



QUALITY... PLAIN & SIMPLE®

## Vintage Series Universal Plug Wires Installation Instructions

### General Installation Notes:

Please read these instructions completely before beginning the installation. If you have any questions, please call.

Before beginning the installation, disconnect the negative battery cable and use wheel chocks to block the vehicle's wheels.

Make sure the engine, transmission, body and frame are properly grounded.

Refer to Fig. 1 for the component names.

**Installation of this Spark Plug Wire Kit will require a sharp utility knife, a pair of pliers, and a good quality wire crimping tool that is designed for crimping spark plug wire terminals. A sharp pair of wire cutters will also be helpful.**

**Remove only ONE existing spark plug wire at a time.**

**Step 1:** This Kit includes distributor terminals and boots for both HEI and non-HEI distributor caps. An HEI distributor cap has male terminals on the distributor cap. A non-HEI distributor cap has female terminals on the distributor cap. Refer to Fig. 1, and discard the distributor terminals and boots that are not correct for your application.

**Step 2:** Locate the existing spark plug wire that is the longest. Remove that existing wire from the engine.

**Step 3:** Locate the longest new Spark Plug Wire. One end of the Spark Plug Wire already has the spark plug terminal and boot installed. Connect that end of the longest new Spark Plug Wire to the spark plug, making sure the terminal snaps firmly into place. Route the bare end of the cable up to the distributor cap. Make sure that the cable is not pulled tight, and that it will not be against the exhaust or be too close to any moving parts. Mark the cable where it reaches the correct terminal on the distributor cap.

**Step 4:** Cut the cable at your mark, using a pair of sharp wire cutters or a sharp utility knife.

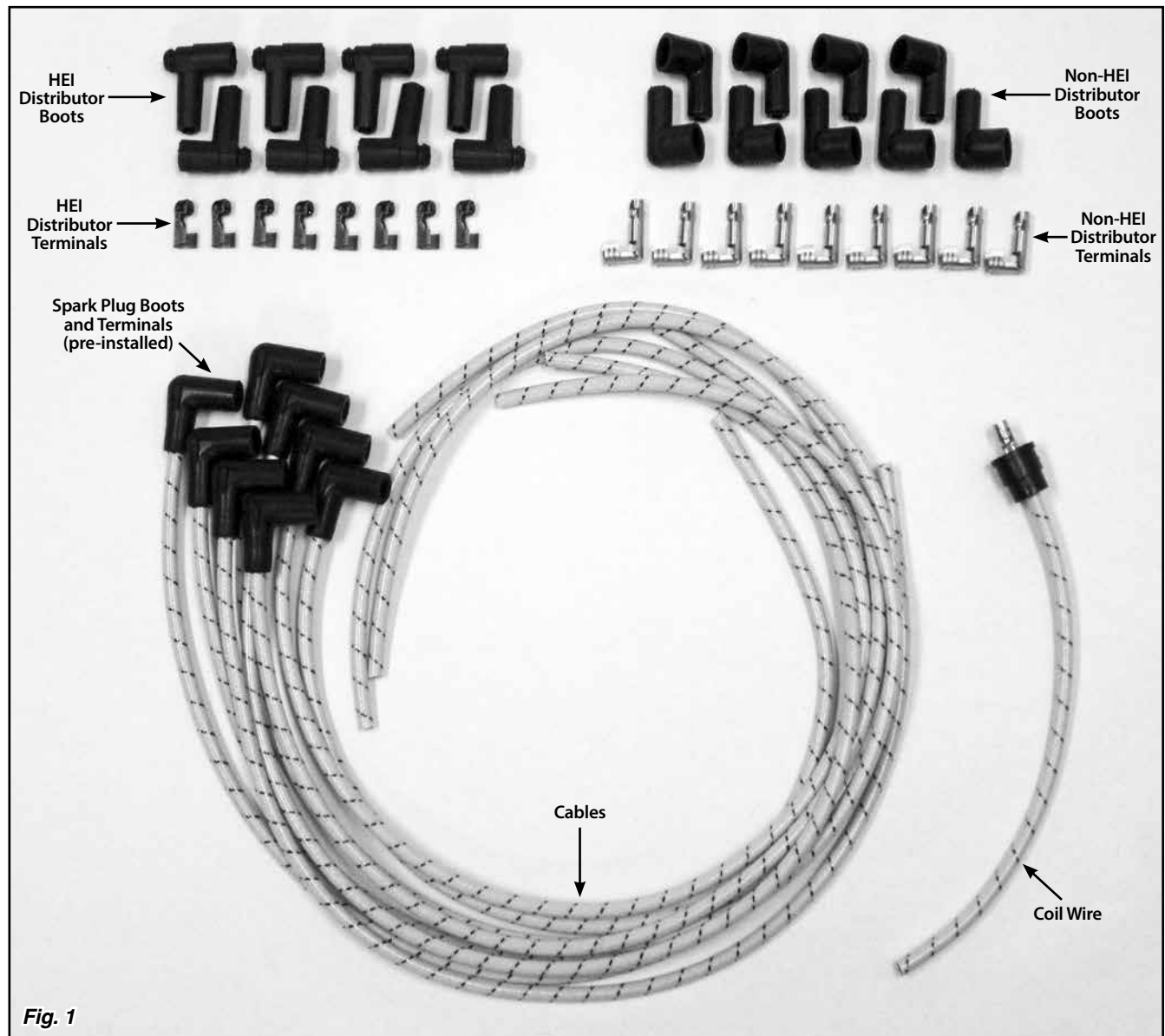
**Step 5:** If you have an HEI distributor cap with male terminals, skip to **Step 6** now.

If you have a non-HEI distributor cap with female terminals, apply a small amount of silicone grease or spray lube onto the end of the cable and to the inside of a distributor boot. Slide the distributor boot onto the cable, small end first, and push it several inches down the cable away from the end.

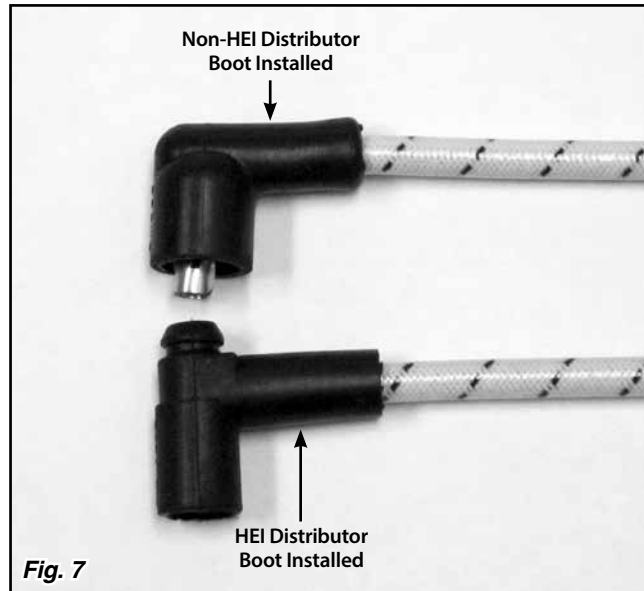
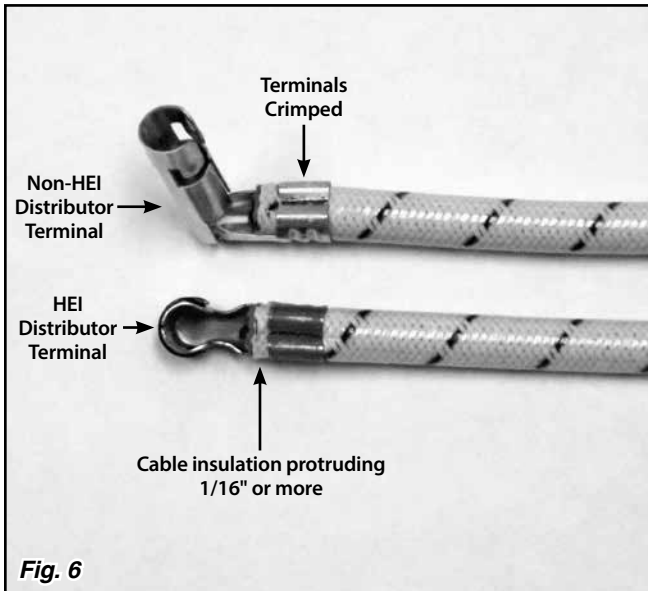
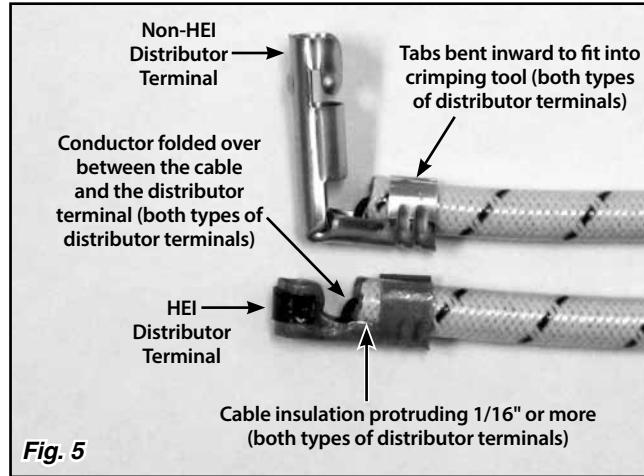
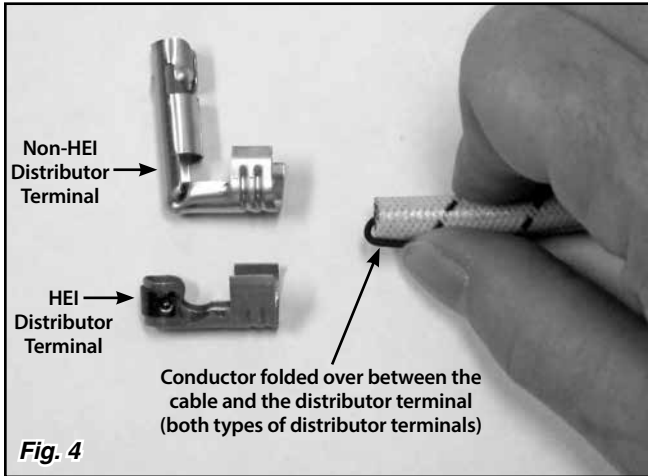
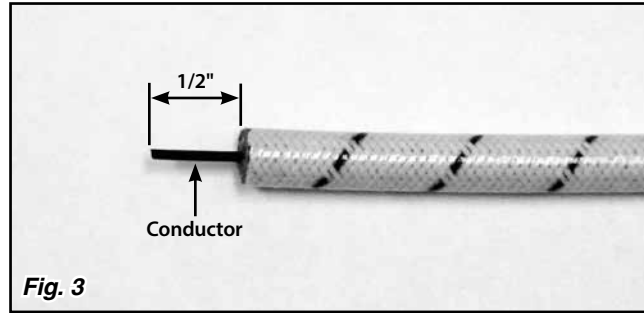
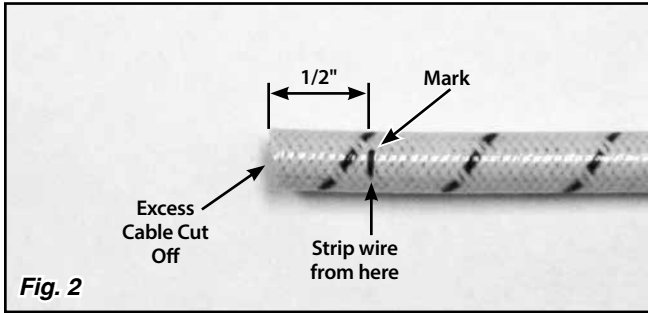
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**Step 6:** Measure and make a mark 1/2" from the end of the cable you just cut. **Fig. 2** Use a **sharp** utility knife to **CAREFULLY** cut through the braided fabric cover and approximately 1/16" into the insulation, all the way around the cable.

**MAKE SURE** you do not cut the insulation deep enough to reach the conductor in the center of the cable!

**Step 7:** Bend the cut section back and forth a few times to break the insulation free from the conductor core in the cable. Pull the insulation off of the cable, leaving 1/2" of the conductor sticking out. **Fig. 3**

**Step 8:** Inspect the conductor closely to make sure you did not nick it with the knife. If there is **ANY** damage to the conductor, you must cut the conductor off flush with the insulation, and strip the cable end again, more carefully.

**Step 9:** Fold the conductor over against the outside of the insulation. **Fig. 4** Position a distributor terminal on the end of the cable, with the conductor on the bottom in between the insulation and the back of the distributor terminal. Make sure that the distributor terminal is positioned so that at least 1/16" or a little more of the insulation is protruding beyond the edge of the tabs on the distributor terminal. **Fig. 5**

**Step 10:** Before you start to crimp the distributor terminal, use a pair of pliers to squeeze the tabs together enough to keep the distributor terminal from falling off of the cable, and so that the tabs will fit into the notches on the crimper tool. **Fig. 5**

**Step 11:** Use the crimper tool to crimp the distributor terminal onto the cable. **Fig. 6**

**Step 12:** If you have a non-HEI distributor cap, carefully slide the distributor boot back down the cable and maneuver it over the distributor terminal into position. You can apply a small amount of silicone lubricant to the cable to make the distributor boot slide more easily. **Fig. 7**

If you have an HEI distributor cap, apply a small amount of silicone lubricant to the inside of a distributor boot and to the outside of the cable. Slide the distributor boot over the distributor terminal and onto the end of the cable. **Fig. 7**

**Step 13:** If you have access to an ohmmeter, disconnect the new Spark Plug Wire from the spark plug, and check the resistance of the cable between the two ends. The resistance will vary depending on the length of the Spark Plug Wire. These Spark Plug Wires should have approximately 1000 ohms of resistance per foot of cable.

The most common cause of high resistance is a damaged conductor, possibly from getting nicked when stripping the insulation, or from the cable being bent too sharply.

**Step 14:** Install the finished Spark Plug Wire onto the spark plug (if you removed it for testing) and onto the distributor cap.

**Step 15:** Select the next longest spark plug wire on your engine, and the next longest new Spark Plug Wire. Starting with **Step 2**, repeat the above procedure for each Spark Plug Wire, always starting with the longest one you have left to do.

**Step 16: Non-HEI distributor cap only:** Repeat the above procedure for the coil wire, starting with marking the cable where it meets the distributor cap in **Step 3**.