

MSD INSTALLATION INSTRUCTIONS

MSD DIS Coil Interface Module PN 8870

ONLINE PRODUCT REGISTRATION: Register your MSD product online. Registering your product will help if there is ever a warranty issue with your product and helps the MSD R&D team create new products that you ask for!

PARTS INCLUDED:

1 - DIS Coil Interface Module
4 - Retaining Screws
1 - Gasket

SPECIAL TOOLS REQUIRED:

Volt Meter

WARNING: During installation disconnect the battery cables. When disconnecting the battery, always remove negative cable first and install it last.

The MSD DIS Coil Interface Modules are designed to ease installation of an MSD DIS Ignition Control to GM vehicles with coil packs. The Interface Module separates the coil terminals and the ignition module terminals.

The Interface Module has four wires; two White and two Black wires, that connect to the MSD DIS Ignition. The White wires carry the MSD high voltage to the coil terminals.

The Black Wires are responsible for triggering the MSD and supplying a 12 volt ignition source (Figure 1).

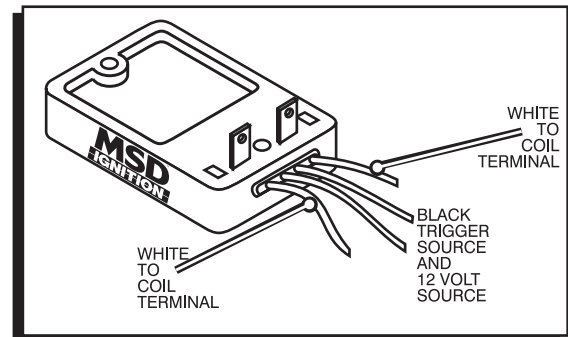


Figure 1 Interface Module Wiring.

Factory ignition modules are not consistent in which terminal of the ignition module supplies 12 volts. In order to properly install the DIS Ignition, you will need to confirm which terminal of the ignition module supplies 12 volts. To do this, a volt meter is required. Before beginning the installation, review the MSD DIS Ignition Control instructions.

1. Mark the location of each spark plug wire and its corresponding coil pack. Remove the spark plug wires from the coils.
2. Remove the two bolts that retain the coil packs and remove the coil from the factory ignition module.
3. There will be two male terminals beneath each coil pack. To ensure which terminal is the 12 volt source, use a volt meter and probe (test) each terminal, with the ignition turned On (Figure 2). A blank diagram is supplied in Figure 4 that allows you to note your vehicle's wiring.

Note: Some applications require that the engine be cranked momentarily before 12 volts are present on the terminal. Check all of the terminals with the key On. If 12 volts is not present, check the terminals while cranking the engine. Note the 12 volt terminals.

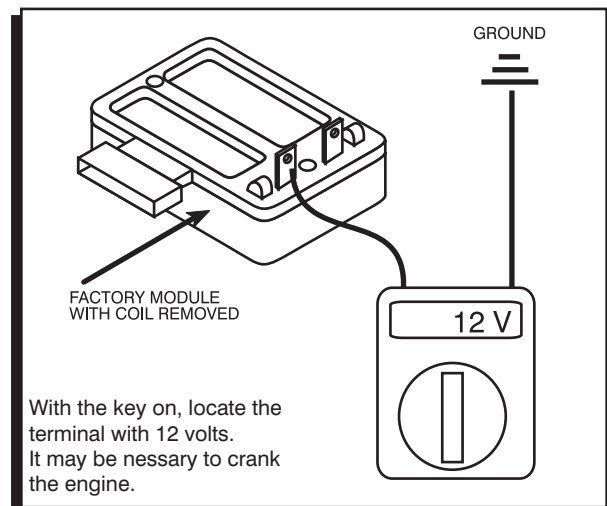


Figure 2 Identifying 12 Volts.

4. With the 12 volt terminals identified, mark the four wires of the Interface Module (Figure 3). The White wire above the 12 terminal wire will always be Coil Positive (+). The other White wire will always be the coil negative wire.
5. The Black wire above the 12 volt terminal will always be the 12 volt source to the MSD. The other Black wire is the trigger source.
6. Position the MSD Interface Modules on the ignition module and terminals.
7. Remove the protective backing from the gasket and install the gasket with the adhesive side towards the interface module.
8. Install the Coil using the longer bolts supplied with the Interface Module and connect the spark plug wires.
9. Refer to the DIS Ignition Instructions to connect the wires.

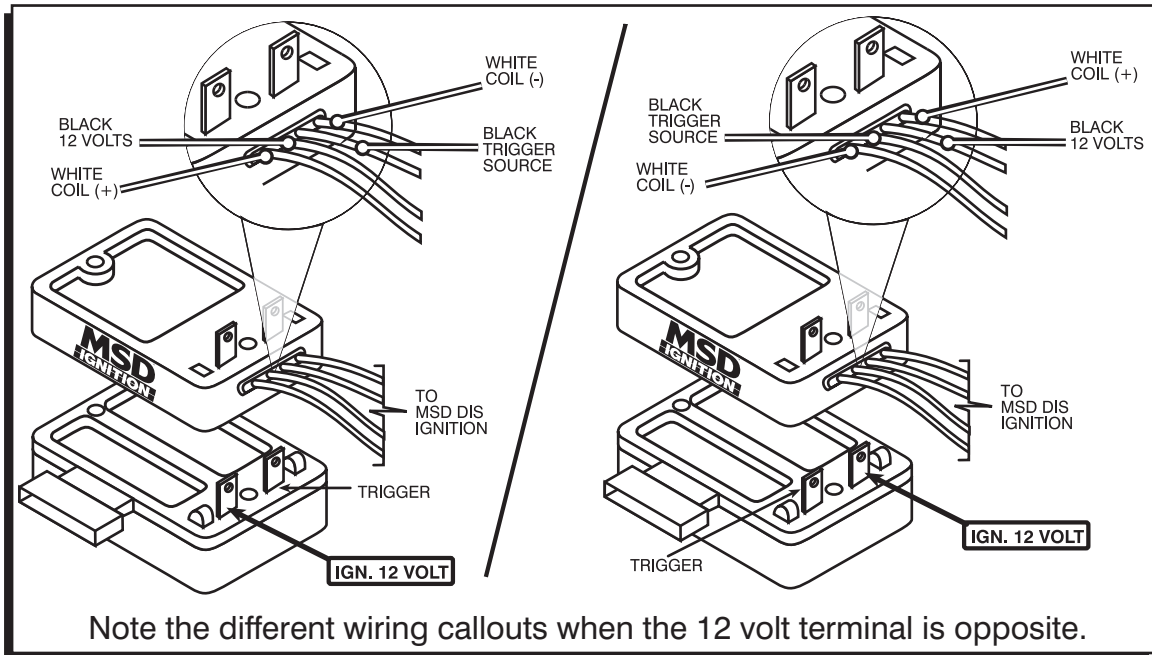


Figure 3 Wiring After Locating the 12 Volts Terminal.

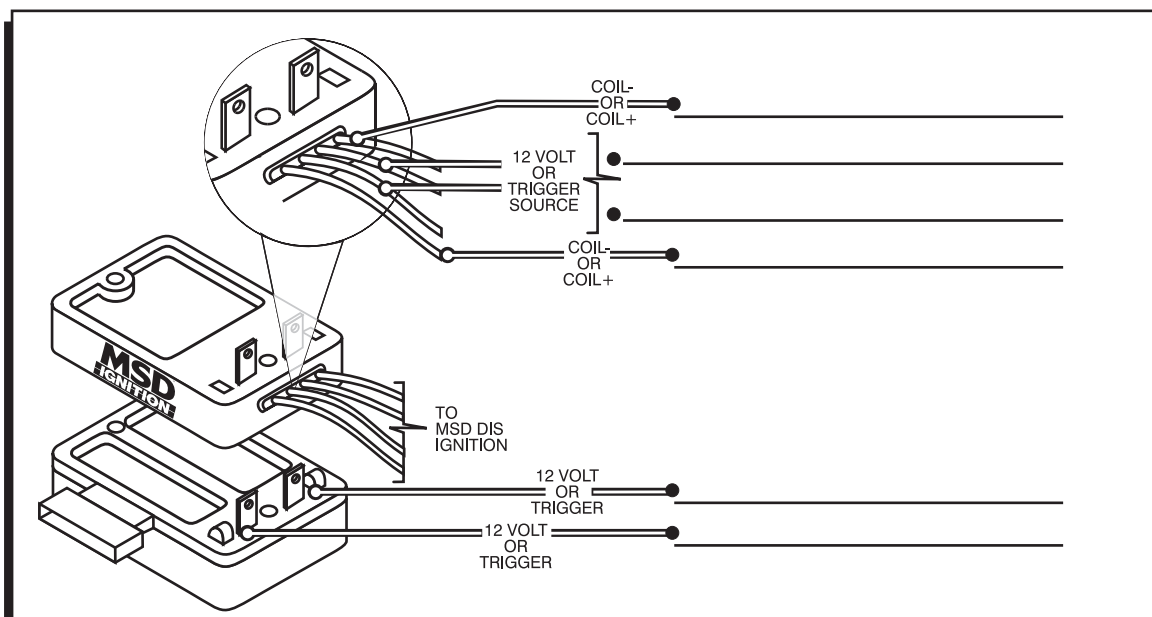


Figure 4 Write in Your 12 Volt Application.

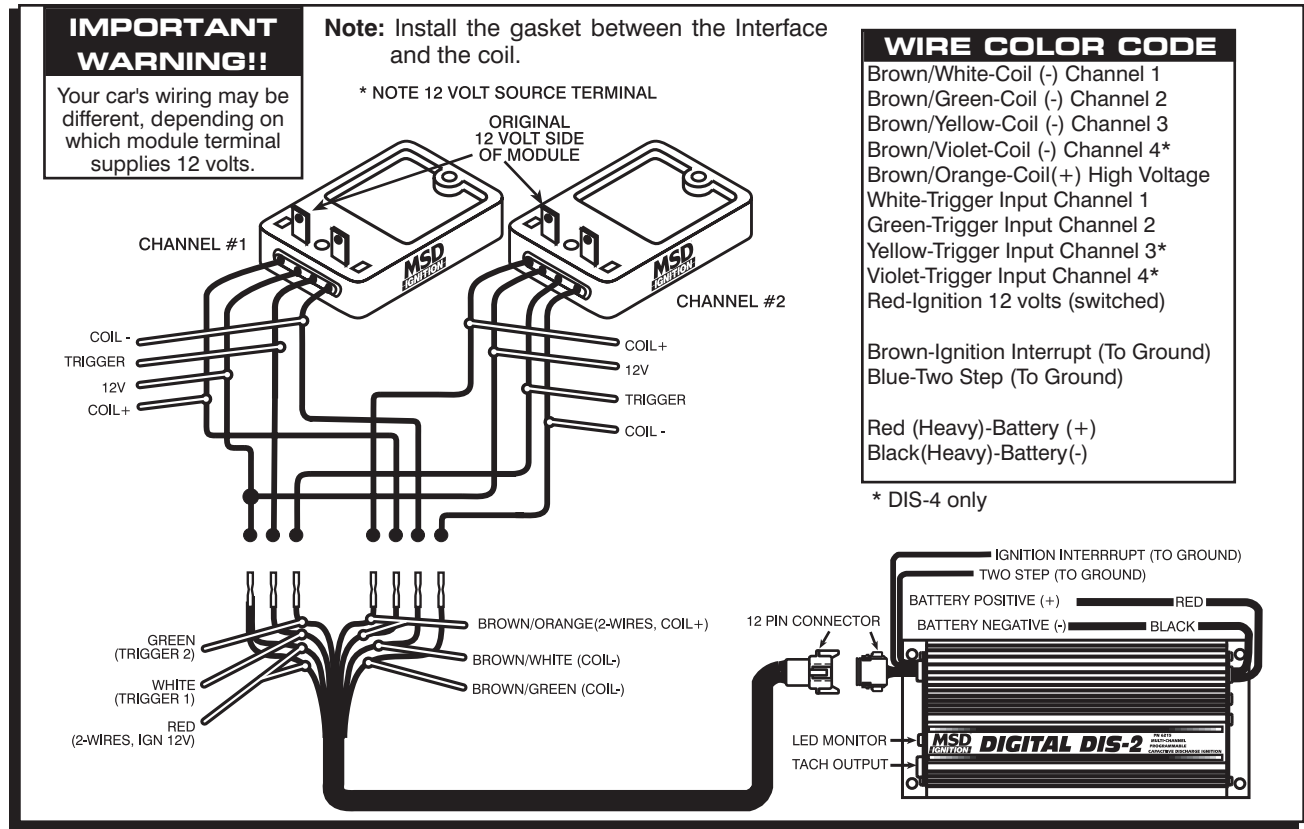


Figure 5 Typical Wiring to a DIS-2 Ignition.

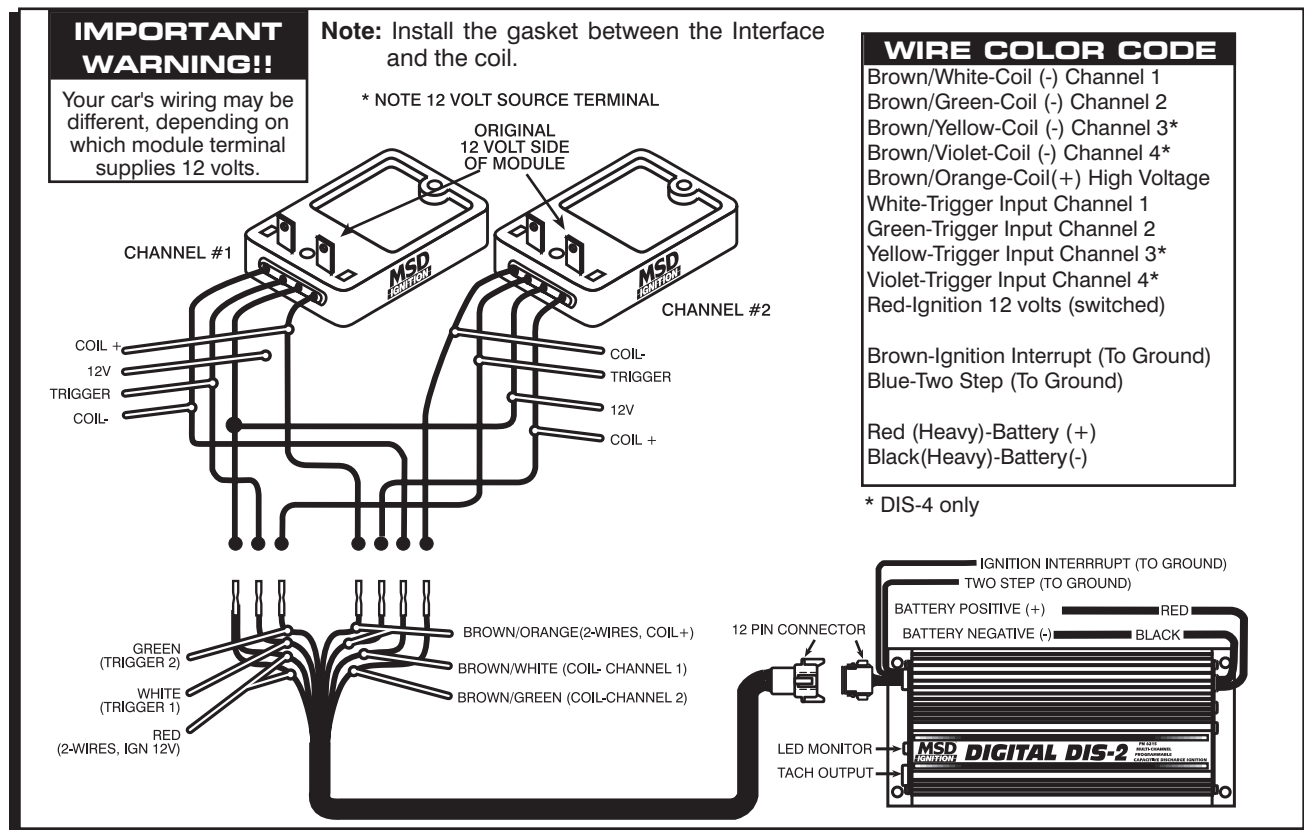
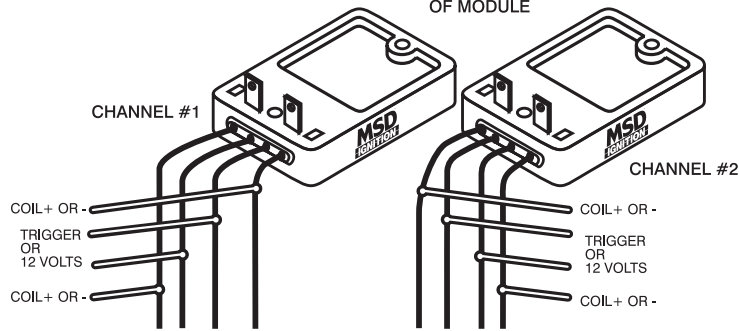


Figure 6 Typical Wiring to a DIS-2 Ignition.

Use this diagram to plot your engine's wiring.

Note: Install the gasket between the Interface and the coil.

START BY INDICATING WHICH TERMINAL IS THE 12 VOLT SIDE OF MODULE



WIRE COLOR CODE

Brown/White-Coil (-) Channel 1
 Brown/Green-Coil (-) Channel 2
 Brown/Yellow-Coil (-) Channel 3*
 Brown/Violet-Coil (-) Channel 4*
 Brown/Orange-Coil(+) High Voltage
 White-Trigger Input Channel 1
 Green-Trigger Input Channel 2
 Yellow-Trigger Input Channel 3*
 Violet-Trigger Input Channel 4*
 Red-Ignition 12 volts (switched)

Brown-Ignition Interrupt (To Ground)
 Blue-Two Step (To Ground)

Red (Heavy)-Battery (+)
 Black(Heavy)-Battery(-)

* DIS-4 only

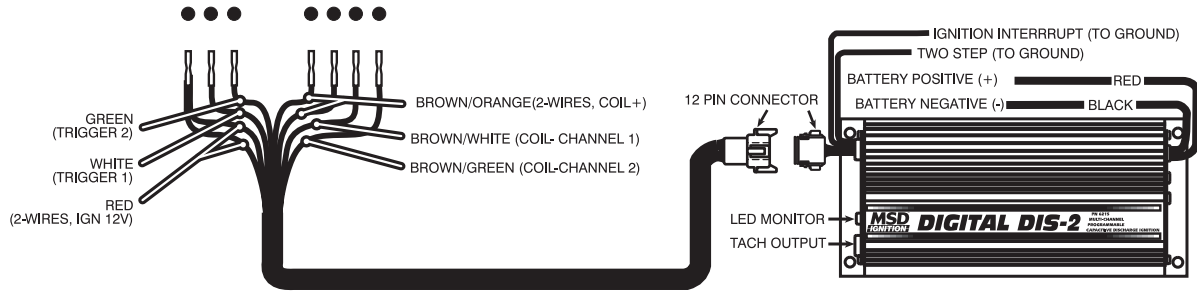


Figure 7 Your Wiring.