



EGR Delete Kit

For 2010-2024 6.7L Cummins

Installation Manual



www.enginego.com



cs@enginego.com

STEP 1

Disconnect the batteries before beginning installation.

STEP 2

Drain engine coolant.

STEP 3

Remove the plastic engine cover that is held in place by four 8mm bolts. The dipstick must be removed in order to remove the plastic engine cover.



STEP 4

Using an 11mm socket loosen the two V-band clamps. Remove the 10mm bolt in the center of the tube and disconnect the sensor plug. The EGR crossover tube can now be removed.



STEP 5

Remove the electrical connector on the EGR valve.

Note: Some electrical connectors may have a locking tab. In order to remove these connectors the tab must be slid into the “unlock” position.



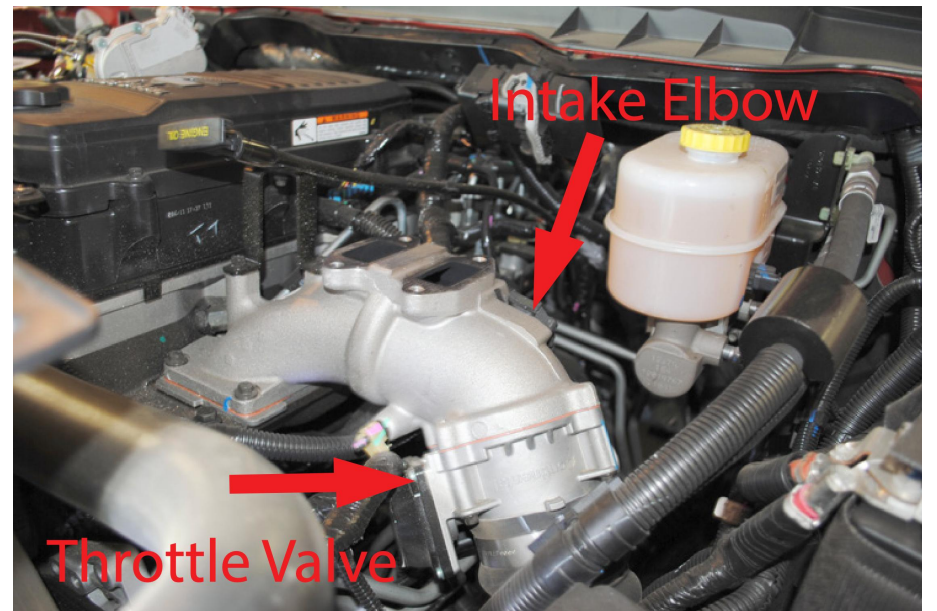
STEP 6

Remove the EGR valve that is held in place by four 10mm bolts.

STEP 7

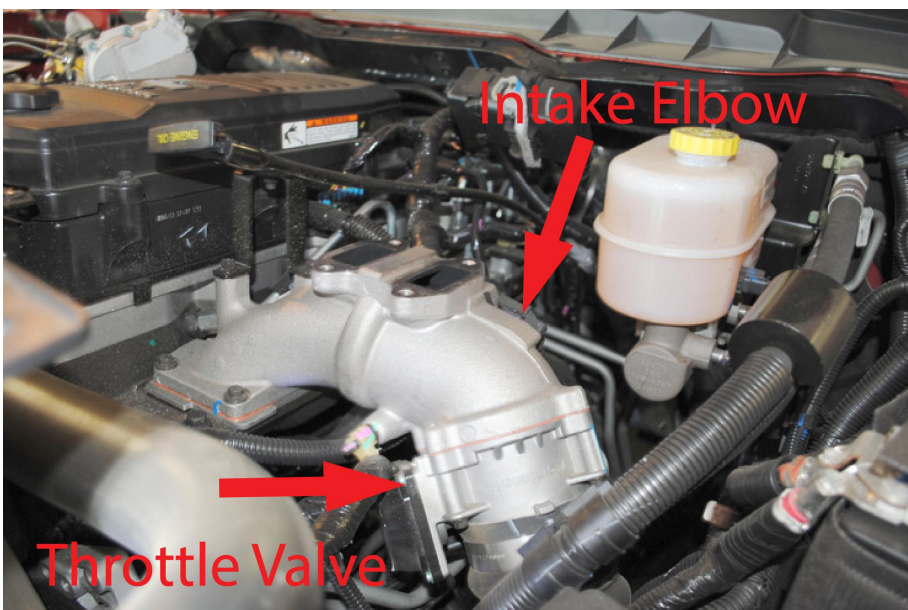
Remove any existing gasket material from the mounting surface on the intake elbow.

Note: It is important to keep gasket debris from getting in the open intake ports. We recommend putting a clean rag in each port to keep any excess gasket material out of the intake.



STEP 8

Unplug the electrical connector (equipped with locking tab) on the back side of the throttle valve. The throttle valve is located on the driver side, just under the intake elbow. It is important to leave this unplugged in order to keep the throttle valve from permanently closing.



STEP 9

Install the intake block-off with the supplied bolts. Ensure that both O-rings are fully seated.



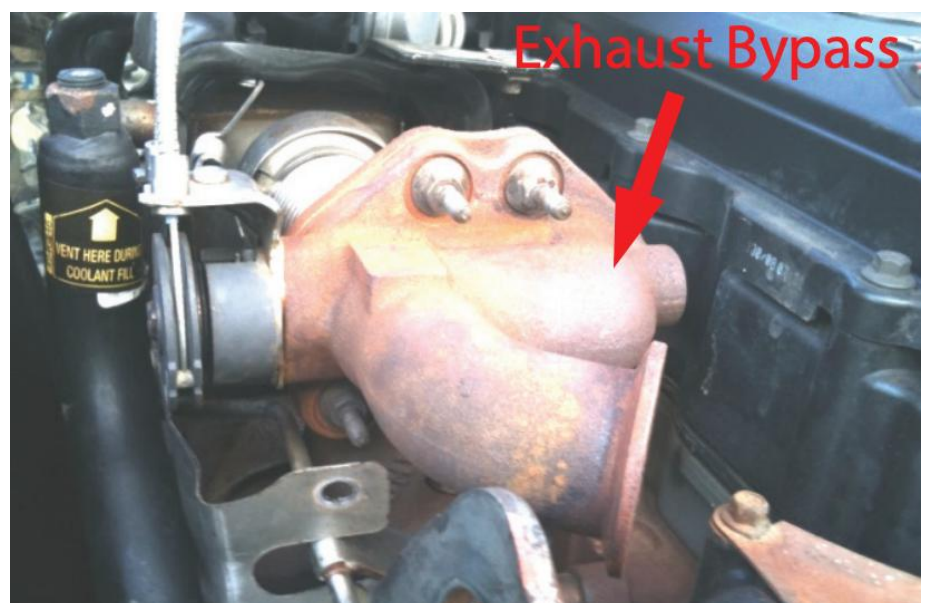
STEP 10

Remove the heat shield from the EGR bypass. The heat shield is held in place by three 10mm nuts and two 8mm bolts.



STEP 11

With the heat shield out of the way remove the four 10mm bolts that secure the exhaust bypass in place. The exhaust bypass will get removed with the EGR servo.



STEP 12

Remove the five 10mm bolts securing the EGR servo mounting bracket in place.



STEP 13

Simultaneously remove the EGR servo (still attached to the mounting bracket) and the exhaust bypass (bolts removed in step 11) from the vehicle.

STEP 14

Remove the crankcase breather tube that runs over the EGR cooler. Also, disconnect the two coolant lines running to the EGR cooler. Be sure to remove the O-ring from the fitting on the engine block.



STEP 15

Remove the four 10mm EGR cooler mounting bolts. (One of which is circled in the above image)

STEP 16

Remove the two 15mm nuts connecting the EGR cooler to the exhaust manifold near the fire wall.

STEP 17

Remove the V-band clamp that is connecting the EGR cooler and the exhaust crossover elbow.

Note: Image shown with the V-band clamp removed.



STEP 18

Remove exhaust crossover elbow that is held in place by two 15mm nuts. Install the small exhaust block-off plate.

Note: The block-off that is not pre-drilled will be installed in place of the exhaust crossover elbow.



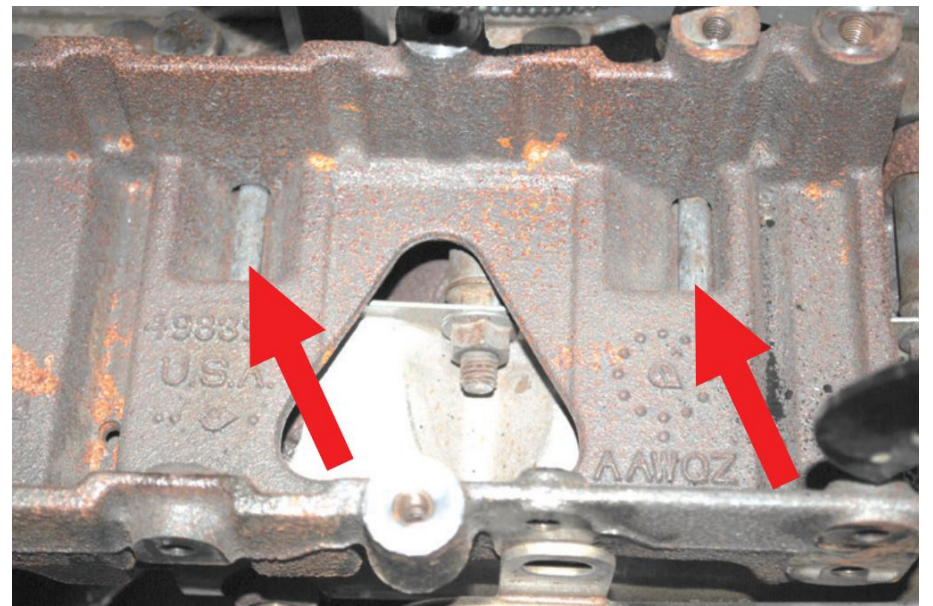
STEP 19

Remove the EGR cooler, this can be done by pulling the cooler up and out towards the front of the vehicle.

STEP 20

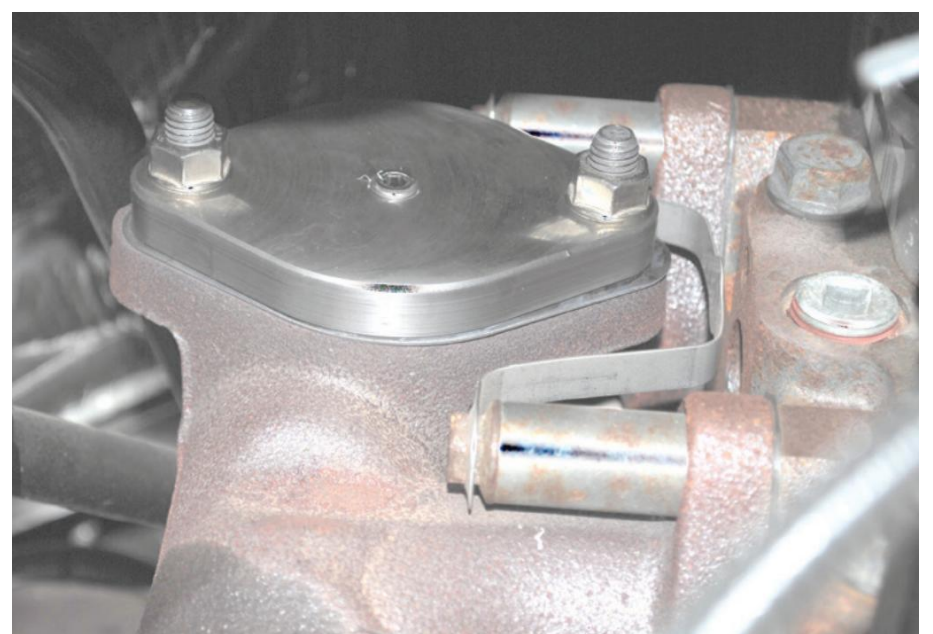
Remove EGR cooler mounting bracket by unbolting the two 14mm bolts that bolt directly to the engine.

Note: The bolt heads are not visible in the image, however the arrows give a general idea of where the bolts are through the mounting bracket.



STEP 21

Install the other exhaust block-off plate, reusing the factory hardware. The block-off with the pre-drilled port will be installed on the back side of the exhaust manifold.

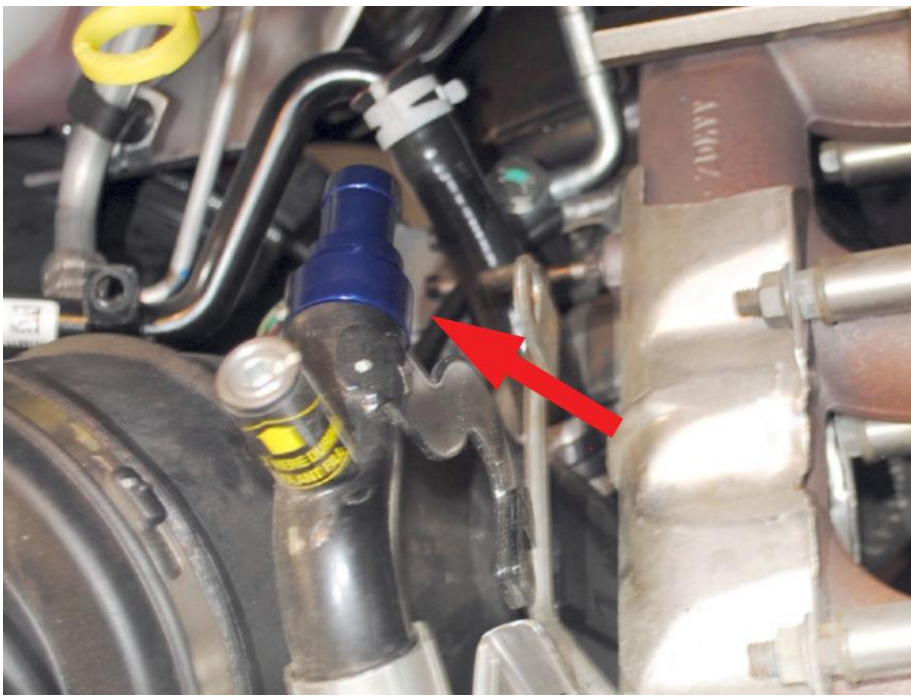


STEP 22

Re-install the crankcase breather tube.

STEP 23

Using the new supplied coolant hose and hose adapter, connect the two coolant ports that previously went to the EGR cooler. Secure the hose with the supplied hose clamps.



STEP 24

Replace the manifold bolt with the supplied stand off bolt. The bolt will be the third one in from the back of the motor. The nut on the stand off bolt should be used as a jam nut to secure it in place. Do not tighten the stand off bolt by the hex bar.



STEP 25

Install the provided bracket as shown. (See the last page for bracket installation.) Screw an M10 bolt into the support bolt. Secure the transmission oil dipstick to the bracket using a 1/4-20 bolt, nut, and washer. The bracket will hold the coolant hose connector in place.



STEP 26

Refill the coolant to factory specifications.

STEP 27

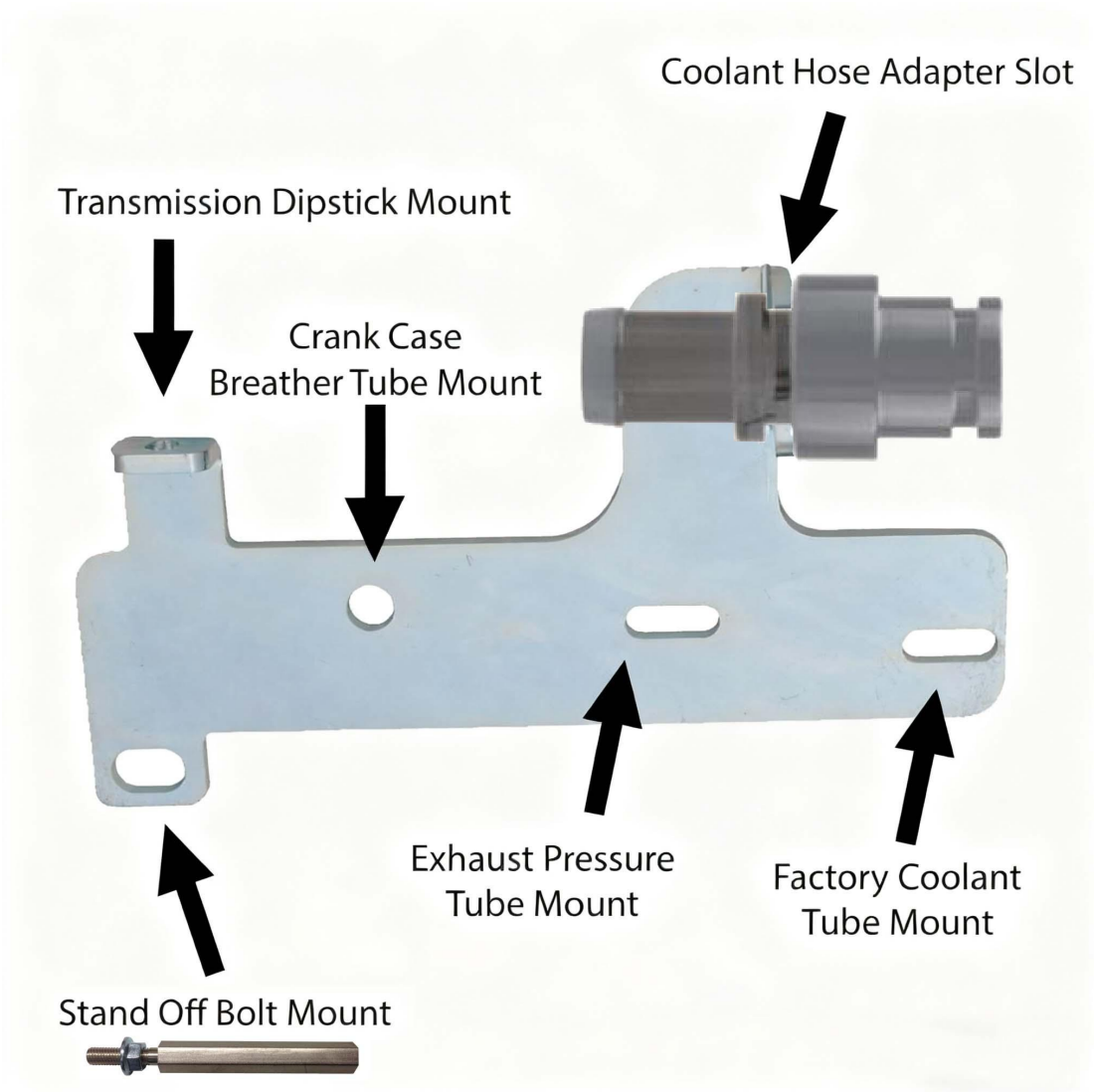
The installation of our EGR delete kit is complete and ready for testing. Start the engine and run until coolant circulates. Top off the coolant system as necessary and do a close inspection of any leaks.

STEP 28

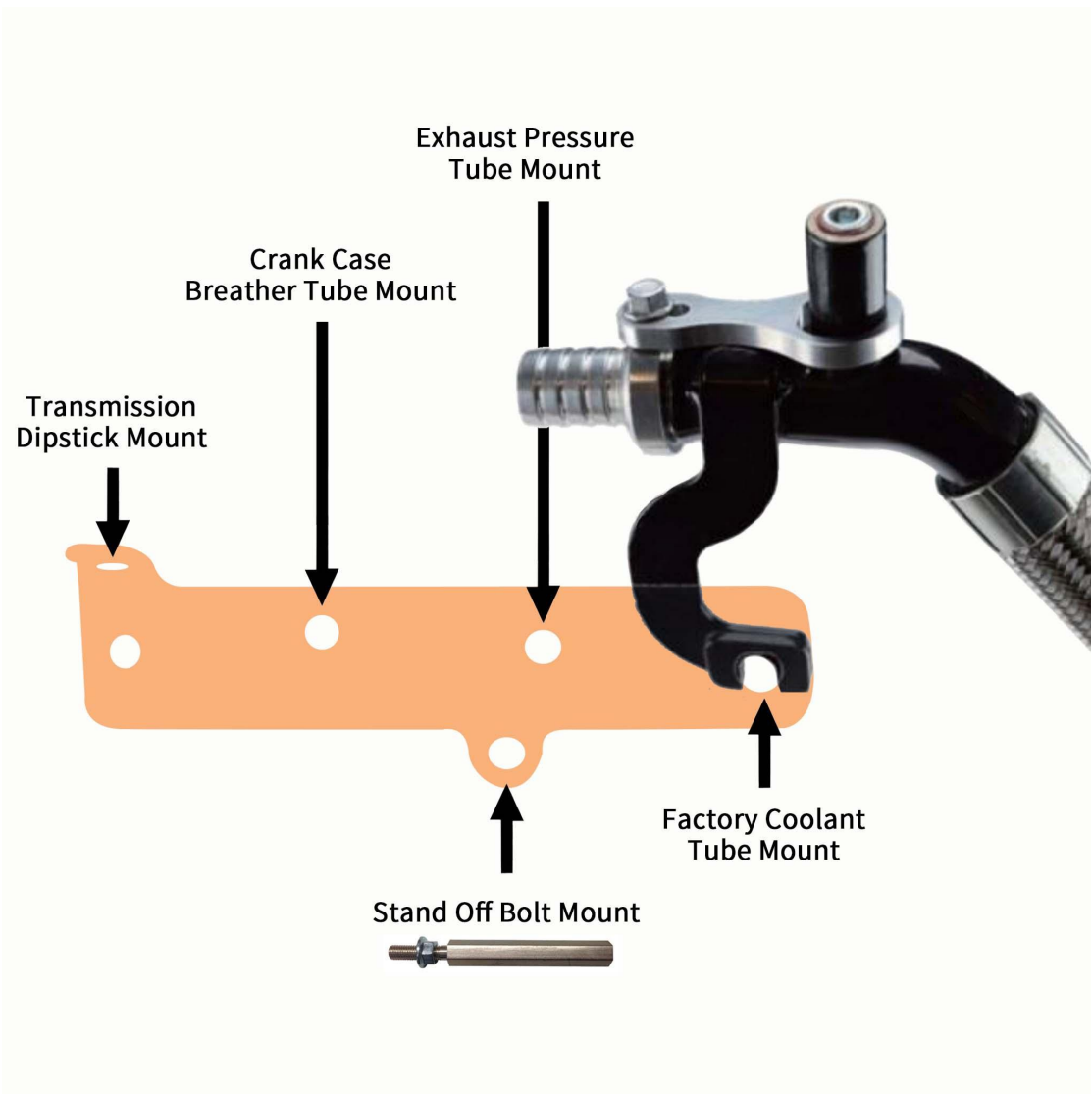
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Bracket Installation Diagram

Type 1



Type 2



Type 3

