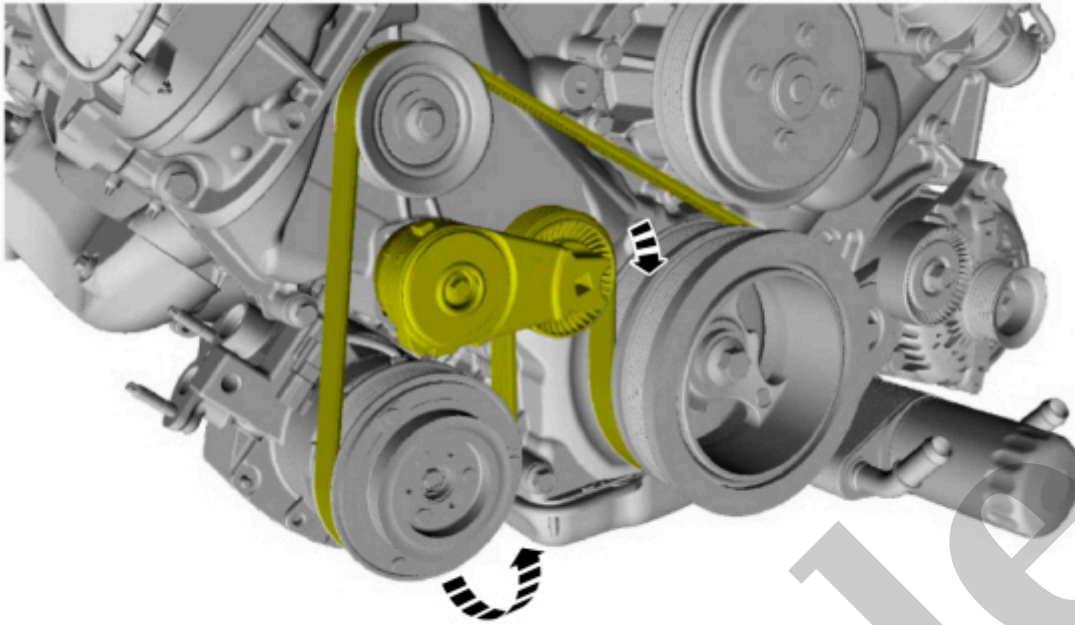


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FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2005 FORD SportKa OEM Service and Repair Workshop Manual

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E194570

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4. **NOTE**

Frame removed for clarity.

NOTE

Discard the O-ring seals and gaskets.

Remove the nuts and disconnect the A/C (air conditioning) compressor inlet and outlet lines.

- Make sure to cover any open ports to prevent debris from entering the system.

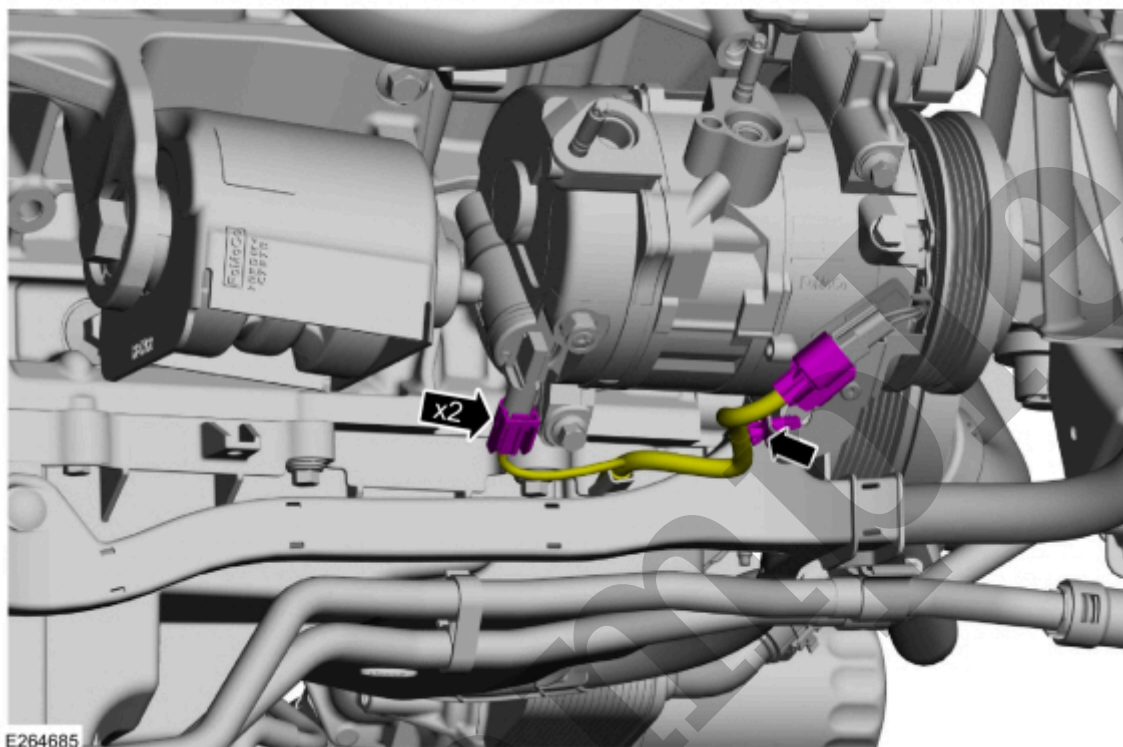
Torque : 133 lb.in (15 Nm)

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6. **NOTE**

Frame removed for clarity.

Disconnect the electrical connectors and detach the wiring harness retainer.

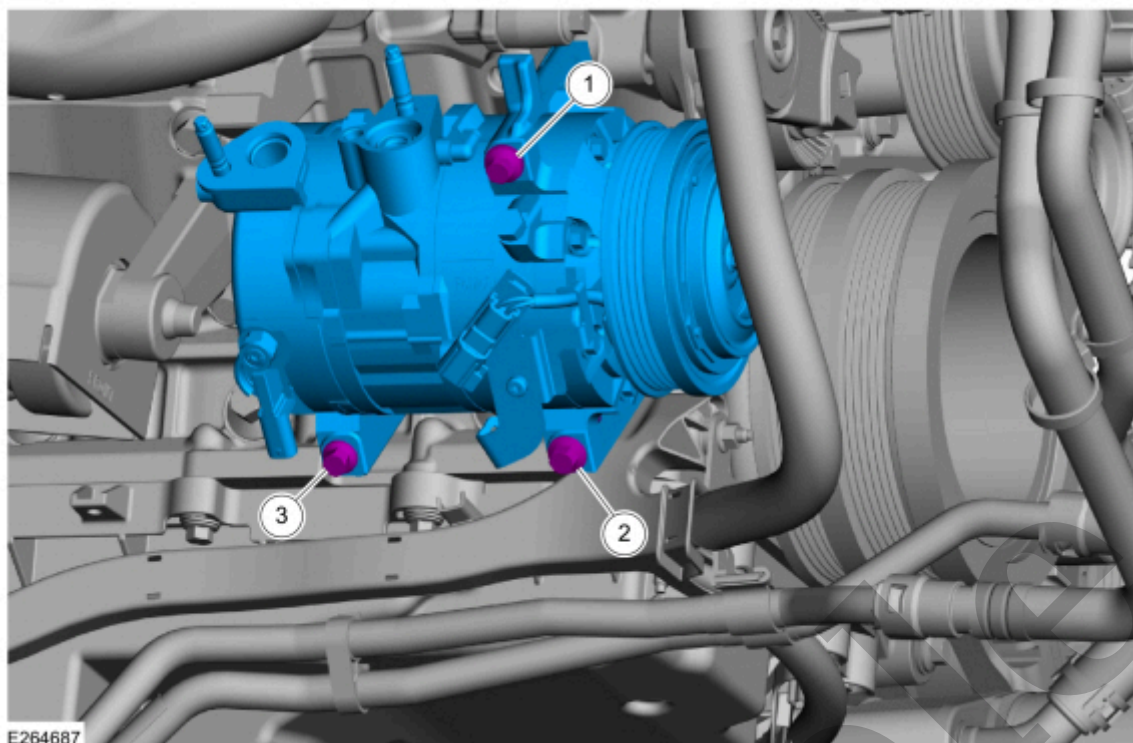


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7. **NOTE**

Frame removed for clarity.

Remove the bolts and the A/C (air conditioning) compressor.



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3. **NOTE**

After installation, make sure the A/C (air conditioning) compressor belt is correctly seated on all pulleys.



Air Conditioning (A/C) Compressor - Electric

412-00 Climate Control System - General Information	2022 F-150
Removal and Installation	Procedure revision date: 04/13/2022

Air Conditioning (A/C) Compressor - Electric

Removal

NOTICE

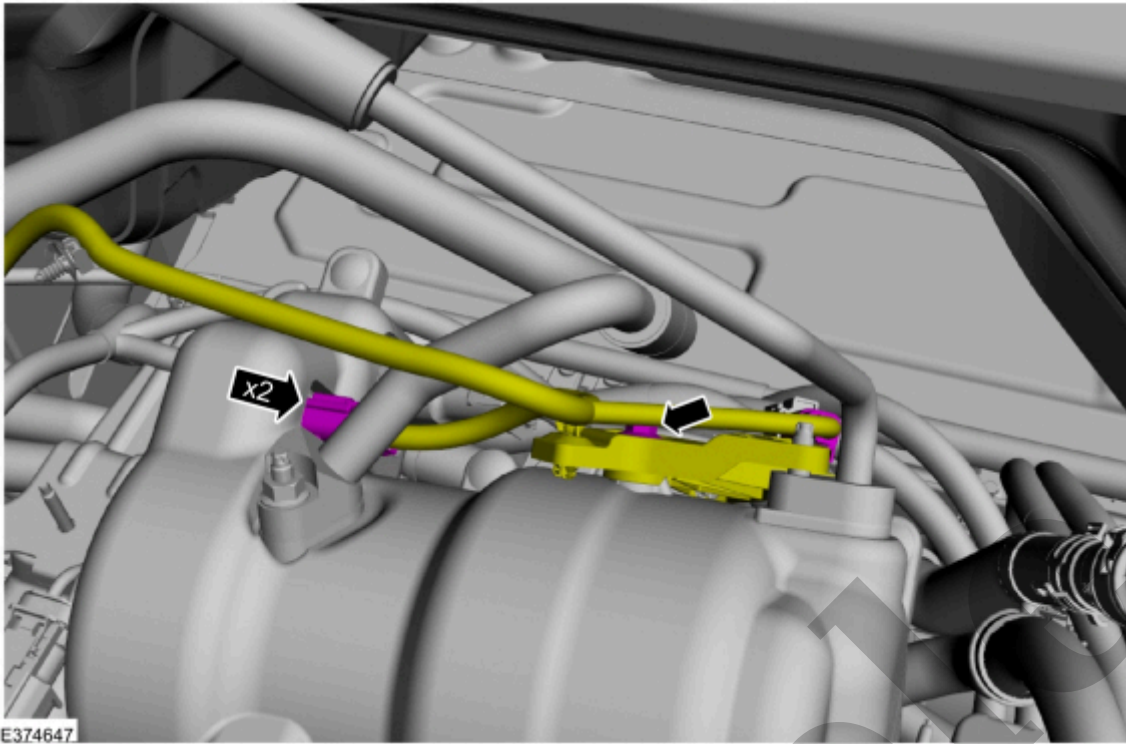
If installing a new A/C (air conditioning) compressor due to an internal failure of the old unit, carry out the following procedures to remove contamination from the A/C (air conditioning) system. Failure to remove contamination from the A/C (air conditioning) system, if present, will result in poor A/C (air conditioning) performance and/or damage to the new A/C (air conditioning) compressor and other components. If A/C (air conditioning) flushing equipment is available, carry out flushing of the A/C (air conditioning) system prior to installing a new A/C (air conditioning) compressor. If A/C (air conditioning) flushing equipment is not available, replace all contaminated components after a new A/C (air conditioning) compressor has been installed. Install a new Thermostatic Expansion Valve (TXV) as directed by the A/C (air conditioning) flushing. Install a new receiver drier as directed by the A/C (air conditioning) flushing.

NOTICE

During the removal of components, cap, tape or otherwise appropriately protect all openings to prevent the ingress of dirt or other contamination. Remove protective materials prior to installation.

NOTE

Removal steps in this procedure may contain installation details.



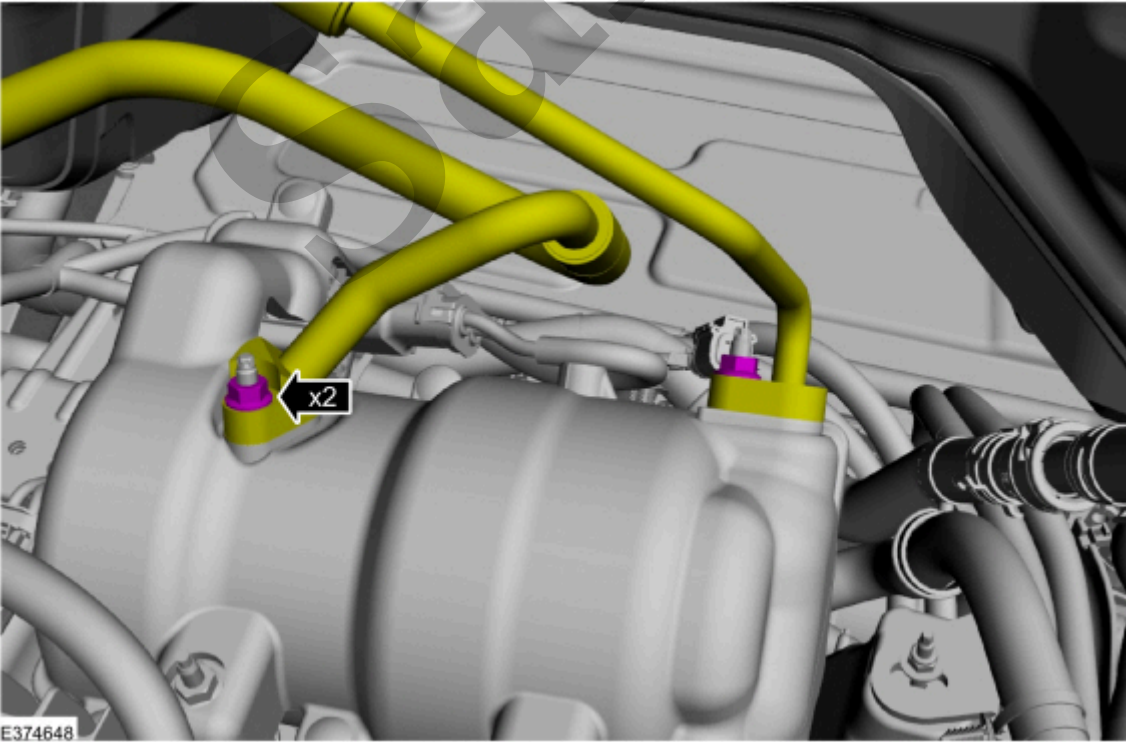
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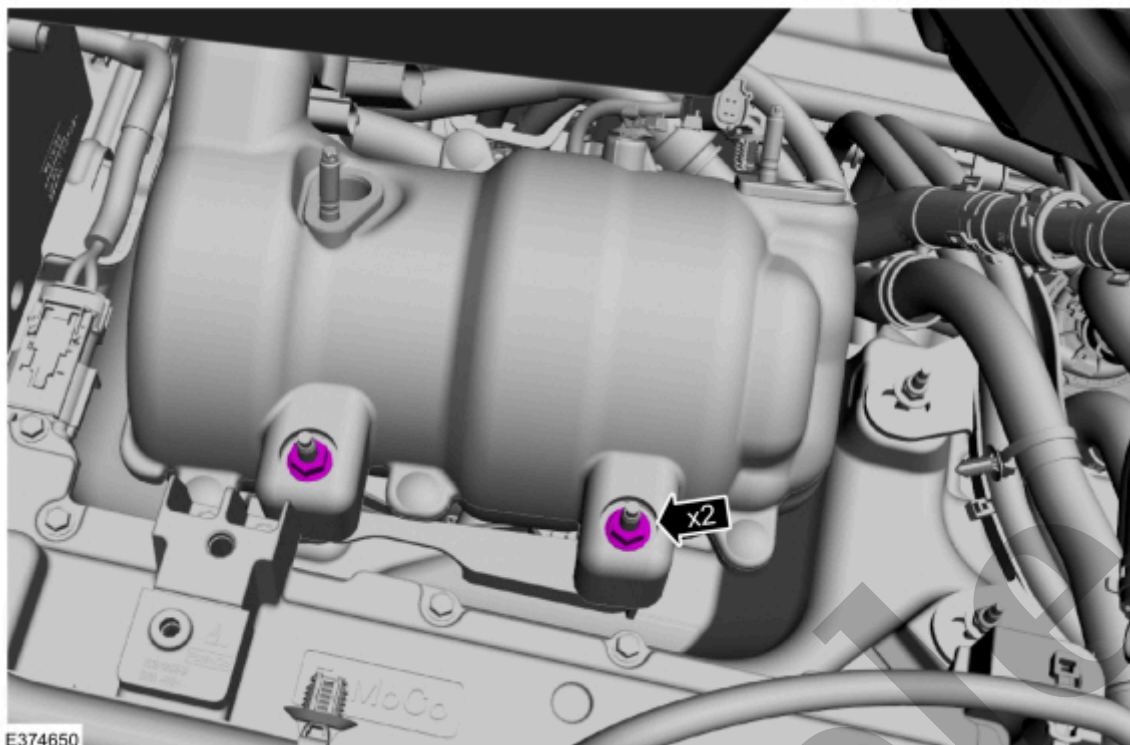
5. Remove the nuts and disconnect the A/C (air conditioning) compressor inlet and outlet lines.

- Make sure to cover any open ports to prevent debris from entering the system.

Torque : 155 lb.in (17.5 Nm)



E374648



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8. • Remove the ground wire bolt.

Torque : 93 lb.in (10.5 Nm)

- Remove the retainer and the A/C (air conditioning) compressor.

Torque : 22 lb.ft (30 Nm)

Air Conditioning (A/C) Compressor - Vehicles With: Raptor High Performance Level

412-00 Climate Control System - General Information	2022 F-150
Removal and Installation	Procedure revision date: 11/7/2022

Air Conditioning (A/C) Compressor - Vehicles With: Raptor High Performance Level

Removal

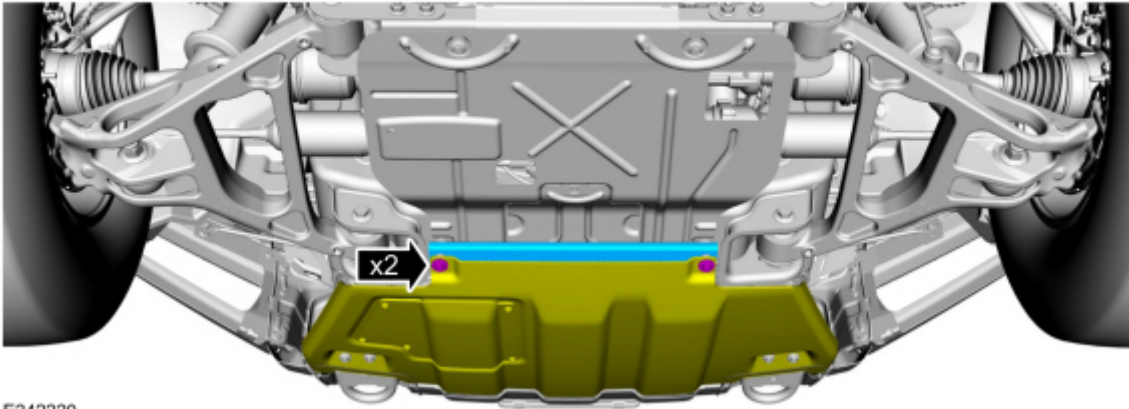
NOTICE

During the removal or installation of components, cap, tape or otherwise appropriately protect all openings and tubes/fittings to prevent the ingress of dirt or other contamination. Remove caps, tape and other protective materials prior to installation.

NOTICE

If installing a new A/C (air conditioning) compressor due to an internal failure of the old unit, carry out the following procedures to remove contamination from the A/C (air conditioning) system. Failure to remove contamination from the A/C (air conditioning) system, if present, will result in poor A/C (air conditioning) performance and/or damage to the new A/C (air conditioning) compressor and other components. If A/C (air conditioning) flushing equipment is available, carry out flushing of the A/C (air conditioning) system prior to installing a new A/C (air conditioning) compressor. If A/C (air conditioning) flushing equipment is not available, replace all contaminated components after a new A/C (air conditioning) compressor has been installed. Install a new Thermostatic Expansion Valve (TXV) as directed by the A/C (air conditioning) flushing. Install a new receiver drier element as directed by the A/C (air conditioning) flushing.

NOTE

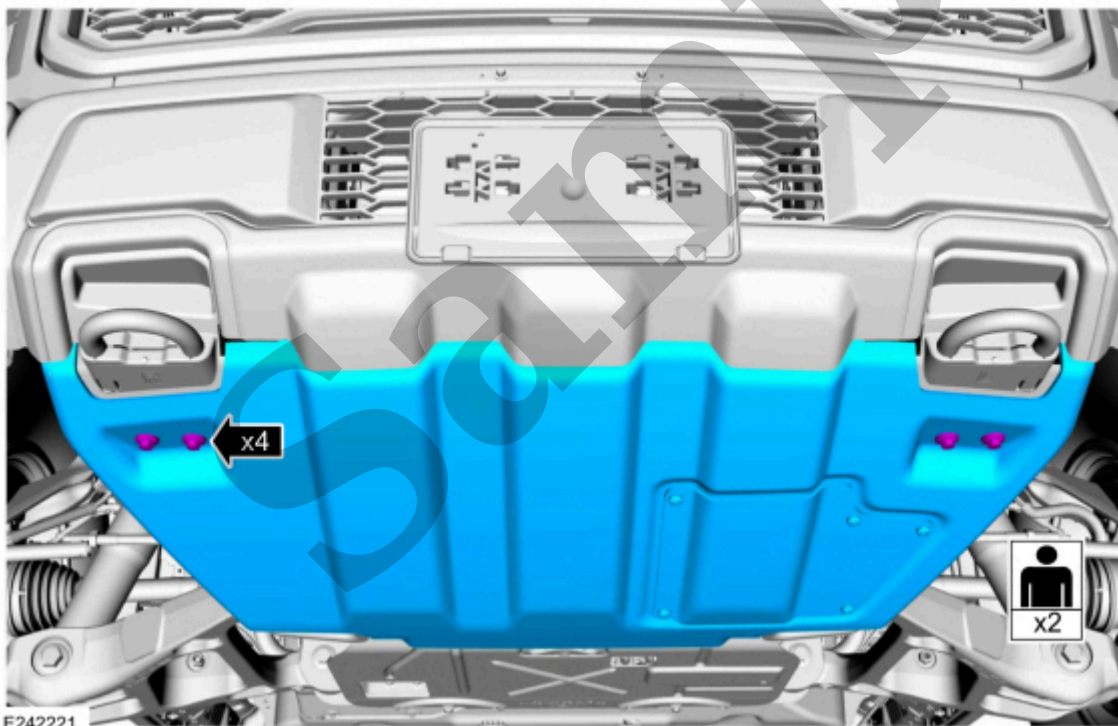


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5. Remove the bolts and the front underbody skid plate.

Torque : 35 lb.ft (48 Nm)

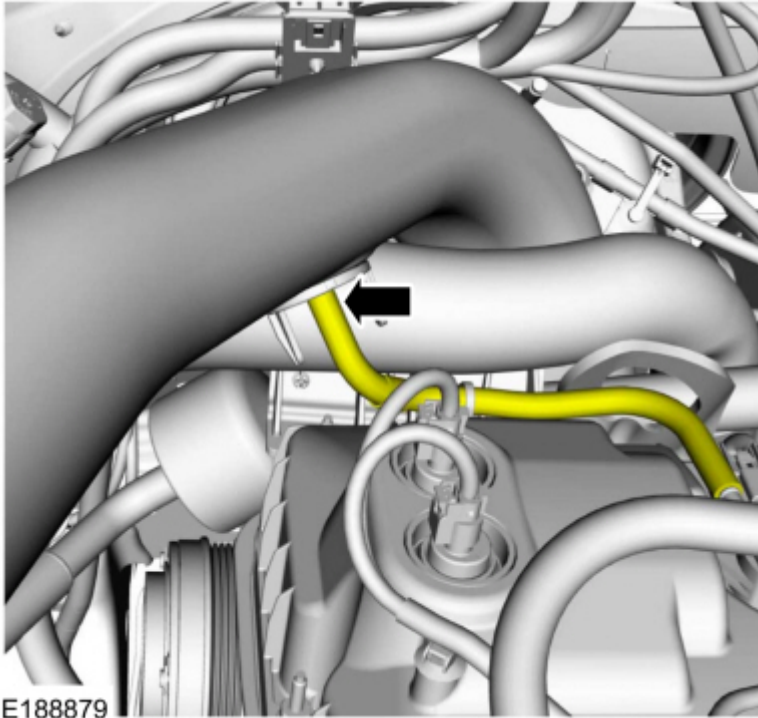


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6. Remove the A/C (air conditioning) compressor belt.

Refer to: [Air Conditioning \(A/C\) Compressor Belt](#)(303-05A Accessory Drive - 2.7L EcoBoost (238kW/324PS), Removal and Installation).



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

10. **NOTICE**

The turbocharger compressor vanes can be damaged by even the smallest particles. When removing any turbocharger or engine air intake system component, ensure that no debris enters the system. Failure to do so may result in damage to the turbocharger.

Loosen the clamp and remove the RH (right-hand) air cleaner outlet pipe.

Torque : 44 lb.in (5 Nm)