

034Motorsport 1.8T Coil Update harness

This document is designed to walk you thru the install process on the 034Motorsport 1.8t coil update harness. *NOTE* cutting of your factory wiring harness is required and this modification cannot be easily uninstalled.

Tools Required

- Wire cutters
- Wire Strippers
- “W” style Wire crimp tool
- 10MM wrench or socket
- Razor blade
- Heat gun
- Multimeter/ continuity tester

Step 1: Remove the ground wire from the battery, if this is not done, even with the ignition in the off position, the system can retain a charge and electrical damage may occur from cutting wires

Step 2: Before cutting or removing anything from the car it is imperative that the wire colors and positions in the connector are noted down. Figure #1 below has a listing of SOME of the common wire colors however, there are many different possibilities, so care must be taken to record the exact color and location of each wire on all four connectors.

Step 3: Unplug all of the coils and remove the 10mm fastener holding down the ground wires to the valve cover. Cut the harness back to approx 6-7 inches from where the coil harness joins the main trunk of the harness. Make sure that the cut is square and that all of the wires are the same length. The new harness can be laid in as a template for where to cut the harness as well.

Step 4: Cut back the vinyl wiring harness covering using a razor blade approx 1.5” to be able to work easily with the wires in the harness and slide shrink tube over harness. Be cautious not to cut too far back, only as much as needed.

Step 5: Strip each wire back and crimp pins on each wire in the bundle.

Step 6: Using Figure 2 below, Push pins thru the back of the connector housing until pin sit flush with front face of housing. Once all Pins are in, install the wedge lock into the housing.

Step 7: Slide up shrink tube to back of connector, and use heat gun to activate. Reconnect all coils and be sure to install ground lug to valve cover. Reconnect Battery and start car.

Figure 1:

Pinnouts	Cylinder 1 Connector	Cylinder 2 connector	Cylinder 3 Connector	Cylinder 4 Connector
Pin 1 – 12V+	Red / Green	Red / Green	Red / Green	Red / Green
Pin 2 – Ground	Brown	Brown	Brown	Brown
Pin 3 – ECU Trigger	Blue / Red Grey	Blue / Yellow Grey / Brown	Yellow / Green Grey / Black	Brown / Green Brown / White Brown / Black
Pin 4 – Valve Cover Ground	Brown / Yellow Brown / White	Brown / Yellow Brown / White	Brown / Yellow Brown / White	Brown / Yellow Brown / White



Figure 2:

12 Pin Deutsch Connector pinnout

1. #1 Coil Connector - pin 3
2. #2 Coil Connector - pin 3
3. #3 Coil Connector - pin 3
4. #4 Coil Connector - pin 3
5. Coil Connector – Pin 2, Common Ground
6. Coil Connector – Pin 2, Common Ground
7. Coil Connector – Pin 2, Common Ground
8. Coil Connector – Pin 2, Common Ground
9. Coil Connector – Pin 1, Common Power
10. Coil Connector – Pin 1, Common Power
11. Coil Connector – Pin 1, Common Power
12. Coil Connector – Pin 1, Common Power