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|---------------------|-------------------------------------|
| REFERENCE: | Nova Bus Manuals |
| SECTION: | 09 alternator and voltage regulator |
| RS N°: | MQR 7621-815 |
| EFFECTIVE IN PROD.: | L777-63 (2014 Au) |
| TC RECALL N°: | 2014-263 |
| NHTSA RECALL N°: | 14V-381 |

APPLICATION DEADLINE: NA
CLAIM REFERENCE NUMBER: CR3213

| | |
|----------------|--|
| SUBJECT: | Angled alternator cable terminal |
| JUSTIFICATION: | The positive alternator cable terminal may have been damaged during installation. As a result, the terminal may fracture and allow the cable to arc to other components, which may result in an engine compartment fire. |

| LEVEL | DESCRIPTION | DIRECT CHARGES | | TIME |
|-------|-------------------------------|----------------|----------|--------|
| | | LABOUR | MATERIAL | |
| 1 | Replace the alternator cable. | Nova Bus | Nova Bus | 45 min |
| 2 | – | – | – | – |

MATERIAL

| QTY | PART N° | REV. | DESCRIPTION | REPLACES PART N° |
|----------------|-----------|------|------------------|------------------|
| LEVEL 1 | | | | |
| 1 | N80102-01 | – | Alternator cable | – |
| LEVEL 2 | | | | |
| – | – | – | – | – |

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 | 2014AU27 | Initial release | Wilder Galiano |

| CLIENT | ORDER | ROAD NUMBER | | VIN (2NVY/4RKY...) | | QTY |
|---------------------------|-------|-------------|------|--------------------|---------------|-----|
| | | FROM | TO | FROM | TO | |
| Demo CNG | L716 | — | — | L82A5D3000896 | L82A5D3000896 | 1 |
| Calgary Transit - Alberta | L733 | 8201 | 8202 | L82AXD3000926 | L82A1D3000927 | 2 |

**WARNING**

Follow your internal safety procedures.

Refer to the Nova bus Nova LFS maintenance manual for safety procedures before applying this document.

- 1.1. Open the rear engine access door and remove the belt guard. Retain the hardware.
- 1.2. Open the engine access panel of the five place seat, inside at the rear of the vehicle. Retain the hardware.
- 1.3. Locate the angled alternator cable terminal . Push up the red boot to free the terminal. Retain the red boot. Remove the existing angled alternator cable terminal. Retain the hardware.

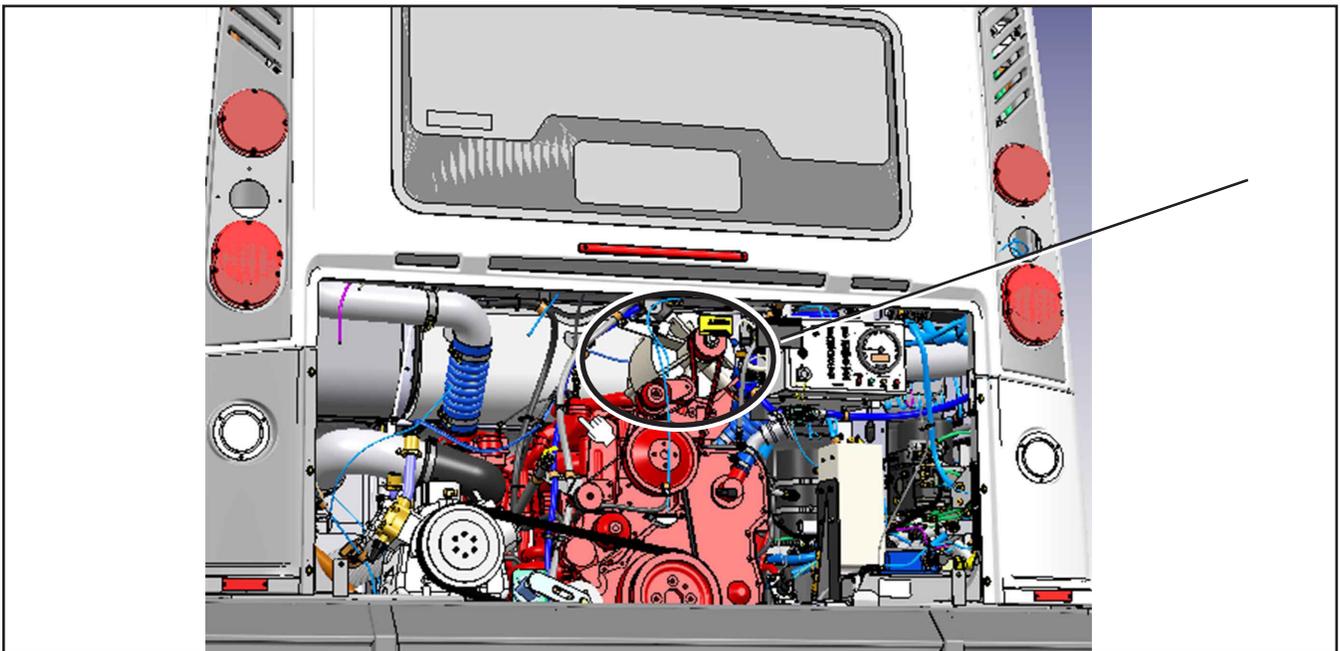


Figure 1 - Alternator Cable Location

- 1.4. Remove the alternator cable. Retain the hardware.
- 1.5. Install the new angled alternator cable terminal, following the specified routing. Ensure that there is no contact with the surrounding components.
- 1.6. Connect the cable to the alternator as shown in correct alternator cable images.



Install angled terminal with no stress or tension



Correct terminal and cable installation



Cable routing

Figure 2 - Correct Alternator Cable Routing

- 1.7. If electric fans are installed, when performing the installation, ensure that the flat cable terminal is not in contact with the alternator oil flexible hose.

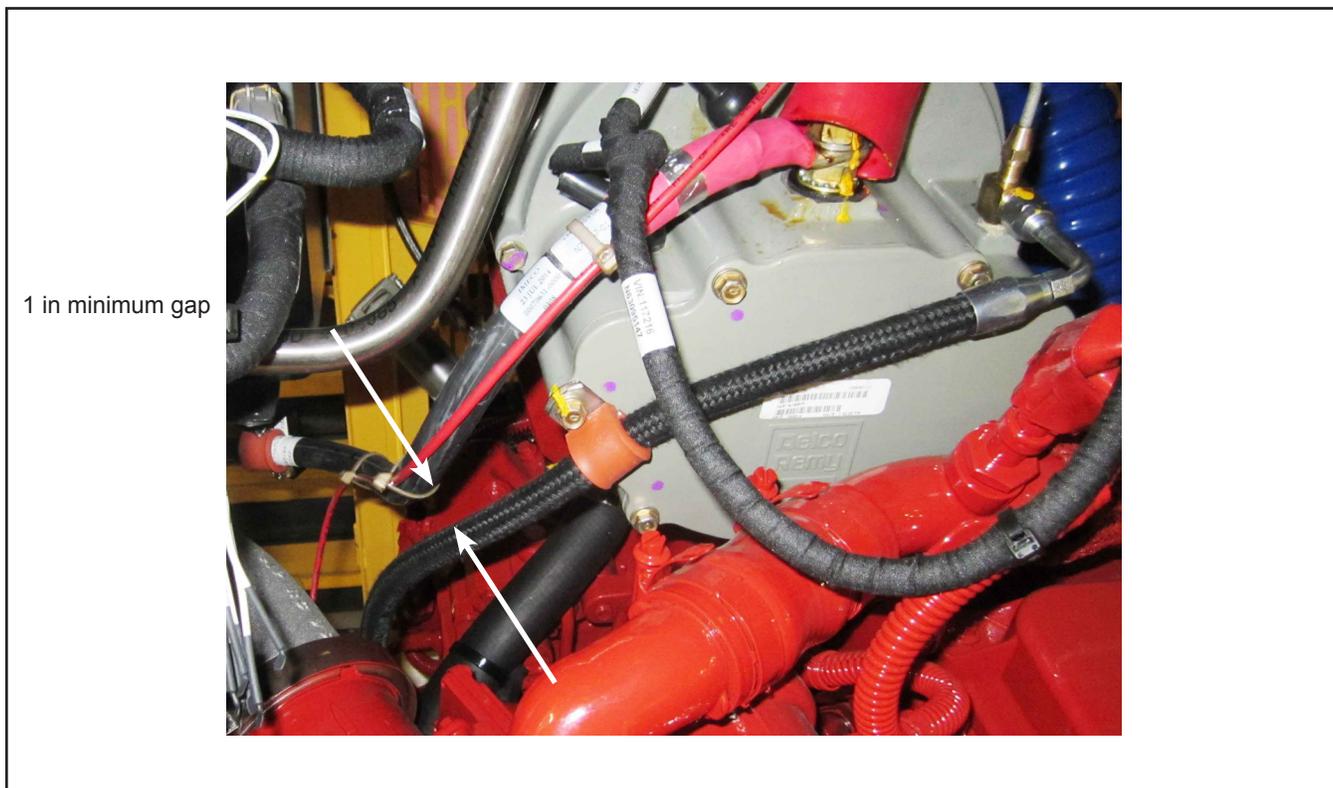


Figure 3 - Flat Terminal Alternator Cable Routing

- 1.8. Tighten to the specified torque.
- 1.9. Route the cable to the engine cradle cable connector.

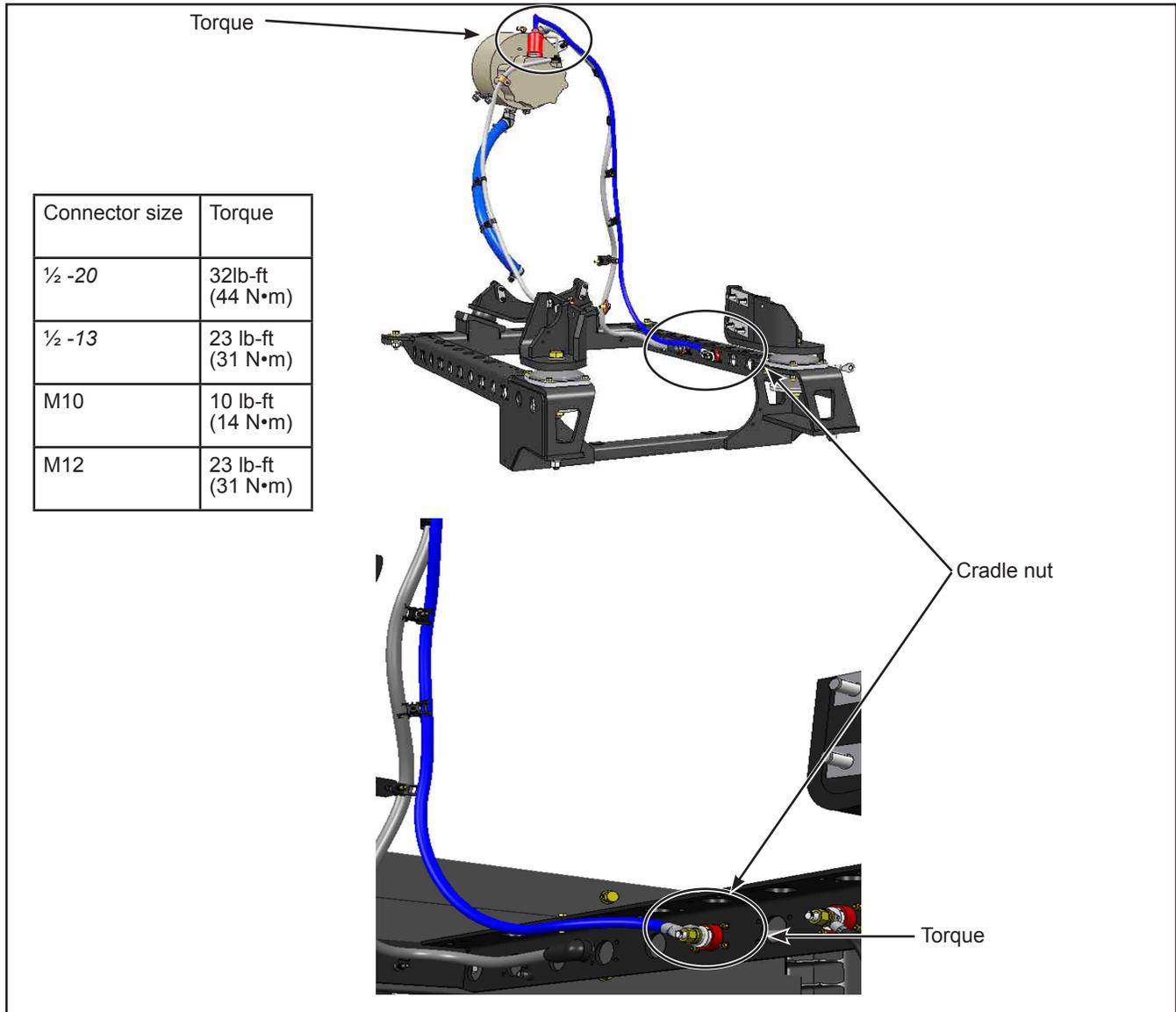


Figure 4 - Alternator Cable Routing

- 1.10. Connect the cable to the engine cradle.
- 1.11. Tighten to the specified torque.
- 1.12. Replace the retained red boot on top of the alternator terminal.
- 1.13. Close the rear engine access door and install the belt guard with the retained hardware.
- 1.14. Inside at the rear of the vehicle. Close the engine access panel of the five place seat using the retained hardware.❖