



TEMSA

SERVICE BULLETIN

TS-U42



Contents

00.	Foreword.....	2
01.	Bulletin Information.....	5
02.	Tools.....	6
03.	Part List.....	7
04.	Technical Instructions.....	8
05.	Flat Rate Break Down.....	9
06.	Affected Vehicle List.....	10

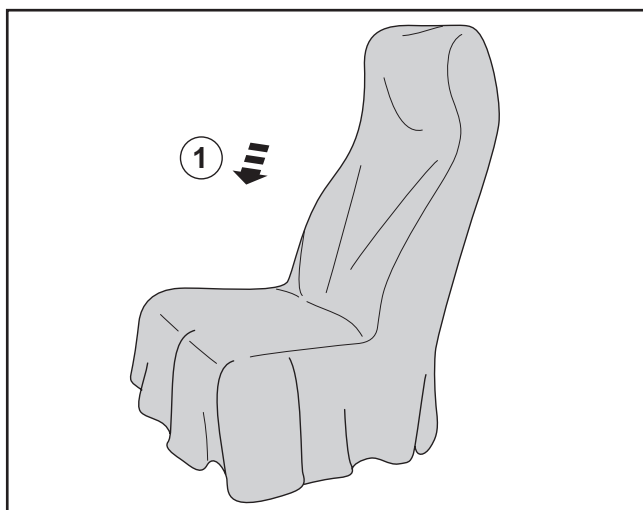
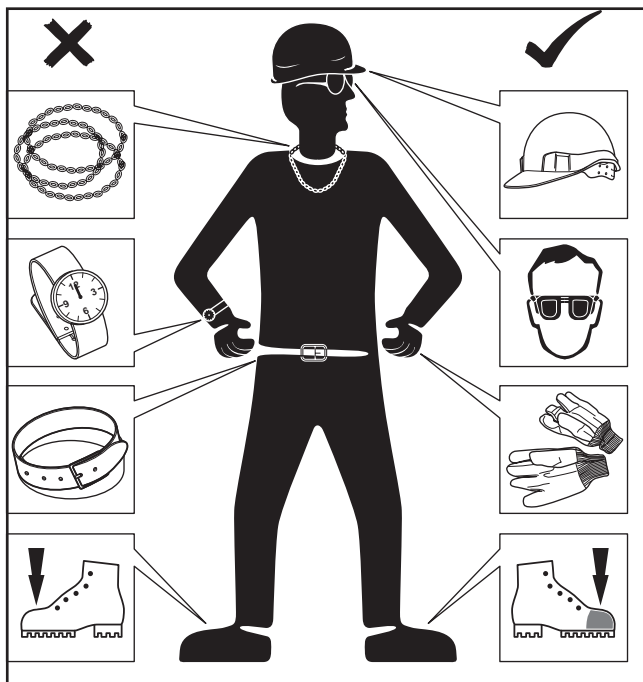
00 Foreword

- 1. **General Precautions**..... 3
- 2. **Symbol List**..... 3
- 3. **Before Start of Work**..... 3
 - 3.1. Mechanical Requested Dress Code 3
 - 3.2. Protect Seats when Mechanics Start Working 3

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.

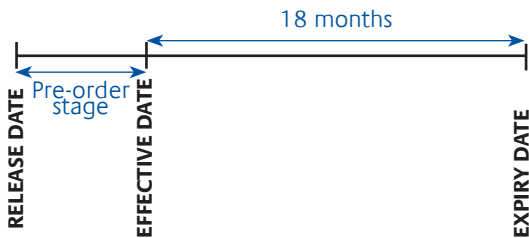
Effective Date: As of this date specified amount of the total modification parts will be available on Spare Parts Stock. Modification parts can be ordered and the application can be performed. (except non-compliance and safety related campaigns, i.e. S-Type Bulletin)

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.

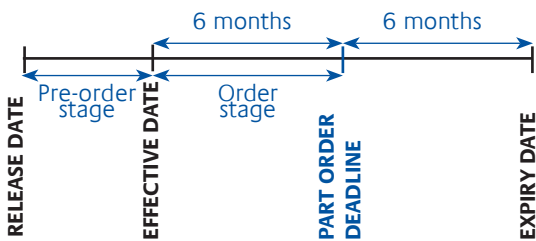
Expiry Date: Expiration date for the application.

Bulletin Types

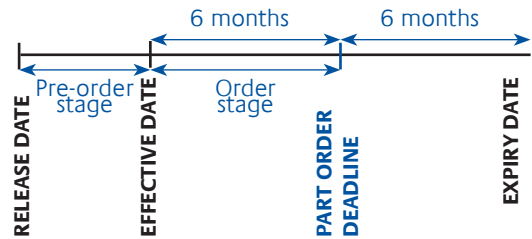
- **S-Type:** Application period of this bulletin is 18 months after the date of issue.



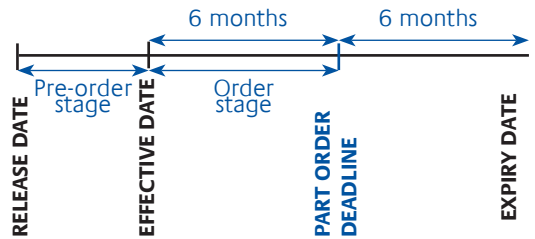
- **U-Type :** Application period of this bulletin is 12 months after the date of issue.



- **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-U42
Bulletin Reference No 700002190
Rev No 00
Release Date 26.07.2013
Effective Date 26.07.2013
Expiry Date 26.07.2013
Vehicle Model TS 30
Flat Rate Code TS-U42
Flat Rate Time 30 Minutes.

SUBJECT

Alternator Bracket (Tensioner Arm) Improvement

SUMMARY

This bulletin is purposed to prevent alternator bracket (Tensioner Arm) failure in TS30 buses.

Prepared by Fatih Nasırcı
Approved by Osman Dündar
Published by Beytullah Onat

Distribution to:



Dealer/Retailer



TEMSA After Sales Team



Authorised Service Centre



02 Tools

1. General.....	6
2. Tools.....	6

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.
1	RP198127Y	BRACKET, (Tensioner Arm) ALTERNATOR (TS30)	1

Excluded Part List

	Part No	Part Name	Qty.
1	RP198115Y	TENSIONER, ALTERNATOR	1

04 Technical Instructions

1. Open the engine lid.

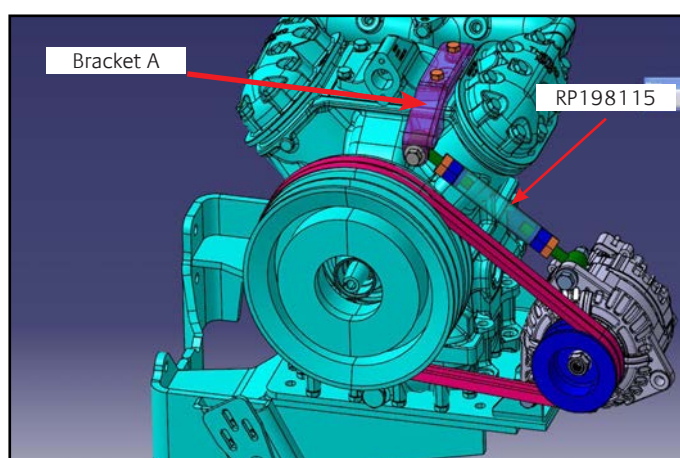


Photo 1

2. Remove the bracket A (see Photo 1) by unscrewing the two bolts then unscrew the bolts which hold the tensioner and remove the RP198115Y tensioner.

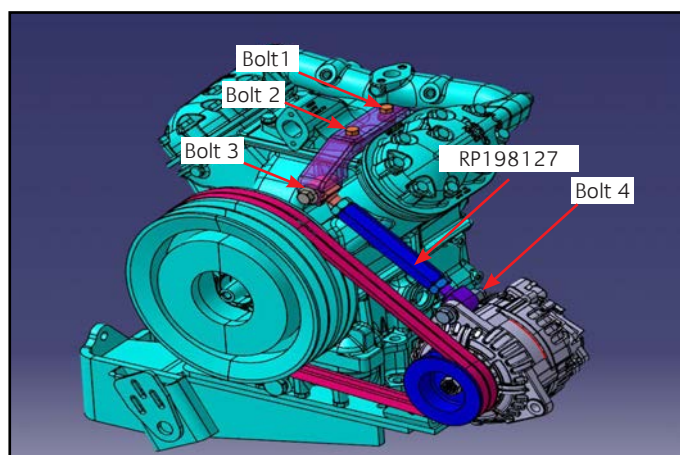


Photo 2

3. Mount the RP198127Y BRACKET, ALTERNATOR (Tensioner Arm) (TS30) and screw the bolts.

Bolt 1 and 2: 31,8 Nm (23,5 lb.ft)

Bolt 3 and 4: 120Nm (88,5 lbft)

05 Flat Rate Break Down

APPLICATION	TIME	
	hour	min.
Step 1: Preparation for tools.		5
Step 2: Dismounting tensioner.		10
Step 3: Mounting new tensioner bracket.		10
Step 4: Belt adjustment.		5
Total Flat Rate:		30 min.

06 Affected Vehicle List

	VIN.	COUNTRY
1	NLTAPLR56C1000001	USA
2	NLTAPLR58C1000002	USA
3	NLTAPLR5XD1000004	USA
4	NLTAPLR51D1000005	USA
5	NLTAPLR53D1000006	USA
6	NLTAPLR55D1000007	USA
7	NLTAPLR57D1000008	USA
8	NLTAPLR59D1000009	USA
9	NLTAPLR55D1000010	USA
10	NLTAPLR57D1000011	USA
11	NLTAPLR59D1000012	USA
12	NLTAPLR50D1000013	USA
13	NLTAPLR52D1000014	USA
14	NLTAPLR54D1000015	USA
15	NLTAPLR56D1000016	USA
16	NLTAPLR58D1000017	USA
17	NLTAPLR5XD1000018	USA
18	NLTAPLR51D1000019	USA
19	NLTAPLR58D1000020	USA
20	NLTAPLR5XD1000021	USA
21	NLTAPLR51D1000022	USA
22	NLTAPLR53D1000023	USA
23	NLTAPLR55D1000024	USA
24	NLTAPLR57D1000025	USA
25	NLTAPLR59D1000026	USA
26	NLTAPLR50D1000027	USA

	VIN.	COUNTRY
27	NLTAPLR52D1000028	USA
28	NLTAPLR54D1000029	USA
29	NLTAPLR50D1000030	USA
30	NLTAPLR52D1000031	USA
31	NLTAPLR54D1000032	USA
32	NLTAPLR56D1000033	USA
33	NLTAPLR58D1000034	USA
34	NLTAPLR5XD1000035	USA
35	NLTAPLR51D1000036	USA
36	NLTAPLR53D1000037	USA
37	NLTAPLR55D1000038	USA
38	NLTAPLR57D1000039	USA
39	NLTAPLR53D1000040	USA
40	NLTAPLR55D1000041	USA
41	NLTAPLR57D1000042	USA
42	NLTAPLR59D1000043	USA
43	NLTAPLR50D1000044	USA
44	NLTAPLR52D1000045	USA
45	NLTAPLR54D1000046	USA
46	NLTAPLR56D1000047	USA
47	NLTAPLR58D1000048	USA
48	NLTAPLR5XD1000049	USA
49	NLTAPLR56D1000050	USA
50	NLTAPLR58D1000051	USA
51	NLTAPLR5XD1000052	USA
52	NLTAPLR51D1000053	USA

	VIN.	COUNTRY
53	NLTAPLR53D1000054	USA
54	NLTAPLR55D1000055	USA
55	NLTAPLR57D1000056	USA
56	NLTAPLR59D1000057	USA
57	NLTAPLR50D1000058	USA
58	NLTAPLR52D1000059	USA
59	NLTAPLR59D1000060	USA
60	NLTAPLR50D1000061	USA
61	NLTAPLR52D1000062	USA
62	NLTAPLR54D1000063	USA
63	NLTAPLR56D1000064	USA
64	NLTAPLR58D1000065	USA
65	NLTAPLR5XD1000066	USA
66	NLTAPLR51D1000067	USA
67	NLTAPLR53D1000068	USA
68	NLTAPLR55D1000069	USA
69	NLTAPLR51D1000070	USA
70	NLTAPLR53D1000071	USA
71	NLTAPLR55D1000072	USA
72	NLTAPLR57D1000073	USA
73	NLTAPLR59D1000074	USA
74	NLTAPLR50D1000075	USA
75	NLTAPLR52D1000076	USA
76	NLTAPLR54D1000077	USA
77	NLTAPLR56D1000078	USA
78	NLTAPLR58D1000079	USA
79	NLTAPLR54D1000080	USA



TEMSA

Stamp

temsa.com

FACTORY & INTERNATIONAL CUSTOMER SERVICES

Mersin Yolu Üzeri 10 km. P.K. :480 01323 ADANA / TURKEY

T: +90 322 441 02 26 PBX

F: +90 322 441 01 05

Temsa Europe NV

Dellingstraat 32, Mechelen Belgium

T: +32 15 44 00 00

F: +32 15 44 00 09

E: info@temsa.com

TEMSA Roundel and TEMSA wordmark are registered trademarks of TEMSA Global.

