



## INSTALLATION INSTRUCTIONS FOR UNIVERSAL ARMOR SHIELD WIRE SETS

**CAUTION:** BEFORE INSTALLING, PLEASE READ THROUGH ENTIRE INSTRUCTION SHEET. DUE TO THE CONDUCTIVE EFFECT OF METAL BRAIDED IGNITION WIRES, IMPROPER GROUNDING WILL CAUSE ELECTRICAL SHOCK.

You have just purchased the finest metal braided, universal, silicone ignition wire set available on the market today.

**ABOUT THE PRODUCT:** Metal braided wire, originally an aviation innovation, has now become popular with automotive enthusiasts wanting a rugged, high temperature wire set that can withstand header contact, that looks good and complements other under hood braided lines and hoses.

ACCEL Universal Armor Shield Wire Sets feature 8MM high performance silicone lead wires with a static-free suppression core that eliminates radio interference. These wires are recommended for street use only, as ultra-powerful racing ignitions may cause a conductive effect resulting in arcing to the metal shield.

### TOOLS REQUIRED:

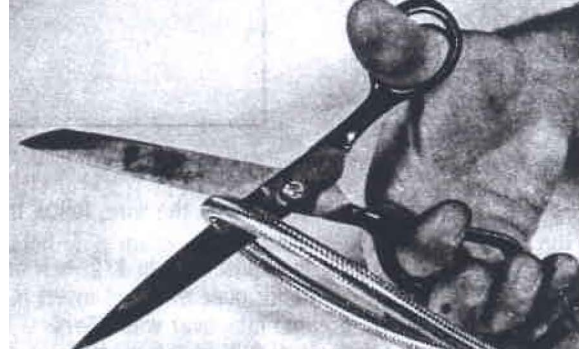
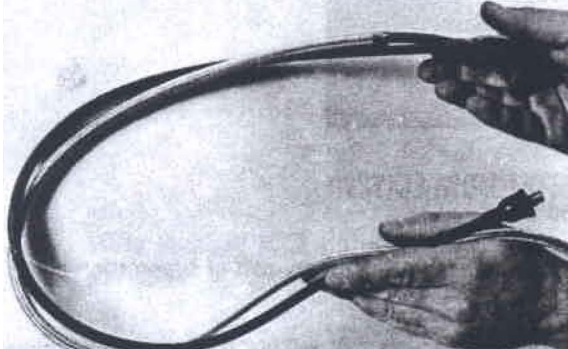
1. Wire stripper/cutter.
2. Small sharp pointed scissors - such as nail cuticle scissors.
3. Hair dryer or a heat gun.
4. Pliers
5. Vise
6. Hammer
7. Tape

**NOTE:** Wear safety glasses.

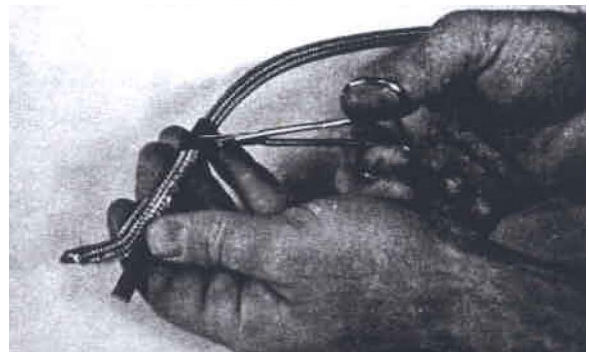
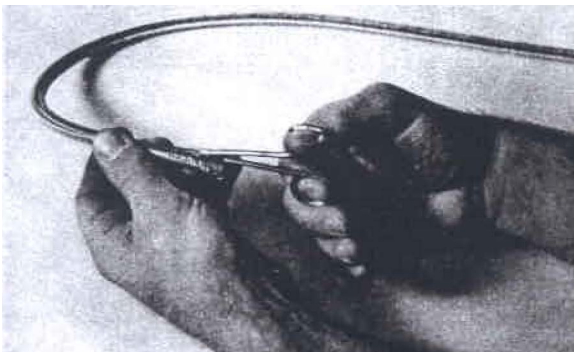
### CUTTING ARMOR SHIELD

**Step 1:** It will be necessary to cut the wire to length. Start by removing the longest wire lead from your existing wire set and cut the Armor Shield wire to match using wire cutters or heavy duty scissors. Cut and terminate one wire at a time.

**Step 2:** Trim the shield back approximately four inches using small, sharp pointed scissors. To reduce fraying when cutting the shield, you may wrap tape around area of circular cut. Make cut through center of tape.

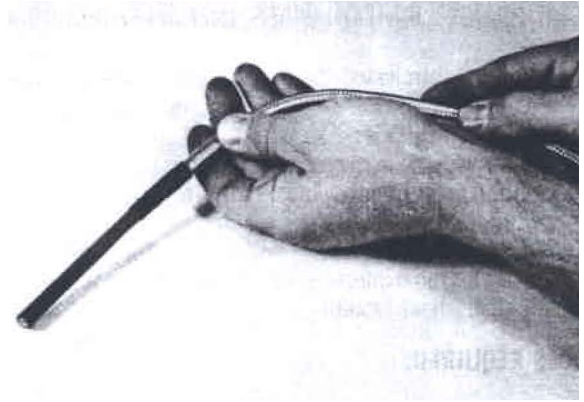
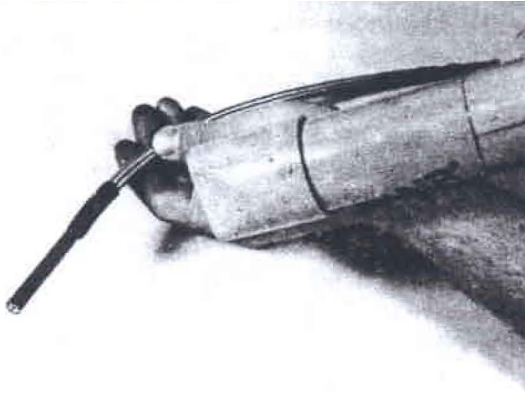


Step 1



Step 2

Step 3: Straddle braided shield by about 50% with shrink tubing enclosed and shrink with a hair dryer on hottest setting (or use a heat gun if available). Tubing will shrink and tighten around wire. Repeat Steps 1 - 3 on each lead.



Step 3

### INSTALLING DISTRIBUTOR END - NON-H.E.I. TYPE

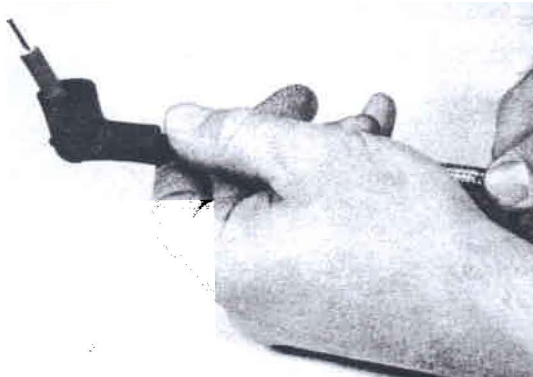
Step 4: Slide distributor boot over open end of wire.



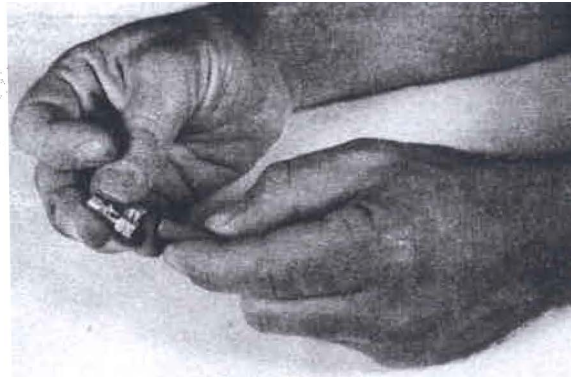
Step 4

Step 5: To crimp the terminals on the wire, follow the steps listed below.

- A. Strip wire to expose 3/8 to 1/2 inch of conductor; use caution not to cut any part of suppression core.
- B. Bend conductor over wire and insert in terminal.
- C. Bend terminal tabs over with pliers.
- D. Secure bottom half of crimping tool in vise.
- E. Place terminal in tool, as shown, with upper half of crimping tool over tabs. Strike with hammer to achieve a firm crimp. Repeat Step 5 (A-E) on each wire lead.



A



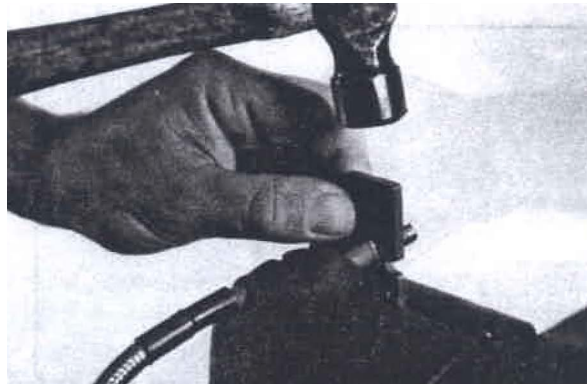
B



C



D



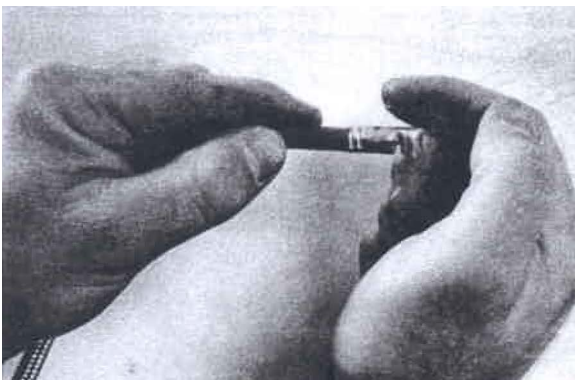
E

Step 5

### INSTALLING DISTRIBUTOR END - H.E.I. TYPE

When installing H.E.I. distributor ends, the wire is terminated with the terminal before the silicone boot is put on. Follow directions for step 5.

Step 6: Lightly lubricate the terminal with dielectric grease included and slide wire into H.E.I. boot.



Step 6

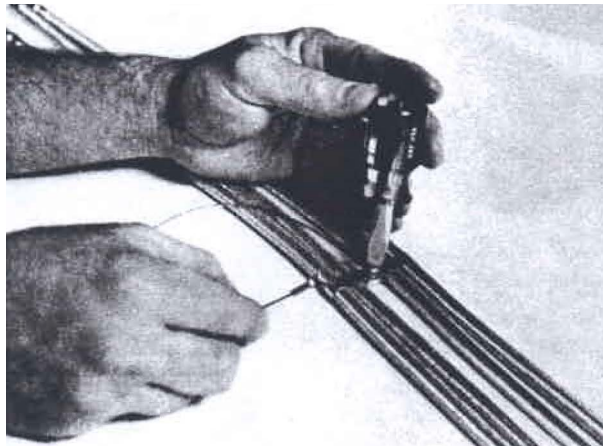
- Step 7: Small amounts of this grease should also be applied to inside of boot on both spark plug and distributor cap ends.
- Step 8: Be sure you have made a good connection in the distributor cap and coil. You should recheck these connections periodically. If connector in distributor cap or coil is grey/green or appears corroded, you may have a poor connection. Repeat Steps 6 - 8 on each lead.

### GROUNDING SHIELDED WIRE

**CAUTION:** DUE TO THE CONDUCTIVE EFFECT OF METAL BRAIDED IGNITION WIRES, IMPROPER GROUNDING WILL CAUSE ELECTRICAL SHOCK.

- Step 9: Place ground strap loop over lead wires going to one side of engine, making sure it fully contacts the braided shield.
- Step 10: Attach grounding cable to strap, secure with hardware supplied, and connect to a good engine ground. Repeat this step for the lead wires on the other side of engine.

After installation, periodically check condition of ground strap loop to insure a good ground.



Step 9 & 10

### VARIABLE BOOTS

For sets which include multiple angle spark plug boots, PLEASE READ CAREFULLY.

The multiple angle spark plug boot can be used straight or bent for angled use. When bending the boot to a desired angle, ALWAYS bend in the direction of the arrow on the boot. DO NOT BEND repeatedly as doing so may weaken the terminal.

