

Testing And Adjusting The Nosehouse Door

Attach the red and black cables from the control panel to the battery. The red cable goes to the positive (+) battery terminal and the black cable goes to the negative (-) battery terminal.

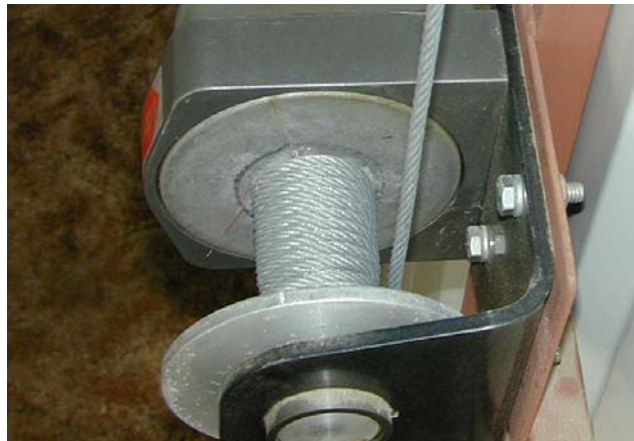
Caution: The first time you lift the nose door with the winch be very careful not to raise it too high. You can damage the door or winch if this happens.

The mercury limit switches are pre-set at the factory but may need a little tweaking. Cycle the nose door up and down a few times. When the door stops in the up position the roof on the nose house should be approximately parallel with the face of the truss. If not, make adjustments as follows.



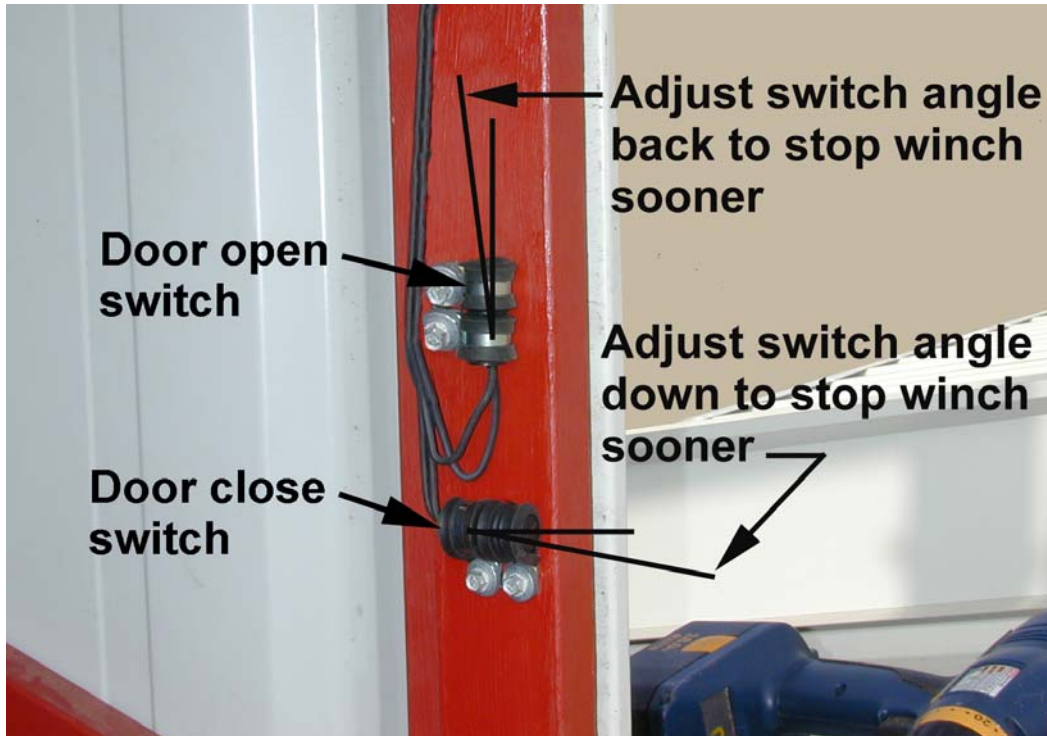
After cycling the nose door a few times, and before adjusting the limit switches, you need to make sure the cable on the winch drum has no crossovers. If it has crossovers, block the front edge of the door up about 10" to 14". Blocking the door up will allow the winch to continue to unwind after the door stops on the block.

This next step is best done with two people, one on the door switch and one handling the loose winch cable. **Be careful not to get your hands caught in the cable and drum.** Flip the door switch down, and as the cable unwinds off of the drum, keep tension on the loose cable by stepping back away from the winch. Stop unwinding the cable when all of the crossovers are removed and the cable is lying flat on the drum. Now flip the switch up and while keeping tension on the cable, walk toward the winch, letting the cable wind up on the drum. The cable on the winch drum should now look like the picture below.



Using the winch, raise the nose door and remove the block. Close the nose door. When the door closes the winch should stop and there should be very little slack in the cable. If there is too much slack in the cable adjust the door close switch as follows:

Loosen the two screws that hold the switch in place. To stop the winch sooner, adjust the angle of the door close switch. If the door opens to far adjust the angle of the door open switch. Adjust switch angle as shown.



Attaching The Wing Door Draglinks

After adjusting the switches and the winch cable it is time to install the wing door draglinks. Open the door as shown. Put grease on the draglink bolt and install the bolt in the bearing hole on the nose door frame. Install a nut on the bolt and adjust it so the draglink swings freely, but does not have excess end play. Set this adjustment by installing and tightening a jam nut.

