

Step 1:
Disconnect main power cable from battery.
Disconnect electrical including grid heater, map sensor

Step 2:
Remove the intake tube and silencer as shown in photo above.



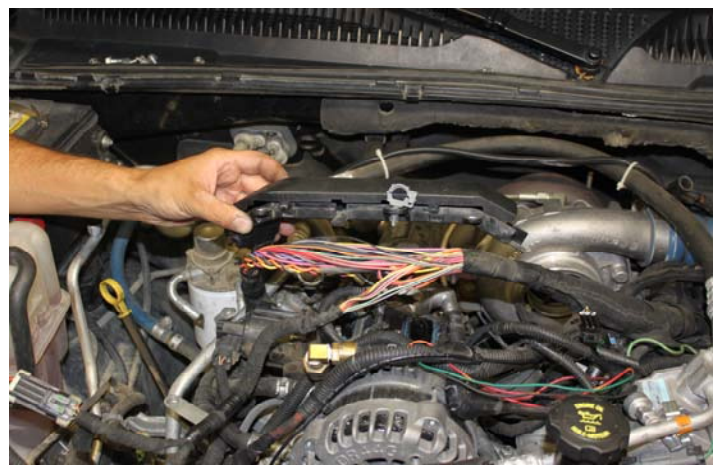
Step 3:
Loosen clamp on inter-cooler connection at bottom of intake tube. Remove bolts/nuts holding intake tube and remove complete assembly.



Step 3A :
Remove brass fuel test port carefully. Install deep socket on fitting and hit with hammer to break the fitting loose. Unscrew fitting carefully so as not to break at stem. Install fuel test port cap (F) in same location snugly.



Step 4:
Remove stud from mounting flange as shown.



Step 5:
Open plastic wire harness shield and remove from vehicle.



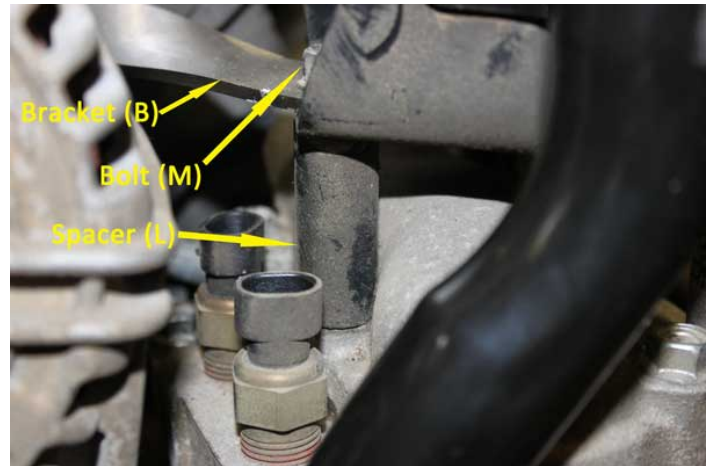
Step 6:
Wrap large wire loom (D) over wires and wrap loom with electrical tape.



Step 7:
Install small wire loom (E) over grid heater power cable. Make sure spade lug is completely covered. Wrap tightly with electrical tape.



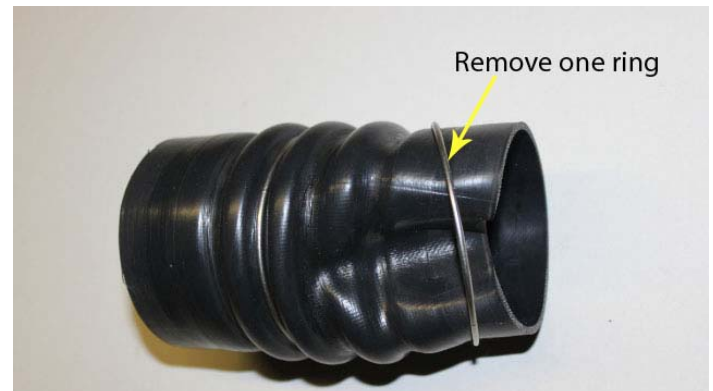
Step 8:
Remove back bolt on A/C compressor which holds wire harness bracket as shown.



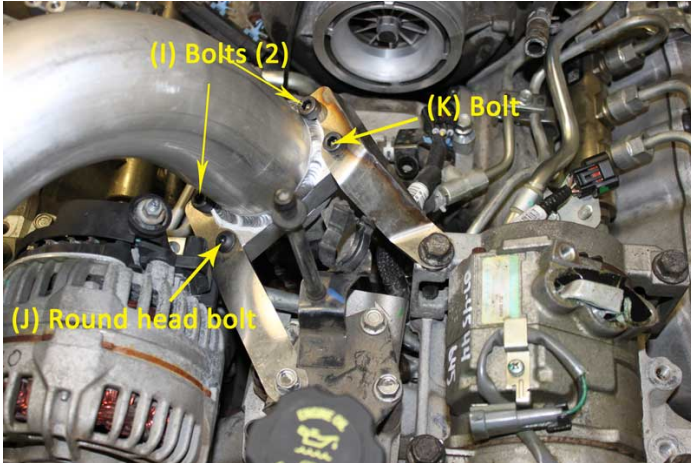
Step 8A: LBZ only
Install spacer (L) using Bolt (M) as shown on LBZ only. Use existing spacer on all other models.



Step 9:
Now loosely install new tube assembly. Make sure intake tube with O-rings is fully seated into 'Y' bridge. Picture above shows unacceptable gap. Pry bar may be needed to insure proper fit.



Step 10:
To facilitate installing the tube assembly unto the lower boot, remove one of the metal rings as shown above. This will allow the tube to slide further into the boot creating more attachment surface for the clamp.



Step 11:
Install allen bolts at flange to 18 ft-lbs. as shown above and mount bracket to A/C compressor, torque to 37 ft-lbs.



Step 12:
Install band clamp and isolator (A) to bracket as shown. Tighten band clamp to tube.

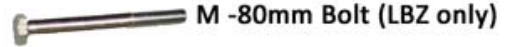


Step 13:
Install MAP sensor in mounting flange as shown. Hook up alternator power cable. Reinstall intake assembly. Install plugs (H) using Teflon tape as required. On newer LMM's, insert Grommet (G) into hole in mounting flange and install MAP sensor tube into Grommet.

Parts List



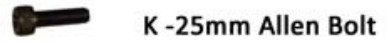
A -Band Clamp
& Isolator



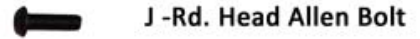
M -80mm Bolt (LBZ only)



L -Spacer (LBZ only)



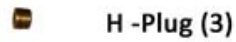
K -25mm Allen Bolt



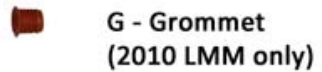
J -Rd. Head Allen Bolt



I -35mm Allen Bolt(2)



H -Plug (3)



G - Grommet
(2010 LMM only)



F -Fuel Test Port Cap



B -Bracket



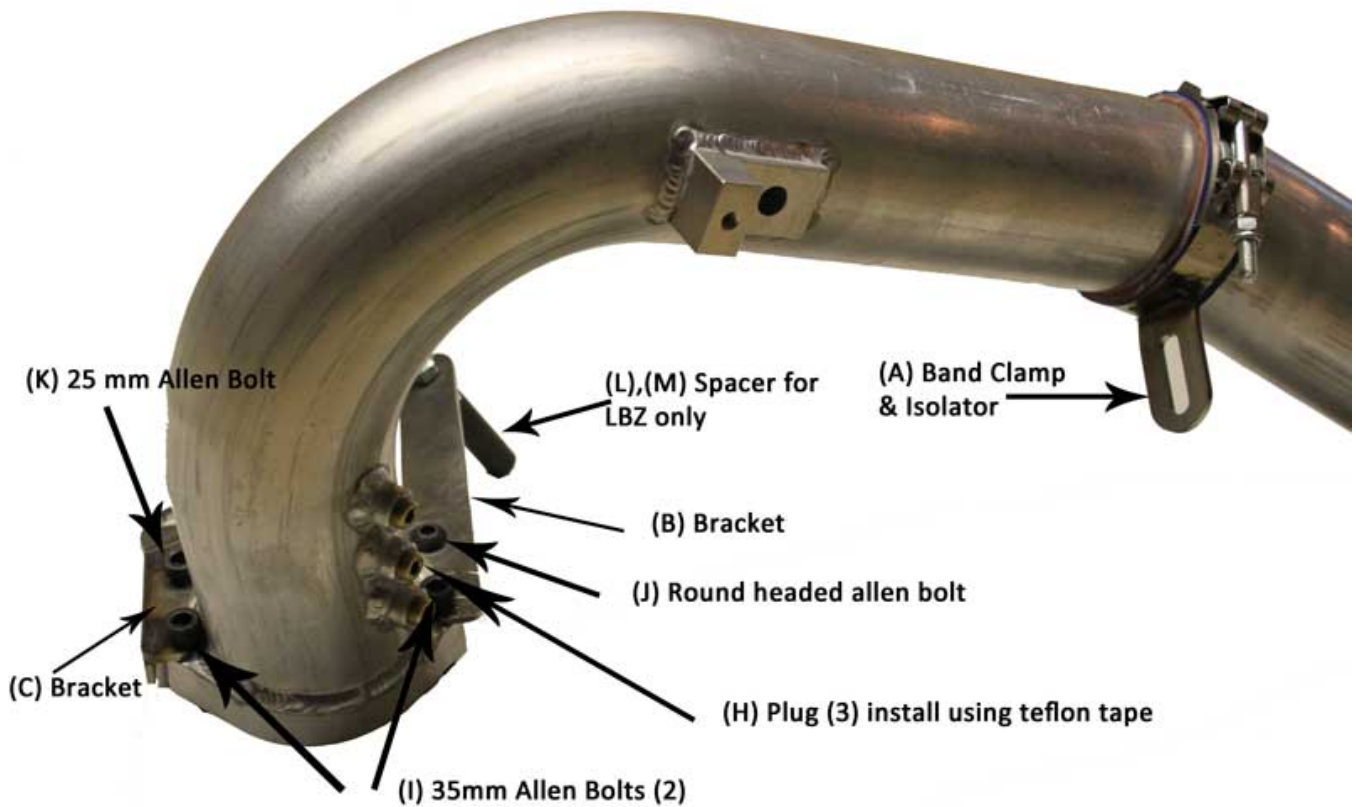
C -Bracket



D -Large Wire Loom



E - Small Wire Loom



EGR Delete Kit w/Grid Heater (Addendum)



Option 1 Using Spacer Block instead of heater grid:
Use the included spacer block. Save the original stainless gaskets and install them as shown.

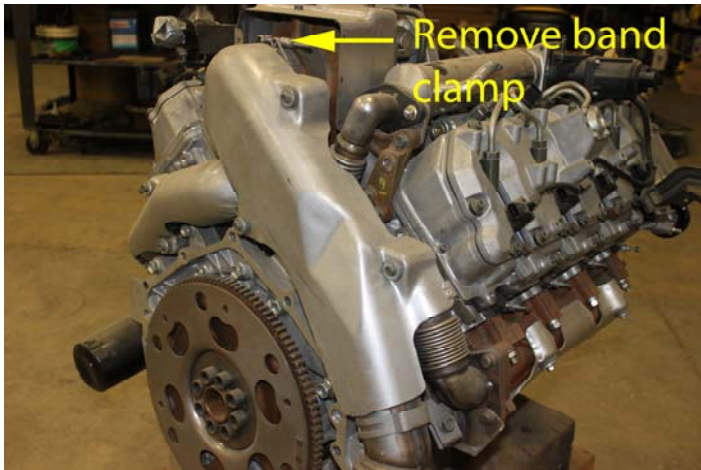
Option 2 Installing OEM heater grid:
Install the OEM heater grid between the two halves. Use the original OEM stainless gaskets on either side of grid as they were originally installed.

LB7 & modified Up Pipe Installation

Step 1:

Jack vehicle and support on suitable jack stands. Remove left front wheel and wheel liner

For clarity, we will show the procedure using an engine removed from vehicle. This procedure can be done with engine in vehicle.



Step 2:

Remove down pipe assembly and heat shield by loosening band clamp on top. Heat shield does not have to be removed from pipe.



Step 3:

Remove bolts from flanges at exhaust manifold, turbo pedestal and EGR cooling tube. Remove assembly.



Step 4:

Remove bolt holding bracket as shown. Remove heater hose from cooler and lift assembly off.



Step 5:

Mount new LB7 up pipe to exhaust manifold and turbo pedestal with 28 ft-lbs.

Step 6:

Reinstall down pipe reversing Step 2.

Step 7:

Install new water hose provided in kit from heater core to thermostat housing.

Step 8:

Reinstall wheel liner and wheel assembly.