

# AIM2<sup>®</sup> Stealth Blade External Antenna Installation

The Stealth Blade external antenna (Syntech part number 252816) is an easy to install solution for AIM2 installations where RF communications are not satisfactory with an internal antenna. The antenna has an adhesive backing for mounting on the inside of a front or rear windshield. It has an SMA connector compatible with the external antenna connector on the AIM2 module, and a 10-foot antenna cable to add flexibility to antenna installations (Figure 1).

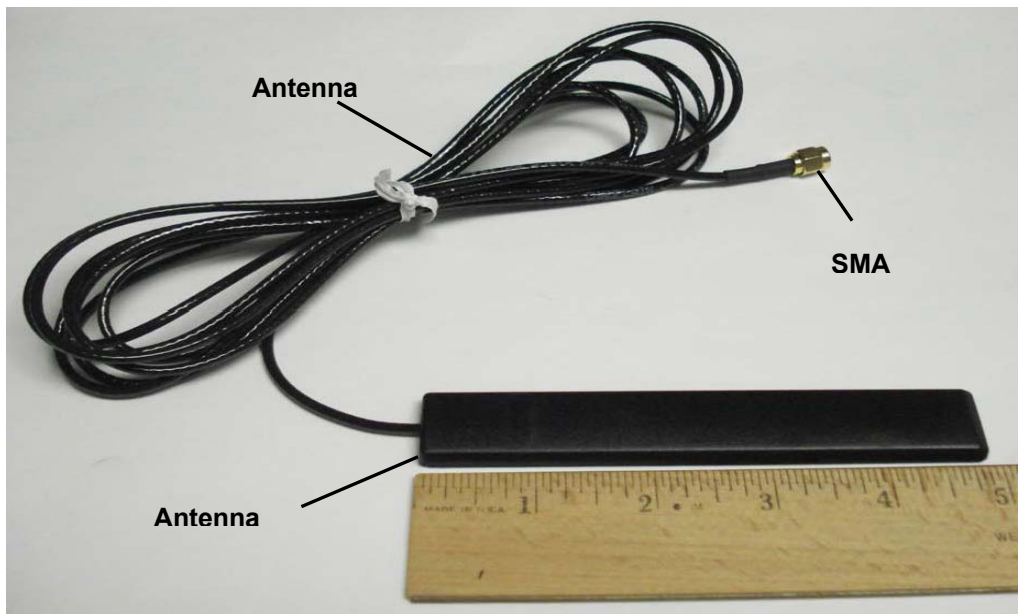


Figure 1. Stealth Blade External AIM2™ Antenna

The Stealth Blade external antenna must be used in conjunction with a 941B0420B AIM2 module. This module has no internal antenna. The 941B0420A AIM2 module has an internal antenna, but no external antenna connector (Figure 2).

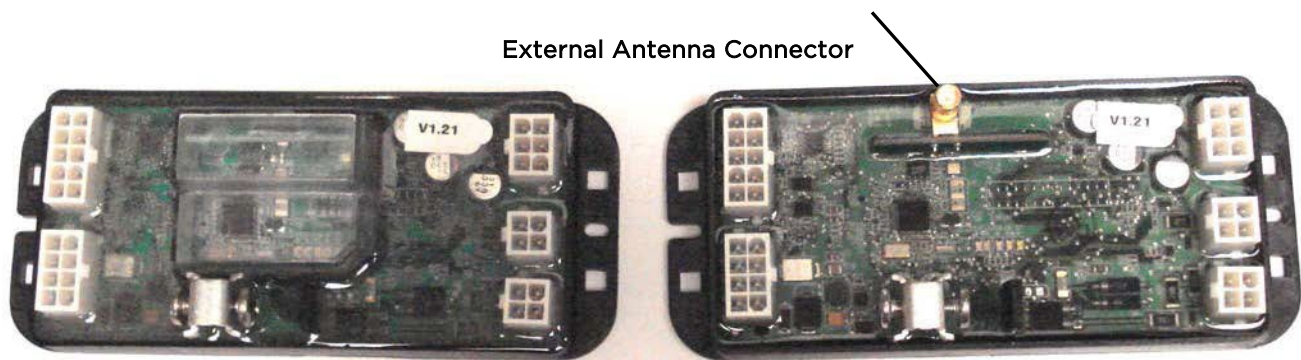


Figure 2. AIM2 Module Differences

1. Verify a 941B0420B AIM2 module is available and installed for making the external antenna connection.
2. Find a suitable mount location for the antenna. A location high on the front or rear windshield is recommended. Do not obstruct the driver's view. The antenna cannot be installed on a surface that will not allow RF energy to pass through. Note the antenna is supplied with a 10-foot cable, and must be connected to the external antenna connector of the 941B0420B AIM2 module.
3. Clean the mounting surface thoroughly with alcohol before installation.
4. Peel the backing from the adhesive side of the antenna.
5. Place the adhesive side of the antenna against the selected mounting location.
6. Route the antenna cable to the AIM2 module and connect to the external antenna connector.
7. Test as follows:

**NOTE** The 941B0420B module cannot be fully tested for satisfactory operation until an antenna is connected. Steps 7a through 7d, below, may have been tested after module installation. If previously tested, omit the re-test and perform only steps 7e and 7f.

- a. (OBD) Turn the vehicle ignition switch on. The amber Heartbeat LED should start pulsing, and the yellow OBD/Speed Sensor LED should illuminate.
- b. (Analog) Drive the vehicle. The yellow OBD/Speed Sensor LED should illuminate.
- c. Position a Programming Hose Tag (PHT) over the filler neck ring. Check the red Hose Inserted LED illuminates.
- d. Remove the PHT. Check the red Hose Inserted LED goes out.
- e. Move the vehicle within RF range of an FMU-3500 or FMU-3500 Programmer. Position a nozzle tag over the filler neck ring. The green FMU Connect LED should illuminate. If the green LED is blinking, the AIM2 is recognizing the FMU, but cannot connect.
- f. When the green and red LEDs can illuminate, the AIM2 module is communicating with the FMU and is ready to be programmed.

**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](mailto:support@myfuelmaster.com).