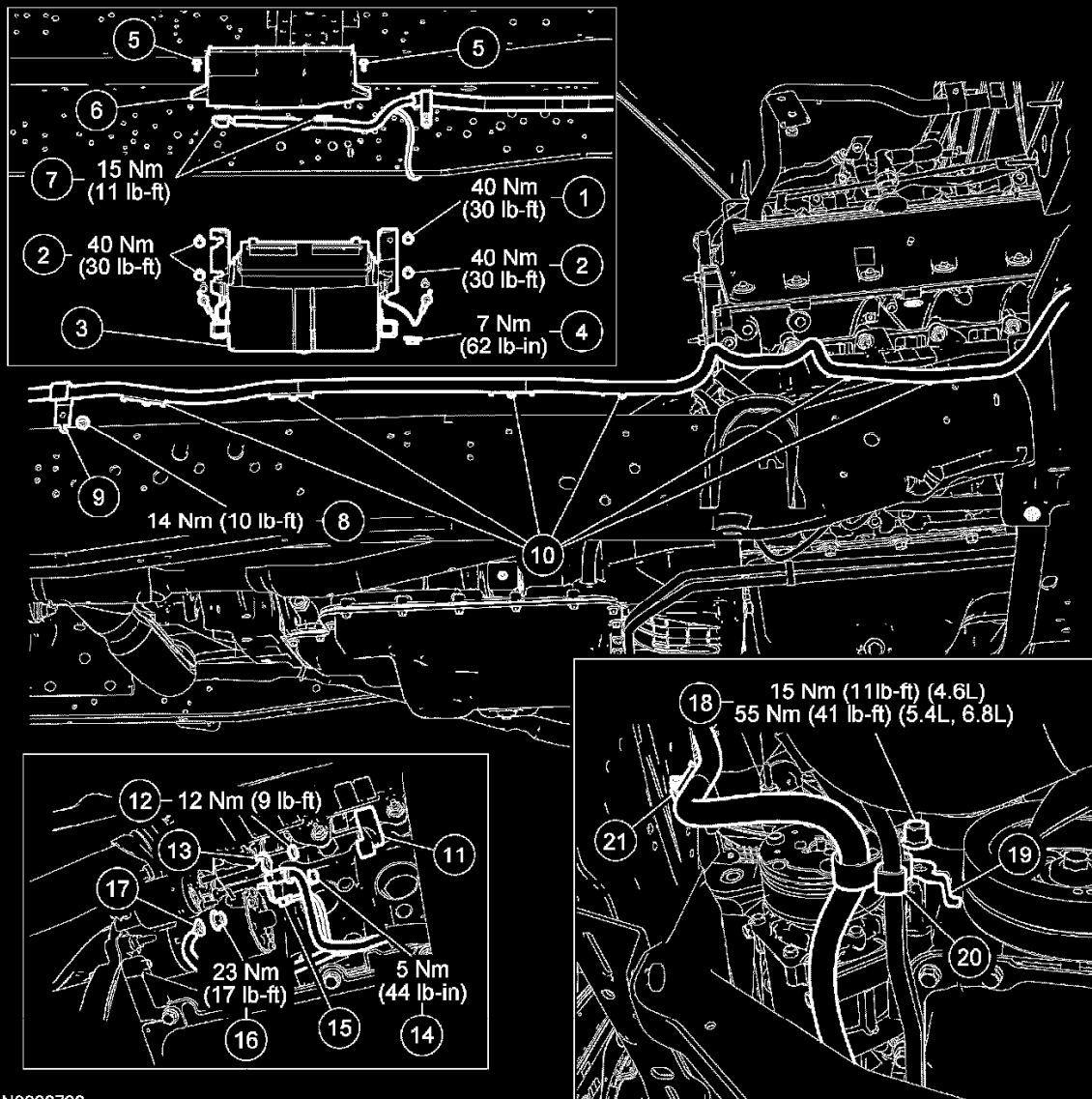


Battery Cable: Service and Repair

Battery Cables - Frame Mounted

BATTERY CABLES - FRAME MOUNTED

Underbody Connections



N0060729

Item	Description
1	Auxiliary battery tray bolt (upper RH bolt)
2	Auxiliary battery tray bolts (3 required)
3	Auxiliary battery tray

(Continued)

Item	Description
4	Auxiliary battery tray cover nut (2 required)
5	Auxiliary battery tray cover bolts
6	Auxiliary battery tray cover

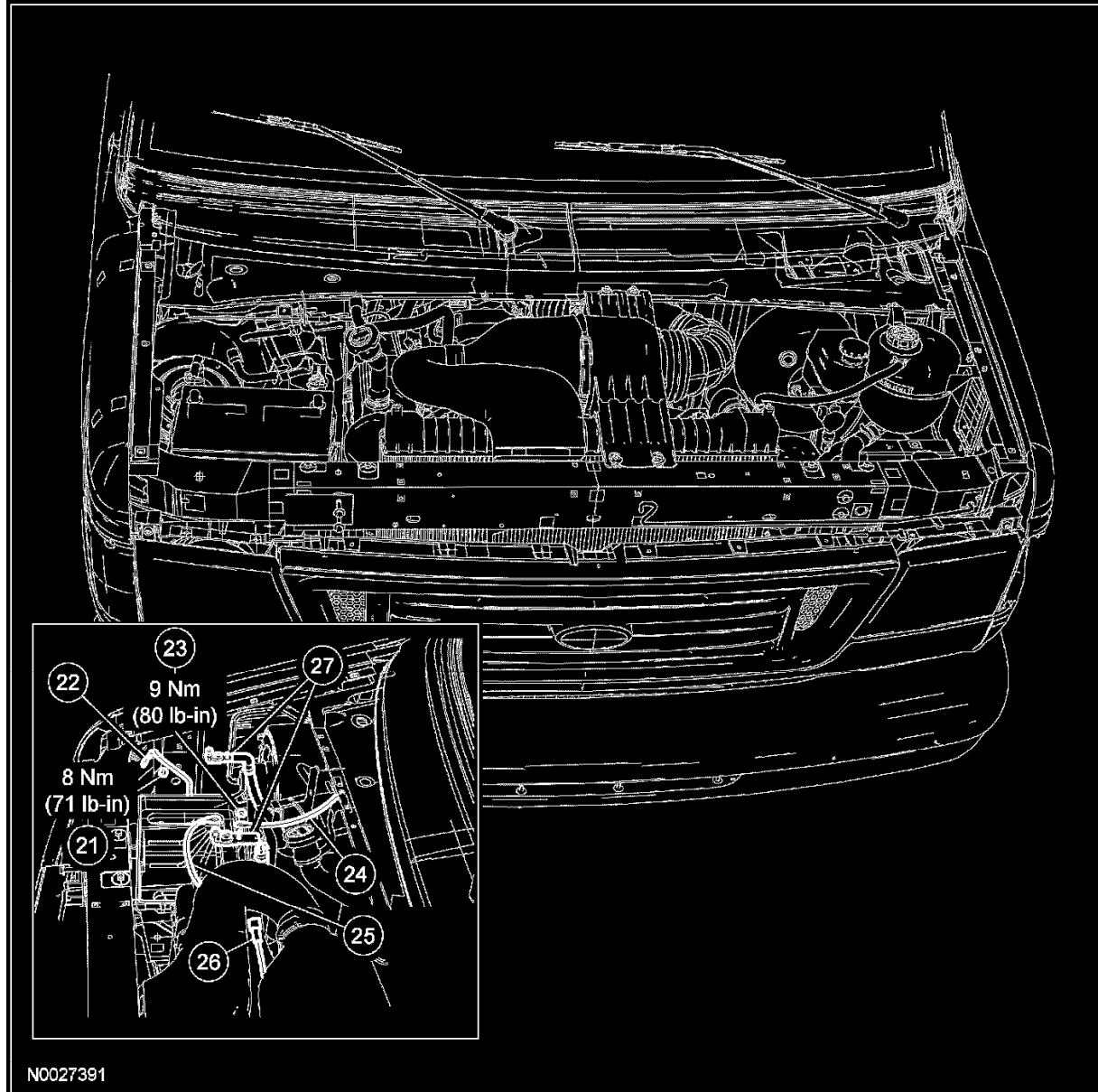
(Continued)

Underbody Connections (Part 1)

Item	Description
7	Frame-mounted battery terminal nuts (2 required)
8	Auxiliary battery harness-to-frame retainer bolt
9	Auxiliary battery harness-to-frame retainer
10	Harness locators (8 required)
11	Starter solenoid terminal cover
12	Starter solenoid positive cable terminal nut
13	Starter solenoid positive cable terminal
14	Starter solenoid wire terminal nut
15	Starter solenoid wire terminal
16	Battery ground cable terminal nut
17	Battery ground cable terminal
18	Battery cable lower bracket nut (4.6L)
18	Battery cable lower bracket nut (5.4L, 6.8L)
19	Battery cable lower bracket
20	Transmission cooler line clip
21	Harness locator

Underbody Connections (Part 2)

Underhood Connections



N0027391

Item	Description
21	Battery ground cable eyelet nut
22	Battery ground cable eyelet
23	Battery junction box (BJB) cable terminal nut
24	Generator cable terminal
25	BJB terminal
26	Starter solenoid wire in-line connector
27	Battery cable assembly

Underhood Connections

Removal and Installation

1. Disconnect the battery.
2. Remove the battery.
3. Remove the upper RH battery tray bolt.
 - To install, tighten to 40 Nm (30 lb-ft).

4. Loosen the 3 remaining battery tray bolts.
 - To install, tighten to **40 Nm (30 lb-ft)**.
5. Slide the battery tray up and to the right to disengage the battery tray from the 3 battery tray bolts and lower it onto the safety straps.
6. Remove the 2 nuts and bolts and position the battery tray cover aside.
 - To install, tighten to **7 Nm (62 lb-in)**.
7. Loosen the nuts and disconnect the battery terminals.
 - To connect, tighten to **15 Nm (11 lb-ft)**.
8. Remove the bolt and position the frame-mounted battery harness-to-frame retainer aside.
 - To install, tighten to **14 Nm (10 lb-ft)**.
9. Remove the 8 harness locators from the frame rail.
10. Remove the starter solenoid terminal cover.
11. Remove the nut and position the starter solenoid positive cable aside.
 - To install, tighten to **12 Nm (9 lb-ft)**.
12. Remove the nut and position the starter solenoid wire terminal aside.
 - To install, tighten to **5 Nm (44 lb-in)**.
13. Remove the nut and position the battery ground cable terminal aside.
 - To install, tighten to **23 Nm (17 lb-ft)**.
14. Remove the nut and position the battery cable lower bracket aside.
 - To install, tighten to **15 Nm (11 lb-ft)** (4.6L) or **55 Nm (41 lb-ft)** (5.4L, 6.8L).
15. Separate the transmission cooler line clip from the battery cable lower bracket.
16. Remove the harness locator from the frame.
17. Remove the nut and position the battery ground cable eyelet aside.
 - To install, tighten to **8 Nm (71 lb-in)**.
18. Remove the nut and position the generator cable and BJB terminals aside.
 - To install, tighten to **9 Nm (80 lb-in)**.
19. Remove the battery cable assembly.
20. To install, reverse the removal procedure.