



2012 Hyundai Accent Oxygen Sensor Replacement

In this guide we will be replacing the oxygen sensor in a 2012 Hyundai Accent.

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INTRODUCTION

One item that commonly breaks in modern cars is the oxygen, or O₂, sensor. When they go bad, it can lead to rough idle, and if ignored, will leave motorists stranded. It is very easily diagnosed by a trouble code or check engine light. Many auto parts store will scan cars for free, and the code provided will indicate if there is a bad O₂ sensor, as well as many other possible issues.

This fix will involve finding the sensor, unplugging it, unthreading it, and reinstalling a new sensor in its place.

Reminder: Engine bays are usually very dirty so a pair of work gloves or even non latex style medical gloves can make clean up easier. Thinner gloves are better for dexterity since there is a small plug to manipulate.

Reminder: More lighting is never a bad thing. Headlights, a friend holding a flashlight, or magnetic lights, while not a requirement, will definitely help.



TOOLS:

- [3/8" Drive Ratchet](#) (1)
- [Oxygen Sensor Socket](#) (1)
22mm
7/8" or 22mm
- [10mm Wrench](#) (1)
- [3/8" 6" Ratchet Extension](#) (1)



PARTS:

- [Oxygen Sensor](#) (1)

Step 1 — Oxygen Sensor



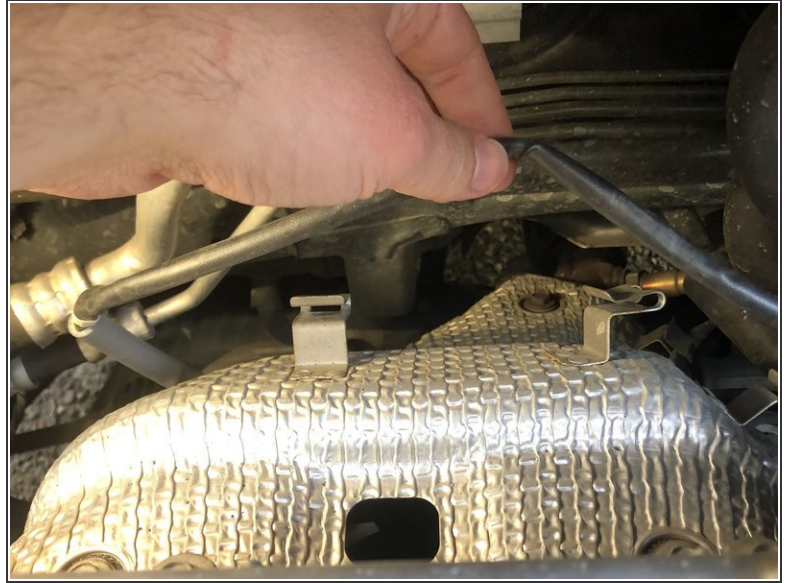
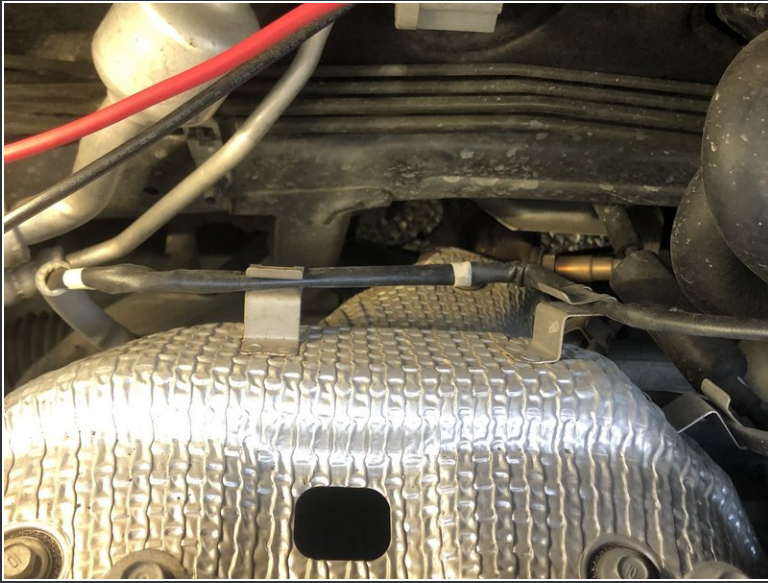
- ⚠ Never work on a hot vehicle. Allow your car to cool for at least 4 hours before performing maintenance.
- ⚠ Never work on any automotive electronics without first disconnecting the negative (-) terminal.
- Use a 10 mm wrench to loosen bolt on the battery's negative (-) cable, then slide it off the (-) negative post.

Step 2



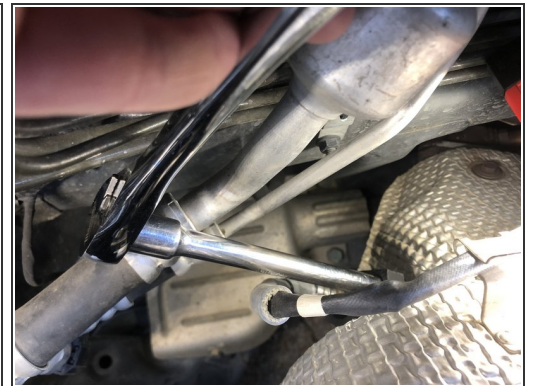
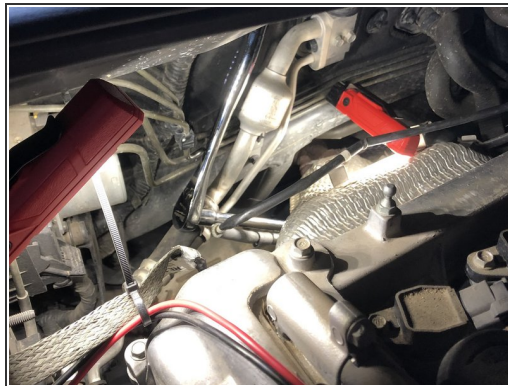
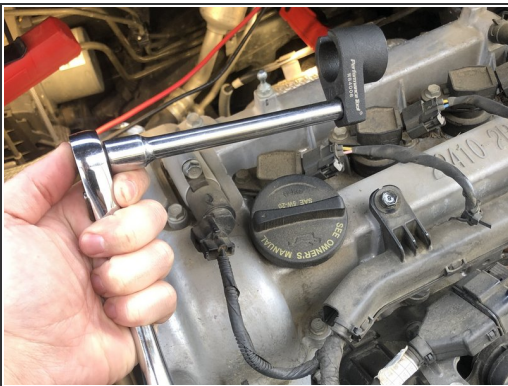
- Locate the sensor off the exhaust header and follow the wire up to the connector.
- ⚠ Some of the pieces on the top-front of the engine are sharp; be careful what you lean on.
- Gently work the connector out of the bracket, then disconnect it by pressing the tab inward then pulling out.
- ☞ Plastic gets brittle over time. Be gentle and go slow. If it's not coming out, take a break and come back a little later. Be patient to avoid damage.

Step 3



- Gently pull the wire out of its bracket.
- ⓘ It will lift out of the bracket with minimal effort.

Step 4



- Place the 7/8" (22 mm) socket around the O2 sensor. Use a ratchet and 6" extension to loosen and remove the sensor.
- Place the socket on the sensor without the ratchet in the way. Once the socket is in place, reattach the ratchet and loosen.
- ⓘ The sensor is behind the exhaust, up against the firewall. Having a headlamp, or a friend who can hold a flashlight, is a big help. The red lights in these photos are cheap magnetic lights!

Step 5



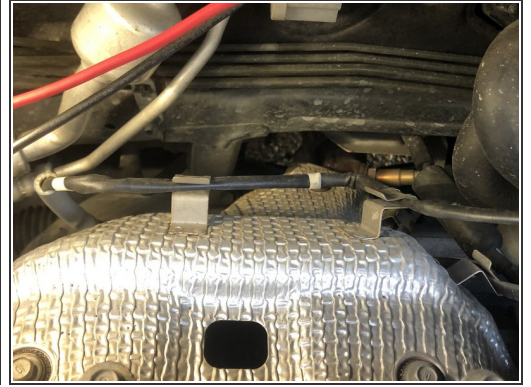
- The sensor can now be unthreaded by hand.

⚠ When installing the new O2 sensor, if you feel extreme resistance, STOP. It means it is cross threaded. It should easily thread in by hand.

- Use the 7/8" (22 mm) socket to tighten the sensor firmly so it doesn't loosen from vibration.

i The last picture is what the whole sensor looks like out in the open.

Step 6



- Reconnect the plug by firmly pushing the plugs together.
- ⓘ Depending on the age of the plastic, you may or may not hear a click; just follow where the two plugs meet. There should be almost no gap.
- Push the connector back into its bracket.
- ⓘ You may need to slightly wiggle the connector as you seat it into its bracket. It will be a tight fit by design.
- Push the wires back into the metal brackets.

Step 7



- Reattach the negative (-) battery cable.
- ⓘ Be sure to push/seat the terminal as far down as possible before tightening the 10 mm bolt.

Your O2 sensor should be installed and good-to-go!