

Component Procedures: Battery Cable

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Component Procedures: Battery Cable

Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
Negative Cable	92241442	Negative Cable	127.68	
Positive Cable	22886822	Positive Cable	371.24	

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Clean	Battery > Battery Terminals, Clean	C	0.3	0.0
Remove & Replace	Battery > Negative Cable, R&R	B	1.0	0.0
Remove & Replace	Battery > Positive Cable, R&R	B	1.8	1.2

Battery Negative Cable Disconnection and Connection (Article 11946)

Callout Component Name

Warning: Unless directed otherwise, the ignition must be OFF with the key removed, and all electrical loads must be OFF before servicing any electrical component. Disconnect the negative battery cable to prevent an electrical spark should a tool or equipment come in contact with an exposed electrical terminal. Failure to follow these precautions may result in personal injury and/or damage to the vehicle or its components. For Vehicles equipped with OnStar® (UE1) with Back Up Battery : The Back Up Battery is a redundant power supply to allow limited OnStar® functionality in the event of a main vehicle battery power disruption to the VCIM (OnStar®module). Do not disconnect the main vehicle battery or remove the OnStar® fuse with the ignition key in any position other than OFF. Retained accessory power should be allowed to time out or be disabled (simply opening the driver door should disable retained accessory power) before disconnecting power. Disconnecting power to the OnStar® module in any way while the ignition is On or with retained accessory power activated may cause activation of the OnStar® Back-Up Battery system and will discharge and permanently damage the back-up battery. Once the Back-Up Battery is activated it will stay on until it has completely discharged. The back-up battery is not rechargeable and once activated the back-up battery must be replaced. Preliminary Procedure Turn all lamps and accessories OFF. Turn the Ignition to the OFF position. Remove the spare tire and air compressor (P43),if equipped.

Preliminary Procedure

- Turn all lamps and accessories OFF.
- Turn the Ignition to the OFF position.
- Remove the spare tire and air compressor (P43),if equipped.

1 Negative Terminal Nut Caution: Refer to Fastener Caution . Tighten 15 Nm (11 lb ft)

15 Nm (11 lb ft)

2 Negative Battery Cable

Battery Negative Cable Replacement (Article 11947)

Callout Component Name

Warning: Unless directed otherwise, the ignition must be OFF with the key removed, and all electrical loads must be OFF before servicing any electrical component. Disconnect the negative battery cable to prevent an electrical spark should a tool or equipment come in contact with an exposed electrical terminal. Failure to follow these precautions may result in personal injury and/or damage to the vehicle or its components. For Vehicles equipped with OnStar® (UE1) with Back Up Battery : The Back Up Battery is a redundant power supply to allow limited OnStar® functionality in the event of a main vehicle battery power disruption to the VCIM (OnStar®module). Do not disconnect the main vehicle battery or remove the OnStar® fuse with the ignition key in any position other than OFF. Retained accessory power should be allowed to time out or be disabled (simply opening the driver door should disable retained accessory power) before disconnecting power. Disconnecting power to the OnStar® module in any way while the ignition is On or with retained accessory power activated may cause activation of the OnStar® Back-Up Battery system and will discharge and permanently damage the back-up battery. Once the Back-Up Battery is activated it will stay on until it has completely discharged. The back-up battery is not rechargeable and once activated the back-up battery must be replaced. Preliminary Procedures Turn all lamps and accessories OFF. Turn the Ignition to the OFF position. Remove the spare tire and air compressor (P43),if equipped. Disconnect the negative battery terminal. Refer to Battery Negative Cable Disconnection and Connection .

Preliminary Procedures

- Turn all lamps and accessories OFF.
 - Turn the Ignition to the OFF position.
 - Remove the spare tire and air compressor (P43), if equipped.
 - Disconnect the negative battery terminal. Refer to Battery Negative Cable Disconnection and Connection .
- 1 Negative Terminal Bolt Caution: Refer to Fastener Caution . Tighten 25 Nm (18 lb ft)
- 25 Nm (18 lb ft)
- 2 Negative Battery Cable

Battery Positive Cable Replacement (Article 11948)

Removal Procedure

- Disconnect the negative battery cable . Refer to Battery Negative Cable Disconnection and Connection .
- Remove the junction block cover (4). Click for full-size image
- Remove the junction block nut (3).
- Remove the positive battery to starter cable from the junction block terminal (1).
- Remove the positive battery cable (2).
- Disengage all remaining cable retainers under the hood.
- Remove the floor console. Refer to Front Floor Console Replacement .
- Remove rear seat lower cushion. Refer to Rear Seat Cushion Removal and Installation .
- Remove left side quarter trim panel. Refer to Quarter Trim Panel Replacement .
- Reposition rear compartment side trim panel as required.
- Disconnect the pass-through grommet (1) from the floor plenum. Click for full-size image
- Disconnect cable retainers (2) from the floor plenum.
- For coupe, working through the openings in the floor carpet, disconnect all remaining retainers (1). Click for full-size image
- Pull the battery positive cable through the carpet. Note the cable routing for installation purposes.
- For convertible, detach battery positive cable retainers (2) and pull the battery positive cable (1) through the seat back body panel. Click for full-size image
- Loosen the battery terminal nut (2). Click for full-size image
- Open the positive battery cable terminal cover.
- Remove the battery positive terminal.
- Pull the positive battery cable (1) from the passenger compartment into the trunk area.
- For convertible, loosen the battery terminal nut (1) and detach the battery positive cable retainer (2). Click for full-size image
- Pull the battery positive cable (4) through the seat back body panel (3).

Installation Procedure

- For coupe, install the battery positive cable (1) to the battery post and tighten battery positive cable nut (2) to 5.5 Nm (4 lb ft). . Click for full-size image
- Attach battery positive cable retainers to rear compartment and route cable through rear seat back body panel into rear passenger compartment.
- Attach battery positive cable retainers along left rear quarter trim area and in front of rear seat.
- For convertible, install the battery positive cable (4) to the battery positive post and tighten the clamp nut (1) to 5.5 Nm (4 lb ft). . Click for full-size image
- Attach the battery positive cable retainer (2) and route the cable through the seat back body panel (3).
- Route battery positive cable under floor carpet and attach retainers along the left side of floor console (1). Click for full-size image
- Install the pass-through grommet and fasten battery positive cable retainers to lower floor plenum.
- For convertible, route the battery positive cable (2) to the floor panel reinforcement with the retainers (1). Click for full-size image
- Feed the battery positive cable into the engine compartment through the plenum pass-through opening. Click for full-size image
- Install the pass-through grommet (1) and fasten the battery positive cable retainers (2) to the lower floor plenum.
- Route battery positive cable (2) along engine compartment and attach remaining fasteners. Click for full-size image
- Install battery positive cable to the junction block terminal.
- Install the battery positive starter cable (1) to the junction block terminal and tighten nut (3) to 15 Nm (11 lb ft) .
- Attach the positive battery cable terminal cover (4).
- Install left side quarter trim panel. Refer to Quarter Trim Panel Replacement .

- Install rear seat lower cushion. Refer to Rear Seat Cushion Removal and Installation .
- Install the floor console. Refer to Front Floor Console Replacement .
- Connect the negative battery cable. Refer to Battery Negative Cable Disconnection and Connection .

Engine Wiring and Battery Positive Cable Harness Replacement (LFX) (Article 11953)

Removal Procedure

- Disconnect the negative battery cable . Refer to Battery Negative Cable Disconnection and Connection .
- Remove the junction block cover (4). [Click for full-size image](#)
- Remove the junction block nut (3).
- Remove the engine harness and the battery positive cable terminal from the junction block terminal (1).
- Remove the engine harness and the battery positive cable (2).
- Remove the battery positive cable terminal (2) and the junction nut (1), from the fuse block . [Click for full-size image](#)
- Remove the starter heat shield. Refer to Starter Shield Replacement . [Click for full-size image](#)
- Remove the battery positive cable nut (1) and the battery positive cable terminal (2), from the starter .
- Remove the battery positive cable generator nut (1) and the battery positive cable terminal (2), from the generator. [Click for full-size image](#)
- Remove the nuts (1) retaining the engine harness to the oil pan. [Click for full-size image](#)
- Disconnect the remaining fasteners (2) that hold the harness to the frame.
- Remove the engine and battery positive cable harness from the engine compartment.

Installation Procedure

- Fasten the engine harness and the battery positive cable to the engine compartment and tighten the harness retainers (1) to 12 Nm (9 lb ft) . [Click for full-size image](#)
- Install the battery positive cable terminal (2) and the generator nut (1). Tighten to 15 Nm (11 lb ft) . [Click for full-size image](#)
- Install the battery positive cable terminal (2) and nut (1) to the starter. Tighten to 13 Nm (10 lb ft) . [Click for full-size image](#)
- Install the engine harness and the battery positive cable terminal (1) to the junction block. Tighten the junction block nut (3) to 15 Nm (11 lb ft) . [Click for full-size image](#)
- Install the battery positive cable terminal (2) to the fuse block. Tighten the fuse block nut (1) to 15 Nm (11 lb ft) . [Click for full-size image](#)
- Install the fuse block cover.
- Connect the negative battery cable . Refer to Battery Negative Cable Disconnection and Connection .

All Technical Service Bulletins (itype_100)

Tsbs

- #17-NA-032: Information On Negative Battery Cable Alignment Pin Change - (Feb 2, 2017) (17-NA-032, 2017/02/02)

Improper Alignment (itype_145)

Tsbs

- #17-NA-032: Information On Negative Battery Cable Alignment Pin Change - (Feb 2, 2017) (17-NA-032, 2017/02/02)