

TracPhone® V7 Elevation Limit Switch Replacement Instructions

The following instructions explain how to replace the elevation limit switch in a TracPhone V7.

Tools Required

- #1 Phillips screwdriver
- #2 Phillips screwdriver
- Needle-nose pliers

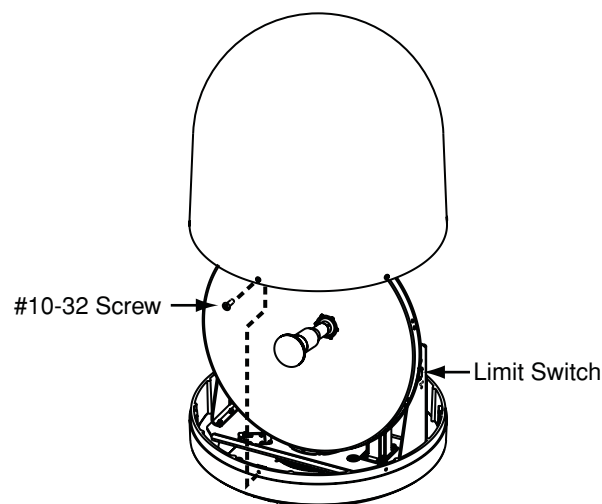


CAUTION

For your own safety, be sure to disconnect power from all wired components before performing this procedure.

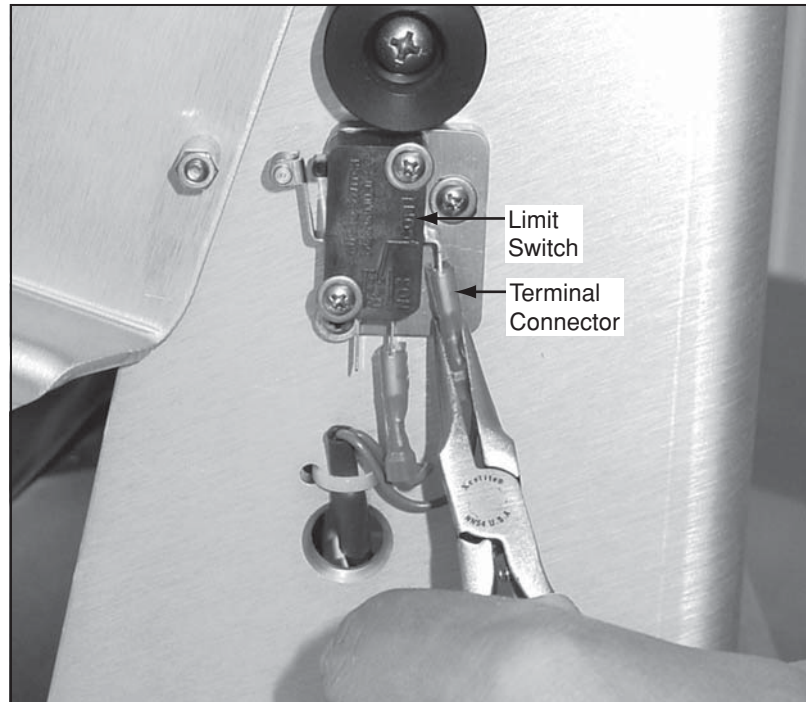
- Turn off and unplug the modem and control unit.
- Using a #2 Phillips screwdriver, remove the #10-32 screws securing the radome to the baseplate. Carefully lift the radome straight up until clear of the antenna assembly and set it aside in a safe place.

Figure 1 Removing the Radome



- c. Using needle-nose pliers, disconnect the two wires from the limit switch terminals. Grasp the wires at the terminal connectors to avoid damaging the wires.

Figure 2 Disconnecting the Limit Switch Wires



- d. Using a #1 Phillips screwdriver, remove the two #4-40 screws and flat washers securing the limit switch to the mounting plate (see Figure 3).

IMPORTANT!

Do not detach the limit switch mounting plate from the antenna frame (see Figure 4 on the next page).

Figure 3 Detaching the Limit Switch from the Mounting Plate

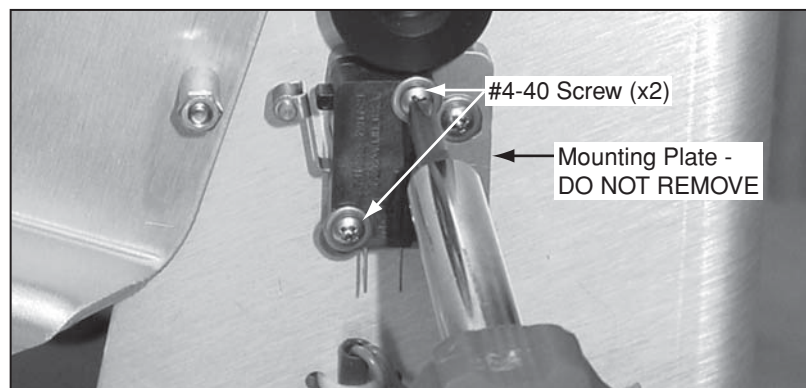
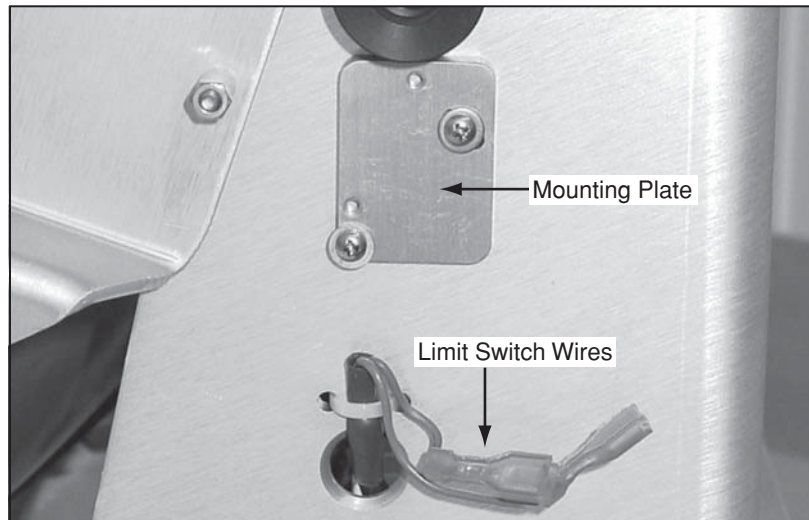
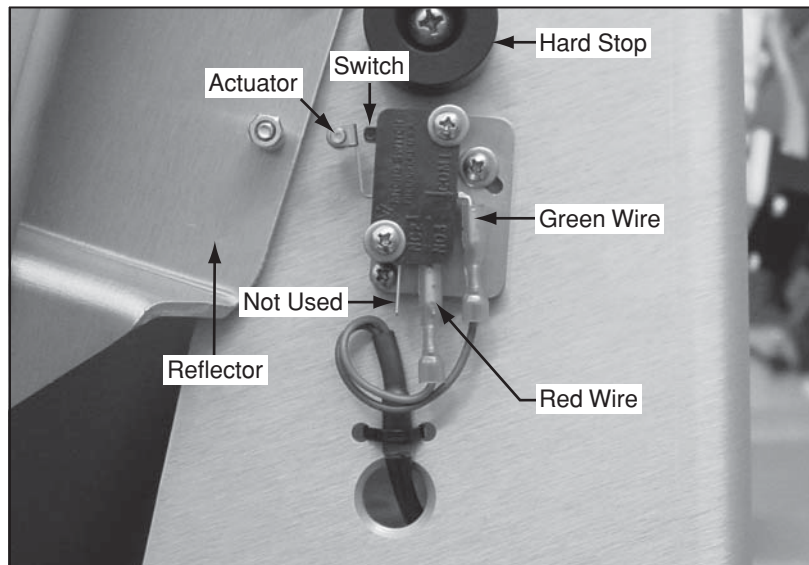


Figure 4 Limit Switch Mounting Plate - DO NOT REMOVE!



- e. Attach the replacement limit switch to the mounting plate with two new #4-40 screws and flat washers (supplied in the kit).
- f. Wire the replacement limit switch as shown below. Connect the red wire to the bottom right terminal of the limit switch. Connect the green wire to the top right terminal.
- g. Slowly move the reflector downward by hand and ensure the limit switch actuator engages the switch before the reflector touches the hard stop.

Figure 5 Limit Switch, Installed



h. Reinstall the radome.

i. Plug in the control unit and modem and apply power.

The limit switch replacement process is complete!