MIL Eliminator Installation Instructions

PRRT

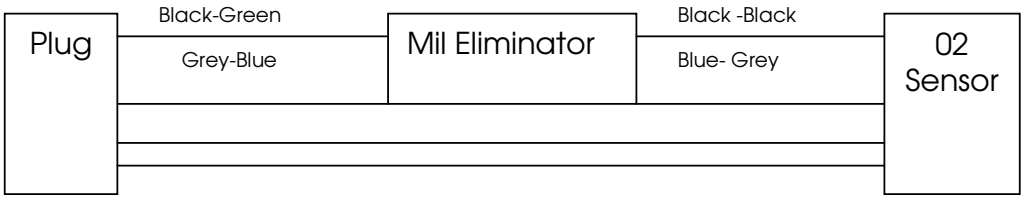
Remove the second O2 sensor from the exhaust (this is the second one between the Catalytic converter and the silencer).

At the plug end of the O2 sensor, pull back the sleeve to reveal the 4 wires, cut enough back to be able to splice in the MIL eliminator.

Cut the black and grey wires, DO NOT cut the two white wires.

Splice the MIL Eliminator between the cut's you have made follows:

From the plug end, connect the black wire of the plug to the green wire on the Mil Eliminator
From the plug end, connect the grey wire of the plug to the blue wire on the Mil Eliminator
From the O2 end, connect the black wire of the O2 sensor to the black wire on the Mil Eliminator
From the O2 end, connect the grey wire of the O2 sensor to the blue wire on the Mil Eliminator



Use some protective tape to tightly wrap the spliced assembly together, make sure you DO NOT bend the Mil Eliminator.

NB* keep the eliminator protected under heatshield.
Re-install the O2 sensor.

How it works

The Mil eliminator is just a few capacitors and resistors and is installed in the wiring of the second sensor.

If you remove the cat and change nothing else then the send sensor starts to show exactly the same signal as the first one (BTW only the first once is used to adjust the mixture). This is detected by the ECU (under some specific circumstances) and it can trigger the MIL.

The processes inside the cat will store and release oxygen, just like a capacitor stores and releases electric charge. If you look at the signal from the second sensor with the cat installed you'll see a gentle rise and fall of the voltage as you press and release the throttle.

What the Mil-eliminator does, without the cat is take the signal from the second sensor (which is now a ½ to 1 Hz signal alternating between 0 and 1V just like the first sensor) and 'smoothing' it out.

The charging and discharging effect of the capacitor on the signal sent to the ECU look roughly the same as the signal the sensor produces when a cat is present and is hopefully enough to fool the ECU in thinking a cat is present.