



SERVICE BULLETIN

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2004 350Z ROADSTER; SOFT TOP INFORMATION

<p>This bulletin amends NTB03-071. This version updates the Parts Information section. Please discard all paper copies of the earlier bulletin.</p>

APPLIED VEHICLE: 2004 350Z (Z33) Roadster

SERVICE INFORMATION

With the introduction of the new 350Z Roadster (Soft Top):

- Nissan has introduced the first motorized Soft Top on the Z.
- If a customer experiences an incident with the Soft Top, please refer to the information in this bulletin before performing any service or repairs.
- This bulletin contains information on:
 - a. Basic Soft Top operation
 - b. Soft Top repair: Do's and Don'ts
 - c. Wind noise and water leak diagnosis

BASIC SOFT TOP OPERATION

NOTE: An "open" top is folded down. A "Closed" top is up and latched.

- The Soft Top operation is completely automatic, except for the latch at the top of the windshield.
- The various movements required during the Top's automatic operation are controlled by the Soft Top Control Unit.

- To open/close the Top, after it is unlatched at the windshield:
 - a. The foot brake must be applied (brake light switch must be ON).
 - b. Start the engine (keep it running to prevent low voltage during Soft Top operation).
 - c. Vehicle speed must be less than 2½ mph.

NOTE: The vehicle should be completely stopped, with the transmission in park or neutral when operating the Soft Top.
 - d. Press and hold the Soft Top open/close switch until the Soft Top has fully opened/closed and the warning light goes OFF.
- During the Soft Top open/close (down/up) operation, the passenger seat back will tilt (move) a small amount (about 6 degrees). If you need to cancel this tilt movement (such as when a child restraint is installed in the passenger seat), move the seat tilt cancel switch—located on the back of the seat—to the “cancel” position.

Precautions

- Make sure the rear window defogger switch is OFF when the Top is open (down). If it is ON, the heat from the defroster grid could damage the Soft Top material.
- Do not operate the Top when the ambient temperature is below 32 degrees F, this could damage the Soft Top material.
- Make sure the Soft Top is clean and dry before it is opened (moved to the down position).
- The Soft Top may be damaged if a high pressure or automatic car wash is used.
- Do Not use strong soap or chemicals to clean or wash the Soft Top. Follow the care and cleaning instructions in the Owner's Manual.
- If glass cleaner gets on the Soft Top, wash it off immediately with clean water.
- The vehicle Owner's Manual and the Service Manual (ESM) include information for closing the Top manually if there is a malfunction.
- Please read all of the Soft Top information in these manuals to become more familiar with its operation and function.

SOFT TOP REPAIR: DO'S and DON'TS

If you confirm an Applied Vehicle has any Soft Top assembly malfunction, including:

- Incorrect Soft Top operation caused by limit switch adjustment or operation.
- Soft Top material blemish or damage from the factory, including damage to the rear window.

NOTE: Soft Top damage caused by environmental factors or improper care and use is not covered by the vehicle warranty.

- Broken/damaged Soft Top assembly components.
- Soft Top operating motor failure.

Action: Replace the entire Soft Top assembly.

- Refer to the Service Manual (ESM), section RF, for Soft Top replacement instructions.
- Nissan will replace the Soft Top assembly on 350Z Roadsters rather than repairing individual components.
- Authorization from TECH LINE is required for Soft Top assembly replacement.

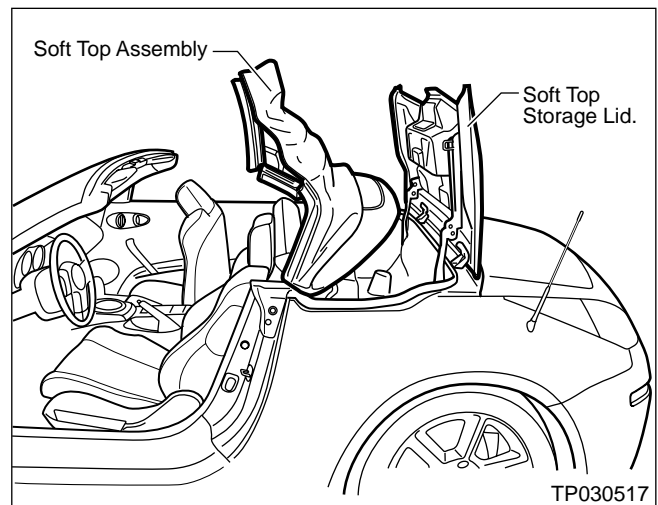


Figure 1

- This “replace versus repair” policy will be used at vehicle launch to collect the incident part as a complete unit. This will allow complete analysis of the conditions that may be causing the incident.
- Nissan will notify dealers when this policy no longer applies and specific component repairs are allowed.

- This policy applies only to the Soft Top assembly. Parts/components that are not part of the Soft Top assembly include:

- a. Soft Top Control Unit
- b. Storage lid and associated lifting motors and drive components
- c. Wiring harnesses

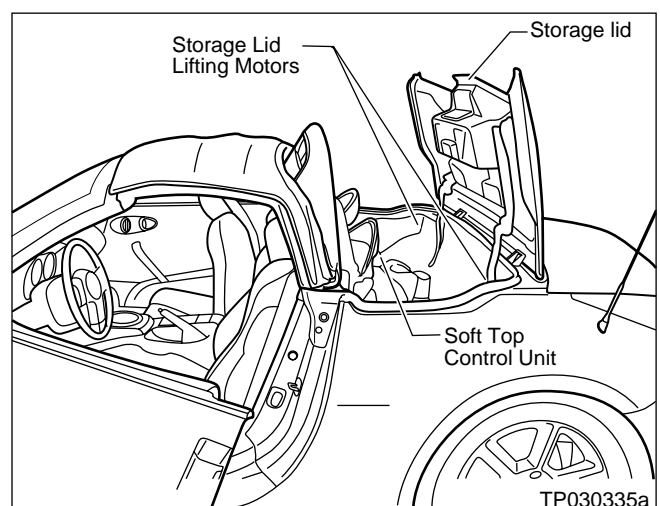


Figure 2

IMPORTANT: When performing any service or replacement of the Soft Top,

- **Do not “disturb”** (loosen or remove) the bolts shown in Figure 3.
- These bolts secure the Soft Top mounting brackets (left, right, front and rear) to the vehicle body.

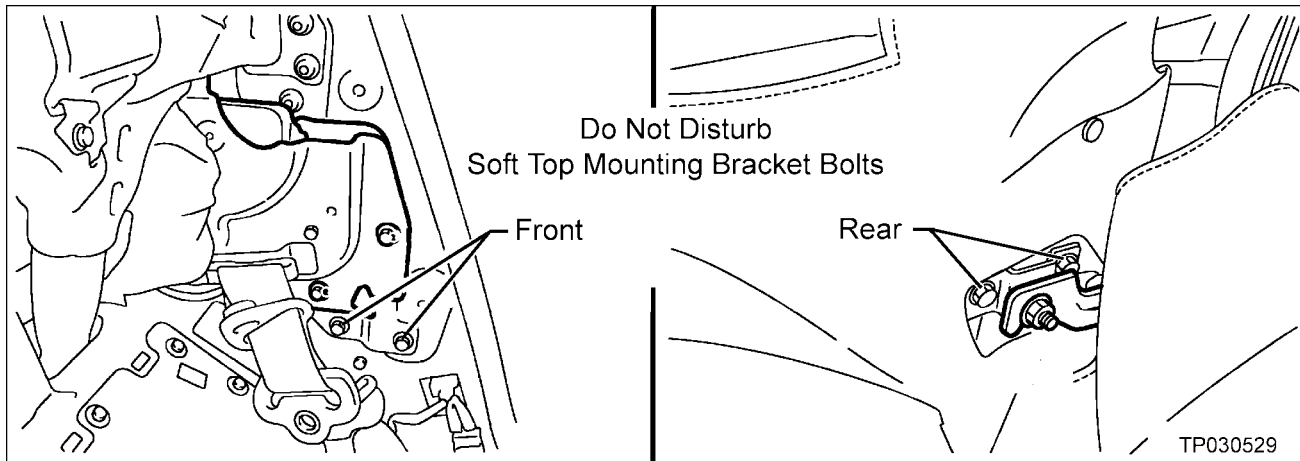


Figure 3

- **Do not “disturb”** (move or change) the adjustment of the Soft Top locating sockets shown in Figure 4.

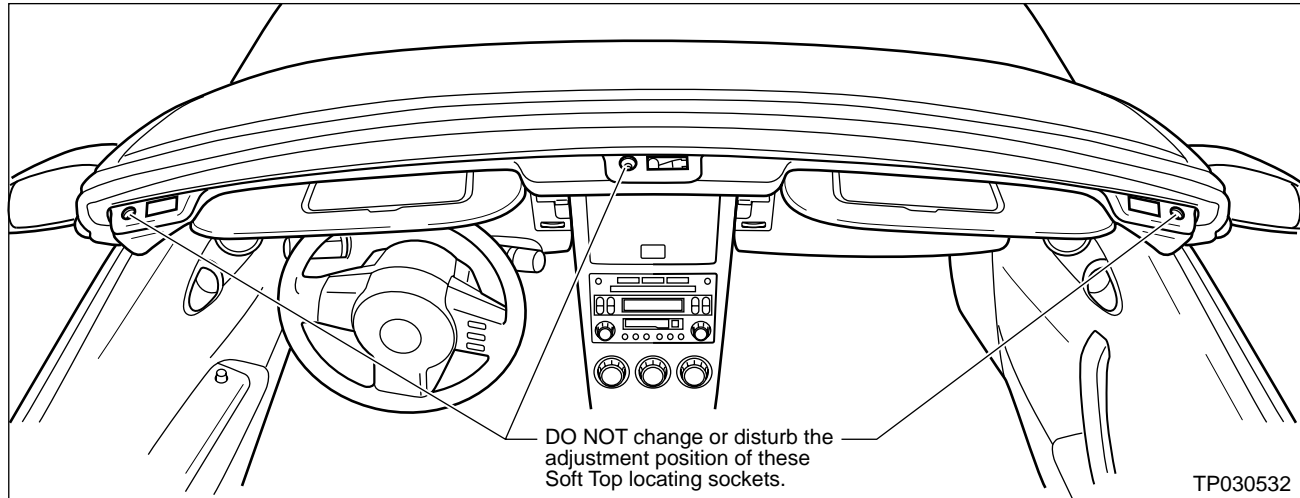


Figure 4

- The Soft Top mounting brackets and locating sockets shown in Figures 3 and 4 are very “precisely” (accurately) adjusted at the factory to ensure proper Soft Top fit and function.
- Any change to this adjustment may cause poor fit, resulting in possible water leaks and wind noise.
- If loosened or removed, these items will require the services of a body shop to accurately readjust them.

Other Soft Top Repairs:

- Before performing any service/repair of the Soft Top, make sure to:
 - a. Confirm the customer's complaint (make sure you know exactly what the customer's concern is).
 - b. Make sure the concern/complaint is really a malfunction (compare the customer's concern to a known-good vehicle).
- Squeak, rattle, water leaks, and/or wind noise incidents should be repaired using the suggested diagnostic and repair methods found in the Service Manual (ESM) and this bulletin.
 - a. These repairs are expected to require only the addition of anti-rattle tape, foam (EPT) seal (*and other identified materials in the Service Manual*).
 - b. **They should not require the replacement or adjustment of Soft Top mechanical components.**
- If any repair requires the replacement or adjustment of any Soft Top parts or components (including the Soft Top assembly), **contact TECH LINE for authorization.**

WIND NOISE

The following do not indicate a malfunction or defect:

- Wind noise which is heard from the entire Soft Top. The source or location of the noise is not identified; no specific source is found.
- A small wind noise which you must place your ear very close before you hear it.
- Noise from other vehicles that are driving close by.
- Wind or turbulence noise that occurs when the Soft Top is open (down).

Wind noise that should be repaired:

- Whistle noises.
- Any wind or air leak noise for which a specific location or source area can be identified without having to put your ear right up to it.

WATER LEAKS

- No repair is necessary when water leaks occur only when using an automatic car wash or high pressure water spray.

Testing for possible incident water leaks.

- Use a water hose that has an inner diameter of approximately ½ inch.
- Adjust the water pressure enough to flow out the end of the hose a distance of about 27 inches with the hose 39 inches above the ground (see Figure 5).

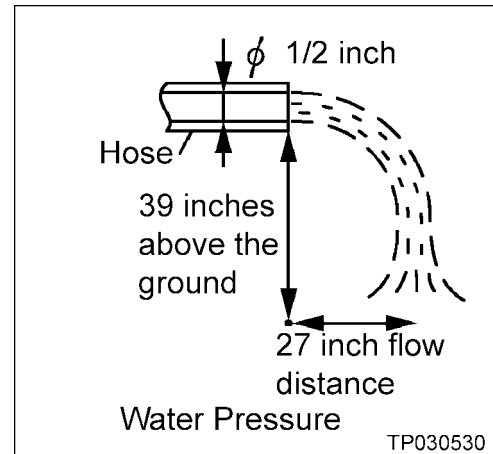


Figure 5

- Hold the hose approximately 4 inches from the vehicle and run water back and forth across the Soft Top and the suspected leak area.
- Move the hose slowly (approximately 4 inches per second). Moving the hose faster or shaking the hose may cause higher water pressure to be applied to the sealing areas.
- **Do Not** use your finger or other method to spray water from the end of the hose.
- While running water across the Top, water should not flow/drip into the “cabin” (interior) from any cracks or gaps around the edges of the Soft Top.

IMPORTANT NOTE:

If water accumulates at the inside edge of the side window glass, and then a small amount (couple of drops) trickle down the inside of the glass:

This is judged to be OK; no repair is needed.

PARTS INFORMATION

Parts which are components of the Soft Top assembly have been placed on parts restriction and may not be ordered individually.

When replacing the Soft Top assembly, the trim that covers the guard frames will need to be removed. They are not reusable and will need to be replaced. The part numbers for these trim pieces are listed below.

DESCRIPTION		PART #	QUANTITY
Folding Roof-complete (Black)		97003-CE440	1
Folding Roof-complete (Blue)		97003-CE441	
Seat Bar/Guard Frame Finishers (clam shells)			
Front Half Right side	Cover-Strut Bar Upper, Center (Black)	93130-CE400	1
	Cover-Strut Bar Upper, Center (Gray)	93130-CE401	
Front Half Left side	Protector-Guard Frame, LH (Black)	93131-CE400	1
	Protector-Guard Frame, LH (Gray)	93131-CE401	
Rear Half Right side	Plate-Guard Frame, RH (Black)	93154-CE400	1
	Plate-Guard Frame, RH (Gray)	93154-CE401	
Rear Half Left side	Plate-Guard Frame, LH (Black)	93155-CE400	1
	Plate-Guard Frame, LH (Gray)	93155-CE401	

CLAIMS INFORMATION

NOTE: For warranty-reimbursable “Water Leak, Dust Entry” repairs, reference Section “UY” in the current Nissan Warranty Flat Rate Manual.

For the following AUTHORIZED warranty-reimbursable repair operations, submit a Primary Failed Part (PP) line claim:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
R&R Complete Top Stack Assy.	(1)	UV80AA	(2)	(2)	1.3 hrs
RPL Rear Lock Assy – One Side	(1)	UW12AA	(2)	(2)	(3)
RPL Top Storage Lid Assy	(1)	UW26AA	(2)	(2)	(3)
RPL Storage Lid Opener Motor – One Side	(1)	UW94AA	(2)	(2)	(3)
RPL Storage Lid Opener Motor – Both Sides	(1)	UW95AA	(2)	(2)	(3)

1. Reference the Z33 Roadster Parts Catalog and use the indicated component P/N as the PFP.
2. As indicated by the customer complaint and the technicians diagnosis.
3. Reference the current Nissan Warranty Flat Rate manual and use the indicated FRT.

For the following AUTHORIZED warranty-reimbursable adjustment operations, submit a Primary Operation (PO) line claim using the following claims coding:

DESCRIPTION	OP CODE	SYM	DIA	FRT
ADJ Top Stack Assy	WH32AA	(1)	(1)	(2)

ADJ Top Storage Lid	WH34AA	(1)	(1)	(2)
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1. As indicated by the customer complaint and the technician’s diagnosis.
2. Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.

IMPORTANT: The following repair operations ARE NOT AUTHORIZED for warranty-reimbursable operations. Do not attempt these repairs until further notice:

DESCRIPTION	OP CODE
RPL Top Cover Assy	UV10AA

RPL Rear Hatch Motor & Rail	UV62AA
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RPL Top Folding Motor – One Side	UV66AA
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RPL Top Folding Motor – Both Sides	UV67AA
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RPL Top Stack Front Limit Switch	UV74AA
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RPL Top Stack Rear Limit Switch	UV76AA
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RPL Storage Hatch Rear Limit Switch	UV78AA
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