



# MIDWEST FIRE

## Technical Service Bulletin

**Group:**  
Service Campaign

**Number:**  
0001

**Date:**  
June 2017

**Model(s):**  
'14-'17 AP Series

### Subject:

Chassis J1939 Can Bus to Class 1 ES-Key System Connection

**Description:** This bulletin describes the procedure to add in the Can Bus wye kit to the connection point from the chassis can bus system port and the ES-Key connection.


### Applicable Vehicles:

Freightliner All-Poly Series Pumper Tankers with Class 1 ES-Key Multiplexing Systems

### Parts Required:

Part Name	Part Number	Qty
J1939 Wye and Jumper + Terminating Resistor	A06-37868-000, 23-13303-900	1
		
Zipties		3-5

### Tools Required:

Part Name	Part Number	Qty
Sidecutter		1

### Before Starting:

Make sure that the vehicle is keyed off and master power is turned off. Do not turn power back on during installation of wye connector.

**Subject:** Chassis J1939 Can Bus to Class 1 ES-Key System Connection

**Service Procedure:**

1.) Locate the tap point. This is located between the frame and the transmission, above the rear, front spring shackle. The tap point is a 2 Pin Deutsch Connector, the male side coming out of the factory harness, (which is the fabric tape wrapped section) and the female side coming from the rear of the truck, (which is the blue cable inside of the corrugated wire loom.) Some zipties may have to be removed to locate this tap. Figure 1

Figure 1



2.) Unhook the tap point by depressing the tab on the back of the male connector. Figure 2 After depressing the tab, pull the connectors apart. Figure 3

Figure 2



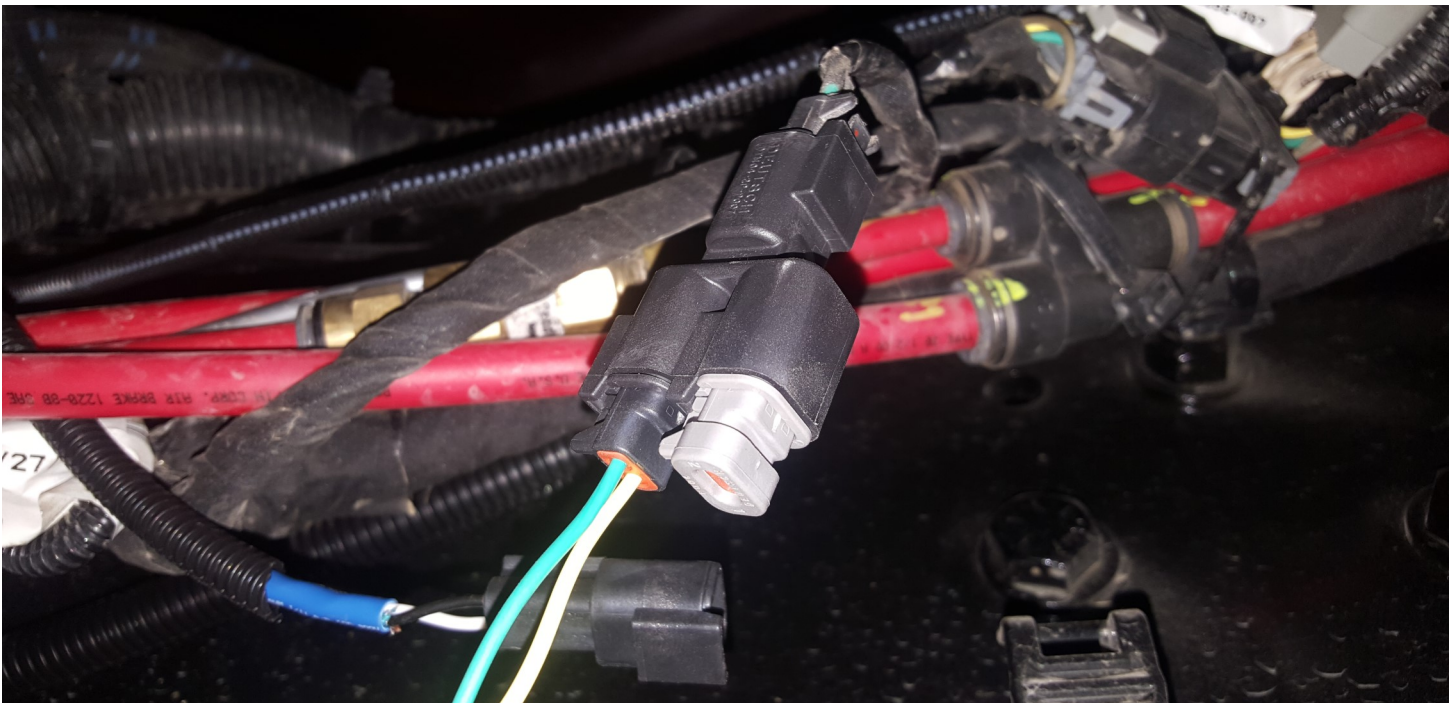
Figure 3



### Service Procedure:

3.) After unhooking the connector, install the open female port on the wye connector to the chassis male connector. Push until an audible “click” is heard. Pull connectors apart to ensure the connector is engaged.

Figure 4



4.) Hook the male jumper from the wye connector into the female connector from the ES-Key side of the system. Figure 5



**Subject:** Chassis J1939 Can Bus to Class 1 ES-Key System Connection

## Service Procedure:

5.) Once finished, tie the harness back up upon itself, using zipties furnished in the kit. Cut off excess ties.

Figure 6

Figure 6

