



Installation Instructions

99020 RTR Distributor

Carb EO #
XXXXXXXXXX

Note: We recommend that you read the entire instruction sheet before beginning the installation.

1. If you are replacing an old HEI distributor note the position of the vacuum advance and the wire connector on the distributor cap. Without removing any of the spark plug wires, remove the existing distributor cap from the distributor base.
2. Select a fixed point on the engine or firewall and crank the engine until the rotor is facing this position. Make a mark on the engine or firewall so that the new distributor can be installed in the same position.
3. Loosen the distributor clamp (do not remove) and push away from the distributor base.
4. Remove the distributor from the engine. The rotor will turn as the distributor is removed due to the cut of the distributor and camshaft gears. You will need to take this into consideration later in step #7 during the installation of the new distributor.
5. Place the new gasket over and not into the distributor hole in the intake manifold.
6. Remove the distributor cap, coil and coil cover as an assembly from the new distributor.
7. Insert the new distributor into the engine by engaging the oil pump drive and camshaft gear while aligning the rotor with the mark you made earlier taking into consideration the amount of rotor movement needed to engage the gears. If, for some reason, the distributor does not seat fully you may need to turn the oil pump drive slightly with a long screwdriver prior to installation in order to engage the oil pump drive.
8. If replacing an old HEI distributor turn the new distributor so that the vacuum advance matches the positions as noted with the old distributor. Install the distributor clamp and snug, do not tighten.
9. Install the new distributor cap – note the alignment tab location, If you are replacing an old HEI distributor the primary connector should match the position as noted with the old HEI distributor. Install coil and coil cover assembly and plug the 3-pin connector into the cap in the B+, GND and C- positions.
10. Using the old cap as a reference remove and install one spark plug wire at a time onto the new cap. This will assure the correct position for the firing order.
11. Connect the remaining power and tach wires as follows:
 - a) Connect the switched 12-gauge wire from a 12-volt source to the BAT terminal on the distributor cap.
 - b) For vehicles not originally equipped with HEI distributor a harness kit p/n 170072B is sold separately. Follow steps 11a & 11c.
 - c) To utilize a tachometer, if so equipped, connect the trigger wire from the tachometer to the TACH terminal on the distributor cap.
12. Start the engine, check and adjust the initial timing with a timing light. Tighten hold down clamp.
13. Connect the vacuum advance unit by means of a vacuum hose to a ported vacuum outlet. This will be located above the throttle plate(s) at the base of the carburetor.
14. The advance mechanism can be adjusted by inserting a 3/32" or 2.5mm hex wrench into the vacuum hose nipple on the canister at the base of the distributor. Turning the hex wrench clockwise increases the amount of vacuum advance, while turning it counter-clockwise reduces the amount of vacuum advance.
15. The mechanical advance is set up at the factory for a curve that begins at 1000 RPM and yields 18 degrees of mechanical advance, all in by 3000 RPM. If the distributor's mechanical advance needs to be recurved to match the requirements of your specific engine, a spring kit p/n 7466 is sold separately.
16. Consumables and tune items such as; cap, rotor, dust cover, spark plug wire retainer, ignition coil, 4-pin module, vacuum advance and driven gear are all available and sold separately.

Affix the E.O. Label (xxxxxxxx) on or adjacent to the ignition system assembly.

3-Year Limited Warranty

3-Year Limited Warranty on FiTech EFI Systems FiTech extends the following limited warranty to the original purchaser of a FiTech EFI system purchased after November 1, 2022. FiTech warrants its products against defects in materials and workmanship, under normal use and service for 3 years from the date of original purchase. **However, that does not extend to issues that arise because of normal wear and tear. This means that typical degradation from regular use, which can occur over time, is not covered under our warranty terms.** This applies only to the original purchaser and the parts must remain installed on the original vehicle for which they were purchased. This warranty is void if the product was improperly installed, was installed on a vehicle for which it was not designed, if it was modified in any manner, or was removed from the original vehicle and reinstalled on another vehicle. Coolant temperature sensors, oxygen sensors, distributor caps, and distributor rotors are not covered under this warranty. This warranty shall not apply to any product installed improperly, or contrary to FiTech's instructions, altered, misused, repaired or damaged from an accident, collision, or willful or negligent act. To make a claim under the terms of this Warranty, the original purchaser must contact FiTech tech support. If FiTech tech support deems the product in need of warranty service, proof of original purchase will be required. Purchaser must call FiTech Technical Support (951-340-2624) option 2 or email: Techmail@fitechefi.com, to obtain a Returned Material Authorization (RMA). Proof of purchase must clearly show the place of purchase, purchase price, product purchased, and date of purchase. Purchaser needs to register their product here: <https://fitechefi.com/warranty-registration> or using the mail-in registration form found in the product box. FiTech's 3-Year Limited Warranty does not cover factory refurbished parts, this warranty is only valid for new purchases from an authorized dealer. FiTech's liability is expressly limited to replacing or repairing the defective part or parts (refunds are not covered under FiTech's 3- year Limited Warranty). FiTech will have no liability for the cost of installation or removal of the defective product or for the cost of labor or any additional parts required to complete the installation of the replacement product. FiTech is not responsible for any shipping charges accrued during the warranty process/claim. In no event will FiTech be liable for any indirect, special, incidental, or consequential losses or damages (including but not limited to interruption of business or loss of business or profit) resulting from the use or inability to use the product, any breach of warranty, or any defect in the product, even if FiTech shall have been advised of the possibility of such potential damages or losses. Some states do not allow the exclusion or limitations of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state. If the product is in the FiTech facility for repair, the amount of time the product is in repair will be added to the existing warranty period. In the event that your EFI System that is under warranty is in for repair and FiTech has authorized a replacement, and if that EFI System has been discontinued, FiTech will replace it with a similar product for the same application. The replacement EFI System will maintain the existing warranty period of the original EFI System.

California Proposition 65 Warning: This product may contain one or more substances or chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.