

**Installation Guide**  
**Strobe Connector Replacement Guide**  
**Level 3 Vehicles**

**OBJECTIVE:**

The reason for the replacements are that the original connectors are not water proof and the corrosion resulting from water and ice getting into the connectors is causing the strobes to short out.

**“Before proceeding with the job you must check each strobe and note whether it’s working or not. If they are not working it must be noted on the check off sheet.”**

**Description of Instructions**

These instructions describe the installation of the Whelen Receptacle (W441D) and Plug (W442D) in Level 3 vehicles in the field.

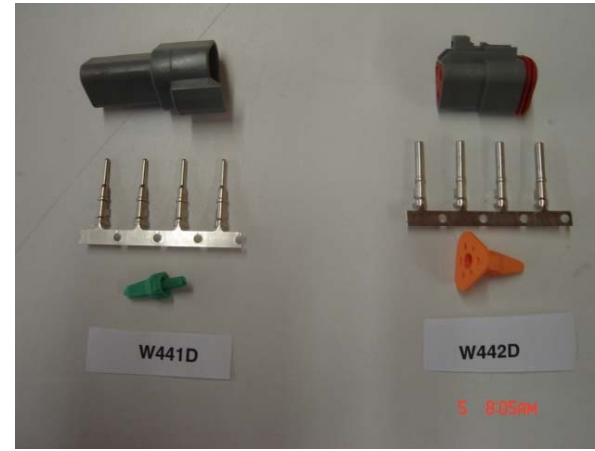
**VIDEO’S AVAILABLE:** Three video’s are available on the AMFS web page. Go to [www.ammfleetsolutions.com](http://www.ammfleetsolutions.com) and click on the link on the lower right hand side of the web page labeled **Level III Technical Information**. This link will take you to three video’s: **Video 1, Headlight Removal Procedure**

**Video 2, Connector Replacement Procedure**

**Video 3, Connector Replacement Procedure**

A quick review of these video’s will help minimize your time at the vehicle trying to figure out how to remove the headlights.

**“\*\*\*\*\*WARNING\*\*\*\*\*Make sure no power is going to the strobe bulbs before beginning work!!**



**Installation Kit Includes**

1. W441D Receptacle (qty. 4 per vehicle)
2. W442D Plug (qty. 4 per vehicle)
3. Check off list
4. crimper

**Tools needed:**

1. Strippers/Cutters (designed for 16 gauge wire).
2. Crimpers
3. Sockets/wrenches to loosen/tighten nuts and bolts
4. Cordless drill with attachments
5. Wire Ties
6. Electrical tape

**Installation procedures**

**Mounting**

1. Remove rear tail light assemblies. (held on with 2 screws)



Remove front headlight assemblies, there are multiple fasteners. Video's available through [www.ammfleetsolutions.com](http://www.ammfleetsolutions.com) website



2. Do not remove the Strobe bulbs from either the Tail light or the Headlight assemblies—this will minimize the possibility of “breaking” bulbs!

3. Cut the Amp connector off of strobe bulb and cable from module.



## Level 3 Strobe Connector Replacement Guide

- Slide the wires thru weather proof grommet. And strip wire ends—**AFTER WIRE IS THROUGH GROMMET.**



- Crimp pins using supplied crimper onto each wire. Taking care to crimp the correct pin to each side.  
Male pins go to the receptacle side.  
Female pins go to the plug side.



## Level 3 Strobe Connector Replacement Guide

- Insert pins into plug and into the receptacle take care to follow the instructions  
Red goes into position A  
Black goes into position B  
White goes into position C



- After new connectors are correctly in place test all four strobes to confirm all are working properly.