



Twin Tec *Installation Instructions for Universal Wire Set*

CAUTION: CAREFULLY READ INSTRUCTIONS BEFORE PROCEEDING

OVERVIEW

Twin Tec P/N 3002 is intended for all Harley-Davidson® Twin Cam 88 applications with Delphi® style small diameter coil terminals. Twin Tec P/N 3003 is intended for all Harley-Davidson applications except Twin Cam 88®. The P/N 3003 wire set includes both 90° and 110° spark plug boots.

P/N 3002 INSTALLATION

1. Note the spark plug wire routing for re-installation. Remove the original spark plug wires. The new P/N 3002 wire set is pre-terminated with the special Delphi® coil terminals and boots. Cut the new wire so that each section is 1" longer than the original wire. The extra length allows for termination of the spark plug end.
2. You must use a proper ignition wire stripping and crimping tool. The tool should have a "W" crimping section. Such tools are available from most automotive parts stores. If you are unfamiliar with stripping and crimping spiral core wire, we recommend that you first practice on the unused section of wire left over. Extra terminals are supplied in the parts bag.
3. Strip away 5/8" of the silicone insulation to expose the black spiral core conductor. Be careful so that you do not cut or nick the fine metal wire. Loosely fold the black conductor over the wire and crimp on the terminal. If you fold the conductor too tight, the crimping operation may stretch and break the fine wire.
4. Spray WD-40 into the spark plug boot and insert the terminal.
5. Apply of small amount of the supplied silicone grease on the inside of each boot. Install the new wire set on the engine using the same routing as the original set.

WARNING: To avoid ignition system damage from coil arcing, never crank the engine while any spark plug wire is disconnected.

P/N 3003 INSTALLATION

1. Note the spark plug wire routing for re-installation. Remove the original spark plug wires. The new P/N 3003 wire set is pre-terminated with both 90° and 110° spark plug boots. Cut the new wires so that each section is 1" longer than the original wire and has the correct end for your application. The extra length allows for termination of the coil end.
2. You must use a proper ignition wire stripping and crimping tool. The tool should have a "W" crimping section. Such tools are available from most automotive parts stores. If you are unfamiliar with stripping and crimping spiral core wire, we recommend that you first practice on the unused section of wire left over. Extra terminals are supplied in the parts bag.
3. The parts bag contains both straight and 90° coil boots. Select the appropriate boots for your application. If you are using the straight coil boots, crimp the terminals on the wires and then insert the terminals into the boots. If you are using the 90° coil boots, you may find it easiest to slide the wires through the boots first, crimp on the terminals, bend the terminals, and then pull the terminals back into position. Spray WD-40 into the boots to ease the process.
4. Strip away 5/8" of the silicone insulation to expose the black spiral core conductor. Be careful so that you do not cut or nick the fine metal wire. Loosely fold the black conductor over the wire and crimp on the terminal. If you fold the conductor too tight, the crimping operation may stretch and break the fine wire.
5. Apply of small amount of the supplied silicone grease on the inside of each boot. Install the new wire set on the engine using the same routing as the original set.

CAUTION: Only use WD-40 or mineral spirits to clean your spark plug wires. Detergents such as Simple Green® can leave a conductive residue that causes arcing and terminal corrosion.