



F-BODY LS-1 LONG TUBE HEADERS & MATCHING Y-PIPE.

INSTALLATION INSTRUCTIONS

Included in this kit-

Headers, gaskets, header bolts, collector studs, flat washers, lock washers, wire and heat shrink for extending the o2 sensor harnesses.

Tools Required-

Jack, sturdy jack stands, 3/8" ratchet, extensions, swivel, 15mm, 13mm, & 10mm, sockets 22mm open end wrench, large flat screwdriver or small pry bar, wire strippers, soldering iron, solder, heat gun.

- Step 1** Disconnect battery
- Step 2** Lift car as high as possible.
- Step 3** Unplug the oxygen sensors from their wiring harness connections.
- Step 4** Unbolt the Y-pipe exhaust hanger from the transmission if applicable.
- Step 5** Loosen the clamp that connects the Y-pipe outlet to the tail pipe section.
- Step 6** Remove the cross brace from under the Y-pipe if applicable.
- Step 7** Unbolt the Y-pipe from the catalytic converters and remove it from the car.
- Step 8** Remove the nuts that connect the catalytic converters to the factory exhaust manifolds, and then remove the converters from the car.
- Step 9** Unbolt the EGR connections that attach to the factory exhaust manifolds.
Note; There are no EGR connections on these headers. You may block off or remove the existing tubes at this time if you have not already done so.
- Step 10** Remove the spark plug wires to avoid damaging them during header installation.
- Step 11** Pull out the dipstick, unbolt the dipstick tube, and remove it from the car by pulling the tube up and out of the engine block.
- Step 12** Remove bolts that attach the steering shaft to the steering rack and firewall steering column yoke.
- Step 13** Unbolt and remove the stock exhaust manifolds and gaskets.
- Step 14** Install the BBK headers using the supplied gaskets and hardware.
- Step 15** Thread the supplied collector studs into the headers by hand.

Step 16 Loosely attach the BBK Y-pipe halves with the supplied coupler. **Note; Final tightening of this coupler will be done after all other components are aligned and tightened.**

Step 17 Connect the flanges on the Y-pipe to the headers using the supplied washers, lock washers, and nuts.

Step 18 Using the original clamp, connect the supplied Y-pipe to the tailpipe section.

Step 19 Tighten the coupler that connects the Y-pipe halves.

Step 20 Re-connect spark plug wires.

Step 22 Re-install the dipstick tube using the original bolt.

Step 22 **EXTENDING THE o2 SENSOR HARNESSSES**

Note; You can chose to extend the o2 sensor wiring, but It is best to extend the wiring harness itself and not the o2 sensor wiring as most o2 sensors have special wires in them. BBK strongly recommends soldering the connections, then using the supplied heat shrink to insulate & protect the connections

A Determine how much longer your o2 sensor harnesses need to be and cut the appropriate lengths from the supplied wire. We have supplied you with enough wire to extend the front o2 harnesses 10”.

B Cut the supplied heat shrink into 16 1” sections.

C Cut and extend the o2 sensor harness wires one at a time so as not to mix the wires up, and at different lengths so as not to have a bulk of wires connections in one place along the length of the harness. Be sure to slide 2 pieces of heat shrink over each wire as far away as possible from the area being soldered. Once the solder has cooled, slide a piece of heat shrink over the soldered area and use radiant heat from the soldering iron, or heat gun to shrink it.

Step 23 Re-establish all o2 sensor connections.

Step 24 Re-install steering shaft.

Step 25 Re-connect battery.

Installation Photos



Remove catalytic converters



Remove steering shaft