

REMOVAL AND INSTALLATION > BRAKE BOOSTER - 3.7L DURATEC (227KW 301PS) > INSTALLATION

 **NOTE:** Do not press, pull or otherwise move the brake pedal while installing the stoplamp switch. The switch must be installed with the booster push rod attached to the brake pedal and with the brake pedal in the at-rest position. Installing the switch with the brake pedal in any other position will result in incorrect adjustment and may damage the switch.

1.
To install, reverse the removal procedure.

2.

Bleed the brake system. Refer to: Brake System Pressure Bleeding .

REMOVAL AND INSTALLATION > BRAKE BOOSTER - 5.0L 32V TI-VCT > REMOVAL

 **NOTE:** If the fluid is spilled on the paintwork, the affected area must be immediately washed down with cold water.

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

All vehicles

1.

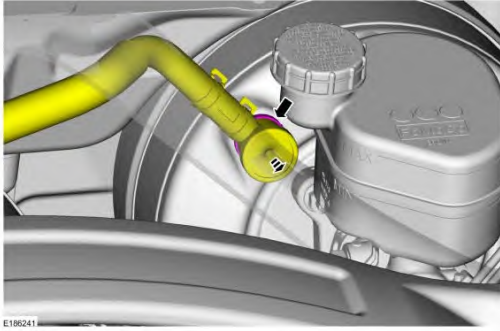
Remove the cowl panel grill. Refer to: Cowl Panel Grille .

2.

Disconnect the battery cables. Refer to: Battery Disconnect and Connect .

3.

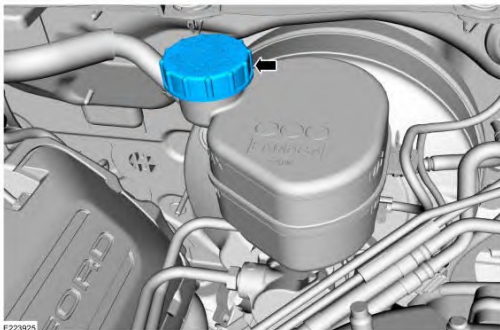
Detach the vacuum check valve from the booster and position aside.



Vehicles equipped with manual transmission

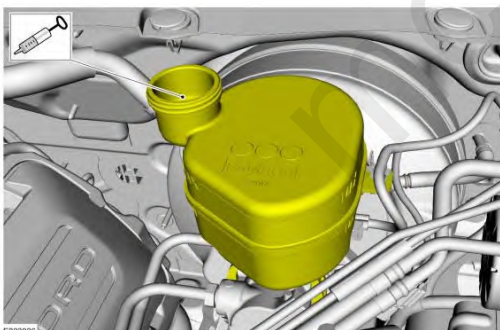
4.

Remove the brake fluid reservoir cap.



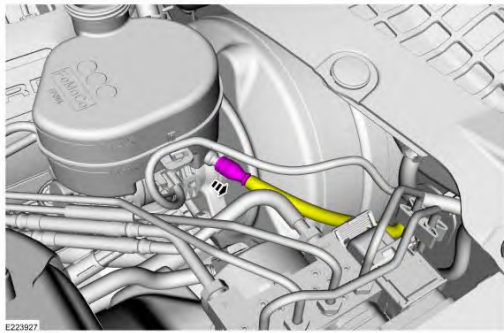
5.

Using a suitable suction device, syphon the brake fluid from the brake fluid reservoir.



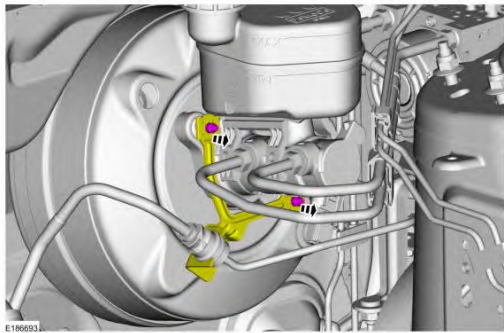
6.

Disconnect the clutch master cylinder tube.



7.

Detach the clutch master cylinder tube bracket from the master cylinder studs.



All vehicles

8.

1.

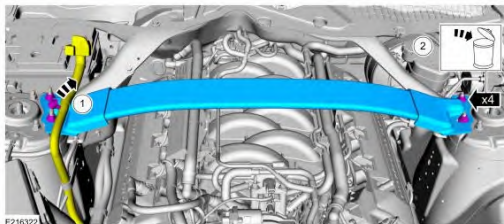
Detach the battery cable retainer.

2.

Remove the nuts and the cross brace. Discard the nuts.

Torque

: 41 lb.ft (55 Nm)

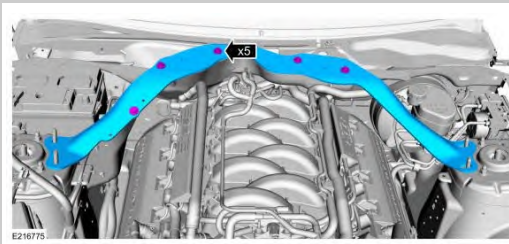


9.

Remove the bolts and the cowl extension.

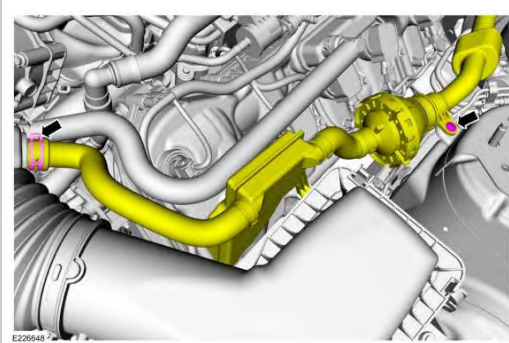
Torque

: 26 lb.ft (35 Nm)



10.

Release the clamp, remove the pin type retainer and position the noise generator aside.



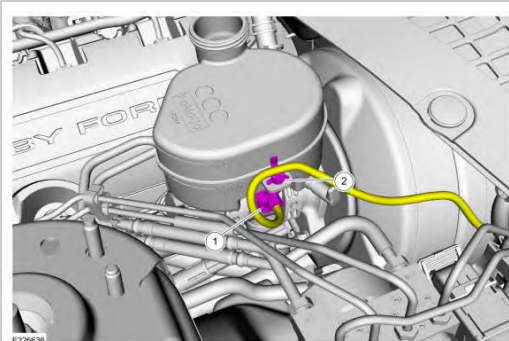
11.

1.

Disconnect the brake fluid level sensor electrical connector.

2.

Detach the wiring harness retainer from the brake fluid reservoir.

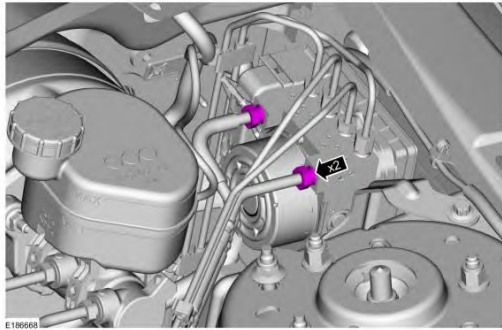


12.

Disconnect the 2 brake tubes at the HCU.

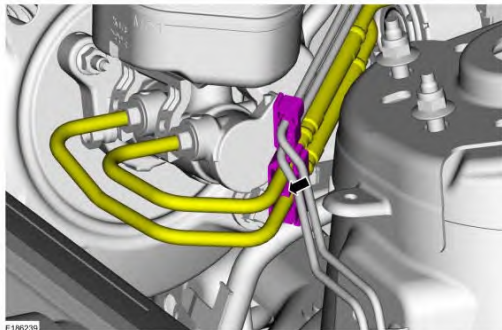
Torque

: 20 lb.ft (27.5 Nm)



13.

Unclip the brake tubes.

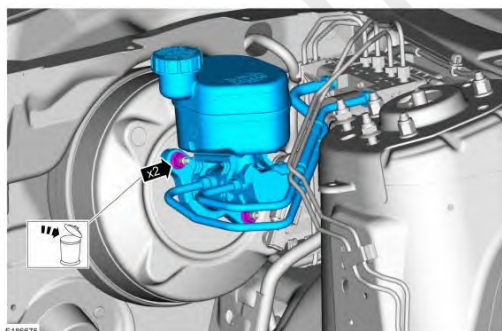


14.

Remove and discard the 2 master cylinder nuts. Remove the master cylinder and brake tubes.

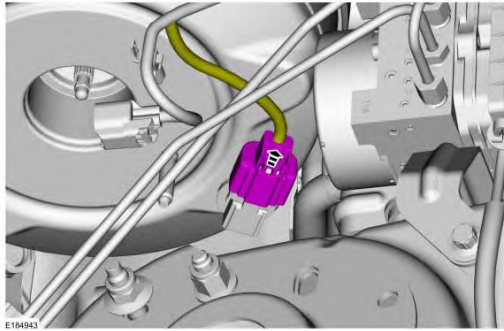
Torque

: 17 lb.ft (23 Nm)



15.

Disconnect the vacuum sensor electrical connector.

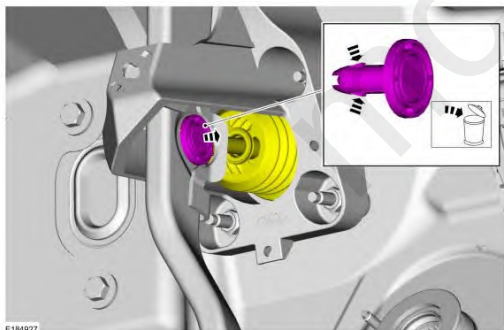


 **NOTE:** Do not service the brake pedal or brake booster without first removing the stoplamp switch. This switch must be removed with the brake pedal in the at-rest position. The switch plunger must be compressed for the switch to rotate in the bracket. Attempting to remove the switch when the plunger is extended (during pedal apply) will result in damage to the switch.

16.
Remove the stop lamp switch. Refer to: Stoplamp Switch .

 **NOTE:** The booster push rod clevis-locking pin is a one-time use only part. Any time the booster push rod clevis-locking pin is removed, a new booster push rod clevis-locking pin should be used.

17.
Remove and discard the booster push rod clevis-locking pin and position aside the booster push rod.



18.

Remove and discard the 4 nuts.

Torque

: 17 lb.ft (22.5 Nm)