

CRT PERFORMANCE HP HEI DISTRIBUTOR

INSTALLATION INSTRUCTIONS

(These instructions are generic instructions that should be used only as a guideline for installing your new CRT Performance HEI Distributor, however, some vehicle applications may require slightly different steps and therefore the appropriate vehicle's service repair manual should first be consulted. **You will need to establish your engine's firing order prior to installation.**)

- STEP 1:** Disconnect your negative battery terminal.
- STEP 2:** Locate your #1 spark plug wire on your distributor cap and mark the cap accordingly if it is not already identified.
- STEP 3:** Remove all spark plug wires from your engine. Remove all Spark Plugs from your engine.
- STEP 4:** Put the appropriately sized socket wrench on the center bolt of your engine's lower crankshaft pulley. By turning the socket wrench clockwise, bring the timing mark on your crankshaft pulley all the way around until it is lined up perfectly with the TDC mark on the front of your engine.
- STEP 5:** Lift off your distributor cap and note the position of the rotor. It should be pointing directly at the #1 position on the cap which you previously marked. If it is NOT, then secure the distributor cap and repeat steps #4 and #5.
- STEP 6:** Disconnect your stock distributor from the engine and wiring. Disconnect the stock ignition coil from the wiring harness if you have an external coil.
- STEP 7:** Remove the old ignition coil and distributor from your engine. **Note that your rotor will turn counterclockwise a little when you pull the distributor out of the engine.** Now is a good time to inspect your old drive gear. If *excessive* wear is evident, your new HEI distributor drive gear may not mesh well with your old cam gear. Replacing your cam gear is recommended in this case. (This is not common, however, better to inspect these things now than to have problems later.)
- STEP 8:** With a flashlight, look down into the hole of the engine where the distributor fits. You will see a "slotted" shaft. Holding your distributor as if you are ready to lower it into your vehicle, position the shaft so that the distributor shaft will fit into the "slot" down inside the engine. You will have to turn the shaft one way or the other just a little so that when you set the distributor into the engine, it will turn back as the distributor drive gear seats into place. (Turn the shaft back approximately the amount that the gear turned as you pulled it out in STEP #7) The distributor should sit ALL THE WAY DOWN and rest nicely on the engine block. If it doesn't, pull it out and try again until it does.
- STEP 9:** Install your new Rotor onto your new distributor. Place your new Distributor Cap on the new distributor, ensuring that you align the small square tab inside the cap with the notch on your distributor housing. Note which spark plug wire terminal the rotor is pointing closest to. Tighten down the distributor hold down clamp and mark the spark plug terminal on the distributor cap #1. Secure the cap to the distributor. *Be sure to attach the black 3-wire harness plug coming off of the distributor housing to the distributor cap. (fits behind the PINK Power and Green Tach leads.)
- STEP 10:** When installing NEW Spark Plugs or your old plugs, gap them to 0.050" – 0.055" and install them in your engine.
- STEP 11:** Using the proper firing order for your engine (consult your vehicle's repair manual), begin attaching your new HEI spark plug wires at the #1 terminal on the

distributor cap. (Make sure you use at least 8MM spark plug wires for your new HEI Distributor. Your stock wires WILL NOT carry the voltage!)

STEP 12: You must now find a 12V switched power lead to power your new HEI distributor.

STEP 13: Reconnect your negative battery terminal.

STEP 14: You're now ready to start your engine! When you start it for the first time, it will probably run fairly rough. You will need to let the engine warm up COMPLETELY to full operating temperature before you can begin to time it properly.

STEP 15: Once the engine is completely warmed up, loosen the distributor hold down clamp just a little. Using a timing light, turn the distributor whichever way is necessary to bring the timing to your vehicle manufacturer's recommended timing specification. You may find that by advancing your timing a bit beyond the manufacturer's specs you will achieve maximum horsepower and acceleration with your new CRT Performance distributor.

STEP 16: Tighten the distributor hold down clamp and connect your vacuum line to the distributor's vacuum advance control unit. **YOU'RE DONE!**

Since every vehicle's engine is slightly different, you may need to experiment with the timing in order to achieve maximum results. **Your new HEI distributor is also equipped with an "Adjustable Vacuum Advance" unit which can be adjusted by inserting a 2.5mm allen wrench into the end of the vacuum canister and turning it. Each full turn is equal to 2 degrees of advance.**

You will surely notice an improvement in gas mileage, overall performance, and a smoother idle. Not to mention the GRUNT off the line! Good luck!

Best regards,
CRT Performance, LLC
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PLEASE NOTE: These instructions are for reference purposes only. These instructions are intended to simplify the installation of an HEI distributor. It is assumed that the installer of this HEI distributor has basic mechanical knowledge. If there are any questions regarding the installation of this HEI distributor, the installer should consult an actual AUTOMOTIVE REFERENCE MANUAL for proper procedures, prior to installation. Some steps in the above mentioned installation procedure may vary depending on the Year/Make/& Model of your vehicle. Although the results of installing these HEI distributors, historically, are only known to be positive, CRT Performance cannot be held responsible for faulty installation or damage caused to any vehicle during or as a result of the installation of a GM-style HEI Distributor. Emissions laws and regulations vary from one state to another. Check with your local state emissions regulations prior to installing an HEI Distributor.