



# 1-Wire Alternator Installation instructions

## NOTE: DISCONNECT NEGATIVE CABLE FROM VEHICLE BATTERY

Before installation takes place, disconnect the negative cable from the vehicles battery. Not doing so could result in shorting out the electrical equipment during installation.

**Wire Sizing:** Selecting the correct wire size is critical for proper operation. 1-Wire alternators are more sensitive to wire size than an externally regulated unit. If there is too much voltage drop from the alternator to the battery, it will give a false reading to the internal regulator and cause the alternator to not charge. In many cases, The OEM wiring is not sufficient.

## RECOMMENDED WIRE SIZE

AMPS	Up to 10ft.	10 - 13ft.	13 - 16ft.	16 - 22ft.	22 - 28ft.
75 - 100	8	6	4	4	2
100 - 125	6	4	2	2	0
125 - 150	6	4	2	2	0
150 - 175	4	2	2	0	0
175 - 220	4	2	0	0	00

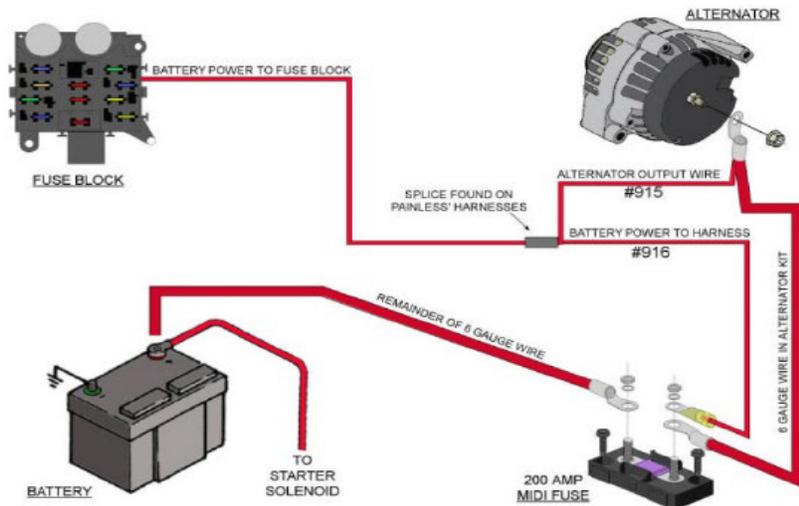
**Fuse Protection:** March Performance recommends that all 1-Wire alternators incorporate fuse protection between the battery and alternator. (See wiring diagram)

**Ground:** Your alternator must be properly grounded to operate correctly. Paint and corrosion can prevent an alternator from grounding through the “Alternator Housing -> Bracket -> Engine” ground path so we recommend a separate ground wire to make sure the alternator is properly grounded.

**Torque:** Do Not Over Torque Wiring Terminals - Recommended Torque is 65 in-lbs (5.4 ft-lbs).

**Re-Clocking Alternator:** Some brackets may require you to rotate the alternator housing so that the positive terminal is in a better location. March Performance alternators are designed to be clocked in several orientations. Carefully remove the 4 bolts holding the alternator together, loosen the rear housing and re-install the bolts. **DO NOT REMOVE HOUSING COMPLETELY** or you will have to re-install the brushes.

**High Amp Wiring Kits:** If you want to take the guess work out of wiring up your alternator, March Performance offers a wiring kit under part number P30700.



**For technical support please call 1-888-729-9070**