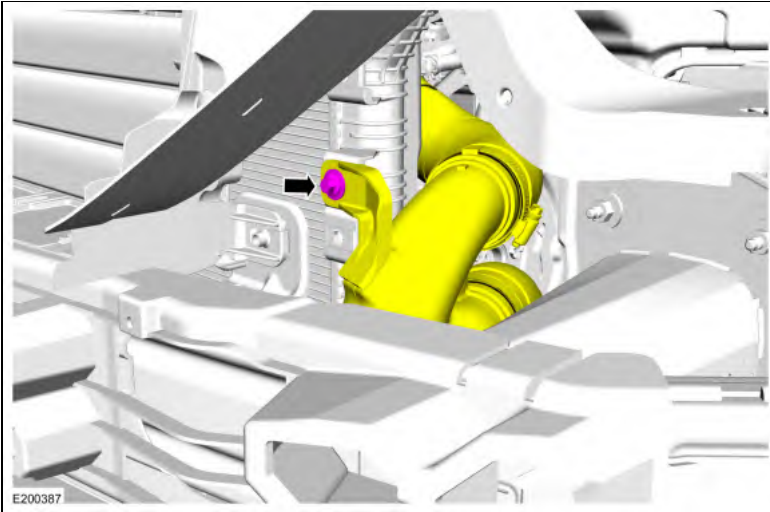


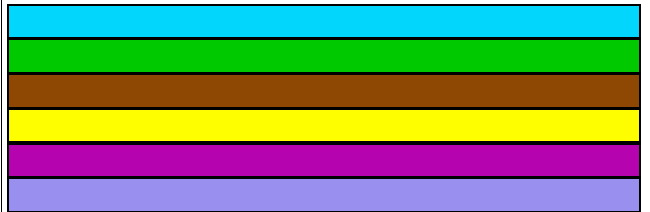
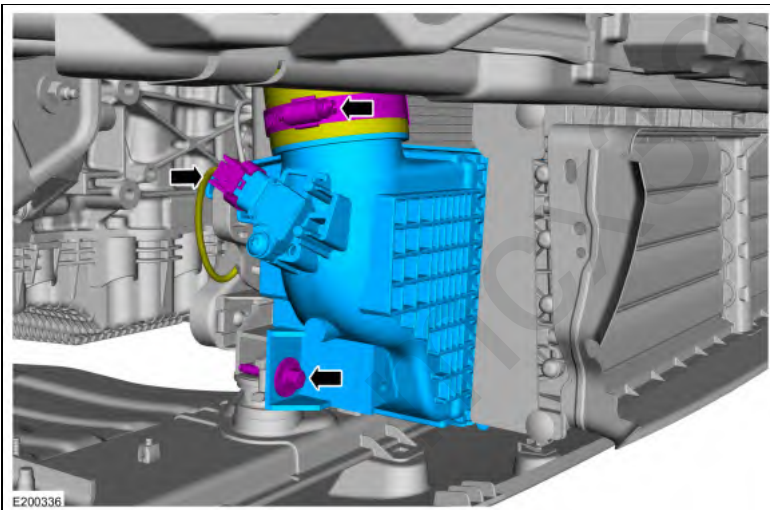


7. Loosen the clamp, disconnect the turbocharger boost pressure sensor electrical connector. Remove the nut and then remove the sensor.

*Torque:*

Bolt: 53 lb.in (6 Nm)

Clamp: 44 lb.in (5 Nm)

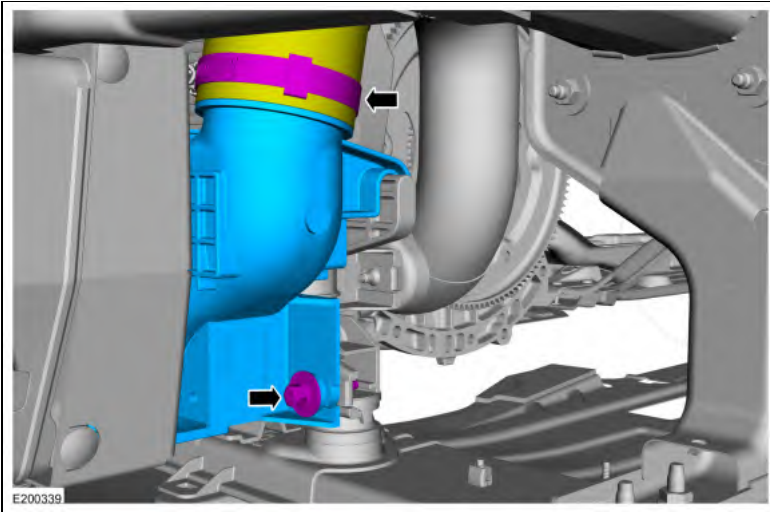


8. Loosen the clamp and disconnect the inlet tube. Remove the bolt.

*Torque:*

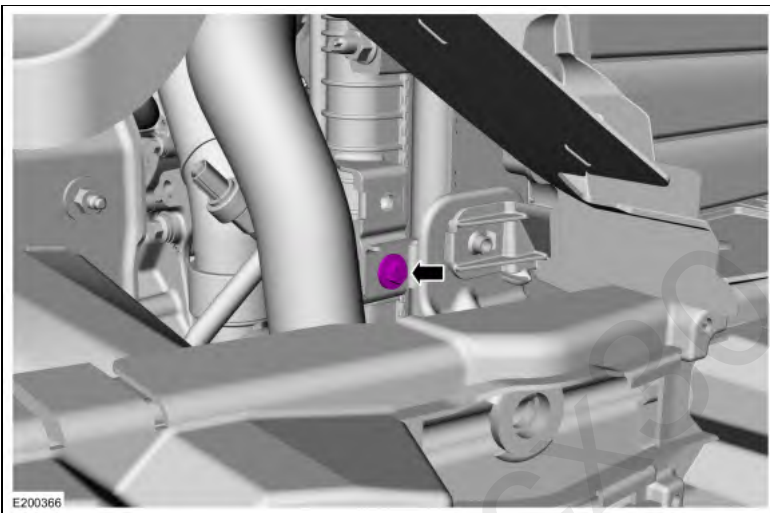
Bolt: 53 lb.in (6 Nm)

Clamp: 44 lb.in (5 Nm)



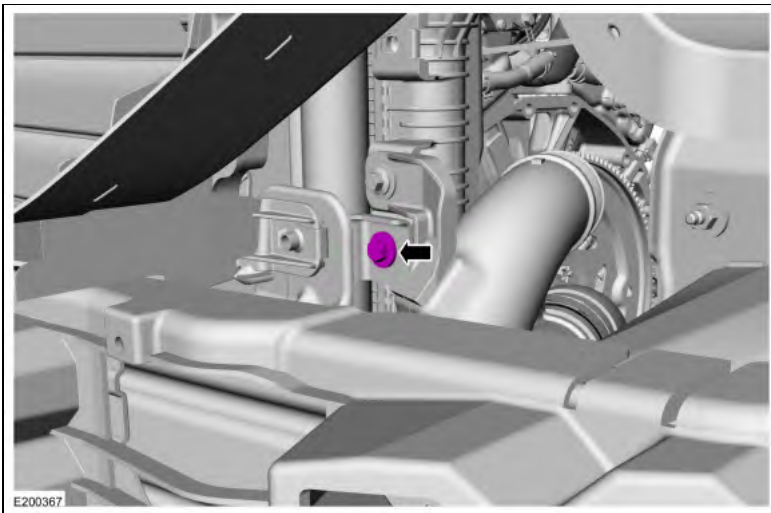
|  |
|--|
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |

9. Remove the bolt from the right side A/C condenser.  
*Torque: 53 lb.in (6 Nm)*



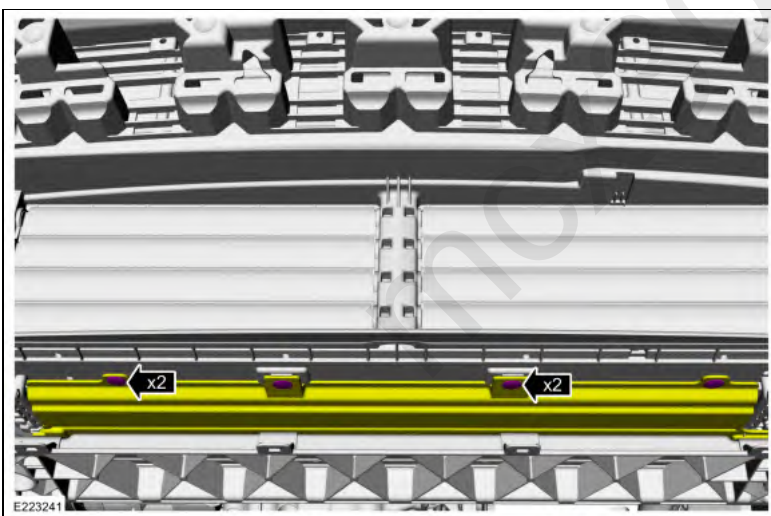
|  |
|--|
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |

10. Remove the bolt from the left side A/C condenser.  
*Torque: 53 lb.in (6 Nm)*

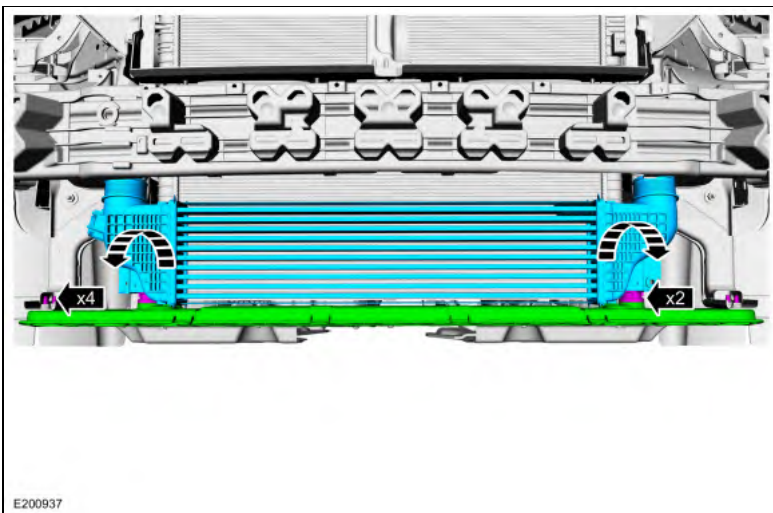


**NOTE:** The active grille shutter air deflector will be removed with the lower radiator support.

11. Remove the retainers from the active grille shutter.



12. Remove the active grille shutter.  
Refer to: Active Grille Shutter (501-02) .
13. Remove the bolts on the lower radiator support and remove the CAC.  
*Torque:* 18 lb.ft (24 Nm)



### Installation

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

mcx30.com

## Charge Air Cooler (CAC) Intake Pipe

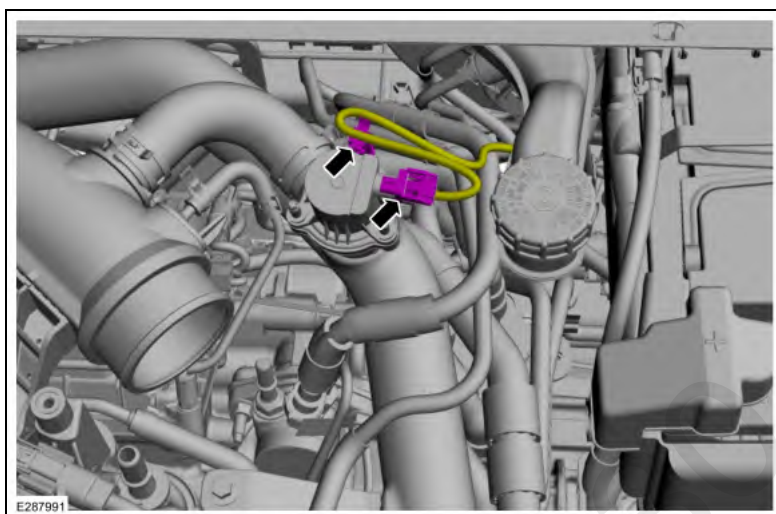
### Removal

**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.

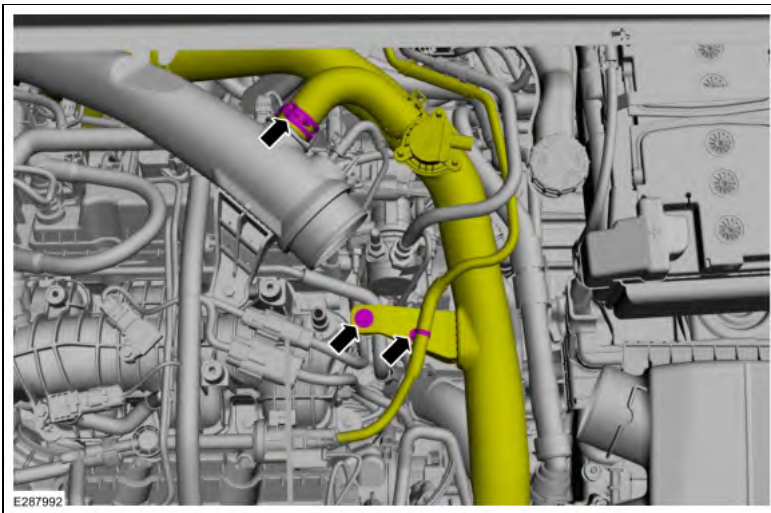
**NOTE:** Removal steps in the procedure may contain installation details.

### Charge Air Cooler (CAC) Intake Pipe - RH

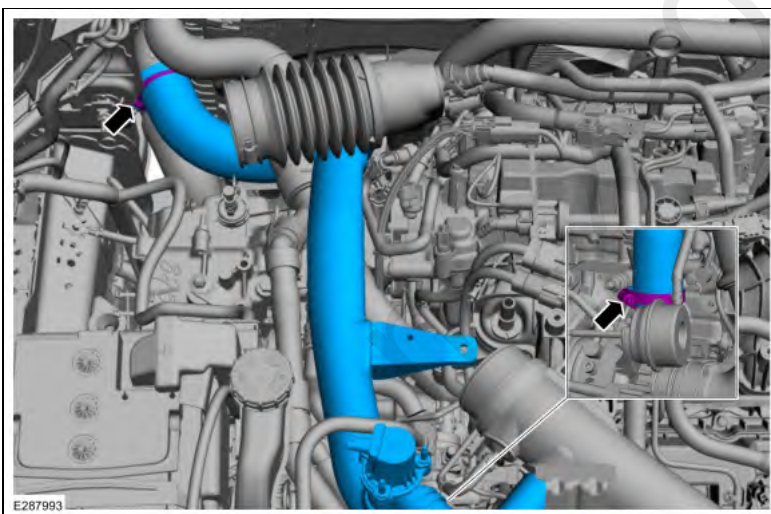
1. Remove the air cleaner.  
Refer to: Air Cleaner (303-12B Intake Air Distribution and Filtering - 2.7L EcoBoost (238kW/324PS), Removal and Installation).
2. Remove the air cleaner outlet pipe RH side.  
Refer to: Air Cleaner Outlet Pipe RH (303-12B Intake Air Distribution and Filtering - 2.7L EcoBoost (238kW/324PS), Removal and Installation).
3. Disconnect the turbocharger bypass valve electrical connector and detach the wire harness retainer from the mounting stud.



4.
  - Detach the retainer.
  - Loosen the clamp.
  - Remove the bolt and position aside the RH intake pipe.  
*Torque: 71 lb.in (8 Nm)*



5. Loosen the clamps and remove the RH intake pipe.  
*Torque: 44 lb.in (5 Nm)*



#### Charge Air Cooler (CAC) Intake Pipe - LH

6. Remove the CAC.  
Refer to: Charge Air Cooler (CAC) (303-12B Intake Air Distribution and Filtering - 2.7L EcoBoost (238kW/324PS), Removal and Installation).
7. Loosen the clamp and disconnect the LH intake pipe from the turbocharger.  
*Torque: 44 lb.in (5 Nm)*