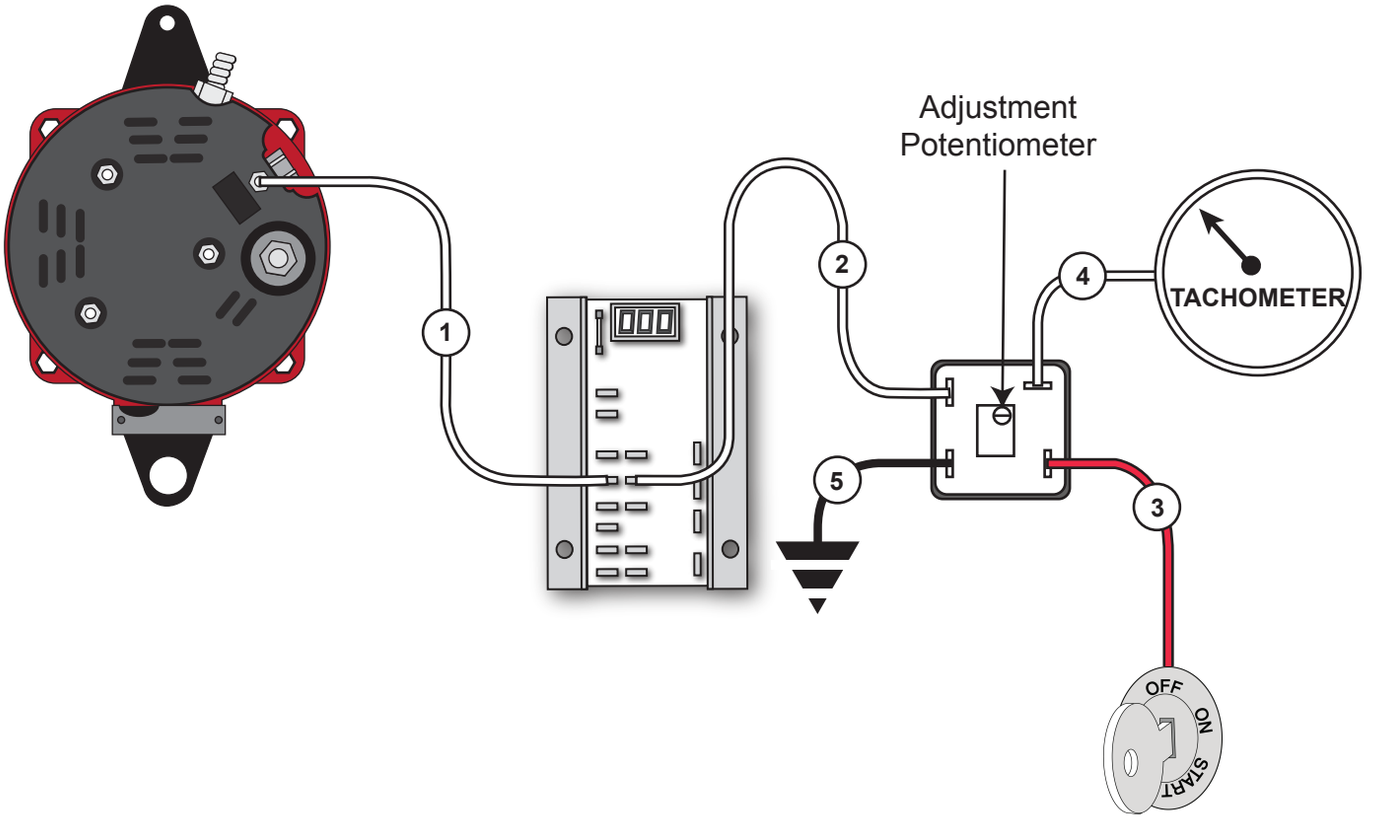
Installing Balmar's Tachometer Signal Stabilizer



Installation

Install the Signal Stabilizer in a location that's protected from excessive heat, moisture or vibration; either near the voltage regulator or the back of the tachometer.

1. Connect wire between your alternator's Stator/AC output terminal and regulator "Stator In" terminal (see alternator and regulator manuals for terminal location on your alternator and regulator).

2. Connect wire between regulator "Tach Out" terminal and "Tach In" terminal on the Signal Stabilizer.

3. Connect wire between the "Switched Power In" terminal on the Signal Stabilizer and a power source that provides positive battery voltage when the engine ignition is in the on position. (Hint: this can be the same source as the voltage regulator's Ignition (BROWN) circuit.)

4. Connect wire between the "Tach Out" terminal on the Signal Stabilizer and the signal input on the tachometer.

5. Connect a wire between the Signal Stabilizer's "Ground" terminal and system ground.

Using the Tachometer Signal Stabilizer

The Signal Stabilizer provides the ability to adjust the alternator's AC/stator output signal to a pulse that is compatible to most electric tachometers. Once installed, the Signal Stabilizer allows you to adjust the tachometer signal until the tachometer reading matches the actual engine rpm. To adjust:

1. With the engine running, determine the actual engine rpm using a laser tachometer or other suitable measurement device.

2. Carefully adjust the potentiometer at the center of the Signal Stabilizer's circuit board until the tachometer's display matches the reading shown on the photo or laser tachometer.

3. Increase and decrease engine rpm while monitoring tachometer to ensure that engine and tach are in sync.