

8 mm and 8.5 mm Universal Wire Set Installation Instructions

- Make sure the engine is cool and the ignition is turned off before beginning the ignition wire installation.
- Remove and replace one wire at a time to avoid mixing up the position of the wires on the distributor or routing them to an incorrect spark plug.
- Start with the longest ignition wire and work your way to the shortest.
- If you will keep the same routing for the new ignition wires, use the old wires as a length guide.
- If you are changing the routing, attach the new wire to the spark plug and route it to the distributor, noting where to cut the new wire for optimum length.
- SQR Performance universal ignition wire sets include terminals and boots to fit both HEI distributor caps (left) and small-diameter, points-style distributor caps (right).
- Route and secure ignition wires away from moving parts such as the throttle linkage and do not let them come in contact with high heat sources such as exhaust tubes.



1. Cut the ignition wire using a high-quality wire cutter for a clean cut.
 2. If your vehicle uses a small-cap, points-type distributor, use a small amount of silicon dielectric grease (included) in the distributor boot and push the boot over the wire before crimping the terminal onto the wire.
- If your vehicle uses an HEI distributor, install the terminal first and install the boot later.



There are two methods of attaching the distributor terminal:

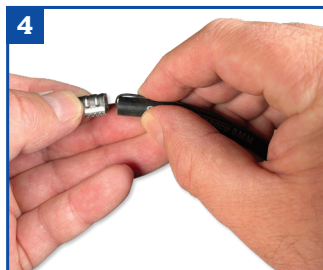
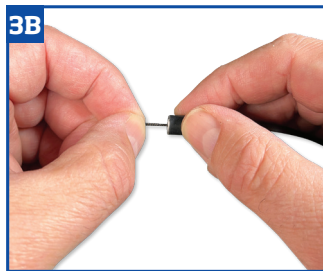
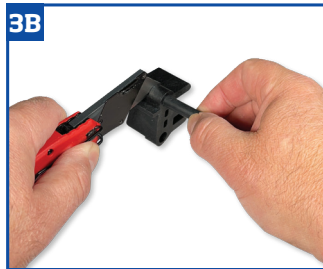
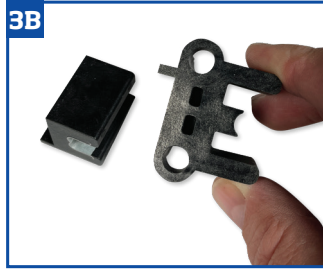
3A Method A uses small copper conductors.

- Push the conductor into the ignition wire so that the conductor touches the outside of the wire core.
- With the conductor inserted into the wire approximately 1/2 inch, bend the remaining length of conductor over the outside of the wire insulation so that it will be held in place and make full contact with the distributor terminal.



3B Method B requires the insulation to be stripped away and the core to be bent over the insulation.

- Insert the ignition wire into the appropriate sized hole in the provided trim/crimp tool.
 - The smaller hole is for 8 mm wires and the larger hole is for 8.5 mm wires.
 - Align the end of the wire with the end of the tool.
 - Hold a sharp razor knife flat against the edge of the tool as shown and rotate the wire in order to cut the insulation complete around the wire.
 - Remove the insulation.
 - You should have a clean cut, leaving only the core.
 - Make sure that the core is not damaged at all.
 - Prepare the distributor terminal by using a pair of needle-nose pliers to slightly bend both edges of the terminal inward.
- 4.** Wrap the core over the insulation (or bend the conductor over the insulation if using Method A) and insert the ignition wire into the distributor terminal with the core (or conductor) completely captured inside the terminal.



5. Insert the terminal and wire into the two halves of the trim/crimp tool as shown.

6. Mount the trim/crimp tool in a vice and slowly compress the tool using the vice until the two halves of the tool bottom out on each other.

7. Check the integrity of the crimp.

8. If your vehicle uses an HEI distributor (shown), use a small amount of silicon dielectric grease in the HEI distributor boot and push the terminal and wire into the boot until the terminal is centered in the opening of the boot.

➤ If your vehicle uses a small-cap, points-type distributor, slide the distributor boot along the wire and over the terminal.

9. Apply a small amount of silicon dielectric grease inside the spark plug boot before installing the boot onto the spark plug.

10. Push both the distributor and spark plug ends of the wires firmly into place to ensure a secure connection.

11. Repeat this procedure for all of the ignition wires.

