

# **MSD** INSTALLATION INSTRUCTIONS

## **MSD Deutsch Connector Kits**

**16 - 18 GAUGE**

**2-Pin, PN 8183 / 4-Pin, PN 8181 / 6-Pin, PN 8180**

**8-Pin, PN 8185 / 12-Pin, PN 8186**

**12 - 14 GAUGE**

**2-Pin, PN 8184 / 4-Pin, PN 8187**

### **Parts Included**

1 - Male Housing

1 - Male Wedge

1 - Female Housing

1 - Female Wedge

Male Pins

Female Pins

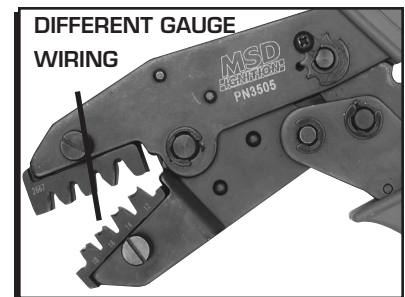
The MSD Deutsch (Doy-Ch) connector is a waterproof connector that is indexed to prevent damage or the chance of mismatching connections. These connectors also feature an interlocking tab that prevents the connector from accidentally being disconnected. When assembling new connectors it is recommended to have the Pro-Crimp Tool, PN 35051, with the Deutsch crimp dies, PN 3510.

1. Strip about 5/32" of the sleeve off the wire and carefully crimp the terminal to the sleeve (Figure 2). It is recommended to use MSD Pro-Crimp Tool, PN 35051 with PN 3510 crimp dies (supplied separately).

**Note:** The male terminals are installed in the female housing and conversely for the female terminals.

2. Insert each connector through the rubber grommet on the back side of the housing (Figure 3). Note that each terminal slot is numbered. Push the terminal in until it snaps into the housing and cannot be pulled out.

3. With all of the terminals in place, install the wedge to lock the terminals into position (Figure 4). Insert the wedge between the two rows of pins until it is firmly in place. Do not force the wedge in. If it does not click in to position, check the location of the terminals.

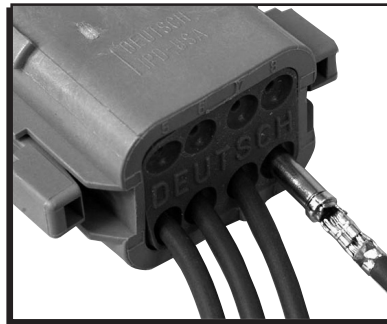


**Figure 1 Pro-Crimp Dies, PN 3510.**

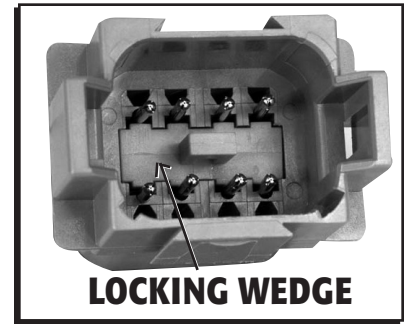
**Note:** Before connecting the housings, apply a light coat of lithium grease to the seals.



**Figure 2 Terminals Crimped to the Wires.**



**Figure 3 Installing the Terminal.**

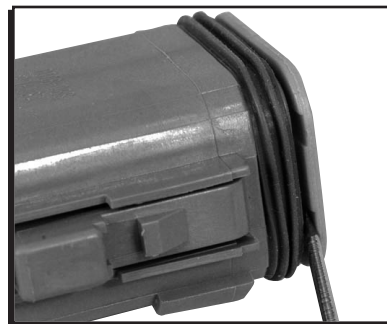


**Figure 4 Installing the Wedge.**

**DISASSEMBLY**

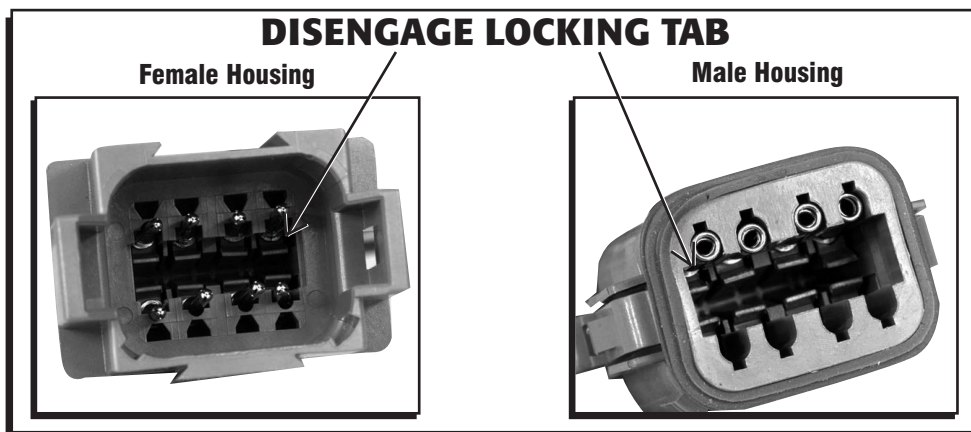
**Male Housing:** Locate the small recesses in the housing and use a small flat screwdriver to pry off the locking wedge (Figure 5).

**Female Housing:** Using needlenose pliers or a wire hook, remove the locking wedge by pulling it straight out.



**Figure 5 Disassembling the Male Housing.**

To remove the terminals and wires, use a small screwdriver or awl to disengage the locking tabs and pull the wire out (Figure 6).



**Figure 6 Disassembling the Housings.**

**Service**

In case of malfunction, this MSD component will be repaired free of charge according to the terms of the warranty. When returning MSD components for warranty service, **Proof of Purchase** must be supplied for verification. After the warranty period has expired, repair service is based on a minimum and maximum fee.

**All returns must have a Return Material Authorization (RMA) number** issued to them before being returned. To obtain an RMA number please contact MSD Customer Service at 1 (888) MSD-7859 or visit our website at [www.msdpower.com/rma](http://www.msdpower.com/rma) to automatically obtain a number and shipping information.

When returning the unit for repair, leave all wires at the length in which you have them installed. Be sure to include a detailed account of any problems experienced, and what components and accessories are installed on the vehicle. The repaired unit will be returned as soon as possible using Ground shipping methods (ground shipping is covered by warranty). For more information, call MSD at (915) 855-7123. MSD technicians are available from 7:00 a.m. to 5:00 p.m. Monday - Friday (mountain time).

**Limited Warranty**

MSD warrants this product to be free from defects in material and workmanship under its intended normal use\*, when properly installed and purchased from an authorized MSD dealer, for a period of one year from the date of the original purchase. This warranty is void for any products purchased through auction websites. If found to be defective as mentioned above, it will be repaired or replaced at the option of MSD. Any item that is covered under this warranty will be returned free of charge using Ground shipping methods.

This shall constitute the sole remedy of the purchaser and the sole liability of MSD. To the extent permitted by law, the foregoing is exclusive and in lieu of all other warranties or representation whether expressed or implied, including any implied warranty of merchantability or fitness. In no event shall MSD or its suppliers be liable for special or consequential damages.

\*Intended normal use means that this item is being used as was originally intended and for the original application as sold by MSD. Any modifications to this item or if it is used on an application other than what MSD markets the product, the warranty will be void. It is the sole responsibility of the customer to determine that this item will work for the application they are intending. MSD will accept no liability for custom applications.