

INSTALLATION INSTRUCTIONS

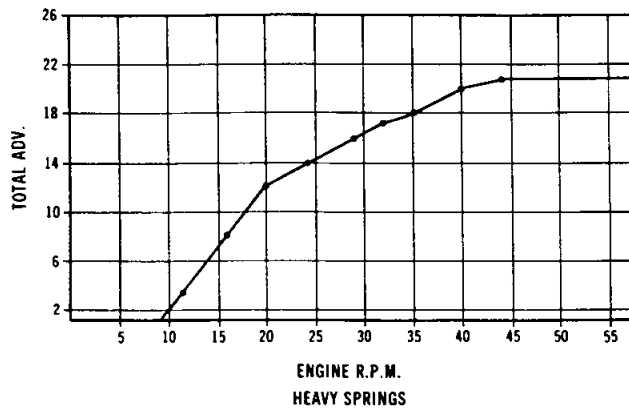
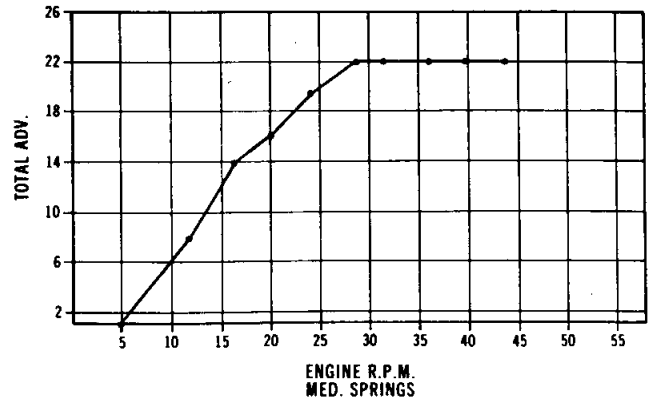
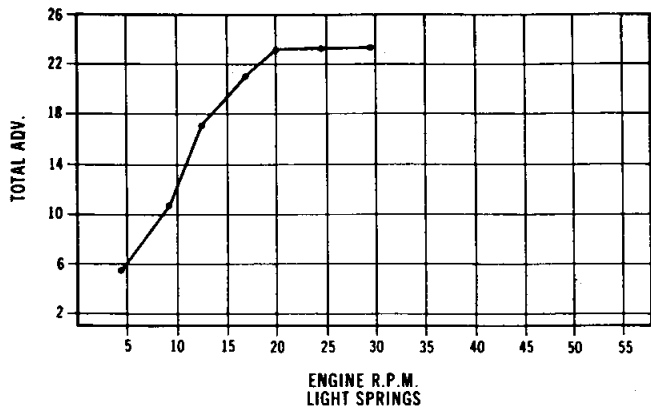
For **ACCEL**®

HEI *Intensifier* KIT

#12100
FOR GM DISTRIBUTORS

**CANNOT BE USED ON G.M. CRANK
TRIGGER OR C-4 SYSTEMS**

ACCEL PERFORMANCE IGNITION
P.O. BOX 142
BRANFORD, CT. 06405



To approximate specific mechanical curves use spring graphs illustrated above when using a stock G.M. HEI Distributor that has stock HEI weights.

The curves listed above represent only approximate curves. Variations could come about from a variety of things. i.e. Lack of Lube - Rust or other than stock advance weights.

For optimum performance retain the stock H.E.I. advance weights.

Recommended advance spring usage:

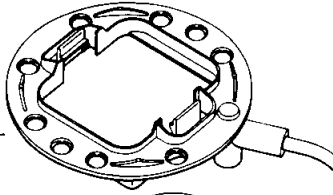
<u>Tensions</u>	<u>Usage</u>
Light	All drag racing
Medium.....	All small block street engines and all round trackers
Heavy	All big block street engines

INSTALLATION H.E.I. INTENSIFIER

1. Park on level ground.
2. Set the parking brake. Place standard transmission automobile in gear. Place automatic transmission automobile in park.
3. Open the hood and remove the air cleaner from the engine, being careful when disconnecting heat riser tubes, PCV valve, and any vacuum lines. Take notice of how many and where to replace such items.
4. Remove positive battery cable for protection of electronics during installation of your new ACCEL H.E.I. Intensifier Kit.
5. Looking at the top of the distributor, carefully unsnap the locking tabs that hold the spark plug cable retaining ring (1) to the distributor cap. Be sure that spark plug wires do not become disconnected or dislodged from retaining ring during the removal process. If the plug wires are also removed from the spark plugs, be sure to number the wires so they can be replaced to the correct cylinder for proper firing order sequence.
6. Disconnect from the cap; the Red battery terminal connector plug (13), the coil/control module terminal (14), and the Brown Tach terminal connector plug (15) if vehicle is equipped with Tach.
7. Remove the distributor cap (7) by turning the four hold-down screws counterclockwise 1/2 turn. This will enable you to remove the distributor cap (7), coil, and coil cover (2) from the distributor.
8. Remove distributor rotor (8) by unscrewing the two hold-down screws.
9. At this point, lay out all the pieces of the H.E.I. Intensifier Kit and identify each piece.
10. Now remove the advance weight springs (9) from the distributor and the advance weights (10), and then check the advance weight pins for excessive wear or for being loose. Clean the advance weight pads, and if rusted or corroded clean with crocus cloth or emery paper. Do the same for the advance weights (10).
11. At this point check the enclosed charts and select the proper advance weight springs for the vehicle/engine configuration. Reinstall advance weight springs.
12. Install the new ACCEL H.E.I. rotor (8) and snug the hold-down screws properly.
13. Carefully clean the ACCEL H.E.I. cap (7) and coil post adapter (4). Insert the carbon brush (6) in the hole in the center of the cap, making certain it is seated properly. The round rubber washer (5) provided should be liberally coated on both sides with the silicone grease included.
14. Place the rubber washer (5) into the top of the distributor cap (7), and install the coil adapter assembly (4). Secure the coil adapter with the four screws included.
15. Take the coil high tension lead wire (3) and slide the 90° silicone boot off the high tension lead (3) thread the lead through the coil cover (2) and then lube the high tension lead end with silicone grease (X)* easing the replacement of the 90° silicone boot. Snap the high tension coil wire (3) in place on the coil adapter assembly (4). Install the new coil cover (2) in place on the distributor cap (7). Secure the coil cover (2) with the screws from your old H.E.I. distributor cap assembly.
16. Replace the ACCEL H.E.I. cap (7) assembly on the distributor, making sure it is properly seated. Failure to check the cap alignment could result in cap and rotor damage!
17. Locate and secure your new ACCEL Super Coil (11) no farther than 15 inches from the distributor, using the included bracket. Connect the enclosed wiring as indicated in the following illustration, making sure all wires match the color code in the illustration. (Failure to carefully follow the wiring diagram could result in damage to the H.E.I. control module).
18. Transfer the spark plug wires (12) from the old cap to the new cap, or install a new set of ACCEL 8mm wires.
19. Replace the spark plug wiring harness, making sure all wire leads are securely snapped onto the distributor cap. (If the wire leads were removed from the spark plugs, replace in the proper firing sequence.)
20. Now is the time to recheck all terminal connections, making sure all is secure. Check the wiring diagram to be certain all primary leads are properly connected and **NO** crosswiring has been done. Replace the positive battery cable and start the engine...

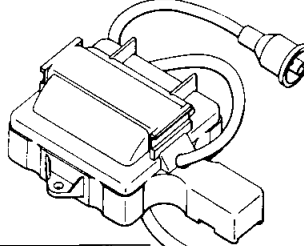
*(X) Supplied in kit.

(1) SPARK PLUG CABLE RETAINING RING



(12) SPARK PLUG WIRE

(2) COIL COVER



(3) COIL HIGH TENSION WIRE



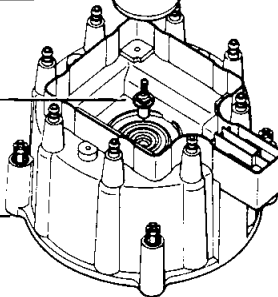
(4) COIL ADAPTOR ASSEMBLY



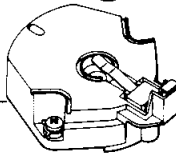
(5) RUBBER WASHER



(6) CARBON BRUSH



(7) DISTRIBUTOR CAP

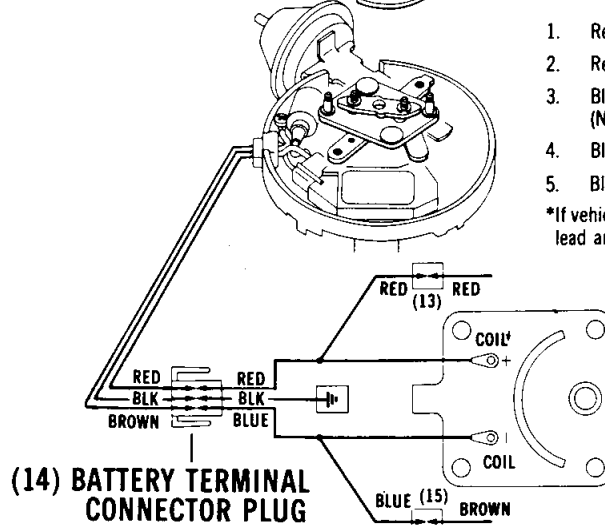


(8) ROTOR

(9) ADVANCE WEIGHT SPRINGS



(10) ADVANCE WEIGHTS



(14) BATTERY TERMINAL CONNECTOR PLUG

ACCEL SUPER COIL (11)

1. Red wire to Red battery terminal connector plug (13).
2. Red wire to coil +.
3. Black wire to Black wire supplied, and ground to firewall or chassis (Not Coil -).
4. Blue wire to Coil -.
5. Blue wire* to Brown tach terminal connector plug (15).

*If vehicle is not equipped with Tach; snip this portion of the supplied Blue lead and tape with electrical tape to prevent accidental grounding.