

REFERENCE:	Nova Bus Manuals
SECTION:	09: Engine and cooling
RS N°:	MQR 7621-651
EFFECTIVE IN PROD.:	—

APPLICATION DEADLINE: 2016AL15
CLAIM REFERENCE NUMBER: WB-3369

SUBJECT:	Engine starter shim
JUSTIFICATION:	The starter may damaged the ring gear.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Inspect whether a shim was installed between the starter and the flywheel casing.	Nova Bus	—	15 min
2	If installed, remove the shim.	Nova Bus	—	2.5 hr

MATERIAL

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
—	—	—	—	—
LEVEL 2 (only if required*)				
—	—	—	—	—

DISPOSAL OF PARTS

REMOVED PARTS ARE:	DISCARDED	RETAINED	—
	—	—	

REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2015AL01	Initial release	Bertrand Plouffe

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
New York City Transit - New York	L608	8000	8014	L82U6B4000047	L82U0B4000061	15

**WARNING**

Follow your internal safety procedures.

PROCEDURE

LEVEL 1: INSPECT

- 1.1. Open the passenger cross seats located at the back of the vehicle.
- 1.2. Remove the engine access door under the cross seats.
- 1.3. Locate the engine starter, on the street side of the engine. See Figure 1.

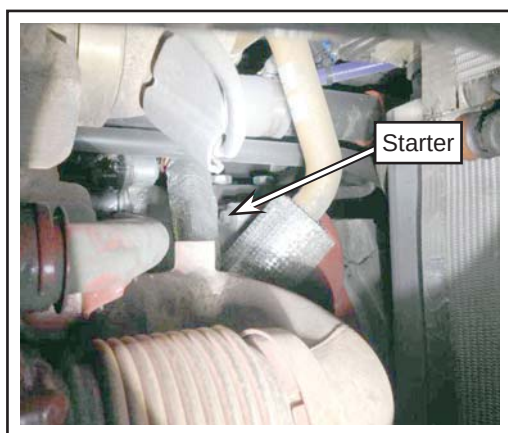


Figure 1 - Engine Starter Location

- 1.4. Inspect whether a shim was installed between the starter flange and the flywheel casing. See Figure 2.
 - 1.4.1. If a shim was installed, go to level 2.
 - 1.4.2. If no shim was installed, go to the next step.

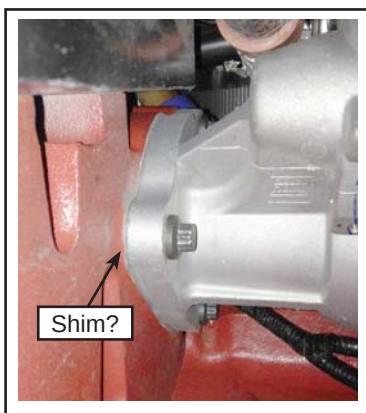


Figure 2 - Location to Look at for a Shim

- 1.5. Install the engine access door.
- 1.6. Close the passenger cross seats.
- 1.7. The vehicle may be returned to service.

LEVEL 2: REMOVE THE STARTER SHIM

- 2.1. Start the engine to confirm proper operation of the starting system.
- 2.2. Stop the engine.
- 2.3. 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. Respect your internal safety procedures. Use appropriate hoisting equipment for your protection.

- 2.4. Remove the starter in accordance with section 09: ENGINE AND COOLING of the Nova Bus maintenance manual.
- 2.5. The shim is 0.050 in. (1.27 mm) thick and has part number 3965952 stamped on it. See Figure 3. Remove and discard the shim.



Figure 3 - Shim to be Removed

- 2.6. Install the starter in accordance with section 09: ENGINE AND COOLING of the Nova Bus maintenance manual.
- 2.7. Start the engine to ensure proper operation of the starting system.
- 2.8. Go to step 1.5. ❖