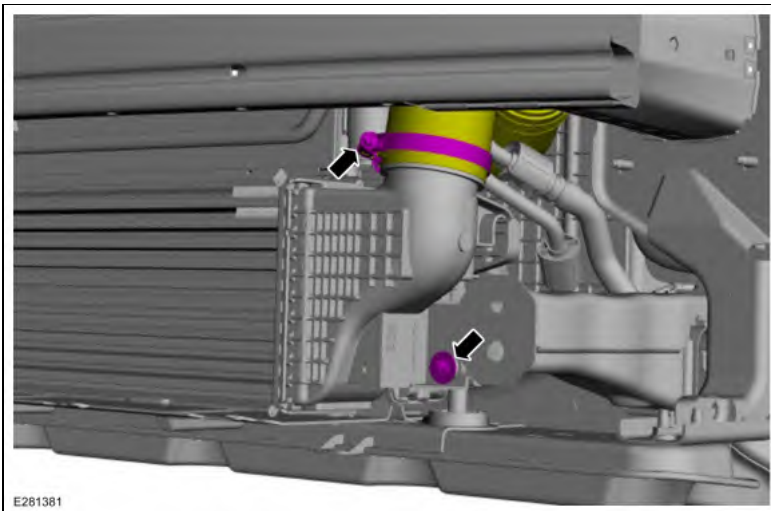
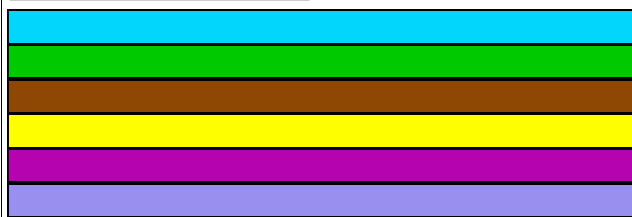


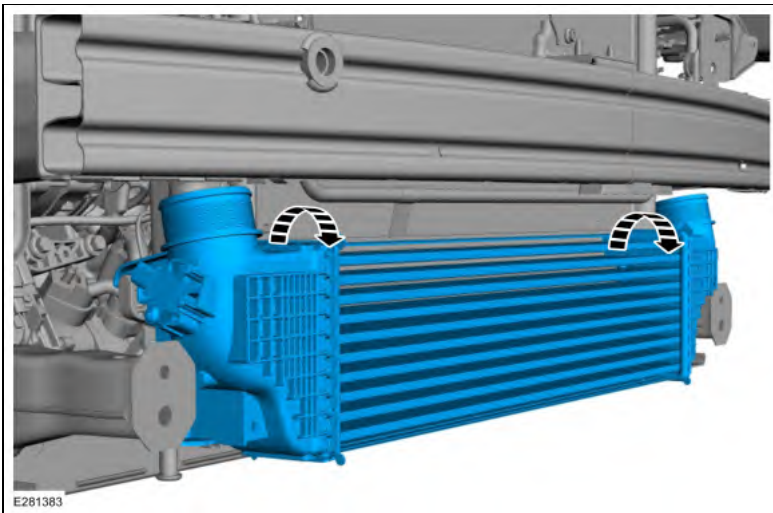


7. **NOTE:** The active grille shutter is removed for clarity.

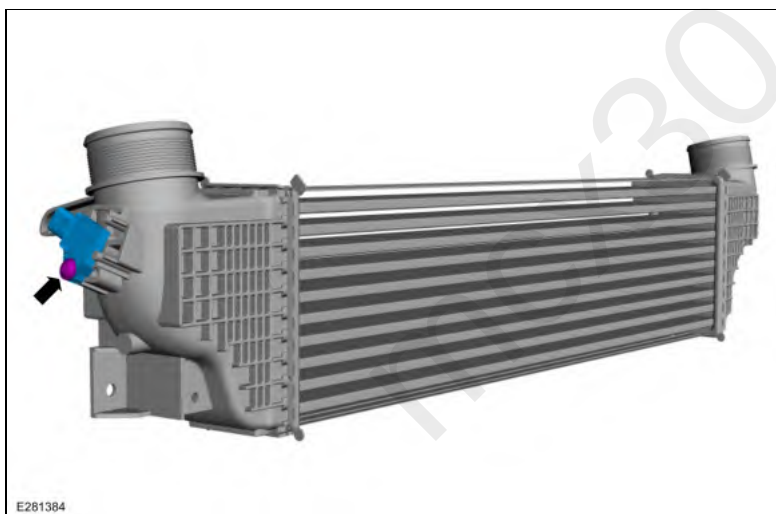
Remove the bolts and the lower radiator support from the CAC.
Torque: 18 lb.ft (24 Nm)



8. Remove the CAC.



9. If replacing the CAC, remove the fastener and the MAP sensor.
Torque: 35 lb.in (4 Nm)



Installation

1. Inspect the turbocharger or engine air intake system components and clean, if necessary.
2. To install, reverse the removal procedure.

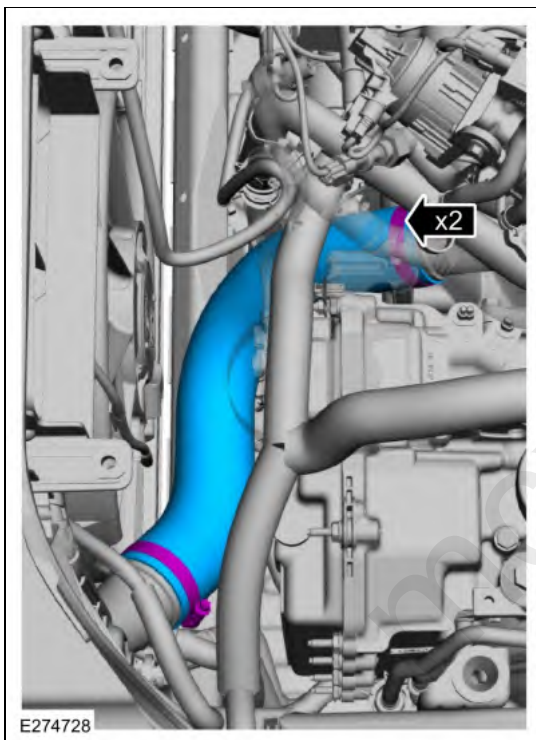
Charge Air Cooler (CAC) Intake Pipe

Removal

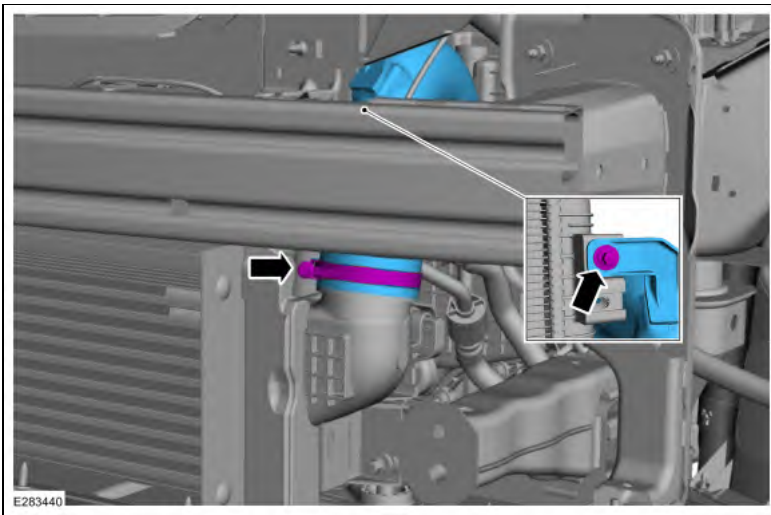
NOTICE: The turbocharger compressor vanes can be damaged by even the smallest particles. When removing any turbocharger or engine air intake system component, ensure that no debris enters the system. Failure to do so may result in damage to the turbocharger.

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

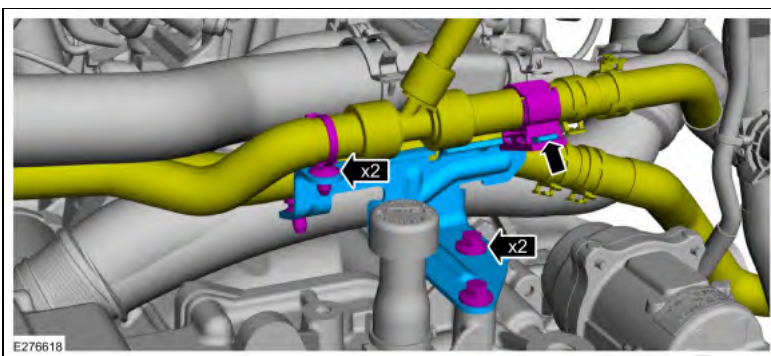
1. Remove the air cleaner.
Refer to: Air Cleaner (303-12A Intake Air Distribution and Filtering - 2.0L EcoBoost (184kW/250PS) â€“ MI4, Removal and Installation).
2. Remove the air cleaner outlet pipe.
Refer to: Air Cleaner Outlet Pipe (303-12A Intake Air Distribution and Filtering - 2.0L EcoBoost (184kW/250PS) â€“ MI4, Removal and Installation).
3. Remove the battery tray.
Refer to: Battery Tray (414-01 Battery, Mounting and Cables, Removal and Installation).
4. Remove the front bumper cover.
Refer to: Front Bumper Cover (501-19 Bumpers, Removal and Installation).
5. Loosen the clamp and remove the CAC tube.
Torque: 44 lb.in (5 Nm)



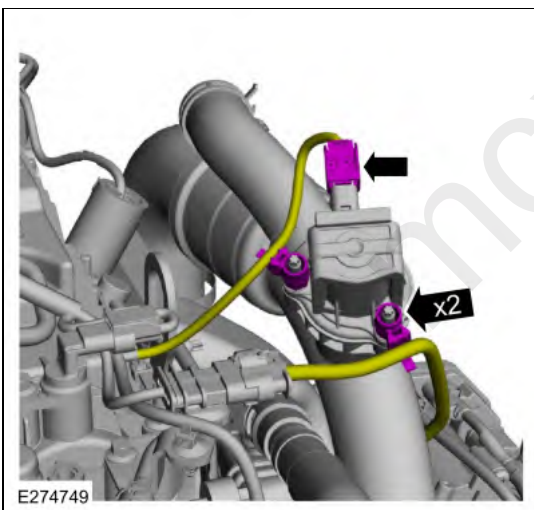
6.
 - Loosen the clamp.
Torque: 44 lb.in (5 Nm)
 - Remove the fastener.
Torque: 53 lb.in (6 Nm)



7. Remove the bolts, detach the retainers and remove the coolant hoses bracket.
Torque: 106 lb.in (12 Nm)



8. Disconnect the CAC tube bypass valve electrical connector and wire retainers.



9. Loosen the clamp and remove the CAC tube.

