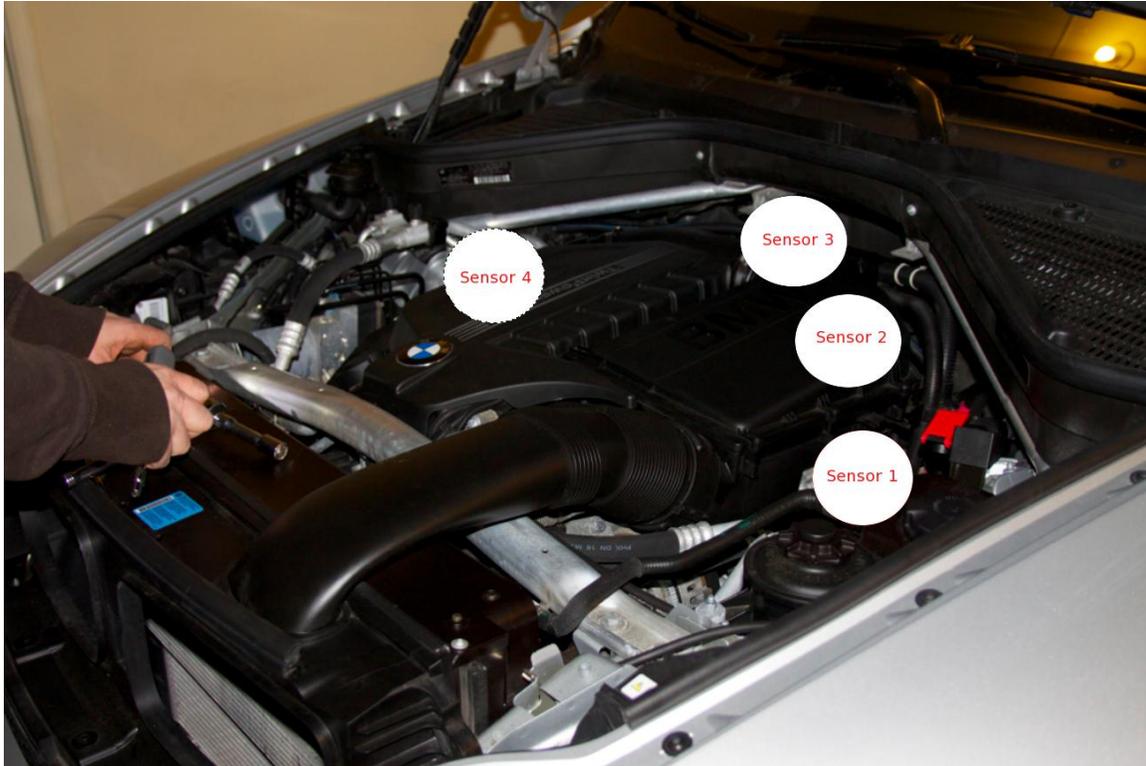


2011 BMW X5 3.5i Burger Tuning PiggyBack Install Instructions

Tools required: flat head screw driver, small flat head, 13mm socket, 10mm socket, socket extension, electrical tape and zip ties

Install Steps:



Sensors 1 - Sensor Placements



Air Box 1 - Loosen the clamp



Air Box 2 - Unclip Snorkel



Air Box 3 - Unclip elbow



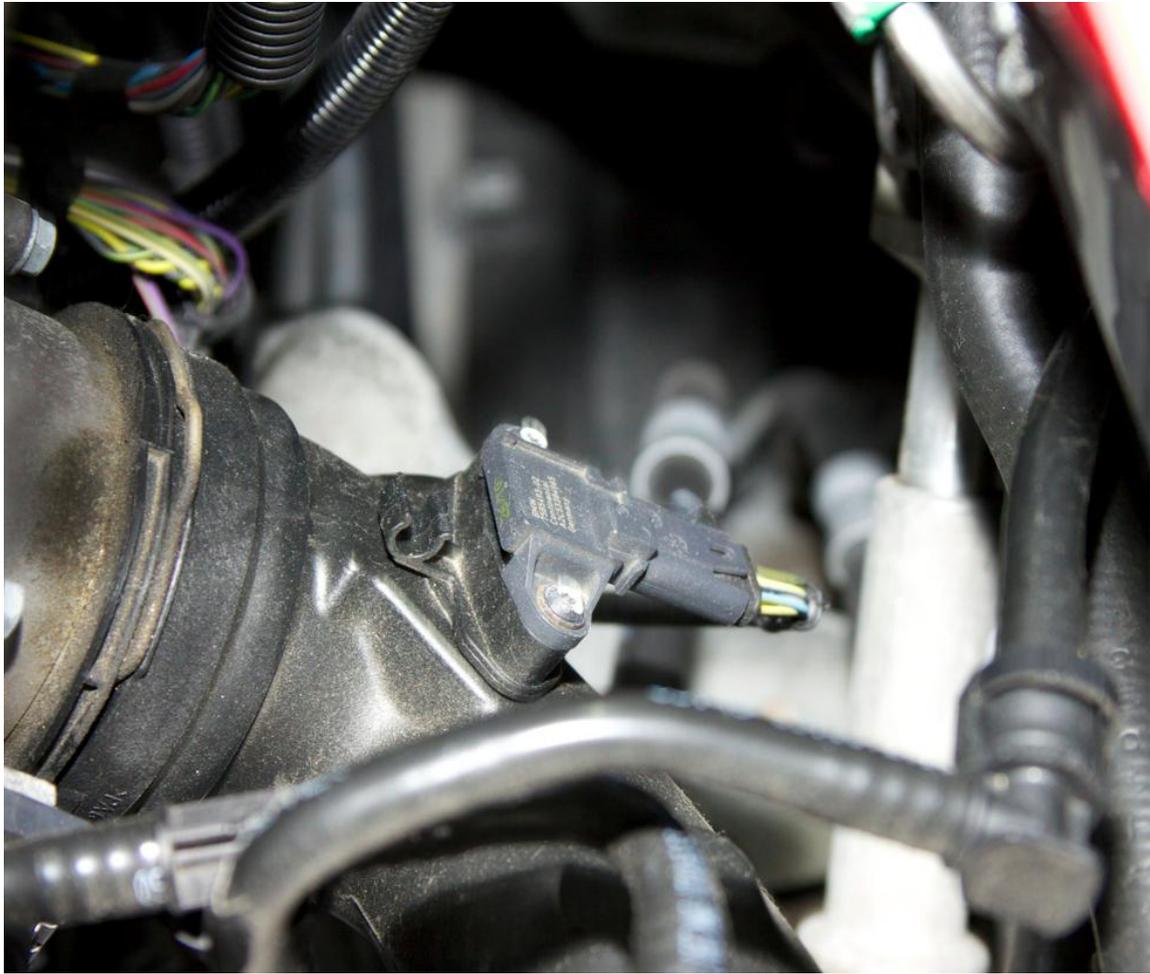
Engine Cover 1 - Lift from the front



Air Box 4 - Unclip the wires from the side of the airbox



Air Box 5 - Lift from the front



Sensor One 1 - Unclip the plug from the harness



Sensor One 2 - Piggy back installed and zip tied



Sensor Two 1 - View from under the airbox



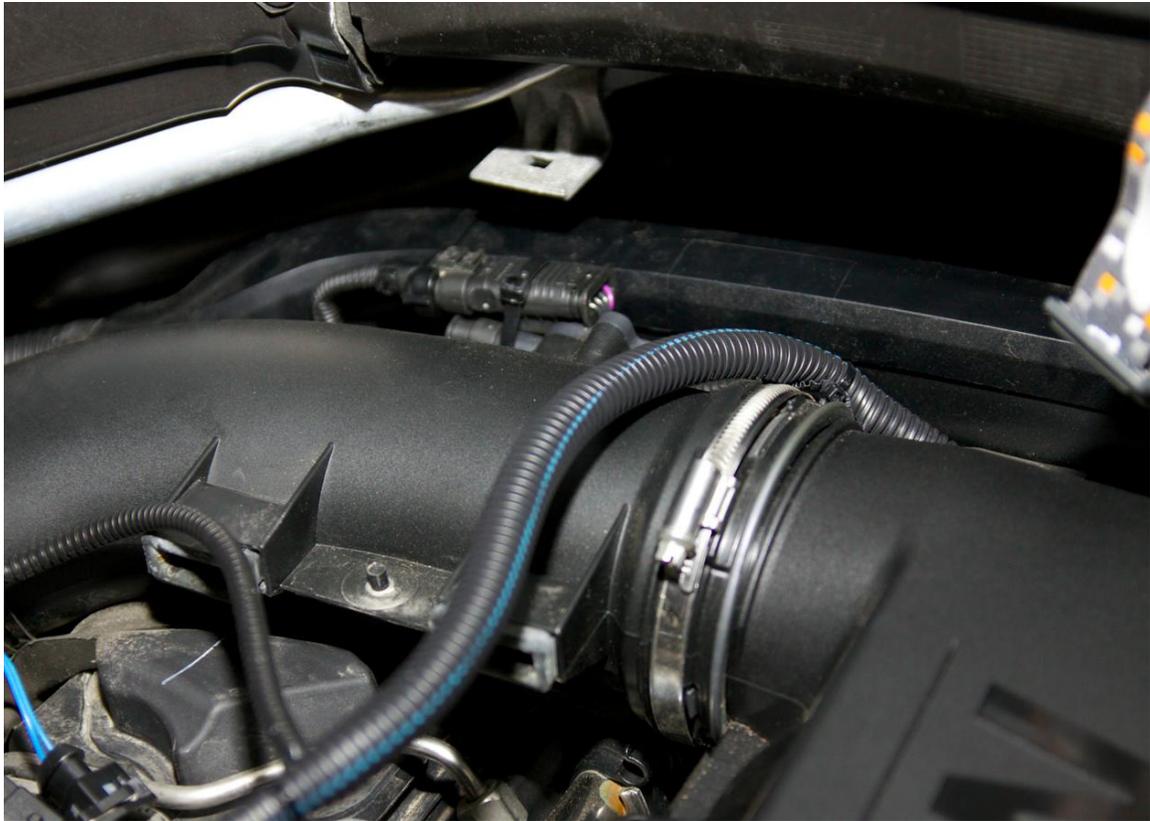
Sensor Two 2 - Use a very small screw driver to unclip the sensor, and install the piggy back sensors



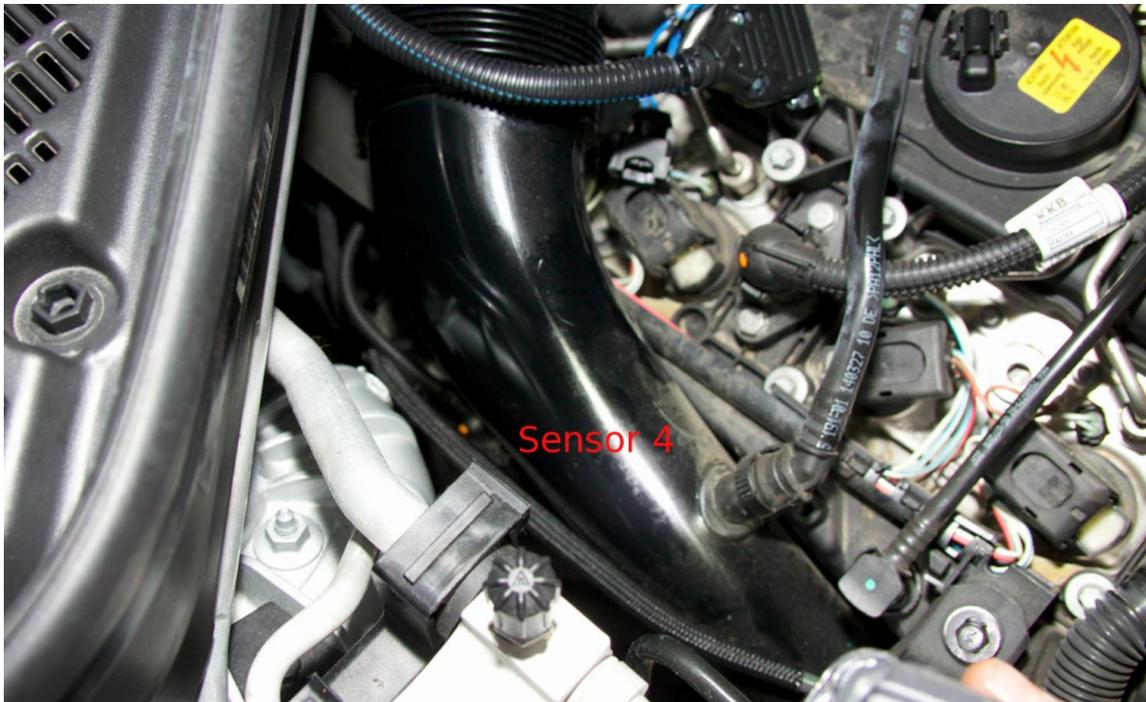
Sensor Three 1 Factory install view



Sensor Three 2 Harness Routing Example



Sensor Three 3 - Take a small screw driver into the back of sensor three to loosen.



Sensor Four 1 - it can be spotted by the orange dot left of the black pipe. Thankfully, a spring clip secures this sensor. Just press on the spring clip to loosen this sensor.



Sensor Four 2 Wire Routing Example



Sensor Four 3 Installed



Control Module Install 1 - The HVAC area will keep the control module nice and dry. We need to loosen the HVAC cover to install the control module. These black nuts require a 13mm socket, and you can only get a quarter turn out of them.



Control Module Install 2 - On the way out



Control Module Install 3 - Uninstall the cabin air filter



Control Module Install 4 - Make sure you unplug the cabin air filter plug before taking out the cabin air filter housing



Control Module Install 5 - Take off the weather strip and the engine compartment divider



Control Module Install 6 - There is a combination of torx bits and two 10mm nuts



Control Module Install 7 - Take out the expansion rivet as well



Control Module Install 8 - voila!



Control Module Install 9 - Take off the black top piece



Control Module Install 10 - There is an unused rubber plug. Take it out.



Control Module Install 11 - We will route the control module through this empty spot.



Control Module Install 12 - Cut open the rubber piece



Control Module Install 13 - Fish through the harness and reinstall the black top piece



Control Module Install 14 - Ziptie the control module to the nearby wiring



Control Module Install 15 - Close up of the control module

Reinstall everything in reverse order and enjoy your power upgrade!