

Vandagraph

Replacement of the Expedition Oxygen sensor Using Vandagraph R-22AEX



- 1) Remove the rear cover by undoing the 4 screws.
- 2) Disconnect the battery
- 3) Carefully withdraw the sensor connector lead from the sensor



- 4) Unscrew the Sensor from the case. The sensor may be tight due to the sealing O ring and a tool such as a pair of large pliers or grip may be required to rotate the sensor.
- 5) Position the new sensor inside the case with the screw thread aligned with the hole in the case. Gently screw the sensor into the hole taking care not to cross thread. The sensor thread is plastic and fine so can be easily damaged. When the thread is finger tight the sensor can be gripped carefully with a tool and tightened gently just enough to compress the O ring seal. Over tightening can damage either the thread or the O ring
- 6) Replace the sensor connector, which can only be fitted one way. Ensure the connector is fully mated.
- 7) Replace the battery
- 8) Carry out the calibration in dry outdoor air. 100% Oxygen check should be carried out periodically
- 9) Replace the rear panel taking care not to over tighten the screws
- 10) Calibrate the outer calibration control to 20.9%.



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