

## 5TH BOW WILL NOT CLOSE

### TECHNICAL SERVICE BULLETIN

Reference Number(s): NTB03-122, Date of Issue: December 10, 2003

NISSAN: 2004 350Z Roadster

CLASSIFICATION: BT03-049

SECTION: Body and Trim

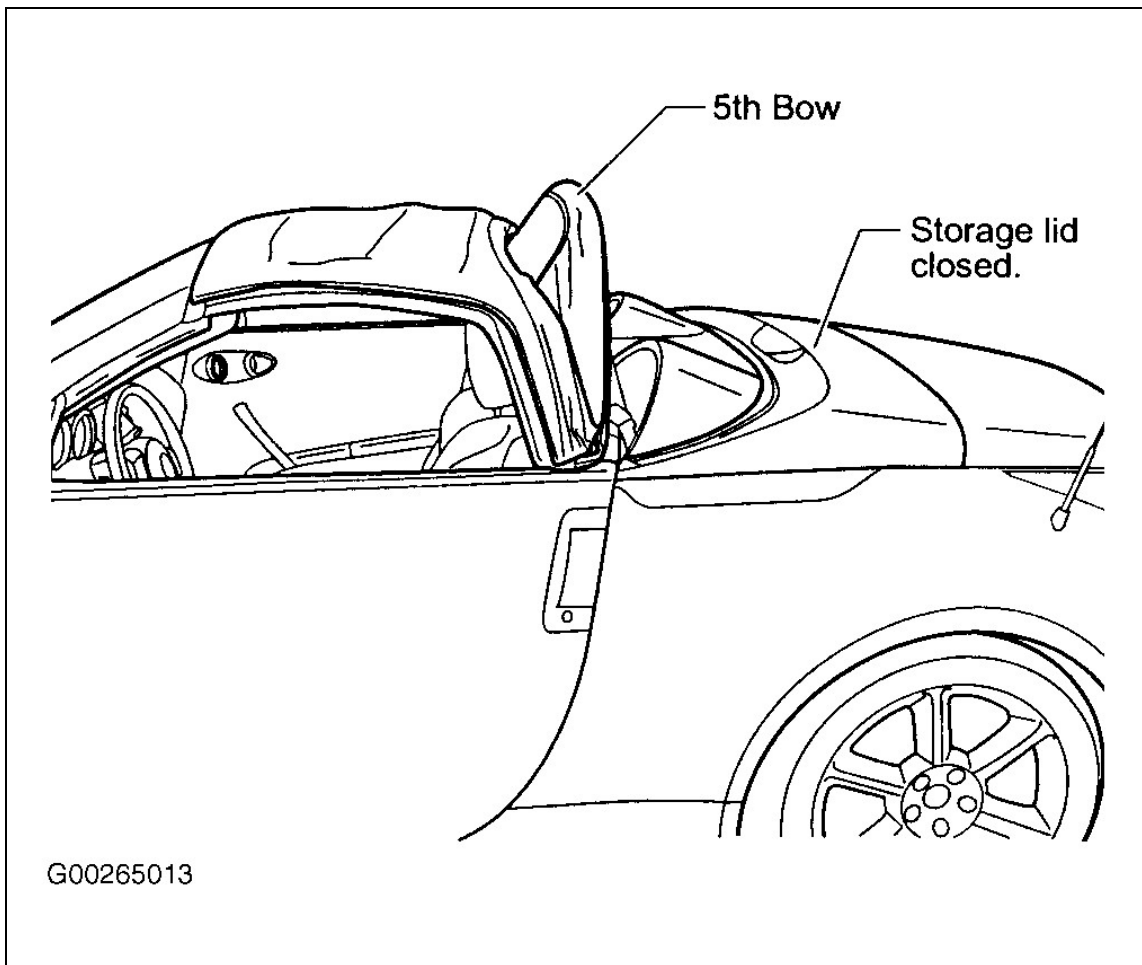
APPLIED VEHICLE(S): 2004 350Z Roadster (Z33)

### IF YOU CONFIRM

Both of the following symptoms:

- The soft-top 5th bow stops in this position (see Figure ) when closing, and:

Fig : 5th Bow Stuck



- Each time you press the power switch to the "Close" position the 5th bow will move a little (1 or 2 inches) towards the closed (down) position.

**NOTE:** *If the symptoms are not exactly as described above, this bulletin does not apply. Use the ESM to check for other causes.*

**ACTIONS**

- Lubricate the 5th bow lock assembly with Genuine Nissan Window Regulator Grease.
- Twist the Auto-Closure Wire back into the Closure Motor.

**PARTS INFORMATION**

PARTS INFORMATION

Description	Part #	Qty
Genuine Nissan Window Regulator Grease <sup>(1)(2)</sup>	999MP-WRG00P	1
<sup>(1)</sup> This grease must be ordered through the Nissan Direct Ship Chemical Care Product Program.		
<sup>(2)</sup> This tube will service multiple vehicles and is considered a shop supply.		

**IMPORTANT:** *The purpose of "ACTION" (above) is to give you a quick idea of the work you will be performing. You MUST closely follow the entire Service Procedure as it contains information that is essential to successfully completing this repair.*

**CLAIMS INFORMATION**

Submit a Primary Operation (PO) line claim using the following claims coding:

CLAIMS INFORMATION

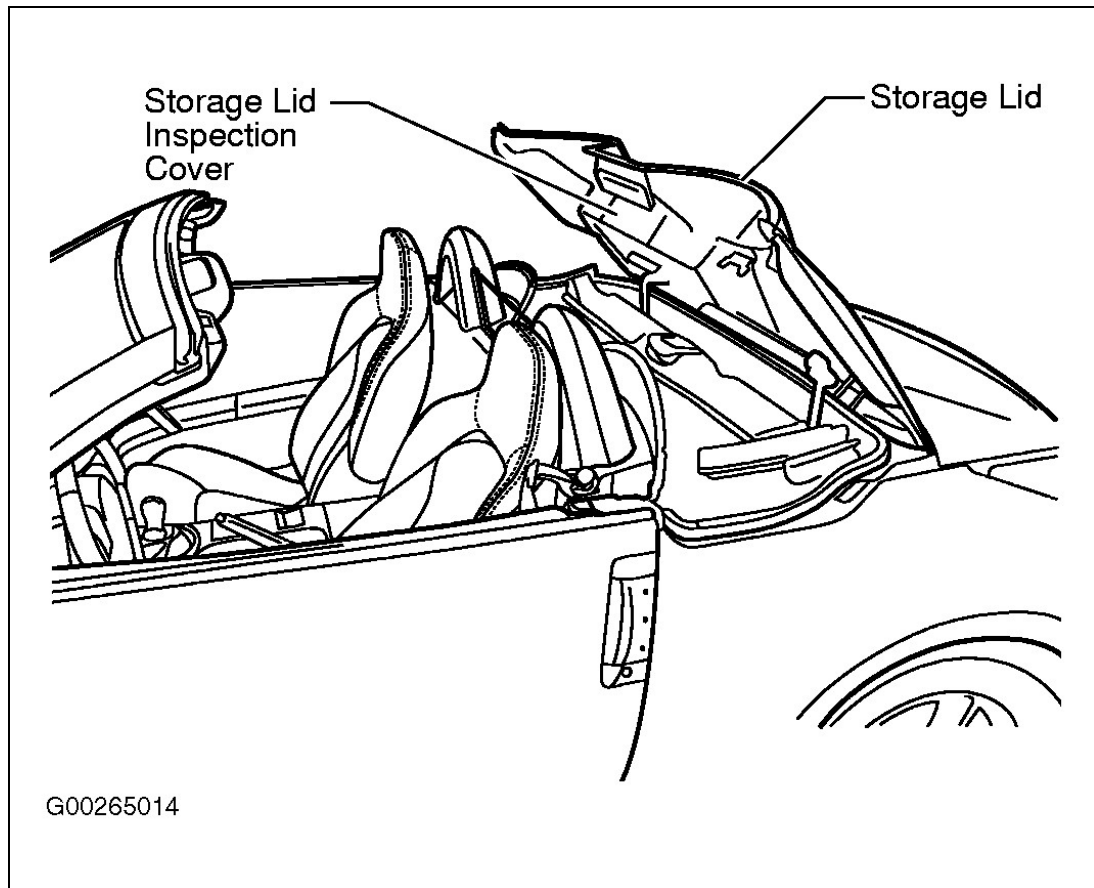
Description	OP Code	SYM	DIA	FRT
Lubricate 5th Bow Lock Assy & Relocate Wire	VX35AA	ZE	41	0.4 hrs

**NOTE:** *The grease is considered a shop supply - do not claim.*

## SERVICE PROCEDURE

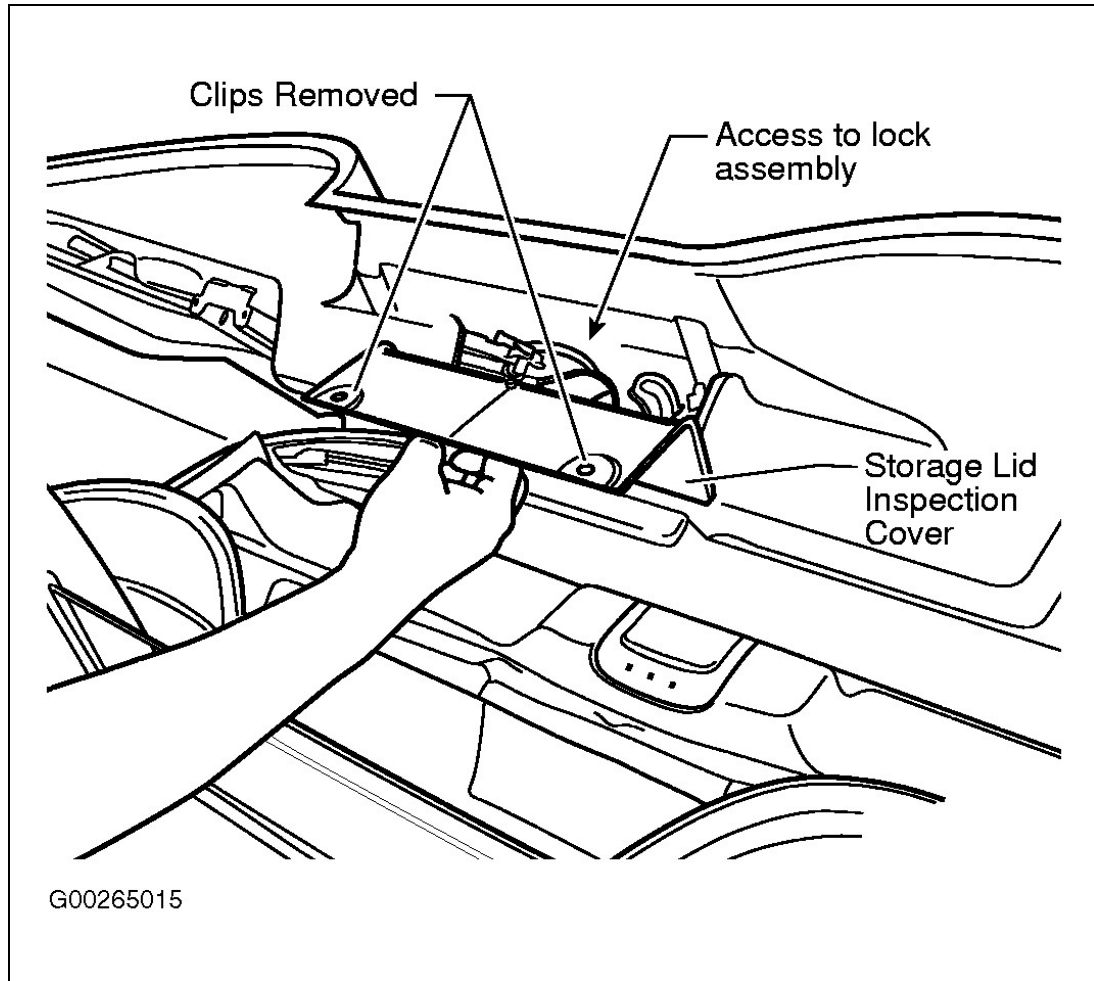
1. Move the storage lid to the position shown in Figure .
  1. Use the soft top power switch in the "Open" position.
  2. Soft-top should be folded into its storage area.

Fig : Moving Storage Lid into Position



2. Remove the storage lid inspection cover. See Figure .

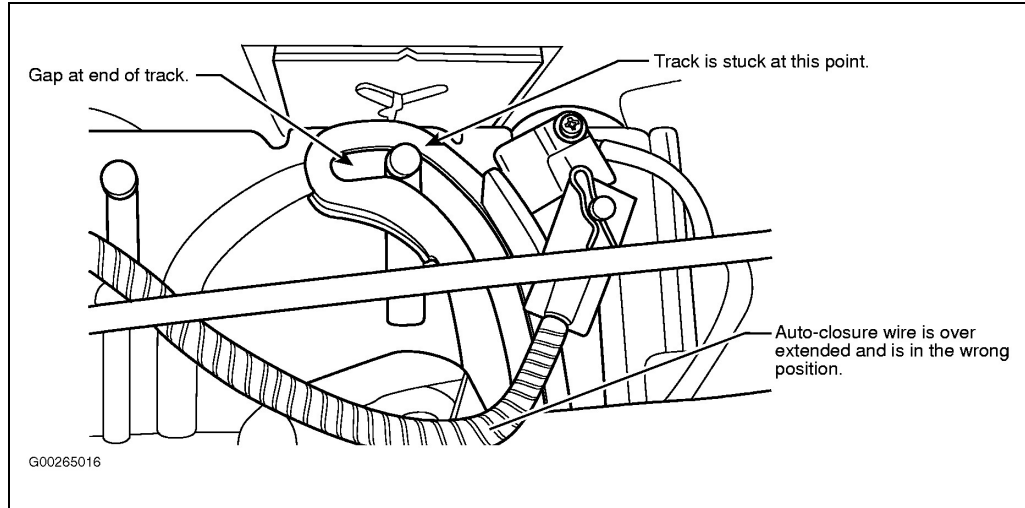
Fig : Removing Storage Lid Inspection Cover



3. To make sure this is the correct repair, check the lock assembly:
  1. The auto-closure wire will be "overextended" out of the motor in the wrong position.
  2. See Figure below.

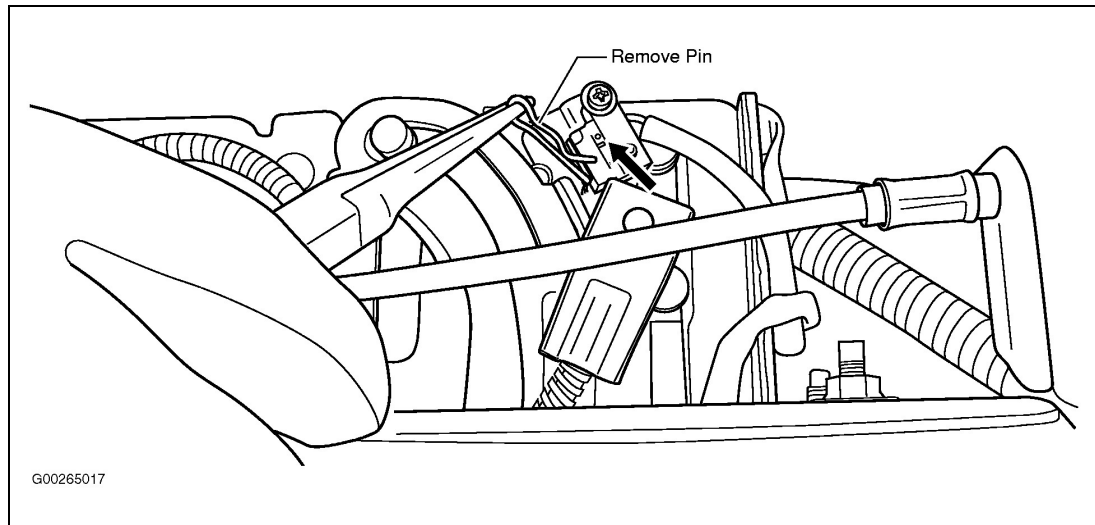
**NOTE:** Figure shows the correct position of the lock assembly.

Fig : Overextended Auto-closure Wire



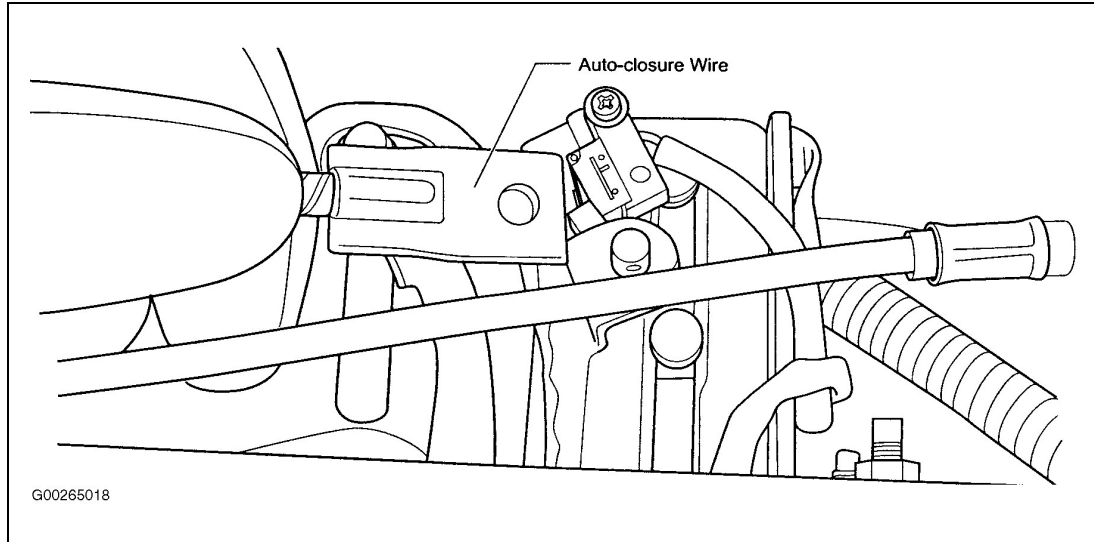
4. Remove the auto-closure wire retaining pin (see Figure ).

Fig : Removing Auto-closure Wire Retaining Pin



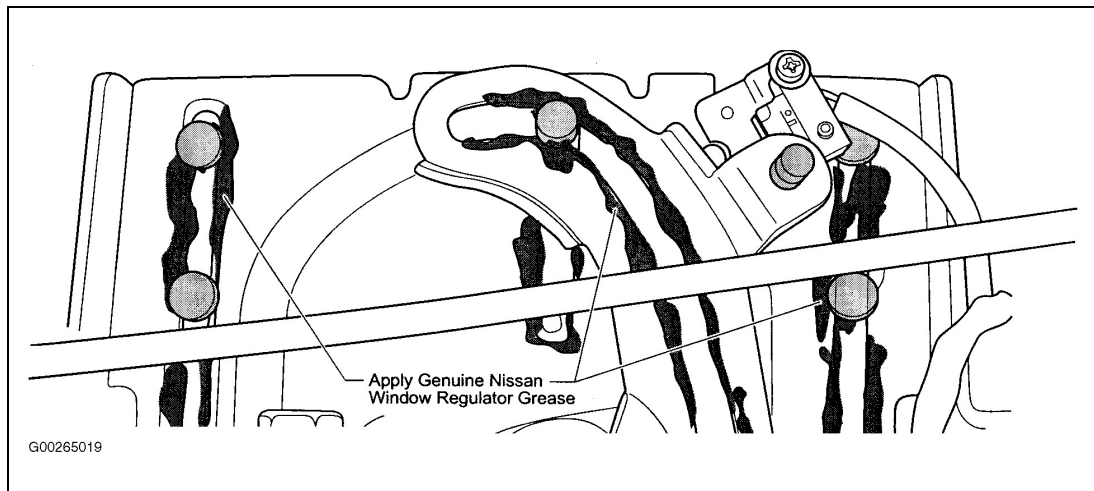
5. Disconnect the auto-closure wire (see Figure ).

Fig : Disconnecting Auto-closure Wire



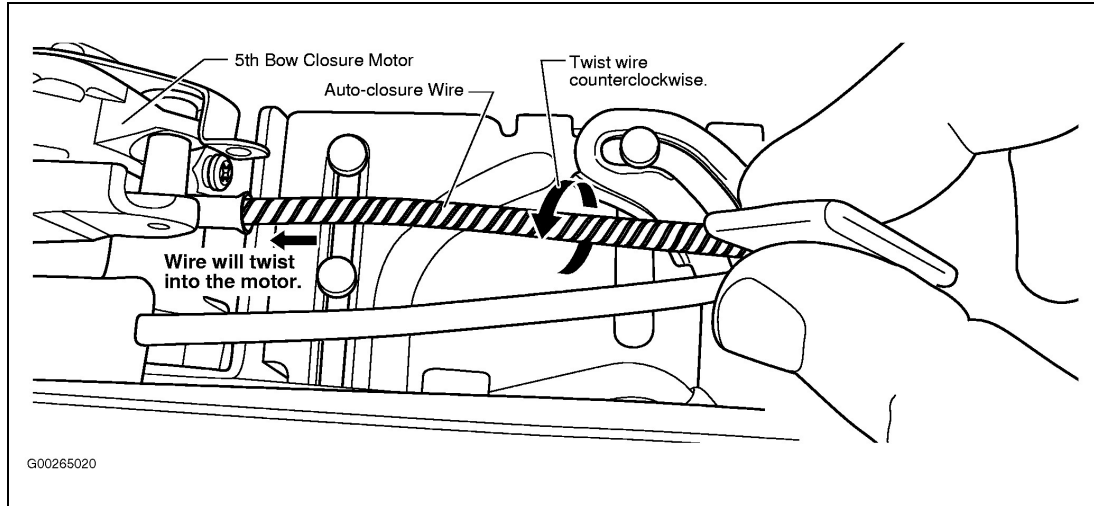
6. Apply Genuine Nissan Window Regulator Grease to the lock assembly as shown in Figure .

Fig : Applying Window Regulator Grease



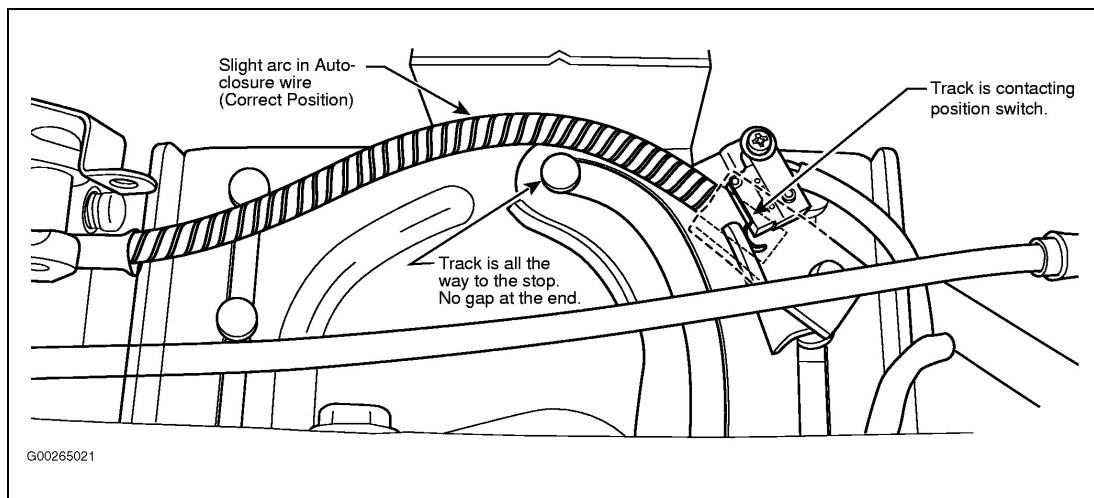
1. GENUINE NISSAN WINDOW REGULATOR GREASE MUST BE USED for this repair. This product is listed in the Parts Information.
  2. This product is the ONLY approved grease for this repair. This special grease has been tested in this and other applications and found to provide more durable, longer-lasting lubrication in severe conditions.
7. Twist the auto-closure wire "back" into the 5th bow closure motor (see Figure ).
    1. Twist the wire counterclockwise.
    2. The wire should move back into the motor about 1.5-2 inches.
    3. If the wire feels tight and won't twist, go to RESET AUTO-CLOSURE WIRE .

Fig : Twisting Auto-closure Wire into 5th Bow Closure Motor



8. Reconnect the auto-closure wire and make sure the lock assembly is in the position shown in Figure .

Fig : Reconnecting Auto-closure Wire



9. Reinstall the retaining pin (see Figure ).
10. Reinstall the storage lid inspection cover (see Figure ).
11. Make sure the soft-top opens and closes correctly.

### RESET AUTO-CLOSURE WIRE

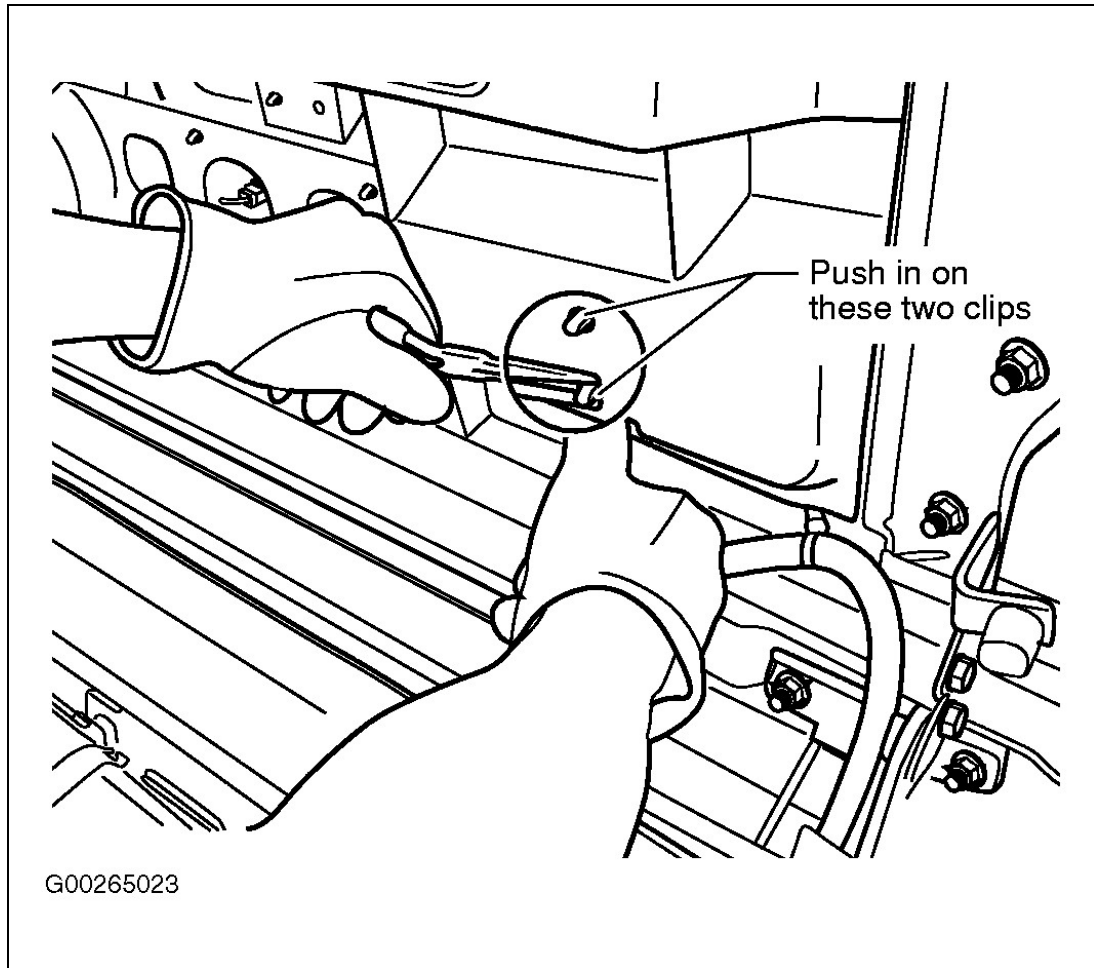
1. Use the soft top power switch to fully open the storage lid (see Figure ).

Fig : Fully Opening Storage Lid



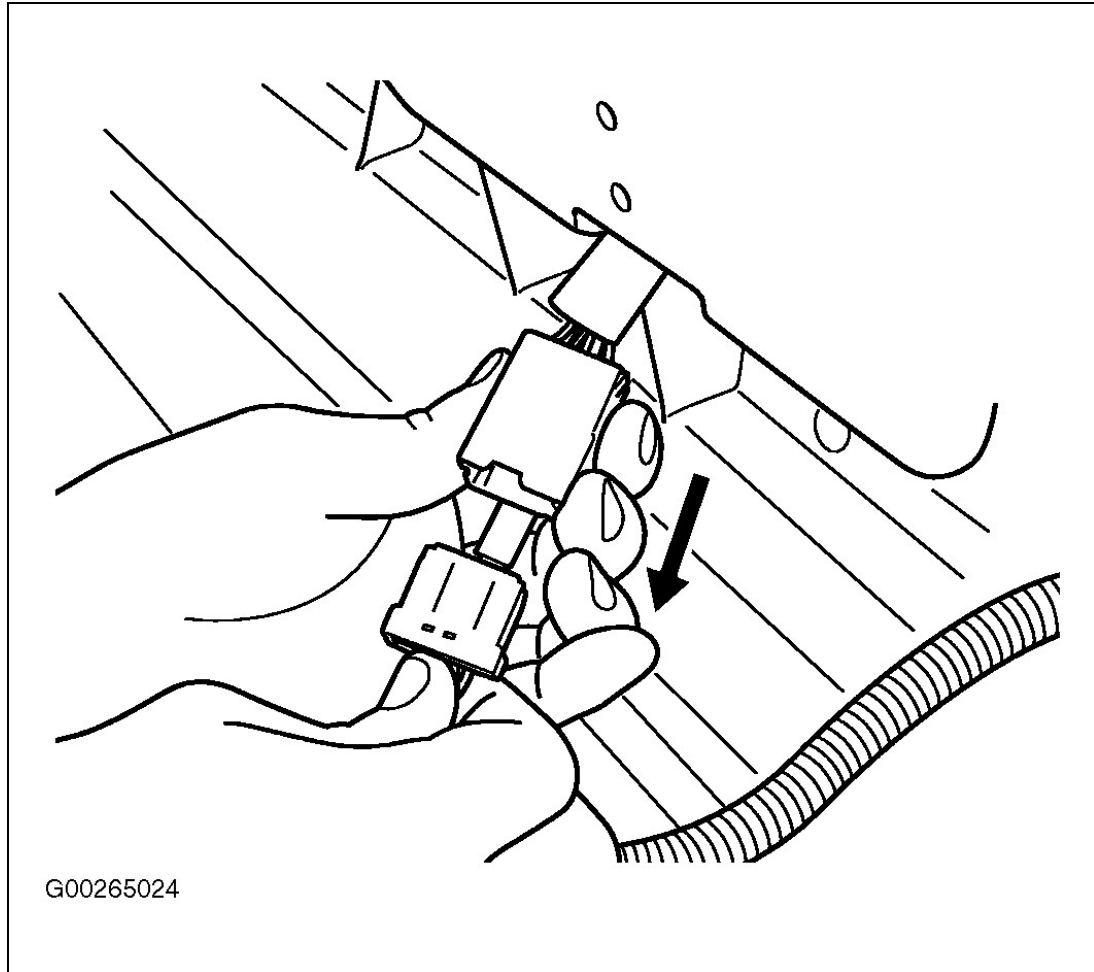
2. Remove the 5th bow closure motor connector from the storage lid (see Figure ).

Fig : Removing 5th Bow Closure Motor Connector From Storage Lid



3. Disconnect the connector. See Figure .

Fig : Disconnecting Connector

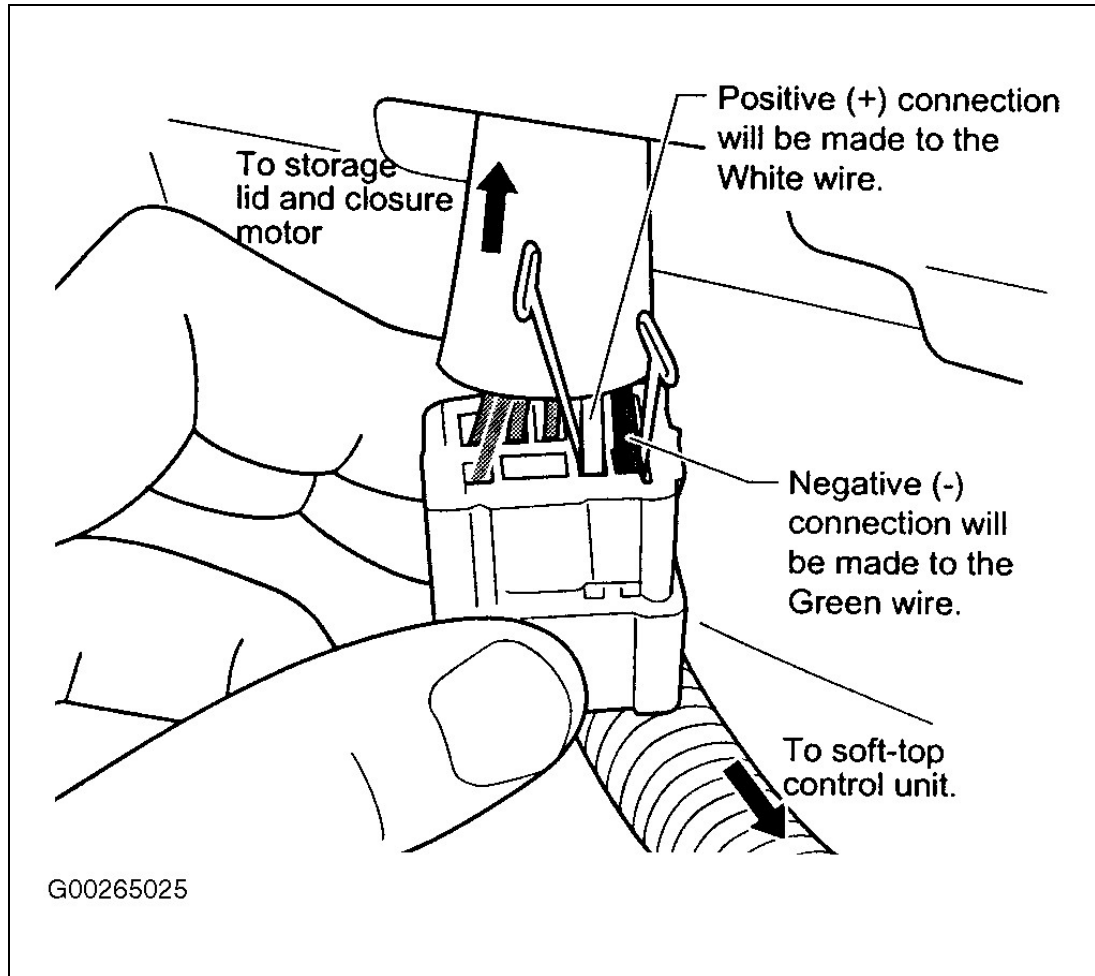


4. "Back-probe" the connector (White and Green wires) with T pins. See Figure .

**CAUTION:**

1. Make sure the connector is disconnected.
2. Make sure you are back-probing the harness side that goes into the storage lid.
3. Do Not back-probe the harness that goes to the soft-top control unit.

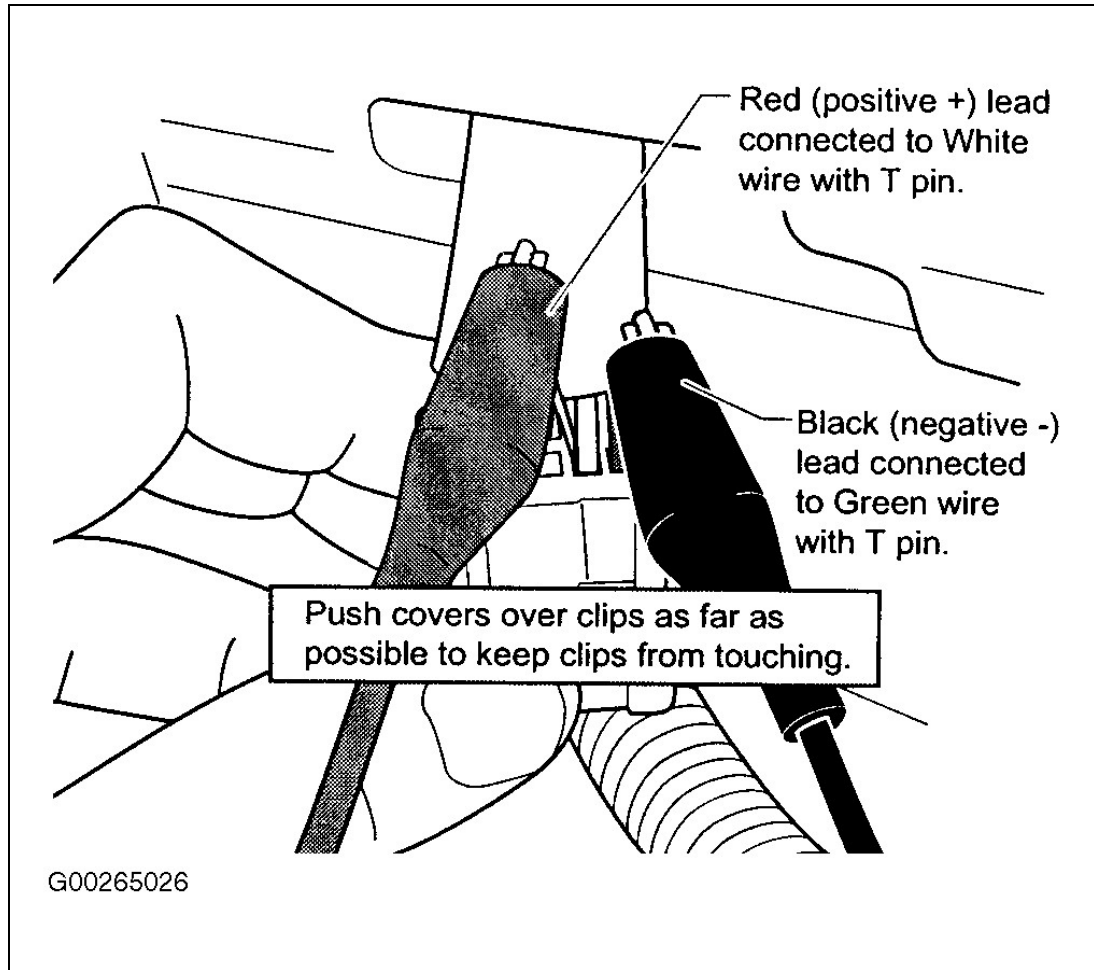
Fig : Backprobing Connector



5. Connect jumper leads to the T pins. See Figure .
  1. Positive to the White wire.
  2. Negative to the Green wire.

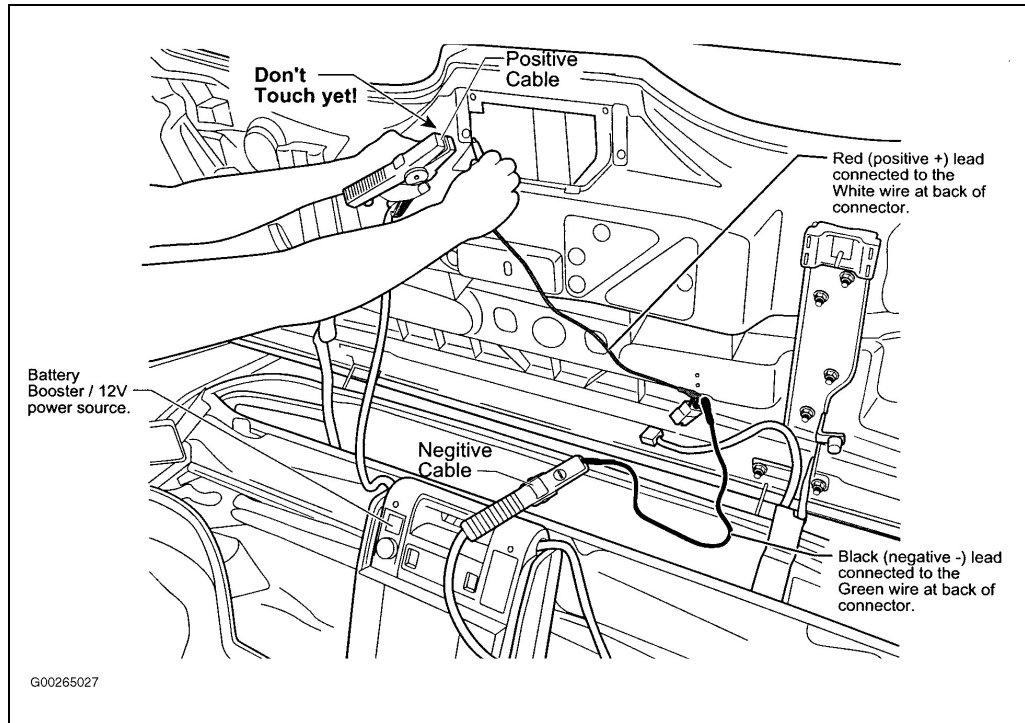
**CAUTION:** Do not supply power (12 volts) to the jumper leads yet.

Fig : Connecting Jumper Leads to T Pins



6. Set up a battery booster for use as a 12 volt power supply (see Figure ).
  1. Connect the negative booster cable to the black jumper lead (attached to the Green wire).
  2. Hold the positive booster cable and the red jumper lead (attached to the White wire) in a position so you can see the lock assembly at the same time.

Fig : Setting Up Battery Booster



7. "Tap" the red jumper lead to the positive booster cable (see Figure ).
  1. Watch the auto-closure wire.
  2. The auto-closure wire will "twist in" (shorten) as the booster cable and jumper lead are tapped together.
  3. After the auto-closure wire has shortened about 1/2 inch, return to step 7 .

Fig : Shortening Auto-closure Wire

