

WINEGARD®

RP3500T Installation

Replacement Kit for MV3500T Electronics

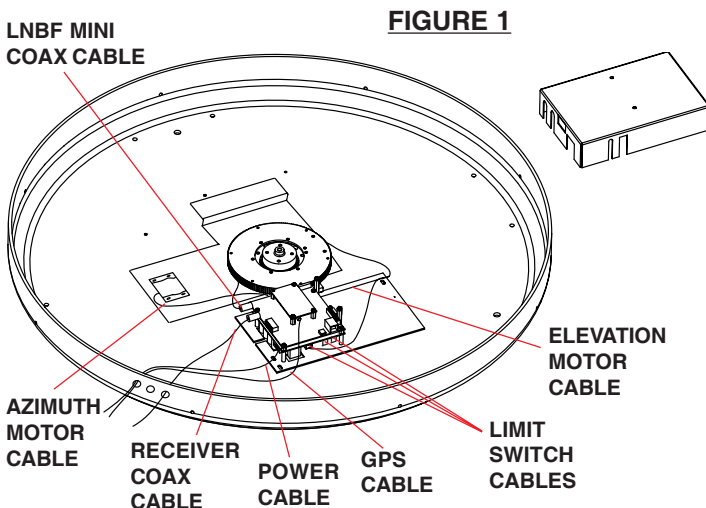
Tools Needed:

- 5/16" nut driver
- 7/16" open end wrench
- 9/64" Allen wrench
- Small flat blade screwdriver
- Phillips screw driver

1. TURN OFF POWER TO MV3500T AND UNPLUG THE RECEIVER.

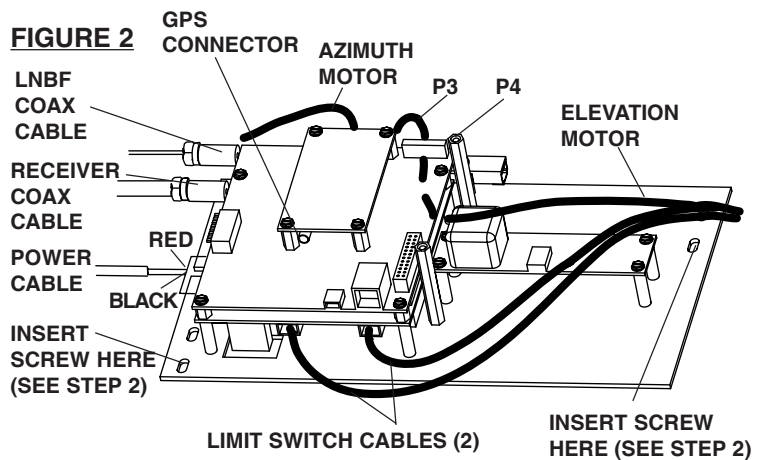
Removing original electronics control module-

2. Remove screws holding dome to base. Remove the dome.
3. Disconnect both the mini-coax cable going to LNBF and the receiver coax cable from the control module. Use a 7/16" wrench if necessary.
4. Remove screws (2) on top of control module. Remove lid.
5. Unplug GPS cable from control module. Gently pull cable directly away from the control module to disconnect.
6. Disconnect power cable from control module by loosening screws on side of green connector.
7. Using a 9/64" Allen wrench, remove screws (2) holding the control module to base. Save screws for attaching new module.
8. Remove cables for the elevation motor and azimuth motor from the control module. Pull on connector, not wires, to prevent wires being pulled from connectors. You may want to mark them to avoid confusion later. See Fig. 2.
9. Disconnect the 3 limit switch cables from the control module. See Fig. 2.
10. Remove module.

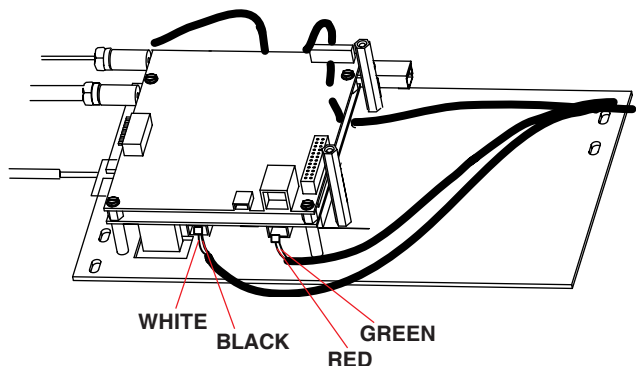


Replacing electronics control module with RP3500T-

1. Remove cover on new control module. Connect the cables for elevation motor and azimuth motor to the edge connectors on the bottom most circuit board (PCB). Elevation motor attaches at P4; the azimuth motor at P3. Red stripes on connectors **face up**. The elevation motor cable must be threaded under the bottom most PCB and brought back up the back side to connect. See below.



2. Fasten new control module to base with one screw on each side as shown above.
3. Connect LNBF mini-coax cable and receiver coax cable. *Do not use a wrench to tighten!*
4. Plug power cable into the green connector. The red power wire will be on the left and black wire on the right.
5. Plug GPS cable into module.



6. Connect the 2 limit switch connectors as instructed below. These connect with the black connectors on the bottom of the PCB.

Find the limit switch cable with black and white wires. Connect this to the left most connector on the PCB.

Find the limit switch cable with red and green wires. Connect this to the right most connector on the PCB.

Switch information —

7. SEE SWITCH ILLUSTRATION BELOW

DirecTV®: Switches factory set, do not change; numbers 1 - 7 in up position and 8 in down position.

DISH Network®: Change switch positions; numbers 4, 7 and 8 in the down position and 1, 2, 3, 5 and 6 in the up position.

ExpressVu®: Change switch positions; numbers 2, 4, 5, 7 and 8 in the down position and 1, 3, and 6 in the up position.

Sat. Rcvr.	Mt. Option	Switch Set Position							
		1	2	3	4	5	6	7	8
DIRECTV (FACTORY PRESET)		0	0	0	0	0	0	0	1
DISH NETWORK		0	0	0	1	0	0	1	1
ExpressVu		0	1	0	1	1	0	1	1

0= UP
1=DOWN

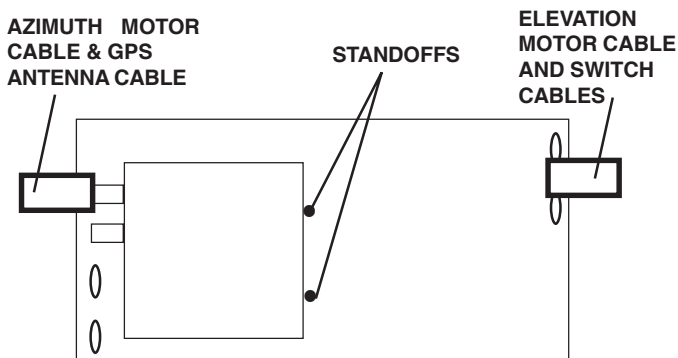
Switches preset for DIRECTV.

Switches set for DISH Network.

Switches set for ExpressVu.

8. Replace the lid for the new electronics box. Be sure the Azimuth motor cable enters with the coax to LNBF. The elevation motor cable and switch cables enter at the other end of the box. See figure below.

9. Fasten lid to control module. Be sure both screws are screwed into the two standoffs. Standoffs shown below.



Replacing the dome —

1. Plug in receiver, power on MV3500T. Test system to be sure it is working properly.

2. Replace dome using existing screws.

3. Make sure screws holding dome compress the rubber washers for a water-tight seal. **Do not leave screws loose or missing.**

