

Issue:

The steering wheel buttons may become intermittent or the radio may sometimes function without a steering wheel button being pressed.

Cause:

Spikes in voltage, due to a worn clock spring, may cause the module to think a steering wheel button is being pressed.

Solution:

Connect a 0.47uF non-polarized capacitor between the steering wheel control signal wire and ground. This can be done at either the main 20-pin vehicle connector or the 20-pin white JST connector found at the climate and steering wheel control Interface module.

Installing the capacitor:

1. Locate the White SWC signal wire and the Black ground wire. (Fig 1)
 - * Pins 3 and 11 when installing the cap at the 20-pin vehicle connector.
 - * Pins 5 and 12 when installing the cap at the 20-pin white JST connector. (images below are shown at this connector)
2. Remove enough insulation from each of the wires to be able to connect the legs of the capacitor. (Fig 2)
3. Connect one leg of the capacitor to the white SWC signal wire. Connect the remaining leg to the black ground wire. (Fig 3) Since we are using a non-polarized capacitor it does not matter which leg connecto to which wire.
4. Solder the capacitor legs to the wires. (Fig 4)
5. Insulate the solder joints (Fig 5) and wrap the harness and the capacitor with tape (Fig 6) for added strain relief.

Fig 1

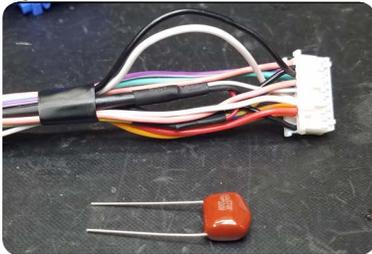


Fig 2

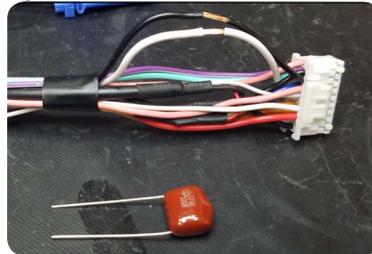


Fig 3

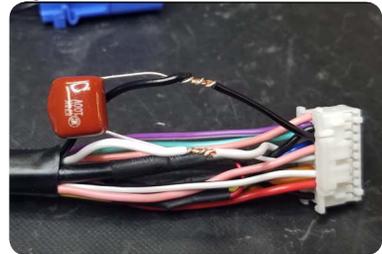


Fig 4

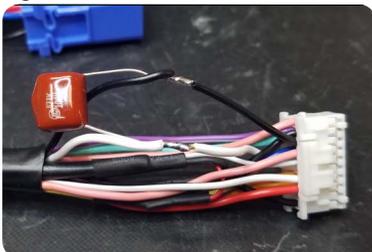


Fig 5



Fig 6

