

# T-5119-BD Single Wire 12 Volt Delco® Alternator

Please read these instructions entirely before installing your new alternator!

Your single wire alternator should include the following components:

- Alternator Assembly
- Alternator/Generator Gasket

Tools & Supplies required for the installation of your Alternator:

- 9/16" Combination Wrench
- 5/8" Combination Wrench
- 6" Adjustable Wrench

## **Caution:**

**A. This Alternator will not function on a positive ground electrical system. Make sure your Model T has a negative ground system like Henry made it.**

**B. As with any alternator, do not try to charge a dead battery with this alternator. We recommend that the battery be charged with an external battery charger if it is not capable of starting your car. When your car is left unattended for months, use an external battery charger to attempt to revive the battery.**

**Attempting to charge a completely dead battery could overload your Model T wiring harness and may result in the wire leading from the alternator catching fire!**

## **Installation:**

1. Disconnect the battery ground cable at the battery.
2. Disconnect the wire from the generator.
3. Remove the 3 bolts holding the generator, and remove the generator.
4. Install the alternator, using a new gasket or a little silicone. Do not enter into a contest of strength with the mounting bolts.
5. Reattach the wire that you disconnected from the generator to the "BAT" post of the alternator. This alternator is rated at 70 amps on a modern car, and will charge up to 20- 35 amps even at the slow RPM of a Model T engine.
6. Reattach the battery ground cable to your battery.

## **Important Things You Should Know**

- A. You cannot measure the output of the alternator by using a volt meter connected to the BAT terminal of the alternator only. The alternator needs a battery to be connected in order to begin charging. Your ammeter will show when the alternator is charging. Model T ammeters may "jiggle" wildly when you are driving down the road because of the vibrations of the car. The ammeter should be relatively steady when the car is sitting still and running.
- B. Please be aware that the new ammeters being sold by all of the major suppliers are sold for both the Model T and Model A. Since a Model A has a positive ground wiring system, when the ammeters are wired into a Model T according to standard Model T wiring diagram, the ammeter may show that the alternator is discharging the battery when it is actually charging. You can check the polarity of your ammeter by turning on your headlights when the engine is not running. The ammeter should show a slight discharge with the lights on and return to zero when you turn the lights off. If it functions backwards, reverse the position of the wires going to the meter. No problems will be created by switching the wires.
- C. If your battery is fully charged, it is normal for the ammeter to show that the alternator is charging only for a few minutes after you start your Model T. After that, the battery gets fully recharged from the load of starting the car, and the charging rate of the alternator will drop to almost zero.

## **LIMITED WARRANTY**

We will repair or replace this Delco alternator, for a period of 1 year from the date of purchase, if it wears out or fails to function properly under normal use. Proof of purchase date will be required, so be sure to keep your receipt. Since we don't install parts, the part must be installed on the type of individually owned and operated passenger vehicle for which it is designed. Of course, we cannot replace a part whose failure was caused by another faulty part, low fluid, poor maintenance, or other abuse.

That's what our warranty means in plain English, but we regret we must include this legalese, too: THIS LIMITED WARRANTY REPRESENTS THE TOTAL LIABILITY OF ANY WARRANTED PART, AND WE MAKE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. WE SHALL NOT BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. We reserve the right, at its option, to refund the customer's money instead of replacing a part. This warranty does not cover parts that are installed on marine, off-road, commercial, or government vehicles, or stationary units.

