

PUBLISHED: 07-JAN-2020
2020.0 DEFENDER (LE), 418-00

MODULE COMMUNICATIONS NETWORK

BATTERY JUNCTION BOX (G2323859)

mcx30.com

REMOVAL

**NOTES:**

- This procedure contains some variation in the illustrations depending on the vehicle specification, but the essential information is always correct.
- This procedure contains illustrations showing certain components removed to provide extra clarity.

1. Disconnect the startup battery ground cable.

Refer to: [Startup Battery Disconnect and Connect](#) (414-00 Battery and Charging System - General Information, General Procedures).

2. Remove the front row right seat.

Refer to: [Front Row Seat - Vehicles With: Power Seats](#) (501-10 Seating, Removal and Installation).

Refer to: [Front Row Seat - Vehicles Without: Power Seats](#) (501-10 Seating, Removal and Installation).

3. Remove the floor console.

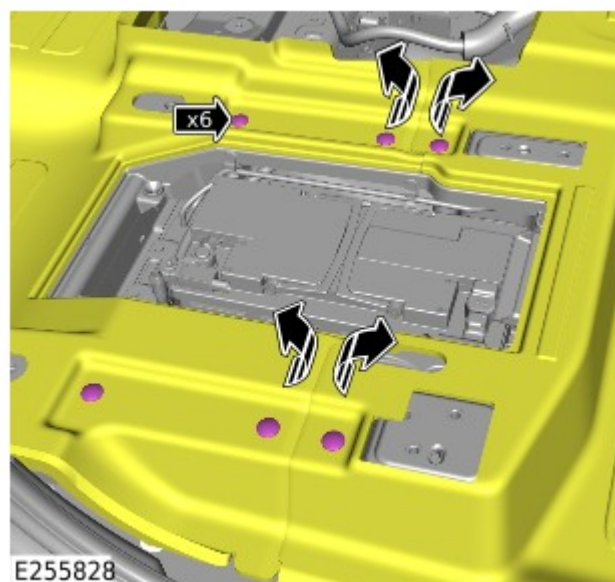
Refer to: [Floor Console - Vehicles Without: Stowage Compartment](#) (501-12 Instrument Panel and Console, Removal and Installation).

Refer to: [Floor Console - Vehicles With: Stowage Compartment](#) (501-12 Instrument Panel and Console, Removal and Installation).

4. Remove the front right tread plate.

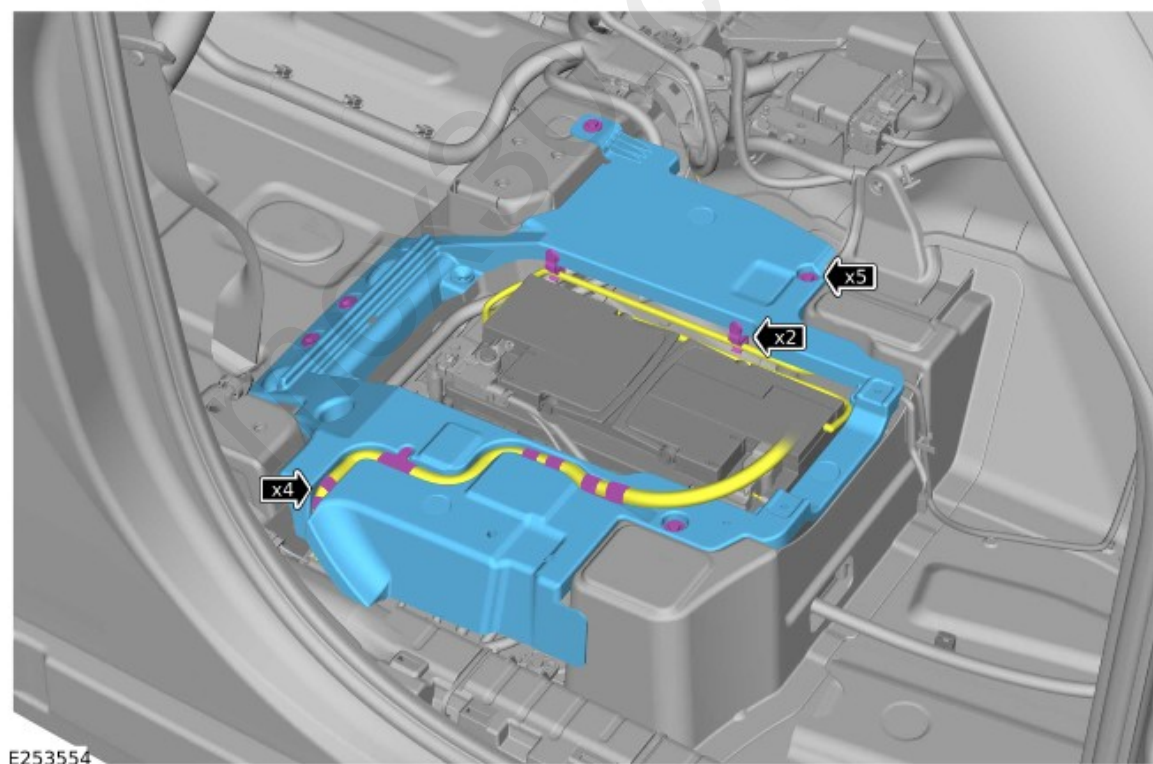
Refer to: [Front Treadplate](#) (501-05 Interior Trim and Ornamentation, Removal and Installation).

5.

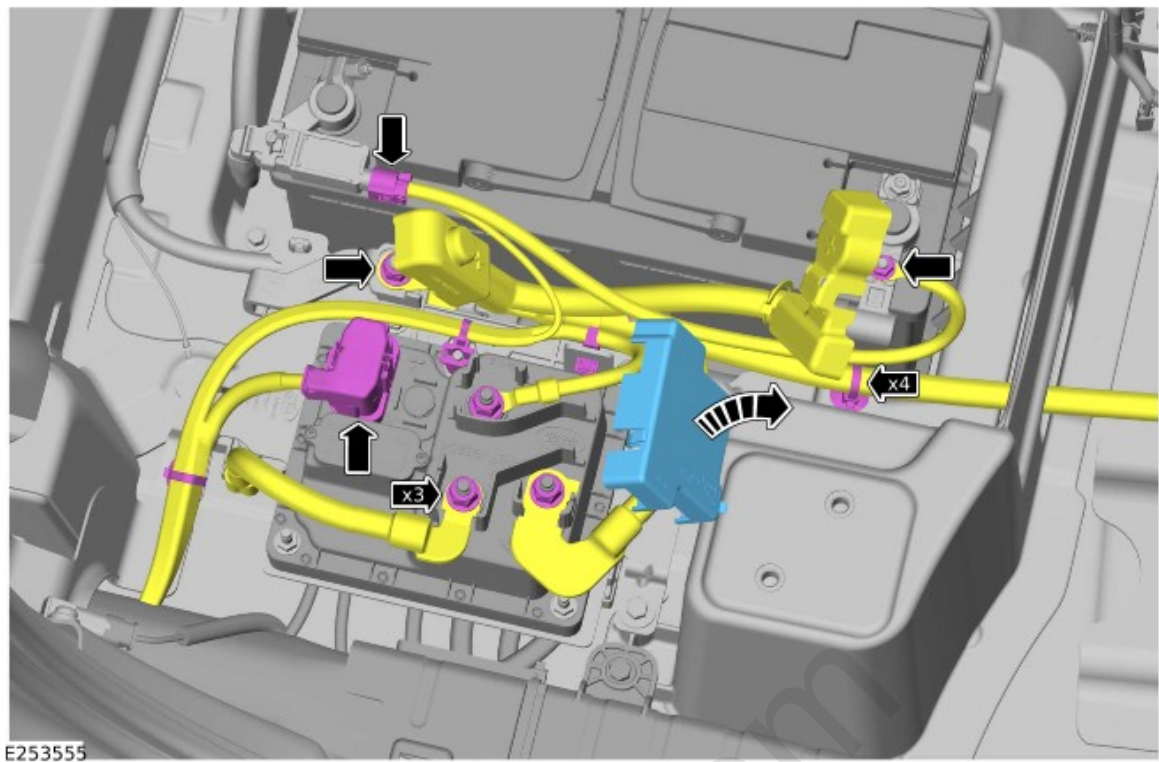


- Release the 6 clips.
- Reposition the 2 floor mats as illustrated.

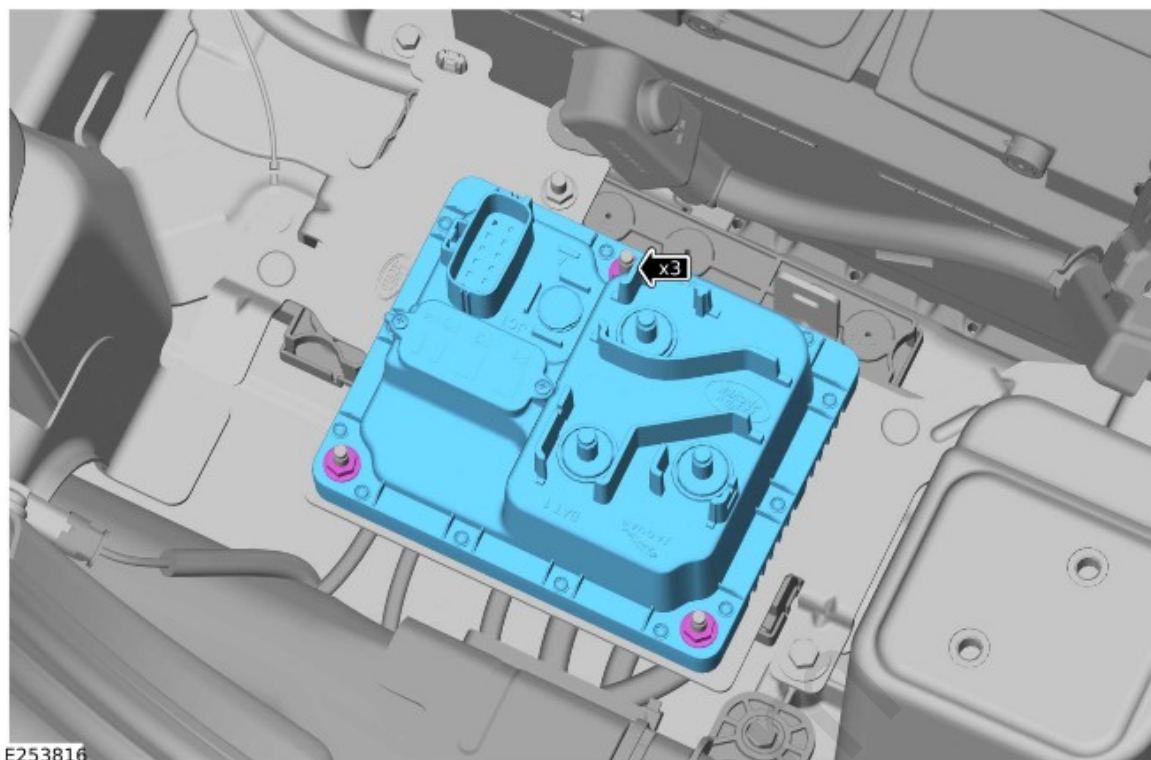
6.



- Release the 4 front right seat link harness clips.
- Release the 2 startup battery breather pipe clips.
- Remove the 5 bolts.
- Remove the front right carpet bracket.

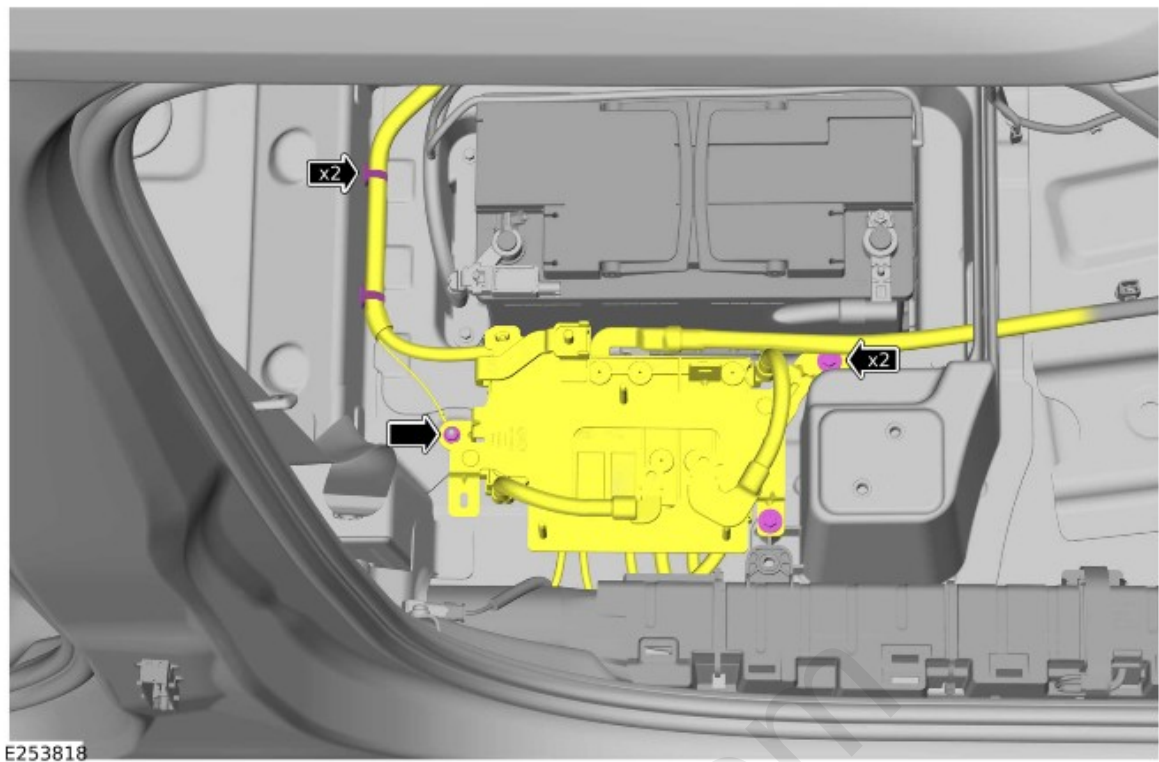


- Disconnect the Battery Monitoring System (BMS) electrical connector.
- Release the access cover and remove the positive terminal battery cable nut.
- Remove the access cover and remove the 3 Power Supply Distribution Box (PSDB) battery cable nuts.
- Disconnect the PSDB electrical connector.
- Release the access cover and remove the Battery Junction Box (BJB) battery cable nut.
- Release the 4 wiring harness clips.



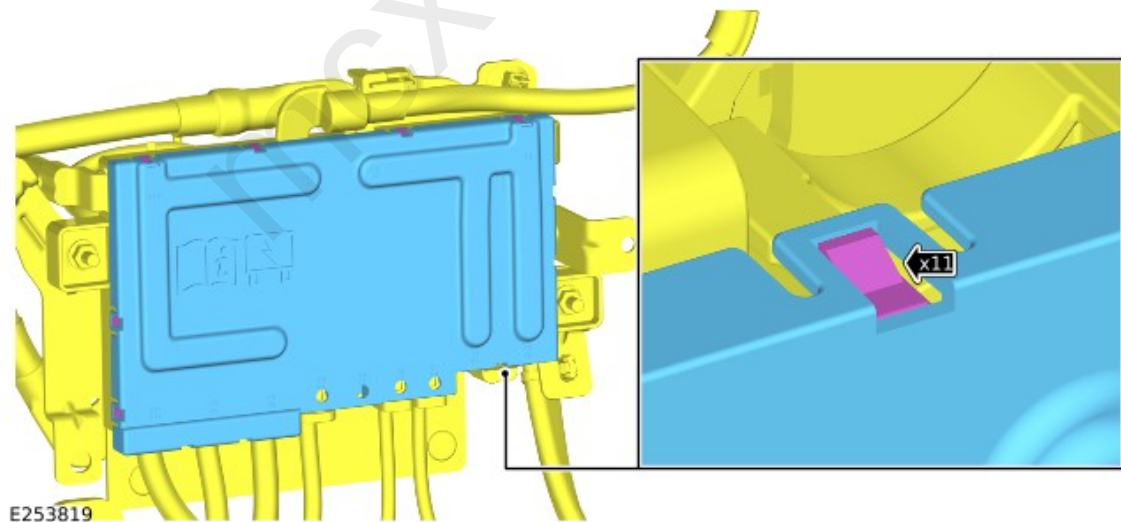
- Remove the 3 nuts.
- Remove the PSDB.

9.

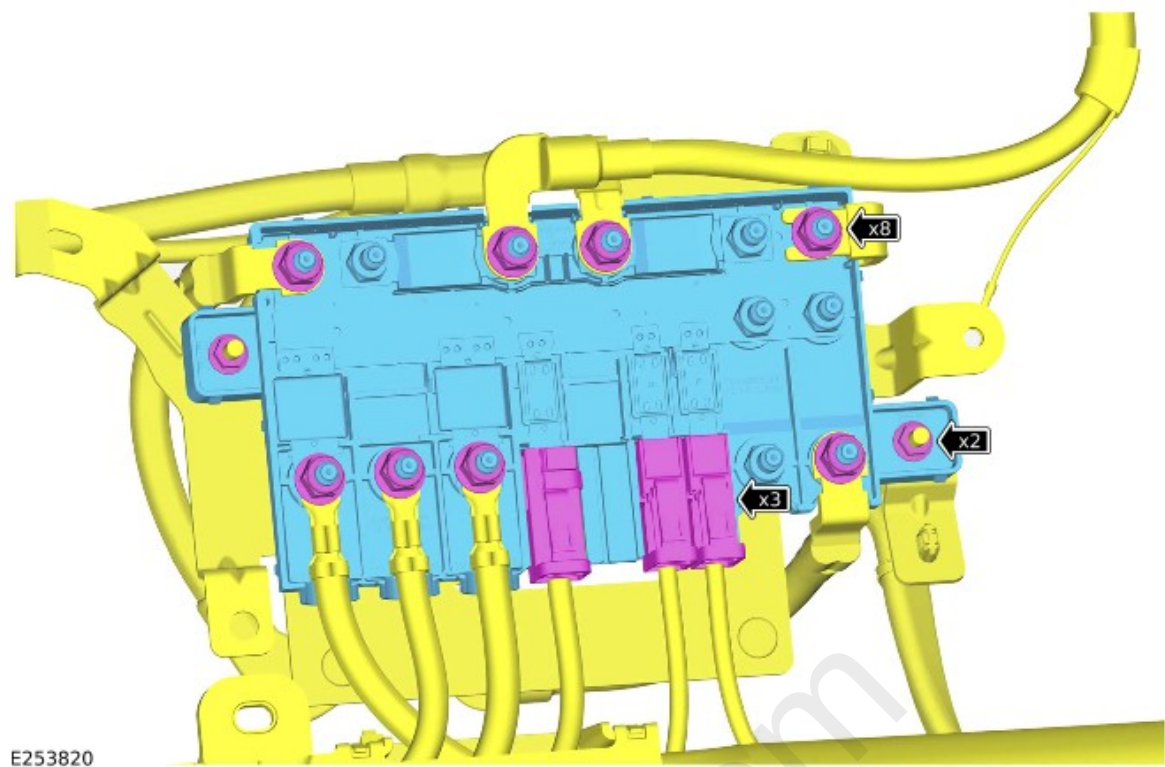


- Remove the 2 BJB bracket bolts.
- Remove the BJB bracket nut.
- Release the 2 wiring harness clips.

10.



- Release the 11 clips.
- Remove the BJB access cover.



- Disconnect the 3 BJB connectors.
- Remove the 8 battery cable nuts.
- Remove the 2 BJB nuts.
- Remove the BJB.

INSTALLATION

1.

- Install the BJB.
- Connect the 3 BJB connectors.
- Reposition the battery cables into the correct location.
- Install and tighten the 8 battery cable nuts.
Torque: 12Nm
- Install and tighten the 2 BJB nuts.
Torque: 7Nm
- Install the BJB access cover.

2.

- Install and tighten the 2 BJB bracket bolts.
Torque: 10Nm
- Install and tighten the BJB bracket nut.
Torque: 10Nm
- Install the 2 wiring harness clips.

3.

- Install the Power Supply Distribution Box (PSDB).
- Install and tighten the 3 nuts.
Torque: 9Nm

4.

- Connect the PSDB electrical connector.
- Install and tighten the 3 PSDB battery cable nuts.
Torque: 9Nm
- Install the access cover.
- Install and tighten the positive terminal battery cable nut.
Torque: 10Nm
- Install the access cover.
- Connect the Battery Monitoring System (BMS) electrical connector.
- Install the BJB battery cable nut.
Torque: 12Nm
- Install the access cover.
- Install the 4 wiring harness clips.

5.

- Install the front right carpet bracket.
- Install and tighten the 5 bolts.
Torque: 7Nm
- Install the 2 startup battery breather pipe clips.
- Install the 4 front right seat link harness clips.

6.

- Reposition the 2 floor mats into the correct location.
- Install the 6 clips.

7.

Install the front right treadplate.

Refer to: [Front Treadplate](#) (501-05 Interior Trim and Ornamentation, Removal and Installation).

8.

Install the floor console.

Refer to: [Floor Console - Vehicles Without: Stowage Compartment](#) (501-12 Instrument Panel and Console, Removal and Installation).

Refer to: [Floor Console - Vehicles With: Stowage Compartment](#) (501-12 Instrument Panel and Console, Removal and Installation).

9.

Install the front row right seat.

Refer to: [Front Row Seat - Vehicles With: Power Seats](#) (501-10 Seating, Removal and Installation).

Refer to: [Front Row Seat - Vehicles Without: Power Seats](#) (501-10 Seating, Removal and Installation).

10.

Connect the startup battery ground cable.

Refer to: [Startup Battery Disconnect and Connect](#) (414-00 Battery and Charging System - General Information, General Procedures).