Force OBD Ignition Off Silence (FOIOS) for FM*Live*

Introduction

Setting the FOIOS option may address any of the following symptoms encountered as a result of AIM installation:

- Battery drain
- Dash lights on after engine is off
- Security issue preventing engine start and/or generating trouble codes

> ***NOTE*** If your vehicle (e.g., 2010-2012 Ford Fusion Hybrid) won't start due to security issue, see Clearing Problem at the end of this product bulletin.

Requirements

- AIM2.4 firmware v2.08 or later or AIM Titanium
- Wakeup Wire Assembly 941B0505 (for AIM2.4s, hybrids, and AIM Titaniums prior to v3.26)

> ***NOTE*** The 941B0505 wake-up wire must be connected to a source providing 4 to 42VDC for AIM2 and AIM 2.4 and 8 to 28VDC for AIM Titanium for a wake-up signal to the AIM module. This source must drop off to 2 VDC or less to permit the module to go to sleep.

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FM*Live* (all versions)	Enable FOIOS in FM*Live*
AIM2.4s, all hybrids, and all AIM Titaniums prior to v3.26	Install Wakeup Wire Assembly
For vehicles that will not start	Clearing Problem

Enable FOIOS in FM*Live*

Assumptions

This tutorial assumes

- You have navigated to Management > Equipment > {Equipment Record} > AIM Configuration > Edit
- You have added Equipment with 'Authorized Equipment' checked
- You have added AIM to Equipment
- You will add a Wakeup Wire Assembly before the AIM is programmed if the AIM type/version requires it
- You are a
  - System Administrator *or*
  - Fleet Manager

1. Tick the FOIOS checkbox (Figure 1). Once the ignition is off, the AIM will no longer send OBD requests.

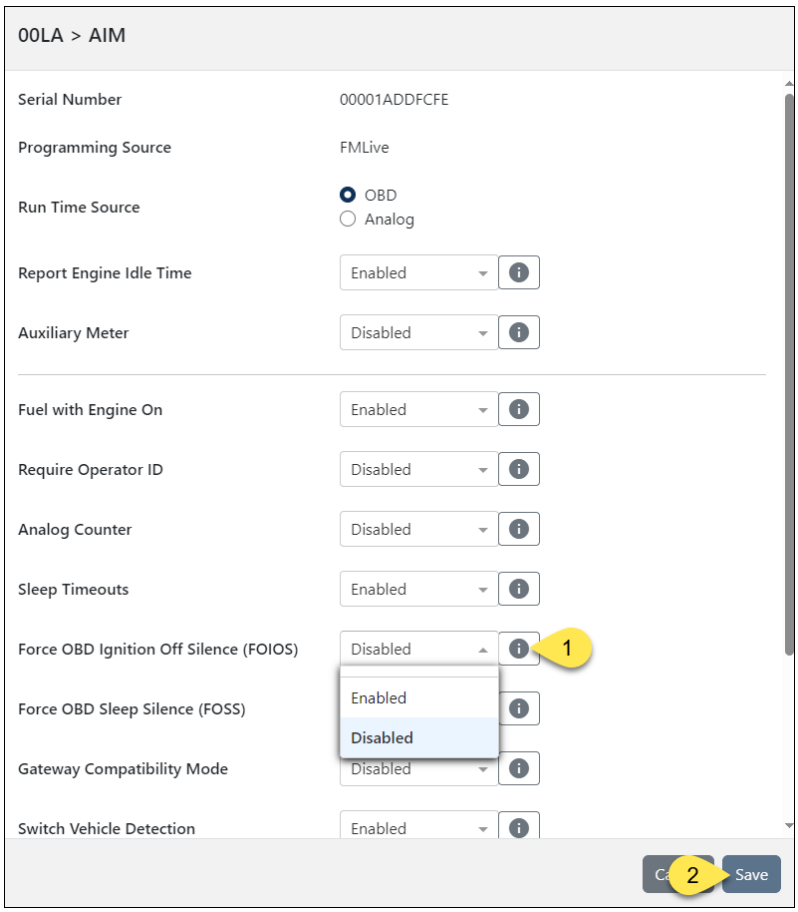

Figure 1

2. Select **Save**. The option will be set on the AIM the next time it is programmed via the front panel or auto record update.

Install Wakeup Wire Assembly on Hybrid Vehicles, AIM2.4s and AIM Titaniums prior to v3.26

NOTE The 941B0505 wake-up wire must be connected to a source providing 4 to 42VDC for AIM2 and AIM 2.4 and 8 to 28VDC for AIM Titanium for a wake-up signal to the AIM module. This source must drop off to 2 VDC or less to permit the module to go to sleep.

1. With the vehicle engine running and the wake-up wire (Figure 2) disconnected, connect the OBD Pass-Through Cable AIM connector (Figure 3) to the AIM OBD port (Figure 4 or 5).

Figure 2 Wakeup Wire Assembly

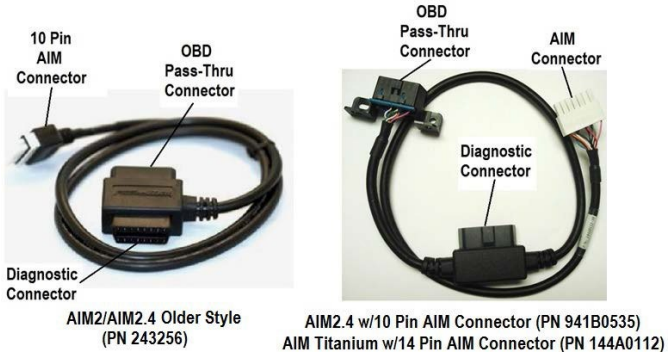

Figure 3 OBD Pass-Through Cable AIM connector

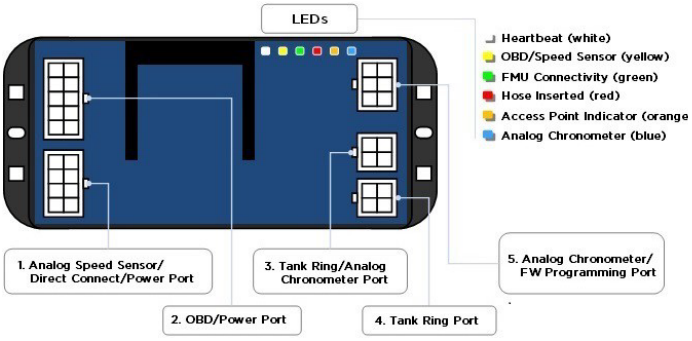

Figure 4 AIM2.4

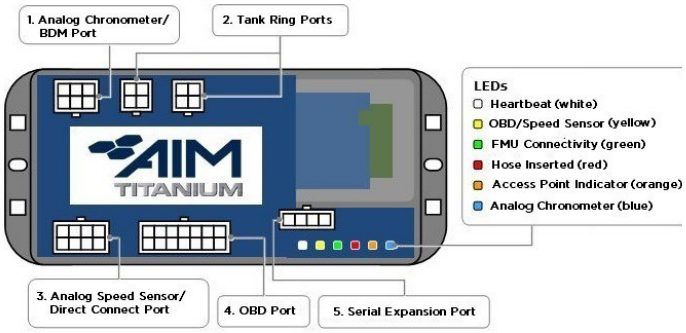

Figure 5 AIM Titanium

2. Wait for the AIM yellow LED to stop flashing and illuminate solid indicating the AIM has selected an OBD interface.
3. Turn the vehicle off.
4. Connect the wake-up wire 8 pin connector (Figure 2) to the AIM Analog Speed Sensor port (Figure 4 or 5) and the wire to a power source that has battery voltage when the ignition is turned to Accessory and 0 volts when the ignition switch is turned off.
5. Turn the vehicle on, and verify the AIM connects to the vehicle via OBD (yellow LED illuminates).

Clearing Problem

If the vehicle won't start due to a security issue, use this temporary fix.

1. Remove vehicle power by disconnecting one battery terminal. Most manufacturers recommend disconnecting the negative terminal.
2. After approximately 30 seconds, reconnect the battery. The vehicle should become drivable again.

NOTE	This fix may be required after each time the ignition key is turned off or removed if FOIOS is not set.

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.

Change Log

Date	Notes
10/12/2023	Initial release of document.