

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD2E
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): BATTERY: PRECAUTION; 2020 MY Supra [03/2019 -]		

PRECAUTION

BATTERY PRECAUTION

- Do not exceed the maximum charging voltage of 14.8 V when charging an battery!
- Do not use rapid-charging!
- Recommended temperature for charging 15 to 25°C
- The battery is sufficiently charged when the charge current drops below 2.5 amperes.
- Do not connect the battery charger to the 12 V power socket!
- Only charge the battery via the jump starting positive battery terminal point.

Note for Service:

- Do not open battery.

Caution! Danger of destruction to battery state sensor assembly and wiring upon battery replacement:

- Do not introduce any additional connections at the battery negative terminal.
- Do not modify the earth wire.
- Do not use force when disconnecting the earth wire from the battery terminal.
- Do not place any tools under the battery state sensor assembly to lever off the earth wire.
- Do not use battery state sensor assembly connections as levers.
- Avoid contact between battery state sensor assembly and ground.

HINT:

Only exchange the battery state sensor assembly when there is a corresponding fault code entry!

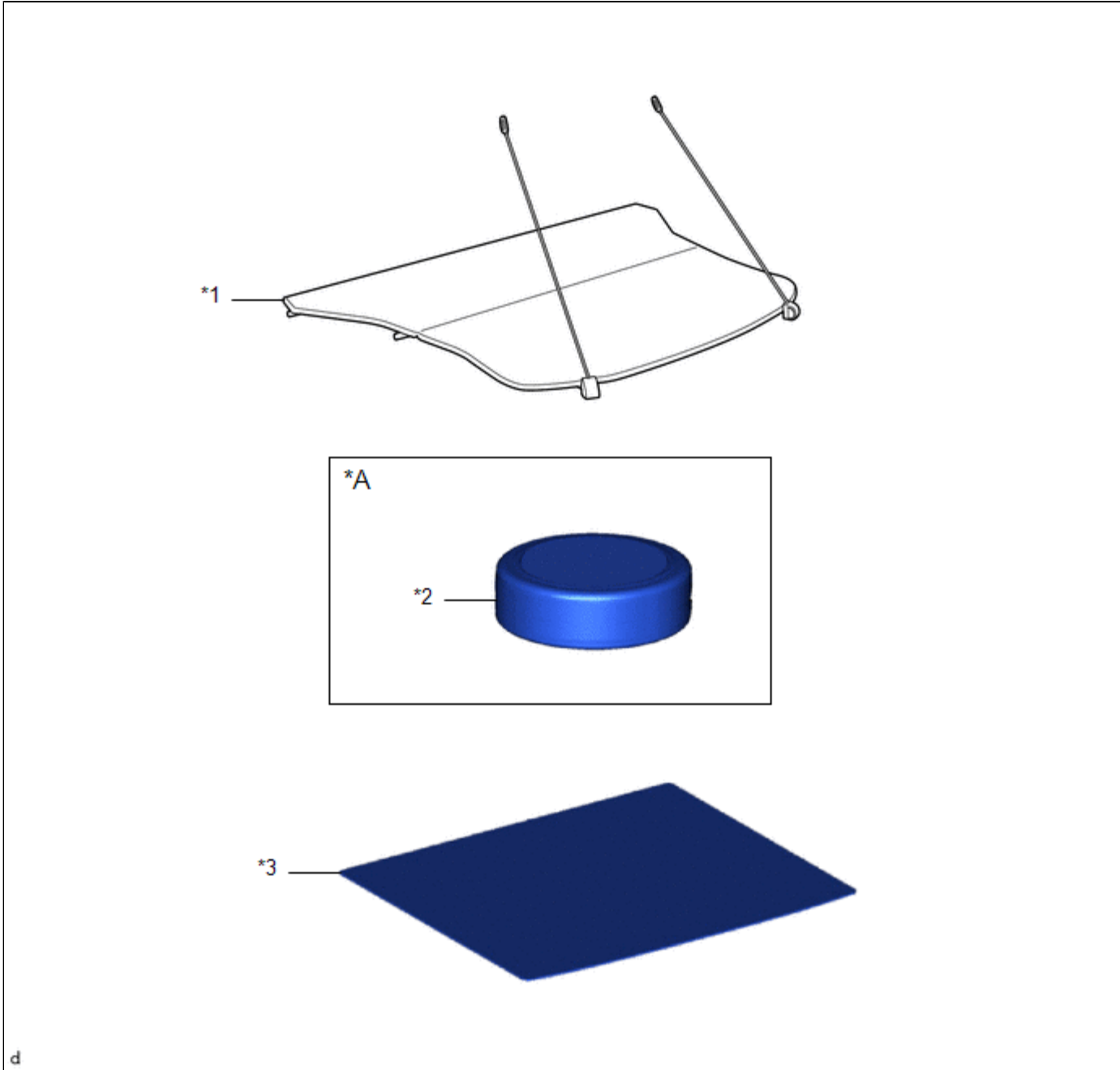


TOYOTA

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD2B
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): BATTERY: COMPONENTS; 2020 MY Supra [03/2019 -]		

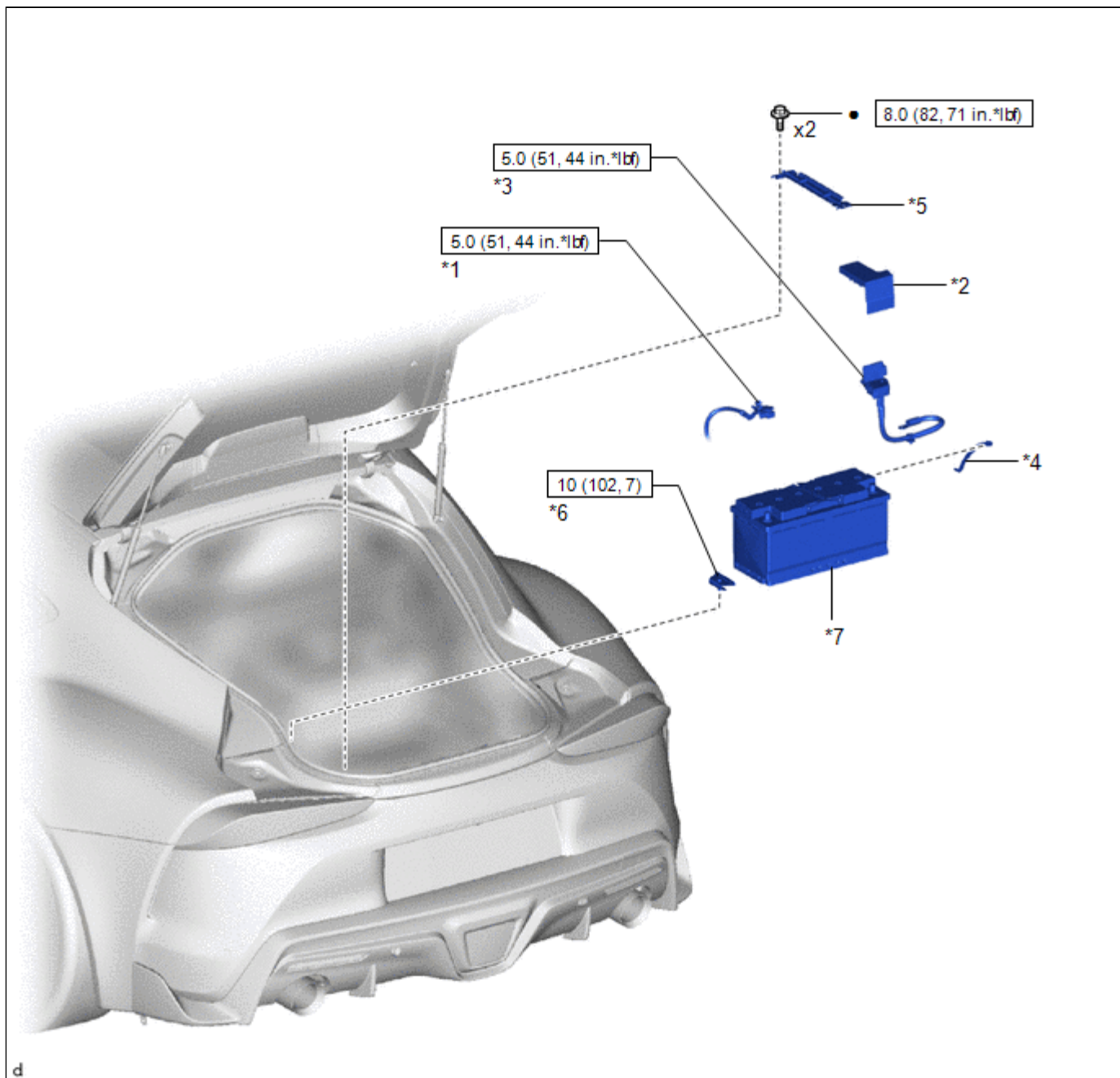
COMPONENTS

ILLUSTRATION



*A	w/ Spare Tire	-	-
*1	TONNEAU COVER ASSEMBLY	*2	SPARE TIRE
*3	LUGGAGE COMPARTMENT FLOOR CARPET	-	-

ILLUSTRATION



d

*1	NO. 3 EARTH WIRE	*2	CONNECTOR COVER
*3	SAFETY BATTERY TERMINAL	*4	BATTERY HOSE
*5	BRACKET	*6	BATTERY HOLDER
*7	BATTERY	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD2C
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): BATTERY: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

Click here [INFO](#)



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD2D
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): BATTERY: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

CAUTION / NOTICE / HINT

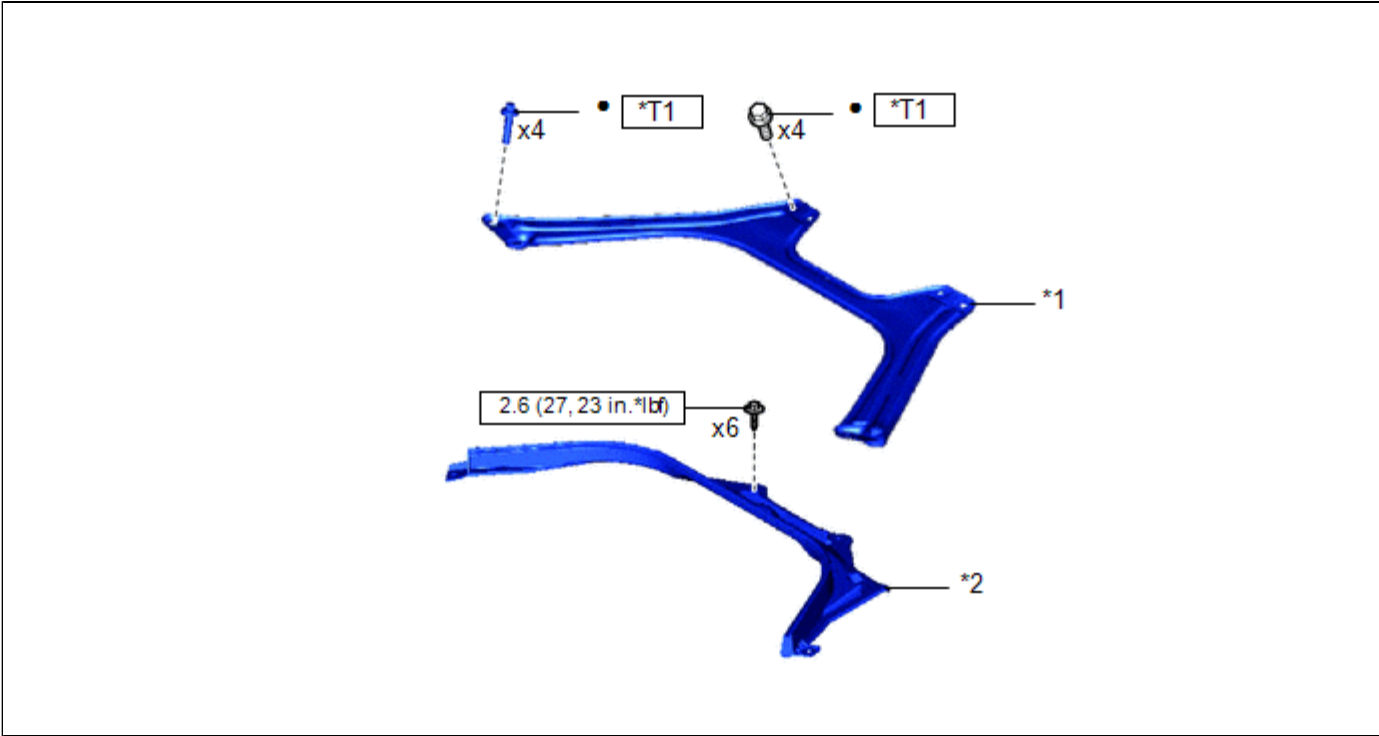
Click here [INFO](#)



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD2M
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): FRONT POWER DISTRIBUTION BOX: COMPONENTS; 2020 MY Supra [03/2019 -]		

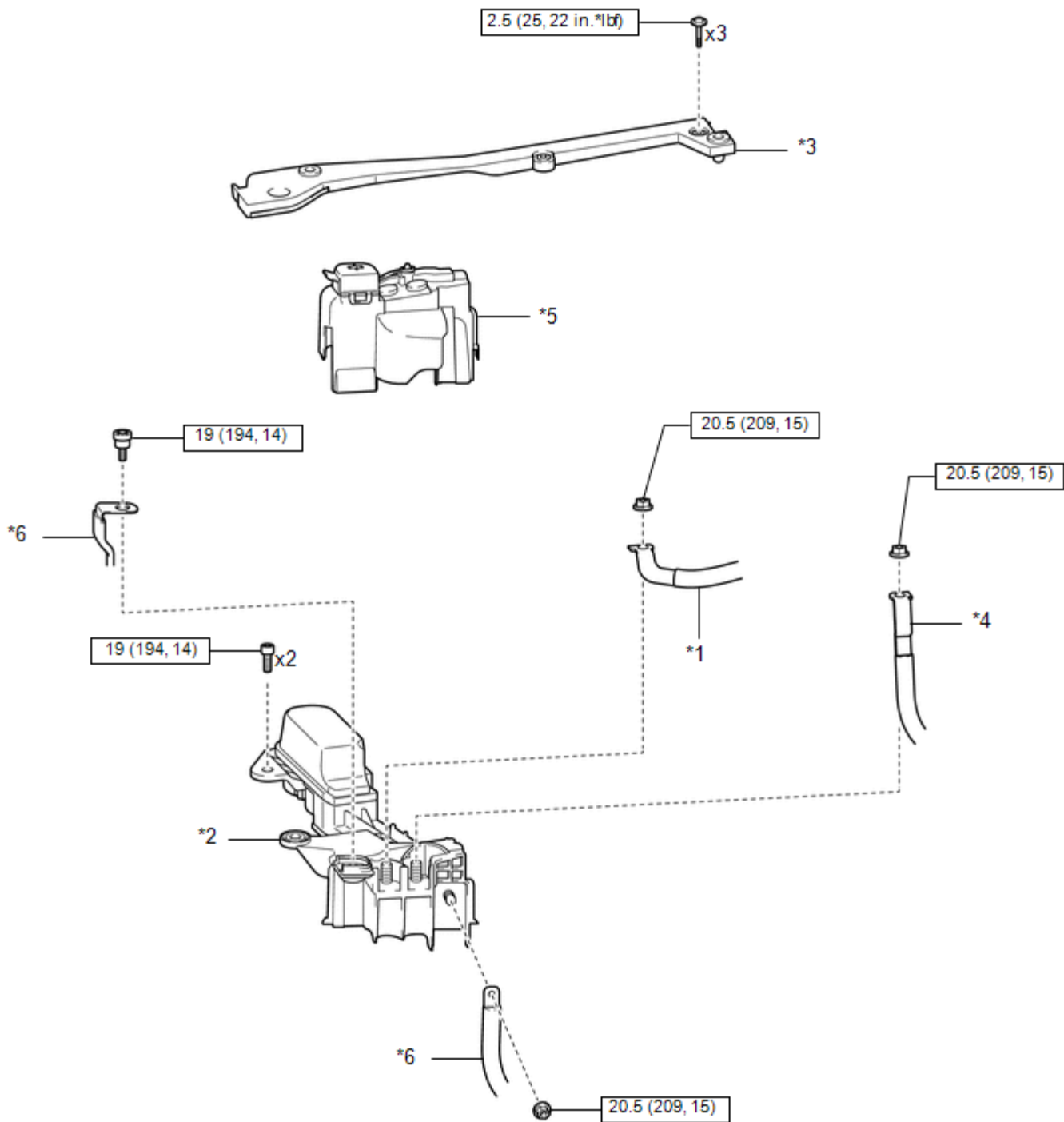
COMPONENTS

ILLUSTRATION



*1	FRONT SUSPENSION UPPER CENTERBRACE	*2	COWL TOP VENTILATOR LOUVERPROTECTOR
	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part
*T1	1st: 56 (571, 41) 2nd: Turn 90°	-	-

ILLUSTRATION



d

*1	GENERATOR WIRE	*2	FRONT POWER DISTRIBUTION BOX
*3	SEALING FRAME	*4	STARTER WIRING ASSEMBLY
*5	TERMINAL COVER	*6	NO. 5 FLOOR WIRE
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD2N
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): FRONT POWER DISTRIBUTION BOX: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Working on 12 V vehicle electrical system.

Risk of short circuits! Risk of fire!

- Disconnect the cable from the negative (-) battery terminal.

PROCEDURE

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

Click here [INFO](#)

2. REMOVE FRONT SUSPENSION BRACE UPPER CENTER

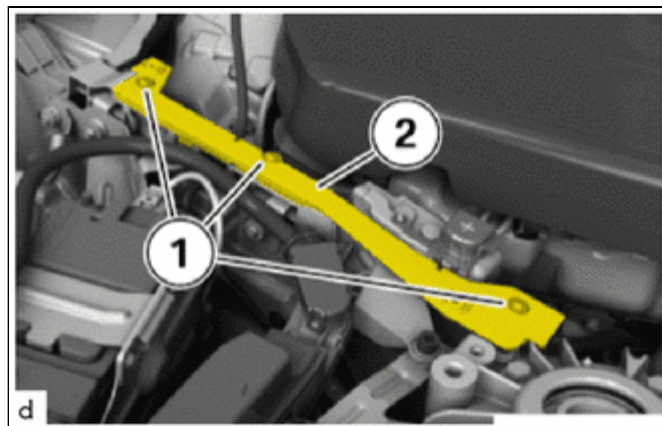
Click here [INFO](#)

3. REMOVE COWL TOP VENTILATOR LOUVER PROTECTOR

Click here [INFO](#)

4. REMOVE SEALING FRAME

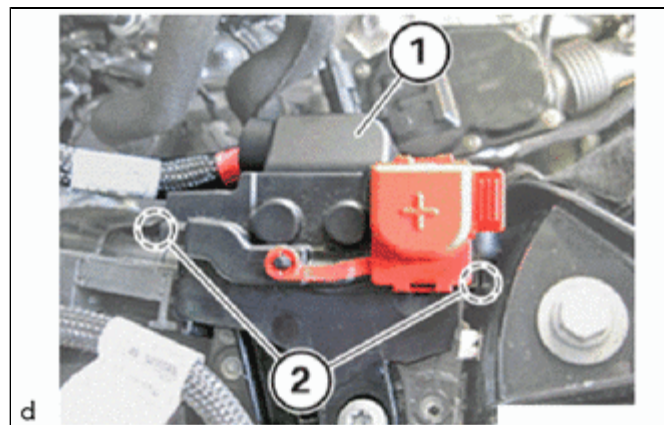
(a) Loosen T25 screws (1).



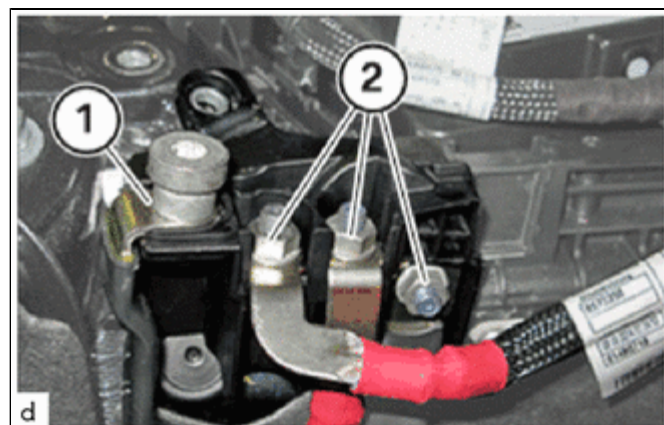
(b) Guide out sealing frame (2) upwards.

5. REMOVE FRONT POWER DISTRIBUTION BOX

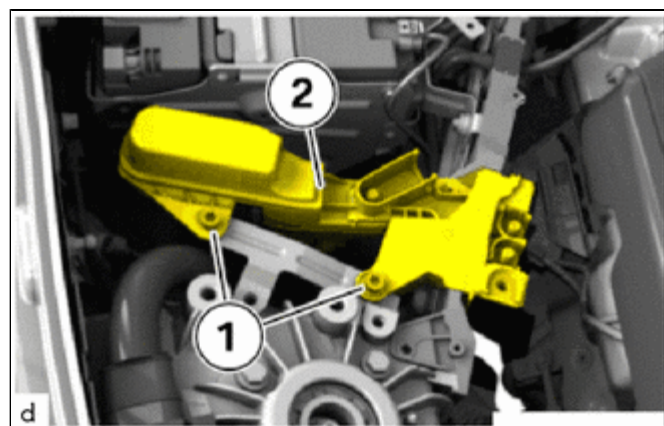
(a) Loosen the cover for the jump start point (1) with the latch mechanisms (2) and remove upwards.



(b) Loosen the T50 bolt (1) and guide out the No.5 floor wire.



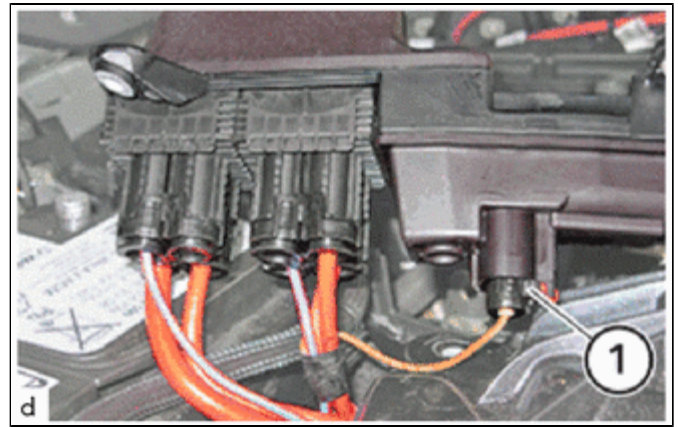
(c) Loosen the nuts (2) and guide out the generator wire, starter wiring assembly and No. 5 front wire.



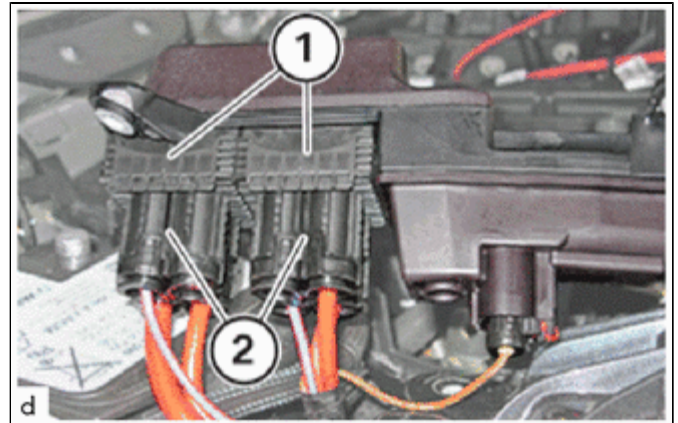
(d) Loosen T45 bolts (1).

(e) Guide out the front power distribution box (2) of the positive battery cable.

(f) Unlock and disconnect connector (1).



(g) Lever out the latch mechanisms (1) at the connectors (2).



(h) Pull off the connectors (2).

(i) Remove the front power distribution box of the positive battery cable.

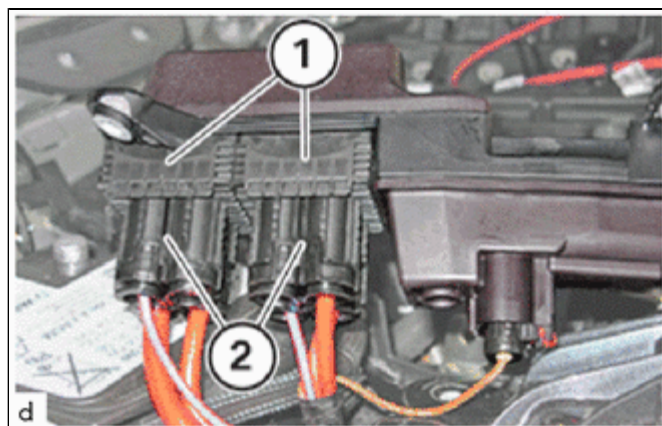
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD2O
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): FRONT POWER DISTRIBUTION BOX: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL FRONT POWER DISTRIBUTION BOX

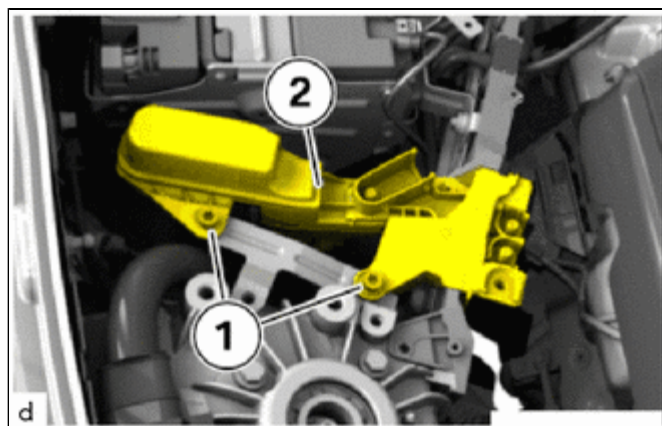
(a) Position front power distribution box to the positive battery cable.



(b) Connect connector (2) and close the lock (1).

(c) Connect connector and lock.

(d) Feed in front power distribution box (2) downward.



(e) Tighten the T45 bolts (1).

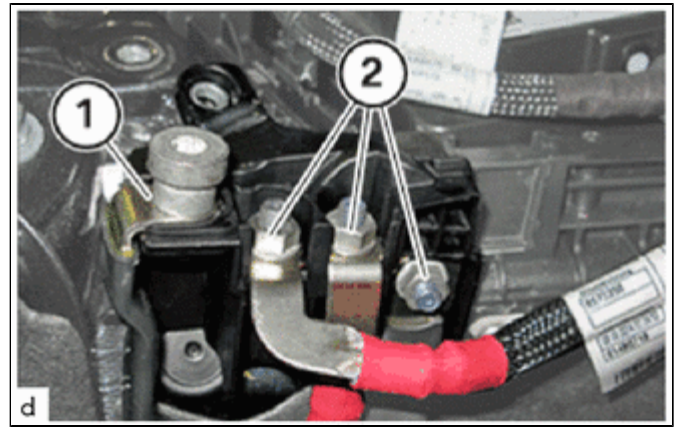
Torque:

19 N·m {194 kgf·cm, 14 ft·lbf}

(f) Insert the No.5 floor wire and tighten the T50 bolt (1).

Torque:

19 N·m {194 kgf·cm, 14 ft·lbf}

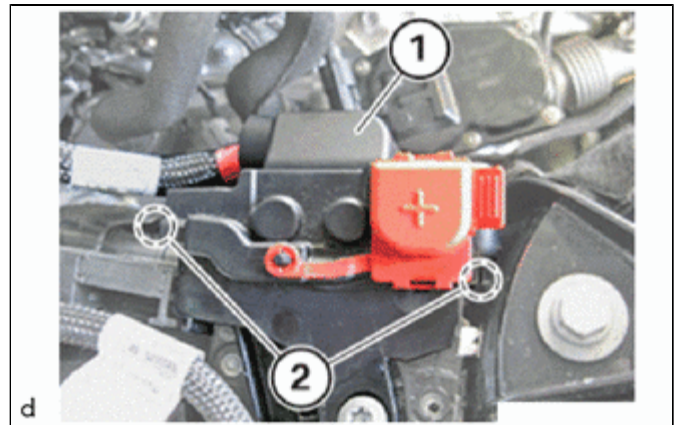


(g) Feed in generator wire, starter wiring assembly and No. 5 front wire and tighten nuts (2).

Torque:

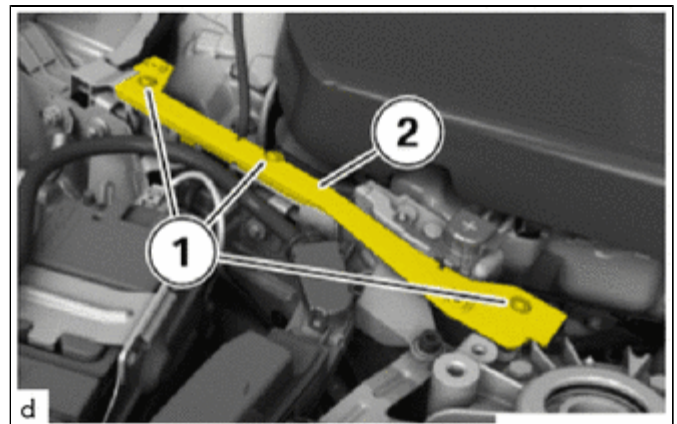
20.5 N·m {209 kgf·cm, 15 ft·lbf}

(h) Position cover for the jump start point (1) and clip it with the latch mechanisms (2).



2. INSTALL SEALING FRAME

(a) Feed in sealing frame (2).



(b) Tighten the T25 screws (1).

Torque:

2.5 N·m {25 kgf·cm, 22 in·lbf}

3. INSTALL COWL TOP VENTILATOR LOUVER PROTECTOR

Click here [INFO](#)

4. INSTALL UPPER FRONT SUSPENSION CENTER BRACE

Click here [INFO](#)

5. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

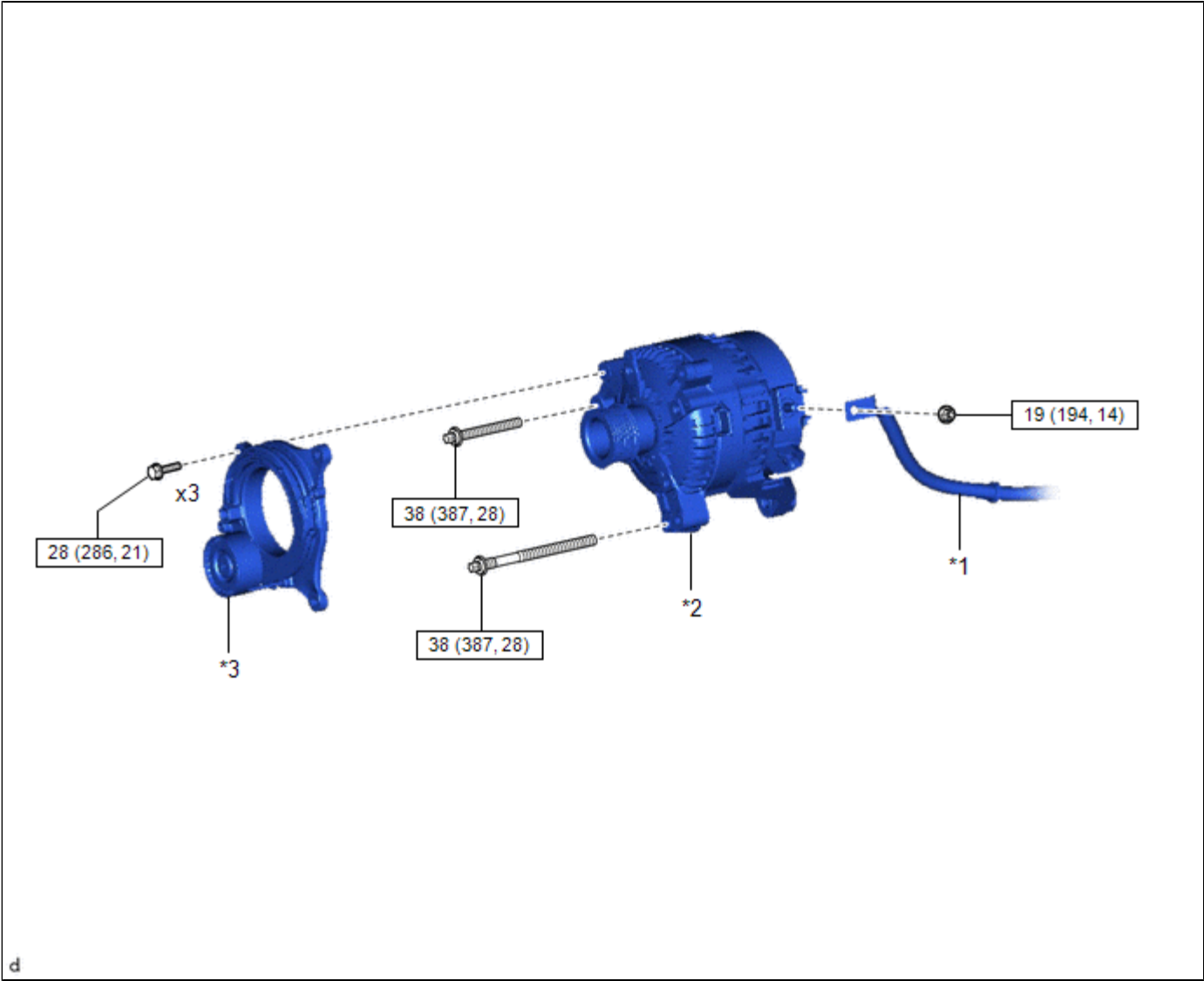
Click here [INFO](#)



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD25
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): GENERATOR: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	GENERATOR WIRE	*2	GENERATOR ASSEMBLY
*3	V-RIBBED BELT TENSIONER ASSEMBLY	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD26
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): GENERATOR: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

PROCEDURE

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

Click here [INFO](#)

2. REMOVE FAN AND GENERATOR V BELT

Click here [INFO](#)

3. REMOVE NO. 2 AIR CLEANER HOSE

Click here [INFO](#)

4. REMOVE GENERATOR ASSEMBLY

CAUTION:

- Working on 12 V vehicle electrical system.

Risk of short circuits! Risk of fire!

- Disconnect the cable from the negative (-) battery terminal.

- Hot surfaces.

Risk of burning!

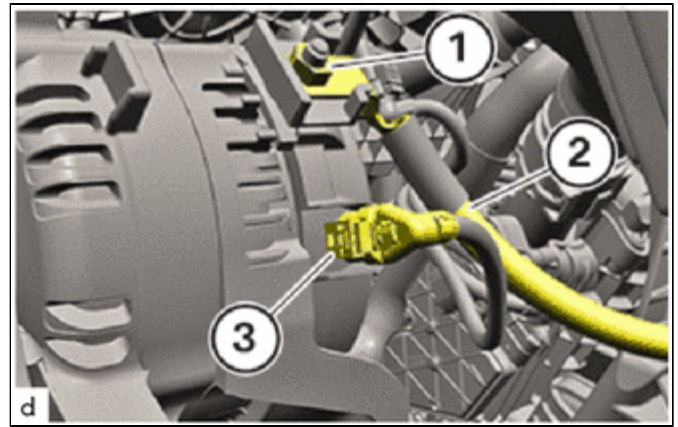
- Perform all work only on components that have cooled down.

NOTICE:

- Electrostatic discharge.
- Damage to or destruction of electrical components.
 - Leave electrical components in original packaging until just before they are installed. Use the original packaging only for any return shipments. Always package removed components straight away.
 - Only touch the housings of electrical components. Do not touch pins or multi-pin connectors directly.
 - Wear electrically conductive clothing and antistatic shoes (with ESD symbol).
 - For additional information see:

Click here [INFO](#)

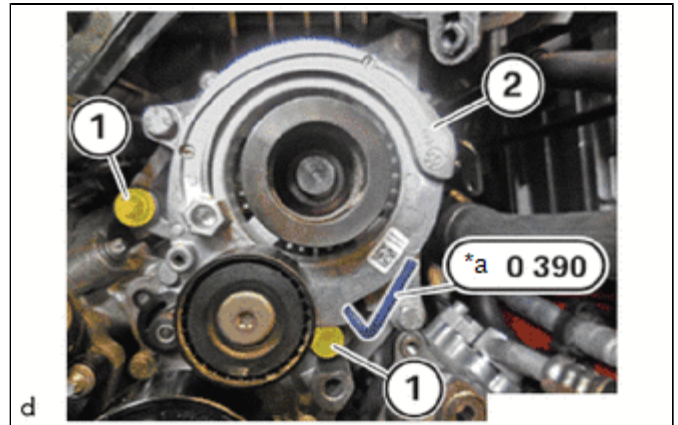
(a) Unfasten nut (1).



(b) Thread out generator wire (2) and set it aside.

(c) Unlock and loosen connector (3).

(d) Make sure that the 4 mm hexagon wrench is fitted correctly.



*a	4 mm Hexagon Wrench
----	---------------------

(e) Loosen E12 bolts (1).

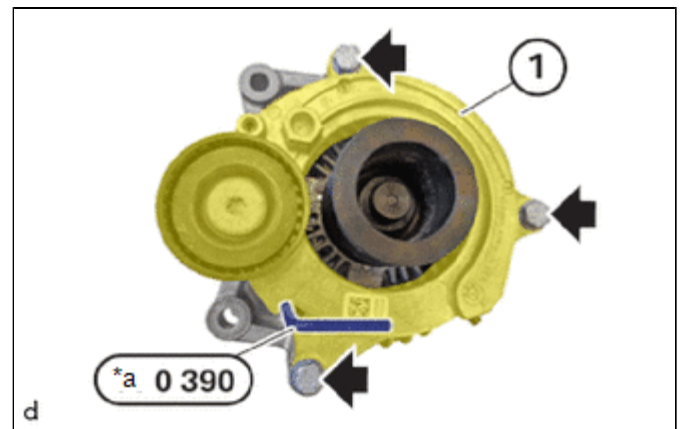
(f) Guide out generator assembly (2) and remove.

5. REMOVE V-RIBBED BELT TENSIONER ASSEMBLY

CAUTION:

- Danger of injury!
 - Reduce preload as far as possible before disassembly. Relieve component.

(a) Remove bolts (arrows).



*a	4 mm Hexagon Wrench
----	---------------------

- (b) Guide out v-ribbed belt tensioner assembly (1) and remove.
- (c) Make sure that the 4 mm hexagon wrench is fitted correctly.

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD27
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): GENERATOR: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

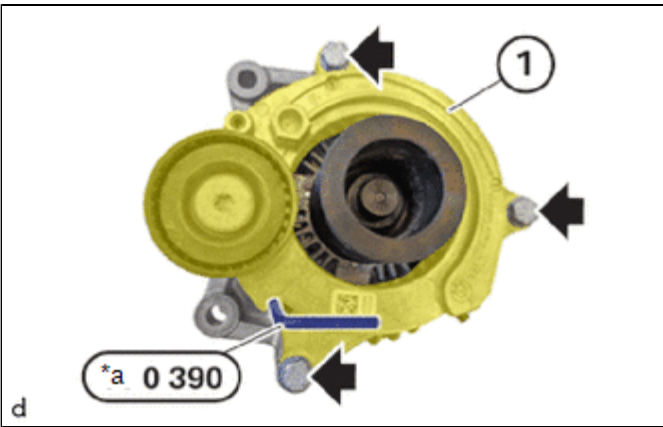
PROCEDURE

1. INSTALL V-RIBBED BELT TENSIONER ASSEMBLY

CAUTION:

- Danger of injury!
 - Reduce preload as far as possible before disassembly. Relieve component.

(a) Guide in and install the V-ribbed belt tensioner assembly (1).



*a	4 mm Hexagon Wrench
----	---------------------

(b) Tighten bolts (arrows).

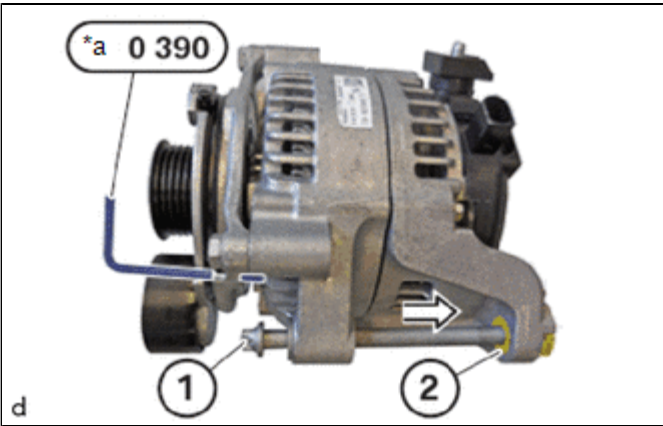
Torque:

28 N·m {286 kgf·cm, 21 ft·lbf}

(c) Make sure that the 4 mm hexagon wrench is fitted correctly.

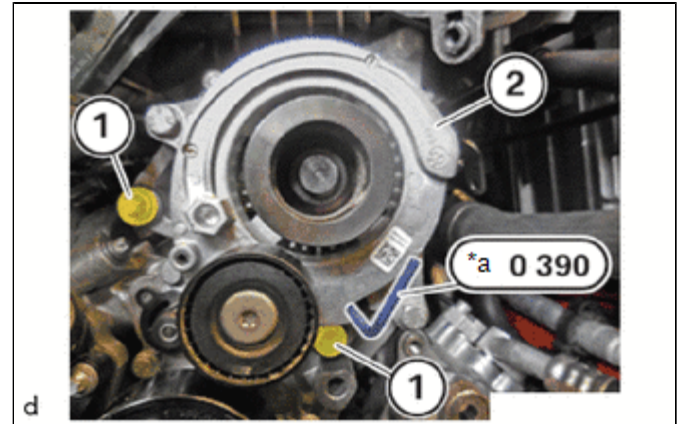
2. INSTALL GENERATOR ASSEMBLY

(a) Make sure that the 4 mm hexagon wrench is fitted correctly.



*a	4 mm Hexagon Wrench
----	---------------------

- (b) Slightly push back the threaded support sleeve (2) in the direction of the arrow to facilitate the installation of the generator assembly.
- (c) Screw bolt (1) into the threaded support sleeve (2).
- (d) Press back the threaded support sleeve (2) using the bolt (1).
- (e) Once again unscrew the bolt (1) from the threaded support sleeve (2).



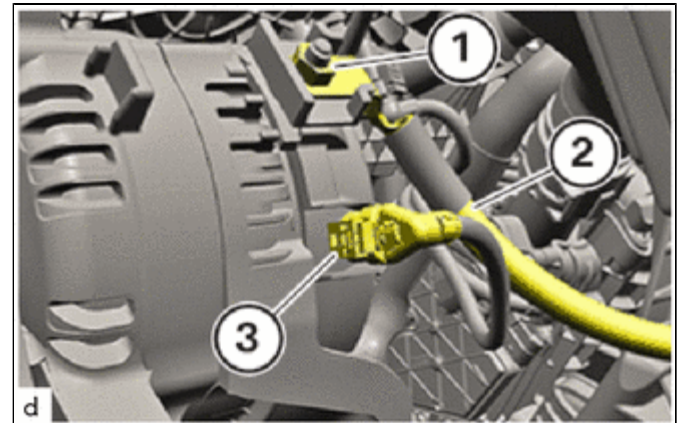
*a	4 mm Hexagon Wrench
----	---------------------

- (g) Tighten the E12 bolts (1).

Torque:

38 N·m {387 kgf·cm, 28 ft·lbf}

- (h) Insert and install the generator wire (2).



- (i) Tighten nut (1).

Torque:

19 N·m {194 kgf·cm, 14 ft·lbf}

- (j) Connect and lock the connector (3).

HINT:

The connector (3) must engage audibly.

3. INSTALL NO. 2 AIR CLEANER HOSE

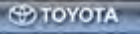
Click here [INFO](#)

4. INSTALL FAN AND GENERATOR V BELT

Click here [INFO](#)

5. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

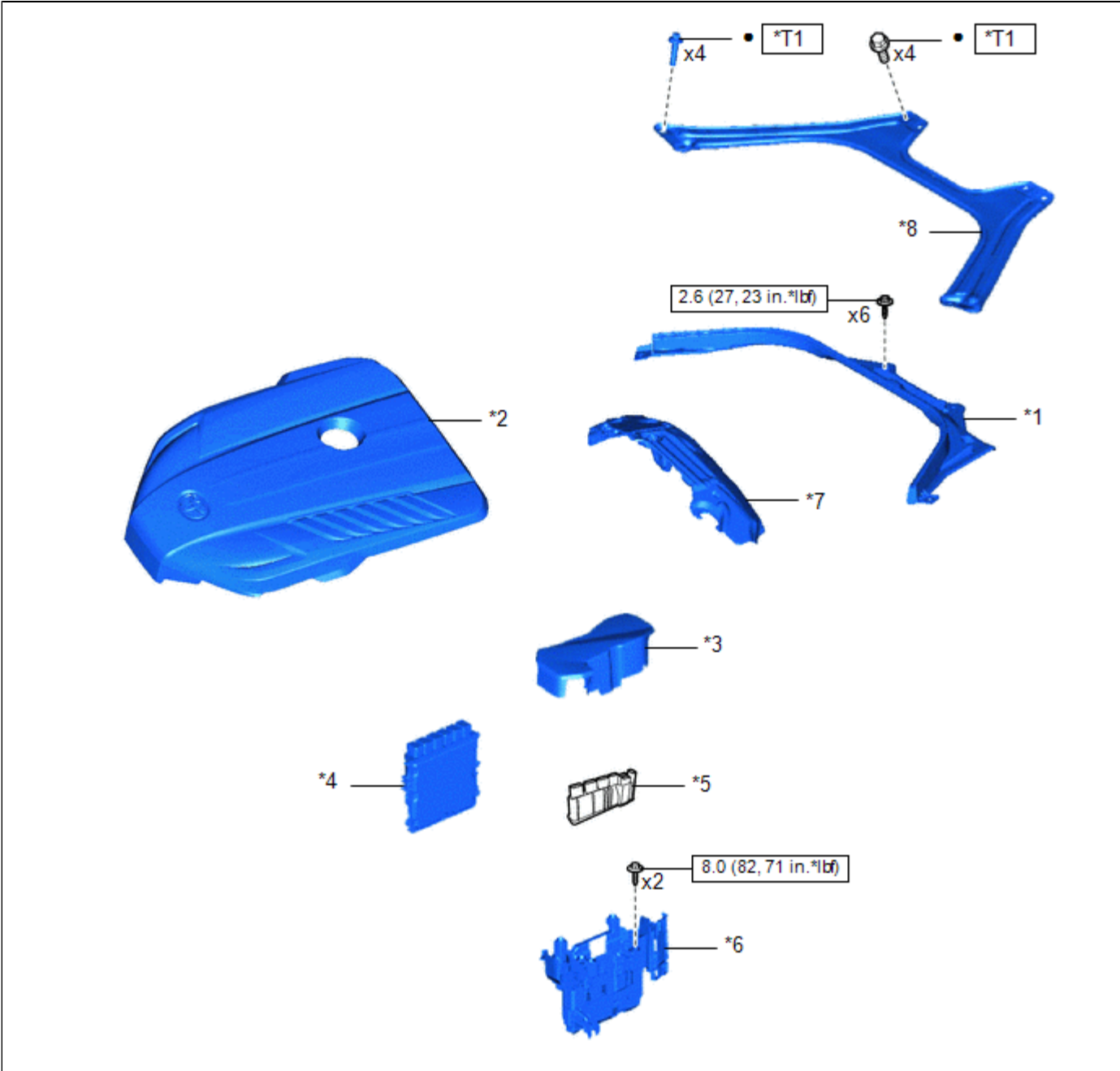
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Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD28
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): GENERATOR WIRE: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

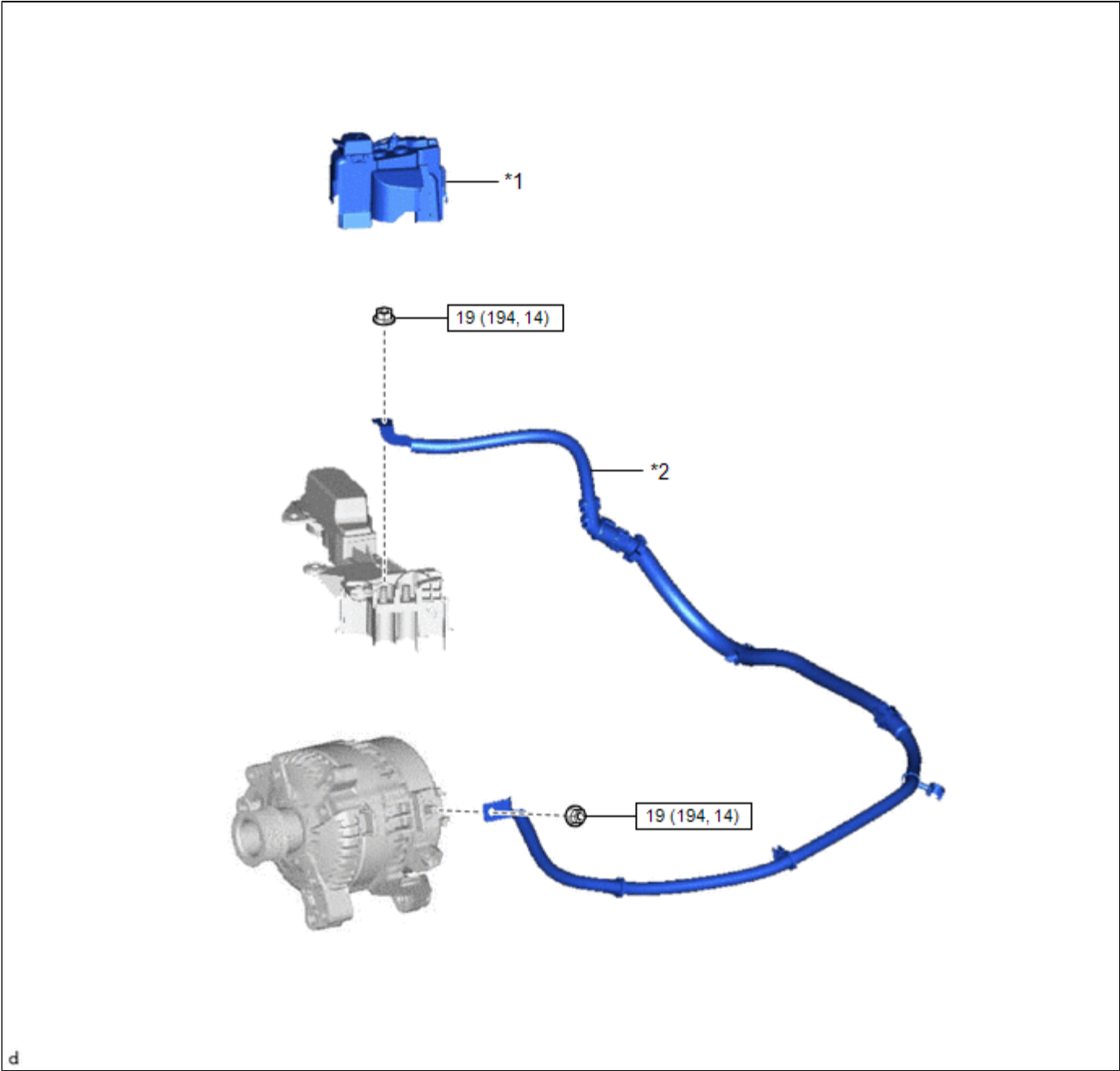
ILLUSTRATION



*1	COWL TOP VENTILATOR LOUVER PROTECTOR	*2	NO. 1 ENGINE COVER SUB-ASSEMBLY
*3	ENGINE ROOM ECU COVER	*4	ECM
*5	NO. 1 INTEGRATION RELAY	*6	ENGINE ROOM ECM BOX
*7	NO. 1 ENGINE COVER	*8	FRONT SUSPENSION UPPER CENTER BRACE

	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part
*T1	1st: 56 (571, 41) 2nd: Turn 90°	-	-

ILLUSTRATION



*1	TERMINAL COVER	*2	GENERATOR WIRE
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD29
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): GENERATOR WIRE: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Working on 12 V vehicle electrical system.

Risk of short circuits! Risk of fire!

- Disconnect the cable from the negative (-) battery terminal.

- Hot surfaces.

Risk of burning!

- Perform all work only on components that have cooled down.

PROCEDURE

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

Click here [INFO](#)

2. REMOVE UPPER FRONT SUSPENSION CENTER BRACE

Click here [INFO](#)

3. REMOVE COWL TOP VENTILATOR LOUVER PROTECTOR

Click here [INFO](#)

4. REMOVE NO. 1 ENGINE COVER SUB-ASSEMBLY

Click here [INFO](#)

5. REMOVE ECM

Click here [INFO](#)

6. REMOVE NO. 1 INTEGRATION RELAY

Click here [INFO](#)

7. REMOVE ENGINE ROOM ECM BOX

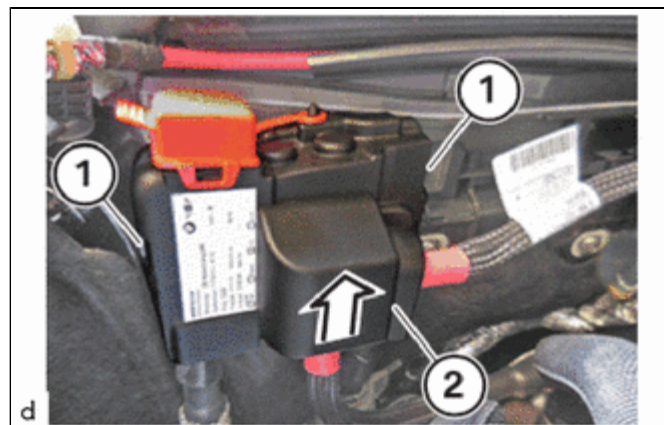
Click here [INFO](#)

8. REMOVE NO. 1 ENGINE COVER

Click here [INFO](#)

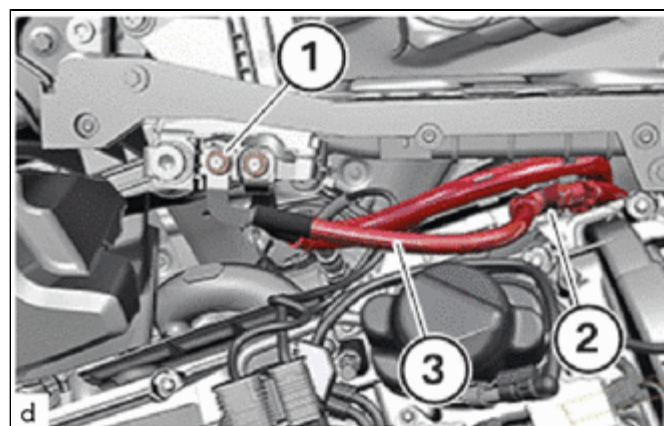
9. REMOVE GENERATOR WIRE

(a) Unlock the locks (1).



(b) Guide and remove terminal cover (2) in direction of arrow.

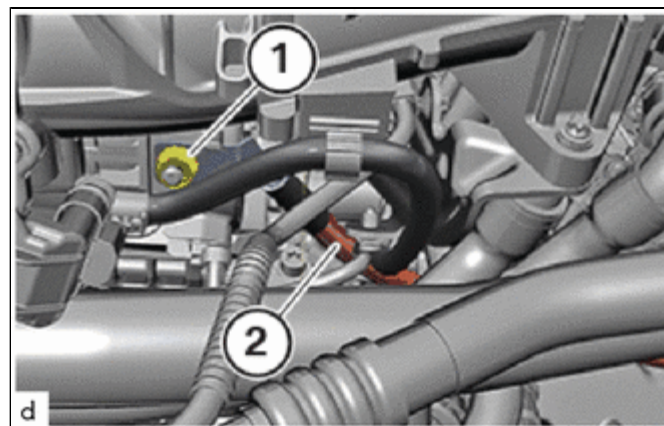
(c) Unfasten nut (1).



(d) Loosen clamp (2).

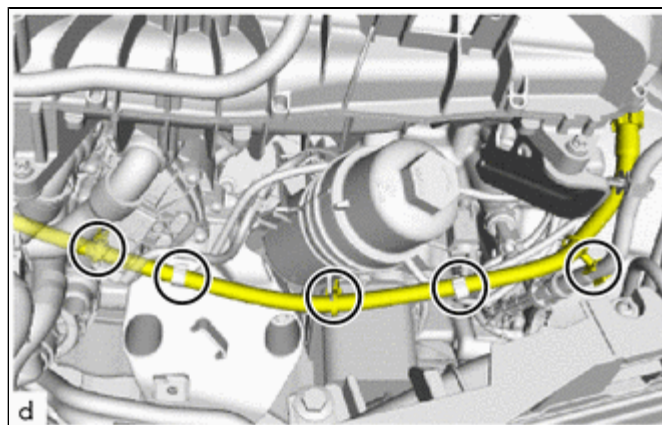
(e) Feed out generator wire (3) and put to one side.

(f) Unfasten nut (1).

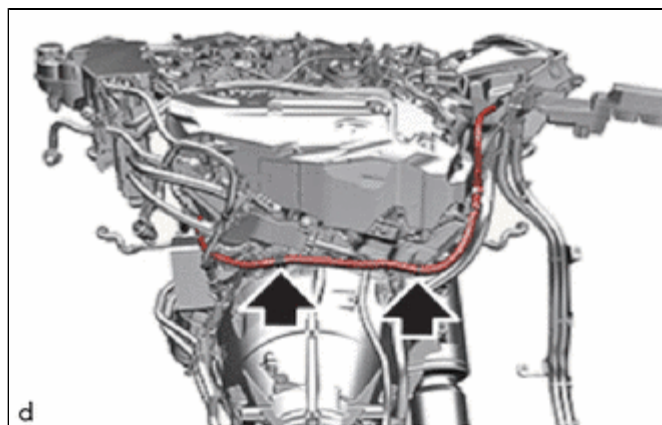


(g) Thread out generator wire (2) and set it aside.

(h) Unclip generator wire in the marked areas.



(i) Release the clamps (arrows).



(j) Remove generator wire.



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Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD2A
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): GENERATOR WIRE: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

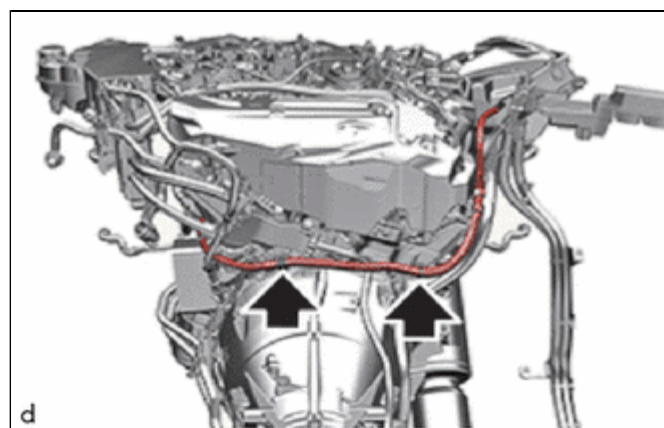
PROCEDURE

1. INSTALL GENERATOR WIRE

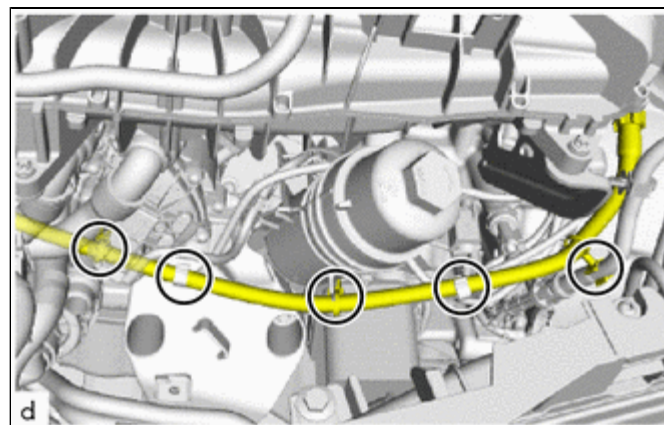
CAUTION:

- Improper routing of the generator wire.
- Risk of short circuits!
 - Route the generator wire without abrasions and do not trap.

(a) Insert and install the generator wire.

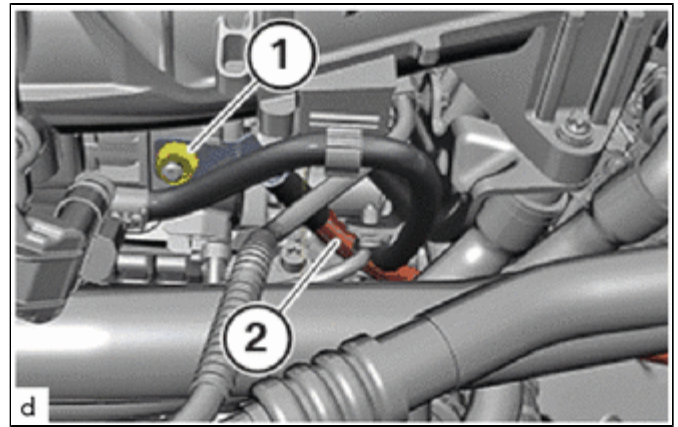


(b) Secure the clamps(arrows).



(c) Clip in the generator wire in the marked areas.

- (d) Insert and install the generator wire (2) to the generator assembly.

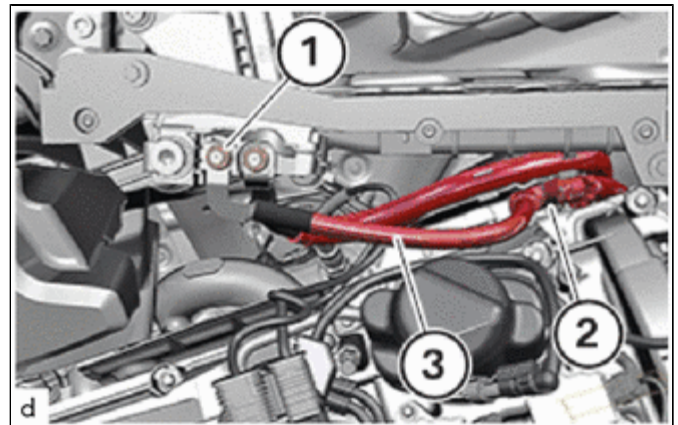


- (e) Tighten nut (1).

Torque:

19 N·m {194 kgf·cm, 14 ft·lbf}

- (f) Insert and install the generator wire (3) to the positive battery terminal.



- (g) Secure clamp (2).

- (h) Tighten nut (1).

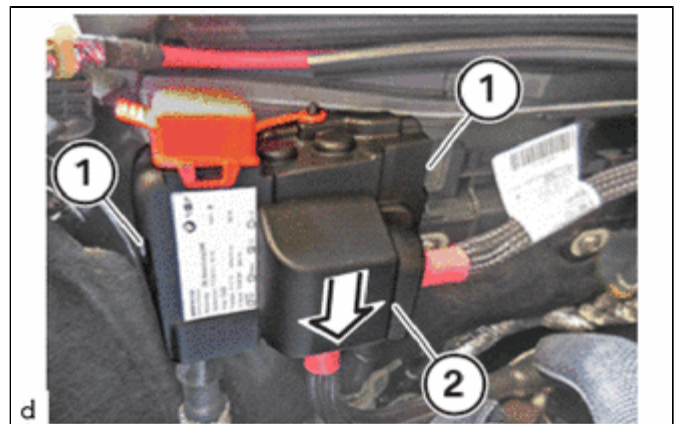
Torque:

19 N·m {194 kgf·cm, 14 ft·lbf}

- (i) Insert and install the terminal cover (2) in the direction of the arrow.

HINT:

The locks (1) must engage audibly.



2. INSTALL NO. 1 ENGINE COVER

Click here [INFO](#)

3. INSTALL ENGINE ROOM ECM BOX

Click here [INFO](#)

4. INSTALL NO. 1 INTEGRATION RELAY

Click here [INFO](#)

5. INSTALL ECM

Click here [INFO](#)

6. INSTALL NO. 1 ENGINE COVER SUB-ASSEMBLY

Click here [INFO](#)

7. INSTALL COWL TOP VENTILATOR LOUVER PROTECTOR

Click here [INFO](#)

8. INSTALL UPPER FRONT SUSPENSION CENTER BRACE

Click here [INFO](#)

9. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

Click here [INFO](#)

10. RESET ADAPTATIONS

Click here [INFO](#)

11. ENCODE / PROGRAM CONTROL UNIT(S)

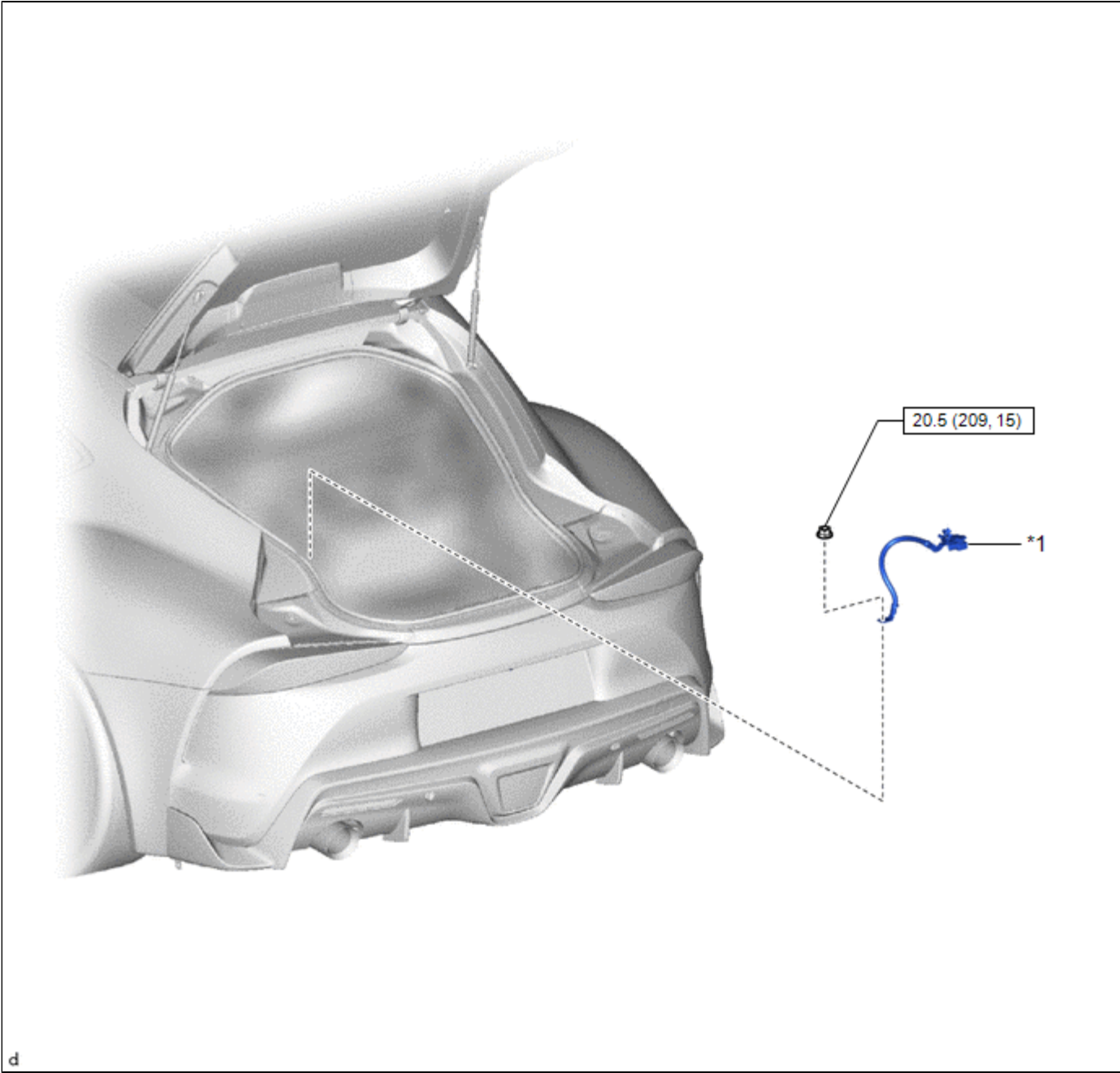
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Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD2F
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): NEGATIVE BATTERY CABLE: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	NO. 3 EARTH WIRE	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD2G
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): NEGATIVE BATTERY CABLE: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Working on 12 V vehicle electrical system.

Risk of short circuits! Risk of fire!

- Disconnect the cable from the negative (-) battery terminal.

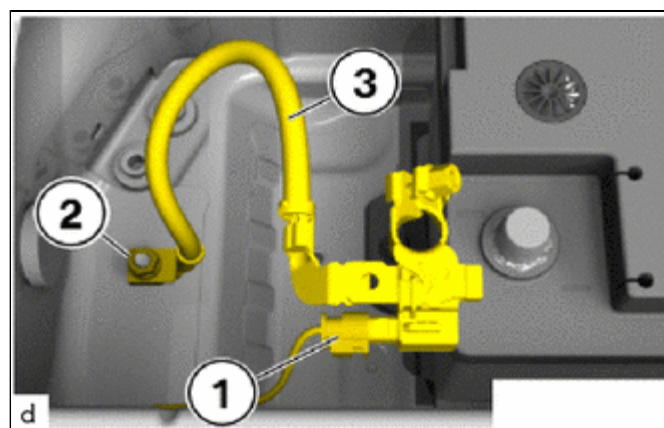
PROCEDURE

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

Click here [INFO](#)

2. REMOVE NO.3 EARTH WIRE

(a) Unlock connector (1) and disconnect.



(b) Loosen nut (2).

(c) Remove the No. 3 earth wire (3).

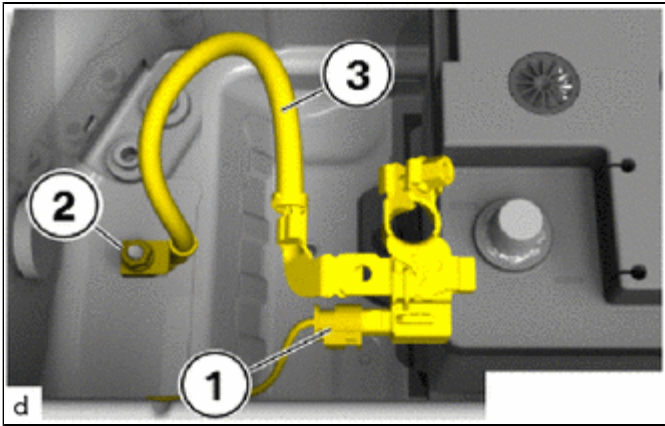
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD2H
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): NEGATIVE BATTERY CABLE: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL NO. 3 EARTH WIRE

(a) Position No. 3 earth wire (3) on the bolt.



(b) Tighten nut (2).

Torque:
20.5 N·m {209 kgf·cm, 15 ft·lbf}

(c) Connect connector (1) and lock.

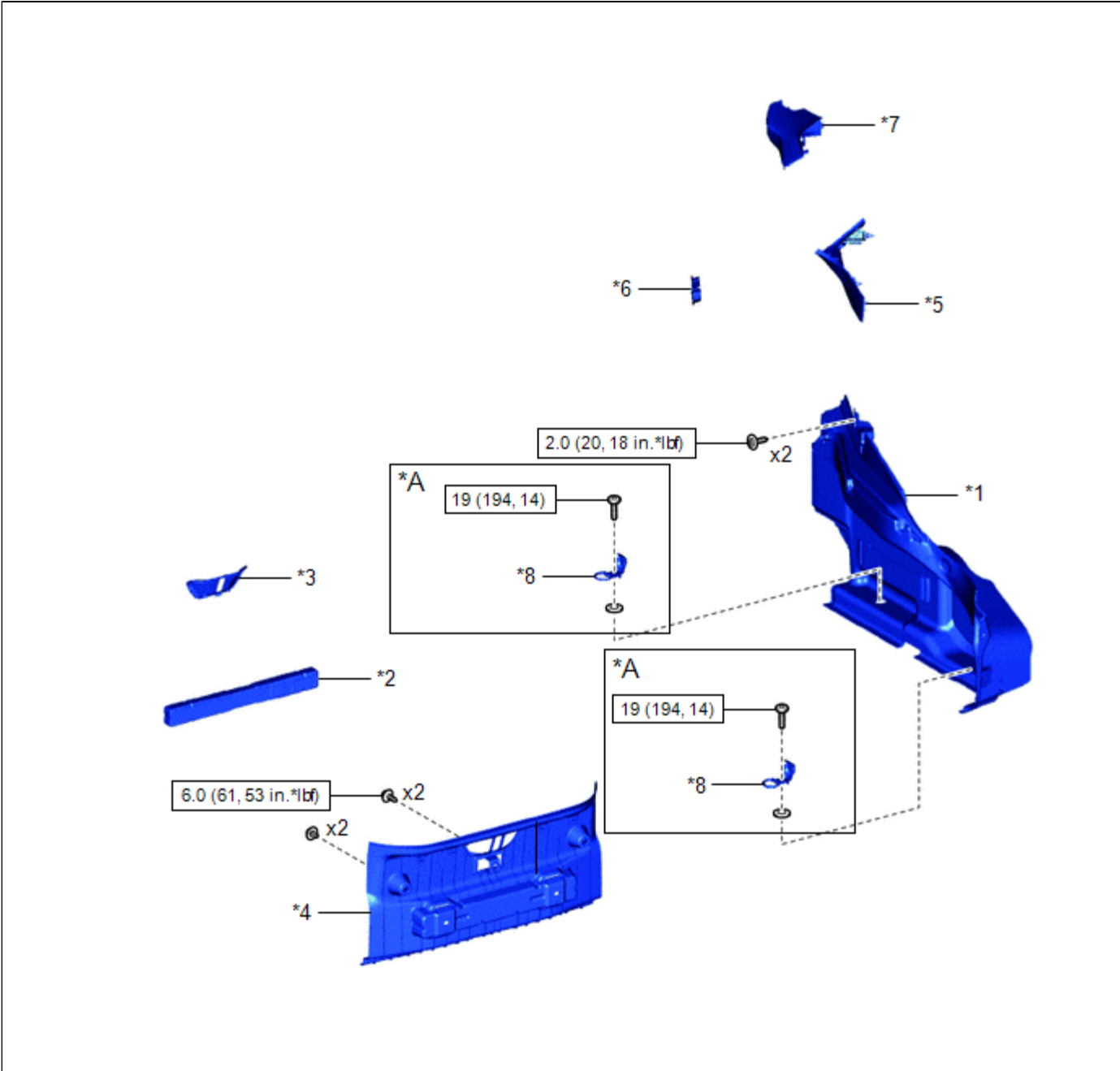
2. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD2P
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): REAR POWER DISTRIBUTION BOX: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

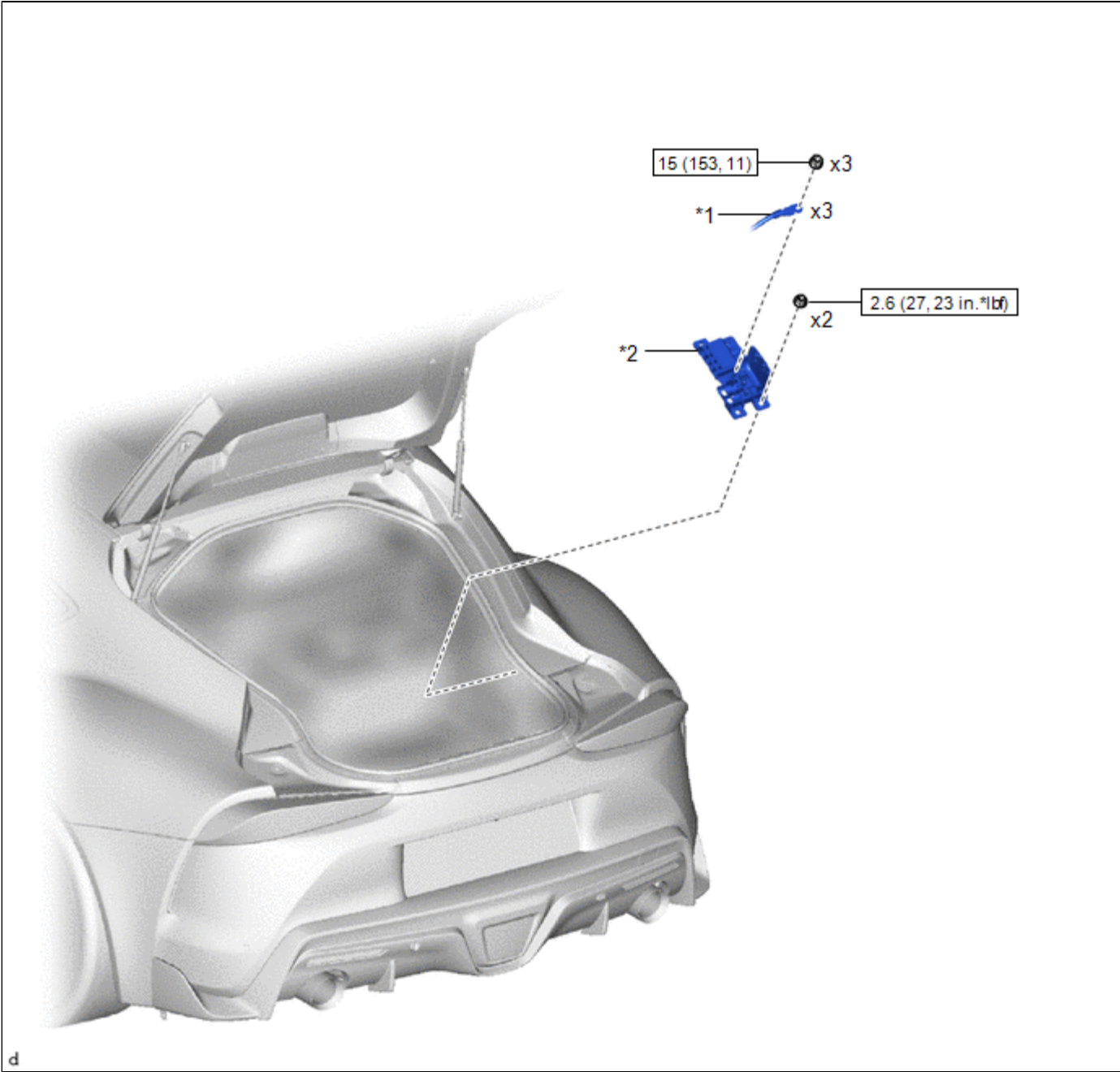
ILLUSTRATION



*A	w/ Courtesy Light	-	-
*1	DECK TRIM SIDE BOARD AND DECK SIDE TRIM COVER RH	*2	TRIANGLE REFLECTOR SET
*3	BACK DOOR LOCK STRIKER COVER	*4	DECK TRIM REAR COVER
*5	ROOF SIDE INNER GARNISH ASSEMBLY RH	*6	TRANSVERSE PIPE TRIM

*7	SEAT BELT HOLE COVER SUB-ASSEMBLY RH	*8	ROPE HOOK
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

ILLUSTRATION



*1	POSITIVE BATTERY CABLE	*2	REAR POWER DISTRIBUTION BOX
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD2Q
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): REAR POWER DISTRIBUTION BOX: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Working on 12 V vehicle electrical system.

Risk of short circuits! Risk of fire!

- Disconnect the cable from the negative (-) battery terminal.

PROCEDURE

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

Click here [INFO](#)

2. REMOVE TRIANGLE REFLECTOR SET

Click here [INFO](#)

3. REMOVE DECK TRIM REAR COVER

Click here [INFO](#)

4. REMOVE ROOF SIDE INNER GARNISH ASSEMBLY RH

Click here [INFO](#)

5. REMOVE TRANSVERSE PIPE TRIM

Click here [INFO](#)

6. REMOVE SEAT BELT HOLE COVER SUB-ASSEMBLY RH

Click here [INFO](#)

7. REMOVE ROPE HOOK (w / Courtesy Light)

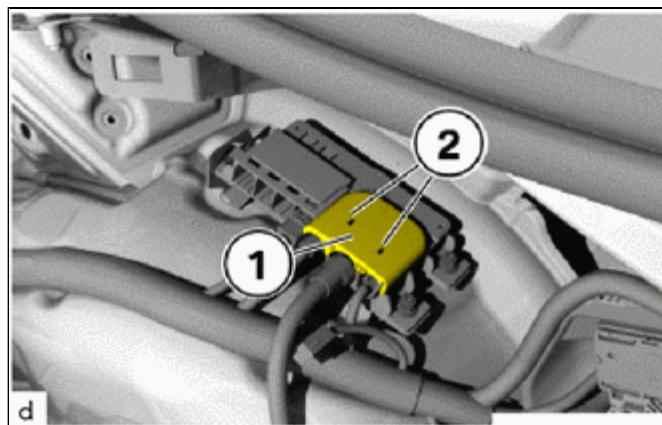
Click here [INFO](#)

8. REMOVE DECK TRIM SIDE BOARD AND DECK SIDE TRIM COVER RH

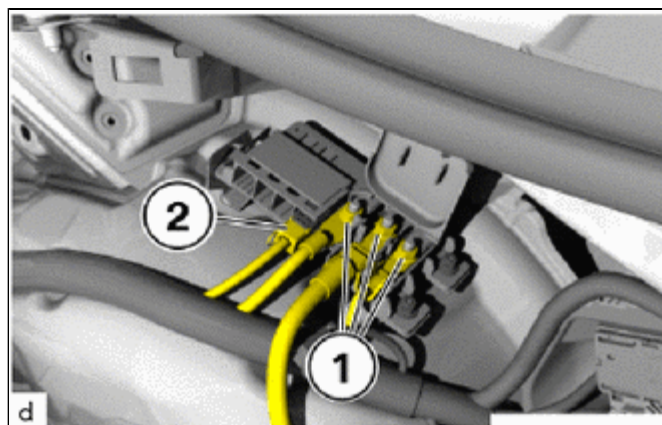
Click here [INFO](#)

9. REMOVE REAR POWER DISTRIBUTION BOX

(a) Remove the cover (1) from the latch mechanisms (2) and fold open.

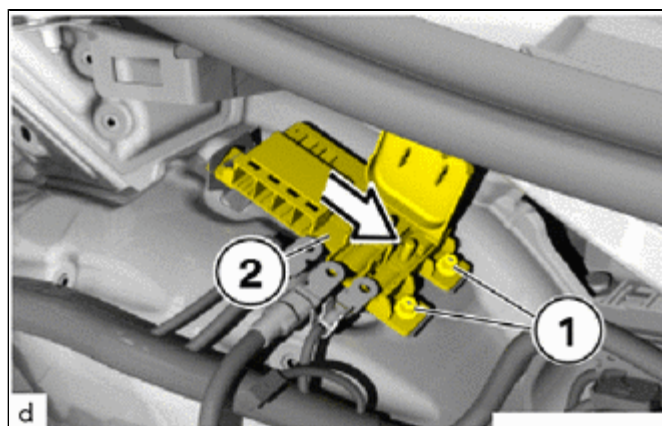


(b) Unscrew nuts (1), thread out the positive battery cables below it and set aside.



(c) Unlock and disconnect connector (2).

(d) Loosen nuts (1).



(e) Lift the rear power distribution box (2) in the rear off the threaded bolts and remove in direction of arrow.

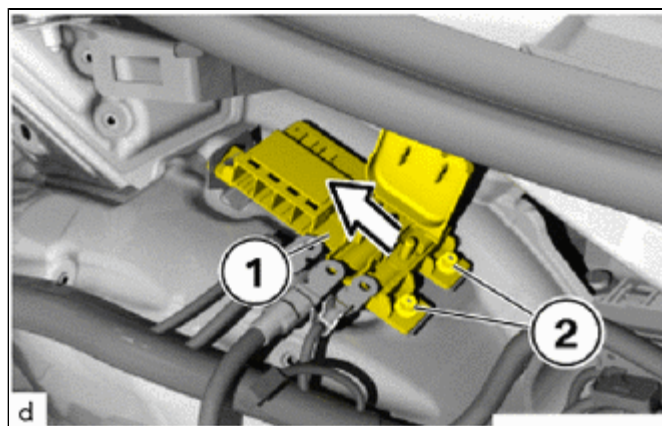
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD2R
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): REAR POWER DISTRIBUTION BOX: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL REAR POWER DISTRIBUTION BOX

- (a) Insert the rear power distribution box (1) in direction of arrow and position on the threaded bolt.

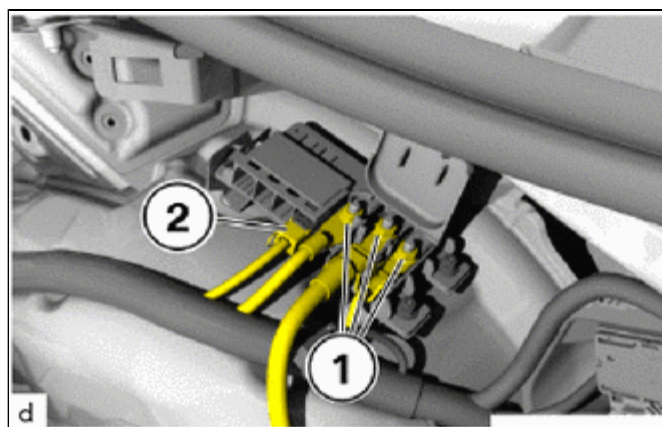


- (b) Tighten nuts (2).

Torque:

2.6 N·m {27 kgf·cm, 23 in·lbf}

- (c) Connect connector (2) and lock.

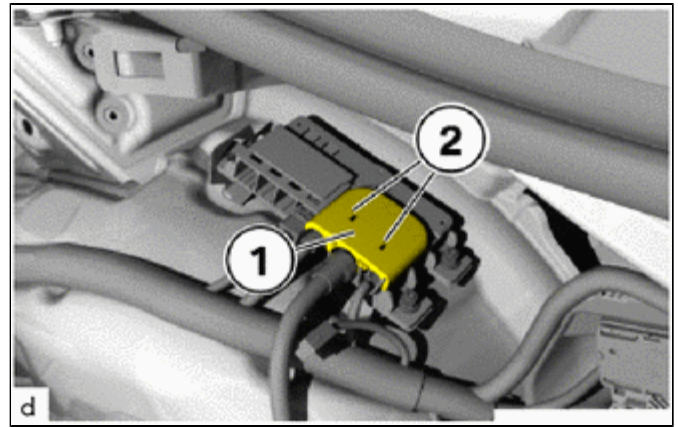


- (d) Position positive battery cables according to their encoding and tighten the nuts (1).

Torque:

15 N·m {153 kgf·cm, 11 ft·lbf}

(e) Close the cover (1) and clip in at the latch mechanisms (2).



2. INSTALL DECK TRIM SIDE BOARD AND DECK SIDE TRIM COVER RH

Click here [INFO](#)

3. INSTALL ROPE HOOK (w / Courtesy Light)

Click here [INFO](#)

4. INSTALL SEAT BELT HOLE COVER SUB-ASSEMBLY RH

Click here [INFO](#)

5. INSTALL TRANSVERSE PIPE TRIM

Click here [INFO](#)

6. INSTALL ROOF SIDE INNER GARNISH ASSEMBLY RH

Click here [INFO](#)

7. INSTALL DECK TRIM REAR COVER

Click here [INFO](#)

8. INSTALL TRIANGLE REFLECTOR SET

Click here [INFO](#)

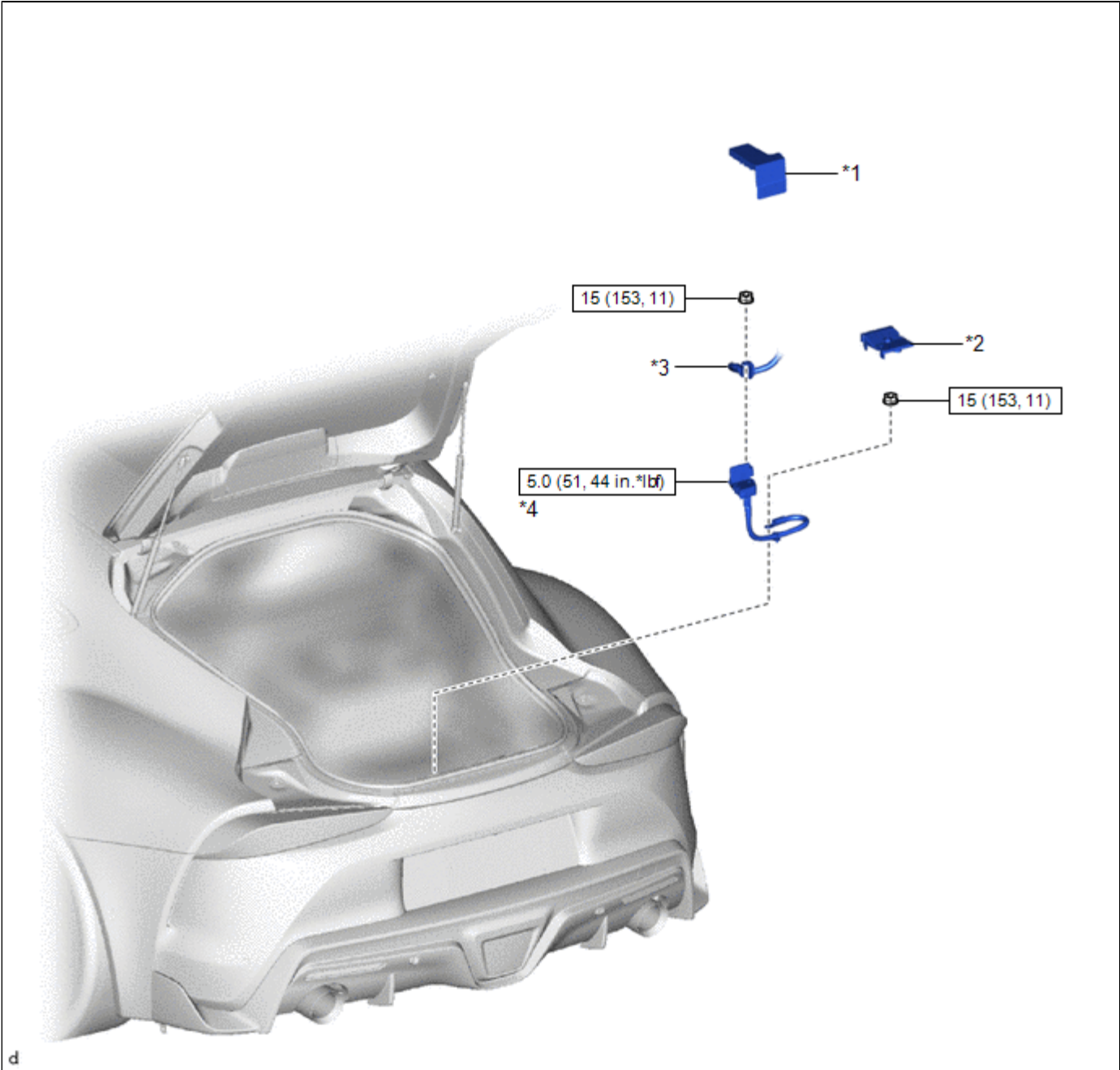
9. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD2I
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): SAFETY BATTERY TERMINAL: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	CONNECTOR COVER	*2	COVER
*3	NO. 4 FLOOR WIRE	*4	SAFETY BATTERY TERMINAL
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD2J
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): SAFETY BATTERY TERMINAL: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

PROCEDURE

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

Click here [INFO](#)

2. REMOVE SAFETY BATTERY TERMINAL

CAUTION:

- Working on 12 V vehicle electrical system.

Risk of short circuits! Risk of fire!

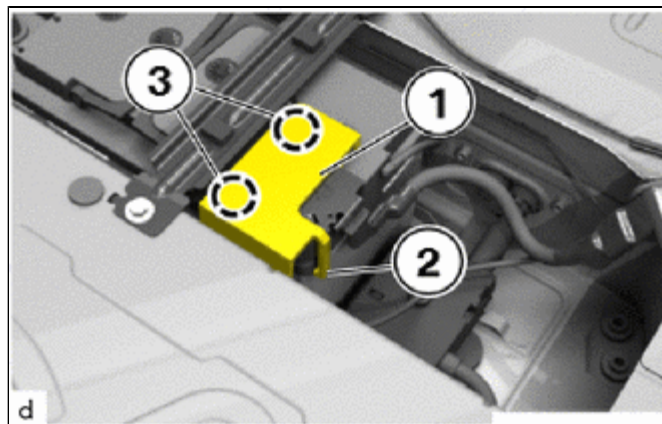
- Disconnect the cable from the negative (-) battery terminal.

NOTICE:

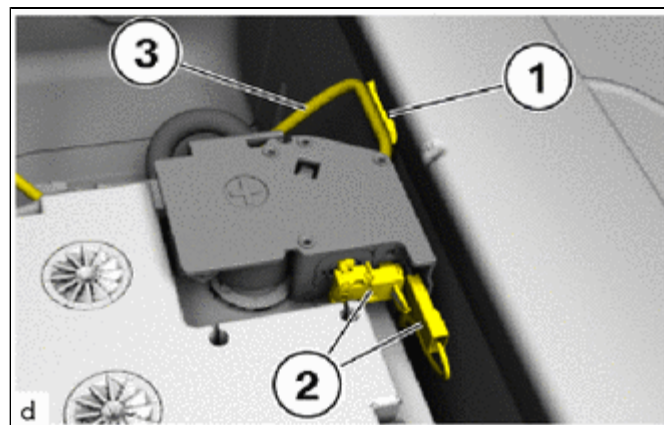
- Damage to battery terminal, the safety battery terminal or the battery state sensor.
- Damaged battery terminals can lead to malfunctions or vehicle electrical system faults.
 - Pull off battery terminal from battery pole by carefully moving to and fro. Do not pry off using a tool.
- Electrostatic discharge.
- Damage to or destruction of electrical components.
 - Leave electrical components in original packaging until just before they are installed. Use the original packaging only for any return shipments. Always package removed components straight away.
 - Only touch the housings of electrical components. Do not touch pins or multi-pin connectors directly.
 - Wear electrically conductive clothing and antistatic shoes (with ESD symbol).
 - For additional information see:

Click here [INFO](#)

- (a) Release latch mechanism (2) and thread the connector cover (1) out the guides (3) to the top and remove.



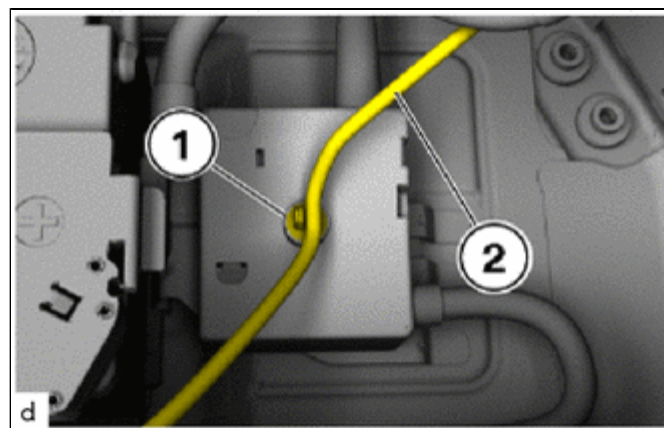
(b) Loosen the holder (1).



(c) Unlock and disconnect connectors (2).

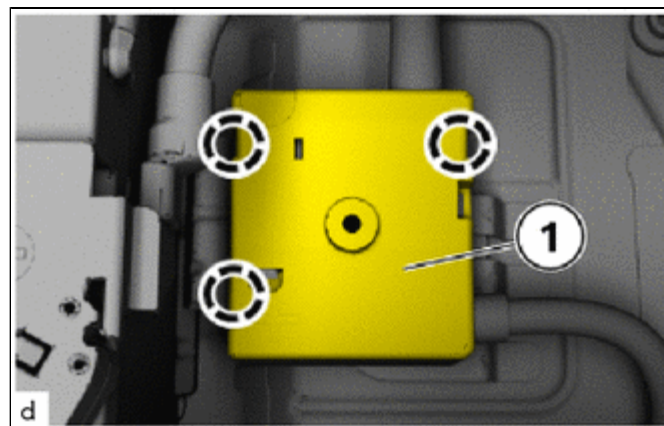
(d) Put the cable (3) to one side.

(e) Loosen the holder (1).



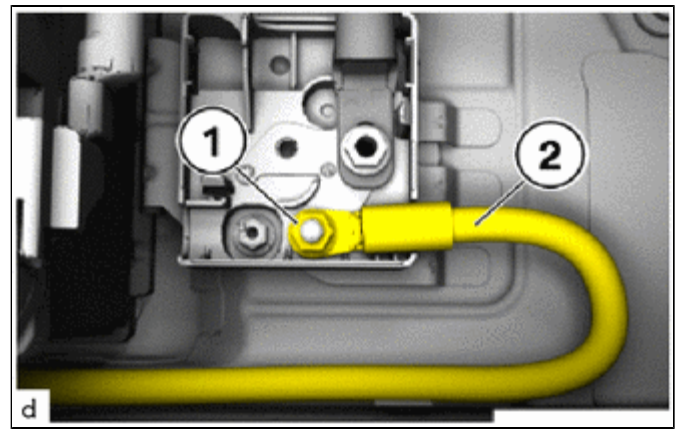
(f) Put the cable (2) to one side.

(g) Unclip the cover (1) in the marked areas.



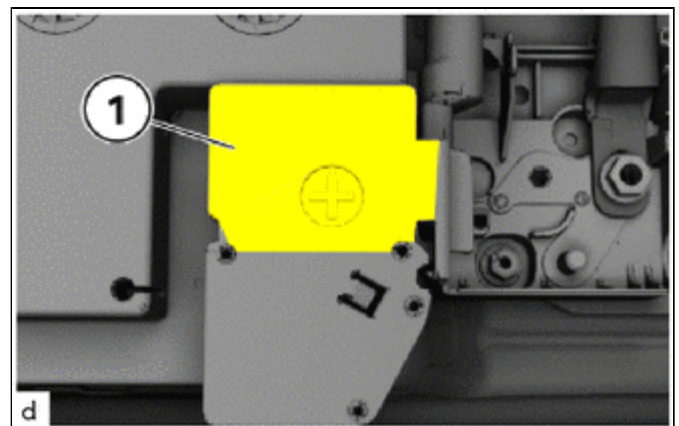
(h) Release and remove the cover (1).

(i) Unfasten nut (1).

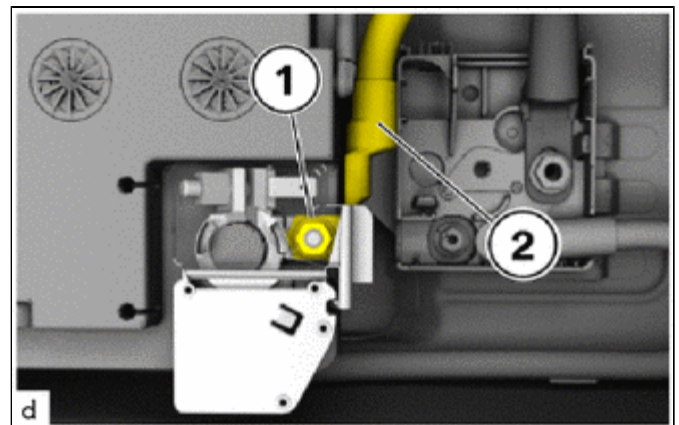


(j) Remove No. 4 floor wire (2).

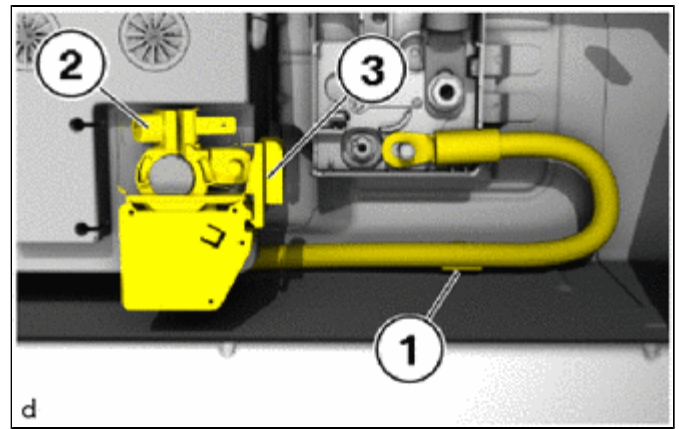
(k) Open the cover (1) of the safety battery terminal.



(l) Release the nut (1) and put the No. 4 floor wire (2) aside.



(m) Loosen the holder (1).



(n) Release nut (2) and remove the safety battery terminal (3).

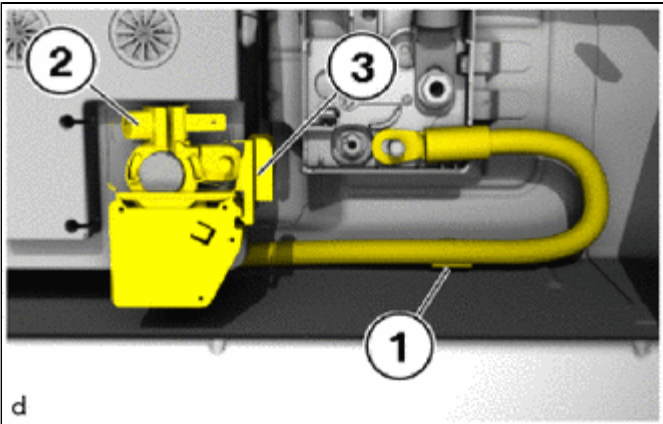
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD2K
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (BATTERY / CHARGING): SAFETY BATTERY TERMINAL: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL SAFETY BATTERY TERMINAL

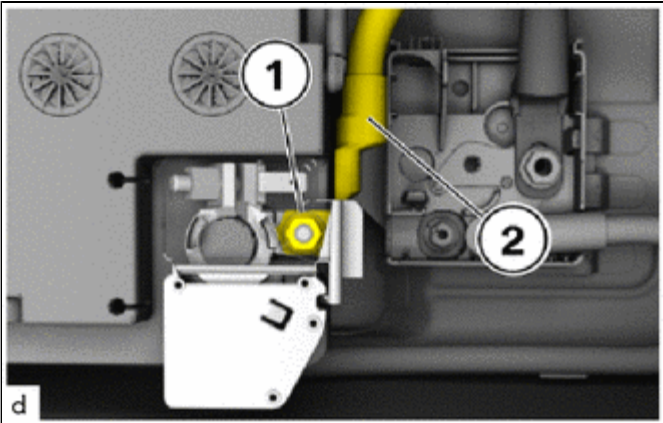
- (a) Install the safety battery terminal (3) and position on the positive battery terminal.



- (b) Secure the holder (1).
- (c) Tighten nut (2).

Torque:
5.0 N·m { 51 kgf·cm, 44 in·lbf }

- (d) Position the No. 4 floor wire (2) on the safety battery terminal.

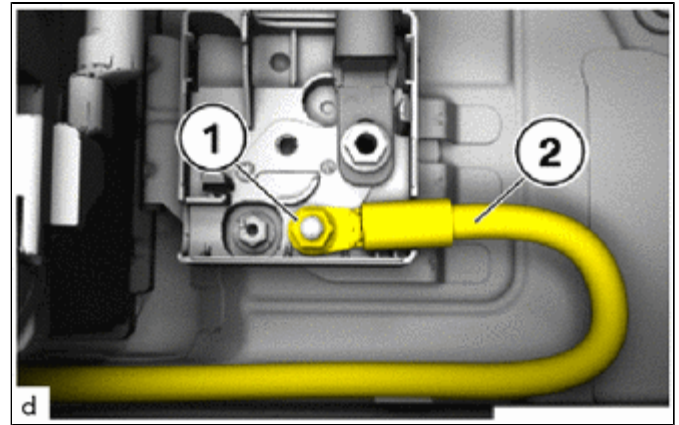


- (e) Tighten nut (1).

Torque:
15 N·m { 153 kgf·cm, 11 ft·lbf }

- (f) Close the cover of the safety battery terminal.

(g) Position the No. 4 floor wire (2) on the power distribution box.

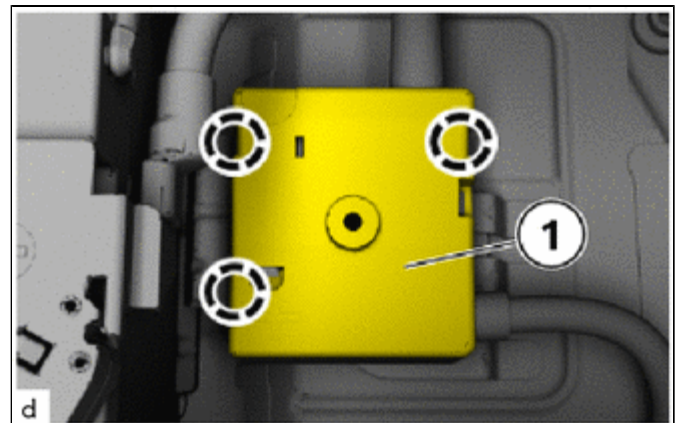


(h) Tighten nut (1).

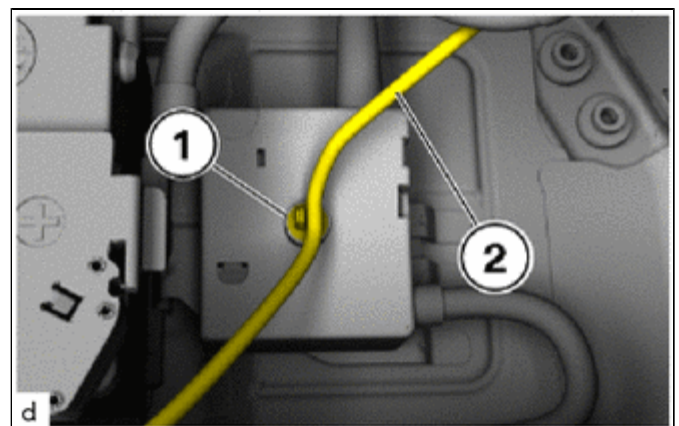
Torque:

15 N·m {153 kgf·cm, 11 ft·lbf}

(i) Position the cover (1) and clip into the marked areas.

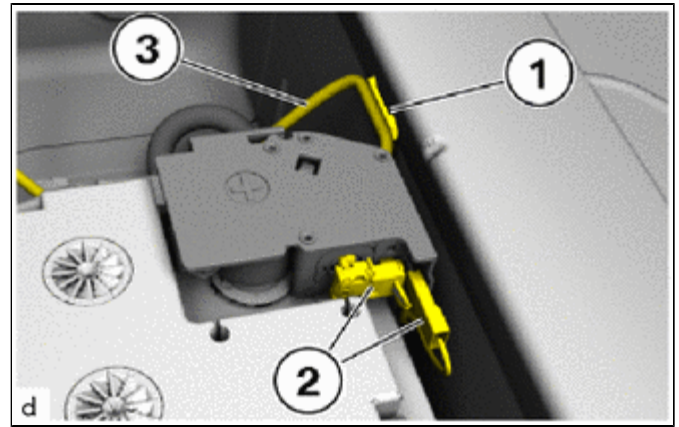


(j) Position cable (2).



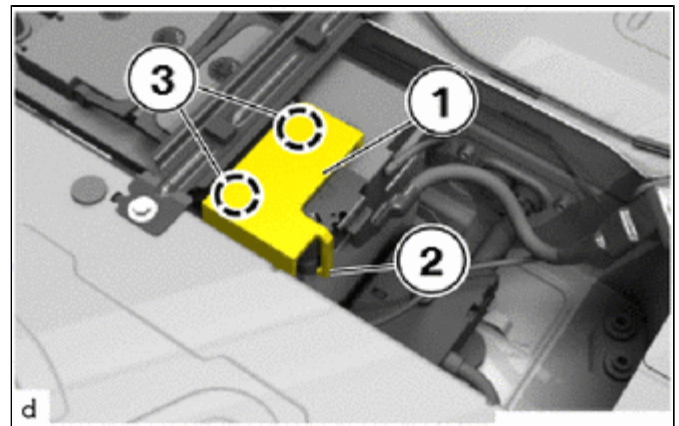
(k) Clip in the holder (1).

(l) Position the cable (3) and clip in the holder (1).



(m) Connect connectors (2) and lock.

(n) Insert the connector cover (1) at the guides (3) and engage in the latch mechanism (2).



2. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

Click here [INFO](#)