
CONTACT OXIDATION

Faulty Tachometer?

One of the complaints we hear is the tachometer us behaving erratically. “Some times it jumps up in RPM for no apparent reason. Tapping on the glass brings it back to the correct RPM. At some other point this problem appears again.”

Depending on the environment, sometimes a thin film of matter or oxidation develops between the switch contact and the circuit. This film tends to insulate the connection ever so slightly. Rotating the switch several times cleans the surface giving renewed life to the tachometer.

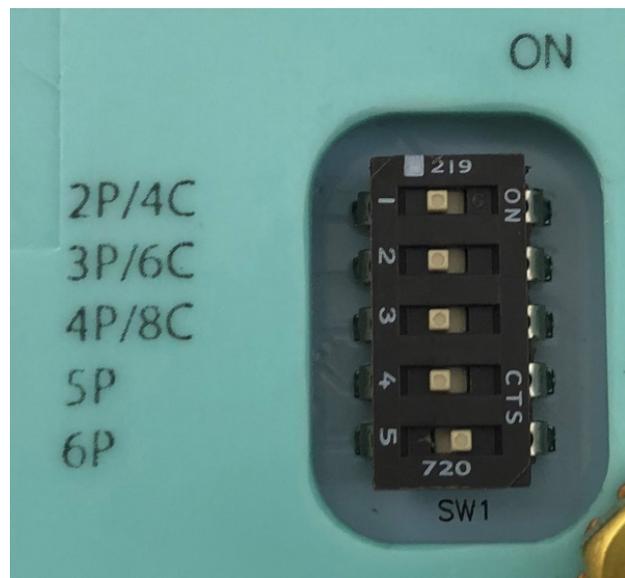
If this problem sounds familiar, try this:

On a Rotary Switch type - Locate the selector switch on the rear of the tachometer. Note the position of the arrow on the screwdriver slot. Rotate the switch about 6 times and stop at the original position. Does that resolve the problem when observing over the next several boating trips?

On a Dip Switch type - Locate the selector dip switch behind a rubber plug. Note the position of the dip switches, only 1 switch will be in the ON position, the rest should be in the OFF position. With the power OFF cycle each switch about 10 times ON and OFF to clean the switch. When finished make sure the position of the dip switches matches the original settings.



Rotary Switch type



Dip Switch type