



Summit Racing Vintage Spark Plug Wire Kit Installation Instructions

Summit Racing Equipment, 1200 Southeast Ave., Tallmadge, OH 44278
Toll Free Technical Support 1-800-230-3030 • Technical Support 1-330-630-3030
Fax 1-330-630-5333 • For online help, please refer to our website: www.summitracing.com

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General Installation Notes:

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

Before starting the installation, use wheel chocks to block the wheels. Disconnect the negative battery cable before beginning the installation.

Make sure the engine, transmission, body and frame are properly grounded. We recommend applying anti-seize lubricant to all aluminum threads before final assembly.

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 has a position or setting designed for crimping spark plug wire terminals. A pair of sharp wire cutters will also be helpful.

Refer to Fig. 1 for the component names.

Only remove ONE existing spark plug wire at a time.

Step 2: Determine if you have an HEI or non-HEI style distributor cap. The HEI style has male terminals or studs on the distributor cap. The non-HEI style has female terminals on the distributor cap. Refer to Fig. 1, and discard the terminals and distributor cap boots that are not correct for your application.

Step 2: Determine which existing spark plug wire is the longest. Remove the existing wire from the engine.

Step 3: Determine which of the new Spark Plug Wires is the longest. One end of the Spark Plug Wire will already have a terminal and boot installed. Connect that end of the longest 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 correct terminal on the distributor cap. Make sure that the cable has some slack, and that it will not be touching the exhaust or be too close to any moving parts. Mark the cable where it meets the distributor cap terminal.

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

Step 5: If you have an HEI style distributor cap with male terminals or studs on the cap, skip to **Step 6**.

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

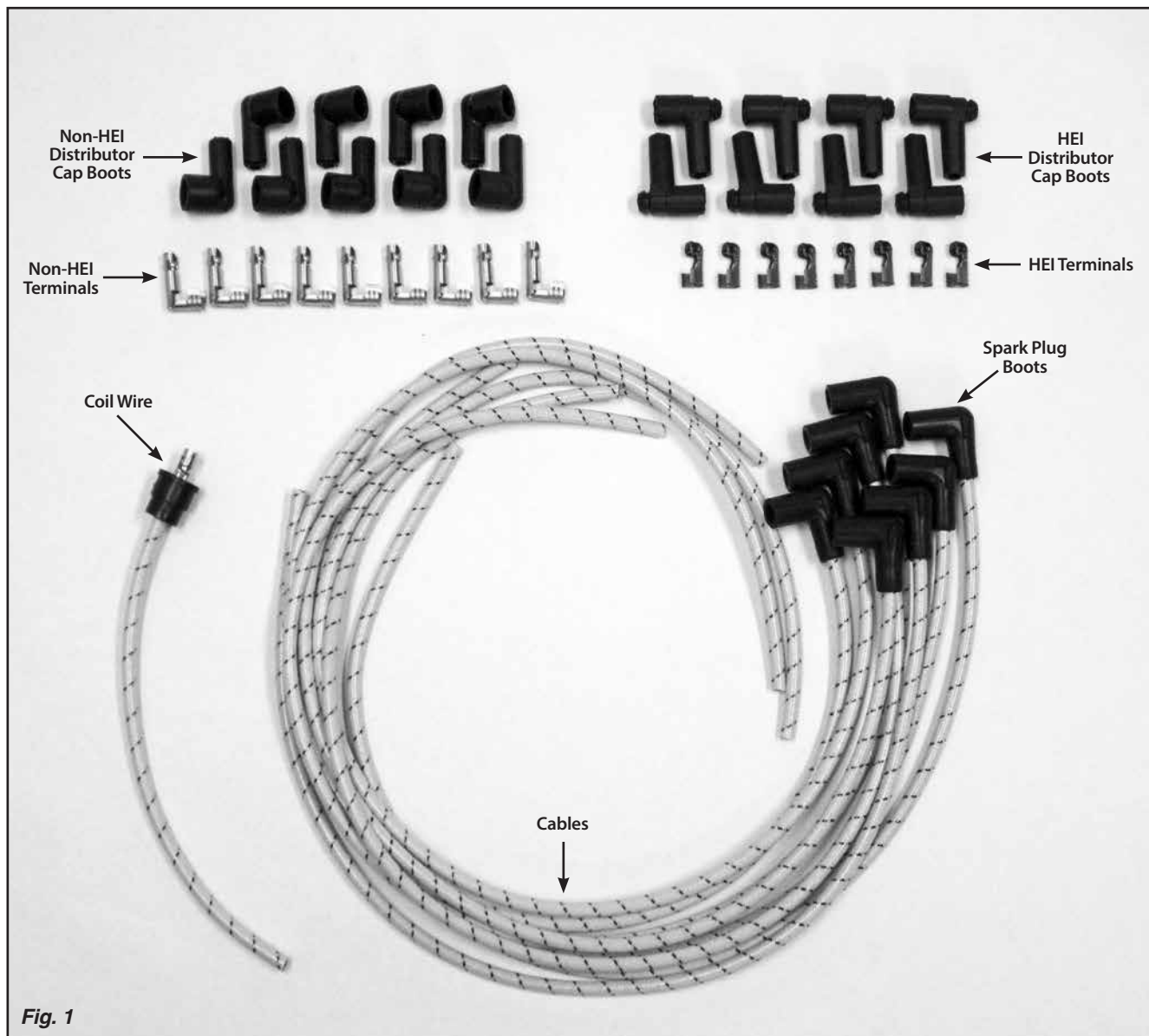


Fig. 1

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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 cap terminal on the end of the cable, with the conductor on the bottom in between the insulation and the back of the distributor cap terminal. Make sure that the 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 cap terminal. **Fig. 5**

Step 10: Before you start to crimp the distributor terminal, use a pair of pliers to squeeze the distributor terminal tabs together enough to keep the distributor cap 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 terminal onto the cable. **Fig. 6**

Step 12: If you have a non-HEI distributor cap, carefully slide the boot back down the cable and maneuver it over the terminal into position. You can apply a small amount of silicon lubricant to the cable to make the 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 cap boot and to the outside of the cable. Slide the boot over the 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 second-longest spark plug wire on your engine, and the second-longest new Spark Plug Wire. Starting with **Step 2**, repeat the above procedure for each Spark Plug Wire, always starting with the longest spark plug wire you have left to do.

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

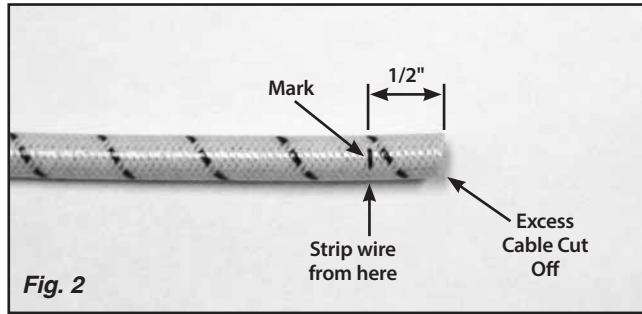


Fig. 2

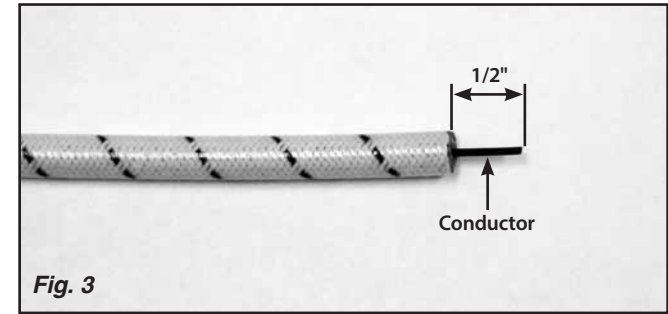


Fig. 3

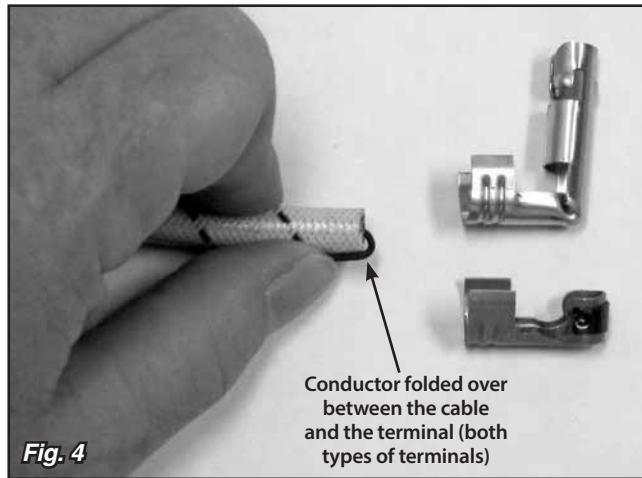


Fig. 4

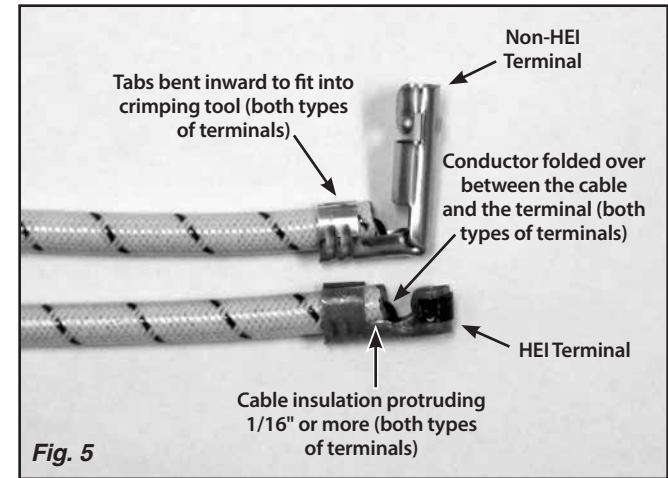


Fig. 5

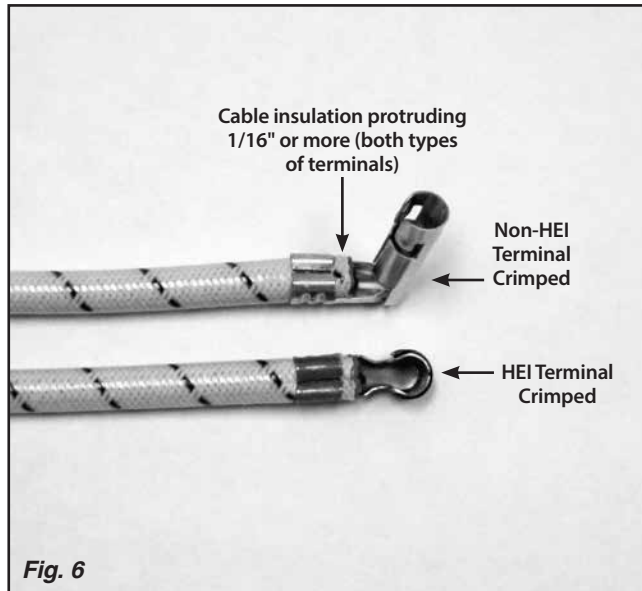


Fig. 6

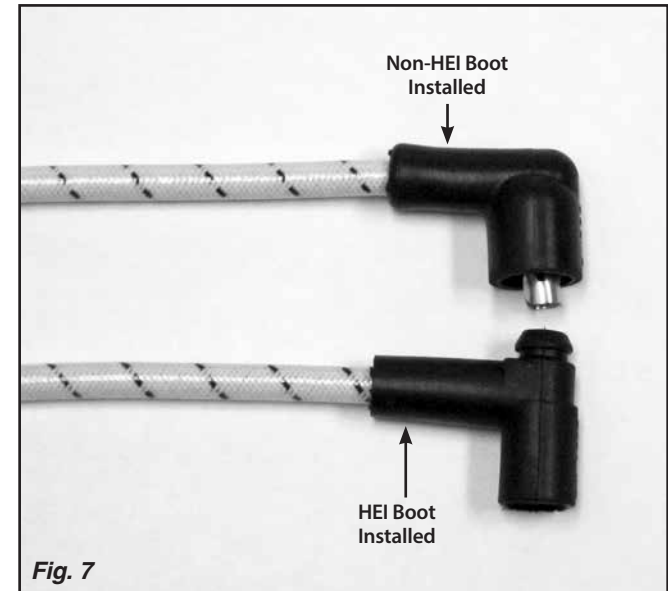


Fig. 7