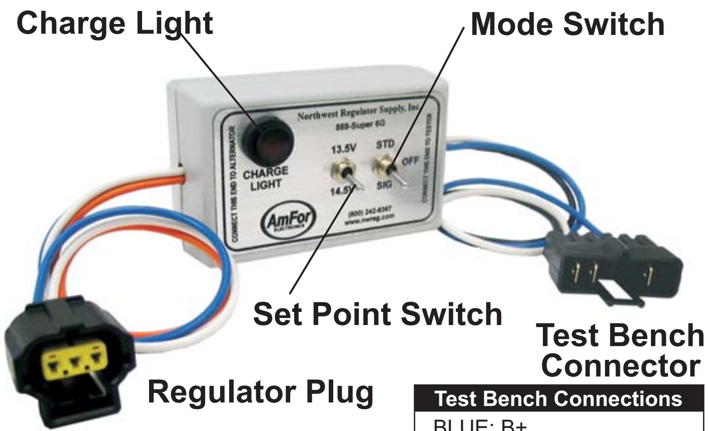
Operating Instructions

Model: 889-Super 6G II



Test Bench Connections
BLUE: B+
BLACK: B-
WHITE: Stator Meter (FR)

This test fixture will test all known types of 6G voltage regulators. They are marked:

A, Dummy, I (L/IG) (Standard w/o FR)
A, FR, I (L/IG) (Standard w/FR)
A, SIG, FR (Signal Type) - **Charge Light Not Used**

Step One: Install the Ford 6G alternator on the alternator test bench. Do not install belt*. If the alternator test bench has an "A" and "B" field circuit switch, it must be set to the "B" circuit position or "Internal Regulator".

Step Two: Plug the black 6-way test bench connector from the Super 6G II(889-Super 6G II) into the black 6-way connector on your alternator test bench adapter harness. If you do not have a black six way connector refer to the chart above. Plug the 3-terminal voltage regulator plug into the regulator on the Ford 6G alternator. Connect the battery positive to the alternator's "B+" post, and the battery negative to the case of the alternator. Switch the Super 6G **MODE** switch to "STD", and the **SET-POINT** switch to "14.5".

Step Three: Turn on the alternator test bench and push the test switch (if necessary). If the **CHARGE LIGHT** on the Super 6G turns on, go to step four . If the **CHARGE LIGHT** does not come on it indicates <u>either</u> a failed unit, <u>or</u> a "**SIGNAL**" type regulator. To determine "SIG" switch the mode to "SIG" and go to step five.

NOTE: The **CHARGE LIGHT** is <u>**NOT**</u> used in the **"SIG"** mode.

Step Four:

("SET-POINT" switch is not used in the "STD" setting)

"STD" MODE- without "FR": Install the belt if it is not already installed. Turn on the alternator test bench or press test switch (if necessary). The alternator should spin and turn on normally. The **CHARGE LIGHT** must be off. The test bench's DC volt and amp meters should read according to specifications for a good alternator. The "Auxiliary/Stator" meter should read approximately 10.5V (+ - 1Volt) with or without a load applied.

"STD" MODE- with "FR": Same as **"STD" Mode without "FR"** with the exception of the "Stator Meter" it will read approximately 9.5V (+/- 1V) with no load applied. With a load applied the voltage will go down to approximately 5.5V (high to low) depending on load.

Step Five:

"SIG" MODE: Install the belt if it is not already installed. Turn on the alternator test bench and press test switch (if necessary). The alternator should spin and work normally. The **CHARGE LIGHT** is <u>**NOT**</u> used in this test. With no load applied the regulator set point should be approximately 14.3-14.7V. Switching the **SET-POINT** switch to the 13.5V position should result in the charging voltage dropping to approximately 13.3-13.7V. The "Stator" meter will read about 4.5V (+/- 1V) with no load applied and will go up to about 5V (low to high) when under full load on a load testing test bench.

* If your alternator test bench can be turned on without the motor running you may install the belt.

NEW: Adapter harness that will test all 4G, and 3G with the 889-super 6G II available.

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