

For Alternate Fuels

Addendum

TO CHRYSLER INTEGRATED PROCESSOR™ PN 5930

APPLICATION

This addendum is for installations of the *Chrysler Integrated Processor* on 1996 Full Size Pickup Trucks and Vans and Dakota Pickups.



NOTE: These installations also REQUIRE the use of the *Chrysler OBD II Injector Module™ PN 4126*.

OVERVIEW

You should follow the Installation Instructions for the **PN 5930 EXCEPT** for Steps 2-8 under "**WIRING THE UNIT**" on page 7 and 8 of the Instructions. Before proceeding with the installation, it might be helpful to mark out those steps in the main Instructions so as to avoid any possible confusion.



NOTE: This addendum calls for making all wire connections at the Powertrain Control Module (PCM) connector of the factory computer. On Dakota pickups, the computer is located on the driver's side fenderwell. On full size pickups and vans, it is located on the passenger side firewall. After locating the computer, observe that it has three connectors, a BLACK, a WHITE and a GRAY. You will be working with the BLACK PCM connector. Unplug the connector and begin to substitute the instructions in this addendum beginning with **Step 2** on page 7 of the **PN 5930** Instructions



NOTE: Use a DVOM to check for continuity between the Pin number and wire color listed BEFORE cutting or soldering.

STEP 2: YELLOW AND LIGHT GREEN WIRES - CONNECTING THE MAP SENSOR

Take the Yellow and LIGHT GREEN wires located in the same sleeving as the BLACK wire on the **PN 5930** harness. Locate the Manifold Absolute Pressure (MAP) sensor wire at PIN 27 of the BLACK PCM connector. It is DARK GREEN with a RED trace. Cut this wire and connect the LIGHT GREEN wire from the **PN 5930** to the computer side of the cut. Connect the YELLOW wire from the **PN 5930** to the sensor side of the cut.

See Figure 1 in this addendum

STEP 3: BLACK WIRE - CONNECTING THE UNIT GROUND

Take the BLACK wire which is sleeved together with the YELLOW and LIGHT GREEN wires which you have just connected. Locate the factory Sensor Return

(ground) wire on PIN 4 of the connector. It is BLACK with a LIGHT BLUE trace. Connect the BLACK wire from the **PN 5930** to this wire.

See Figure 1 in this addendum

STEP 4: WHITE AND BROWN WIRES - CONNECTING THE ECT SENSOR

Take the WHITE and BROWN wires which are in the same sleeving on the **PN 5930** harness. Locate the Engine Coolant Temperature (ECT) sensor input at PIN 16 of the connector. It is TAN with a BLACK trace. Cut this wire and connect the BROWN wire from the **PN 5930** to the computer side of the cut. Connect the WHITE wire from the **PN 5930** to the sensor side of the cut.

See Figure 1 in this addendum

STEP 5: BLUE WIRE - CONNECTING THE FUEL SELECTOR SWITCH

Take the single BLUE wire from the **PN 5930** harness and run it through the vehicle's firewall to the fuel selector switch. Connect it to the switch in such a way that it receives +12V in alternate fuel operation and -0-V in gasoline operation. On dedicated alternate fuel conversions, this BLUE wire should be connected to any keyed +12V source which is not affected by cranking.

STEP 6: GRAY WIRE - CONNECTING THE THROTTLE POSITION SENSOR

Take the single GRAY wire from the **PN 5930** harness. Locate the Throttle Position Sensor (TPS) wire at PIN 23 of the PCM connector. It is ORANGE with a DARK BLUE trace. Connect the GRAY wire from the **PN 5930** to this wire.

See Figure 1 in this addendum

STEP 7:

Follow the regular **PN 5930** Installation Instructions

STEP 8: VIOLET WIRE - CONNECTING THE OXYGEN SENSOR SIGNAL

Take the single VIOLET wire from the **PN 5930** harness. Locate the oxygen sensor signal wire at PIN 24 of the PCM connector. It is TAN with a WHITE trace. Connect the VIOLET wire from the **PN 5930** to this wire.

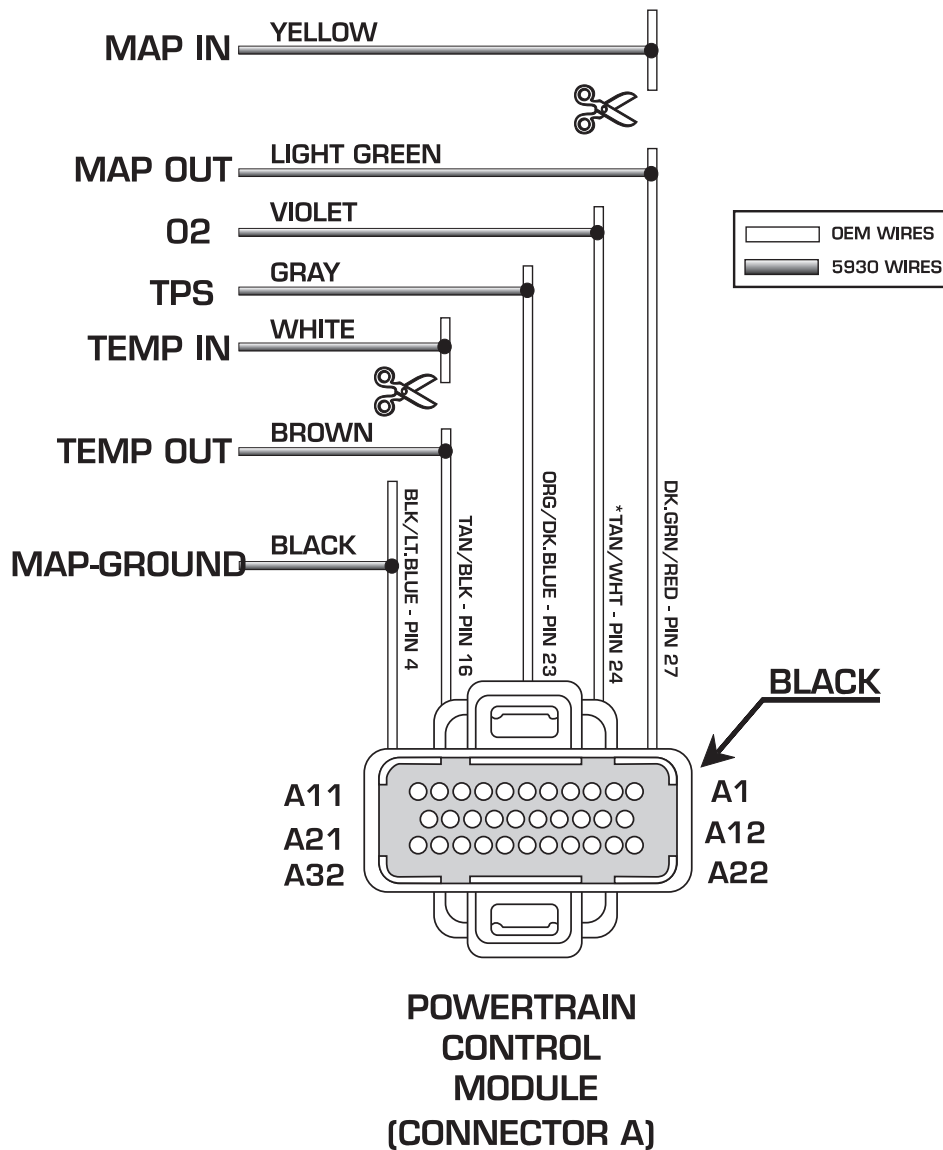


NOTE: On heavy duty trucks, the wire on PIN 24 is BLACK with a DARK GREEN trace.

See Figure 1 in this addendum

5930 Wiring Diagram for '96 OBD II 5.2 & 5.9L TRUCKS

1. Locate the OEM computer under the hood on the passenger side firewall.
2. Connect unit wires as per wiring illustration below.



O2 PIN 24 * BLK/DK. GREEN ON HEAVY DUTY

TECH TIPS: CHECK FOR CONTINUITY FROM PIN WIRING BEFORE SOLDERING

CONNECTOR	PIN NUMBER	OEM WIRE COLOR	PN 5930 WIRE COLOR	FUNCTION
BLACK	27	DK GREEN/RED	LT GREEN COMPUTER SIDE/ YELLOW SENSOR SIDE	MAP SIGNAL
BLACK	4	BLACK/LT BLUE	BLACK	UNIT GROUND
BLACK	16	TAN/BLACK	BROWN-COMPUTOR SIDE WHITE-SENSOR SIDE	ECT SIGNAL
BLACK	23	ORANGE/DK BLUE	GRAY	THROTTLE POSITION
BLACK	24	TAN/WHITE FOR HEAVY DUTY BLACK/DK GREEN	VIOLET	OXYGEN SENSOR SIGNAL

TECH TIP: If you need to check engine trouble codes, use the method described on page 9 of the **PN 5930** Instructions. It is more reliable than using a scan tool. If you have any questions or problems with your installation, you can fax them to us at (915) 855-9847.

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Limited Warranty

Autotronic Controls Corporation warrants this product to be free from defects in material and workmanship under normal use and if properly installed for a period of one year from date of purchase. If found to be defective as mentioned above, it will be replaced or repaired if returned prepaid along with proof of date of purchase. This shall constitute the sole remedy of the purchaser and the sole liability of Autotronic Controls Corporation. To the extent permitted by law, the foregoing is exclusive and in lieu of all other warranties or representations whether expressed or implied, including any implied warranty of merchantability or fitness. In no event shall Autotronic Controls Corporation be liable for special or consequential damages.