

Subject: Improvement on TS45 WC Water Filling Connector Connection

Bulletin type: **FIX AS FAIL**

Bulletin Nu: **TS45-FC-2303**

PQR Nu: **500000007256**

Rev Nr: **00**

Ref. Nr: **000700004221**

Vehicle Model: TS45 EPA 21 / EPA 17

Labor time: **40 minutes**

Release date: 30.03.2023

Expiration Of Validity: 30.03.2024

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 off coming parts

Description of the modification:

This service bulletin is created to prevent water leakage that occurs in connector connections during toilet tank filling.

Liabile: Arzu Bozkurt

Confirmation & Release: Alper Tekniker

SAFETY INSTRUCTIONS

1. Mechanical Requested Dress Code



WARNING:

- 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 the correct and incorrect clothing
- ✓ Sharp edged items should be avoided in order not to scratch vehicle (i.e. belts, watches, necklace)

2. Protect Seats when Mechanic Starts Working




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

3. Welding on the Chassis


- a. Always disconnect the batteries (starting with the negative lead).
- b. Disconnect the 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 earth terminal of the welding equipment.
- c. The earth terminal should never be attached to vehicle components such as engine, axles and springs. Arcing on these parts is not permitted, because of the risk of damage to bearings, springs, etc.
- d. The earth terminal must make good contact and be placed as close as possible to the part to be welded.
- e. Plastic pipes, rubber parts and parabolic springs should be well protected against welding spatter and temperatures higher than 70°.
- f. The contact switch must not be in the accessory or contact position. The contact key should be removed.
- g. Reconnect in reversed order of disconnecting. Ensure that a good earth connection is made between chassis, engine and cab.

PARTS LIST

Outputs Parts:

No	Part No	Part Name	Picture	Qty
1	-	GALVANIZED CLAMP		2

Input Parts:

No	Part No	Part Name	Picture	Qty
1	BW301602509A	CHROME CLAMP		4

TECHNICAL INSTRUCTIONS

1- Follow the instructions below;

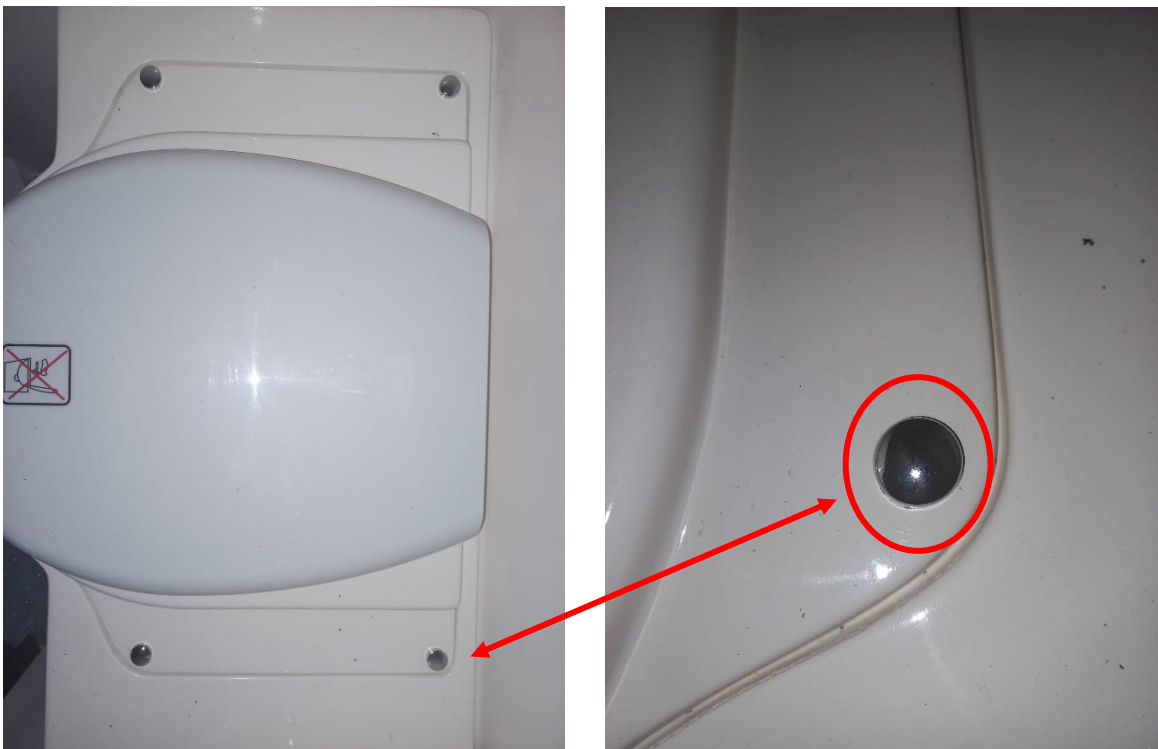
- a) Take the vehicle for service and turn off the engine.
- b) Make sure you turn off the main switch before starting the process.



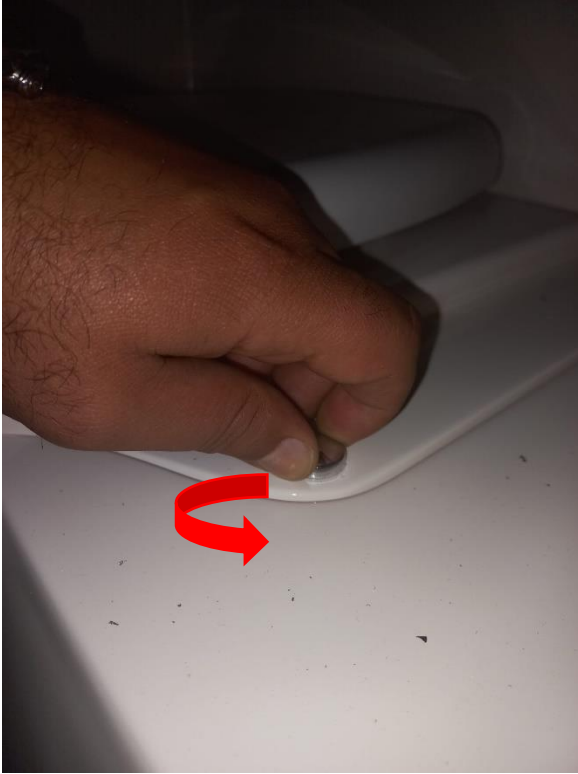
2- Please go to the WC cabin.



3- Unscrew the 4 screw covers as seen on the image.



4- Turn the 4 screws cap by hand in the direction of removal indicated by the arrow



5- Unscrew the screw caps as seen on the image.



6- Remove the 4 screws with a phillips screw driver as seen in the figure.



7- Check that all 4 screws have been removed as in the image.



8- Open the toilet seat cover.



9- Remove the toilet by hand as seen on the image.



10- Remove the toilet bowl and fix it by leaning against the wall as in the image.



11- Find the assembled galvanized clamps.



12- Remove the clamps with the torque wrench.



13- Remove the galvanized clamps on the right and left sides.



14- Take out the 2 galvanized clamps and do not use them. Use 4 chrome plated clamps instead.

Open the 4 chrome plated clamps with the Torque wrench.



15- Tighten 4 chrome plated clamps adjusted to 5.5 NM as seen on the image.





16- After your process is complete, close the toilet bowl and return it to its original position as seen on the image.



17- Put in position the toilet by hand as seen on the image.



18- Tighten the 4 screws with a phillips screw driver as seen in the figure.



19- Check that all 4 screws have been placed as in the image.



20- Turn the 4 screw caps by hand in the direction indicated by the arrow as seen on the image and place the screw caps.



21- Check that all 4 screws cap have been installed as in the image.



22- Exit the WC cabin and finish process.



TOOLS AND EQUIPMENT

- 1- PHILLIPS SCREWDRIVER
- 2- TORQUE WRENCH



AFFECTED VEHICLES LIST

NUMBER	CHASSIS LIST	COUNTRY
1	NLTEJXA94M1000329	USA
2	NLTEJXA96N1000334	USA
3	NLTEJXA99N1000330	USA
4	NLTEJXA90N1000331	USA
5	NLTEJXA92N1000332	USA
6	NLTEJXA98N1000335	USA
7	NLTEJXA9XN1000336	USA
8	NLTEJXA91N1000337	USA
9	NLTEJXA95N1000339	USA
10	NLTEJXA91N1000340	USA
11	NLTEJXA93N1000341	USA
12	NLTEJXA95N1000342	USA
13	NLTEJXA97N1000343	USA
14	NLTEJXA95P1000344	USA
15	NLTEJXA90N1000345	USA
16	NLTEJXA92N1000346	USA
17	NLTEJXA94N1000347	USA
18	NLTEJXA92P1000348	USA
19	NLTEJXA94P1000349	USA
20	NLTEJXA92P1000351	USA
21	NLTEJXA94P1000352	USA
22	NLTEJXA96P1000353	USA
23	NLTEJXA93P1000357	USA
24	NLTEJXA95P1000358	USA
25	NLTEJXA97P1000359	USA
26	NLTEJXA9XP1000355	USA
27	NLTEJXA98P1000354	USA
28	NLTEJXA91P1000356	USA
29	NLTEJXA93P1000360	USA
30	NLTEJXA95P1000361	USA
31	NLTEJXA97P1000362	USA
32	NLTEJXA99P1000363	USA
33	NLTEJXA90P1000364	USA
34	NLTEJXA92P1000365	USA
35	NLTEJXA94P1000366	USA
36	NLTEJXA96P1000367	USA
37	NLTEJXA98P1000368	USA
38	NLTEJXA9XP1000369	USA
39	NLTEJXA96P1000370	USA
40	NLTEJXA98P1000371	USA
41	NLTEJXA9XP1000372	USA

42	NLTEJXA91P1000373	USA
43	NLTEJXA93P1000374	USA
44	NLTEJXA95P1000375	USA
45	NLTEJXA97P1000376	USA
46	NLTEJXA99P1000377	USA
47	NLTEJXA90P1000378	USA
48	NLTEJXA92P1000379	USA
49	NLTEJXA99P1000380	USA
50	NLTEJXA90P1000381	USA
51	NLTEJXA92P1000382	USA
52	NLTEJXA94P1000383	USA
53	NLTEJXA96P1000384	USA
54	NLTEJXA9XP1000386	USA
55	NLTEJXA93P1000388	USA
56	NLTEJXA95P1000389	USA
57	NLTEJXA91P1000390	USA
58	NLTEJXA93P1000391	USA
59	NLTEJXA91P1000387	USA
60	NLTEJXA98P1000385	USA
61	NLTEJXA95P1000392	USA
62	NLTEJXA97P1000393	USA
63	NLTEJXA91P1000423	USA
64	NLTEJXA99P1000394	USA
65	NLTEJXA90P1000395	USA
66	NLTEJXA92P1000396	USA
67	NLTEJXA94P1000397	USA
68	NLTEJXA96P1000398	USA
69	NLTEJXA98P1000399	USA
70	NLTEJXA90P1000400	USA
71	NLTEJXA92P1000401	USA
72	NLTEJXA94P1000402	USA
73	NLTEJXM84J1000197	USA
74	NLTEJXM80J1000195	USA
75	NLTEJXY82H1000154	USA
76	NLTEJXM89K1000231	USA
77	NLTEJXY84H1000155	USA
78	NLTEJXY88H1000143	USA
79	NLTEJXY8XH1000144	USA
80	NLTEJXY81H1000145	USA
81	NLTEJXM84J1000183	USA
82	NLTEJXY81H1000162	USA
83	NLTEJXM84K1000251	USA

84	NLTEJXM88K1000267	USA
85	NLTEJXM8XJ1000236	USA
86	NLTEJXY81H1000159	USA
87	NLTEJXM80K1000263	USA
88	NLTEJXM83K1000256	USA
89	NLTEJXM88J1000185	USA
90	NLTEJXM88J1000199	USA
91	NLTEJXY82H1000168	USA
92	NLTEJXM89L1000294	USA
93	NLTEJXM85K1000260	USA
94	NLTEJXM81J1000187	USA
95	NLTEJXY83H1000163	USA
96	NLTEJXY84H1000169	USA
97	NLTEJXM82J1000229	USA
98	NLTEJXY83H1000146	USA
99	NLTEJXM89J1000227	USA
100	NLTEJXM80J1000228	USA

LABOR TIME

Application	Time
Improvement on TS45 WC Water Filling Connector Connection	40'
Total	40 Minute