



TEMSA

SERVICE BULLETIN

Subject: Replacement of the roof hatches' wires and clips.

Bulletin Type: Recall

Bulletin No: TS45-SR-2101

PQR No:500000006779

Rev No: 0

Ref. No: 700003906

Vehicle Model:TS45

Flat Rate Time / Code: 120 min

Date of issue: 07.07.2021

Modify Before: 07.07.2022

What to do with off coming parts:

- Scrap
- Return
- Use with additional parts
- On consignment
- No off coming parts

What to do with outstanding parts of previous revision:

- Scrap
- Return
- Use with additional parts
- On consignment
- No outstanding parts

Description of Modification:

Replacement of the roof hatches' wires and clips with new ones sent in the SB kit.

Bulletin Responsible: İsmail Kirang

Published & Approved By: Gökhan Avcılar



SAFETY INSTRUCTIONS

1. Mechanical Requested Dress Code



WARNINGS:

Dress properly to avoid personal injury and damage to the vehicle.

Always wear protective clothing.

Do not wear any worn or loose-fitting clothing. Remove jewelry before starting to work.

In case of long hair, use hairnet

The illustration on the left shows some of correct and incorrect clothing

Remove all sharp accessories before starting to work. (For example: belt, clock, neck etc.)

2. Protect Seats Before Starting



Seats, trimming, upholstery, stuff and carpeting should be protected with appropriate coverings.

3. Welding On the Chassis



- a) Always disconnected batteries (starting with negative pole)
- b) Disconnect connectors of electrical and electronic equipment (electronic control units, sensors and actuators) if they are less than 2 meters away from the chassis part to be welded or the grounding line of welding equipment.
- c) Disconnect engine and vehicle.
- d) The grounding line must never be connected to vehicle components such as engines, axles and springs. To avoid risk of damaging parts such as bearings or springs, arc formation must not be allowed on these parts
- e) Grounding line must take good contact and be placed as close as possible to part to be welded.
- f) Plastic pipes, rubber parts and parabolic springs should be well protected against welding spatter and temperatures higher than 70C
- g) Ignition key should be removed.
- h) Reconnect in reversed order of disconnecting. Ensure that a good grounding line is made between chassis, engine and cover.





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Excluded Part List

No	Part No	Part Name	Picture	Qty	Unit of Measure
1	RP229100-12Y	Old Wire		2	Pieces
2	RP229100-13Y	Old Clips		2	Pieces

Included Part List

No	Part No	Part Name	Picture	Qty	Unit of Measure
1	RP229100-12Y	Stainless wire		2	Pieces
2	RP229100-13Y	Stainless clip		4	Pieces

NOTE: Materials of Henkel terostat 8550 cleaner (p/n TM900000HY) and Henkel terostat MS 939 sealent (p/n SM-54Y) used in the 10th instruction item below must be supplied locally and added to the cost of the service bulletin.

TECHNICAL INSTRUCTIONS

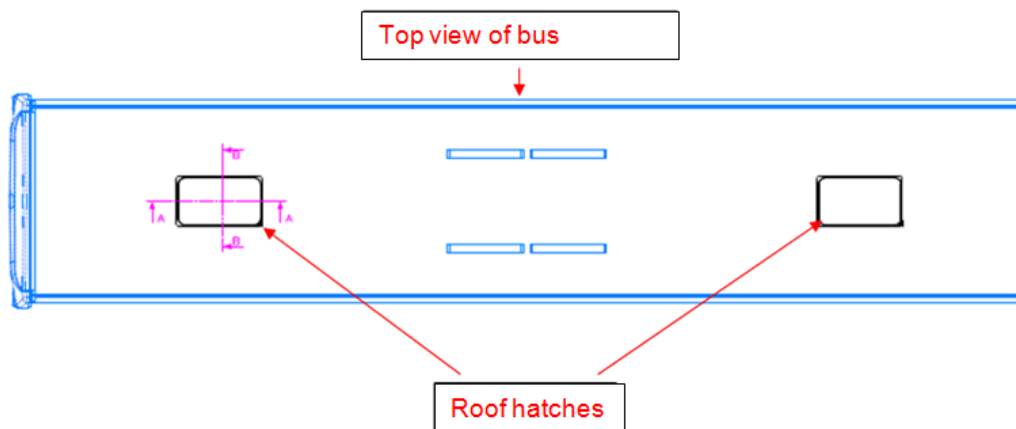
Replacement of roof hatches' wires and clips with new ones sent in the SB kit.

1. To be able to carry out service bulletin application, take the vehicle to safety area and shut off the engine and turn off battery main switch (See Figure-1)



Figure-1

2. See two roof hatches on the vehicle roof (see Figure-2)





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Figure- 2 Front and rear roof hatches.

3. Screw off the safety cover screws by using a rechargeable screwdriver with phillips bit no.2. Then remove "the roof hatch release handle" by turning it counterclockwise direction. And finally dismantle the cover (see Figure-3).

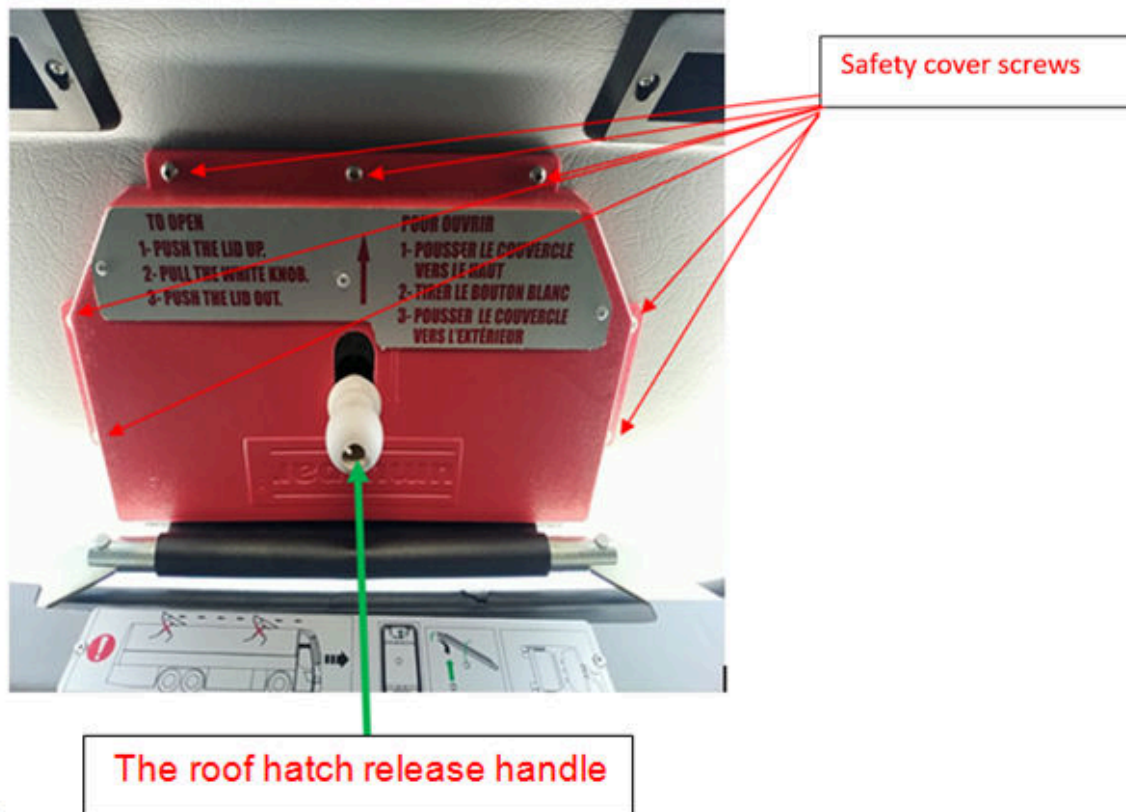


Figure -3

4. Cut the wire of the roof hatch at the point seen in Figure-4 by a flush cutter and remove the knob at the endpoint. Then pull and remove the wire.



Figure-4

5. Screw off the crosshatch handle's screws by using a rechargeable screwdriver with phillips bit no.2, then remove the handle (see Figure-5)

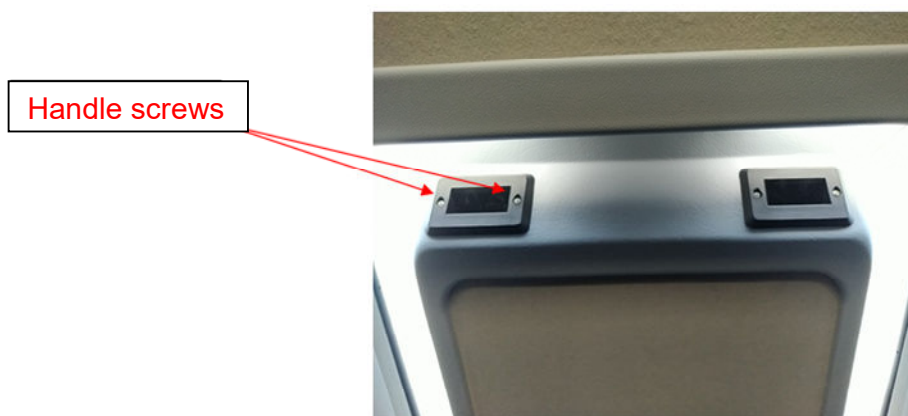
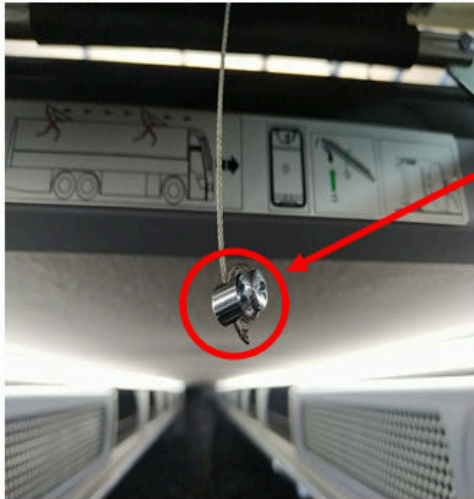


Figure-5

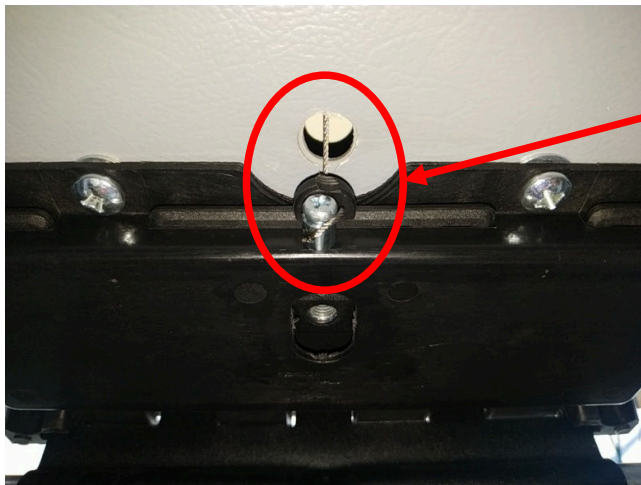
6.a) Prepare the new stainless wire by mounting the new stainless clip at its endpoint with a screwdriver tipped the bit no. 2 as seen in Figure-6a.

b) Pass the new wire with clip through the circle on the mechanism and then the hole on the plastic cover as seen in Figure-6b.



Mount the new clip to the new wire

Figure-6a



Pass the new wire with clip through the circle on the mechanism and then the hole on the plastic cover.

Figure-6b

7. Pass the wire through the inside of plastic roof hatch cover (see the dashed line in Figure 7) . Hold the wire dismantled handle's gap. Then pass through the wire the small hole on the plastic cover as seen in 3rd photo of Figure-7

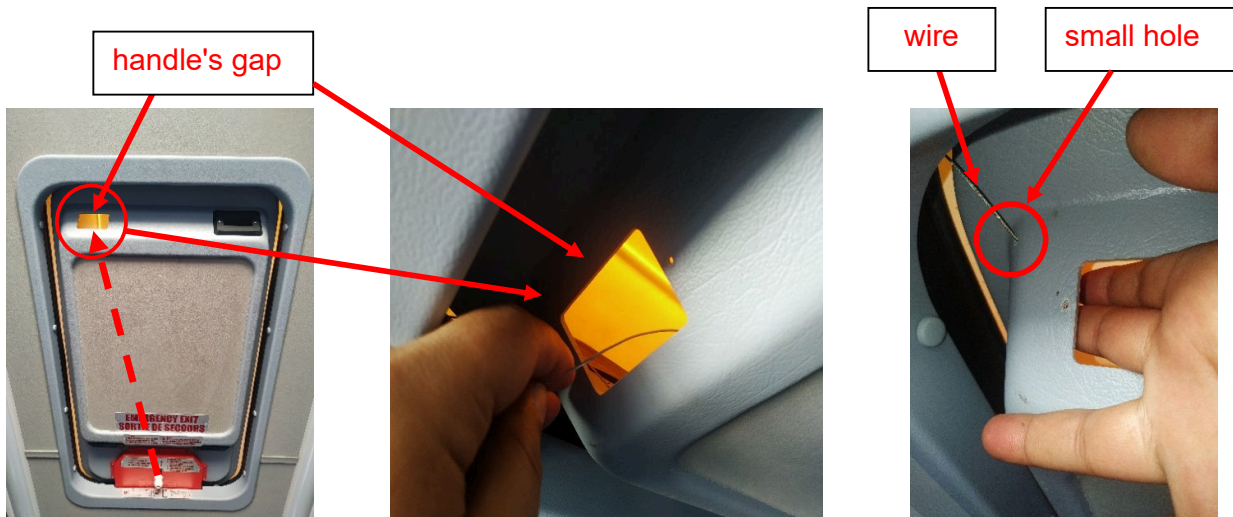


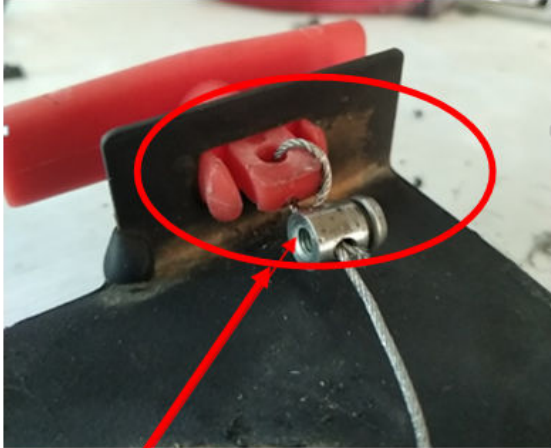
Figure-7

8. Pass the wire across the inside of the roof hatch and reeve it into the hole at the frame of the roof hatch (see Figure-8).



Figure-8

9. Get on the roof of the vehicle and take the wire going out of the frame hole and bind it to the red handle by using the new clamp (see Figure-9)



Bind the wire to the red handle with the new clip.

Figure-9

10. Clean the hole area the wire passed through in the roof hatch frame by Henkel Terostat 8550 cleaner (p/n TM900000HY) or if it can't be provided, use alcohol or another cleaner.
Then seal the the hole by using sealant of Henkel terostat ms939 (p/n SM-54Y) and sealent gun very carrefully !
This is very important to prevent the water leakage from outside into the vehicle (see Figure-10)



The hole at the frame of roof hatch



Sealing process of the frame hole after wire passed through.

Figure-10




NOTE: Materials of Henkel terostat 8550 cleaner (p/n TM900000HY) and Henkel terostat MS 939 sealent (p/n SM-54Y) used in the 10th instruction item must be supplied locally and added to the cost of the service bulletin.

11. Finally, remount the roof hatch safety cover, the release handle, and handle to their places. Apply all this replacement process for both roof hatches of a vehicle.

LABOUR RATE BREAKDOWN

Application	Time (min)
Tool and vehicle preparation	10
Replacement of the 1st roof hatch on the vehicle	50
Replacement of the 2nd roof hatch on the vehicle	50
Sealing process on the vehicle roof	10
Total	120

TOOLS

			
Rechargeable screwdriver	Star bit no. 2	Flush cutter	Sealant gun



No.	VIN	Country
1	NLTEJXU81E1000003	USA
2	NLTEJXU88F1000002	USA
3	NLTEJXM82L1000315	USA
4	NLTEJXM80L1000314	USA
5	NLTEJXM89L1000313	USA
6	NLTEJXM84L1000302	USA
7	NLTEJXM82L1000301	USA
8	NLTEJXM80L1000300	USA
9	NLTEJXM84L1000297	USA
10	NLTEJXM82L1000296	USA
11	NLTEJXM80L1000295	USA
12	NLTEJXM89L1000294	USA
13	NLTEJXM96K1000292	USA
14	NLTEJXM83K1000287	USA
15	NLTEJXM81K1000286	USA
16	NLTEJXM8XK1000285	USA
17	NLTEJXM88K1000284	USA
18	NLTEJXM86K1000283	USA
19	NLTEJXM84K1000282	USA
20	NLTEJXM82K1000281	USA
21	NLTEJXM80K1000280	USA
22	NLTEJXM84K1000279	USA
23	NLTEJXM82K1000278	USA
24	NLTEJXM80K1000277	USA
25	NLTEJXM89K1000276	USA
26	NLTEJXM87K1000275	USA
27	NLTEJXM85K1000274	USA
28	NLTEJXM83K1000273	USA
29	NLTEJXM81K1000272	USA
30	NLTEJXM8XK1000271	USA
31	NLTEJXM88K1000270	USA
32	NLTEJXM81K1000269	USA
33	NLTEJXM8XK1000268	USA
34	NLTEJXM88K1000267	USA
35	NLTEJXM86K1000266	Canada
36	NLTEJXM84K1000265	USA
37	NLTEJXM82K1000264	USA
38	NLTEJXM80K1000263	USA
39	NLTEJXM89K1000262	USA

No.	VIN	Country
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41	NLTEJXM85K1000260	USA
42	NLTEJXM89K1000259	USA
43	NLTEJXM87K1000258	USA
44	NLTEJXM85K1000257	USA
45	NLTEJXM83K1000256	USA
46	NLTEJXM81K1000255	USA
47	NLTEJXM8XK1000254	USA
48	NLTEJXM88K1000253	USA
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71	NLTEJXM87K1000230	USA
72	NLTEJXM82J1000229	USA
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74	NLTEJXM89J1000227	USA
75	NLTEJXM87J1000226	USA
76	NLTEJXM85J1000225	USA
77	NLTEJXM81K1000224	USA
78	NLTEJXM81J1000223	USA
79	NLTEJXM88K1000222	USA
80	NLTEJXM86K1000221	USA
81	NLTEJXM84K1000220	Canada
82	NLTEJXM8XJ1000219	USA
83	NLTEJXM88J1000218	USA

No.	VIN	Country
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85	NLTEJXM84J1000216	USA
86	NLTEJXM82J1000215	USA
87	NLTEJXM80J1000214	USA
88	NLTEJXM89J1000213	USA
89	NLTEJXM87J1000212	USA
90	NLTEJXM85J1000211	USA
91	NLTEJXM83J1000210	USA
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127	NLTEJXM83J1000174	USA

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130	NLTEJXM88J1000171	USA
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293	NLTEJXU89F1000008	USA
294	NLTEJXU87F1000007	USA
295	NLTEJXU85F1000006	USA
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