

Subject: CONVERTIBLE TOP TENSION BAND(S) DETACHED FROM HEADER PANEL AND HANGING DOWN	Bulletin No: 09-054/16
	Last Issued: 12/19/2016

BULLETIN NOTE

This bulletin supersedes the previously issued bulletin(s) listed below. The changes are noted in Red beside the change bars.

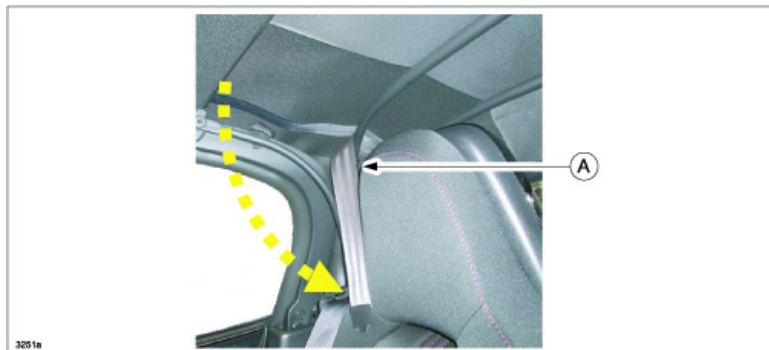
Previous TSBs:	Issued Dates:
09-054/16	10/21/16

APPLICABLE MODEL(S)/VINS

2016-2017 MX-5 vehicles with VINs lower than JM1ND****H*121455 (produced before September 23, 2016)

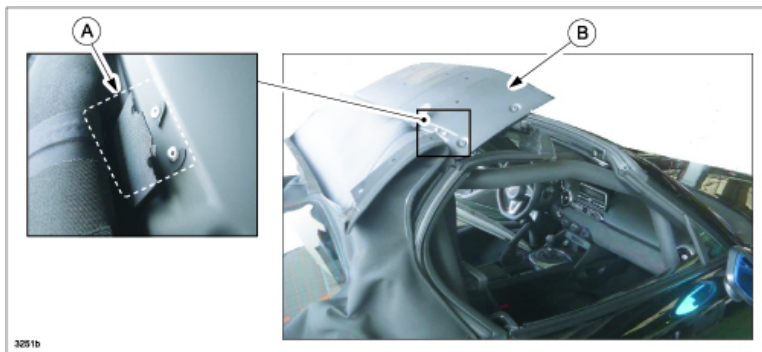
DESCRIPTION

Some vehicles may exhibit the driver and/or passenger side tension band(s) (A) hanging down from the convertible top.



Upon inspection, the plastic plate (A) of tension band is broken where it is riveted to the header panel (B). This is caused by insufficient strength of the plastic plate. To correct this issue, the configuration of the tension band will be changed to increase the strength.

NOTE: The header panel is shown with the fabric top removed.



Customers having this concern should have their vehicle repaired using the following repair procedure.

OUTLINE

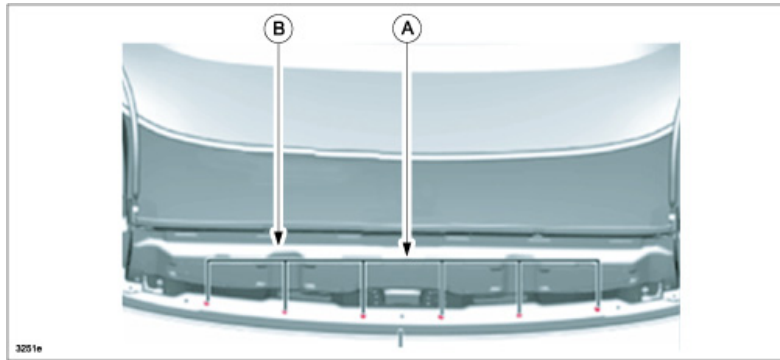
NOTE: REPAIR BOTH SIDES EVEN WHEN IT IS BROKEN AT ONE SIDE ONLY.

1. Remove the broken plastic plate (A) from the tension band (B).
2. Push two holes in the tension band and the header panel (C) respectively at the specified positions.
3. Attach the tension band to the header panel with two rivets and washers (D).

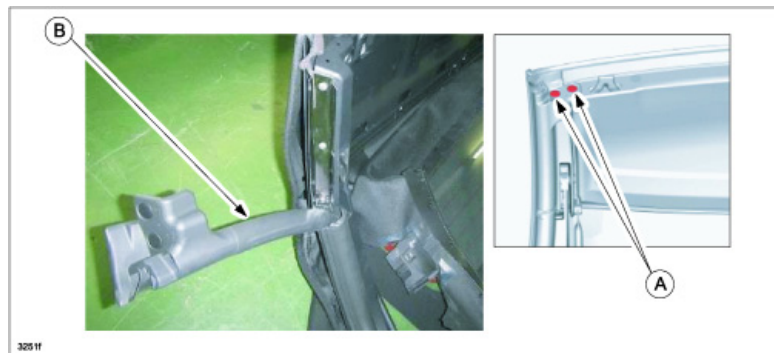
Before Repair	After Repair
The image shows a close-up of the broken plastic plate (A) and the tension band (B). The label 3251c is visible in the bottom left corner.	The image shows the tension band (B) attached to the header panel (C) with two rivets and washers (D). The label 3251d is visible in the bottom left corner.

REPAIR PROCEDURE

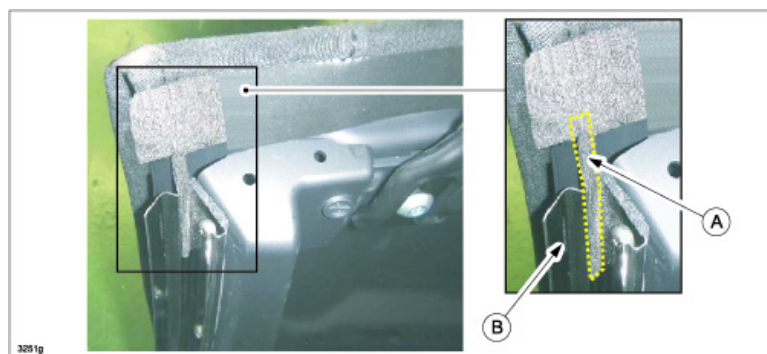
1. Verify customer concern.
2. Remove the header cover according to the instructions on MS3 online (HEADER COVER REMOVAL/ INSTALLATION).
3. Remove the screws (A) from the header panel (B).



4. Remove the two fasteners (A), then remove the link weather strip No.1 (B). (Both sides)

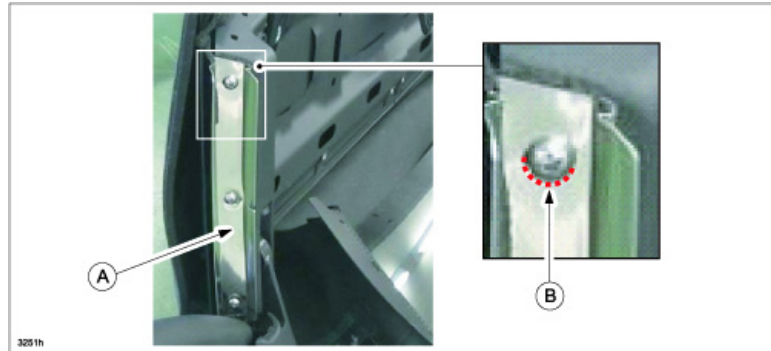


5. Remove the EPT sealer (A) on the retainer (B). (Both sides)

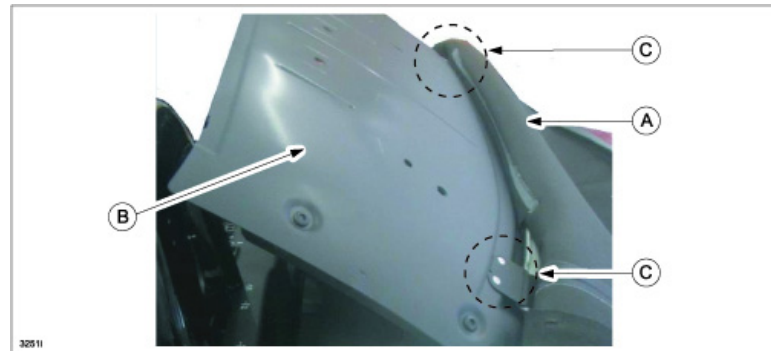


6. Remove three screws and remove the retainer (A). (Both sides)

NOTE: Before removing the three screws, place a marking (B) around the screw so that the retainer can be installed in the original position.



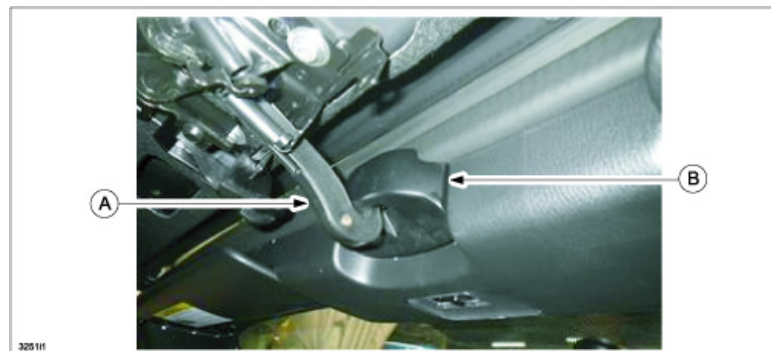
7. Remove the top fabric (A) from the header panel (B) until the fixing points (C) of tension bands are exposed.



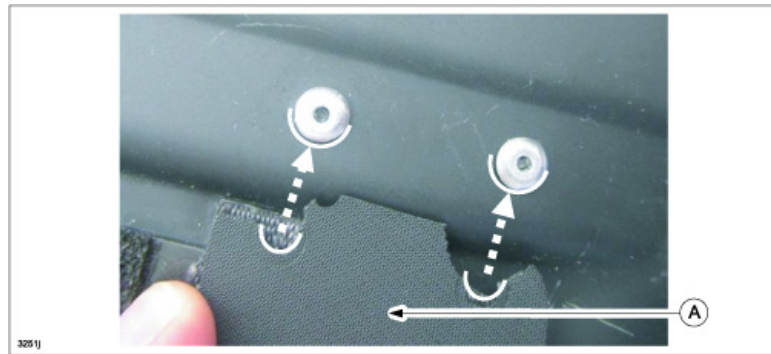
8. Close the convertible top and engage the striker (A) in the latch (B). (Half lock condition)

NOTE:

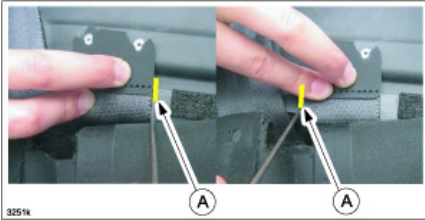
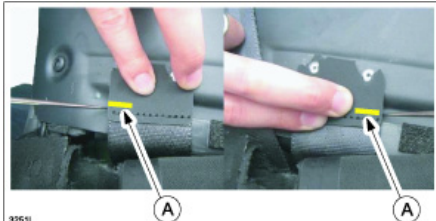
- It is easier to perform the following steps, if the convertible top is fixed.
- DO NOT close (lock) the convertible top completely. Otherwise, the tension band will be stretched excessively and the repair cannot be performed correctly.



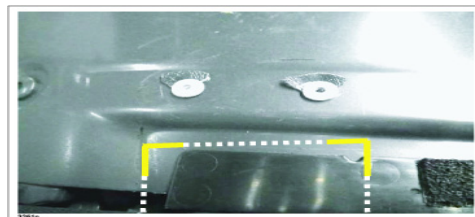
9. Fit the broken plastic plate (A) to the original installed position.



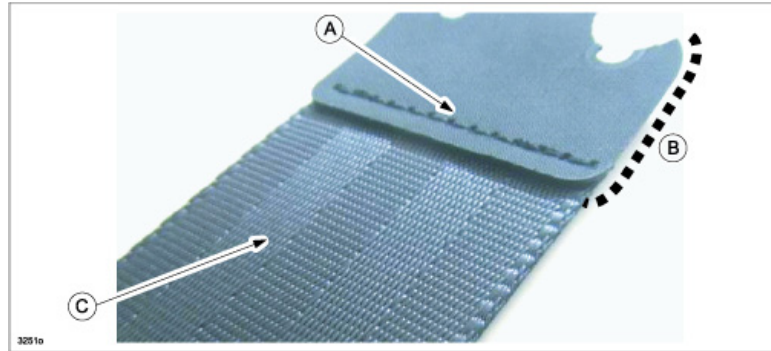
10. While holding the plastic plate, put four marks (A) on the header panel to indicate the original installed position of the tension band as shown.

Edge Position	Side Edges	Top Edge
		

After the four markings

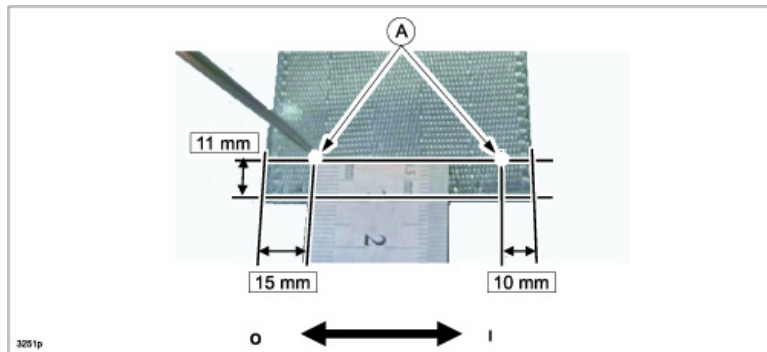


11. Cut the stitches (A) using a sharp box knife and remove the plastic plate (B) from the tension band (C).



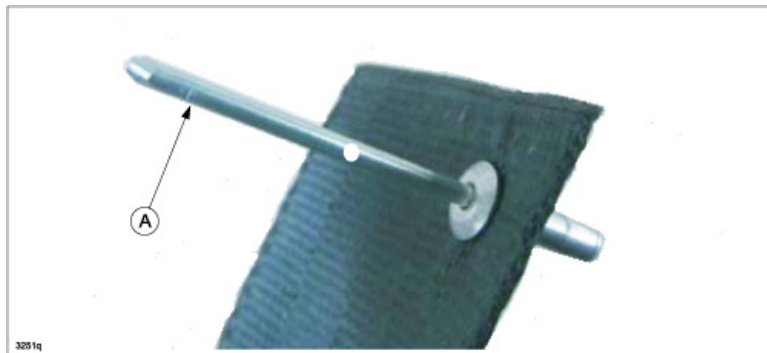
12. Mark the positions (A) as shown to create two rivet installation holes in the tension band,

CAUTION: Pay close attention where the marks are placed. DO NOT mistake the vehicle inner (I) and outer (O) sides.



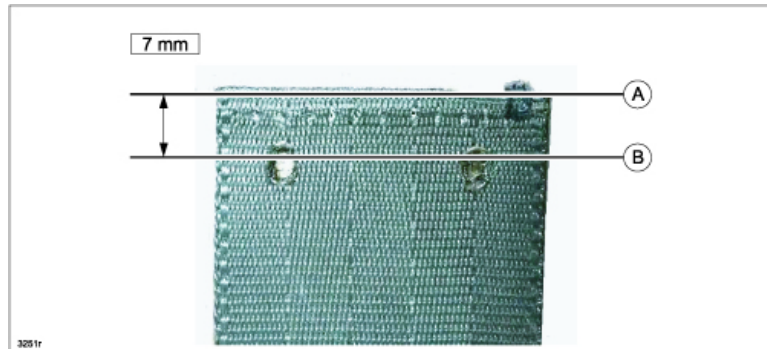
13. Using a soldering iron, create two holes with a smaller size than the rivet (A) at the positions marked in the previous step.

CAUTION: The holes must be located exactly in the specified positions, or this Repair Procedure will not be successful and the convertible top assembly will need to be replaced.

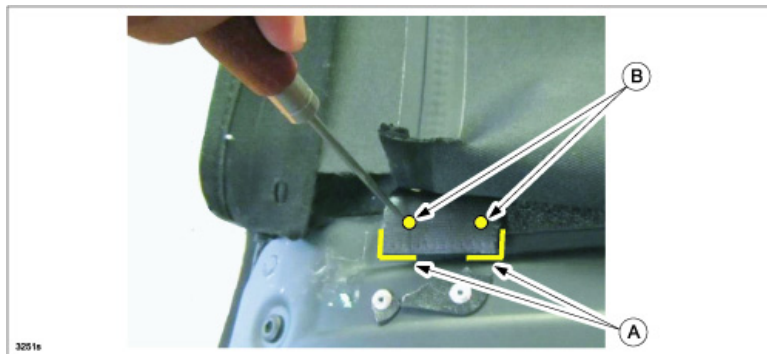


14. Verify that the width between the tension band edge (A) and the edge (B) of holes is more than 7 mm.

NOTE: If the width is less than 7mm, the convertible top assembly will need to be replaced with a new one.



15. Place the tension band to the originally installed position by aligning it with the marks (A) made before, and mark the position (B) to drill holes in the header panel.

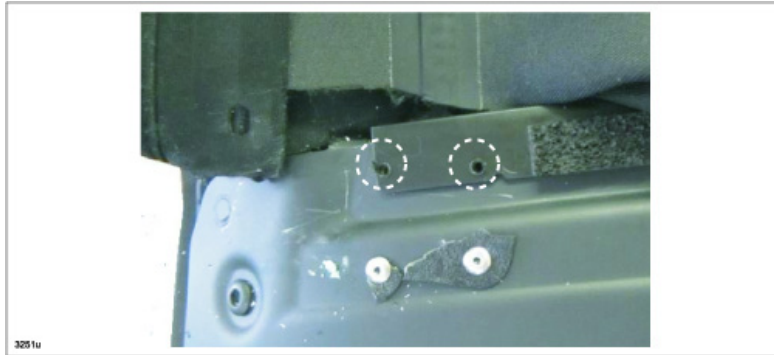


16. Drill two holes with a diameter of 4 mm in the header panel at the positions marked in the previous step.

NOTE: Make sure to capture the metal shavings while drilling so they do not fall into the vehicle cabin.



17. Remove burrs from the holes after drilling.

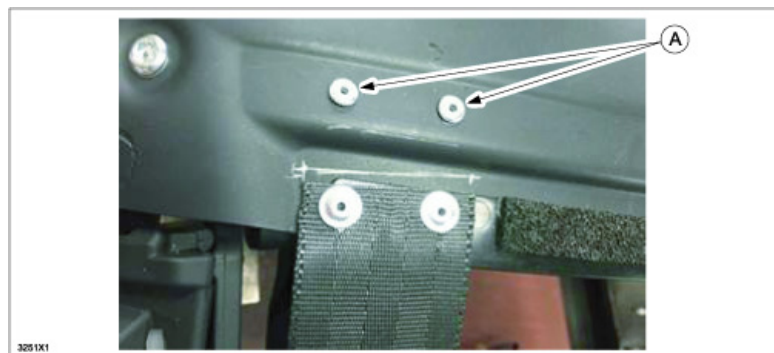


18. Looking at the cabin side of the header panel (A), check if the protector (B) interferes with the rivet when installed. If it interferes, chip or melt the protector appropriately using a soldering iron to create room for rivet installation.

Before	After	After rivet installed

19. Install the tension band with rivets (9025-73-209) and washers (9995-20-412).

NOTE: DO NOT remove the original rivets (A). If they are removed, part of the rivet might remain in the header panel and could cause a noise.



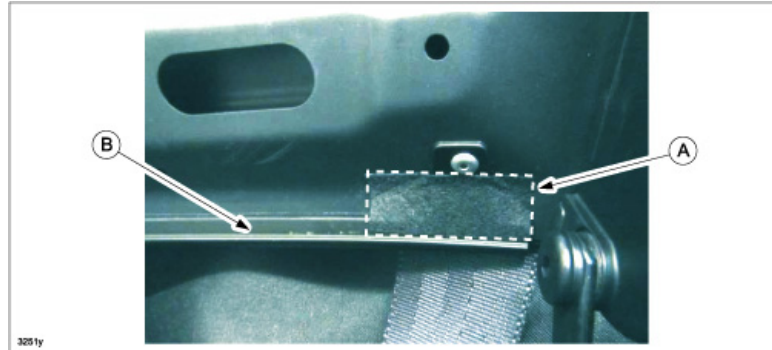
20. Verify that the rivets are tight. If they are not tight, remove the rivets and install new ones.

NOTE: If the washer is loose, the rivet is not tight.

21. Temporarily install the header cover and verify that the rivets do not contact the header cover. If it does make contact, file off the lower part of the rivet.

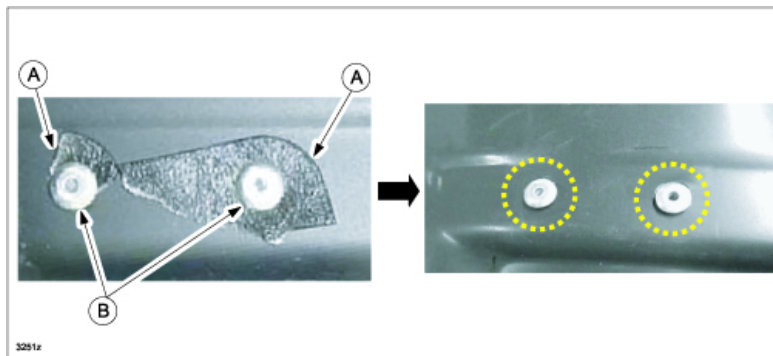
22. Select a 0.25mm thickness sheet from the “Noise Repair Kit” (TA01 76 100) and cut the sheet into 2 pieces of size 50 X 20 mm. Attach the sheet (A) and align it with the protector line (B) in order to cover the rivets. (Both sides)

NOTE: If the sheet is not installed, the rivets may be visible at the clearance between the header cover and the header panel.



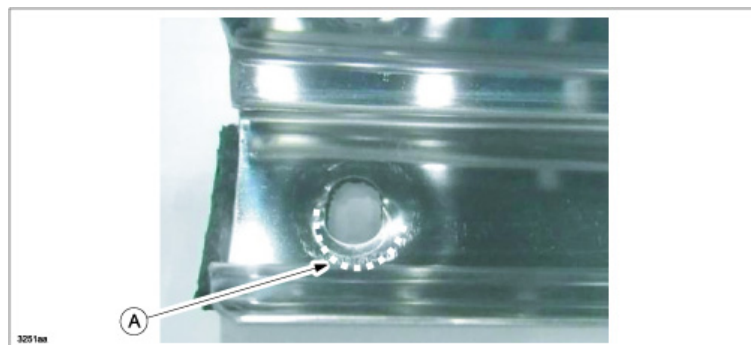
23. Remove pieces (A) of the broken plastic plate remaining around the old rivets (B).

NOTE: If the pieces are not removed, they may fall out later in the interior of the vehicle.



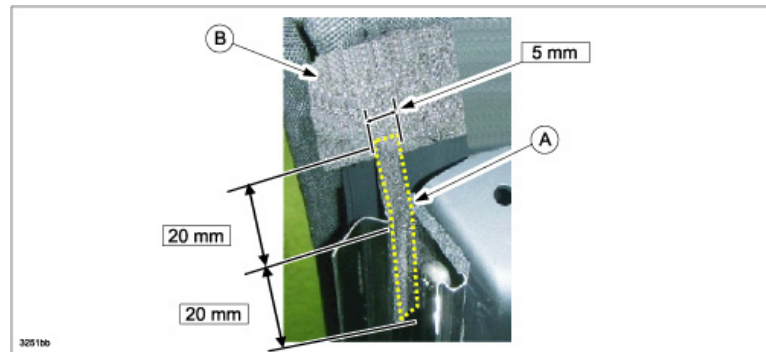
24. Install the top fabric to the header panel in reverse order of removal.

- a. Install the retainer in the originally installed position by aligning the screw with the marking (A) made before.



- b. Cut the EPT sealer (NF47-R1-182) into 2 pieces 40mm X 5mm.

- c. Attach the new EPT sealer (A) on the retainer. (Both sides)



- d. Replace the EPT sealer (B) (NF47 R1 182) at the front corner of the top fabric with a new one. (Both sides)

25. Install the header cover according to the instructions on MS3 online (HEADER COVER REMOVAL/INSTALLATION).

26. Verify repair.

PART(S) INFORMATION

Part Number	Description	Qty.	Notes
9025-73-209	Rivet	4	---
9995-20-412	Washer	4	---
NF47-R1-182	EPT Sealer	3	---
TA01-76-100	Noise Repair Kit	1	Use a 0.25mm thickness sheet in the kit.

WARRANTY INFORMATION

NOTE:

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Mazda's New Vehicle Limited Warranty.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	89
Damage Code	9A
Part Number Main Cause	N243-R1-100* (Soft Top Link)
Quantity	0
Related Parts	9025-73-209: Rivet (4) 9995-20-412: Washer (4) NF47-R1-182: EPT Sealer (3)
Operation Number / Labor Hours:	XXM5PXRX / 0.9 Hrs.