

Lower Intake Manifold

Removal

1. Remove the following items:

1. Remove the upper intake manifold.

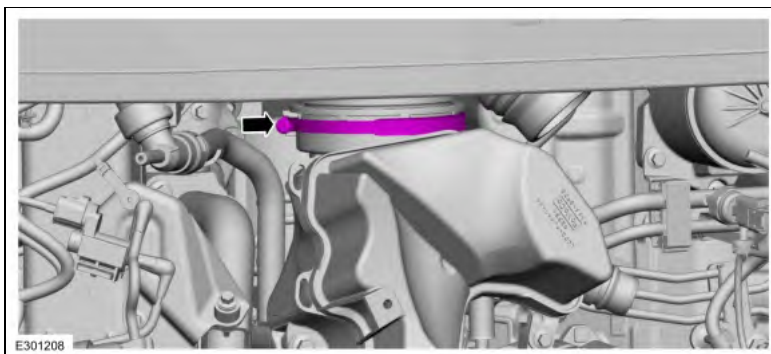
Refer to: Upper Intake Manifold (303-01B Engine - 6.7L Power Stroke Diesel, Removal and Installation).

2. **NOTE:** The crankcase vent oil separator must be replaced whenever the crankcase vent oil separator outlet hose is disconnected from the lower intake manifold.

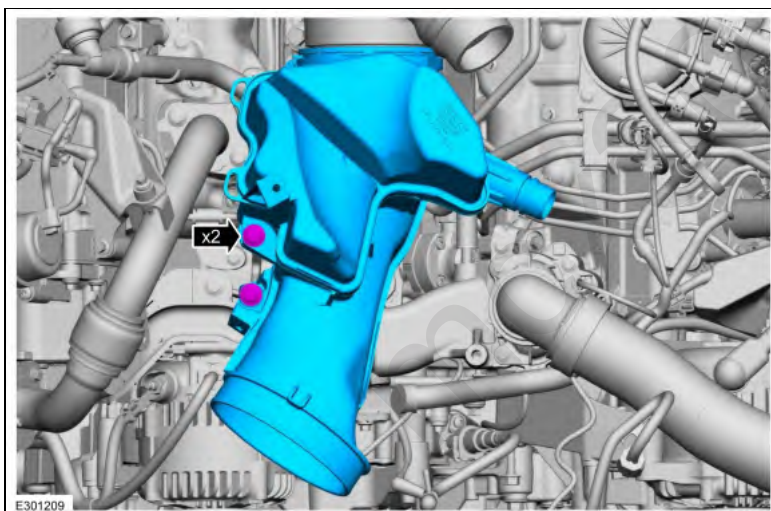
Remove the crankcase vent oil separator.

Refer to: Crankcase Vent Oil Separator (303-08B Engine Emission Control - 6.7L Power Stroke Diesel, Removal and Installation).

2. Loosen the lower intake manifold clamp.



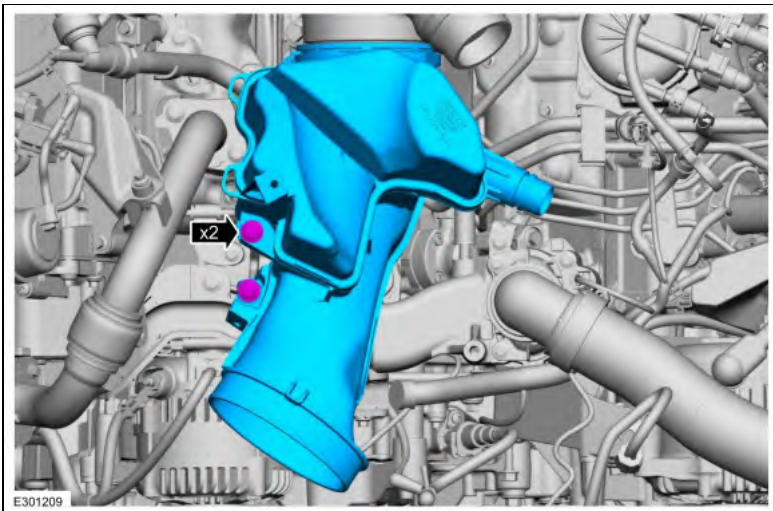
3. Remove the bolts and the lower intake manifold.



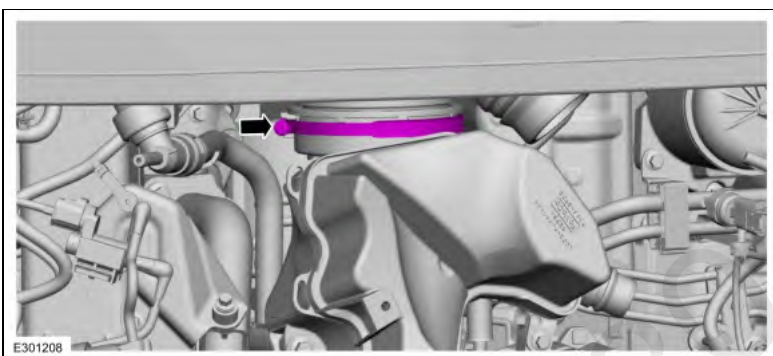
Installation

1. Install the lower intake manifold and the bolts.

Torque: 18 lb.ft (24 Nm)



2. Tighten the lower intake manifold clamp.
Torque: 31 lb.in (3.5 Nm)



3. Install the following items:

1. **NOTE:** The crankcase vent oil separator must be replaced whenever the crankcase vent oil separator outlet hose is disconnected from the lower intake manifold.

Install the crankcase vent oil separator.

Refer to: Crankcase Vent Oil Separator (303-08B Engine Emission Control - 6.7L Power Stroke Diesel, Removal and Installation).

2. Install the upper intake manifold.

Refer to: Upper Intake Manifold (303-01B Engine - 6.7L Power Stroke Diesel, Removal and Installation).