



GM DISTRIBUTORLESS IGNITION SYSTEM ULTRA COILS

INSTALLATION INSTRUCTIONS

I INSTALLING JACOBS' HIGH PERFORMANCE COIL(S) ("DELCO" TYPE)

Caution: *Disconnect the negative battery terminal before proceeding!*

STEP 1: IDENTIFY COIL LOCATION: The coils will usually be located on the top of the engine (V6s) or on the back of the engine (4cyl). (Refer to Fig. 1, below)

STEP 2: MARK THE SPARK PLUG WIRES: Mark the wires before you remove them to maintain the correct firing order! Then remove the spark plug wires from the coils. (Refer to Fig. 2 - 3, below)

STEP 3: REMOVE THE OEM COILS: Each coil is held to the module backing plate by two (2) bolts. Remove both bolts before gently lifting off each coil. Remove all of the coils from the backing plate before proceeding. (Refer to Fig. 4, below)

STEP 4: CLEAN THE MODULE AND THE MODULE MOUNTING SURFACE: Once all the coils are removed, the ignition module can be gently lifted away from its mount. Using a clean shop towel, remove any dirt or silicone grease from the mount and the back of the module (Refer to Fig. 5 - 6, below)

STEP 5: APPLY HEAT TRANSFER GREASE: Spread new heat transfer grease (included) on the back of the module and on the modules mounting surface. Carefully position the module onto the mounting surface. (Refer to Fig. 7, below)

Note: The module has two locating pins molded into it that **MUST** fit into the alignment holes on the mounting surface. It is extremely important that the module be aligned correctly with these pins in their perspective holes! If the module is not aligned correctly, there will not be enough heat transfer between it and the mounting surface and it will overheat and fail quickly!

STEP 6: INSTALL THE NEW JACOBS ELECTRONICS HIGH PERFORMANCE COILS: Carefully install the new Jacobs Electronics High Performance Coils onto the module backing plate. Make sure the electrical connect tabs for each coil is inserted correctly, also make sure it is still aligned correctly before tightening the coil bolts! Reinstall the spark plug wires in the same order they were removed.. (Refer to Fig. 8, below)



FIGURE 1



FIGURE 2



FIGURE 3



FIGURE 4



FIGURE 5



FIGURE 6



FIGURE 7



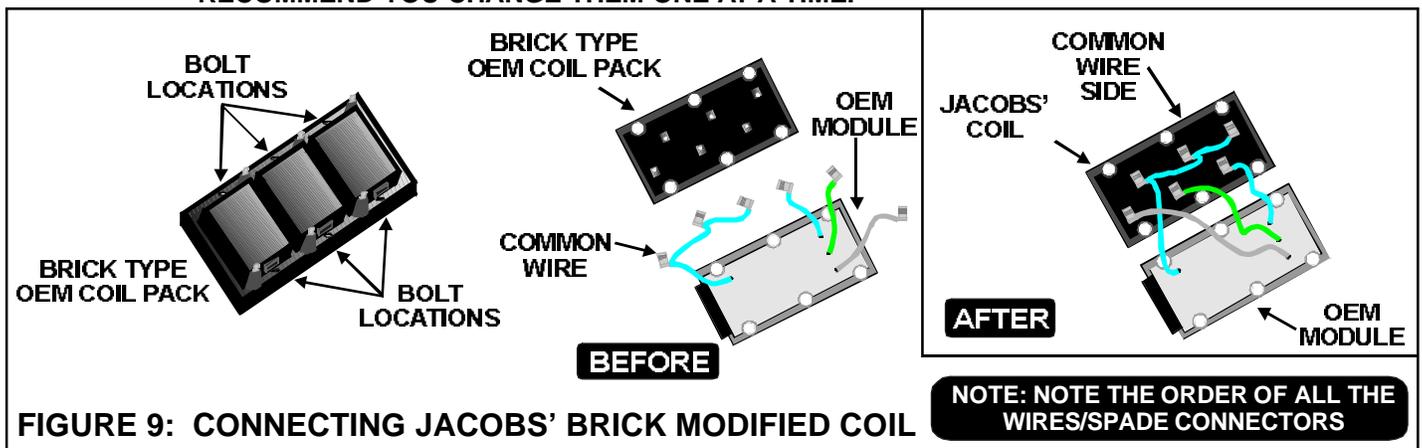
FIGURE 8

ARB E.O. No D-19-33

II INSTALLING JACOBS' HIGH PERFORMANCE COIL(S) ("MAGNAVOX" TYPE)

1. Note the location of each spark plug wire and remove them from the "MAGNAVOX" TYPE COIL. (Refer to Fig. 9, below)
2. Remove the 6 bolts securing the "MAGNAVOX" TYPE COIL to the OEM MODULE.
3. Gently lift up the "MAGNAVOX" TYPE COIL.
4. Note that there are four wires that connect to the bottom of the "MAGNAVOX" TYPE COIL. One wire will have three spade connectors on it and is called a "COMMON WIRE", the remaining three wires will have one spade connector each.
5. Unplug the three spade "COMMON WIRE" from one side of the "MAGNAVOX" TYPE COIL, and note the order of the remaining individual wire/spade connectors (left, center, right).
6. Unplug the remaining three connectors.
7. The "MAGNAVOX" TYPE COIL can now be removed from the car. (Leave the rubber gasket attached to the base, it will be reused.)
8. Plug in the "COMMON WIRE" connections to the side of the "MAGNAVOX" TYPE COIL that it was connected to in the original coil.
9. Plug the remaining three wire/spade connectors to the bottom of the "MAGNAVOX" TYPE COIL in the same order they were unplugged from the OEM COIL PACK (left, center, right, etc.).
10. Gently place the "MAGNAVOX" TYPE COIL back over the OEM MODULE (make sure it is located correctly!) and reinstall the six bolts removed in Step 1. Tighten evenly.
11. Transfer the spark plug wires to the "MAGNAVOX" TYPE COIL one at a time in the same relative location and order as on the OEM COIL. This will maintain the correct firing order.

Note: IF YOU DECIDE LATER TO INSTALL JACOBS' ENERGY CORE SPARK PLUG WIRES WE ALSO RECOMMEND YOU CHANGE THEM ONE AT A TIME.



IF YOU NEED HELP

WITH WARRANTY, TECHNICAL INFORMATION OR INSTALLATION ASSISTANCE:

Call toll free: 1-800-955-3345

M-F 9:00 AM - 6:00 PM CST

LIMITED WARRANTY

JACOBS ELECTRONICS, INC. warrants its COILS to be free from defects in materials and workmanship under normal use and if properly installed for as long as you own your vehicle. This warranty is given only to the original retail purchaser of the COIL. The obligation of JACOBS under this warranty is limited to repairing or replacing, at its option, any product proven to be defective as mentioned above and returned to JACOBS, postage prepaid, within the warranty period. You **must** obtain a valid return authorization number from JACOBS before returning any merchandise. JACOBS is not authorized to accept returns without a valid authorization number. **CLEARLY PRINTED ON THE OUTSIDE** of the package. All parts returned under this warranty become the property of JACOBS. This shall constitute the sole remedy of a purchaser under this warranty and the sole liability of JACOBS.

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