



Upper Intake Manifold
1996-2004 4.6L GT Mustangs
Part No. 711 & 711A Installation Instructions
ARB EO# D 640-1

CL18 / ©Copyright 2003 US Patent No: US D512, 074 S and
US6,990,941

The installation of this product is quite straightforward, and can be performed by most anyone in 30 minutes or less.

Tools needed for installation include:

1. Flat blade screwdriver
2. 8mm socket wrench (1/4 drive preferred)
3. 10mm deep-well socket

STEP 1: Use the 10mm deep well socket to unbolt the 2 EGR bolts located on the driver's side of the plenum. (These must be removed first, because these bolts are very tight, and the plenum must be solidly mounted to the lower manifold to allow you to loosen them.)

STEP 2: Use the same socket to remove the two bolts on the top of the plenum that hold the factory throttle linkage in place. Once you have disconnected the linkage cables from the throttle body, you can lift the linkage assembly up and back over the cowl of the vehicle behind the engine compartment. This places it out of the way during the rest of installation.

STEP 3: Disconnect the wiring connectors that are attached to the idle air control valve (at the front of the plenum) and the throttle position sensor (on the throttle body). There are 3 vacuum fittings on the original plenum. They must all be disconnected to allow the removal of the plenum/throttle body assembly. The first is located at the front of the plenum next to the throttle body. The second is located at the front of the driver's side of the plenum, and this is the PCV hose that runs to the passenger's side valve cover. The third and final hose is located in the center of the back of the stock upper intake. Once these have been removed, you can now unbolt the five 8mm bolts that hold the upper intake to the lower manifold. Loosen the intake hose from the neck of the throttle body, and pull it off to the side. From the passenger's side of the vehicle, carefully lift the entire throttle body/plenum assembly off the lower manifold while pulling it towards you and away from the EGR assembly.

Step 4: With the plenum off the vehicle, you must transfer the throttle body and idle air control valve to the new upper manifold. As long as you are careful, the gaskets should stay intact, and should not need to be replaced.

Step 5: Re-assembly. Carefully lower the new plenum and throttle body assembly back onto the lower manifold from the passenger's side. You may need to slightly move the EGR connection to allow you to line the boltholes of the new plenum up to the lower manifold. Be careful to make sure that when the plenum is in place that the "rubber band" gasket in the lower manifold is not rolled over on its side and makes a proper seal with the new upper. To ensure this, you might want to lift the new plenum straight up off the lower, inspect the band, and lower it back down directly over the lower manifold boltholes. Once the 5 lower manifold bolts are tightened (be sure not to over-tighten them), then re-assembly is in the exact opposite order of removal. Before starting the vehicle, go over everything and make sure all items have been properly re-connected. After checking for any potential leaks or missed connections, installation is now complete!

Attn: Included with your C&L kit is a label with an ARB E.O. number. Make sure your ARB E.O. label is placed in plain view inside the engine compartment. The ARB E.O. label is required for passing the California Smog Check inspection.