Twin Tec Installation Instructions for 3 Ohm Coil P/N 2100

CAUTION: CAREFULLY READ INSTRUCTIONS BEFORE PROCEEDING.

OVERVIEW

Twin Tec P/N 2100 3 ohm dual-output coils are for use with the following Harley-Davidson® motorcycle models:

- All 1970-1999 Shovelhead
- All 1984-1999 Evolution 1340cc Big Twin
- 1986-1993 XLH 883cc and 1986-1987 XLH 1100cc Sportster®

For use with electronic ignitions only. Do not use the 3 ohm coils for any breaker points, Dyna-S series, Harley-Davidson® Twin Cam 88® applications or for any Japanese/European motorcycles with CDI type ignition requiring low resistance coils.

INSTALLATION

1. Turn off the ignition switch and disconnect the battery ground cable before proceeding.
2. You will have to fabricate a custom bracket to mount the new coils.
3. For Twin Tec ignitions, use the hookup shown in Figure 1 or 2. Use the supplied crimp terminals for the coil primary connections. You can use the same hookup for Dyna 2k/2ki modules except that the wire color codes are different:

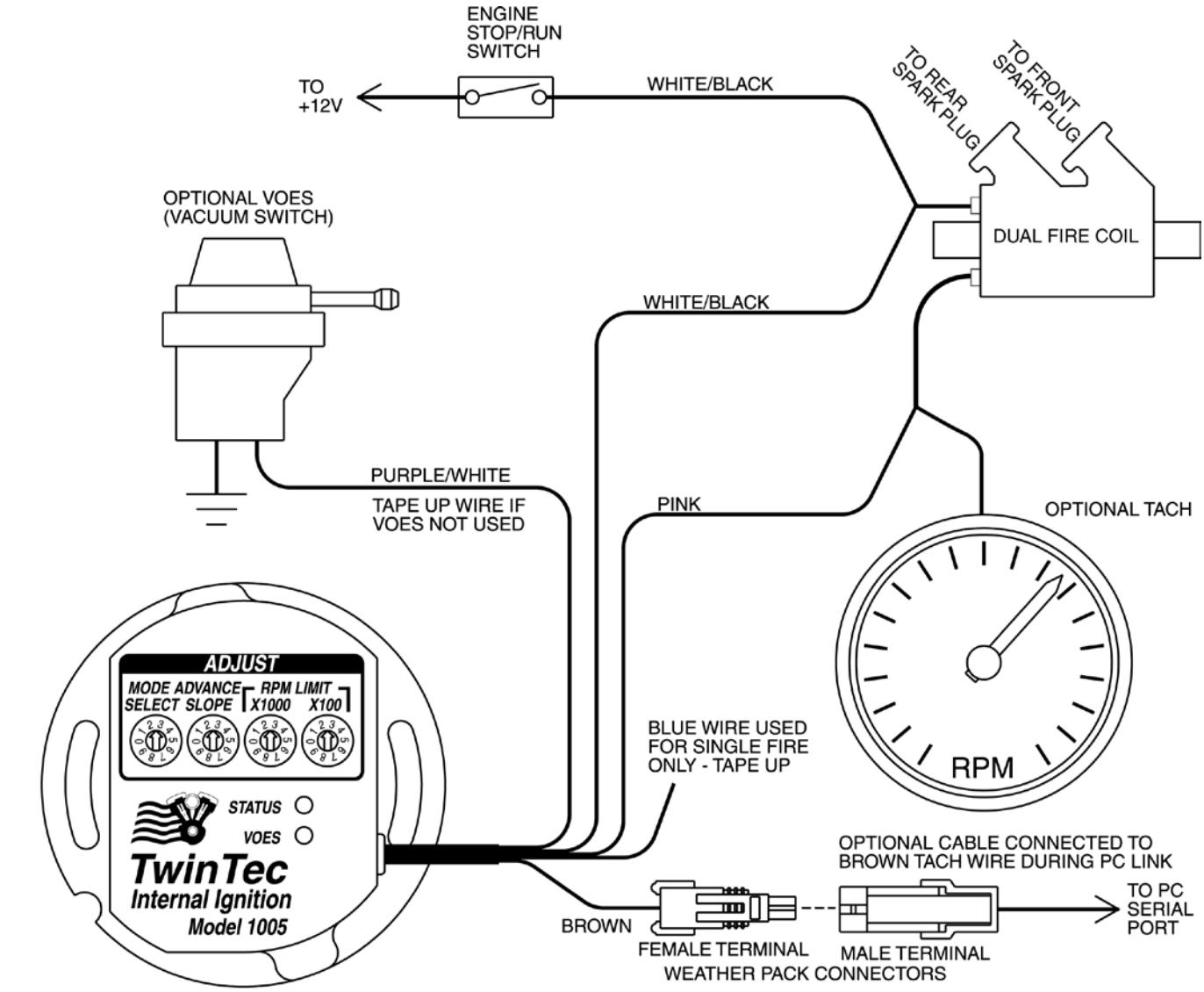
   Dyna 2000 Series

Front Cylinder Coil-	Blue
Rear Cylinder Coil-	Pink
Coil+ (Module Power)	White

4. A universal wire set is available. It uses spark plug wires 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. **Check lengths carefully if the coil bracket is in a new location**.
5. 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 wire set parts bag.
6. Strip away 5/8” of the silicone insulation to expose the black spiral core conductor. Be careful so that you do not cut or knick 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.
7. Insert the terminals into the straight coil boots. Spray WD-40 into the boots to ease the process.
8. Install the new wire set on the engine. Apply silicone dielectric grease to the coil terminals to reduce corrosion and prevent arcing.

WARNING: To avoid ignition system damage from coil arcing, never crank the engine while any spark plug wire is disconnected. Do not touch or connect any test equipment, including a timing light, to a coil while the engine is running.

Figure 1 – Twin Tec Model 1005 Wiring Diagram



MODE SETTINGS FOR DUAL FIRE
0 STREET ADVANCE CURVES, MULTI-SPARK DISABLED
1 STREET ADVANCE CURVES, MULTI-SPARK ENABLED
4 RACE ADVANCE CURVES, MULTI-SPARK DISABLED
5 RACE ADVANCE CURVES, MULTI-SPARK ENABLED

Figure 2 – Twin Tec Model 1006/1007 Wiring Diagram