

Figure 4. Ignition Module Connector [10]

CAUTION

Drilling a hole in the cover in a location other than that specified could damage the module plate. Drill carefully only where indicated to avoid damaging the module plate, located behind the cover.

CAUTION

Do not pry the timing cover from the gearcase or damage to the gearcase or ignition module may result.

- 6. See Figure 5 Drill a hole in the outer timing cover at the 5 o'clock position and approximately 1/2 inch (13 mm) from the outside edge of the cover. Use a 90-degree pick or similar tool to pull the outer timing cover from the gearcase.

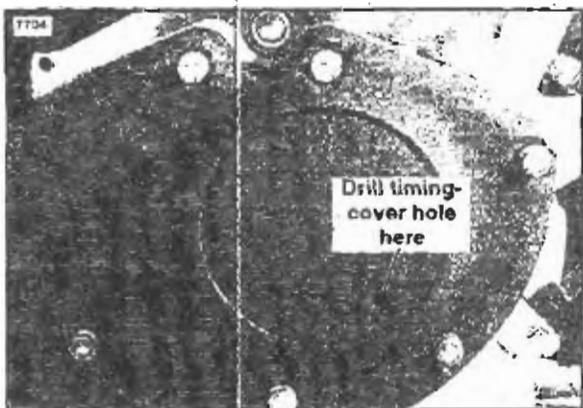


Figure 5. Drilling and Removing the Timing Cover

- 7. Remove the two module-plate mounting screws to remove the module plate from the gearcase.
- 8. See Figure 3. Position the new ignition module in the gearcase and route the wires back to the connector location.
- 9. Loosely fasten the module to the gearcase using the two screws from step 7. Do not tighten the screws.
- 10. See Figure 3. Scribe alignment marks in the V-notch, located on the module mounting plate, for approximate ignition timing during installation.

- 11. Install pins, as shown below into the stock Deutsch connector body saved in step 5

Blast Deutsch Connector Pin-Outs

| Pin | Wire Color | Function |
|-----|---------------|----------------------------------|
| 1 | white/black | Ignition switch |
| 2 | violet/white | TPS |
| 3 | violet/orange | Auto-enrichener |
| 4 | pink | Coil/tachometer |
| 5 | green/gray | Bank-angle sensor/ side stand |
| 6 | pin plug | Ground |

NOTE

The brown wire from the module is for a direct-splice connection to a tachometer

- 12. Install the pin plug from this kit into the Deutsch-connector number 6 pin location
- 13. See Figure 4. Mate the connector halves.
- 14. Fasten the wire harness and hoses to the right side of the motorcycle using hardware removed in step 3.
- 15. Loosely fasten the module to the gearcase using two screws. Do not tighten the screws.

Configuring the Module

See Figure 6. Four dial switches, located on the front of the module, allow you to custom-configure the module. Make sure each switch is in the proper position before you start the motor. Refer to the mode descriptions later in this instruction sheet

Set the Timing

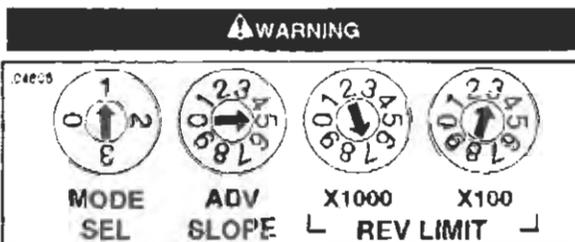


Figure 6. Ignition Module Switches

Always connect the positive battery cable first. If the positive cable should contact ground with the negative cable installed, the resulting sparks may cause a battery explosion which could result in death or serious injury.

- 1. Connect the battery cables to the battery, positive cable first
- 2. Statically time the engine:
 - a. Remove the spark plugs from the engine.
 - b. Remove the timing-window plug from the crankcase
 - c. Raise the rear wheel of the motorcycle.