



AAW Customer,

As a valued American Autowire customer, I wanted to personally thank you for your support and interest in American Autowire. Enclosed in this box is your crimping tool rental. Our rental program is designed to allow our valued customers to use these very unique and special crimpers to help the efforts of installing your American Autowire wiring harness. Our factory style GM terminals supplied in your kit are designed to be crimped by these tools only. Enclosed in your wiring harness kit is a bag labeled 500919 "Practice Kit" (Classic Update Series ONLY). We include these extra terminals so that you can practice your crimping techniques with our crimpers.

American Autowire is offering to our rental customers a Delphi Packard Electric "F" type terminal crimping tool for a nominal fee of \$25.00 per month for each tool rented. Upon ordering the rental tool(s), the customer's credit card will be charged as follows,

510341	\$79.00
510340	\$79.00

Rental agreement is for a 30-day rental period and starts upon the arrival of the tool(s). American Autowire will use the UPS tracking number for verification of arrival.

After 30 days, you will have a 2-week grace period to return the tool(s) to American Autowire to receive a credit applied to your credit card. If after the 2 weeks grace period you have not contacted or sent back the tool, American Autowire will assume no responsibility and that you have decided to keep the tool(s) for yourself permanently. It will be your responsibility to contact American Autowire after completion of the rental to receive a Return to Manufacturer Authorization number (RMA). To receive an RMA number, please contact Sales at 800-482-9473

If at anytime you have questions or concerns, please feel free to contact any Sales team member and they will be happy to assist you. For a video tutorial on how to properly crimp, visit our YouTube channel at [www.youtube.com/wiringharness](http://www.youtube.com/wiringharness) or go [www.americanautowire.com](http://www.americanautowire.com) and click on "videos" under the "news" tab.

Again thank you for your purchase we look forward to working with you.

### **Make Wiring Easy**

American Autowire • 150 Heller Place, #17W • Bellmawr, NJ 08031

**(856) 933-0801 • (800) 482-WIRE • FAX: (856)-933-0805**

[www.americanautowire.com](http://www.americanautowire.com)

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## Crimping Tips

**For a video tutorial on how to properly crimp**, visit our YouTube channel at [www.youtube.com/wiringharness](http://www.youtube.com/wiringharness) or go to [www.americanautowire.com](http://www.americanautowire.com) and click on “videos” under the “news” tab.

A good crimp or splice starts with a properly stripped wire. If the strips are too long, too short, uneven, or if the insulation is torn away, it will not result in a good crimp or splice.

While inspecting for proper strip length, check to make sure the insulation has been cut clean and not uneven or torn. Also check to make sure no wire strands have been cut off or nicked. This creates improper resistance in the wire and may have drastic results when voltage is applied.

There are several parts to a terminal that must be understood before good or bad crimping can be identified. The first part is where the wire enters.

Many terminals have insulation wings. These wings provide strain relief by closing down on (should not cut into) the insulation to reduce the chance of the wire bending and breaking off under the core wings.

All terminals have core wings. The core wings are clamped down on the core (bare wire) and provide the conductivity from the wire to the mating end of the terminal.

Most terminals have an insulation relief in them to allow for the core to go straight (no bend) into the core wing area. This is located between the insulation wings and the core wings.

The mating end will be inserted into a connector, plug, or socket. It may be a ring terminal that gets placed over a stud and bolted down.

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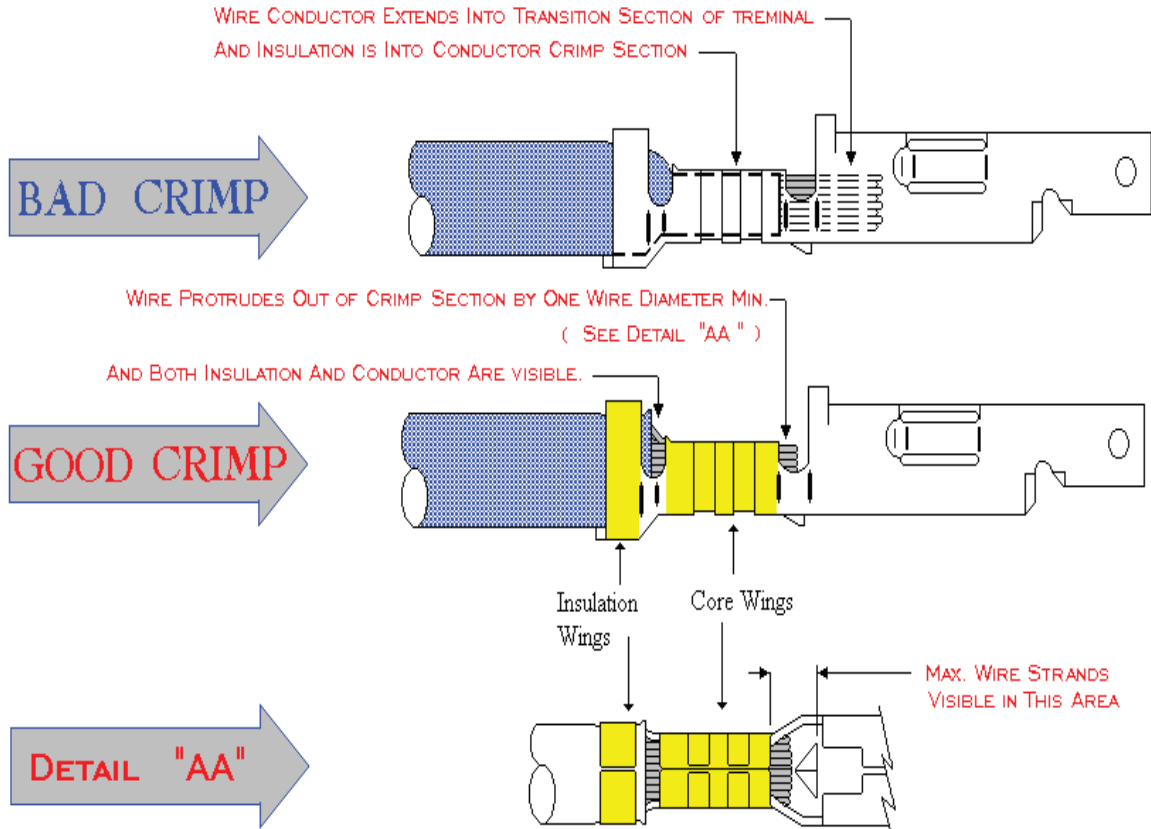
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**PROBLEM: Wire Inserted Too Far**



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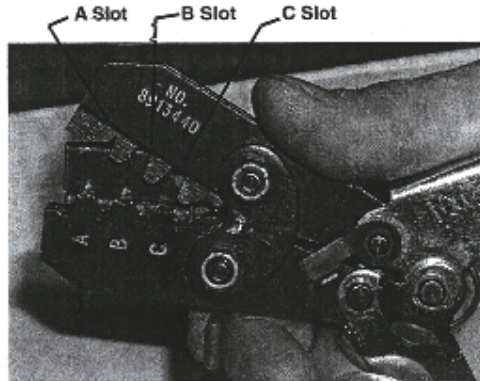


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## MASTER CRIMPING TOOL

This tool is used on hand applied terminals where there is no crimping press available. It crimps both the core and insulation wings at one time. Terminal type (ring, male, female, etc.) as well as wire gauge are determining factors as to which slot to use.

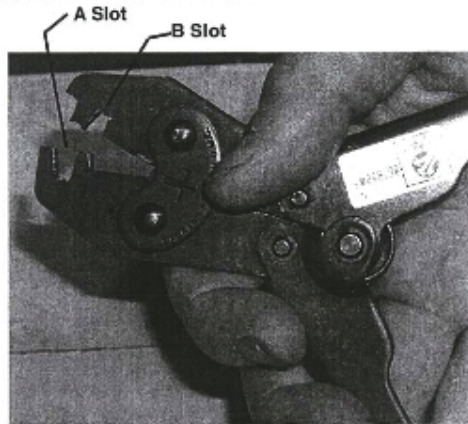
Description	Gauge	Procedure
Female	18-20	A
Female	14-16	B
Male	18-20	B
Male	14-16	C
Twin Lock	18-20	A
Twin Lock	14-16	B
Wedge Base	18-20	A
Ring Terminal	18-20	B
Ring Terminal	14-16	C



## SPLICE CRIMPING TOOL

This tool is used on the hand applied terminals where the "master crimper" is not feasible to use. Typically we use the "A" slot on the core "wings" to shape the crimp, followed by the final crimping in the "B" slot. Then crimp the insulation "wings" with the "A" slot only.

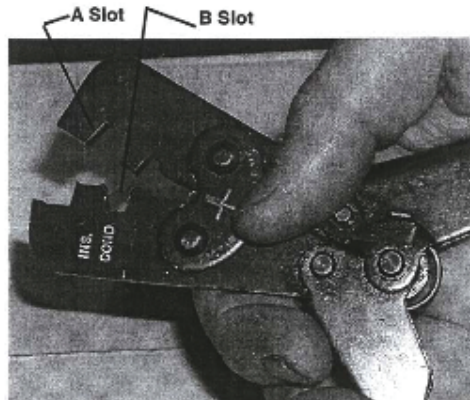
Description	Gauge	Procedure
Flag	18-20	A then B
Flag	14-16	A Slot Only
Fuse Contact	16-20	A then B
Small Rivets		B Slot Only
Splice Clips	Small	A then B
Splice Clips	Medium	A then B
Splice Clips	Large	A Slot Only



## DOUBLE CRIMPING TOOL

This tool is used on the hand applied "double" terminals where no crimping press is available. It can also be used on some large gauge single terminals. Terminal type and wire gauge will determine when this tool is to be used. Below are some suggested applications.

Description	Gauge	Core	Insulation
Female	18-20 Dbl	B	B
Female	14-16 Dbl	B	A
Male	10-12	A then B	
Male	Dbl	A then B	
Ring Terminal	2965718 & 2965719	B	A



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