

303-04A Fuel Charging and Controls - 2.3L EcoBoost (201kW/273PS)  
Removal and Installation

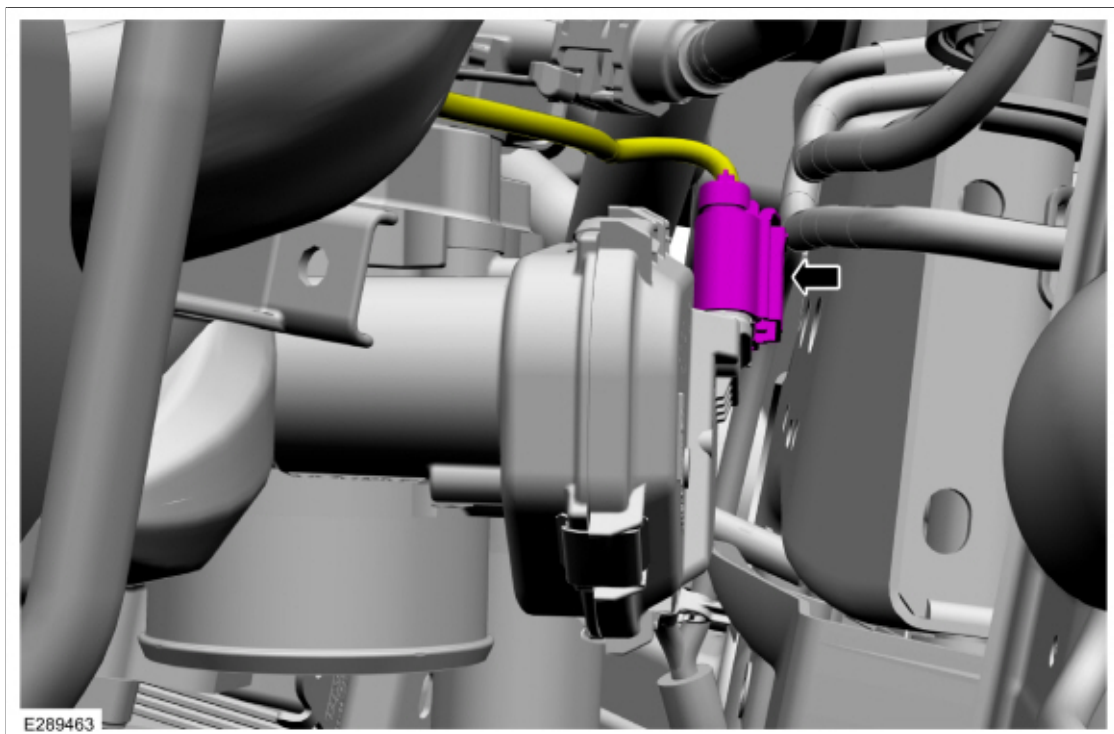
2019 Ranger  
Procedure revision date: 12/5/2018

### Throttle Body

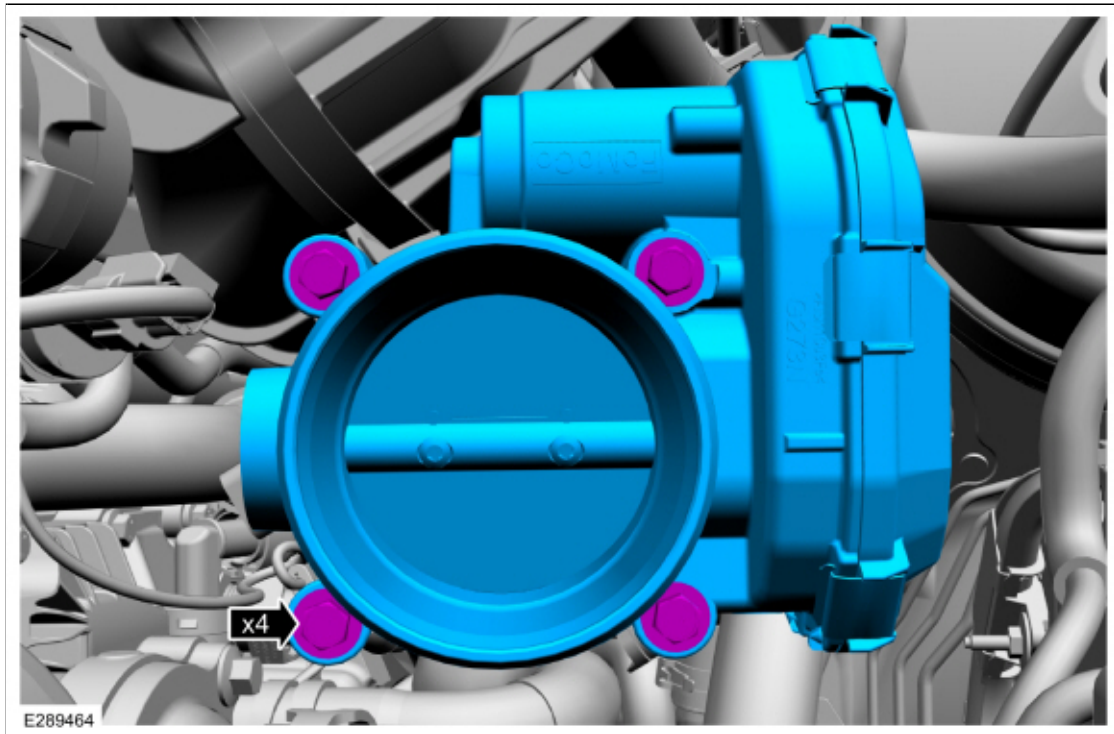
Base Part Number: 9F991

#### Removal

1. Remove the charge air cooler outlet pipe.  
Refer to: [Charge Air Cooler \(CAC\) Outlet Pipe](#) (303-12 Intake Air Distribution and Filtering - 2.3L EcoBoost (201kW/273PS), Removal and Installation).
2. Disconnect the throttle body electrical connector.

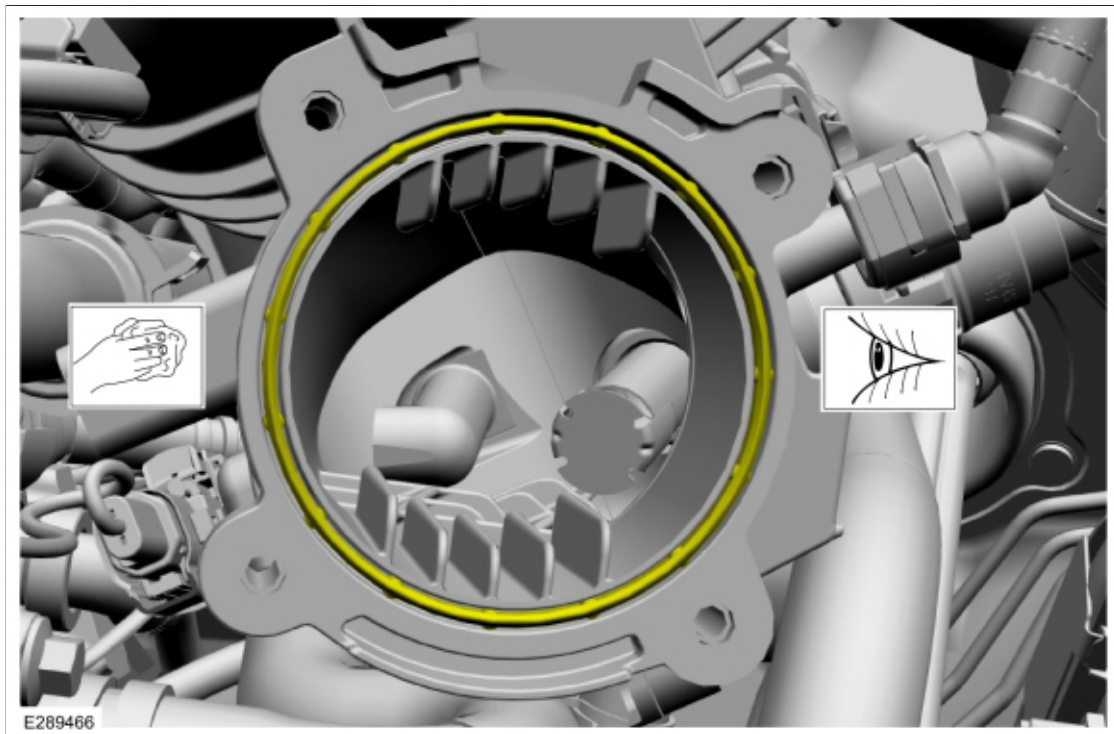


3. Remove the throttle body bolts, then remove the throttle body.



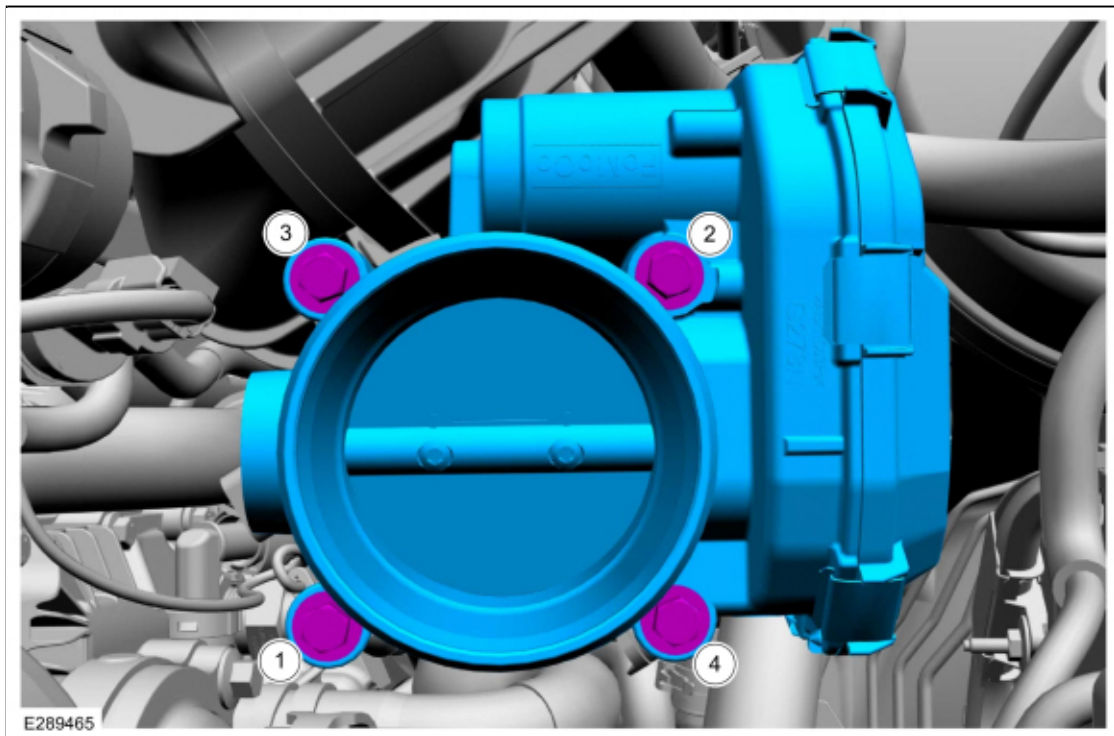
## Installation

1. Inspect the throttle body gasket, clean or replace as needed. Clean the mating surfaces.

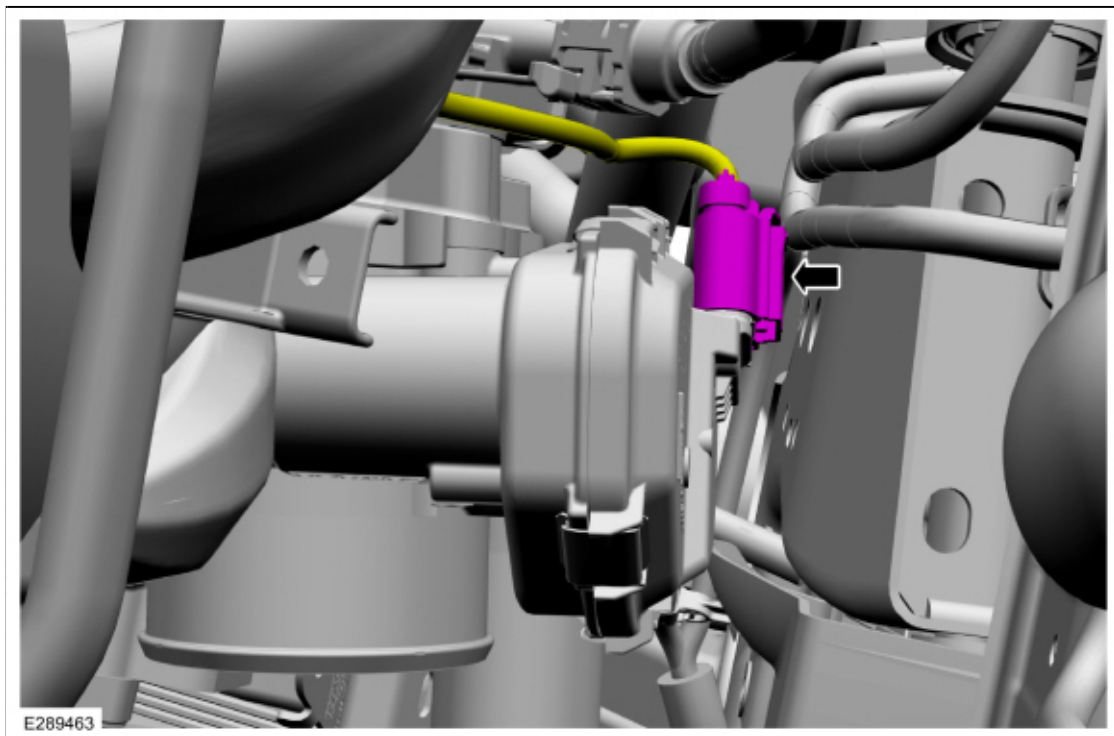


2. Install the throttle body, then install and tighten the bolts in the following 2 stages, in the sequence shown.  
*Torque:*

Tighten to: : 44 lb.in (5 Nm)  
Re-tighten to: : 89 lb.in (10 Nm)



3. Connect the throttle body electrical connector.



4. Install the charge air cooler outlet pipe.

Refer to: [Charge Air Cooler \(CAC\) Outlet Pipe](#) (303-12 Intake Air Distribution and Filtering - 2.3L EcoBoost (201kW/273PS), Removal and Installation).

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