

SERVICE BULLETIN

TS-S41

Safety Recall / NHTSA Campaign # 13V - 317



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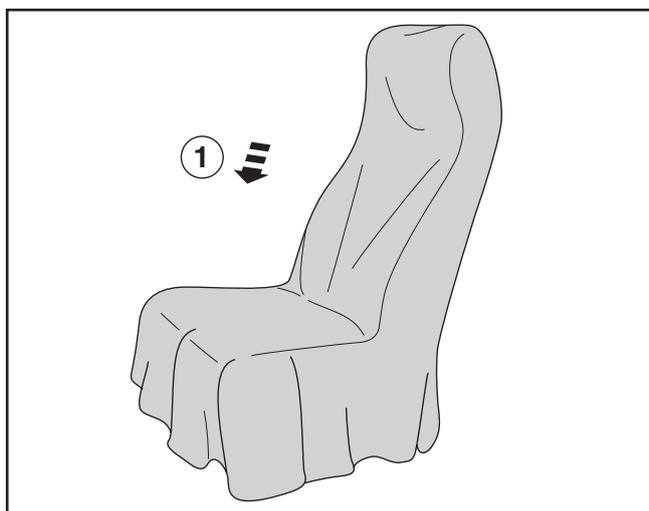
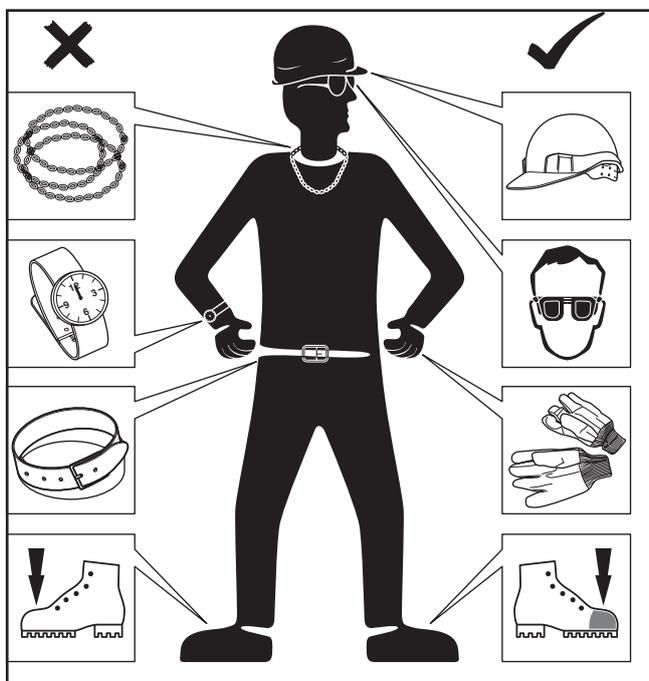
00 Foreword

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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.

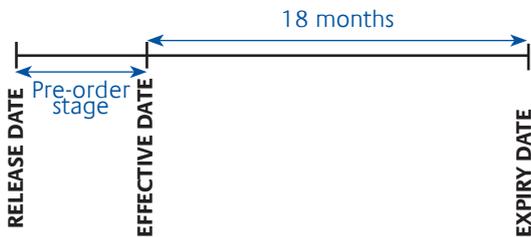
Effective Date: As of this date specified amount of the total modification parts will be available on Spare Parts Stock. Modification parts can be ordered and the application can be performed. (except non-compliance and safety related campaigns, i.e. S-Type Bulletin)

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.

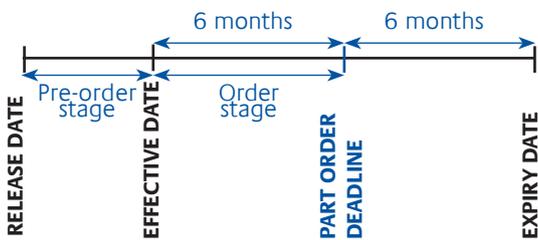
Expiry Date: Expiration date for the application.

Bulletin Types

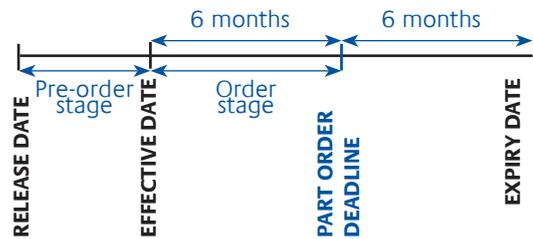
- **S-Type:** Application period of this bulletin is 18 months after the date of issue.



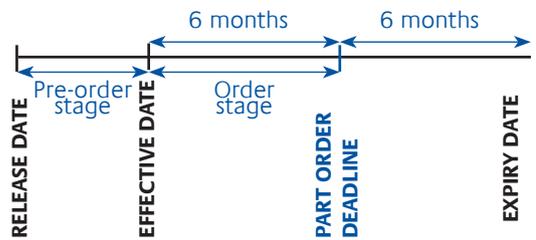
- **U-Type :** Application period of this bulletin is 12 months after the date of issue.



- **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 Service Campaign (Safety Recall)
Bulletin No TS-S41
Bulletin Reference No 700002188
Rev No 00
Release Date 16.08.2013
Effective Date 16.08.2013
Expiry Date 16.02.2015
Vehicle Model TS 30
Flat Rate Code TS-S41
Flat Rate Time 120 Minutes.



NOTE

RECALL CAMPAIGN # 13V-317

SUBJECT

DANA Axle Shaft Replacement

SUMMARY

This bulletin is purposed to prevent DANA axle shaft failure in TS30 buses.

The removed shafts should be made available for return to CH Bus Sales Orlando FL. Dana will arrange collection from CH Bus Sales. Each shafts should be identified by attaching a label with the following information:

- * Dana axle part number
- * Dana axle serial number
- * Mileage/Kms
- * Axle shaft part number

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Published by.....Ercan Uslular

Distribution to:



Dealer/Retailer



TEMSA After Sales Team



Authorised Service Centre





Service Bulletin

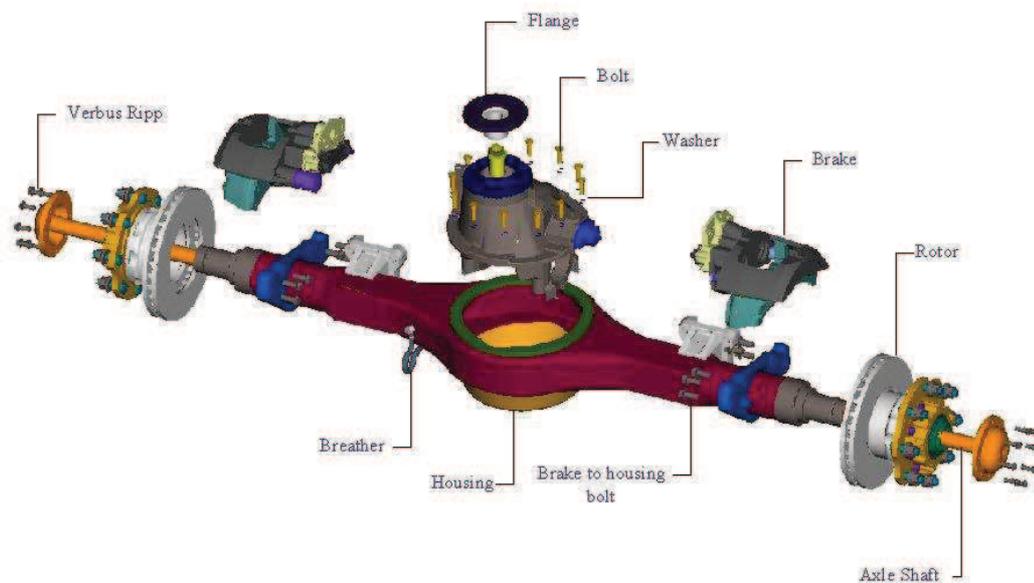
Date: July 24th 2013

Service Bulletin Number: SB13_Temsa

SUBJECT: Axle Shaft Replacement

- **Background:** A request was received for Dana to issue a service instruction.
- **Scope of bulletin:** This bulletin describes the procedure to remove and replace the axle shafts.
- **Procedure:**

Air Disc Brake Axle Exploded View



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Service Bulletin

□ Procedure (continued):

1. Remove the 8 x **M16 Verbus Ripp** retaining bolts which are securing the axle shaft to the hub.
2. Place a drip tray under the flange end of the axle shaft to catch any oil which may be lost as the axle shaft is extracted.
3. Insert 2 x **M10 x 1.5** 'jacking bolts' into the 2 threaded holes in the axle shaft flange. This will pull the axle shaft flange away from the hub face.
4. Pull the axle shaft from the axle.
5. Clean the face of the hub and apply a thin bead of soft sealant (**Loctite 518** or similar).
6. Insert the new axle shaft into the axle aligning the axle shaft splines with the differential side gear splines. Some rotation of the axle shaft will be necessary to align the splines.
7. Fit the 8 x **M16 Verbus Ripp** axle shaft retaining bolts and tighten to the correct specified torque of **314 - 346Nm (232 lb.ft - 255 lb.ft)**
8. When both axle shafts have been replaced check and top up the axle oil level if necessary.

- **Standard Repair Time:** The warranty standard repair time for changing 2 axle shafts is 2.0 hrs. This includes bringing the vehicle into the workshop, removing and replacing both axle shafts and to check and top up the oil level.

The description, testing procedures, and specifications contained in this parts / service publication were current at time of printing. If in doubt about any aspect of maintenance or servicing of the axle please contact the vehicle builder or our service department direct. Dana Automocion reserves the right to discontinue or modify its procedure and to change specifications at any time without notice and without incurring obligation. The recommendations of the vehicle manufacturer should be considered as the primary source of service information regarding this Dana product. This publication is intended to be used as a supplement to such information. Any references to brand names in this publication is made simply as an example of the types of tools and materials recommended for use and, as such, should not be considered as an endorsement. Equivalents, if available, may be used.

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03 Affected Vehicle List

	VIN.	COUNTRY
1	NLTAPLR59D1000074	USA
2	NLTAPLR50D1000075	USA
3	NLTAPLR52D1000076	USA
4	NLTAPLR54D1000077	USA



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