

Item No.	Part No.	Description	Qty
1	100209	Seat Back Limit Switch	4
2	100367	Spring, Short	2
3	100398	Spring, Long	2
4	100192	Shoulder Bolt, 1/4" x 2 1/2"	2
5	100914	Shoulder Bolt, 1/4" x 1 3/4"	2
6	100901	Shoulder Bolt, 1/4" x 7/8"	2
7	98963	1/4" Flat Washer	8

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Models 6000 & 6001 Manual Seat Back Limit Switch Replacement

Tools Required:

- 1/8" Hex Allen Wrench
- Needle Nose Pliers

⚠ WARNING
Disconnect power by removing plug from the electrical outlet before servicing!

Back Shroud Removal:

1. Elevate the table and position the seat back in an upright position.
2. Remove the cotter pin and the clevis pin that attaches the gas spring to the seat back. Lay the seat back forward onto the seat. Lay the gas spring onto the storage compartment lid. Set aside cotter pin and clevis pin for re-attachment later.



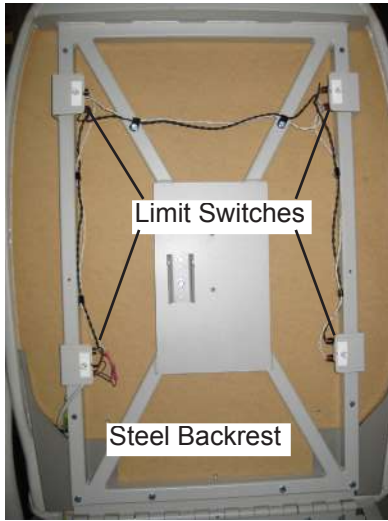
3. Loosen, but do not remove top and bottom backrest shroud shoulder bolts.



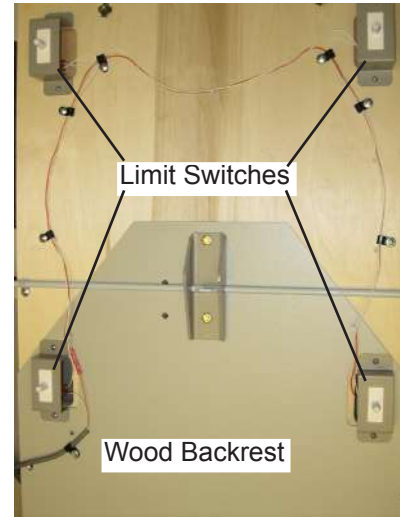
4. Reach behind the backrest shroud to hold the spring and washer while removing the shoulder bolt, starting with the top bolts, finishing with the bottom bolts.
5. Remove the shroud and set aside.



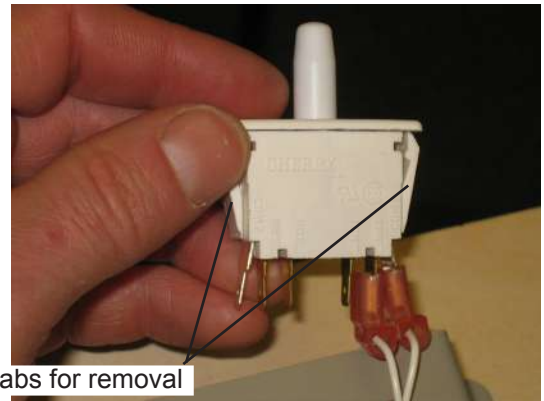
Limit Switch Replacement:



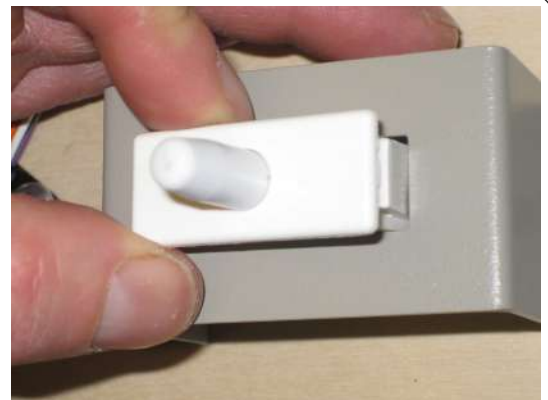
2 versions of backrests exist. An all steel backrest as shown in the picture to the left, and a wood backrest as shown in the picture to the right. Limit switch replacement procedure is the same for both version, except wire colors. See wiring diagram for proper wire placement.



1. Replace all (4) switches. Start with the lower left switch and work clockwise. Use care to make sure wires are transferred correctly from the old switches to the new switches, one switch at a time (Steps 2-5)
2. Press the locking tabs on 2 sides of limit switch and remove from mounting bracket.
3. Remove wires, making note of location on switch for re-assembly with new switch. Discard old switches.

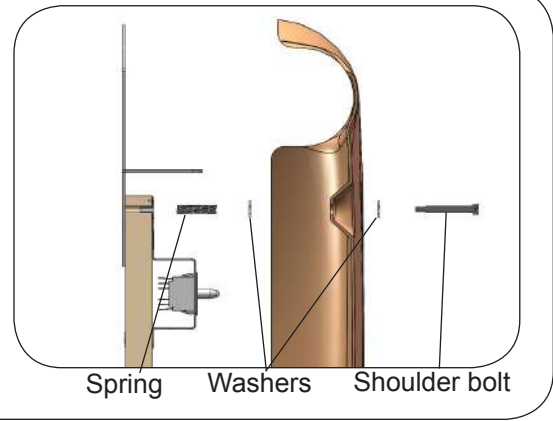


4. Re-connect wires on new switch in same position as old switch. If needed refer to wiring diagram.
5. Push new switch into hole in mounting bracket, snapping into place.

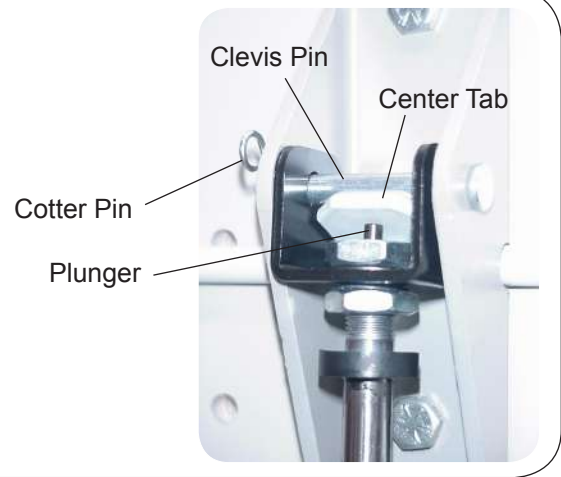


Back Shroud Install:

1. Attach the backrest shroud using the 2 long shoulder bolts and long springs to attach the top of the shroud. Use the 2 short shoulder bolts and springs to attach the bottom of the shroud. Note location of washers (see diagram).



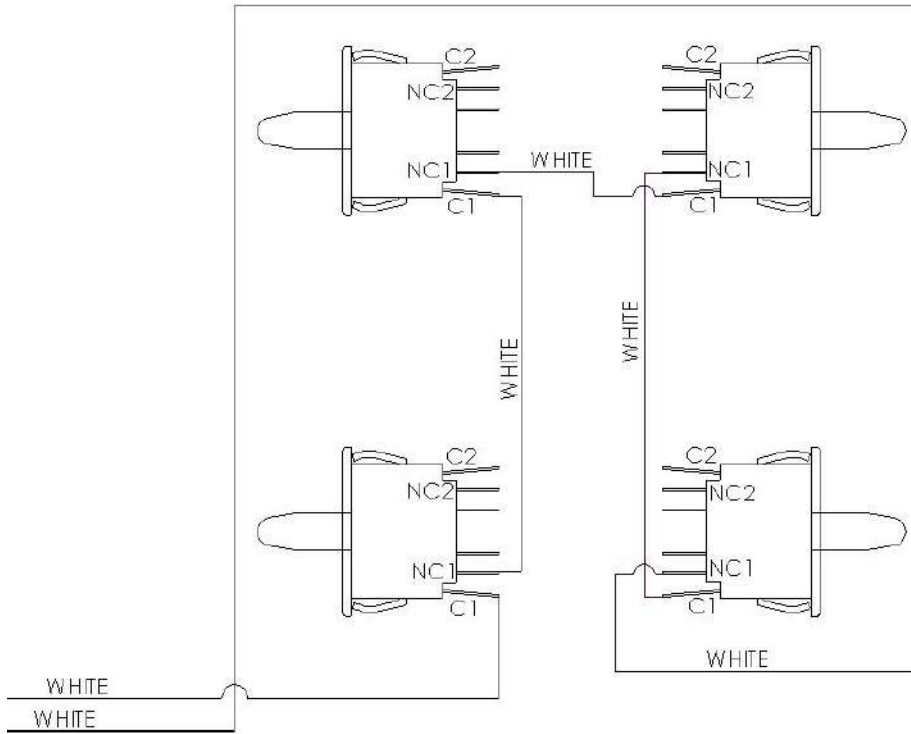
2. Attach the gas spring to the top gas spring clevis using clevis pin, secured in place with cotter pin. Note: Center tab of actuator arm must rest atop the plunger at end of gas spring rod.



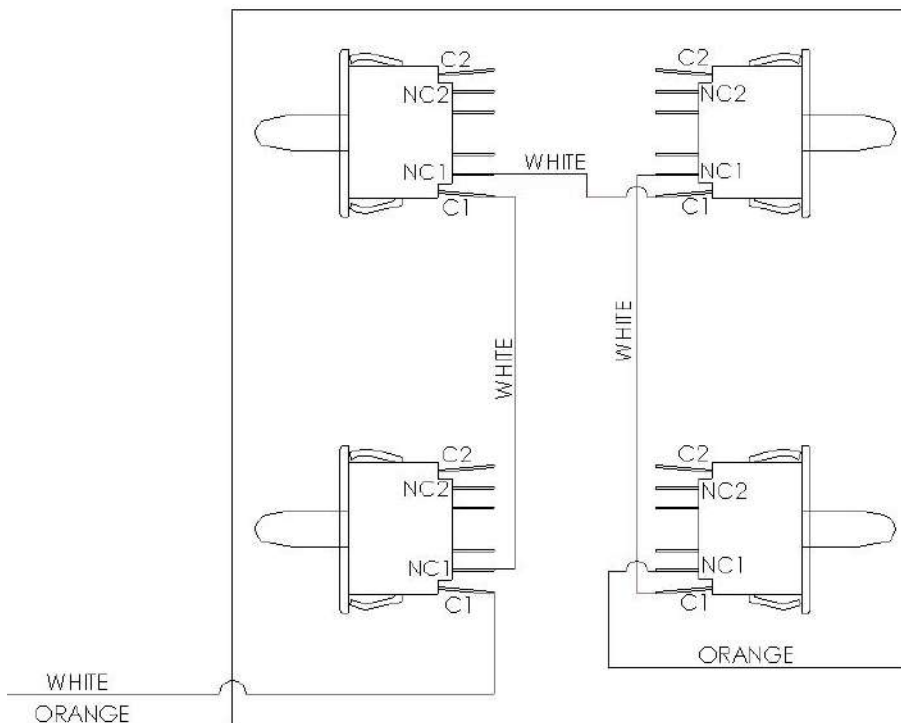
3. Test the installation by depressing each of the four corners of the back shroud while lowering the seat. A properly functioning backrest assembly will not allow downward movement of the seat while the shroud is depressed.



Manual Steel Seat Back Limit Switch Wiring



Manual Wood Seat Back Limit Switch Wiring



Models 6500 & 6501 Power Seat Back Limit Switch Replacement

Tools Required:

- 1/8" Hex Allen Wrench
- 5mm Hex Allen Wrench
- 13mm Open ended or box wrench

⚠ WARNING

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Back Shroud Removal:

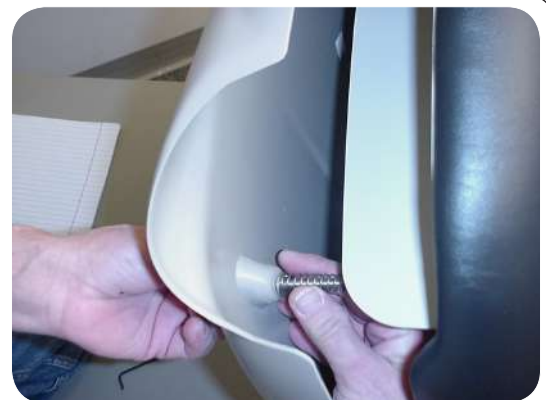
1. Elevate the table and position the seat back in an upright position.
2. Remove the shoulder bolt and nut that attaches the seat back actuator to the seat back. Lay the seat back forward onto the seat. Lay the seat back actuator onto the storage compartment lid. Set aside shoulder bolt and nut for re-attachment later..



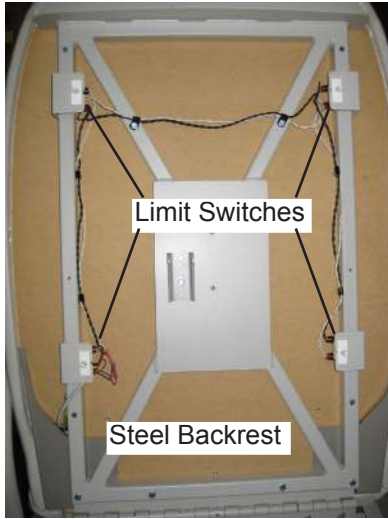
3. Loosen, but do not remove top and bottom backrest shroud shoulder bolts.



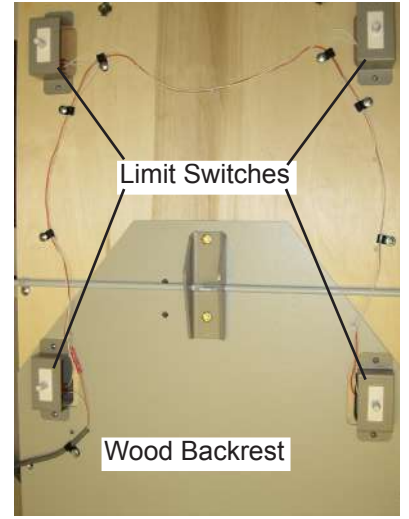
4. Reach behind the backrest shroud to hold the spring and washer while removing the shoulder bolt, starting with the top bolts, finishing with the bottom bolts.
5. Remove the shroud and set aside for re-assembly later.



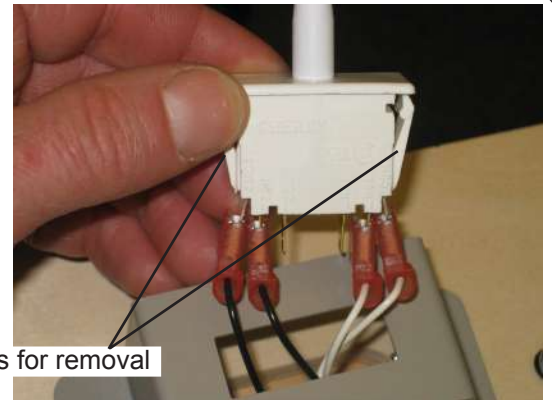
Limit Switch Replacement:



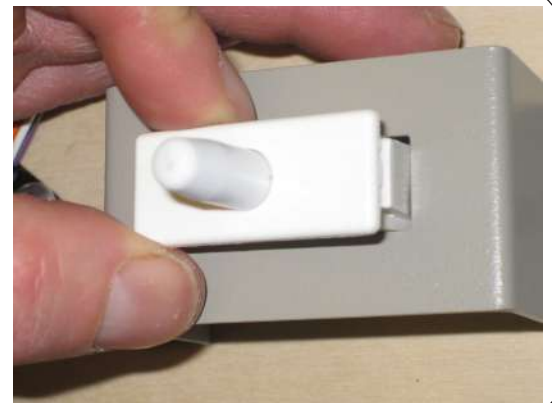
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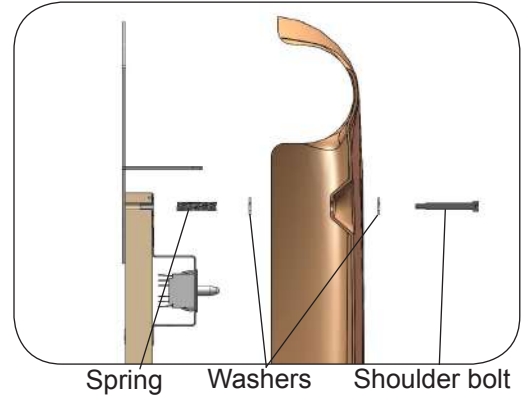


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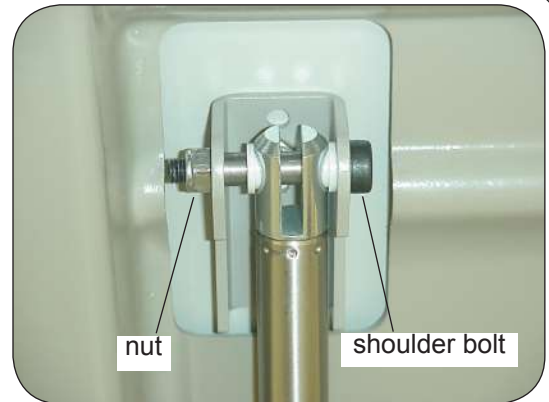


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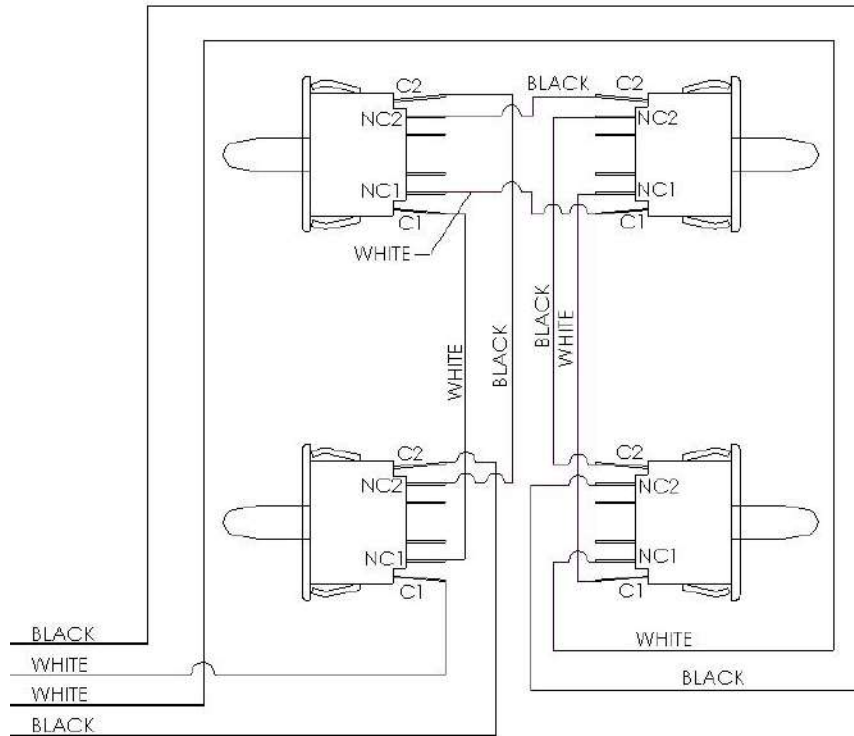
2. While supporting the seat back, re-attach the seat back actuator to seat back using existing shoulder bolt and nut.



3. Test the installation by depressing each of the four corners of the back shroud while lowering the seat. Properly functioning back limit switch will not allow downward movement of the seat while the shroud is depressed.



Power Steel Seat Back Limit Switch Wiring



Power Wood Seat Back Limit Switch Wiring

