

Value in motion

**SB-10053163-9267**



**TEMSA**

# SERVICE BULLETIN

## TS-M16



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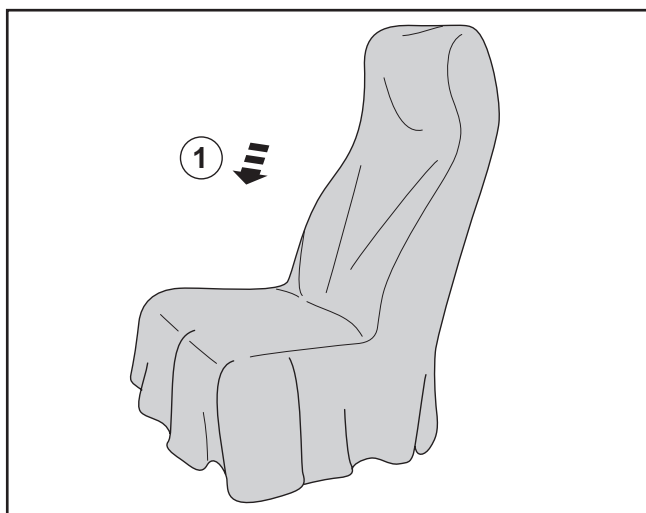
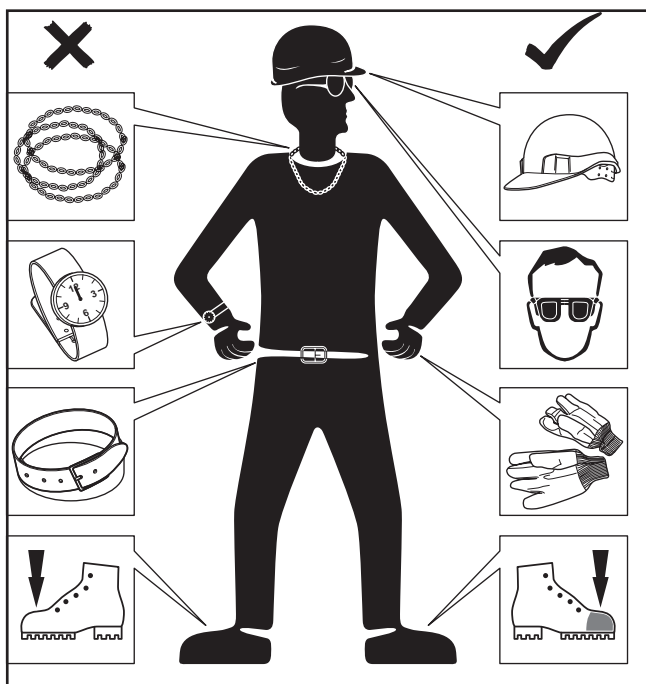
# 00 Foreword

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## 1. General Precautions

Please read the rules in this Section carefully; to avoid the risk of death, injury or property damage. Qualified and trained technicians should use The Service Bulletin. Making repairs or service without the adequate training and using inappropriate tools and equipment may cause injury and could damage the bus. Some of the procedures require specific tools designed for specific purposes, so use the tools mentioned in the manual when necessary.

Bus service and repair must be done correctly following the instructions to ensure the safety of the service technician and correct function of the bus. If a part must be replaced, the same part number or an equivalent part should be used. Pay great attention to use a replacement part of good quality.



## 2. Symbol List

Operating Instructions in this bulletin includes the following symbols, warning words and signs:



**CAUTION**

This symbol is used in conditions which may cause damage or injury if necessary measures are not taken.



**WARNING**

This symbol is used in conditions which may cause severe damage or fatal injury if necessary measures are not taken.



**DANGER**

This symbol is used to indicate danger.



**VISUAL INSPECTION**

This symbol is used to inform the user that a visual inspection is necessary.

## 3. Before Start of Work

### 3.1. Mechanical Requested Dress Code

Always wear protective clothing. Do not wear any damaged or loose-fitting clothing and remove jewelry before starting the work. In case of long hair use hairnet. The illustration below shows some of the correct or incorrect clothing that should be worn during work.

Sharp edges should be avoided e.g belts, watches, necklaces to prevent catching the vehicle.



**WARNING**

Dress correctly to avoid injury and damage to the vehicle.

### 3.2. Protect Seats When Mechanics Start Working

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

**NOTE**

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.

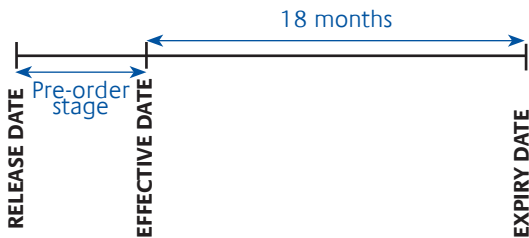
**Effective Date:** As of this date specified amount of the total modification parts will be available on Spare Parts Stock. Modification parts can be ordered and the application can be performed. (except non-compliance and safety related campaigns, i.e. S-Type Bulletin)

**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.

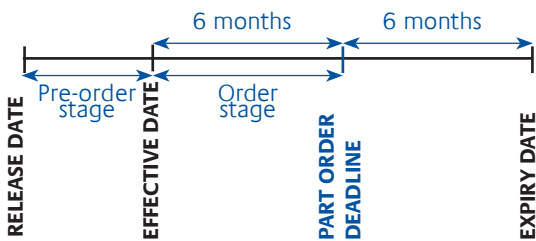
**Expiry Date:** Expiration date for the application.

**Bulletin Types**

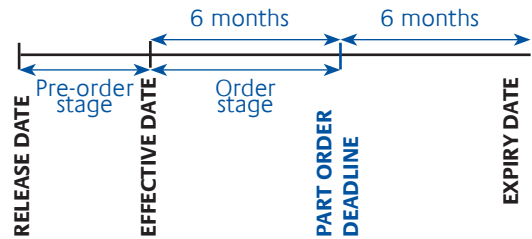
- **S-Type:** Application period of this bulletin is 18 months after the date of issue.



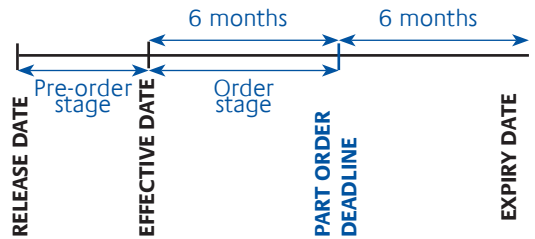
- **U-Type :** Application period of this bulletin is 12 months after the date of issue.



- **C-Type:** Application period of this bulletin is 12 months after the date of issue.



- **M-Type:** Application period of this bulletin is 12 months after the date of issue.



**IMPORTANT**

For reimbursement, all costs of modification should be claimed within 1 month from the application date.

# 01 Bulletin Information

**Bulletin Type** ..... Field Fix  
**Bulletin No** ..... TS-M16  
**Bulletin Reference No** ..... 700002020  
**Rev No** ..... 00  
**Release Date** ..... 08.07.2013  
**Effective Date** ..... 08.07.2013  
**Expiry Date** ..... 08.07.2014  
**Vehicle Model** ..... TS 30  
**Flat Rate Code** ..... TS-M16  
**Flat Rate Time** ..... 90 Minutes.



## CAUTION

After service bulletin application, send your claim over CATS V2 within application period. Refer to "How to Claim over CATS" page for further information.

### SUBJECT

Fire extinguisher detection tube (sensor) route update

### SUMMARY

Fire extinguisher detection tube route has been updated.

**Prepared by** ..... Erol Yıldırım  
**Approved by** ..... Osman Dündar  
**Published by** ..... Beytullah Onat

### Distribution to:



Dealer/Retailer



TEMSA After Sales Team



Authorised Service Centre



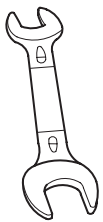
# 02 Tools

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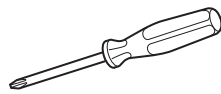
## 1. General

- If work is performed by people who do not have the necessary training to carry out the work or if this information is handled carelessly or totally ignored, this may result in severe injury and/or death. In addition, serious damage to the vehicle may occur.
- Always read the safety instructions in full before starting certain operations. The safety instructions stipulate which aspects must be considered to achieve maximum safety. The information is given that is very important for health and safety.
- Always work in adequately ventilated rooms with sufficient lighting, free from dirt and clutter. Never leave tools or parts lying around, keep away from (high-) voltage sources that present a risk of short-circuiting. Always wear protective clothing. Do not wear any damaged or loose-fitting clothing and remove jewelry before starting the work. In case of long hair use hairnet.
- Tool list below is a recommended list. It is not a must to use the exact same tools.

## 2. Tools (Recommended)



Open wrench double ended



Screwdriver

## 03 Parts List

### Installed Part List

	Part No	Part Name	RC	Qty.	Unit
1	9626-30	EXTINGUISHER SYSTEM FITTINGS		1	UNIT
2	9624-07-1	EXTINGUISHER SYSTEM HOSE,200005		0,2	UNIT
3	TM254174Y	HOSE, SPIRAL D=7 MM PA6 SIY/GRI		1,5	M
4	TC398915Y	BAND CABLE		5	UNIT



## 04 Technical Instructions



Photo 1

1. Deactivate the suppression system by slowly rotating the valve clockwise, located on the head of the cylinder.

Valve

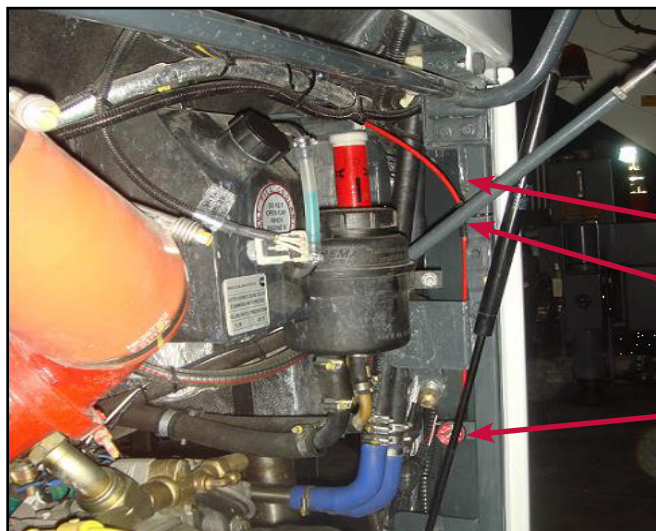


Photo 2

2. Take out the pressure gauge, which is attached to the end of the detection tube line (shown in below picture). Discharge the nitrogen in the tubing completely.

Spiral Hose  
TM254174Y

Detection Tube  
9624-07-1

Pressure Gauge

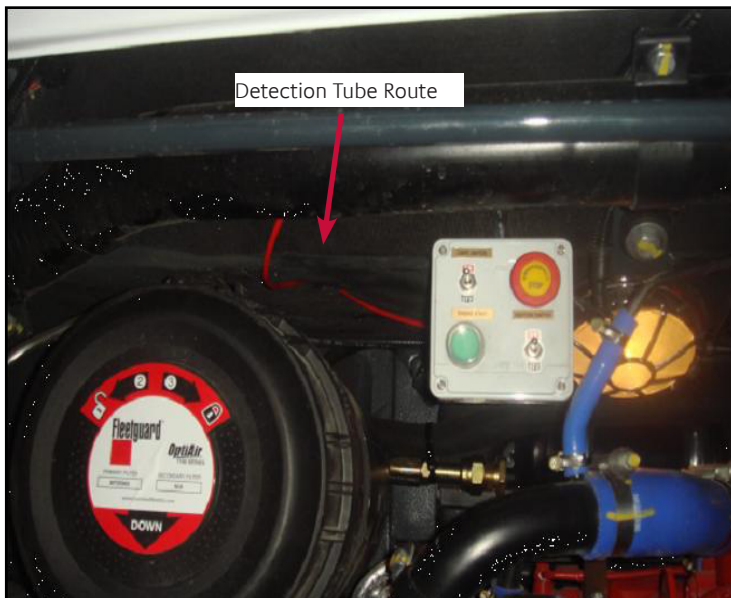


Photo 3

3. First, pull the detection tube to air filter side, and then pull it to exhaust room, in order to get enough length to cover exhaust region. The length, which will cover the exhaust area, would be around 1.5m. So, there will be a need to an extra 1.5m long detection tube, to do an addition.



Photo 4

4. In the exhaust room, mount the detection tube to the isolation nail and pipe bracket by using cable clips and protective hose, as seen in below pictures.

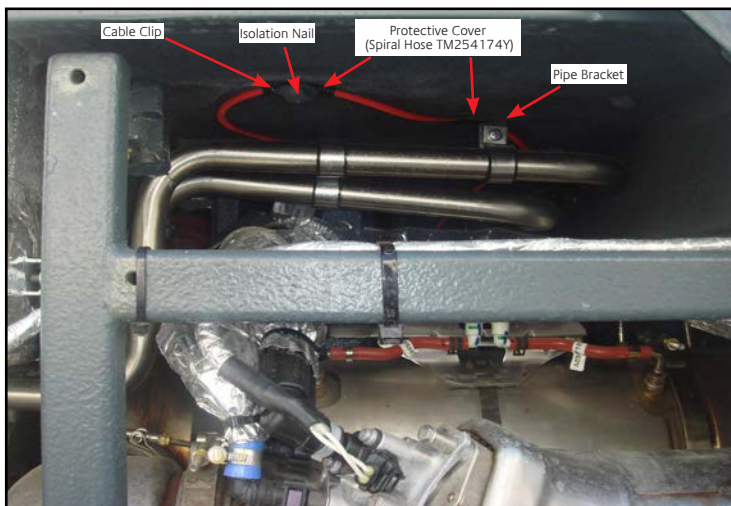


Photo 5

5. In the exhaust room, mount the detection tube to the isolation nail and pipe bracket by using cable clips and protective hose, as seen in below pictures.

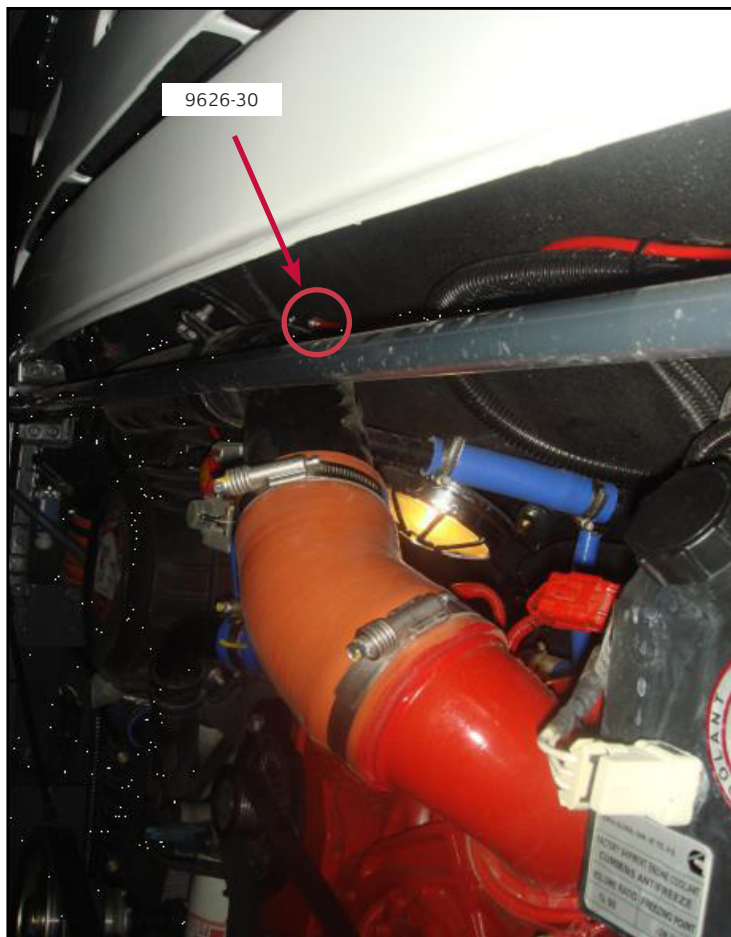


Photo 6

5. Lastly, an addition will be added to the end point of the detection tube, in order to lengthen it back to the pressure gauge. Mount the detection tubes from the both sides of the included 9626-30 fitting. Detection tube must be pushed into the 9626-30 fitting, until the "click" sound is heard.

6. Assemble the pressure gauge back, and pressurize the detection tube to 13.5 bar value with nitrogen. Wait 1 hour to observe a possible leakage. If there is no leakage, activate the system by turning the valve slowly, which is located on the head of the cylinder.



Photo 7

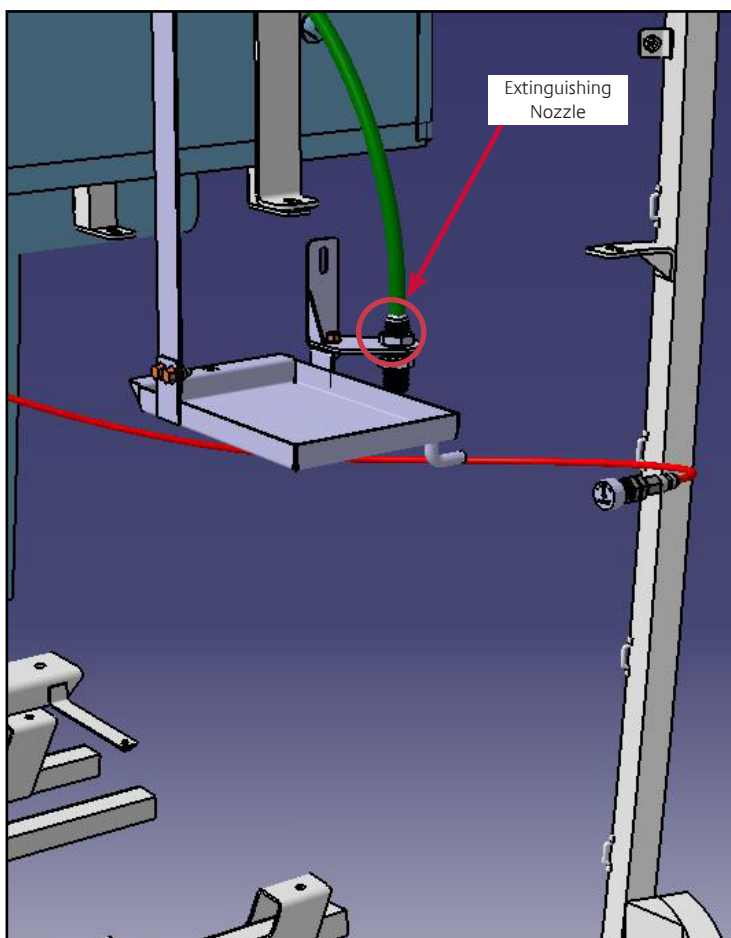


Photo 8

## 05 Flat Rate Break Down

APPLICATION	TIME	
	hour	min.
Step 1: Disassembly of excluded parts.		45
Step 2: Assembly of included parts.		45
Total Flat Rate:		90 min.

## 06 Affected Vehicle List

	VIN.	COUNTRY
1	NLTAPLR50D1000013	USA
2	NLTAPLR50D1000027	USA
3	NLTAPLR51D1000005	USA
4	NLTAPLR51D1000019	USA
5	NLTAPLR51D1000022	USA
6	NLTAPLR52D1000014	USA
7	NLTAPLR52D1000028	USA
8	NLTAPLR53D1000006	USA
9	NLTAPLR53D1000023	USA
10	NLTAPLR54D1000015	USA
11	NLTAPLR54D1000029	USA
12	NLTAPLR55D1000007	USA
13	NLTAPLR55D1000010	USA
14	NLTAPLR55D1000024	USA
15	NLTAPLR56C1000001	USA
16	NLTAPLR56D1000016	USA
17	NLTAPLR57D1000008	USA
18	NLTAPLR57D1000011	USA
19	NLTAPLR57D1000025	USA
20	NLTAPLR58C1000002	USA
21	NLTAPLR58D1000017	USA
22	NLTAPLR58D1000020	USA
23	NLTAPLR59D1000009	USA
24	NLTAPLR59D1000012	USA
25	NLTAPLR59D1000026	USA
26	NLTAPLR5XD1000004	USA

	VIN.	COUNTRY
27	NLTAPLR5XD1000018	USA
28	NLTAPLR5XD1000021	USA



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Stamp

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