

Upper Limit Switch Failure:

Upper Limit Switch Purpose: The upper limit switch is located on the top of the lift of all Reliance chairs (Diagram 1) in the back or base motor of chair. When fully assembled hidden by the keyshield (Diagram 2). The switch is wired normally open but held close by a pin that pushes against the switch. When the chair base reaches full elevation a notch releases the pin, opens the switch and turns off the base motor.



Diagram 1



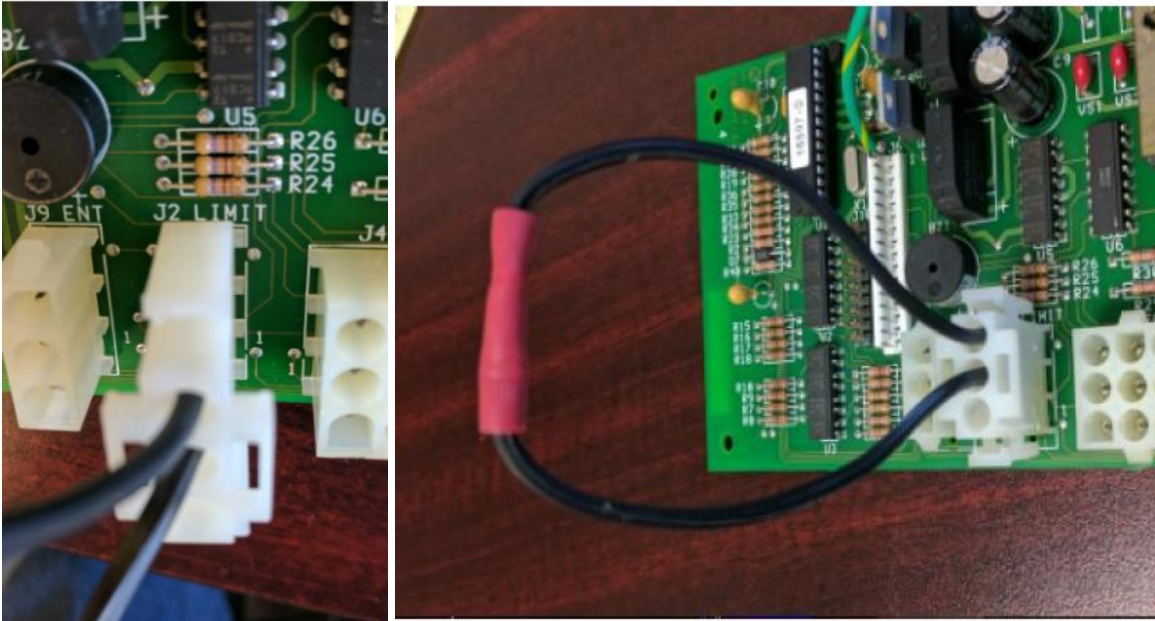
Diagram 2

Issue: When trying to raise the chair from any control point, the base will not raise. There is clicking coming from the board.

Cause: Limit switch is out of adjustment, not closing the limit switch. As a result no signal is being sent to the board to tell the chair to raise.

Solution 1: Bypass the upper limit switch at the board.

1. Unplug chair from power.
2. Remove base (see instructions removing base cover)
3. Locate the plug on board labeled limit, or pump limit.



4. Remove plug from board and replace with bypass Request a free by pass by filling out service form on our web site www.haag-streit-usa.com
5. Plug in power to chair.
6. Test for raising and lowering.
7. If in your practice you do not raise the chair base to the top you can leave the bypass installed.
8. If you decided to leave it bypassed, when you go to the full elevation, there is an internal mechanical stop, and a bypass valve to relieve any pressure that can build up.

Solution 2: Upper limit switch adjustment.

1. Raise the chair fully up.
2. Unplug chair from power.
3. Using a bladed screw driver, go under the keyshield and place screwdriver between nut holding switch to bracket.
4. Gently apply pressure to push switch toward the center. Apply pressure for about 5 seconds.
5. Try lowering and raising chair, with bypass removed, and original cable installed in board. If the problem remains repeat steps 1 thru 4 increasing pressure. NOTE: you may not feel or see movement, but the adjustment is so fine this normal.
6. If over adjusted you will need to move switch in other direction

