REFERENCE:	Nova Bus Manuals
SECTION:	09: Engine and Cooling
RS Nº:	MQR 7621-2653
EFFECTIVE IN PROD.:	NA

APPLICATION DEADLINES: 2024DE13
CLAIM REFERENCE NUMBER:WB-5447

SUBJECT:	Rework allied motion e-Steering motor.
JUSTIFICATION:	24V e-steering power supply threads length tolerances are not respect to standard.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Installation of steel ball on the terminals.	Nova Bus	Nova Bus	0.33 h
2	–	–	–	–

MATERIAL REQUIRED PER VEHICLE

QTY	PART Nº	REV.	DESCRIPTION
LEVEL 1			
2	N620000252	–	3/16 Steel Ball
LEVEL 2			
–	–	–	–
SHOP SUPPLIES			
4 ml	N67314	–	NCP2 Anticorossive (4 oz bottle)

Materials will be available within 32 days once your order has been placed.
To order, please contact 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.

DISPOSAL OF PARTS

REMOVED PARTS ARE:	DISCARDED	RETAINED *	* To be reimbursed, the parts must be retained and returned in accordance with the usual warranty procedure.
	Yes	–	

REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2023OC31	Initial release	G S Naveen

APPROVED BY:

Eric Charest Signature numérique de Eric Charest Date : 2023.10.31 15:24:51 -04'00'

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Ames Transportation Agency - Iowa	LE52	7157	7158	L82M2N97784	L82M4N97784	2
CMBC (TransLink) - British Columbia	LE13	H22101	H22101	L82M6M37533	L82M6M37533	1
Demo - Boston Massachusetts Bay Transportation Authority - MBTA	LE54	—	—	L82L2N97783	L82L4N97783	2
Guelph Ontario	LE69	285	288	L82M9N37536	L82M2N37536	4
Houston Texas - Metro	LE77	3000	3000	L82M3N97786	L82M3N97786	1
Milwaukee - Wisconsin	LE16	1000	1000	L82M4N97782	L82M4N97782	1
Milwaukee - Wisconsin	LE17	1001	1010	L82M4N97785	L82M9N97786	10
San Francisco California SFMTA - LFS-e+	LE39	5010	5010	L82M2N97783	L82M2N97783	1
University Of Vermont	LC87	—	—	L82L5L97775	L82L5L97775	1

Tools Required

- Torque wrench

WARNING

FOLLOW YOUR INTERNAL SAFETY PROCEDURES.

PROCEDURE

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. Open the street side panel to access e-steering motor (see figure 1).

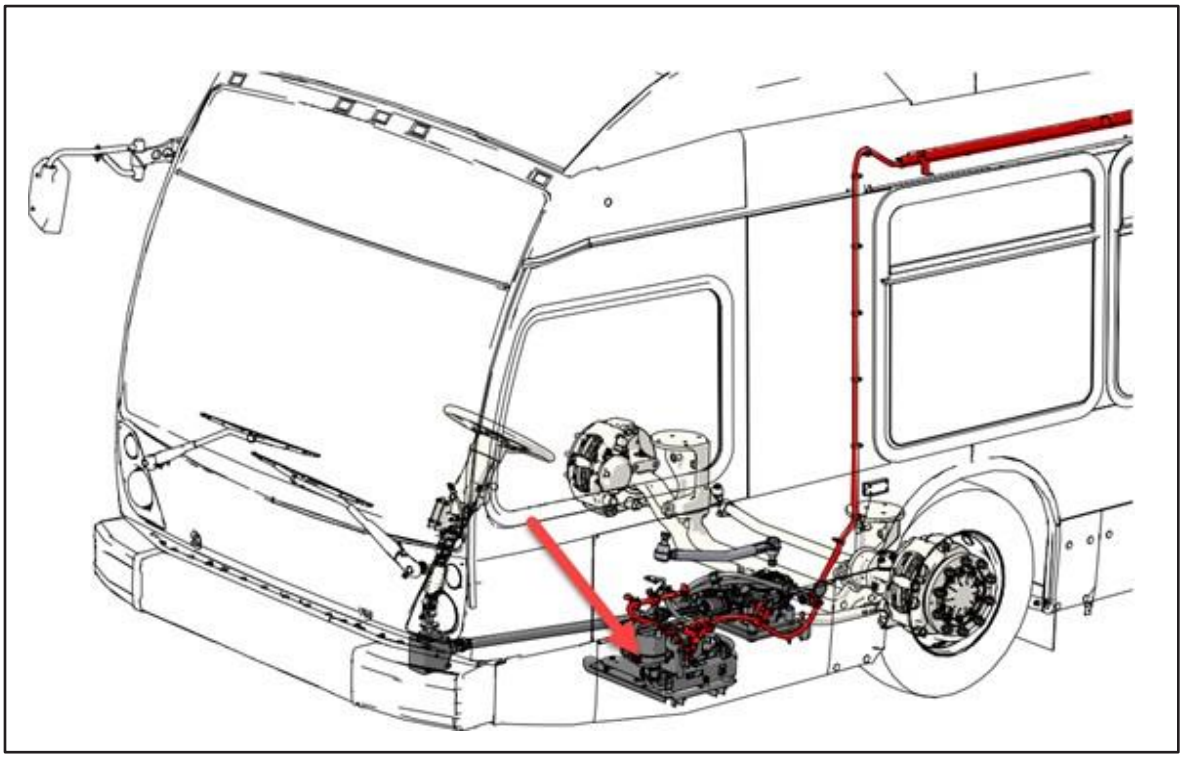

Figure 1 - Location of E-Steering Motor

1.5. Disconnect the E-steering motor positive (+) and negative (-) cables (see figure 2).

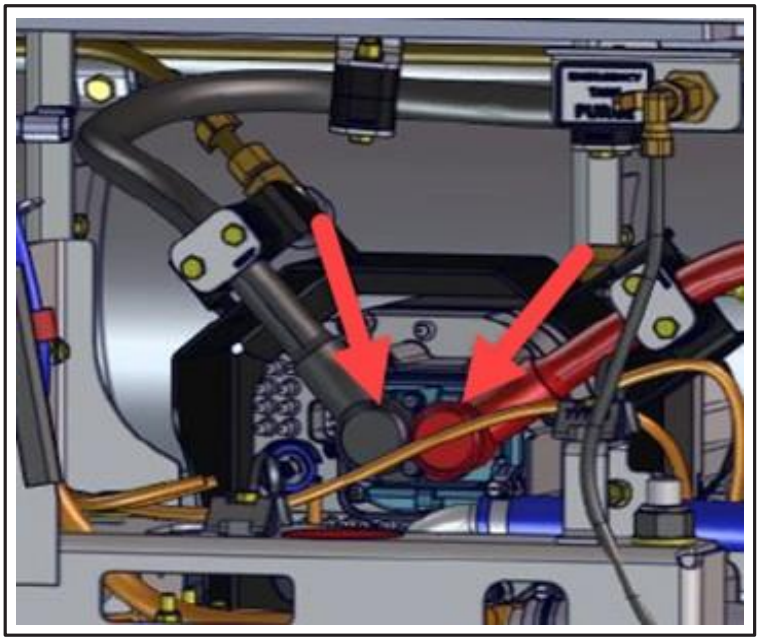

Figure 2 - View of E-Steering Motor Positive and Negative Cables

1.6. Measure the positive (+) and negative (-) stud length.

NOTE

If the studs are not within the tolerances(15mm - 19mm) proceed to step 1.7.

If the studs are within the tolerance (15mm - 19mm) proceed to step 1.8.

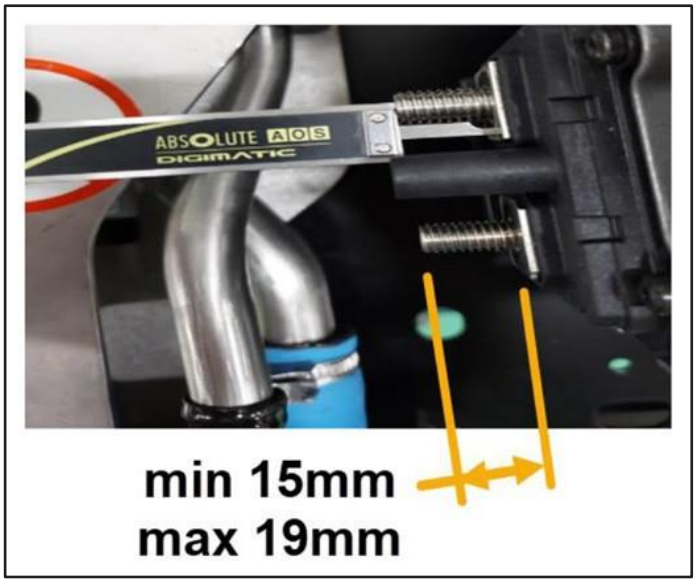

Figure 3 - Stud Tolerance Limit.

1.7. Unscrew studs and insert steel ball N620000252 and screw terminals (see figure 4).

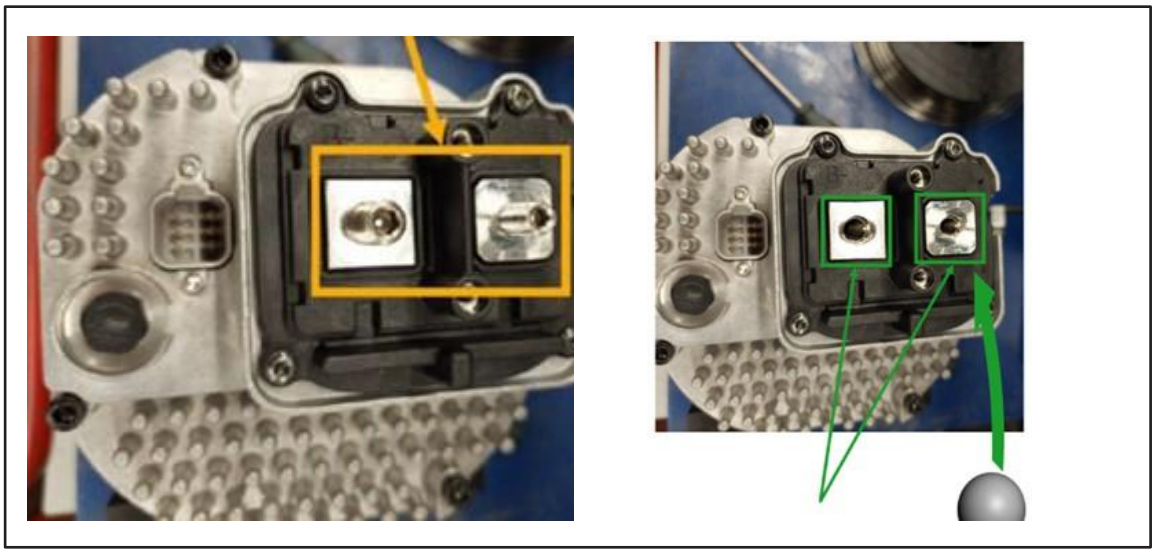

Figure 4 - Installation of Steel Ball

1.8. Retorque the studs with torque values and apply anticorrosive NCP2 on reconnected cables (see figure 5).

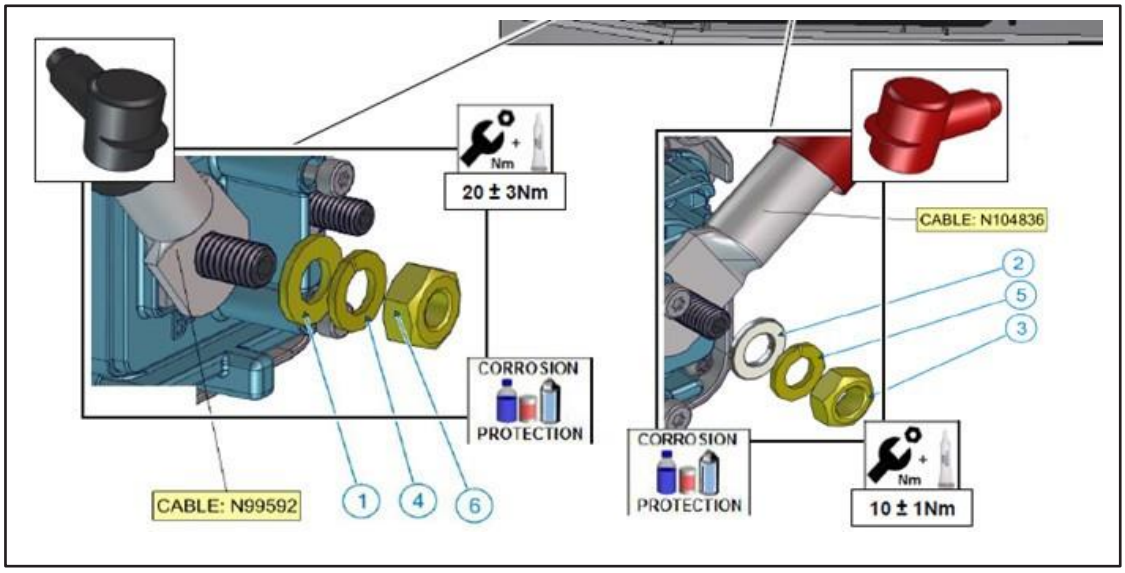

Figure 5 - Applying NCP2 anticorrosive on the Cables.

1.9. Close the street side panel.

1.10. Vehicle is ready for service.❖