

Finished installation. While not able to obtain the clearances specified in the Winegard installation guide, the antenna clears the installed King-Dome satellite antenna and the vent fans.



The tell-tale dimples on the roof that let me know that the roof was designed to have the Winegard Over-the-Air antenna installed on the unit. These were the exact spacing required for the two major holes. Before drilling the holes I ground out the tips you see sticking up the the center so the drill bit would center in the hole.





This shows both holes drilled. The smaller hole only penetrates to the void where the coaxial cable is routed. I used a spade bit for the second hole so it would cut the outside edge of the circle and keep the fiberglass from splintering.

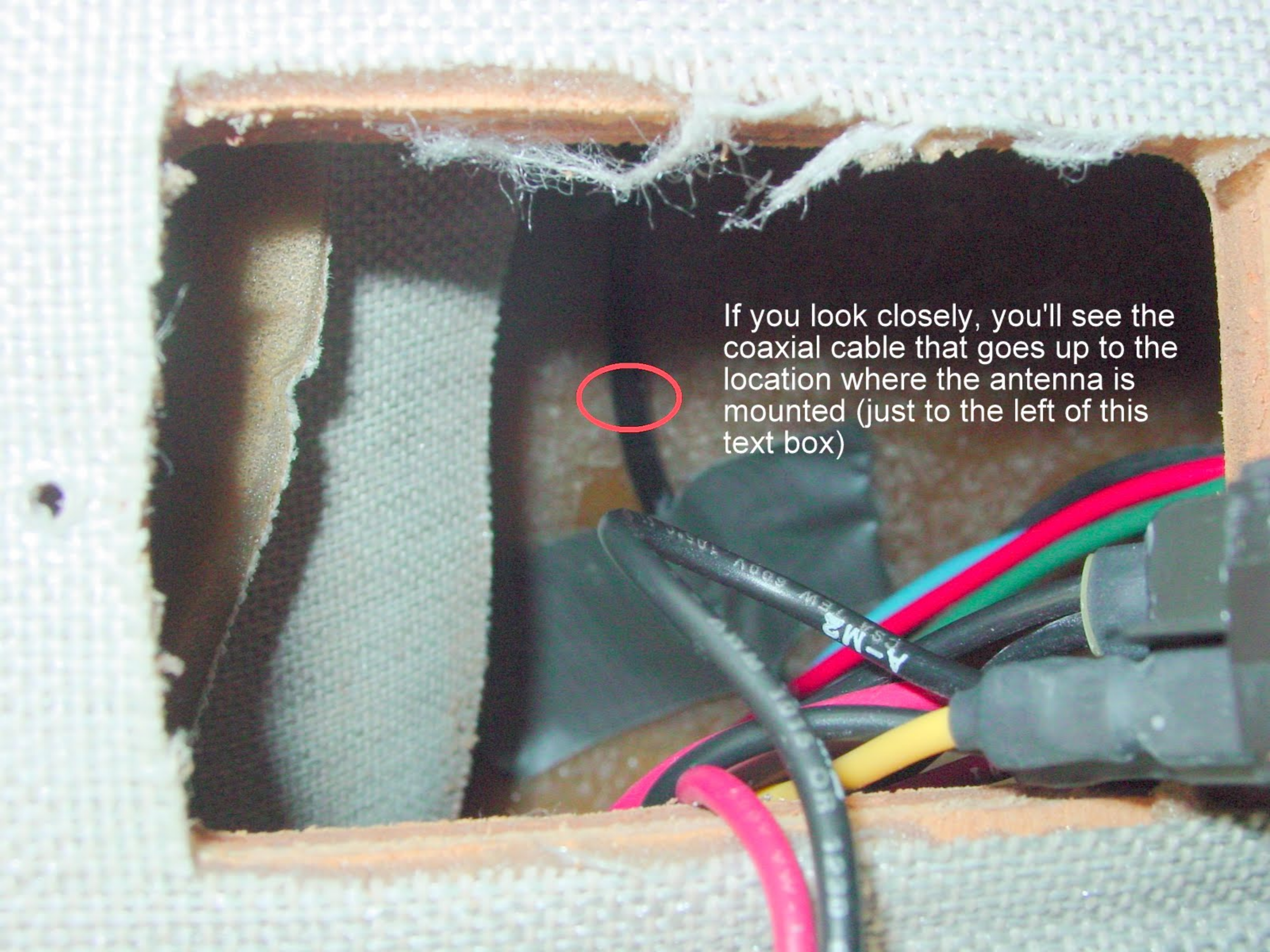






A view of the hole after a hole saw was used. Notice the layer of plywood and then another layer of fiberglass. Below that was a void where the cable was routed and then another thin plyboard, the insulation and the headliner. There was a hole in the lower plyboard, however it wasn't exactly on center with the upper hole. A rasp had to be used to trim it out some so the rotation knob did not bind. Once the top plug was out, light made the inside hole visible so it could be trimmed out with an Exacto knife.





If you look closely, you'll see the coaxial cable that goes up to the location where the antenna is mounted (just to the left of this text box)



The generator control panel removed and adjusted to see inside the wall.







Following the installation instructions included with the antenna, the mounting screw holes were drilled (I did use a larger bit the size of the screw to penetrate the top layer of fiberglass to prevent cracking). As suggested, I used a “liberal” amount of sealant between the mounting plate and top of the Roadtrek to prevent leaks. To keep the coaxial cable boot from slipping up, add a small bead of sealant around the base of the boot mount (not in the installation instructions). If it should slip up, water can enter the Roadtrek.



This view shows the coaxial cables protruding from the ceiling before being connected. The black one is the one I found from the wiring harness installed by Roadtrek. I used this point to attach a cable tracer to find the other end of the cable before using the supplied barrel connector and pushing it into the ceiling void.



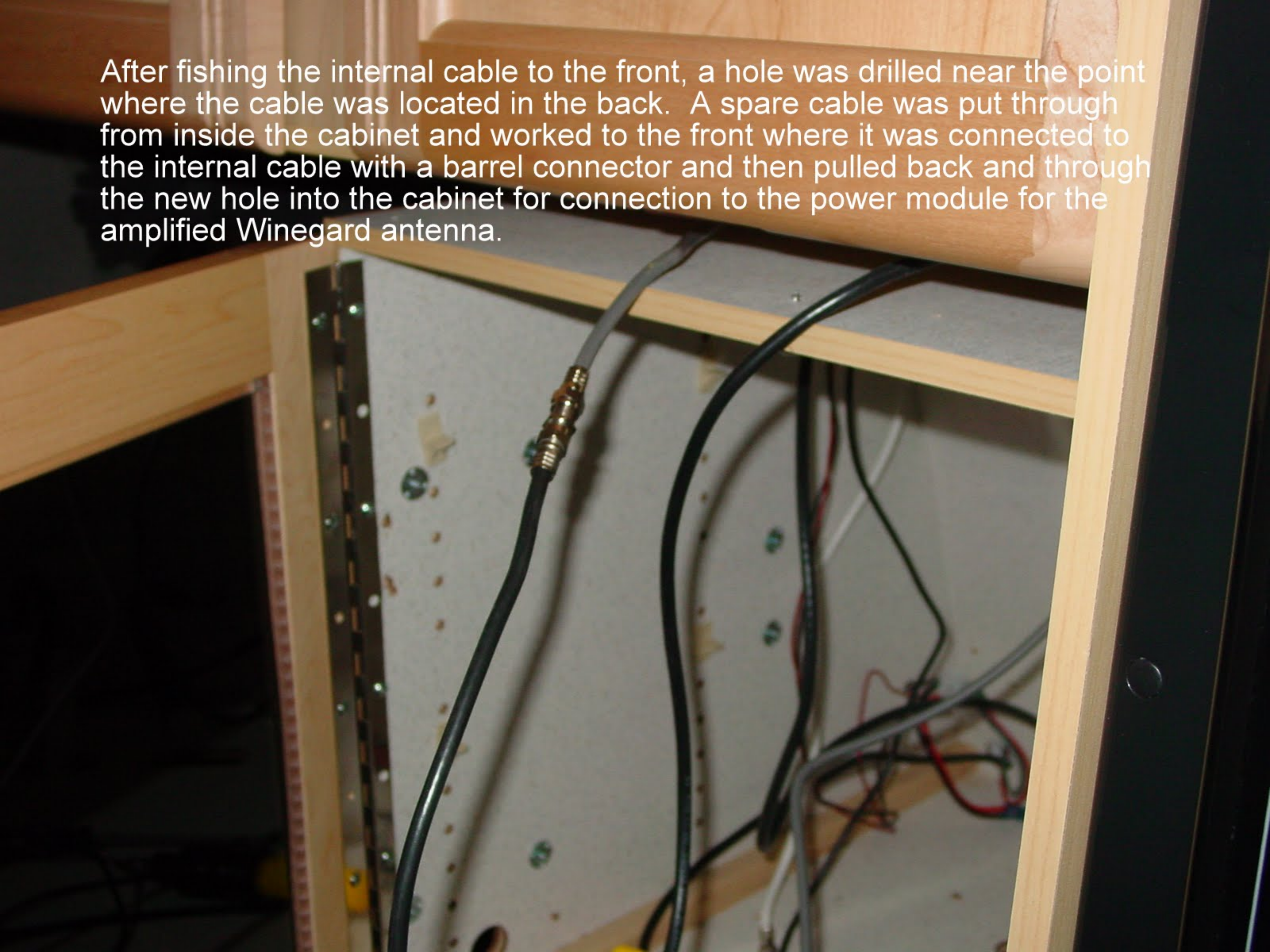


Hard to see, but after getting the AV cabinet loose and tilting it down as far as I could, I could see the coaxial cable at the back of the cabinet. (Note: I could not completely remove the cabinet because of a "flange" going behind the wall covering.) I was able to use a hooked piece of stiff wire to pull the cable to the front. It was already terminated with an F connector. Just make sure you hook the coaxial cable and not the bundle of other wires. Those other wires are connected and appear to supply 12 VDC to the carbon monoxide detector and the AV cabinet.

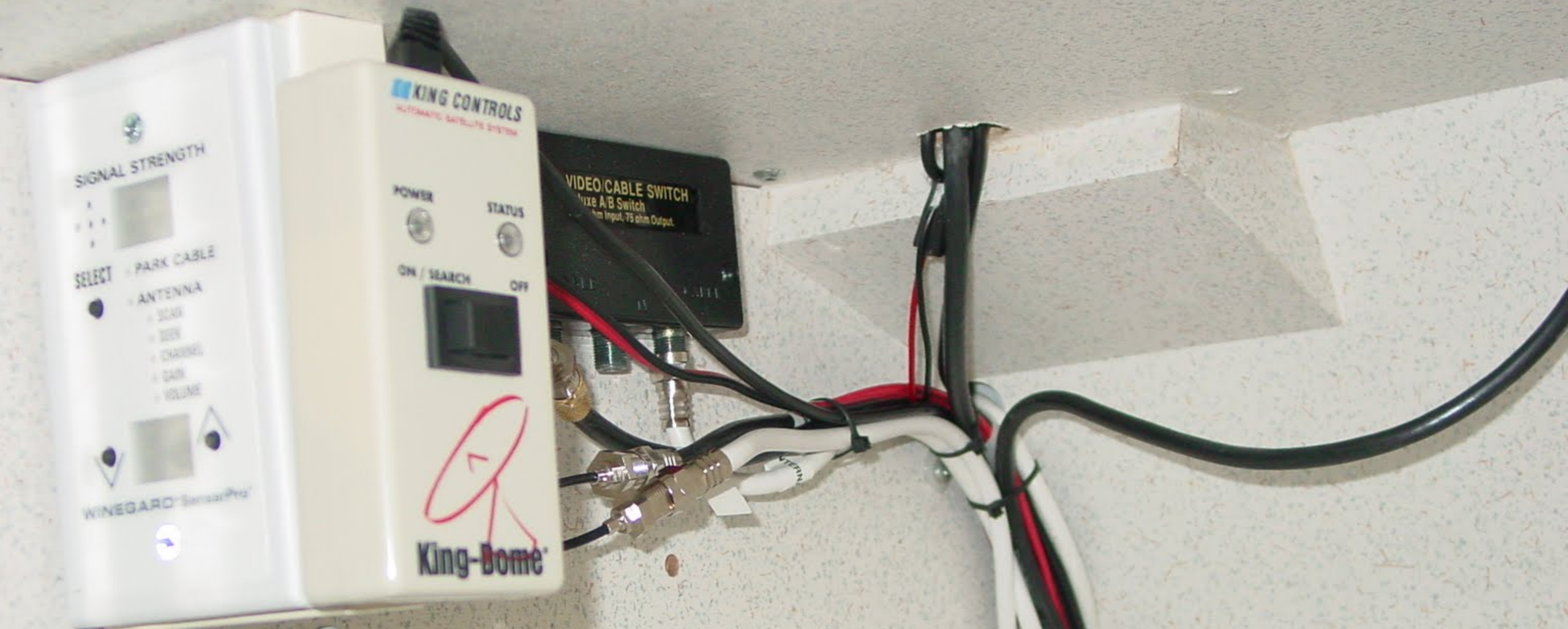




After fishing the internal cable to the front, a hole was drilled near the point where the cable was located in the back. A spare cable was put through from inside the cabinet and worked to the front where it was connected to the internal cable with a barrel connector and then pulled back and through the new hole into the cabinet for connection to the power module for the amplified Winegard antenna.







**This installation included the tuning aid option to identify available channels and to peak the antenna signal. It also serves as switch between the antenna and the cable TV connection. Included is additional signal amplification for over-the-air signals. The King-Dome controller was attached to the side of the mounting for the tuning module with velcro.**





The inside manual control for raising and lowering, and rotating the antenna. Extra care must be taken to properly position the detent plate mounted to the inside roof.