

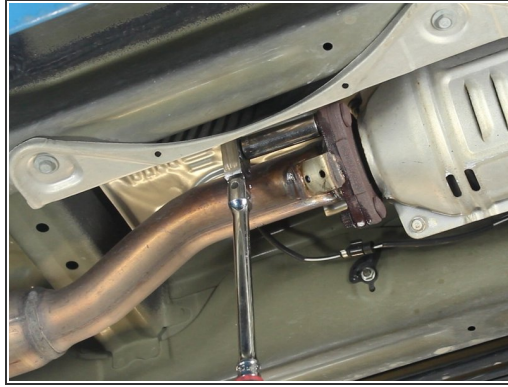


Skunk2 Alpha Header (06-11 Civic Si)

Written By: Hybrid Racing

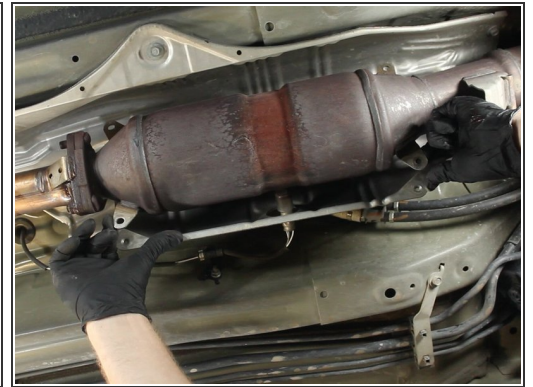
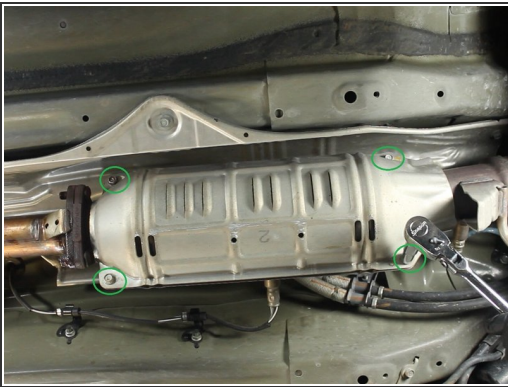


Step 1 — Skunk2 Alpha Header (06-11 Civic Si)



- Apply penetrating oil to the three nuts that mount the exhaust system to the stock catalytic convert pipe.
- Remove the three nuts.

Step 2



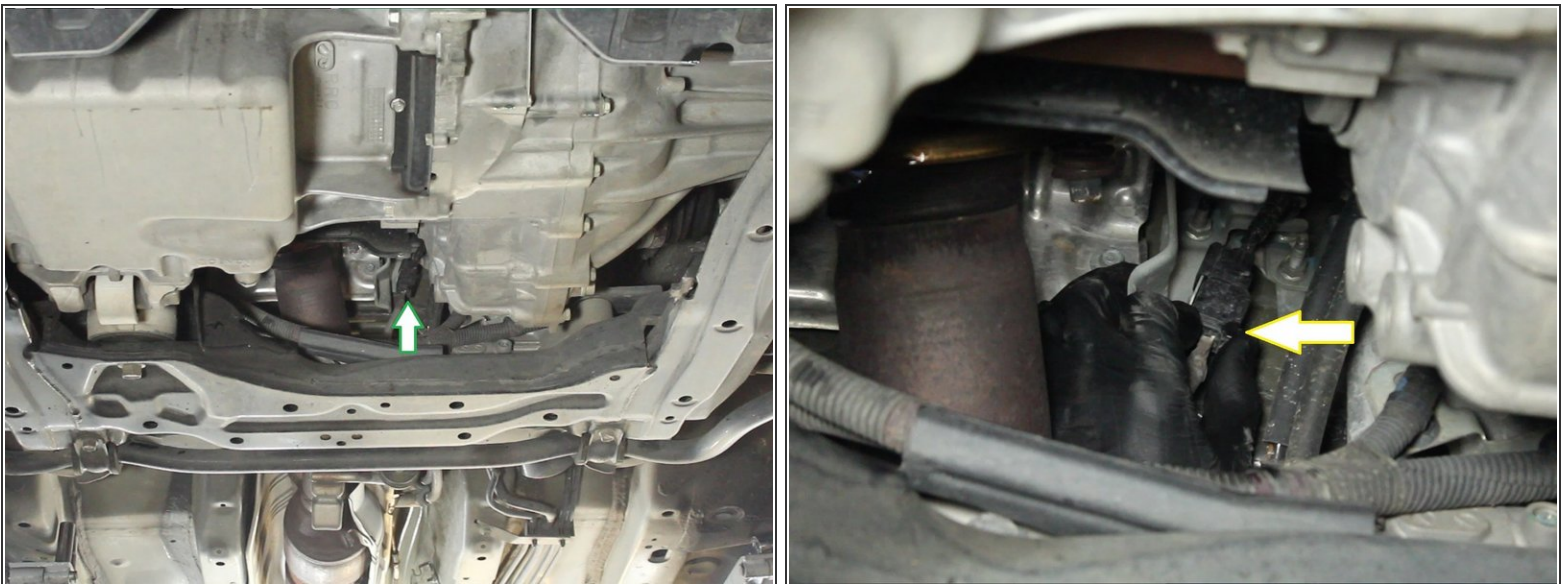
- Remove the four 10mm bolts that hold the heat shield to the catalytic converter.
- ⓘ Removing the heat shield will ease in the removal of the o2 sensor.
- Remove the lower portion of the heat shield, the upper will remain until the o2 sensor has been removed.

Step 3



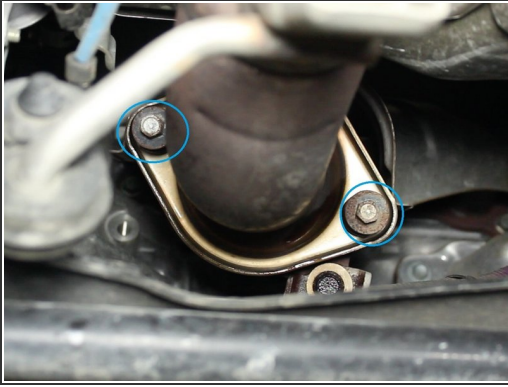
- Prepare the o2 sensor for removal with penetrating oil.
- Using an crescent wrench or an o2 sensor socket, remove the o2 sensor from the catalytic converter.
- ⓘ Optional: Tuck the o2 sensor up on the heat shield so that it does not get in the way of the removal of the factory exhaust manifold and catalytic converter.

Step 4



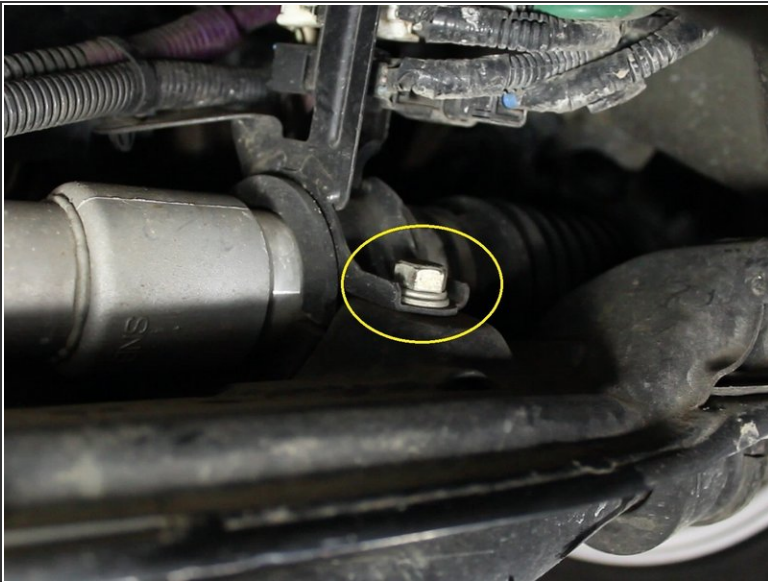
- Unplug the primary o2 sensor from the plug that is attached to the firewall by pressing on the release clip.

Step 5



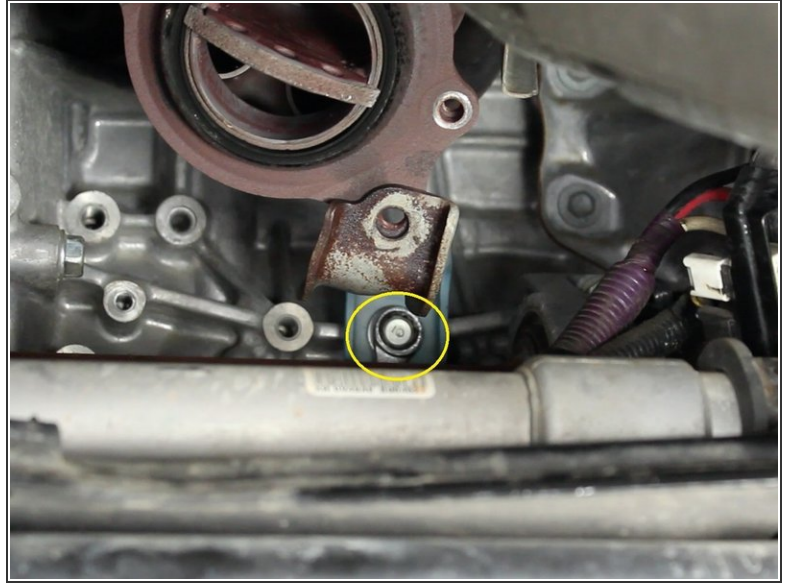
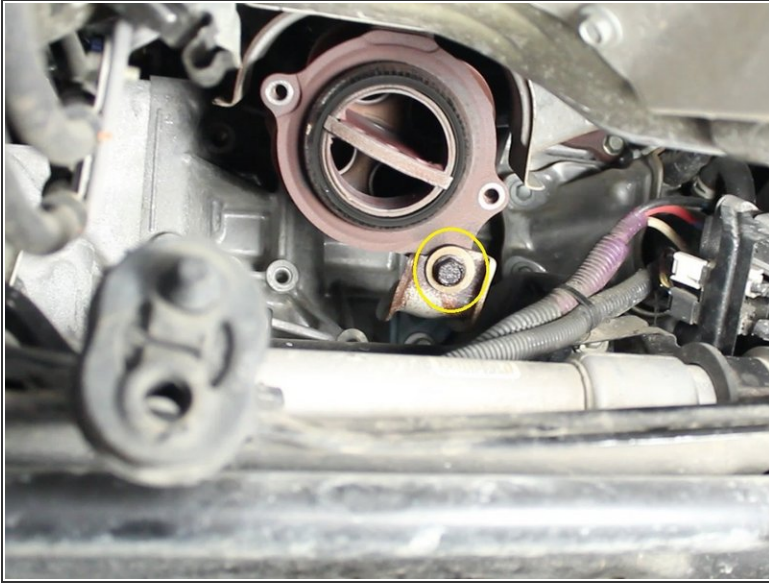
- Remove the two 12mm spring bolts that attach the catalytic converter pipe to the exhaust manifold.
- Remove the exhaust hanger from the catalytic converter pipe.
- Remove the catalytic converter pipe.

Step 6



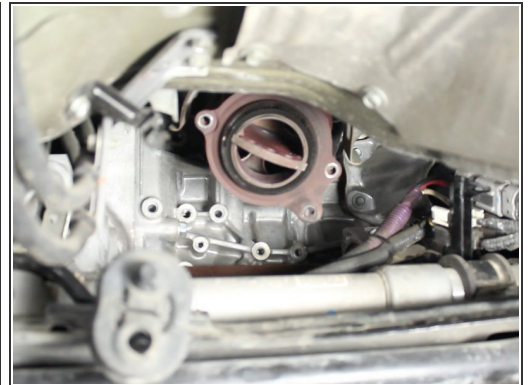
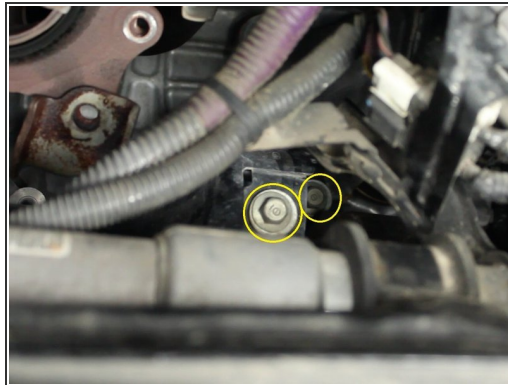
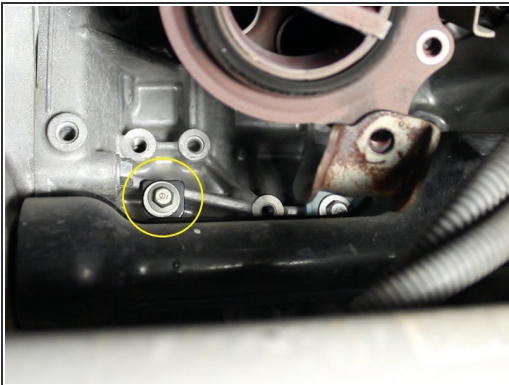
- Remove the two 14mm bolts that hold the sub-frame harness to the steering rack.
- Lift the bracket away from the steering rack and push towards the engine and tuck it out of the way. *This will aid in the removal of the factory exhaust manifold.*

Step 7



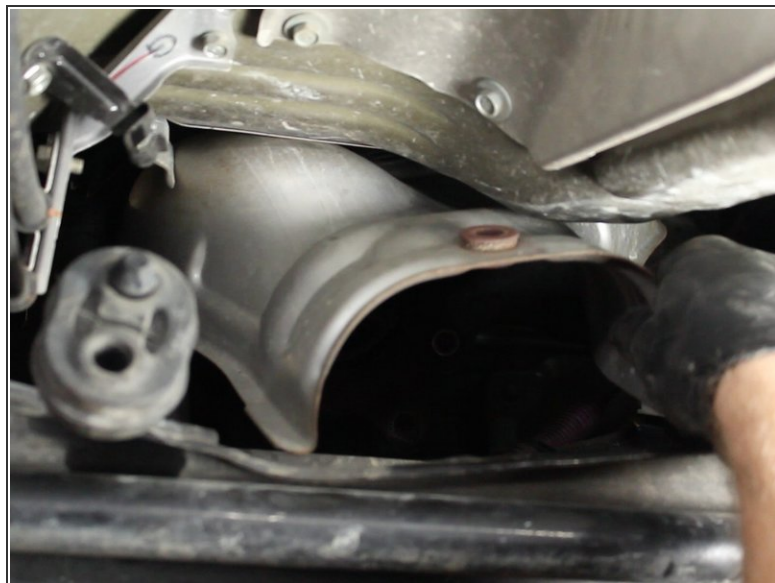
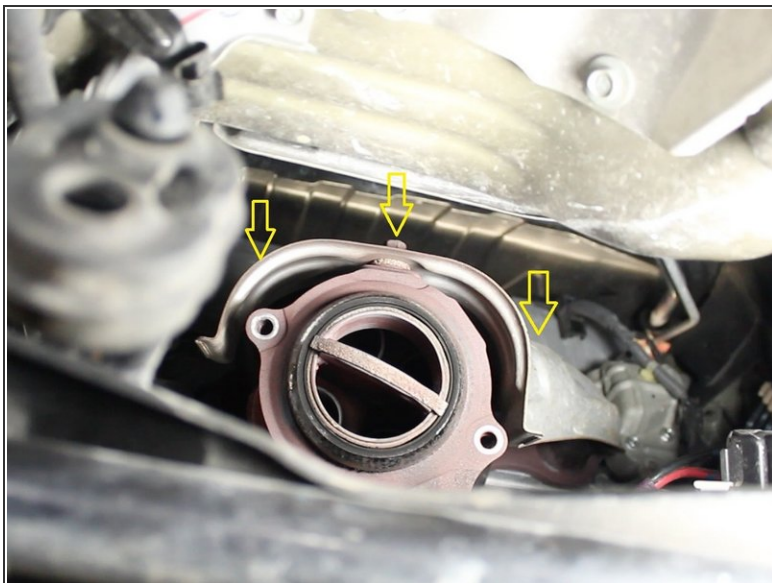
- Remove the two 14mm bolts that attach the exhaust manifold to the engine block and remove the support bracket.

Step 8



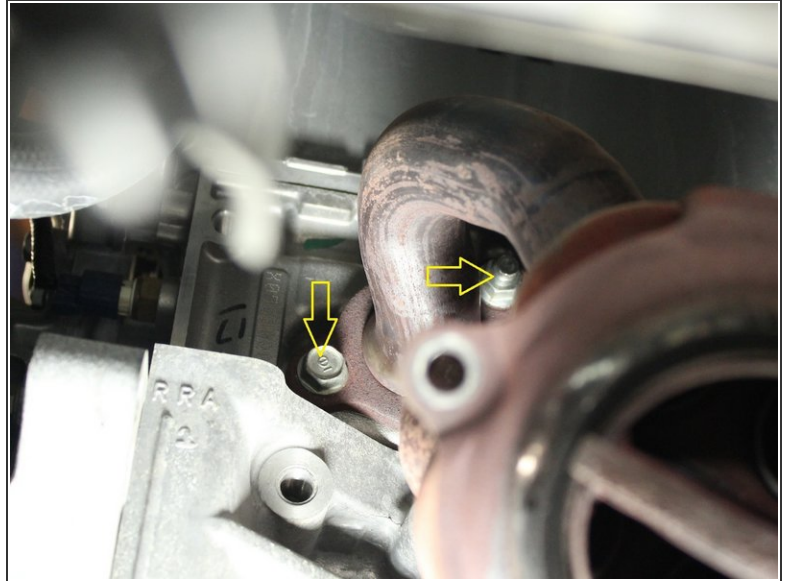
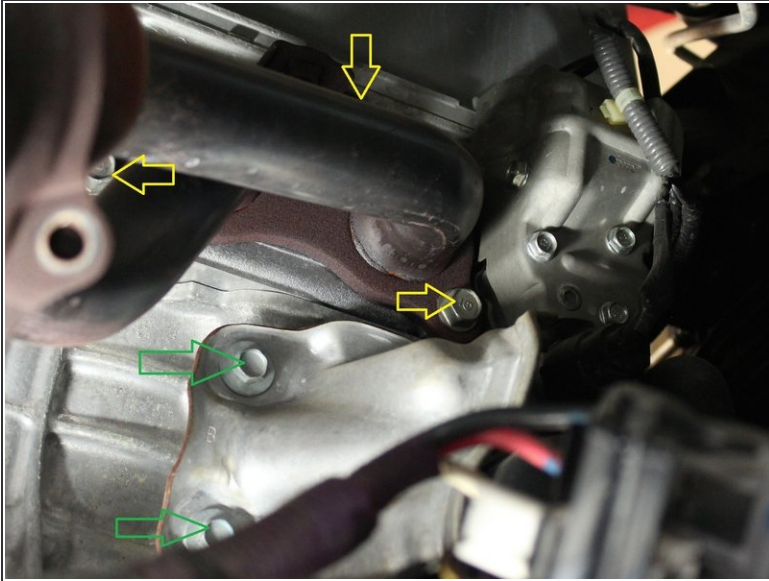
- Remove the three 12mm bolts that attach the half shaft cover from the engine block.
- ⓘ Installation of the cover after the install is complete is not required.

Step 9



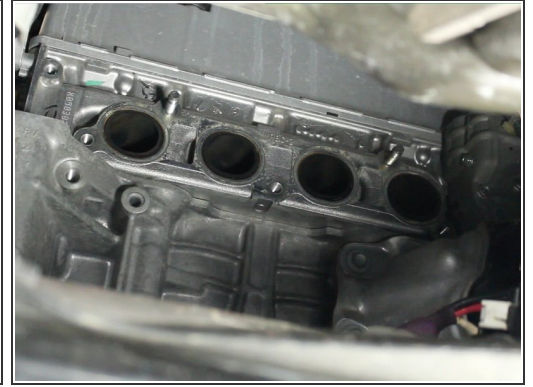
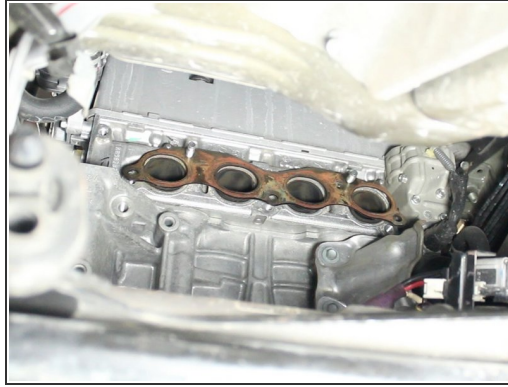
- Remove the heat shield from the exhaust manifold by removing three 12mm bolts.
- ⓘ *There is one at the bottom and two on each side at the top.*
- Remove the heat shield. *Some force may be required.*

Step 10



- Remove the three 14mm bolts and two 14mm nuts from the factory exhaust manifold mounting points.
- ⓘ The exhaust manifold will rest on the upper studs once the all of the bolts/ nuts have been removed.
- Remove the two 12mm bolts that attach the oil filter heat shield to the engine. *The removal of this piece will aid with the removal of the factory exhaust manifold and installation of the new header.*
- ⓘ *The re-installation of the heat shield is optional.*

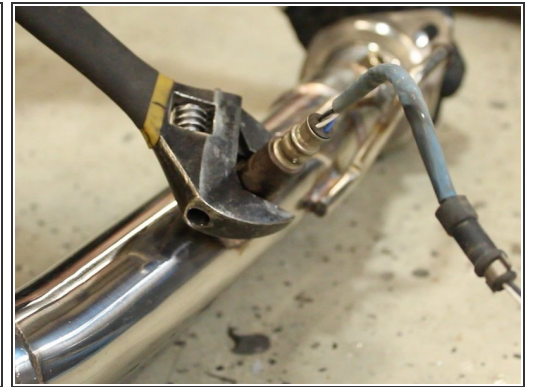
Step 11



- Remove the factory exhaust manifold from the engine.

⚠ Please do not throw away your factory exhaust manifold. Re-use the gasket if there are no signs of damage or wear. Replace if necessary.

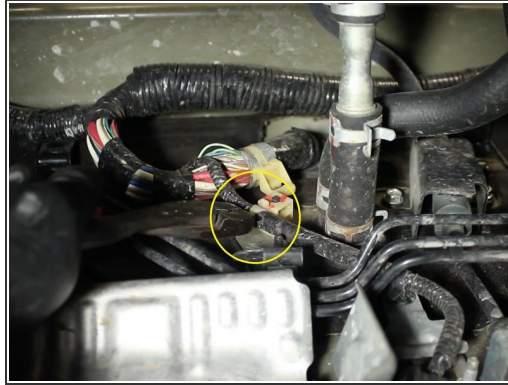
Step 12



- Prepare the o2 sensor for removal with penetrating oil.
- Remove the primary o2 sensor from the catalytic converter pipe.
- Install the o2 sensor in the first port closest to the flange that attaches to the engine.

i Depending on the mileage of your vehicle, it is recommended to inspect your primary o2 sensor for possible replacement.

Step 13



- Remove the 10mm bolt attaching the bracket for the primary o2 sensor harness and remove the clip to detach the harness from the bracket.
 - Cut the next clip up that attaches the o2 sensor wire to the firewall.
- i** This will need to be removed to get slack out of the wire for the o2 sensor to reach from the header to the harness.