

REFERENCE:	Nova Bus Manuals
SECTION:	11: Fuel and exhaust
RS N°:	MQR 7621-628
EFFECTIVE IN PROD.:	L688 (2012MR)

APPLICATION DEADLINE: 2015MR04
CLAIM REFERENCE NUMBER: WB-3114

SUBJECT:	Diesel exhaust fluid tank, 60 ft vehicle.
JUSTIFICATION:	The upper part of the tank support was installed on the wrong side of the chassis brackets.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Install the tank support properly.	Nova Bus	Nova Bus	1 hour
2	—	—	—	—

MATERIAL

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
—	—	—	—	—
LEVEL 2				
—	—	—	—	—

DISPOSAL OF PARTS

REMOVED PARTS ARE:	DISCARDED	RETAINED	—
	—	—	

REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2014MR04	Initial release	Bertrand Plouffe

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Connecticut Transit - Connecticut	L571	1101	1110	S92YXB4000144	S92Y4B4000169	10
Duke University - North Carolina	L651	—	—	S92Y1B4000145	S92Y3B4000146	2
Niagara Falls - Ontario	L652	—	—	S92U3C3000607	S92U6C3000617	11

**WARNING**

Follow your internal safety procedures.

PROCEDURE

- 1.1. Raise the vehicle.

**NOTE**

For information on hoisting and towing of the vehicle, see section 18: HOISTING AND TOWING in the Nova Bus maintenance manual. Respect your internal safety procedures. Use appropriate hoisting equipment for your protection.

- 1.2. Remove the rear curb side dust pan.
1.3. Locate the drain plug of the diesel exhaust fluid tank. See Figure 1.

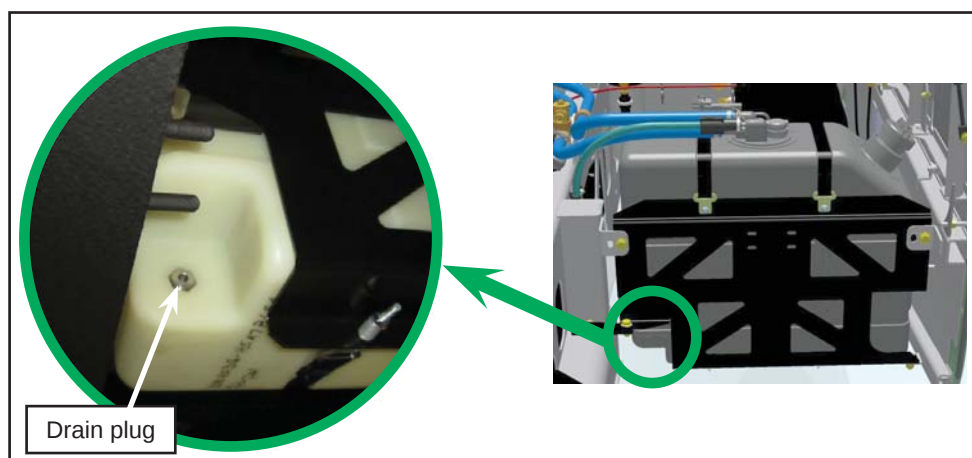


Figure 1 - DEF Tank Drain Plug

- 1.4. Drain the diesel exhaust fluid (DEF) from the tank. Use an appropriate container to collect it.

**WARNING**

Wear gloves.

Avoid spilling DEF on hot exhaust components, since the fluid could hydrolyze and change into ammonia. All spills must be avoided, since DEF is chemically a salt and a strong base, which can corrosively attack other materials, including soft metals and certain polymers

Ensure that no diesel fuel is mixed with the DEF.

- 1.5. Install the DEF tank drain plug.
1.6. Install jack stands to support the DEF tank.

- 1.7. Remove the restraining strap nuts (2x) and springs (2x) at the bottom of the DEF tank. See Figure 2. Retain the hardware.

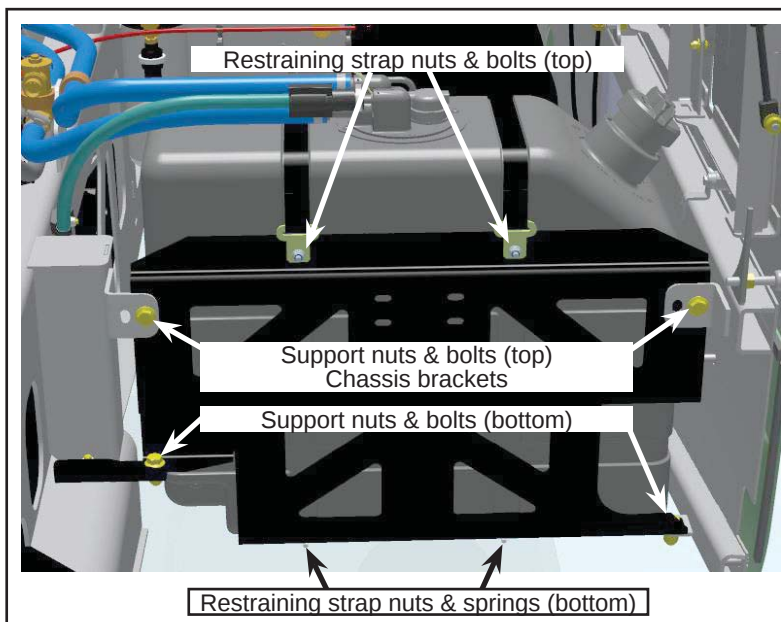


Figure 2 - DEF Tank Hardware

- 1.8. Remove the restraining strap nuts (2x) and bolts (2x) at the top of the DEF tank. See Figure 2. Retain the hardware.
- 1.9. Remove the tank support nuts (4x) and bolts (4x). See Figure 2. Retain the hardware.
- 1.10. Remove the DEF tank support.
- 1.11. Install the DEF tank support. The top of the support must rest against the front side of the chassis brackets (DEF tank side). See Figure 3.

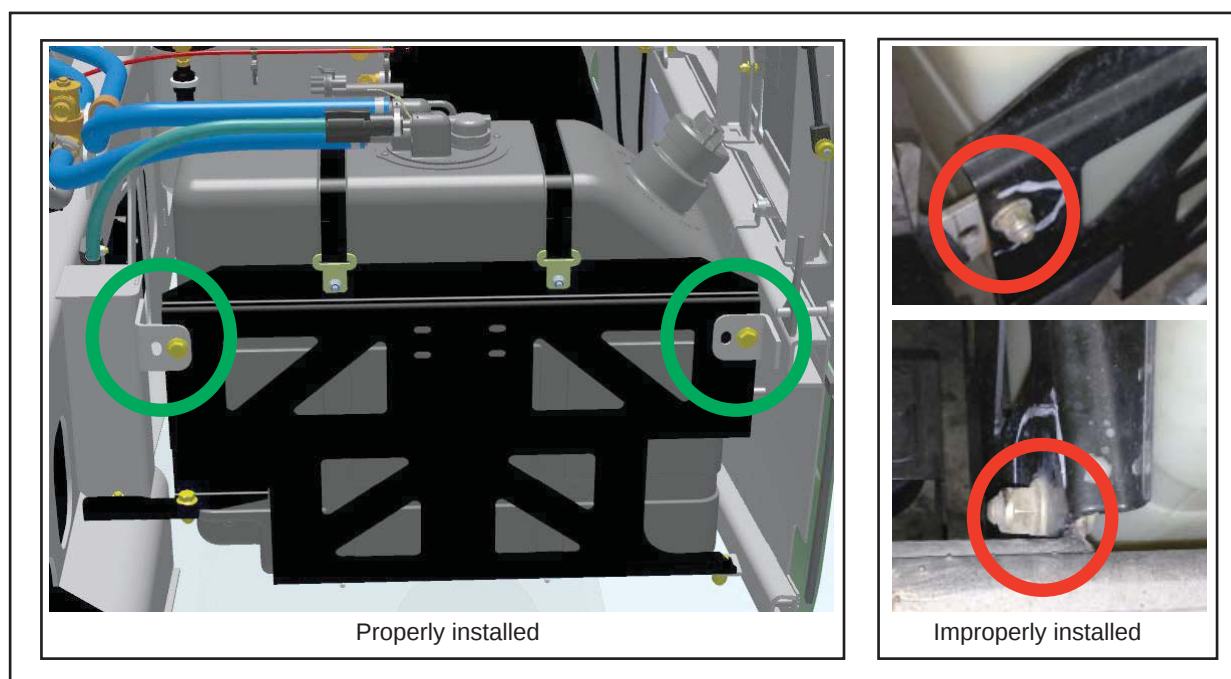


Figure 3 - DEF Tank Support Position

- 1.12. Install the tank support nuts (4x) and bolts (4x). Use the retained hardware.
- 1.13. Install the restraining strap nuts (2x) and bolts (2x) at the top of the DEF tank. Use the retained hardware.
- 1.14. Install the restraining strap nuts (2x) and springs (2x) at the bottom of the DEF tank. Use the retained hardware. The springs should be compressed to the specified length. See Figure 4. Restraining strap tension must meet the specified value. See Figure 4.

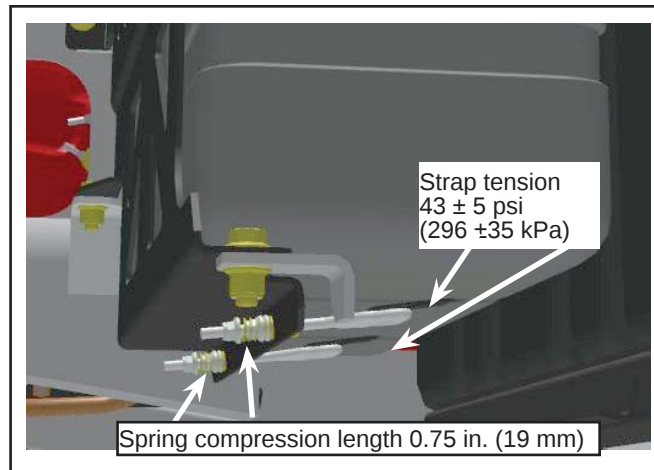


Figure 4 - DEF Tank Restraining Strap Installation Specifications

- 1.15. Remove the jack stands.
- 1.16. Install the dust pan.
- 1.17. Lower the vehicle.
- 1.18. Open the air dryer access door.
- 1.19. Put the collected DEF back into the tank.
- 1.20. Close the air dryer access door.
- 1.21. The vehicle may be returned to service. ❖

