

Value in motion



SB-10056006-2955

TEMSA

SERVICE BULLETIN

TS-M61



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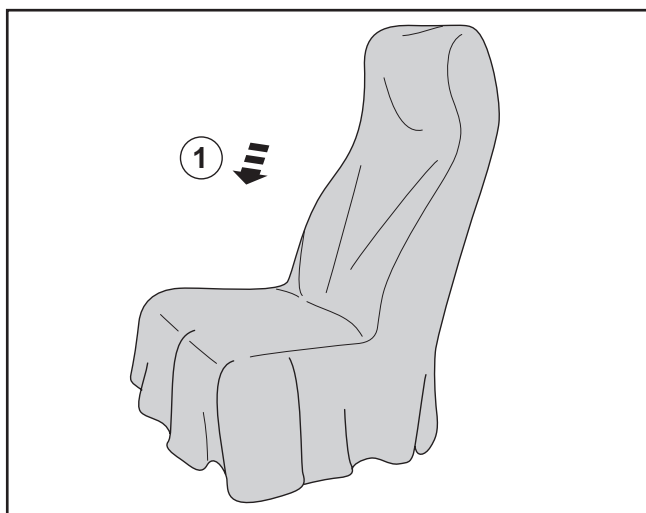
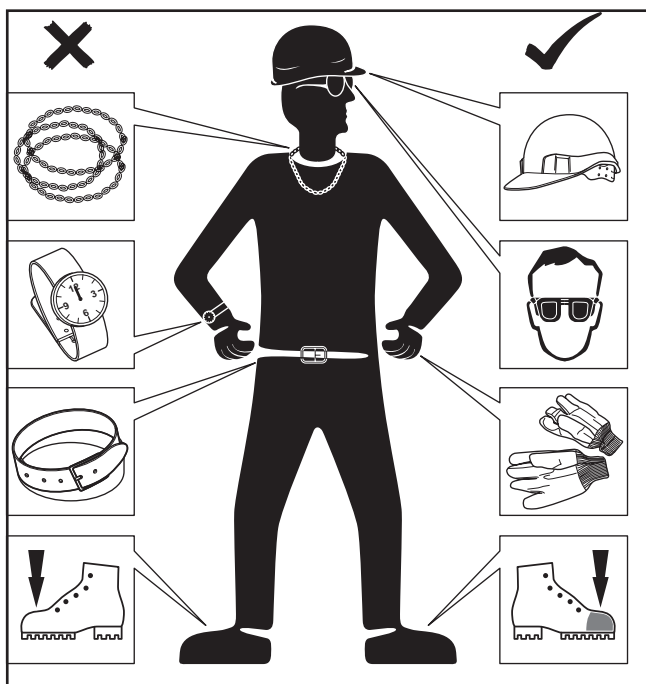
00 Foreword

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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 on 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.

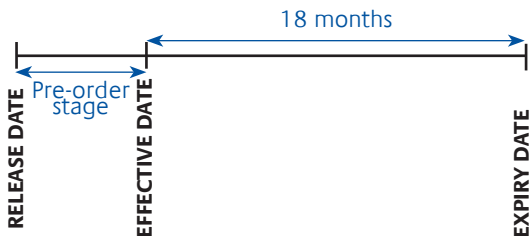
Effective Date: As of this date specified amount of the total modification parts will be available on Spare Parts Stock. Modification parts can be ordered and the application can be performed. (except non-compliance and safety related campaigns, i.e. S-Type Bulletin)

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.

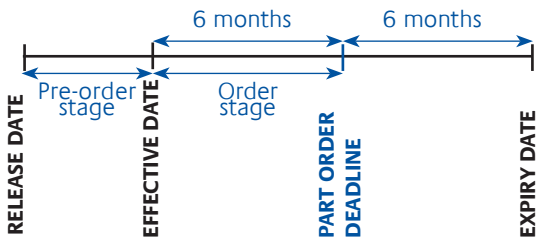
Expiry Date: Expiration date for the application.

Bulletin Types

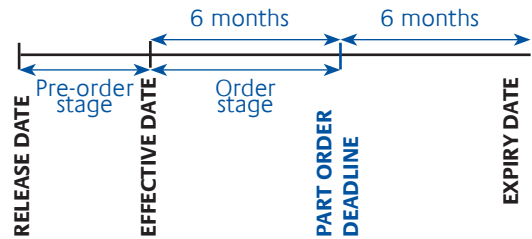
- **S-Type:** Application period of this bulletin is 18 months after the date of issue. S type bulletin is used for Recall Campaigns.



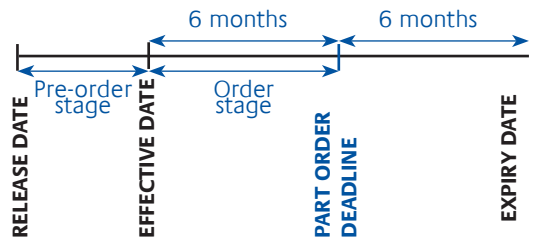
- **U-Type :** Application period of this bulletin is 12 months after the date of issue. U type bulletin is used for updates that need to be performed upon customer complaints.



- **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.



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-M61
Bulletin Reference No 700002296
Rev No 00
Release Date..... 09.04.2014
Expiry Date..... 09.04.2015
Vehicle Model TS 35
Flat Rate Code TS-M61
Flat Rate Time.....40 Min.

SUBJECT

Hydraulic Hose replacement.

SUMMARY

This bulletin explains the steps of replacement of hydraulic hose in TS35 buses.

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Distribution to:



Dealer/Retailer



TEMSA After Sales Team



Authorised Service Centre



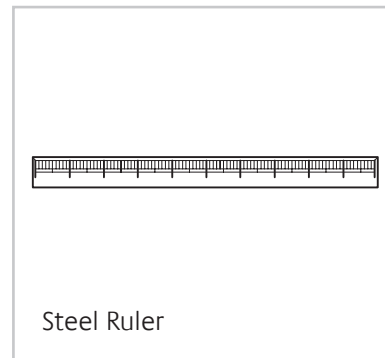
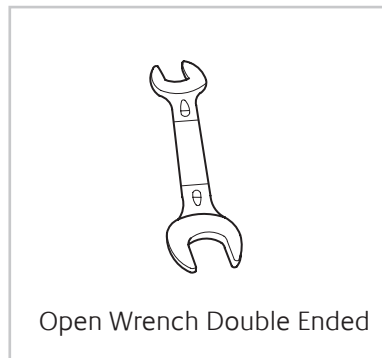
02 Tools

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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)



03 Parts List

Installed Part List

	Part No	Part Name	Qty.	Unit
1	9617-43	CLAMP(01370038021, 16-27MM)	4	PC
2	9617-44	CLAMP(01370038026, 20-32MM)	4	PC
3	9630-18Y	STEERING SYS. HOSE Ø15	0,321	METER
4	9630-19Y	STEERING SYS. HOSE Ø22	0.23	METER

Excluded Parts List

	Part No	Part Name	Qty.	Unit
1	9617-27	CLAMP(TORRO 16-27/9 C7 W3 WF)	4	PC
2	9617-28	CLAMP(TORRO 20-32/9 C7 W3 WF)	4	PC
3	TH362016Y	HYDRAULIC HOSE R6 5/8" TS6388 EN854	0,321	METER
4	TH362022Y	HYDRAULIC HOSE R6 22MM TS6388 EN854	0,23	METERW

04 Technical Instructions

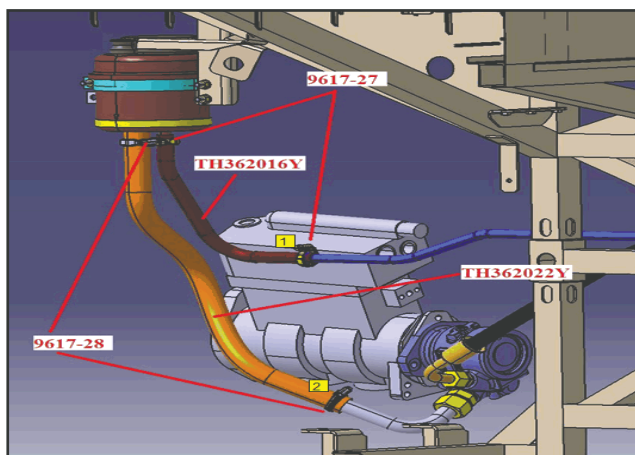


Photo 1

1. Open the engine lid.
2. Open the filling cap of the oil tank. Loosen the old lowest clamps (1st. and 2nd.) and drain the hydraulic oil.
3. Loosen all of the old clamps (9617-27 and 9617-28) and dismount the hydraulic hoses (TH362016Y and TH362022Y).

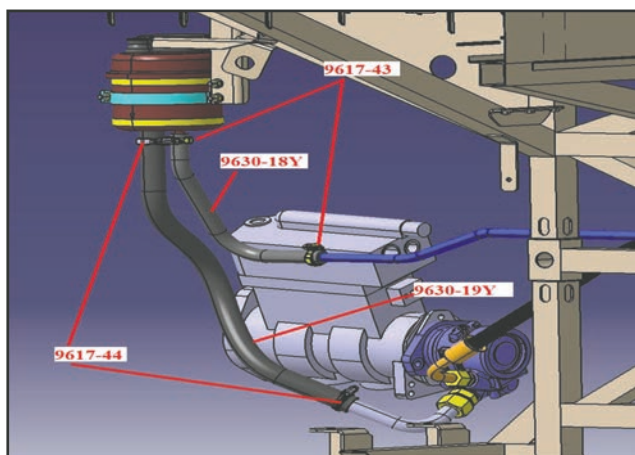


Photo 2

4. Mount the new hydraulic hoses (9630-18Y and 9630-19Y) and tighten the new clamps (9617-43 and 9617-44) with a torque of 6 Nm .
5. Refill the oil tank with hydraulic oil drained in 2nd step. Close the oil filling cap and the engine hood.

05 Flat Rate Break Down

APPLICATION	TIME	
	hour	min.
Step 1: Preparation for tools.		5
Step 2: Loosening the old lowest clamps and draining the hydraulic oil.		10
Step 3: Loosening all of the old clamps and dismounting the old hydraulic hoses.		10
Step 4: Mounting the new hydraulic hoses and tightening the new clamps.		10
Step 5: Refilling the oil tank. Closing the oil filling cap.		5
Total Flat Rate:		40 min.

06 Affected Vehicle List

	VIN.	COUNTRY
1	NLTAPLU50E1000098	USA
2	NLTRPPR70C1000006	USA
3	NLTRPPR70C1000023	USA
4	NLTRPPR70C1000037	USA
5	NLTRPPR70C1000040	USA
6	NLTRPPR70C1000054	USA
7	NLTRPPR70C1000068	USA
8	NLTRPPR70C1000071	USA
9	NLTRPPR70D1000086	USA
10	NLTRPPR70D1000105	USA
11	NLTRPPR70D1000119	USA
12	NLTRPPR70D1000122	USA
13	NLTRPPR70D1000136	USA
14	NLTRPPR70D1000153	USA
15	NLTRPPR70D1000167	USA
16	NLTRPPR70D1000170	USA
17	NLTRPPR71C1000001	USA
18	NLTRPPR71C1000015	USA
19	NLTRPPR71C1000029	USA
20	NLTRPPR71C1000032	USA
21	NLTRPPR71C1000063	USA
22	NLTRPPR71C1000077	USA
23	NLTRPPR71C1000080	USA
24	NLTRPPR71C1000094	USA
25	NLTRPPR71D1000100	USA
26	NLTRPPR71D1000114	USA
27	NLTRPPR71D1000128	USA
28	NLTRPPR71D1000131	USA

	VIN.	COUNTRY
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38	NLTRPPR72C1000072	USA
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41	NLTRPPR72D1000106	USA
42	NLTRPPR72D1000123	USA
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44	NLTRPPR72D1000140	USA
45	NLTRPPR72D1000154	USA
46	NLTRPPR72D1000168	USA
47	NLTRPPR72D1000171	USA
48	NLTRPPR73B1000001	USA
49	NLTRPPR73C1000002	USA
50	NLTRPPR73C1000016	USA
51	NLTRPPR73C1000033	USA
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55	NLTRPPR73C1000095	USA
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	VIN.	COUNTRY
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67	NLTRPPR74C1000056	USA
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245	NLTRPPU7XE1000248	USA
246	NLTRPPU7XE1000251	USA



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