TOOLS REQUIRED-8,10,13,15mm sockets, 13,22mm wrenches, ratchet

Disconnect negative battery cable.

You will be reusing the stock studs and nuts for reassembly

STEP 2 Raise vehicle up and support with sturdy jackstands. Remove strut tower brace, if equipped. STEP 3 Find front O2 sensor plugs at the back of the engine on each side and disconnect the sensor STEP 4 plugs. Use a small blade screwdriver to push down on small tab in connector to release. STEP 5 Find rear O2 sensor plug connections on each side of the transmission. Disconnect the sensor plugs. Push on tab with thumb to release. Loosen the barrel style clamps at the rear of the stock catted mid-pipe. Slide the clamps back STEP 6 onto the exhaust pipes to allow catted mid-pipe section to be removed. Fig. 3 STEP 7 Remove the nuts at the exhaust manifold collector/catalytic converter mid-pipe connection. Remove catted mid-pipe section and set out of the way. Remove the heat shields on top of the stock exhaust manifolds. Remove stock exhaust STEP 8 manifolds and gaskets. Fig. 1 Clean head surface and install supplied BBK header gasket. STEP 9 Install BBK full length header from below and bolt up to heads, both sides. Fig. 2 STEP 10 STEP 11 Install all stock studs and nuts and tighten. Remove O2 sensors from stock mid pipe. Install sensors in collectors of BBK headers. STEP 12 STEP 13 Install supplied O2 sensor extensions to the harness plugs and route down along the transmission to the sensors plugs. Fig. 4

NOTE: Supplied O2 sensor extensions have 8 pins in the connectors, Ford uses 6 of them. Although the stock plugs have only 6 pins and the extensions 8 pins, the extensions will work perfectly.

- Install studs into header collectors, install Hi Flow catted or Off Road X-pipe. *Fig.* 5

 **BBK Part# 1461 or 1462. Stock barrel style clamps used at the rear of BBK X-pipe. *Fig.* 3

 **Install stock rear O2 sensors into provided bungs behind the cats. Connect to harness plugs.

 Reinstall strut tower brace, if equipped.
- **STEP 17** Reconnect battery.

STEP 1

STEP 18 Start engine and check for any exhaust leaks.



FIG.1 Remove heat shields



FIG. 2
BBK header will slip right in place around steering shaft and motor mount.



FIG. 3
Stock barrel style clamps connect BBK X-pipe.



FIG. 4
Driver side rear O2 sensor extended wire routing.
Loop down under shifter arm and ziptie to steel
transmission cooler line



FIG. 5 BBK X-pipe #1461 shown installed.

BBK PERFORMANCE PARTS