

**Bulletin Type.....:** Safety Recall

**Bulletin No.....:** TS-S86

**Bulletin Name.....:** Headlight & Daytime Running  
Lights Control System Correction

**Bulletin Ref.No....:** 700002442

**NHTSA.....:**

**Release Date.....:** 02.12.2014

**Expiry Date.....:** 02.05.2015

**Vehicle Model.....:** TS45

**Flat Rate Code.....:** TSS86

**Flat Rate Time.....:** 30'

**Subject:** Headlight & Daytime Running Lights  
Control System Correction

**Summary:** This bulletin is prepared to;

1. Prevent unintended Headlight & Daytime Running Lights power off situations .
2. Wiring and Software changes are required to complete the bulletin.

**Bulletin Responsible.....:** Metin Şengüneş

**Published by & Approved by....:** Cahit Uğurses

## Welding on the Chassis

- Always disconnect the batteries (starting with the negative lead).
- Disconnect the connectors of electrical and electronic equipment (electronic control units, sensors and actuators) if they are less than 20 inches away from the chassis part to be welded or the earth terminal of the welding equipment.
- 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.
- The earth terminal must make good contact and be placed as close as possible to the part to be welded.
- Plastic pipes, rubber parts and parabolic springs should be well protected against welding spatter and temperatures higher than 70°.
- The contact switch must not be in the accessory or contact position. The contact key should be removed.
- Reconnect in reversed order of disconnecting. Ensure that a good earth connection is made between chassis, engine and cab.

# SERVICE BULLETIN

Service bulletin expiry dates differ according to service bulletin type.

## Definitions

**Release Date:** As of this date the bulletin is released and available on E-Doc. Modification parts can be ordered. The time period between the release date and the effective date may vary according to the procurement lead time.

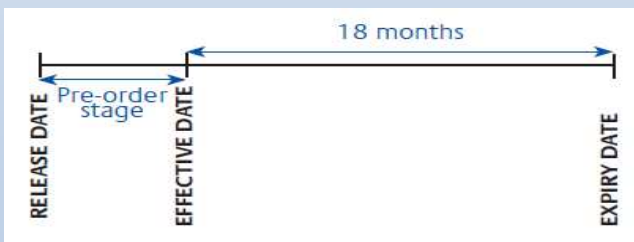
**Effective Date:** As of this date specified amount of the total modification parts will be available on Spare Parts Stock. Modification parts can be ordered and the application can be performed. ( except non-compliance and safety related campaigns, i.e. S-Type Bulletin)

**Part Order Deadline:** Last order date for modification parts. The part orders which will be placed after this date should be approved by Regional Coordinator.

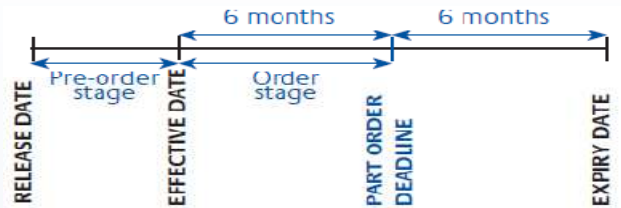
**Expiry Date:** Expiration date for the application.

## Bulletin Types

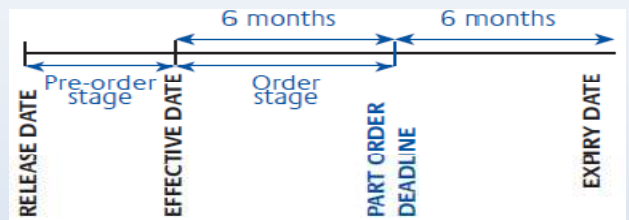
- **S-Type:** Application period of this bulletin is 18 months after the date of issue. S type bulletin is used for Recall Campaigns.



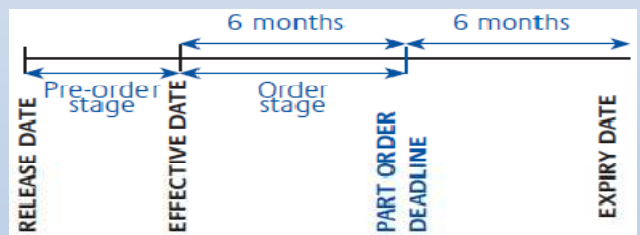
- **U-Type:** Application period of this bulletin is 12 months after the date of issue. U type bulletin is used for updates that need to be performed upon customer complaints.



- **C-Type:** Application period of this bulletin is 12 months after the date of issue. C type bulletin is generally used for supplying technical instructions or other type of information to service network.



- **M-Type:** Application period of this bulletin is 12 months after the date of issue. M type bulletin is used for updates that should be implemented without waiting for customer complaints.



# SERVICE BULLETIN

## PART LIST

### Installed Part List

No	Part No	Part Name	Picture	Qty	Unit Of Measure
1	B04-LC-020	Software Update		-	-

### Excluded Part List

No	Part No	Part Name	Qty	Unit Of Measure
-	-	-	-	-

## TECHNICAL INSTRUCTIONS

1. Disconnect the existing Headlight Connector located under the dash by the entrance steps ( Connector labeled "LED FAR" which goes to Headlights)

Figure 1



# SERVICE BULLETIN

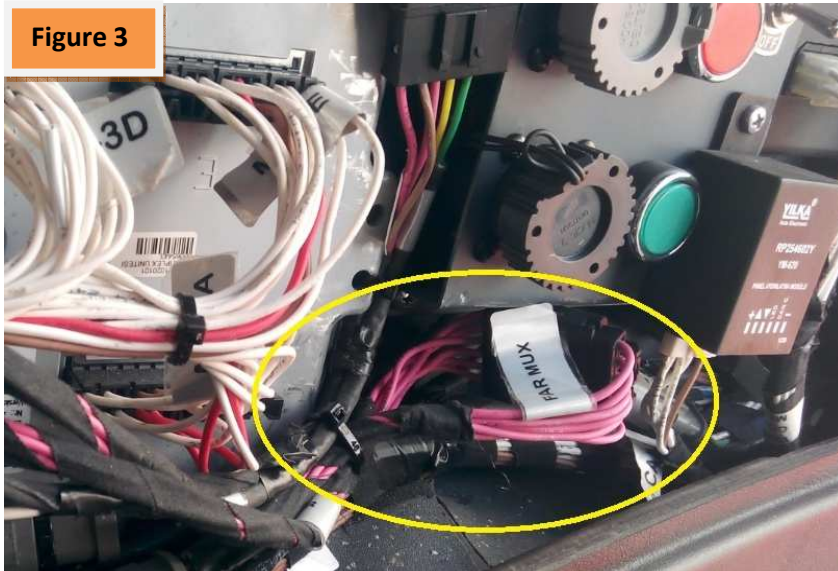
2. Connect the Connector labeled “LED FAR” to “FAR MUX” (Pink cables to Pink cables) and lay down the harness as shown in pictures. ( Connector labeled “FAR MUX” coming from 1.2 Mux unit).Now Mux unit headlight outputs connected to the headlight connector directly.

Figure 2



3. Now Headlights must function at that point when you command through headlight switches on dashboard. This is an initial check to see if any faults coming up with the existing harness installed in the vehicle (From Mux unit outputs to headlights)

Figure 3



# SERVICE BULLETIN

4. Check vehicle software by pressing right button on display 4-5 seconds . If vehicle has BS\_04\_20 software ignore step 5 , and make online test and be sure the OPTION named “INOUT\_EEPROM\_Variables\_OPTION\_LED\_Headlights\_Module\_Enable” is disabled (marked blue) .  
If vehicle does not have BS\_04\_20 then ignore step 4 and go to step 5.



**Figure 5**

ables_OPTION_Retarder_Enable	VB_EEPROM_Retarder_Enable
ables_OPTION_WC_Enable	VB_EEPROM_WC_Enable
ables_OPTION_Front_Fog_Lamp_Enable	VB_EEPROM_Front_Fog_Lamp_Enable
INOUT_EEPROM_Variables_OPTION_Emergency_Park_Brake_Release_Enable	VB_EEPROM_Emergency_Park_Brake_Release_Enable
INOUT_EEPROM_Variables_OPTION_Fog_Lamp_Disabled_by_High_Beam	VB_EEPROM_Fog_Lamp_Disable_by_HighBeam
INOUT_EEPROM_Variables_OPTION_Handicapped_Lift_Enable	VB_EEPROM_OPTION_HANDICAPPED_LIST_ENABLE
INOUT_EEPROM_Variables_OPTION_ESC_Enable	VB_EEPROM_ESC_Enable
INOUT_EEPROM_Variables_OPTION_LED_Headlights_Module_Enable	VB_EEPROM_LED_Headlights_Module_Enable
INOUT_EEPROM_Variables_OPTION_3rd_Axle_Unloading_System_Enable	VB_EEPROM_3rd_Axle_Unloading_System_Enable

Move cursor here and keep pressed “alt key” and left click to disable the option. See that line turns from blue (blue means de-activated). Then turn the ignition off and wait till system sleeps to save this change (door-top light should come off when vehicle Multiplex system sleeps)

VAR_GLOBAL	VAR_EXTERNAL	VAR_ACTION	FE_INSTANCE	Declaration	Initial value	Longname	Phys.Addr.	Attribute	Type Path	Attached Inf
				BOOL						
				BOOL						
				BOOL						
				BOOL						
				BOOL						

5. To prevent unnecessary failure codes on driver LCD screen. Load BS\_04\_20 software and then Disable the option named :  
“INOUT\_EEPROM\_Variables\_OPTION\_LED\_Headlights\_Module\_Enable” through online test. Then turn the ignition off and wait till system sleeps to save this change (door-top light should come off when vehicle Multiplex system sleeps)

# SERVICE BULLETIN

**Figure 6**

ables\_OPTION\_Retarder\_Enable  
 ables\_OPTION\_NC\_Enable  
 ables\_OPTION\_Front\_Fog\_Lamp\_Enable  
 INOUT\_EEPROM\_Variables\_OPTION\_Emergency\_Park\_Brake\_Release\_Enable  
 INOUT\_EEPROM\_Variables\_OPTION\_Fog\_Lamp\_Disabled\_by\_High\_Beam  
 INOUT\_EEPROM\_Variables\_OPTION\_Handicapped\_Lift\_Enable  
 INOUT\_EEPROM\_Variables\_OPTION\_ESC\_Enable  
 INOUT\_EEPROM\_Variables\_OPTION\_LED\_Headlights\_Module\_Enable  
 INOUT\_EEPROM\_Variables\_OPTION\_3rd\_Axle\_Unloading\_System\_Enable

VB\_EEPROM\_Retarder\_Enable  
 VB\_EEPROM\_NC\_Enable  
 VB\_EEPROM\_Front\_Fog\_Lamp\_Enable  
 VB\_EEPROM\_Emergency\_Park\_Brake\_Release\_Enable  
 VB\_EEPROM\_Fog\_Lamp\_Disable\_by\_HighBeam  
 VB\_EEPROM\_OPTION\_HANDICAPPED\_LIFT\_ENABLE  
 VB\_EEPROM\_ESC\_Enable  
 VB\_EEPROM\_LED\_Headlights\_Module\_Enable  
 VB\_EEPROM\_3rd\_Axle\_Unloading\_System\_Enable

Move cursor here and keep pressed "alt key" and left click to disable the option. See that line turns from red to blue (blue means de-activated). Then turn the ignition off and wait till system sleeps to save this change (door-top light should come off when vehicle Multiplex system sleeps)

VAR_GLOBAL	VAR_EXTERNAL	VAR_ACTION	FB_INSTANCE
Declaration	Initial value	Longname	Phys.Addr.
BOOL			
BOOL			
BOOL			
BOOL			
BOOL			

**6. Check headlights & DRLs and Driver LCD screen for any headlight failure.**

Download the software via below link. (Copy and paste this link to "Internet Explorer" tab)

[http://online.temsa.com.tr/ContentServer/ContentServer.dll?get&pVersion=0045&contRep=ZADNSP EKTEP07101&docId=90E2BA0455251EE49DE2ED6548BDBE8B&accessMode=r&compId=BS\\_04\\_20.L2 P.zip](http://online.temsa.com.tr/ContentServer/ContentServer.dll?get&pVersion=0045&contRep=ZADNSP EKTEP07101&docId=90E2BA0455251EE49DE2ED6548BDBE8B&accessMode=r&compId=BS_04_20.L2 P.zip)

## FLAT RATE BREAK DOWN

Application	Time
Preparation for tools	5'
Electrical Connection	5'
Software application	15'
Final Control	5'
<b>TOTAL</b>	<b>30'</b>

# SERVICE BULLETIN

## AFFECTED VEHICLE LIST

No	VIN	Country
1	NLTEJXU83E1000004	USA
2	NLTEJXU85E1000005	USA
3	NLTEJXU85F1000006	USA
4	NLTEJXU87F1000007	USA
5	NLTEJXU89F1000008	USA
6	NLTEJXU80F1000009	USA
7	NLTEJXU87F1000010	USA
8	NLTEJXU89F1000011	USA
9	NLTEJXU80F1000012	USA
10	NLTEJXU82F1000013	USA
11	NLTEJXU84F1000014	USA
12	NLTEJXU86F1000015	USA
13	NLTEJXU88F1000016	USA
14	NLTEJXU8XF1000017	USA
15	NLTEJXU81F1000018	USA
16	NLTEJXU83F1000019	USA
17	NLTEJXU8XF1000020	USA
18	NLTEJXU81F1000021	USA
19	NLTEJXU83F1000022	USA
20	NLTEJXU85F1000023	USA
21	NLTEJXU87F1000024	USA
22	NLTEJXU89F1000025	USA
23	NLTEJXU80F1000026	USA
24	NLTEJXU82F1000027	USA
25	NLTEJXU84F1000028	USA
26	NLTEJXU86F1000029	USA
27	NLTEJXU82F1000030	USA
28	NLTEJXU84F1000031	USA
29	NLTEJXU86F1000032	USA
30	NLTEJXU88F1000033	USA
31	NLTEJXU8XF1000034	USA
32	NLTEJXU81F1000035	USA
33	NLTEJXU83F1000036	USA
34	NLTEJXU85F1000037	USA
35	NLTEJXU87F1000038	USA
36	NLTEJXU89F1000039	USA
37	NLTEJXU85F1000040	USA
38	NLTEJXU87F1000041	USA