INSTALLATION INSTRUCTIONS #52

EZ CEL Fix Oxygen Sensor Eliminator

STEPS TO FOLLOW

1. Cut the harness of the oxygen sensor.
2. See the colors & operations of each wire in the car wiring diagram or check out our color chart.
3. Connect the proper wires with terminals or solder them in place. (Hydrochloric acid recommended if soldering.)
4. Contact the red cable of the red/black dual wire to the ignition feed + 12V, and the black to the ground or battery negative. Please find an appropriate ignition feed power on either the consumer like the radio, wiper, or fuel pump activated by the ignition key, or tap into the main fuse box. Never use a heater harness (+/-12V) for power feed.
5. Mount or tie-strap the unit to any fixture on the chassis as far from the heat as possible. Lowest temp recommended.

Signal adjustment is not required. The simulator is preset to 0.9...0.95 Volt top voltage limit. This is the optimum fluctuating voltage threshold that is accepted by the ECU Make sure prior to setup that your system is narrowband. This reading mimics the O2 sensor signal of a 1-Volt zirconia type narrowband oxygen sensor. If you still want to diverge from the stock signal and modify the Air Fuel Ratio by enriching the mix, follow the instructions below.

1. Turn on the ignition key. Status LED will light up.
2. Crank the engine. CEL code should not be tripped.
3. Dial the screw# slowly counterclockwise. Drive the vehicle after each adjustment.
4. Continue adjustment steadily until signal related trouble code tripped again.
5. At this voltage you've reached the limit of enrichment. Dial the screw slightly clockwise. The typical voltage is yet accepted by the ECU is 0.75...0.8V.

HIGH NOTES

1. Make sure that the check engine light code refers to an oxygen sensor-related trouble code. Other DTC codes & readiness error cannot be remedied with the EZ CEL FIX..
2. In case of a persistent CEL, reset the ECU before readjustment.
3. On an OBD-II vehicle with a dual – upstream/downstream O2 sensor system, the EZ CEL FIX wires up to the post – aftercat – downstream sensor's harness.
4. Apply an ignition key activated 12V instead of a constant 12V to avoid battery drainage or simulator malfunction. Use 5A fuse.
5. This unit is not submersible.
6. This simulator is not intended to improve emissions ruined by any exhaust mod. It is solely designed to sort out the ECU safe mode. It will not allow you to retain factory emission levels. This unit tricks the ECU by delivering it a mimicked signal. It can't purify polluted exhaust gas electronically though. The catalytic converter is designed to do that physically. Although rectifying the ECU safe mode improves emissions, the original emissions can be kept by no means.
7. Never supply the module w/ a constant DC12V directly from the battery.
8. Please be aware of the bylaws & regulations, the O2 sensor eliminator is not street legal in some US states and countries.
9. Heater wires of the original sensor have to be left connected.
10. Heater related trouble codes are not treated by the EZ CEL Fix.
11. In case of a dual emissions control system (OBD-II), where the exhaust gas consistency is monitored through both up- and downstream sensors, the front sensor(s) have to work flawlessly. Please check them prior to installation.
12. A dual exhaust with two post oxygen sensors requires 2 units in case of decatting and 4 units if the aftermarket headers, downpipes or any malfunction ruins the signal of the upstream oxygen sensors.

COLOR RESPONSE on 4-wire sensor

Function	Simulator	Stock	Stock	Stock	Stock	Stock	Stock	Stock
signal	black	white	green	blue	purple	black	green	purple
ground	grey	green	yellow	white	tan	grey	white	white
heater	----------	black	black	black	brown	white	black	tan
heater	----------	black	black	black	brown	white	black	tan

COLOR RESPONSE on 3-wire sensor

Simulator's grey wire has to be grounded to engine frame or battery negative.

Function	Simulator	Stock	Stock	Stock	Stock
signal	black	white	green	blue	black
heater	----------	black	black	black	white
heater	----------	black	black	black	white

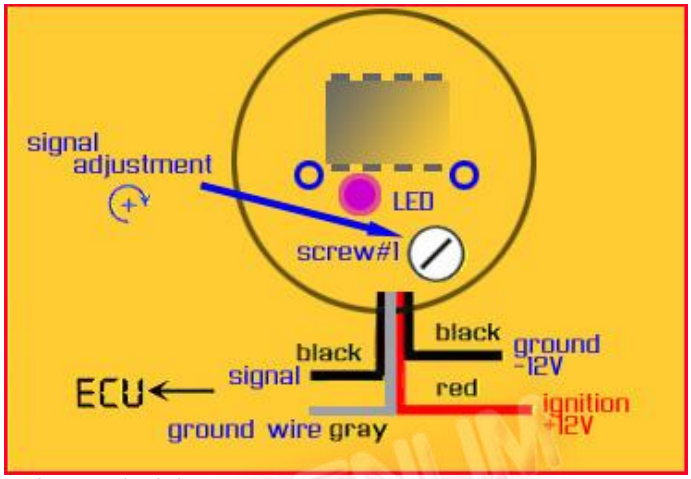
COLOR RESPONSE on 2-wire sensor - Simulator's white wires are not in use.

Function	Simulator	Stock	Stock	Stock	Stock
signal	black	white	blue	green	black
ground	grey	green	white	yellow	grey

COLOR RESPONSE on 1-wire sensor - Simulator's grey wire has to be grounded.

Function	Simulator	Stock	Stock	Stock	Stock
signal	black	white	blue	green	black

WIRING DIAGRAM



Should you come across any question, feel free to contact our online Technical Support seven days a week.