

Universal Oxygen / Lambda Sensor Installation Guide _ Heat Shrink Tube

NOTE: THE TIP OF THE NEW OXYGEN SENSOR MAY BE SLIGHTLY DISCOLORED DUE TO QUALITY TESTING FROM MANUFACTURER.

HANDLING:

- **DO NOT** DROP OXYGEN SENSOR. DROPPING OF SENSOR MAY CAUSE DAMAGE TO THE CERAMIC CELL HEAD.
- **DO NOT** USE IMPACT WRENCH OR CONVENTIONAL SOCKET TYPE WRENCH TO INSTALL SENSOR
- **DO NOT** ALLOW WIRES TO TOUCH EXHAUST MANIFOLD AND OTHER HOT COMPONENT
- **DO NOT** EXPOSE OXYGEN SENSOR TO WATER, OIL, WINDSHIELD CLEANER, ANTICORROSION OIL, GREASE, TERMINAL CLEANER, ETC.
- **DO NOT** USE LEADED FUELS, SILICONE OR MTAL BASED ADDITIVES.
- **DO NOT** STORE UNDER HIGH TEMPERATURE AND / OR HIGH HUMIDITY
- **FOR DIRECT FIT TYPE OXYGEN SENSOR:** Oxygen sensor may have a longer wire harness than the original. In this case, use wire tie to bundle and secure the excess wire harness.
 - Keep wire harness away from hot and dangerous location such as exhaust pipes, catalytic converters, belts, fans, etc.
 - Bundle the excess wire harness near the connector, not in the proximity of the sensor
 - Do not bundle or bent the wire where they attach to the sensor or the connector
 - Bundle the wire harness so that it matches the same length as the original
 - Use the wire tie to prevent the wire harness from hanging too low under the vehicle and to prevent the wire harness from swinging.
 - Pull the wire ties tight to prevent the wires from slipping. Cut off the loose ends of the wire ties.

NOTE: On some applications, the connector is secured by a bracket attached to the connector. This bracket must be re-used from the original sensor and reattach it to the new sensor.

UNIVERSAL TYPE OXGYEN SENSOR INSTALLATION INSTRUCTIONS:

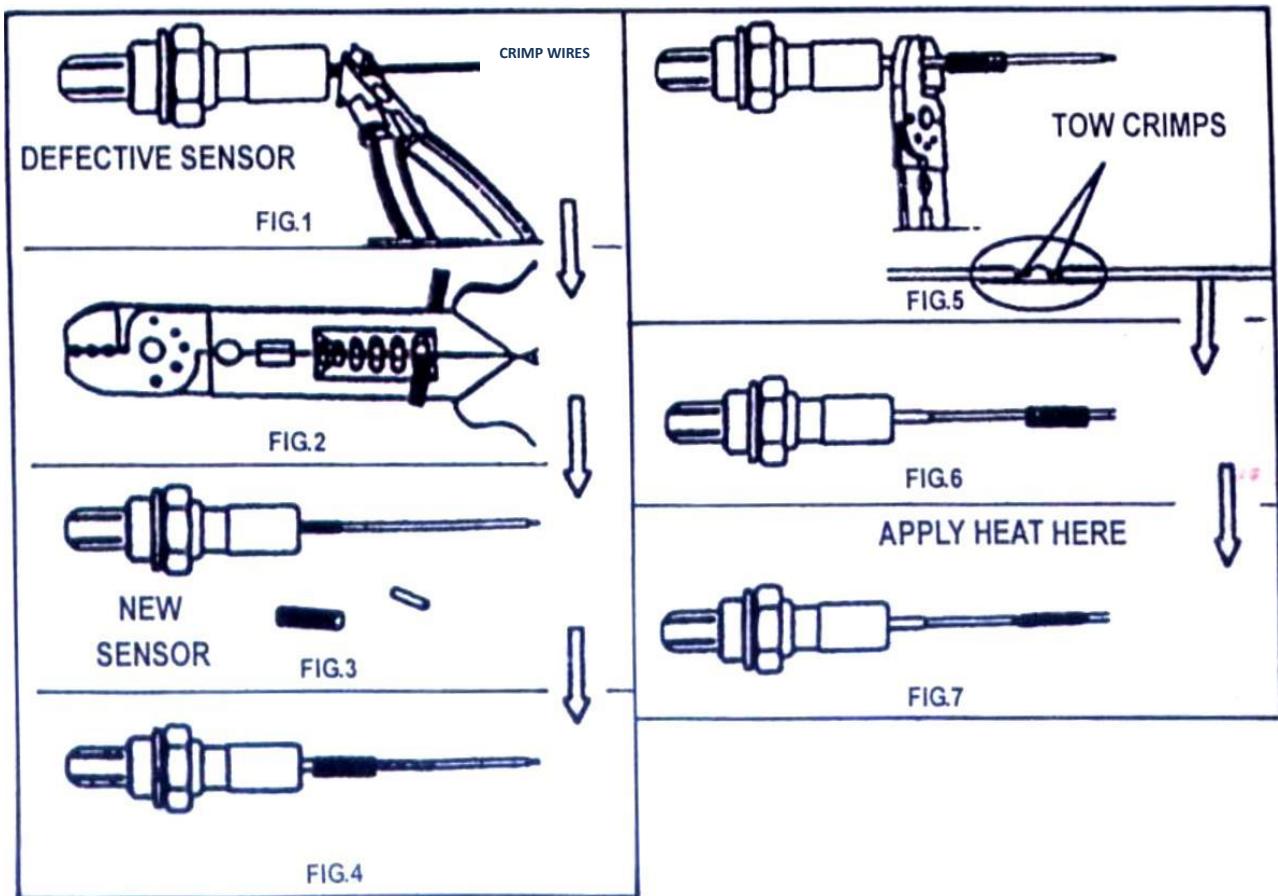
REMOVE DEFECTIVE OXYGEN SENSOR FROM VEHICLE.

1. CUT ORIGINAL SENSOR WIRES NEAR REMOVED SENSOR AS CLOSE AS POSSIBLE (SEE FIG. 1)
2. STRIP BACK 1/4" INSULATION FROM THE CONNECTOR LEAD WITH A WIRE STRIPPER. (SEE FIG 2)
CAUTION: PLEASE AVOID WIRES TO BE TOUCHED OTHER HEATING PARTS IN THE ENGINE ROOM.
IF NECESSARY, PLEASE CUT WIRE TO SUITABLE LENGTH OR CURVE WIRES AND MAKE THE CURVE WIRES FIXED IN SAFE CONDITION.
3. REMOVE NEW OXYGEN SENSOR, BUTT CONNECTOR AND SHRINK TUBE FROM PACKAGE SLIP
SHRINK TUBE OVER END OF SENSOR WIRE. (SEE FIG 3)
4. INSERT CONNECTOR AND SENSOR LEADS INTO THE BUTT CONNECTOR APROXIMATELY 1/4". (SEE FIG. 4) CRIMP EACH WIRE OF NEW O2 SENSOR INTO THE OTHER SIDE OF THE BUTT TYPE CONNECTOR. USE COLOR TO IDENTIFY WIRE PAIRING.

CAUTION: IF THE NEW SENSOR HAS DIFFERENT WIRE COLOR FROM THE ORIGINAL, PLEASE REFER TO CUSTOMER SERVICE OR OEM SERVICE MANUAL.

5. SLIDE SHRINK TUBE OVER WIRE CONNECTOR UNTIL CENTERED. (SEE FIG. 6)
6. SHRINK TUBE EVENLY OVER CONNECTOR USING A HOT AIR BLOWER OR LIGHTER. TAKING CARE NOT TO OVER HEAT OR BURN TUBING. (SEE FIG. 7).
7. THE NEW OXYGEN SENSOR MAY HAVE A RUBBER OR PLASTIC CAP OVER ITS THREAD AREA. REMOVE THE CAP BEFORE INSTALLING THE O₂ SENSOR.
NOTE: THE THREADS OF THE SENSOR OF THE OXYGEN SENSOR ARE COATED WITH A SPECIAL ANTI-SEIZE COMPOUND THAT ALLOWS FOR EASY REMOVAL. DO NOT REMOVE THIS COATING. ALSO TAKE CARE NOT TO GET ANY OF THIS ANTI-SEIZE COMPOUND ON THE SENSOR'S TIP OR DAMAGE TO THE SENSOR MAY OCCUR.

WARNING: ANTI-SEIZE COMPOUND MAY CAUSE IRRITATION TO SKINS OR EYES. IN CASE OF CONTACT, RINSE WITH SOAP AND WATER. IF IRRITATION PERSISTS, CONTACT YOUR PHYSICIAN IMMEDIATELY.





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8. INSTALL THE NEW O2 SENSOR INTO ITS LOCATION AND TIGHTEN TO THE PROPER TORQUE LISTED IN THE SERVICE MANUAL FOR YOUR VEHICLE.
9. FLANGED APPLICATION
 - WHERE FLANGE IS NOT ALREADY INSTALLED ON SENSOR, INSTALL FLANGE TO EXHAUST MANIFOLD FIRST, THEN MOUNT SENSOR IN FLANGE.
 - WHERE FLANGE IS ALREADY INSTALLED ON SENSOR, IT IS IMPORTANT TO USE THE SUPPLIED GASKET BEFORE INSTALLING SENSOR.
10. RECONNECT THE SENSOR'S ELECTRICAL CONNECTOR.
11. FOLLOWING THE PROCEDURES OUTLINED IN THE SERVICE MANUAL FOR YOUR VEHICLE, CLEAR ANY CODES THAT MAY HAVE BEEN SET.