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.

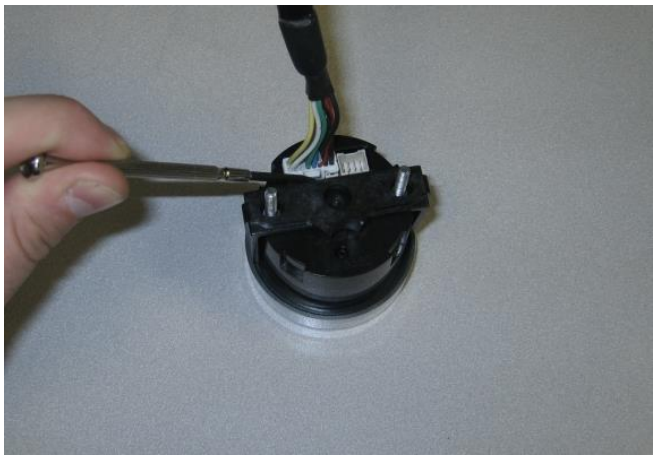

Figure 1

2. 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		

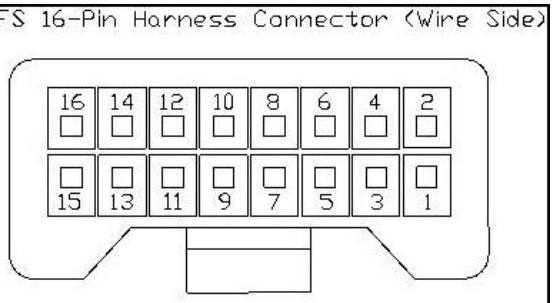

Figure 2

3. 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.

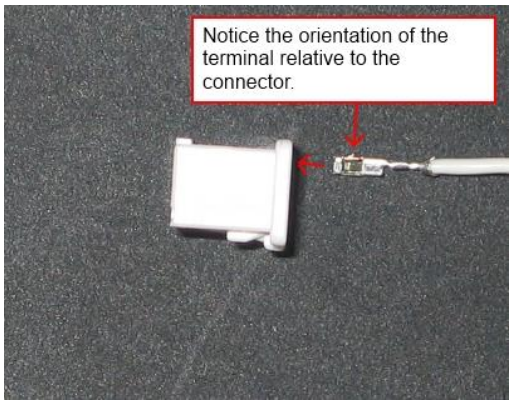

Figure 3

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.

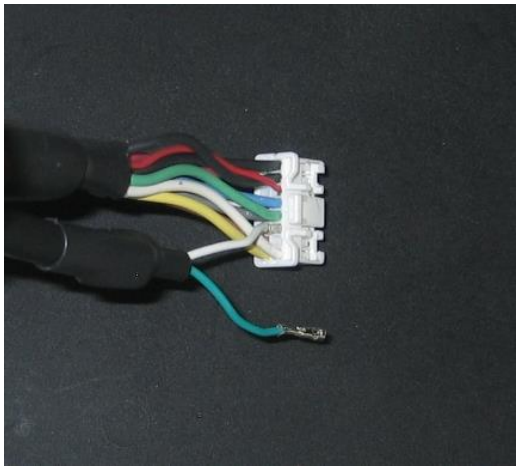

Figure 4

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.

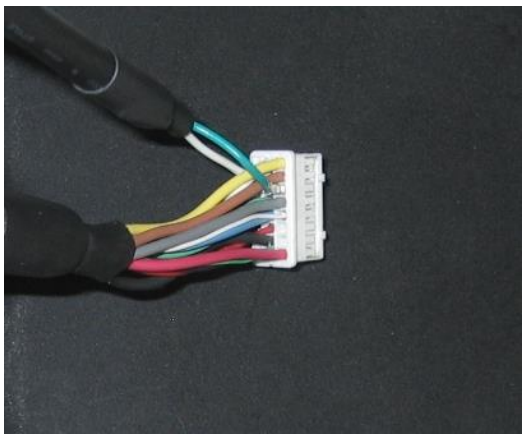

Figure 5

6. Reconnect the Wideband Failsafe 16-pin connecter 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.