

REFERENCE:	Nova Bus Manuals
SECTION:	07: Steering Mechanism
RS N°:	MQR 7621-2384
EFFECTIVE IN PROD.:	N/A
TC RECALL N°:	2022-649
NHTSA RECALL N°:	22V845

APPLICATION DEADLINES: N/A  
REFERENCE NUMBER: SR5344

SUBJECT:	Bosch steering gear box mounting plate fasteners interim remedy*.
JUSTIFICATION:	The steering gear box installation may not have sufficient clamp load which may lead to the steering gear box mounting plate sub-assembly fasteners to become low torque, lose or missing.

\* The permanent remedy will be published under CR5342E.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Interim remedy: Retorque bolts of the steering gear box mounting plate fasteners.	Nova Bus	–	15min
2	Replace missing or damaged parts	Nova Bus	Nova Bus	–

#### MATERIAL REQUIRED PER VEHICLE

QTY	PART N°	REV.	DESCRIPTION
<b>LEVEL 1</b>			
–	–	–	–
<b>LEVEL 2 (only if required**)</b>			
3	N91462	–	Spherical washer
3	N65400	A	Nord-Lock washer
3	N91461	–	Bolt
1	N91159	A	Gear box mounting plate

To order, please contact [novabus.parts@volvo.com](mailto:novabus.parts@volvo.com)

Or by phone for CANADA 1-800-771-6682, for USA 1-877-999-8808

Specify document number, quantity of parts required and shipping address.

\*\*The material identified in Level 2 is to be ordered only for vehicles that meet the criteria defined in Level 1.

#### DISPOSAL OF PARTS

REMOVED PARTS ARE:	DISCARDED	RETAINED	* Dispose of the unused parts and the defective parts in accordance with local environmental standards in effect.
	*		
	Yes	–	

#### REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2022NO16	Initial release	André Pelletier

APPROVED BY:

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**NOTE**

Buses that have previously been campaigned for a torque application should be verified again at the next scheduled maintenance or earlier.

## PROCEDURE

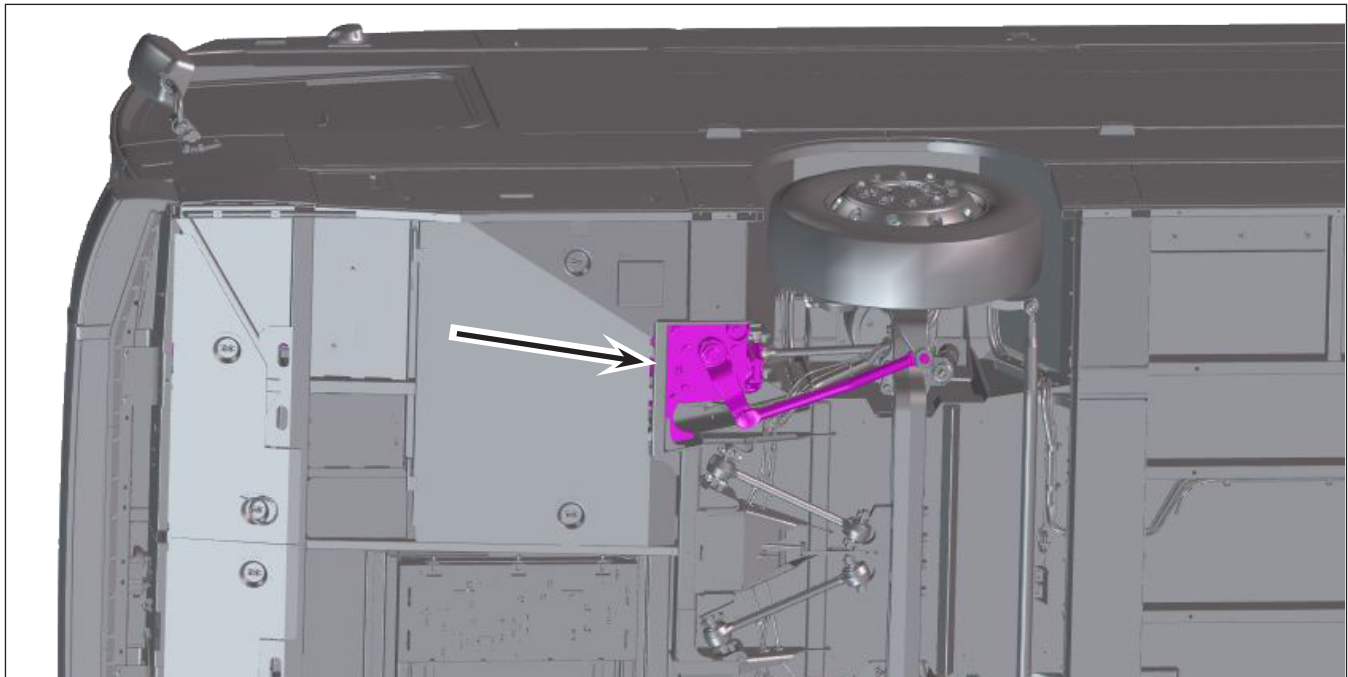
**WARNING**

**FOLLOW YOUR INTERNAL SAFETY PROCEDURES.**

- 1.1. Park the vehicle on an even surface with the transmission on neutral.
- 1.2. Apply the parking brake and set the master control switch to the **stop** position.
- 1.3. Set the battery disconnect switch in the battery compartment to the **off** position.
- 1.4. Raise the vehicle.

**CAUTION**

For information on hoisting and towing of the vehicle, see section 18: *HOISTING AND TOWING* in the Nova Bus maintenance manual. Use appropriate hoisting equipment for your protection and to prevent damage to the vehicle.



*Figure 1 - Steering Gear Box Location, Bottom View*

- 1.5. Apply a torque of 333 lb-ft (452 N·m) on the three bolts N91461 shown. If parts are missing or damaged, order them as per the material list shown in level 2 of page 1.
- 1.6. Apply a torque seal.
- 1.7. The vehicle can return in service.



Figure 2 - Location of the Three Bolts N91461

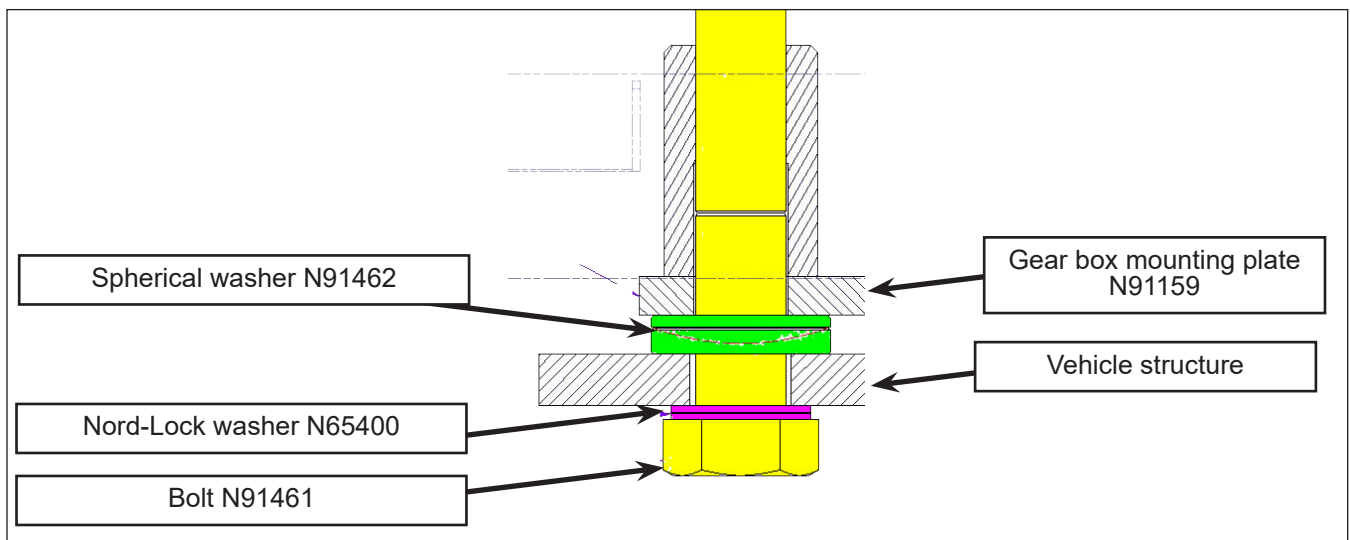


Figure 3 - Sectional View of the Assembly