

# Wiring Instructions Powermaster Ford 3G Alternator

Alternator P/N's 37759 47757 47759 57759 Adapter harness included



**Tech Dept**  
**(630) 849-7754**

## Powermaster 3G Ford Upgrade Alternator



Replaces these OEM Alternators

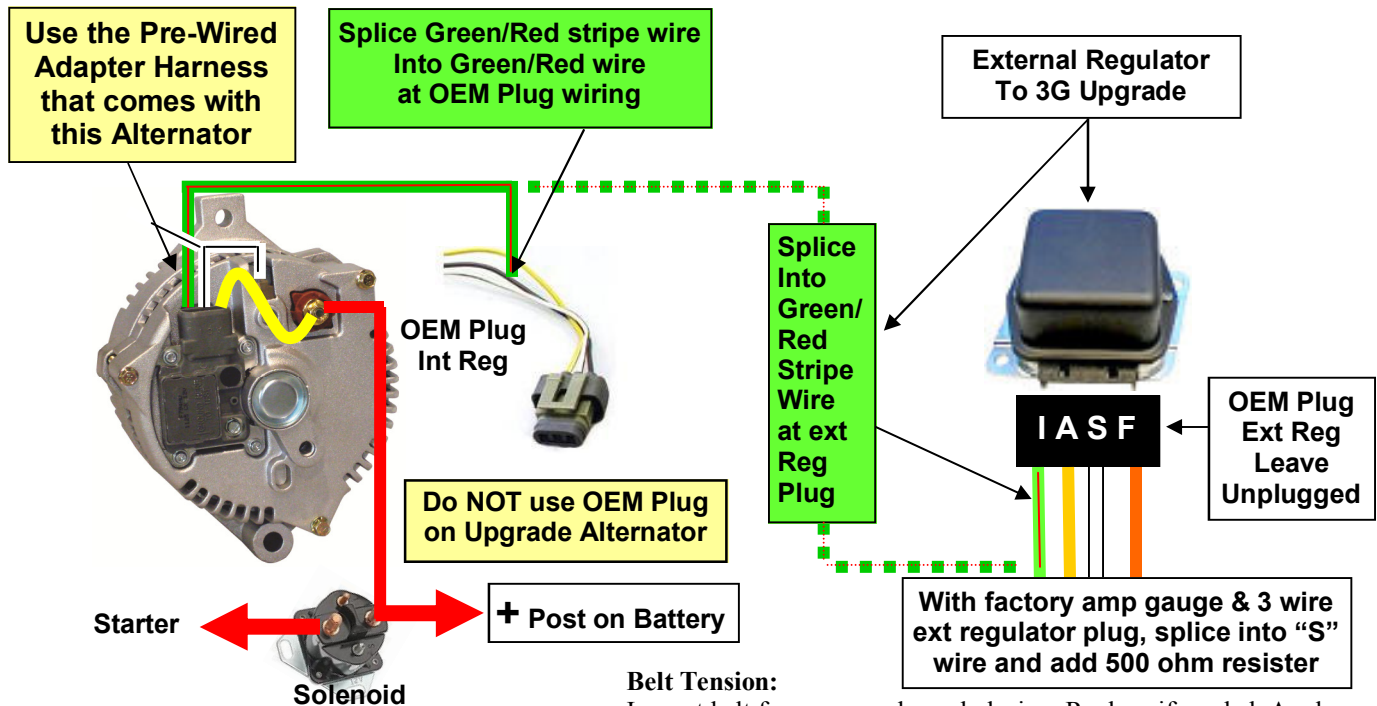


OEM Ford 2G Int  
Regulator  
1987-93



OEM Ford External  
Regulator  
1965-86

## Wiring Instructions from Internal & External Regulator to 3G Upgrade



### READ ALL INSTRUCTIONS IN BOX!

#### **Charge Wires: (OEM Battery Plug-in NOT Used)**

130 Amp Alt. use 4 gauge charge cable  
200 Amp Alt. use 2 gauge charge cable

#### **Alternator Ground:**

Many mounting brackets are powder coated or plated. The alternator can not ground properly with these coatings. Check ground resistance or just run a ground from the alternator to engine. Using at least an 8 gauge wire.

#### **Battery must be grounded to engine block.**

#### **Wire Connections:**

Be sure all terminals are crimped and soldered, and connections are clean and tight.

#### **Carbureted Engines w/Electric Choke:**

Connect choke wire to white/black stripe wire at alt. plug

#### **Belt Tension:**

Inspect belt for wear cracks and glazing. Replace if needed. Apply leverage to front housing only. Tighten belt, then check deflection normally 3/8-1/2". Place a pull handle and socket on pulley nut and turn clock-wise, try to make pulley slip. If pulley slips, re-tighten belt.. Recheck belt tension after running for 15 minutes.

**V-belts will slip unless they are very tight.**

#### **Battery Condition:**

**Charge and load test battery before starting engine.** The alternator isn't designed to recharge a weak or defective battery. Alternator damage can occur.

**Never disconnect the battery with engine running.** High voltage spikes will occur that damage the alternator and other components.

**FAILURE TO FOLLOW THESE INSTRUCTIONS MAY**

**VOID YOUR WARRANTY**

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