



# SERVICE BULLETIN

## TS-U33



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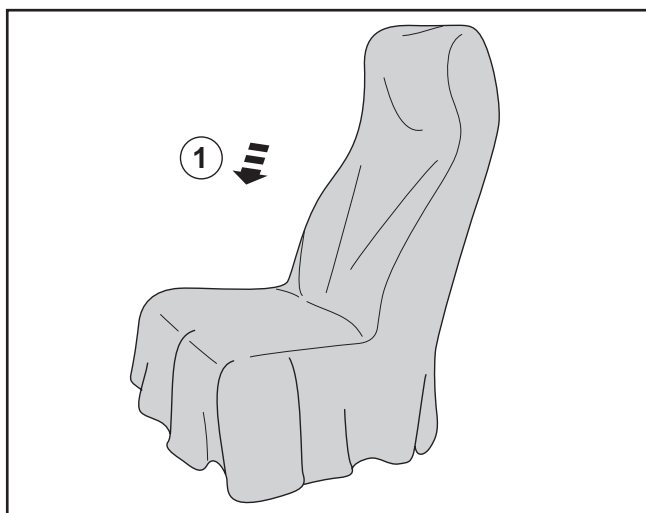
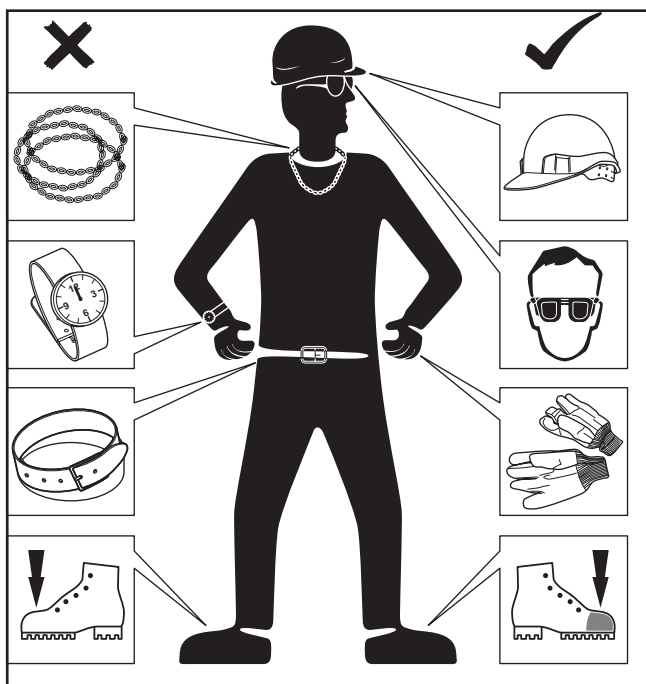
# 00 Foreword

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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.

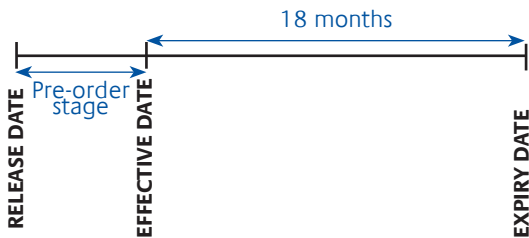
**Effective Date:** As of this date specified amount of the total modification parts will be available on Spare Parts Stock. Modification parts can be ordered and the application can be performed. (except non-compliance and safety related campaigns, i.e. S-Type Bulletin)

**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.

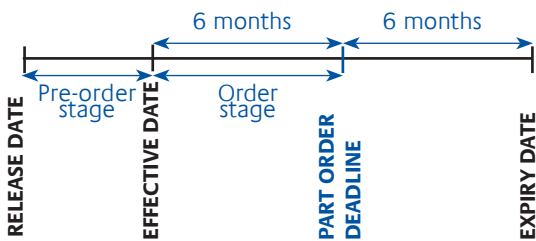
**Expiry Date:** Expiration date for the application.

**Bulletin Types**

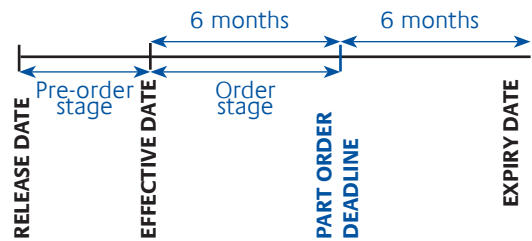
- **S-Type:** Application period of this bulletin is 18 months after the date of issue.



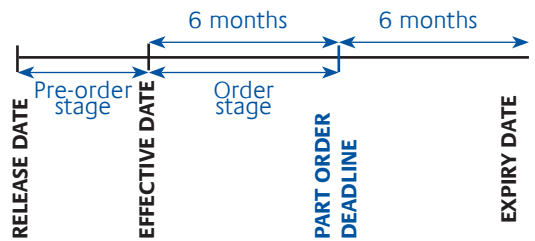
- **U-Type :** Application period of this bulletin is 12 months after the date of issue.



- **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-U33  
**Bulletin Reference No** ..... 700002111  
**Rev No** ..... 00  
**Release Date** ..... 03.04.2013  
**Effective Date** ..... 12.04.2013  
**Expiry Date** ..... 12.04.2013  
**Vehicle Model** ..... TS 30  
**Flat Rate Code** ..... TS-U33  
**Flat Rate Time** ..... 60 Minutes.

## SUBJECT

Alternator bracket

## SUMMARY

This bulletin is purposed to change the bracket of alternator.

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## Distribution to:



Dealer/Retailer



TEMSA After Sales Team



Authorised Service Centre



# 02 Tools

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## 1. General



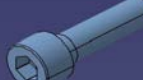



- If work is performed by people who do not have the necessary training to carry out the work or if this information is handled carelessly or totally ignored, this may result in severe injury and/or death. In addition, serious damage to the vehicle may occur.
- Always read the safety instructions in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

### Included Parts List

	Part No	Part Name	Qty.	
1	RP198123Y	BRACKET, ALTERNATOR(TS30)	1	
2	RP198124Y	BRACKET, ALTERNATOR(TS30)	1	
3	BCMD10035C50Y	HEAD BOLT (M10X1,5X35 )	4	
4	MF450006Y	WASHER, PLAIN(A 10,5)	6	
5	TY268118Y	BOLT FLANGE	1	
6	MF450007Y	WASHER, PLAIN(A 13)	1	

### Excluded Parts List

	Part No	Part Name	Qty.	
1	RP198114Y	BRACKET, ALTERNATOR	1	



## 04 Technical Instructions

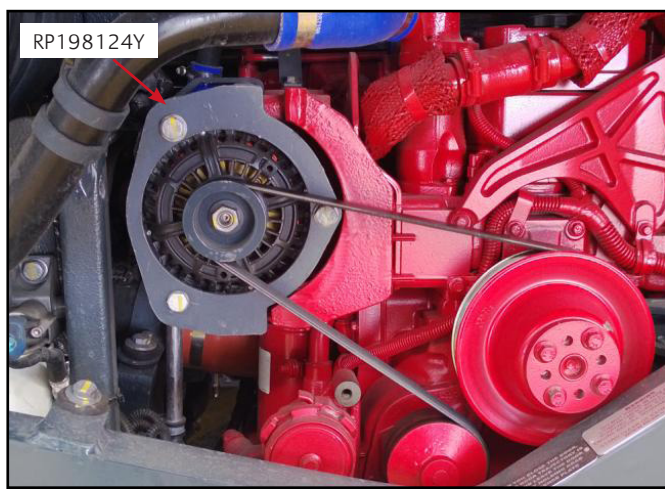


Photo 1

1. Open the engine room cover.

2. Disassemble alternator bracket (RP198114Y).

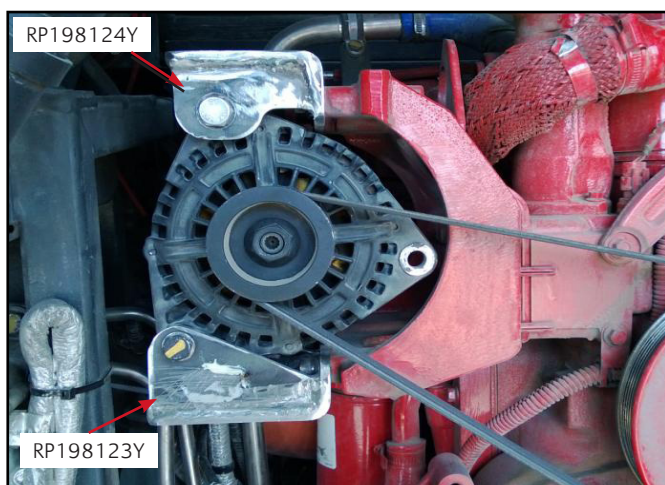


Photo 2

3. Assemble new alternator brackets (RP198124Y and RP198123Y) to the location of old bracket. Use the bolts provided with assemble set.

BCMD10035C50Y TIGHTENING TORQUE IS 50 LBF

TY268118Y TIGHTENING TORQUE IS 92 LBF

## 05 Flat Rate Break Down

APPLICATION	TIME	
	hour	min.
Step 1: Preparation for tools.		10
Step 2: Dismounting old panel.		20
Step 3: Mounting headlight inspection lid.		30
<b>Total Flat Rate:</b>		<b>60 min.</b>



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