

NOTE: This installation is to be completed by an Authorized Dealer or Professional Service Technician.

## BALMAR P/N: 15-TSS Tachometer Signal Stabilizer

Warning! This product is designed for installation by a professional marine mechanic. NEITHER BALMAR or CDI can be held liable for injury or damage resulting from improper installation, abuse, neglect or misuse of this product.

**SAFETY NOTICE: PLEASE DISCONNECT THE BATTERY BEFORE SERVICING THE ALTERNATOR OR REGULATOR!**

The Signal Stabilizer provides the ability to adjust the Alternator's AC/Signal 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.

### INSTALLATION

1. Select a location that is protected from excessive heat, moisture or vibration near either the Voltage Regulator or the back of the Tachometer.
2. Connect a wire between your alternator's Stator/AC output terminal and Regulator's "Stator In" terminal (see Alternator and Regulator manuals for terminal location on your Alternator and Regulator).
3. Connect a wire between your Regulator's "Tach Output" terminal and the "Tach In" terminal on the Signal Stabilizer.
4. Connect a wire between the "Switched Power In" terminal on the Signal Stabilizer and a power source providing positive 12V DC controlled by the keyswitch's "ON" position. (Hint) This can be the same source as the Voltage Regulator's Ignition circuit wire (possibly a Brown wire).
5. Connect a wire between the "Tach Out" terminal on the Signal Stabilizer and the signal (sense) input on the Tachometer.
6. Connect a wire between the "Ground" terminal on the Signal Stabilizer and a clean system ground.
7. With water to the engine, start the engine and record the actual engine RPM using a Laser Tachometer or other suitable measurement device.
8. 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 Laser or other suitable measurement device.
9. Increase and decrease the engine RPM while monitoring the Tachometer and Laser Tachometer or other suitable measurement device to ensure that the actual engine RPM and the displayed RPM are in sync.

