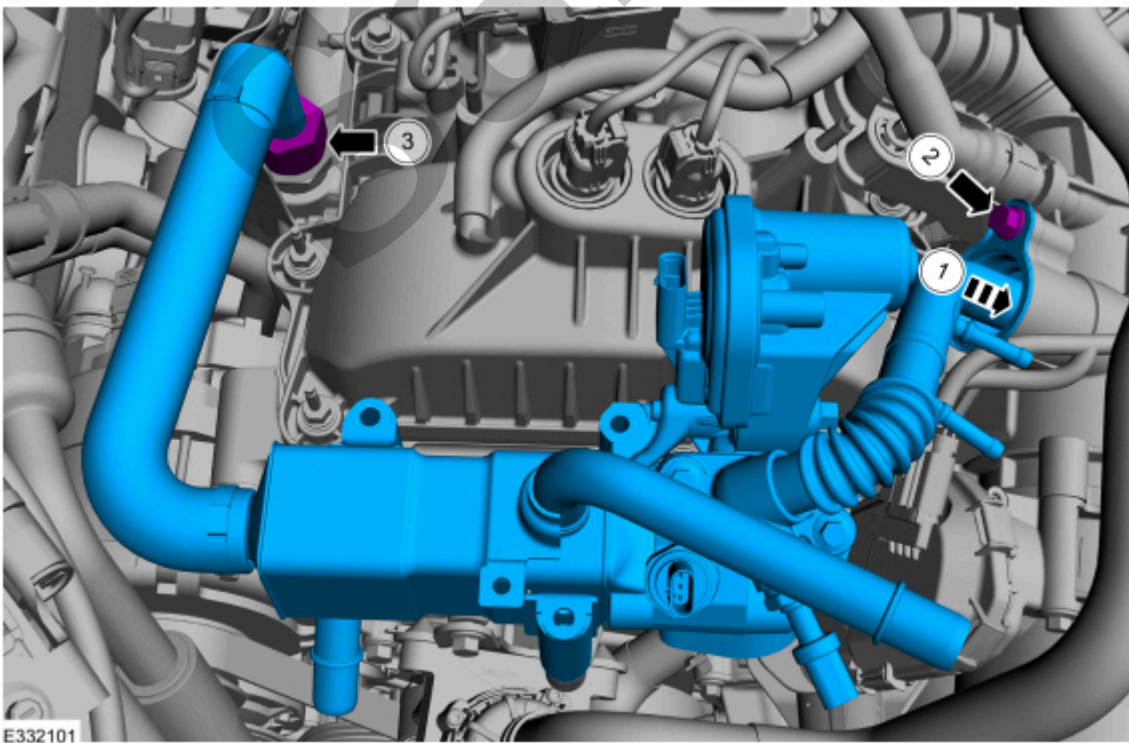


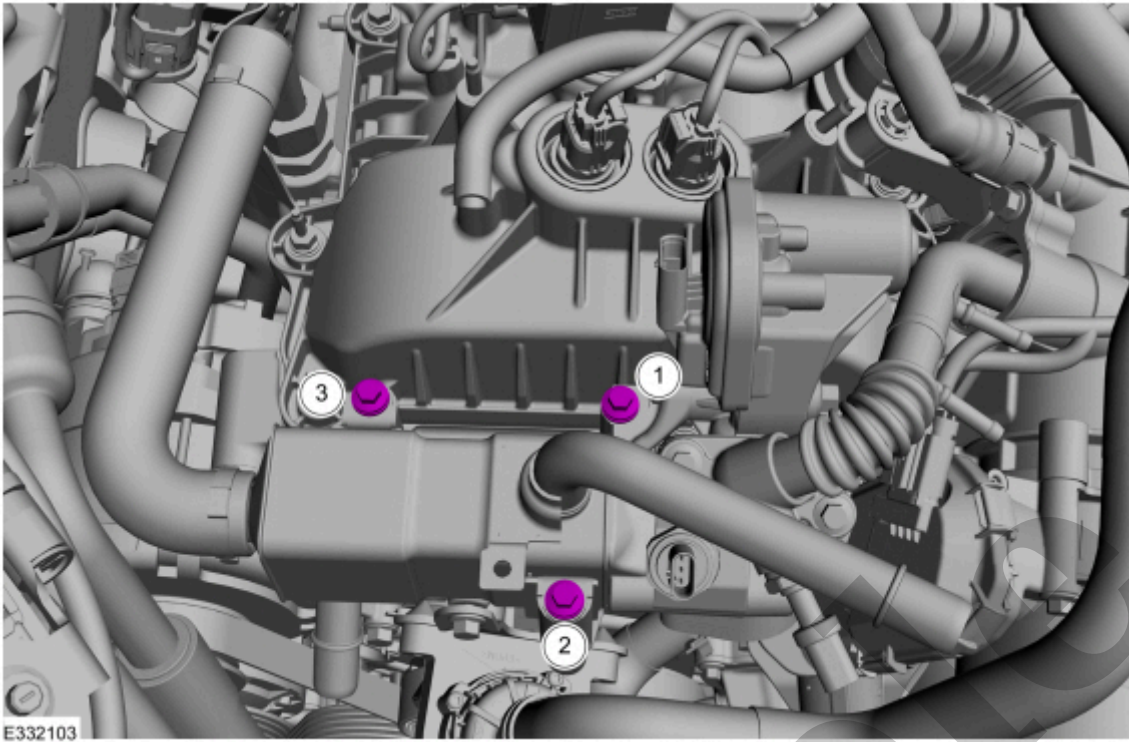
E332086



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5. 1. Install the EGR (exhaust gas recirculation) valve assembly.
2. Install the EGR (exhaust gas recirculation) valve outlet tube fastener and hand tighten at this stage.
3. Install the EGR (exhaust gas recirculation) valve inlet tube nut and hand tighten at this stage.





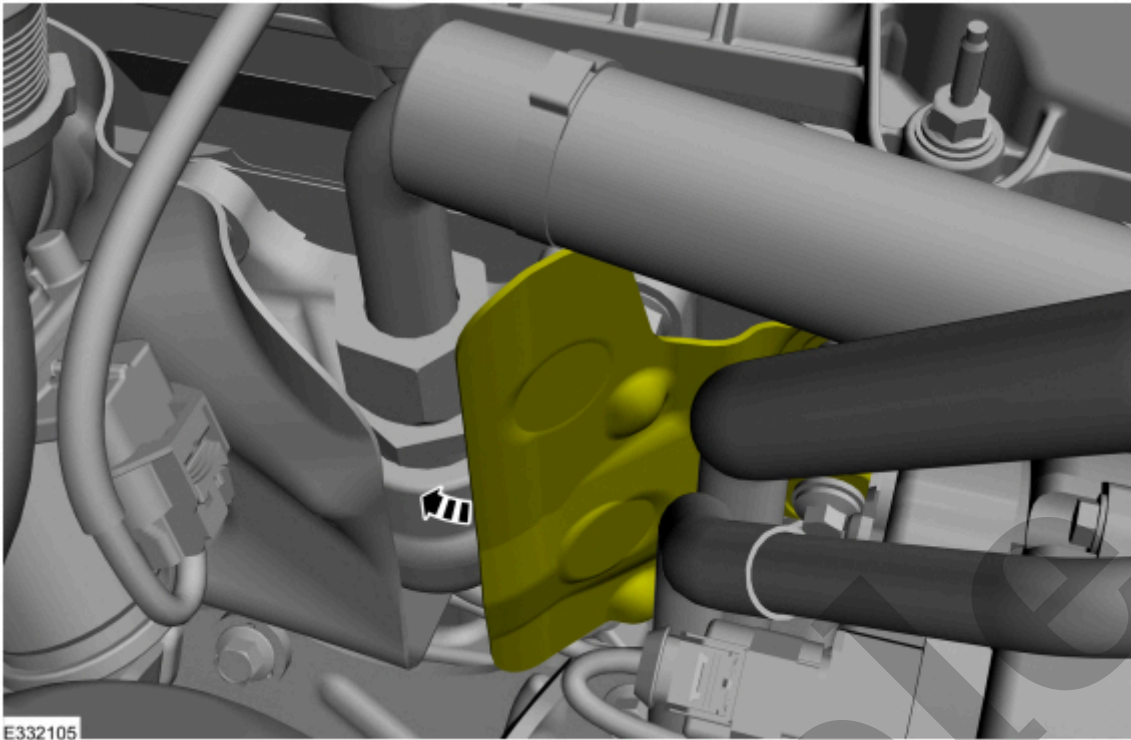
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8. 1. Tighten the EGR (exhaust gas recirculation) valve outlet tube fastener.

***Torque*** : 89 lb.in (10 Nm)

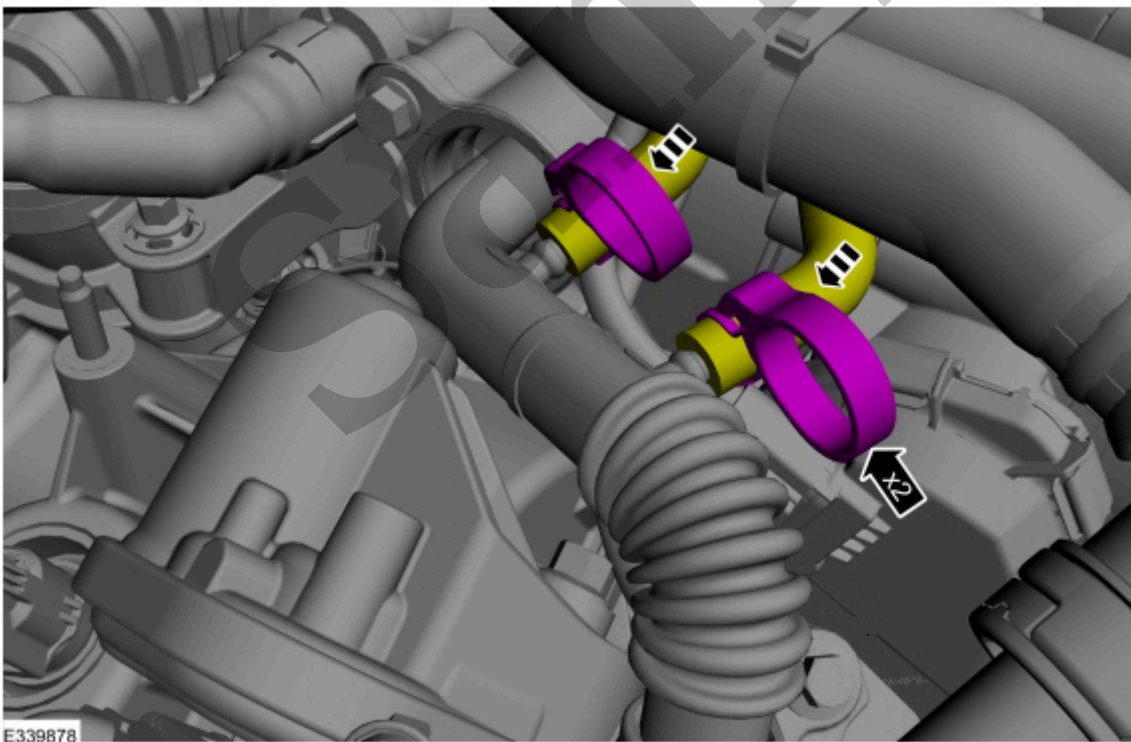
2. Tighten the EGR (exhaust gas recirculation) valve inlet tube fastener.

***Torque*** : 111 lb.ft (150 Nm)



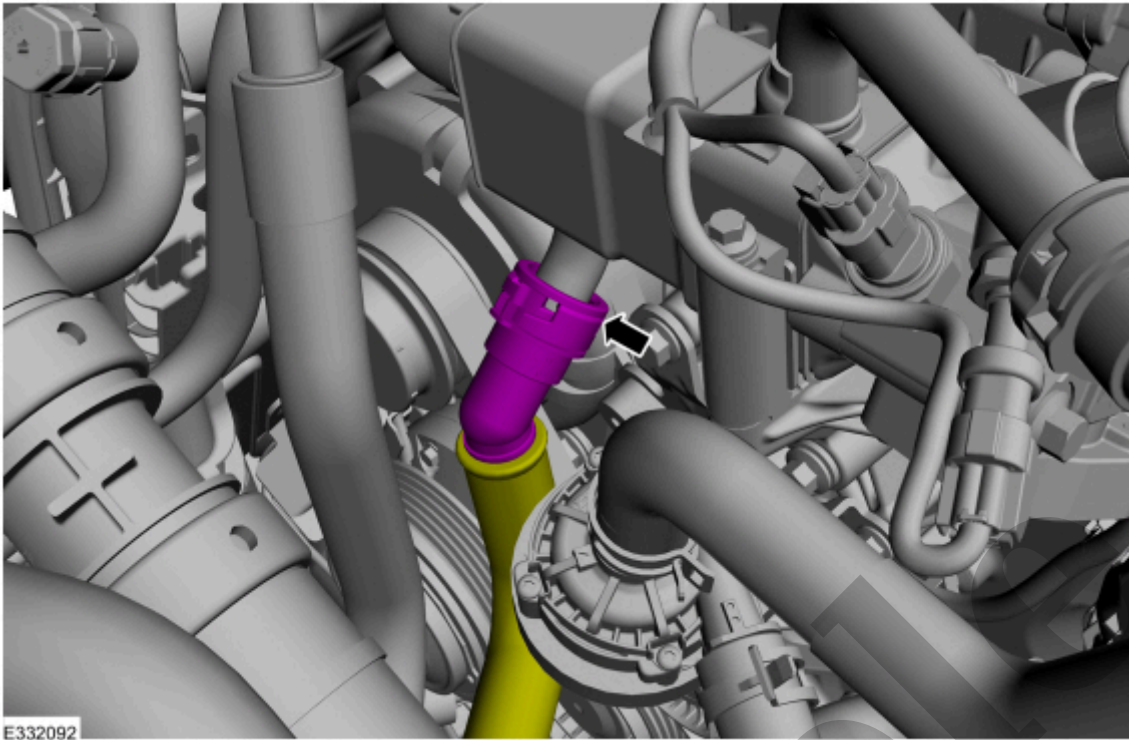
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11. Connect the differential pressure sensor hoses.



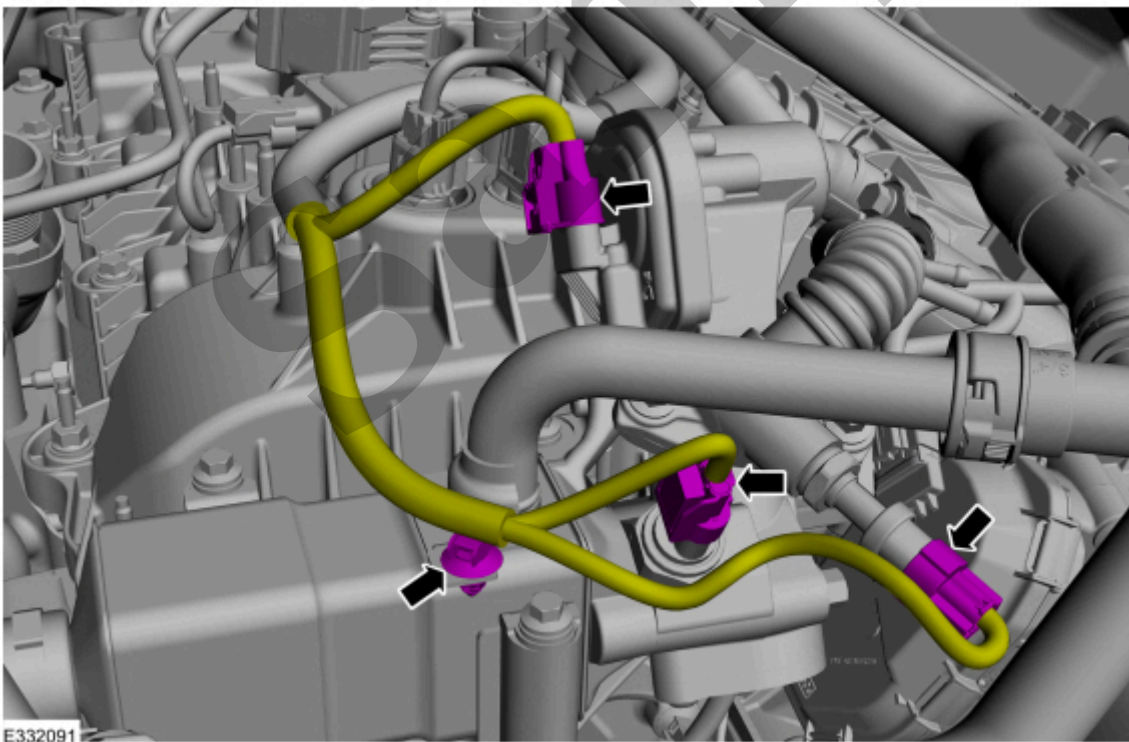
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12. Connect the upper coolant hose to the EGR (exhaust gas recirculation) cooler assembly.



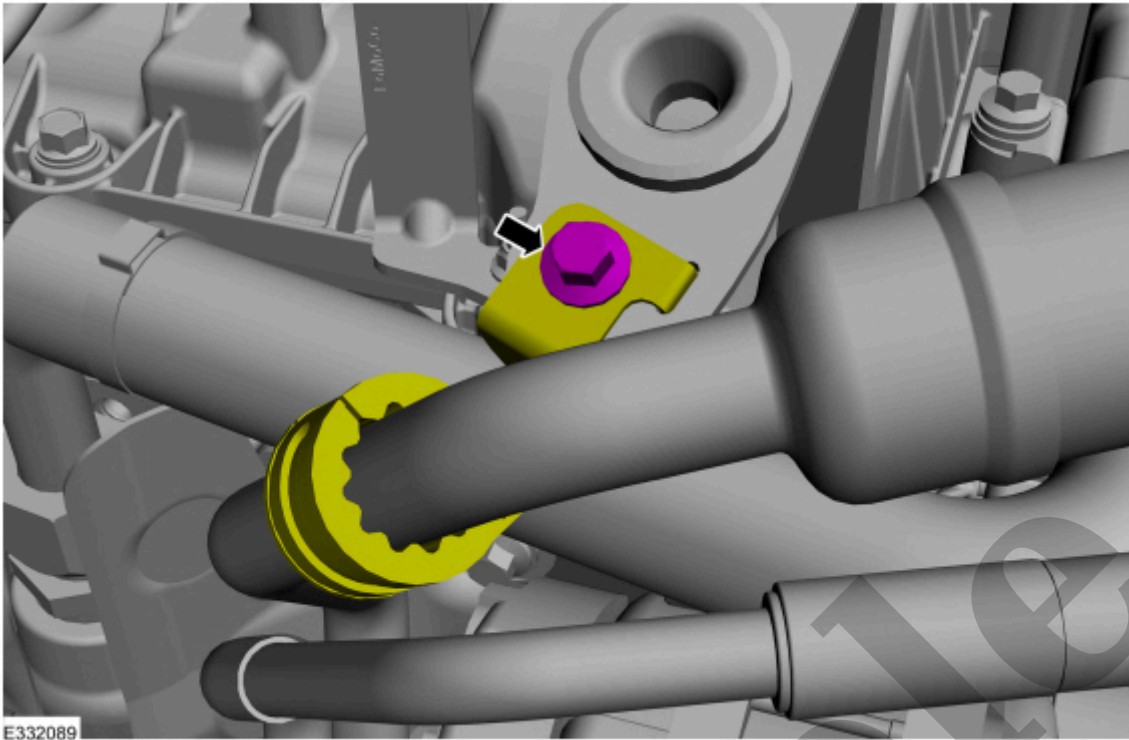
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14. Connect the electrical connectors and wiring harness retainer.



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15. Install the CAC (charge air cooler) tube bracket and retainers.



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17. Install the RH (right-hand) side CAC (charge air cooler) intake pipe.

Refer to: [Charge Air Cooler \(CAC\) Intake Pipe](#)(303-12C Intake Air Distribution and Filtering - 3.5L EcoBoost (BM), Removal and Installation).

18. Install the RH (right-hand) side air cleaner outlet pipe.

Refer to: [Air Cleaner Outlet Pipe RH](#)(303-12C Intake Air Distribution and Filtering - 3.5L EcoBoost (BM), Removal and Installation).

19. Slide the engine appearance cover into the retaining bracket and install the retainers.

**Torque** : 97 lb.in (11 Nm)



## Positive Crankcase Ventilation (PCV) Valve

<i>303-08C Engine Emission Control - 3.5L EcoBoost (BM)</i>	<i>2022 F-150</i>
<i>Removal and Installation</i>	<i>Procedure revision date: 09/23/2020</i>

### Positive Crankcase Ventilation (PCV) Valve

#### Removal

##### NOTE

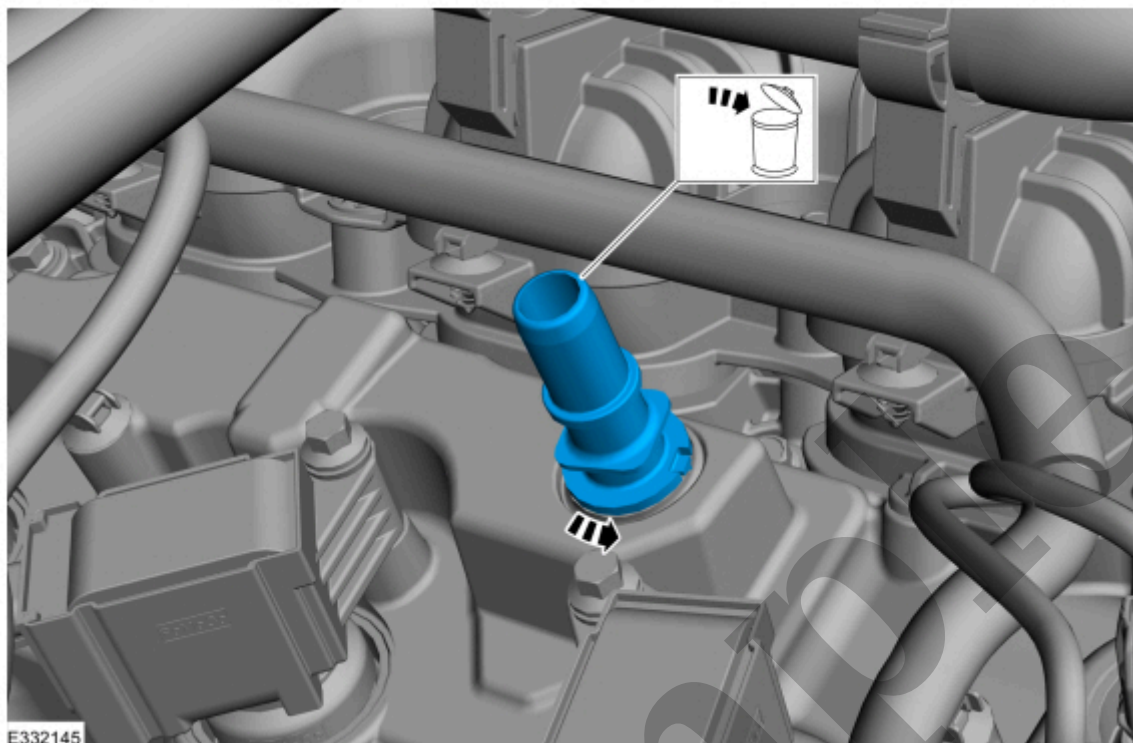
Removal steps in this procedure may contain installation details.

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.](#)

3. Rotate the PCV (positive crankcase ventilation) valve counterclockwise, then remove and discard the PCV (positive crankcase ventilation) valve.



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### **Installation**

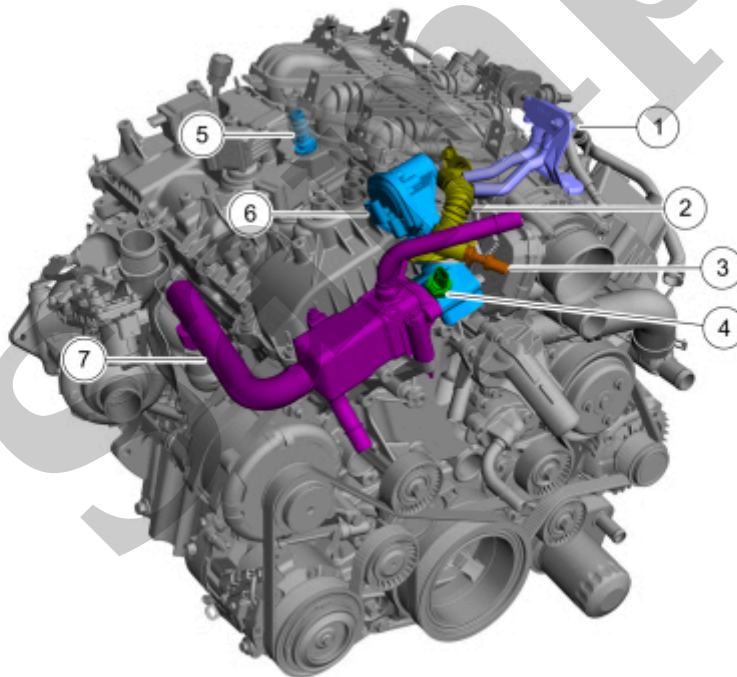
1. Lubricate the new PCV (positive crankcase ventilation) valve O-ring seal with clean engine oil.

## Engine Emission Control - Component Location

<b>303-08D Engine Emission Control - 3.5L V6 PowerBoost (CN)</b>	<b>2022 F-150</b>
<b>Description and Operation</b>	<b>Procedure revision date: 10/2/2020</b>

### Engine Emission Control - Component Location

#### EGR (exhaust gas recirculation) system



E332084

Item	Description
1	Differential pressure feedback EGR (exhaust gas recirculation) sensor.
2	EGR (exhaust gas recirculation) outlet tube.