Veethree Instruments
Passionate about Precise Instrumentation

TACHOMETER, STATOR SIGNAL, OUTBOARD ENGINES

Check all wire connections again to see that they are correct, tight, not corroded and properly cimped.

Voltages necessary with the engine idling:
IGN to GND terminals: 12-16 Volts DC
SEND to GND terminals: 3.5 Volts AC minimum (less voltage and the tachometer will stay at zero).

Set the rotary selector switch to the "P" setting that corresponds to the stator's number of magnetic poles divided by 2 (12 pole stator divided by 2 = 6P).

Rotary selector switch must be set in the correct position. The arrow at the end of the screw driver slot must point directly at the setting. If not, the pointer will go to the end of the scale until proper alignment in made.

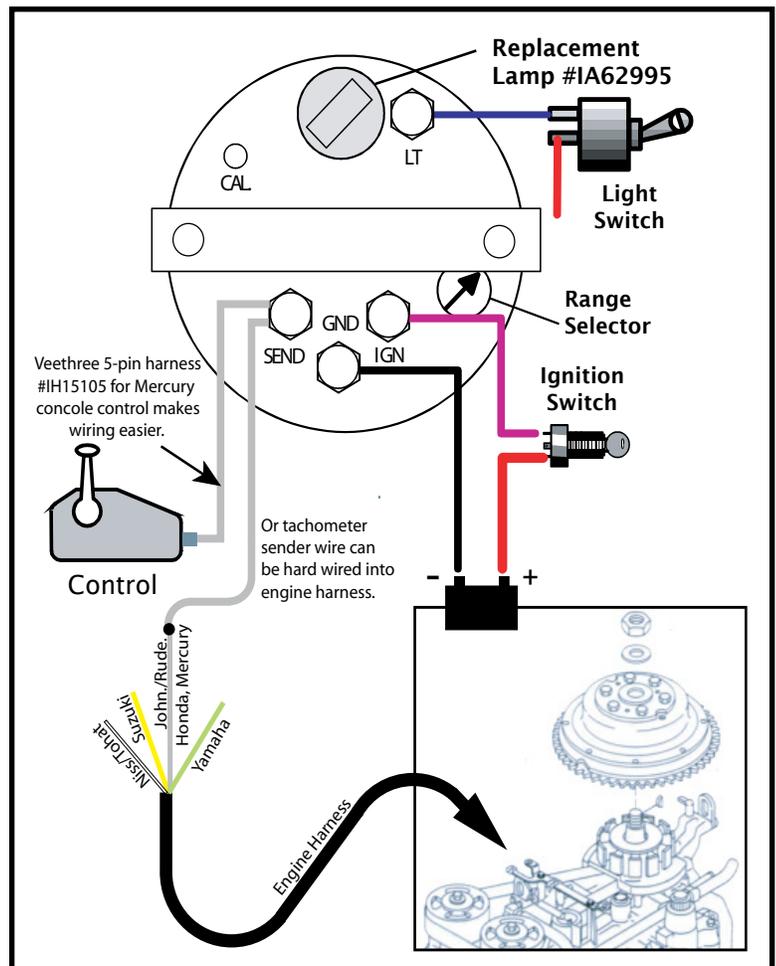Tachometer will work on all outboards having 4 to 12 magnetic poles on the stator.

For Most engines, you can find the tachometer connection on or about the shift control or up under the dash. In other cases you will need to wire back to the engine.

The tachometer does have a potentiometer feature to fine tune the tachometer a few hundred rpm, or to synchronize dual engine tachometers.

Some older syle tachometers operate from ground and the signal alone. Veethree tachometers and most newer tachometers require a 12 volt hot wire as well to operate. Mixing theses tachometers in a dual station application will usually not work.

Tachometer lights are replaceable...1/4 turn CCW and pull.

The gauge part number is stamped on the side of the housing.

Contact oxidation- if the pointer sometimes reads higher than actual, and if tapping on the glass brings the pointer to normal, oxidation has lodged on the selector contacts over time. Rotate the selector switch 6 times and return it to it's original position. The problem should be resolved for some time.

Fogging- see separate Trouble Shooting sheet dealing with fogging and condensation.

> No Veethree tachometers will operate from magneto charging systems or stators with more than 12 magnetic poles.

Replacement Lamp #IA62995
Light Switch
Range Selector
Ignition Switch
CAL
LT
GND
SEND
IGN
Veethree 5-pin harness #IH15105 for Mercury concole control makes wiring easier.
Control
Or tachometer sender wire can be hard wired into engine harness.
Niss/Tohat Suzuki
John./Rude.
Honda, Mercury
Yamaha
Engine Harness
- +

CAL.
DO NOT TURN CALIBRATION POT PAST ITS LIMITS

C=CYL
P=PULSES
5P
4P
6P
8C
3P
6C
2P
4C
Range Selector

Older Models May Have This Stud Pattern
GND
IGN
SEND