

# Instruction Manual



## *AEMnet Harness for Wideband Failsafe* **30-3439**



### **STOP!**

**THIS PRODUCT HAS LEGAL RESTRICTIONS.**  
**READ THIS BEFORE INSTALLING/USING!**

**WARNING!** THIS IS A RACE ONLY PRODUCT MANUFACTURED AND SOLD FOR INSTALLATION ON VEHICLES DESIGNED TO BE USED SOLELY FOR COMPETITION PURPOSES. ONCE THIS PART IS INSTALLED, THE VEHICLE MAY NEVER BE USED, OR REGISTERED OR LICENSED FOR USE, ON A PUBLIC ROAD OR HIGHWAY. IF YOU INSTALL THIS PART ON YOUR VEHICLE AND USE THE VEHICLE ON A PUBLIC ROAD OR HIGHWAY, YOU WILL VIOLATE THE CLEAN AIR ACT AND MAY BE SUBJECT TO PERSONAL CIVIL OR CRIMINAL LIABILITY, INCLUDING FINES OF UP TO \$4,819 PER DAY.

IT IS THE RESPONSIBILITY OF THE INSTALLER AND/OR USER OF THIS PRODUCT TO ENSURE THAT IT IS USED IN COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. IF THIS PRODUCT WAS PURCHASED IN ERROR, DO NOT INSTALL AND/OR USE IT. THE PURCHASER MUST ARRANGE TO RETURN THE PRODUCT FOR A FULL REFUND.

THIS POLICY ONLY APPLIES TO INSTALLERS AND/OR USERS WHO ARE LOCATED IN THE UNITED STATES; HOWEVER CUSTOMERS WHO RESIDE IN OTHER COUNTRIES SHOULD ACT IN ACCORDANCE WITH THEIR LOCAL LAWS AND REGULATIONS.

### **WARNING!**

**Improper installation and/or adjustment of this product can result in major engine/vehicle damage. For technical assistance visit our dealer locator to find a professional installer/tuner near you.**

**Note: AEM holds no responsibility for any engine damage or personal injury that results from the misuse of this product, including but not limited to injury or death.**

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## 30-3439 AEMnet HARNESS INSTALLATION INSTRUCTIONS

### Overview

The following instructions describe the proper installation of the AEMnet Harness (30-3439), which is used to connect the Wideband Failsafe AEMnet communication lines to a second (or multiple) AEMnet device(s).

### Included Items

Item #	Description	Req. Quantity
30-3439	AEMnet Harness for Wideband Failsafe	1

### Steps

1. Step 1 is Optional -  
Disconnect the Wideband Failsafe 16-pin harness connector from the Wideband Failsafe gauge. The harness connector has a latch on the bottom side that needs to be squeezed as the connector is lightly freed from the gauge. Refer to Figure 1 below.



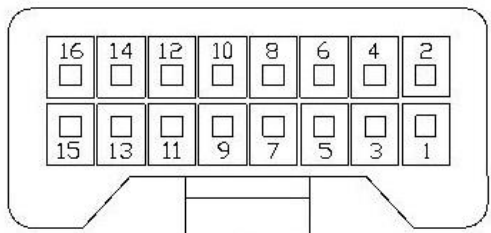
Figure 1

## 30-3439 AEMnet HARNESS INSTALLATION INSTRUCTIONS

- Locate the green and white pre-crimped terminals on the end of the AEMnet Harness. Figure 2 below shows the Wideband Failsafe connector and pinout including the green and white leads from the AEMnet harness.

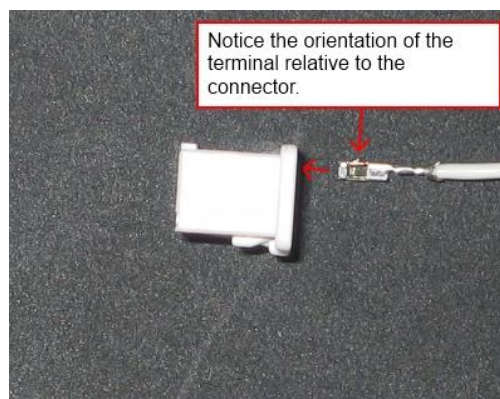
PIN	WIRE COLOR	FUNCTION	TERMINAL TYPE
1	BLACK		
2	RED		
3	BLACK		
4	N/A		
5	RED		
6	GREEN		
7	BLUE		
8	WHITE		
9	GREEN		
10	GRAY		
11	N/A		
12	GREEN	AEMnet -	SPUD-001T-P0.5
13	WHITE	AEMnet +	SPUD-001T-P0.5
14	BROWN		
15	WHITE		
16	YELLOW		

WBFS 16-Pin Harness Connector (Wire Side)



**Figure 2**

- Before inserting the terminals into the connector, refer to Figure 3 to be sure that the locking mechanism on the terminals is positioned properly in the connector.



**Figure 3**

## 30-3439 AEMnet HARNESS INSTALLATION INSTRUCTIONS

4. Insert the AEMnet+ terminal (white wire) into the available Pin 13 on the Wideband Failsafe connector. Push the wire in until the locking mechanism on the terminal and connector lock into place. Pull lightly on the white wire to confirm the locking mechanism has latched. Figure 4 below shows the correct placement of the AEMnet+ terminal.



Figure 4

5. Insert the AEMnet- terminal (green wire) into the available Pin 12 on the Wideband Failsafe connector. Push the wire in until the locking mechanism on the terminal and connector lock into place. Pull lightly on the green wire to confirm the locking mechanism has latched. Figure 5 below shows the correct placement of the AEMnet- terminal.



Figure 5



## **30-3439 AEMnet HARNESS INSTALLATION INSTRUCTIONS**

6. Reconnect the Wideband Failsafe 16-pin connector to the gauge if it was disconnected in Step 1.
7. Connect the Deutsch connector on the opposite end of the AEMnet harness to a mating Deutsch connector on a second device with AEMnet capabilities. The AEMnet harness includes a male and female Deutsch connector, allowing AEMnet devices to be daisy-chained together.