AIM2® Power Filter Installation

Description

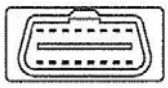
Power filters have been developed as potential solutions for problems resulting from the installation of AIM2 modules in vehicles with OBD connectors. Some examples of problems which have surfaced include incorrect tire pressure warnings, electric door lock issues, and FM and CB radio noise.

Figure 1. 941B0445 AIM2 Power Filter

The power filters have evolved, and will continue to evolve. The current production power filter contains the latest design as well as the design features of earlier power filters. Power filter 941B0445 (drawing number 941B0445-10, with 4 wires to the connector) was superseded by 941B0445C (drawing number 941B0445-30, with 6 wires to the connector). Where 941B0445 (Figure 1) was for light duty vehicles only, 941B0445C is for both light and heavy-duty vehicles. Light duty, by our definition, includes passenger cars and light trucks which use the 16-pin “trapezoid-shaped” OBD connector. Light duty, for the purposes of the power filters, is further narrowed to CAN (controller-area network) vehicles. This includes all 2008 and later light duty vehicles plus some specific vehicle models produced between 2004 and 2008. A listing of these vehicles is available from Syntech’s Customer Satisfaction Center at 800-888-9136, Ext. 2. Heavy duty includes larger trucks which use a 6 or 9-pin “round” OBD connector. See Figure 2 for illustrations of the OBD connector types.

The 941B0445C AIM2 Power Filter has been superseded by the 941B0445F. The 941B0445F has additional design features for better filtering of CB radio noise. Like the 941B0445C, this filter may also be used with both light and heavy-duty vehicles in all applications where the 6 wire 941B0445C was previously used. As methods to improve the power filter evolve, so too will its design. Newer versions of the power filter will be distributed as they become available. This product bulletin will not be updated unless warranted by new design features or applications.

If a vehicle is experiencing problems with tire pressure warnings, door lock issues, or FM or CB radio noise, and fits the description provided in the paragraph above, an AIM2™ power filter may remedy the problem.



Light Duty
"Trapezoid"
Connector

Heavy Duty
J1708
"Round"
Connector

Heavy Duty
J1939
"Round"
Connector

Figure 2. OBD Connector Types

Perform the following to install the AIM2 Power Filter:

NOTE	If an AIM2 Time Delay Relay is installed, install the AIM2 Power Filter between the AIM2 module and the AIM2 Time Delay Relay 941B0447 harness male connector.

1. Disconnect the OBD-to-AIM2 cable from the AIM2™ module.
2. Plug the OBD-to-AIM2 male cable connector into the female end of the AIM2™ Power Filter.
3. Plug the male end of the AIM2 Power Filter into the AIM2™ module.
4. Test the connections. Turn the ignition switch on. The AIM2 module amber Heatbeat LED should be flashing, and the yellow OBD/Speed Sensor LED should illuminate. If the yellow OBD/Speed Sensor LED does not illuminate, the AIM2 Power Filter cannot be used on this vehicle.
5. Start the vehicle and check for the presence of the issue which justified the AIM2 Power Filter installation. If the issue has been resolved, no further action is required. If the issue has not been resolved, call Syntech's Customer Satisfaction at 800-888-9136, Ext. 2 for assistance.

TIP	If any questions arise, contact Syntech Systems, Inc.'s Customer Satisfaction Center (CSC) at 1-800-888-9136, ext. 2, or email support@myfuelmaster.com.