

Value in motion



SERVICE BULLETIN

TS-S19



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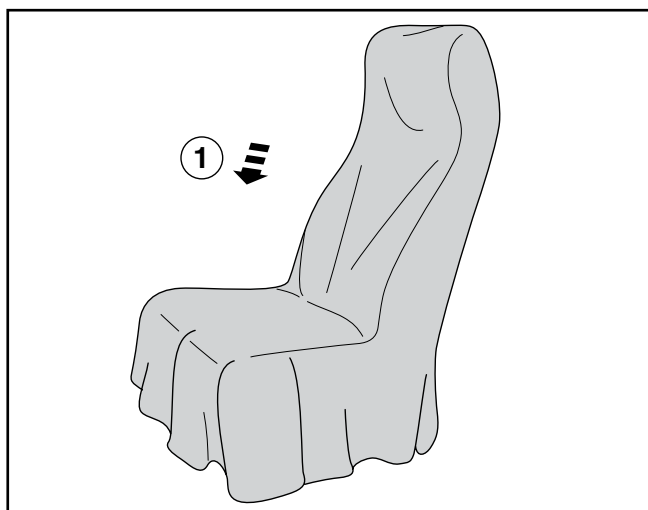
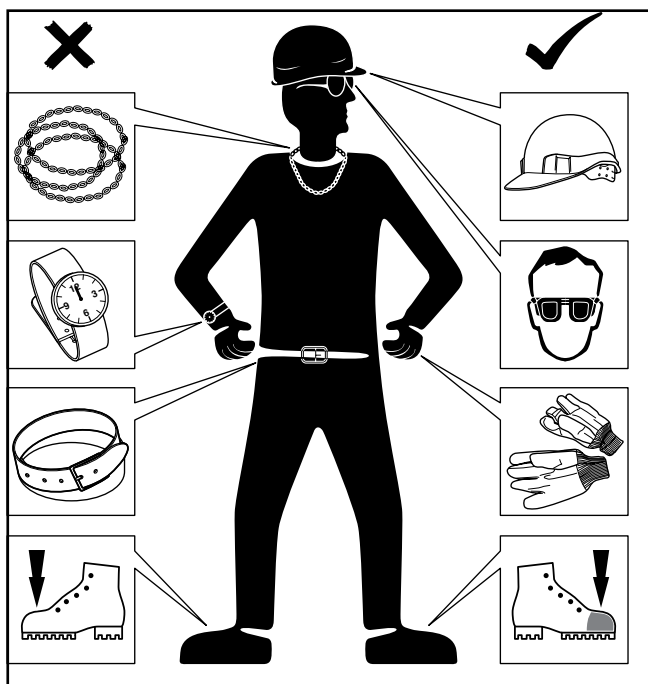
00 Foreword

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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.

01 Bulletin Information

Bulletin Type Service Campaign
Bulletin No TS-S19
Bulletin Reference No 700002063
Rev No 00
Release Date 08.02.2013
Expiry Date 08.10.2013
Vehicle Model TS 30
Flat Rate Code TS-S19
Flat Rate Time 120 Minutes.

SUBJECT

Front Brake Performance

SUMMARY

Longer brake hoses will be installed in order to prevent air leak reducing the braking force of the front brake system

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Approved by Osman Dündar
Published by Beytullah Onat

Distribution to:



Dealer/Retailer



TEMSA After Sales Team



Authorised Service Centre



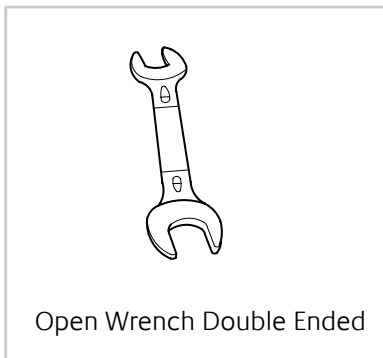
02 Tools

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1. General


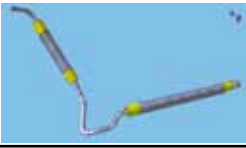


- If work is performed by people who do not have the necessary training to carry out the work or if this information is handled carelessly or totally ignored, this may result in severe injury and/or death. In addition, serious damage to the vehicle may occur.
- Always read the safety instructions in 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)


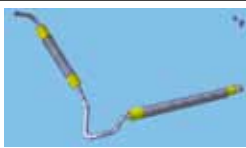




03 Parts List

Installed Part List

	Part No	Part Name	Qty.	Unit.	
1	TC298114	CONNECTOR	1	PCS	
2	RP306126Y	HOSE, FRONT WHEEL BRAKE (RIGHT)	1	PCS	
3	RP306127Y	HOSE, FRONT WHEEL BRAKE (LEFT)	1	PCS	
4	TC298104	CONNECTOR	1	PCS	

Excluded Part List

	Part No	Part Name	Qty.	Unit.	
1	TC298114	CONNECTOR	1	PCS	
2	RP306107Y	HOSE, FRONT WHEEL BRAKE (RIGHT)	1	PCS	
3	RP306108Y	HOSE, FRONT WHEEL BRAKE (LEFT)	1	PCS	
4	TC298104	CONNECTOR	1	PCS	

04 Technical Instructions



Fig. 1

1. Park the vehicle on flat position.

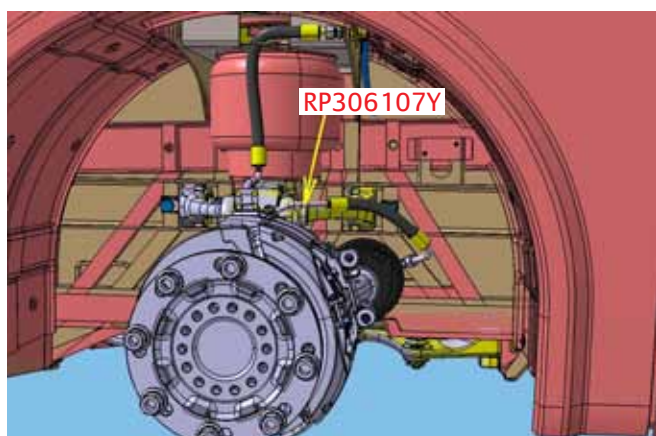


Fig. 2

2. The right tire brake hose (RP306107Y) is shown in Fig 2.

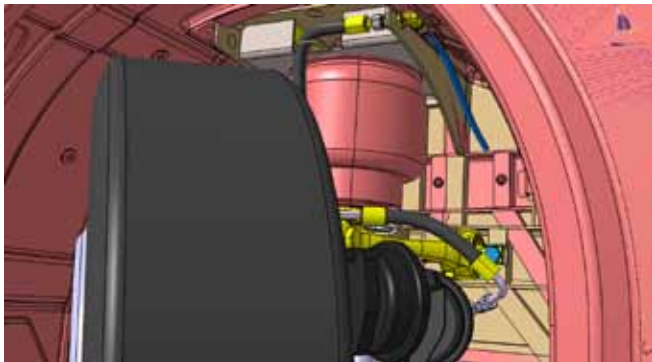


Fig. 3

3. Right tire hose will be removed from vehicle by disconnecting it from 3 connection points as shown in Fig. 8.

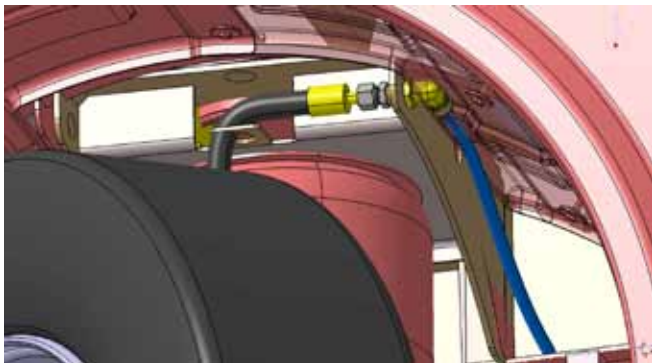


Fig. 4

4.1 Turn the steering wheel to right completely and disconnect the front right tire hose from chassis and air bellow connections.



Fig. 5

4.2 Turn the steering wheel completely to left and remove the hose from axle bracket connection.

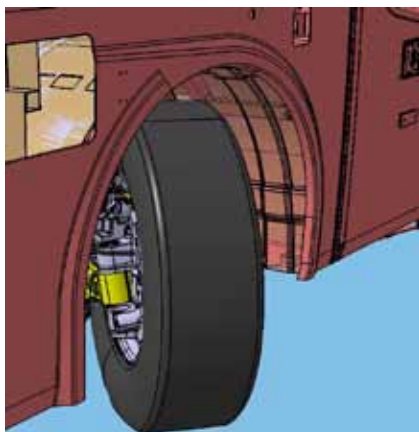


Fig. 6

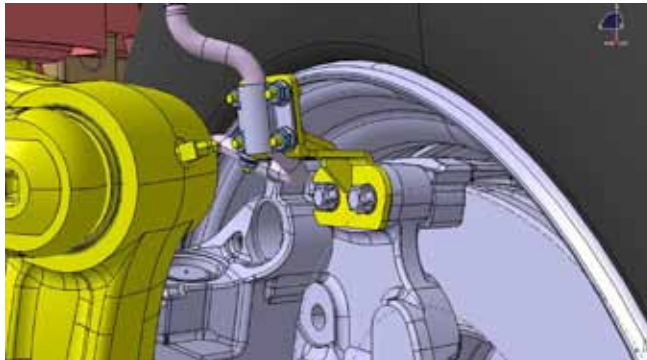


Fig. 7

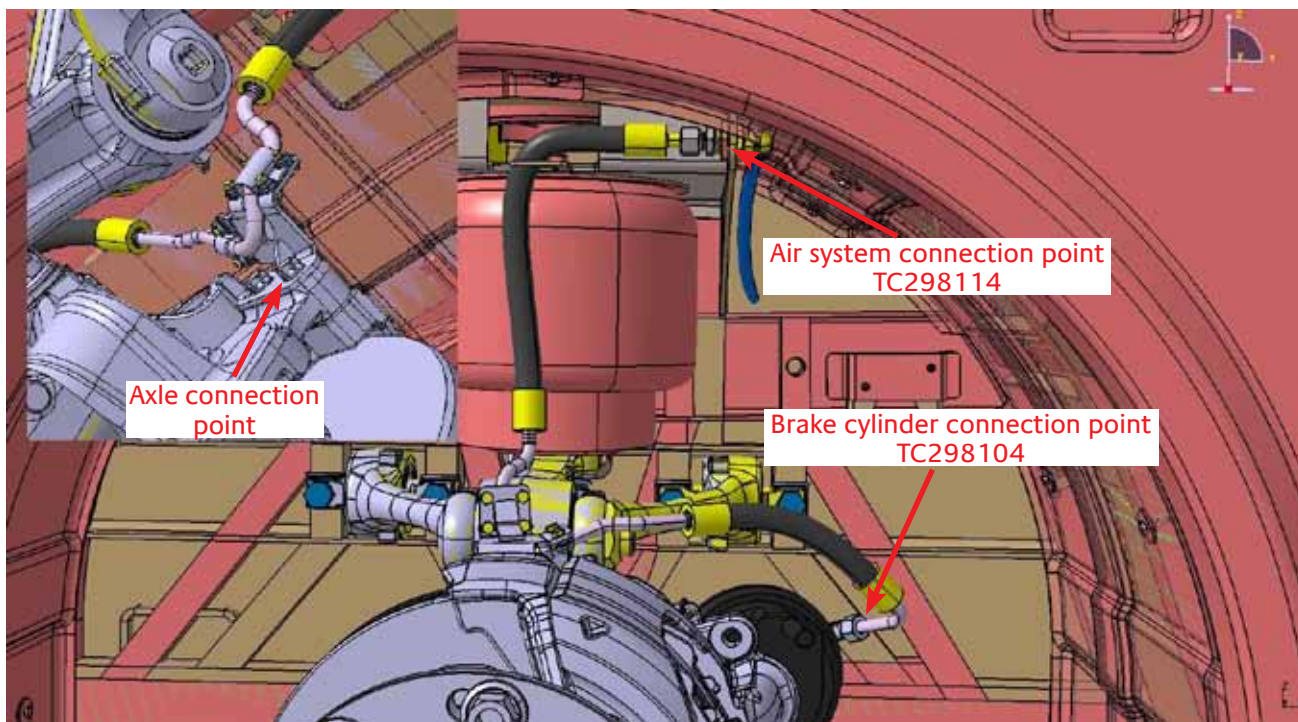


Fig. 8

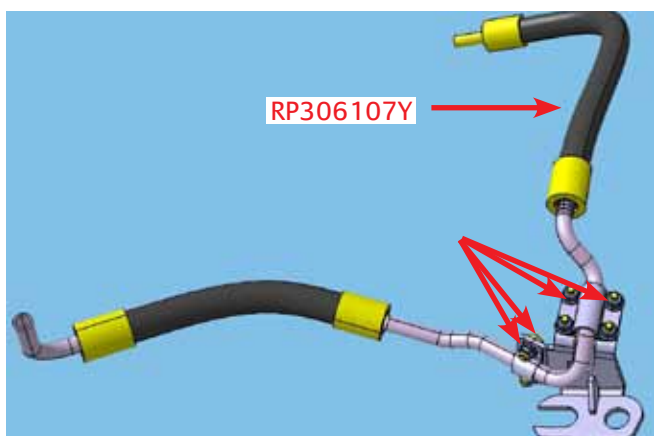


Fig. 9

5. Remove the hose from its bracket by removing the bolts and clamp.

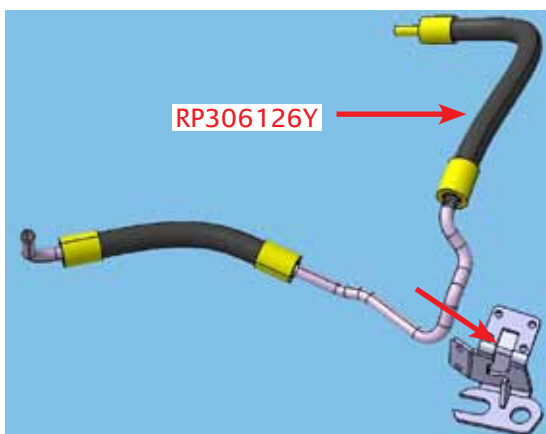


Fig. 10

6. Then install the new brake hose (RP306126) to bracket.

NOTE

Connector tightening torque: 35 Nm

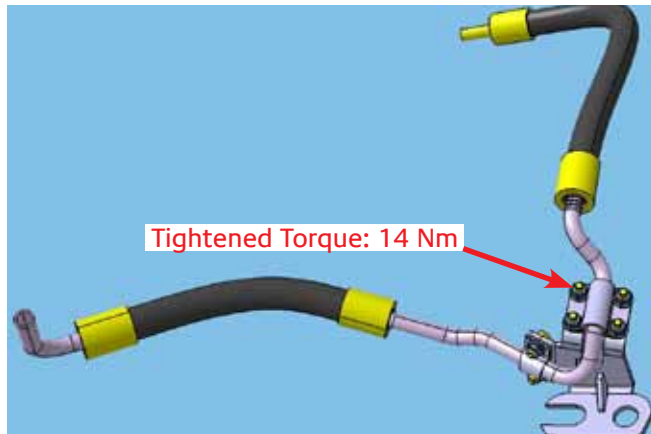


Fig. 11

7. Fix the clamp and tighten the bolts with 14Nm.

8. Install the brake hose assembly back from its 3 connection points

9. Apply exactly the same procedure for left tire brake hose as it is explained through out the steps from 1 to 8. RP306127 numbered brake hose will be used for left tire.

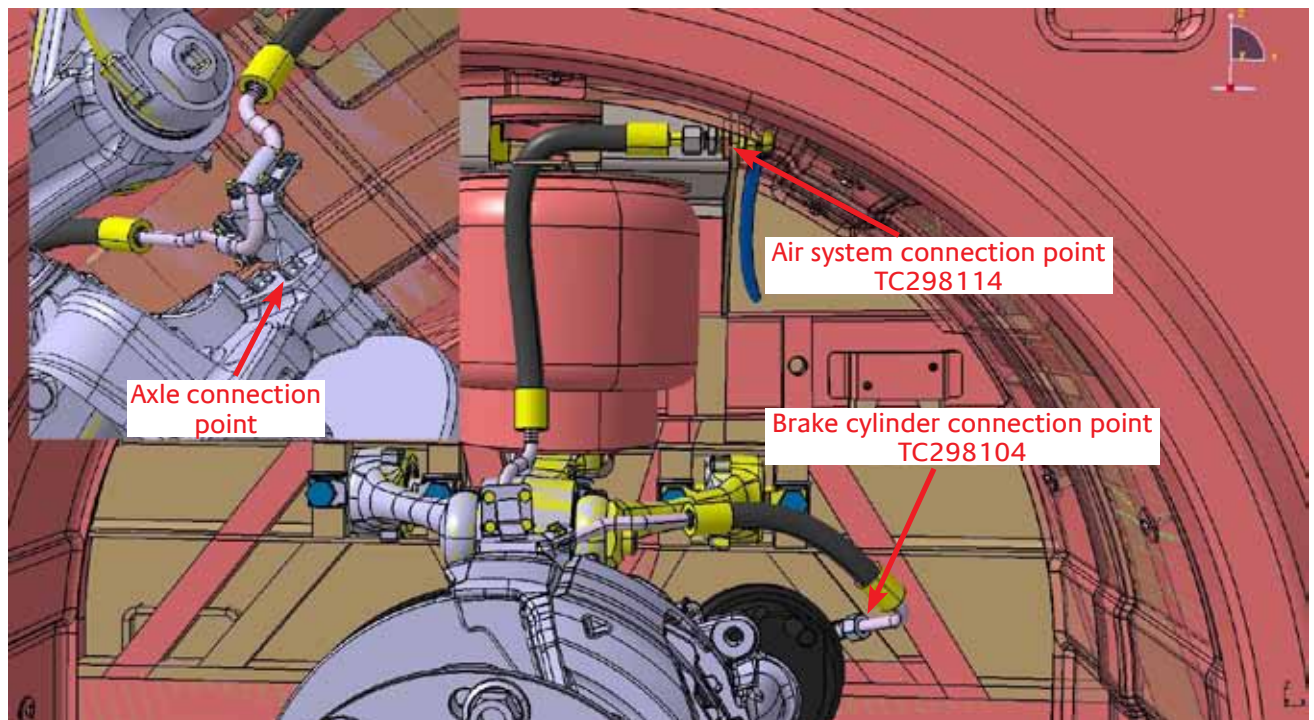


Fig. 12

10. After application, press the brake pedal continuously to observe any air leakage in the front brake hoses. In case of observing any leak, make sure fixing that leak before operating the bus.

05 Flat Rate Break Down

APPLICATION	TIME	
	hour	min.
Step 1: Preparation for tools.		5
Step 2: Removing hoses		55
Step 3: Replacing new hoses		60
Total Flat Rate:		120 min.



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