

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

**Bulletin Type:** Recall

**Bulletin No:**

**PQR No:**

**Rev No:**

**Ref. No:**

**Vehicle Model:**TS45

**Flat Rate Time / Code:** 120 min

**Date of issue:**

**Modify Before:**

**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




- Always disconnected batteries (starting with negative pole)
- 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.
- Disconnect engine and vehicle.
- 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
- Grounding line must take good contact and be placed as close as possible to part to be welded.
- Plastic pipes, rubber parts and parabolic springs should be well protected against welding spatter and temperatures higher than 70C
- Ignition key should be removed.
- Reconnect in reversed order of disconnecting. Ensure that a good grounding line is made between chassis, engine and cover.



## 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		4	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
3	SM-54Y	Sealent (Henkel terostat ms939 cartridge 570 ml)		0,026 cartridge or 15 ml.	

## TECHNICAL INSTRUCTIONS

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

7. 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

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

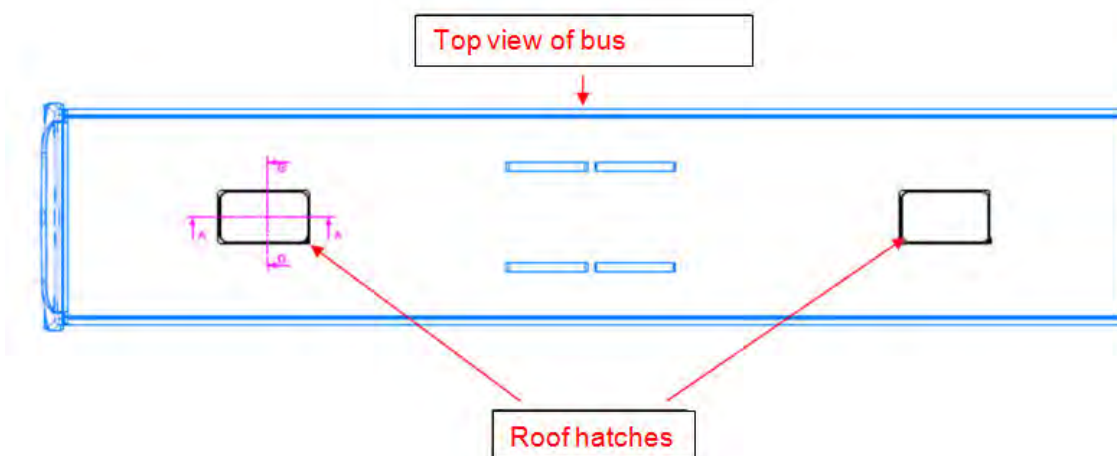




Figure- 2 Front and rear roof hatches.

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

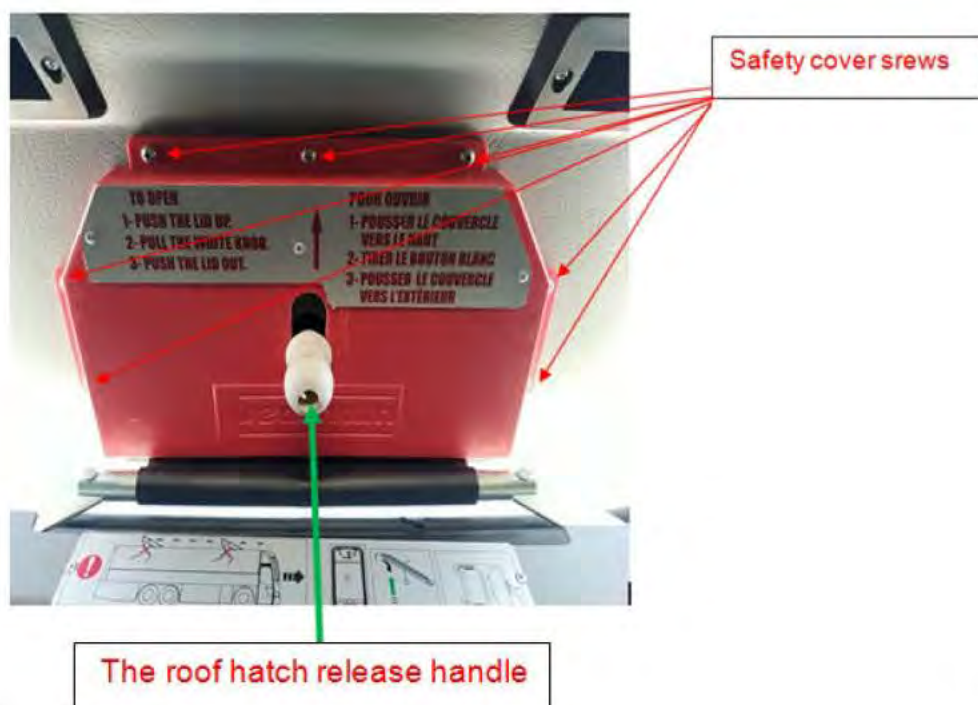


Figure -3



10. 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

11. Screw off the crosshatch handle's screws by using a chargeable drill with star bit no.2, then remove the handle (see Figure-4)

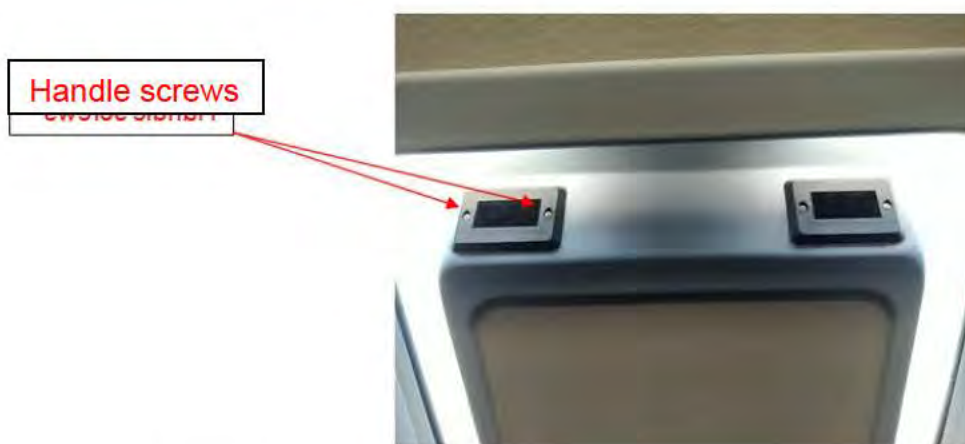


Figure-5



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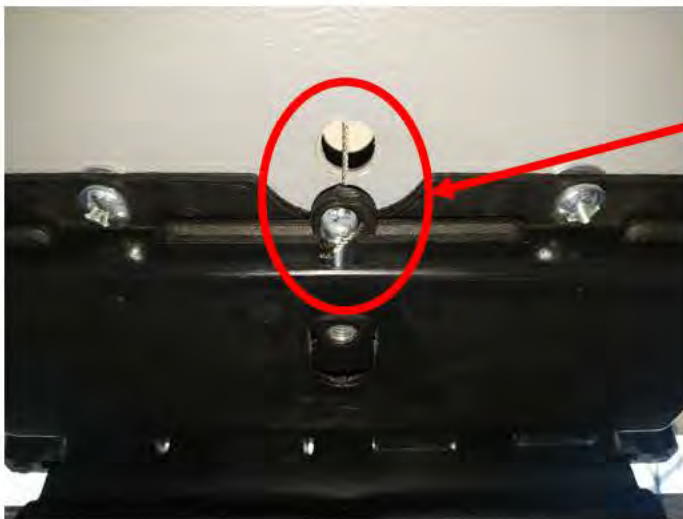
6.a) Prepare the new stainless wire by mounting the new stainless clip at its endpoint with a drill tipped the bit no. 2 as seen in Figure-6a.

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





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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

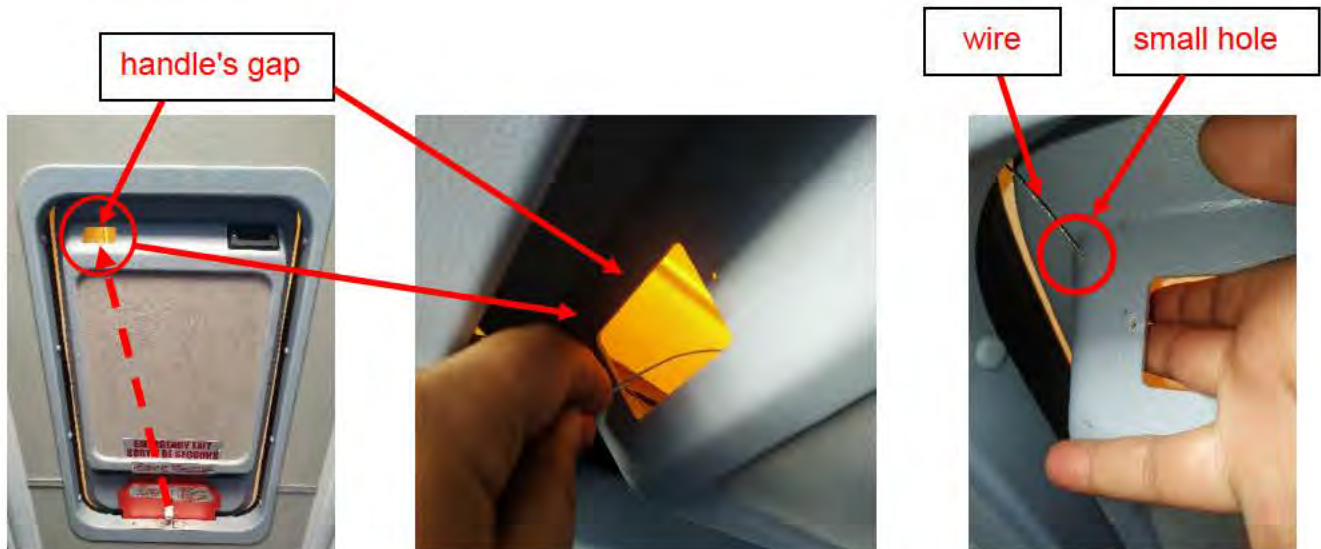


Figure-7

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).



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)





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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 alcohol or another cleaner.  
Then seal the the hole by using sealant SM-54 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

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.



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## LABOUR RATE BREAKDOWN

Application	Time (min)
Tool and vehicle preparation	10
Replacement of the 1st roof hatch on the vehicle	30
Replacement of the 2nd roof hatch on the vehicle	30
Sealing process on the vehicle roof	15
<b>Total</b>	<b>85</b>

## TOOLS

			
Chargeable drill	Star bit no. 2	Flush cutter	Sealant gun


Ladder





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No.	VIN	Country
1	NLTEJXU81E1	USA
2	NLTEJXU88F1	USA
3	NLTEJXM82L1	USA
4	NLTEJXM80L1	USA
5	NLTEJXM89L1	USA
6	NLTEJXM84L1	USA
7	NLTEJXM82L1	USA
8	NLTEJXM80L1	USA
9	NLTEJXM84L1	USA
10	NLTEJXM82L1	USA
11	NLTEJXM80L1	USA
12	NLTEJXM89L1	USA
13	NLTEJXM96K1	USA
14	NLTEJXM83K1	USA
15	NLTEJXM81K1	USA
16	NLTEJXM8XK1	USA
17	NLTEJXM88K1	USA
18	NLTEJXM86K1	USA
19	NLTEJXM84K1	USA
20	NLTEJXM82K1	USA
21	NLTEJXM80K1	USA
22	NLTEJXM84K1	USA
23	NLTEJXM82K1	USA
24	NLTEJXM80K1	USA
25	NLTEJXM89K1	USA
26	NLTEJXM87K1	USA
27	NLTEJXM85K1	USA

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No.	VIN	Country
28	NLTEJXM83K1	USA
29	NLTEJXM81K1	USA
30	NLTEJXM8XK1	USA
31	NLTEJXM88K1	USA
32	NLTEJXM81K1	USA
33	NLTEJXM8XK1	USA
34	NLTEJXM88K1	USA
35	NLTEJXM86K1	Canada
36	NLTEJXM84K1	USA
37	NLTEJXM82K1	USA
38	NLTEJXM80K1	USA
39	NLTEJXM89K1	USA
40	NLTEJXM87K1	USA
41	NLTEJXM85K1	USA
42	NLTEJXM89K1	USA
43	NLTEJXM87K1	USA
44	NLTEJXM85K1	USA
45	NLTEJXM83K1	USA
46	NLTEJXM81K1	USA
47	NLTEJXM8XK1	USA
48	NLTEJXM88K1	USA
49	NLTEJXM86K1	USA
50	NLTEJXM84K1	USA
51	NLTEJXM82K1	USA
52	NLTEJXM86K1	USA
53	NLTEJXM84K1	USA
54	NLTEJXM82K1	USA
55	NLTEJXM80K1	USA
56	NLTEJXM89K1	USA
57	NLTEJXM87K1	USA
58	NLTEJXM85K1	USA
59	NLTEJXM83K1	USA
60	NLTEJXM81K1	USA
61	NLTEJXM8XK1	USA
62	NLTEJXM83K1	USA
63	NLTEJXM81K1	USA
64	NLTEJXM81J1	USA
65	NLTEJXM8XJ1	USA
66	NLTEJXM88J1	USA
67	NLTEJXM84K1	USA
68	NLTEJXM82K1	USA
69	NLTEJXM80K1	USA
70	NLTEJXM89K1	USA
71	NLTEJXM87K1	USA



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No.	VIN	Country
72	NLTEJXM82J1	USA
73	NLTEJXM80J1	USA
74	NLTEJXM89J1	USA
75	NLTEJXM87J1	USA
76	NLTEJXM85J1	USA
77	NLTEJXM81K1	USA
78	NLTEJXM81J1	USA
79	NLTEJXM88K1	USA
80	NLTEJXM86K1	USA
81	NLTEJXM84K1	Canada
82	NLTEJXM8XJ1	USA
83	NLTEJXM88J1	USA
84	NLTEJXM86J1	USA
85	NLTEJXM84J1	USA
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89	NLTEJXM87J1	USA
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91	NLTEJXM83J1	USA
92	NLTEJXM87J1	USA
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103	NLTEJXM86J1	USA
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106	NLTEJXM80J1	USA
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108	NLTEJXM87J1	USA
109	NLTEJXM85J1	USA
110	NLTEJXM83J1	USA
111	NLTEJXM81J1	USA
112	NLTEJXM85J1	USA
113	NLTEJXM83J1	USA
114	NLTEJXM81J1	USA
115	NLTEJXM8XJ1	USA

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No.	VIN	Country
116	NLTEJXM88J1	USA
117	NLTEJXM86J1	USA
118	NLTEJXM84J1	USA
119	NLTEJXM82J1	USA
120	NLTEJXM80J1	USA
121	NLTEJXM89J1	USA
122	NLTEJXM82J1	USA
123	NLTEJXM80J1	USA
124	NLTEJXM89J1	USA
125	NLTEJXM87J1	USA
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127	NLTEJXM83J1	USA
128	NLTEJXM81J1	USA
129	NLTEJXM8XJ1	USA
130	NLTEJXM88J1	USA
131	NLTEJXY80H1	USA
132	NLTEJXY84H1	USA
133	NLTEJXY82H1	USA
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136	NLTEJXY87H1	USA
137	NLTEJXY85H1	USA
138	NLTEJXY83H1	USA
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142	NLTEJXY81H1	USA
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153	NLTEJXY89H1	USA
154	NLTEJXY85H1	USA
155	NLTEJXY83H1	USA
156	NLTEJXY81H1	USA
157	NLTEJXY8XH1	USA
158	NLTEJXY88H1	USA
159	NLTEJXY86H1	USA



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No.	VIN	Country
160	NLTEJXY84H1	USA
161	NLTEJXY82H1	USA
162	NLTEJXY86H1	USA
163	NLTEJXY84H1	USA
164	NLTEJXY82H1	USA
165	NLTEJXY80H1	USA
166	NLTEJXY89H1	USA
167	NLTEJXY87H1	USA
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169	NLTEJXY83H1	USA
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200	NLTEJXX83G1	USA
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202	NLTEJXX89G1	USA
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No.	VIN	Country
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209	NLTEJXX86G1	USA
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211	NLTEJXX82G1	USA
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245	NLTEJXU89F1	USA
246	NLTEJXU87F1	USA
247	NLTEJXU85F1	USA



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No.	VIN	Country
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290	NLTEJXU89F1	USA
291	NLTEJXU87F1	USA



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No.	VIN		Country
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293	NLTEJXU89F1		USA
294	NLTEJXU87F1		USA
295	NLTEJXU85F1		USA
296	NLTEJXU85E1		USA
297	NLTEJXU83E1		USA