

# Full Length Headers

Part # 4041,40410,40415



### Special Tools Required:

- No special tools required

### Install Time:

Approximately  
1 Hour 30 min

### Difficulty:

2 out of 5

Follow these instructions carefully to ensure correct fitment and operation.

#### STEP 1

- Disconnect the negative battery terminal on battery located in the trunk. Place a rag over the trunk latch so the lid wont latch with the battery disconnected.

#### STEP 2

- Remove the oil cap and the engine cover. Replace the oil cap so no debris will enter the engine.

#### STEP 3

- Disconnect the Mass Air Sensor Plug. Loosen the clamp on the air inlet tube at the throttle body. Remove the 2 nuts that secure the air box. Remove the inlet tube and air box.

#### STEP 4

- Remove the dip stick and tube.

#### STEP 5

- Remove exhaust manifold heat shields. Remove the exhaust flange nuts for mid-pipes on both sides. Disconnect the oxygen sensor plugs on both sides at the back of the engine.

#### STEP 6

- Lift the vehicle as high as possible.

#### STEP 7

- Unhook the rear oxygen sensors. Loosen the exhaust clamps at the rear of the mid-pipe assembly, slide to release the mid-pipe assembly and remove from the vehicle.

#### STEP 8

- Remove the stock exhaust manifold bolts (from top of the engine compartment) and remove the exhaust manifolds from underneath the vehicle. Remove the stock gaskets and make sure the head surface is clean of any debris.

#### STEP 9

- Install the supplied oxygen sensor wire extensions to the plugs at the rear of the engine. Route them down to back of the bell housing.

#### STEP 10

- From underneath the vehicle, position the headers onto the heads and install a bolt or two to hold them in place.



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installation instructions

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## STEP 11

- From above, position the gaskets in place and install all the supplied header bolts and tighten. First torque them to 11ft lbs then to 18ft lbs.

## STEP 12

- Install the supplied studs into the header collector flanges.

## STEP 13

- Install the supplied cat sections or off-road pipe sections to the collectors using the supplied hardware. Slide the stock exhaust clamps over the pipes to connect to the rear. Position the oxygen sensor bungs at a slight upward angle. Tighten the clamps and collector nuts.

## STEP 14

- Transfer all 4 oxygen sensors from the stock exhaust manifolds and mid-pipes to the BBK Headers and cat/off-road sections. ***NOTE!!! Be sure to add a small amount of anti-seize to the top thread of each oxygen sensor using the supplied anti-seize packet. As you thread the oxygen sensor back into the part the anti-seize will spread evenly throughout the threads.***

## STEP 15

- Reconnect all 4 oxygen sensor plugs.

## STEP 16

- Re-install oil dipstick and tube. Re-install the air box and inlet tube. Reconnect the breather hose and Mass Air Sensor Plug.

## STEP 17

- Remove the oil cap and re-install the engine cover and replace the oil cap. Reconnect the battery and start the engine to check for any leaks. Re-torque the header bolts after about 100 miles of driving.



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installation instructions

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## O2 Sensor Wire Extension Modification

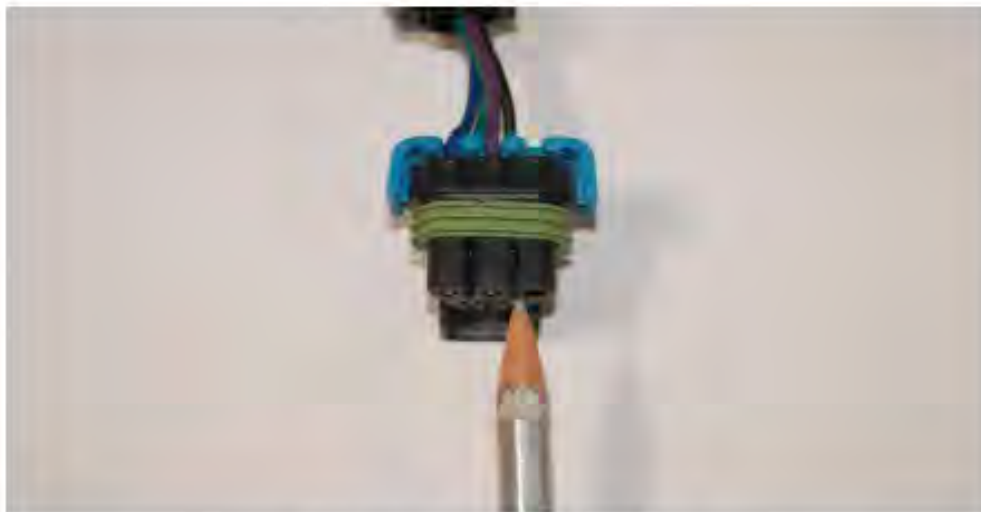
*On the male connector of the provided extension wires, the plastic needs to be trimmed out of the other slot as shown in the pictures. Use a sharp knife to carefully trim out the plastic to open the slot. Also make this modification to the O2 sensor plug.*



*Open this slot up*



*Using a sharp knife*



*Shows slot opened up*

Revised 2/25/2013



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