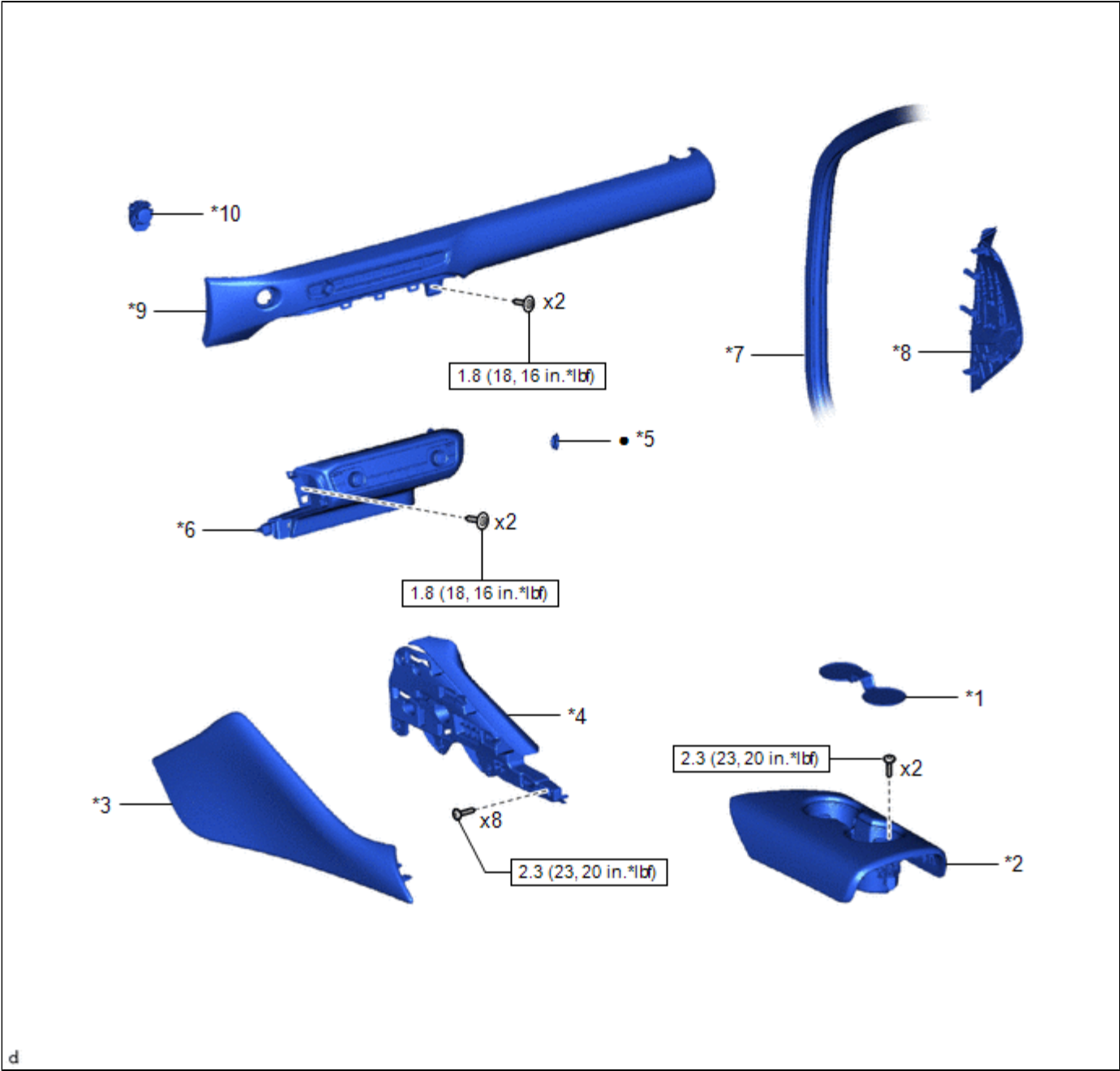


Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD22
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (STARTING): ENGINE SWITCH: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	NO. 1 CONSOLE BOX SILENCER PAD	*2	FRONT CONSOLE ARMREST ASSEMBLY
*3	CONSOLE SIDE PANEL	*4	CONSOLE PANEL AND CONSOLE PANEL RETAINER
*5	RUBBER PLUG	*6	INSTRUMENT PANEL FINISH LOWER PANEL

*7	FRONT DOOR OPENING TRIM WEATHERSTRIP	*8	NO. 2 INSTRUMENT SIDE PANEL
*9	NO. 1 INSTRUMENT PANEL GARNISH SUB-ASSEMBLY	*10	PUSH START SWITCH
	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD23
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (STARTING): ENGINE SWITCH: 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.

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](#)

PROCEDURE

1. REMOVE FRONT CONSOLE ARMREST ASSEMBLY

Click here [INFO](#)

2. REMOVE CONSOLE SIDE PANEL

Click here [INFO](#)

3. REMOVE CONSOLE PANEL AND CONSOLE PANEL RETAINER

Click here [INFO](#)

4. REMOVE INSTRUMENT PANEL FINISH LOWER PANEL

Click here [INFO](#)

5. REMOVE NO. 2 INSTRUMENT SIDE PANEL

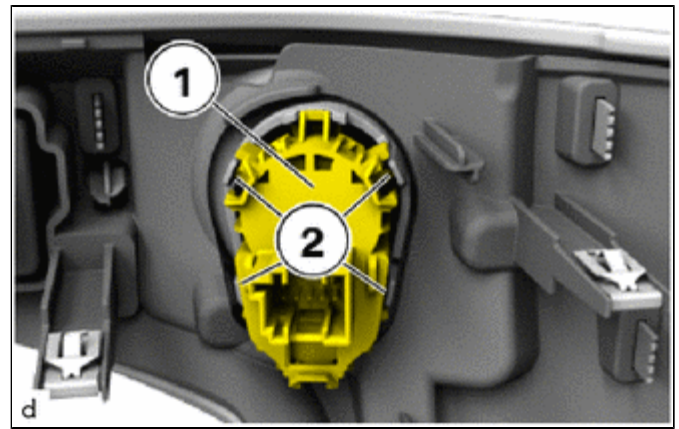
Click here [INFO](#)

6. REMOVE NO. 1 INSTRUMENT PANEL GARNISH SUB-ASSEMBLY

Click here [INFO](#)

7. REMOVE PUSH START SWITCH

(a) Detach push start switch (1) at the latch mechanisms (2) and remove.



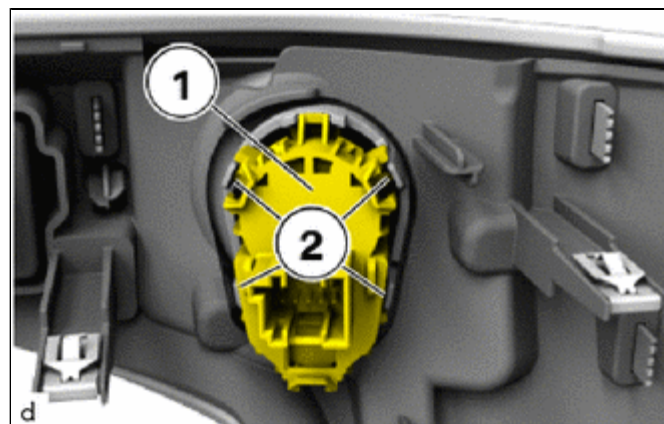
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD24
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (STARTING): ENGINE SWITCH: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL PUSH START SWITCH

- (a) Position push start switch (1) and engage in the latch mechanisms (2).



2. INSTALL NO. 1 INSTRUMENT PANEL GARNISH SUB-ASSEMBLY

Click here [INFO](#)

3. INSTALL NO. 2 INSTRUMENT SIDE PANEL

Click here [INFO](#)

4. INSTALL INSTRUMENT PANEL FINISH LOWER PANEL

Click here [INFO](#)

5. INSTALL CONSOLE PANEL AND CONSOLE PANEL RETAINER

Click here [INFO](#)

6. INSTALL CONSOLE SIDE PANEL

Click here [INFO](#)

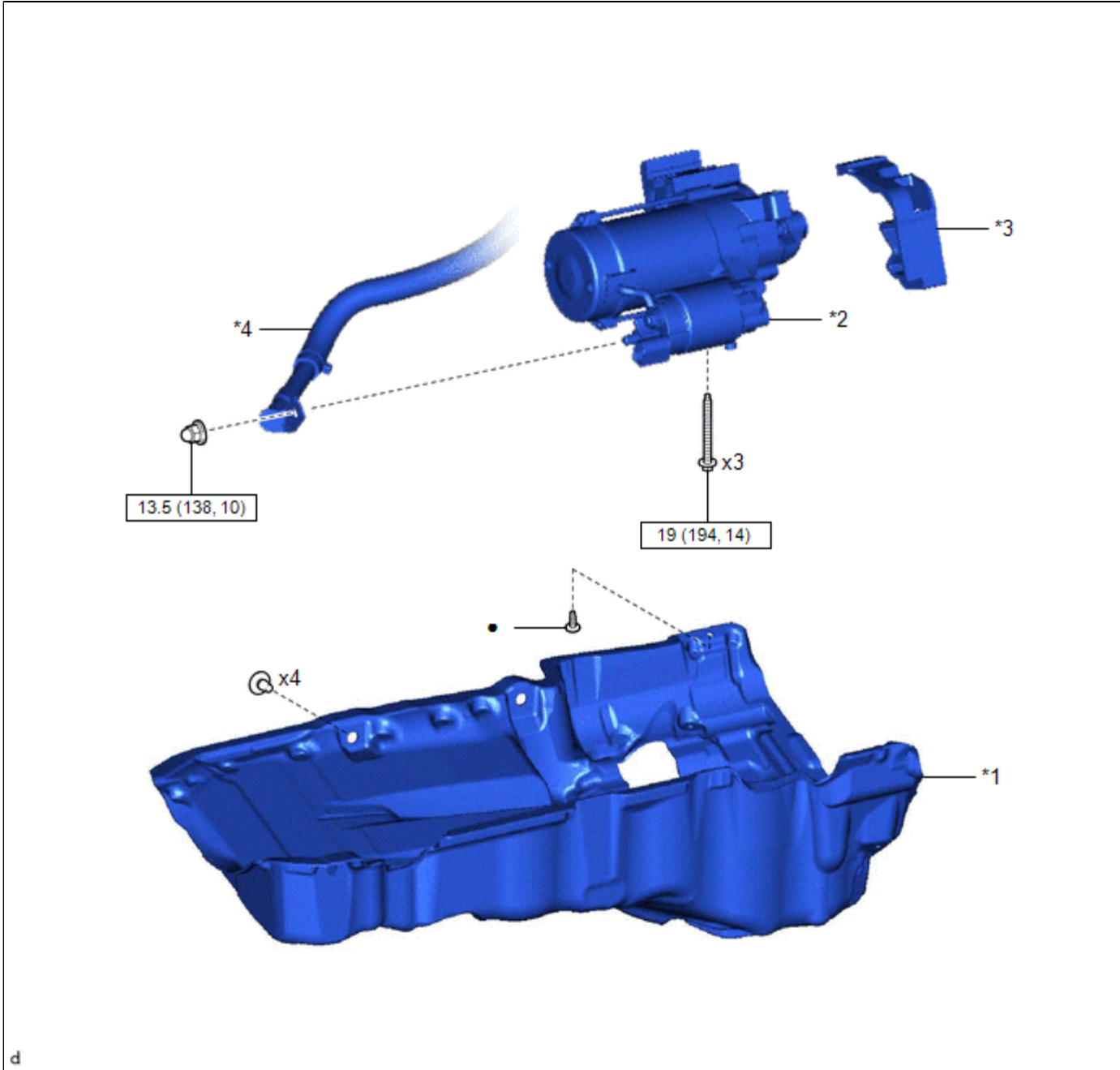
7. INSTALL FRONT CONSOLE ARMREST ASSEMBLY

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Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD1Y
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (STARTING): STARTER: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	OIL PAN COVER	*2	STARTER ASSEMBLY
*3	STARTER COVER	*4	STARTER WIRING ASSEMBLY
	N*m (kgf*cm, ft.*lbf): Specified torque		Non-reusable part



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD1W
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (STARTING): STARTER: 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 FRONT SUSPENSION MEMBER LOWER PROTECTOR

Click here [INFO](#)

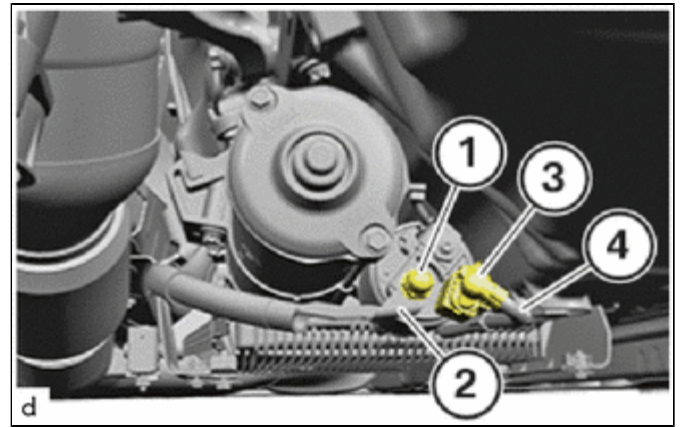
3. REMOVE OIL PAN COVER

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](#)

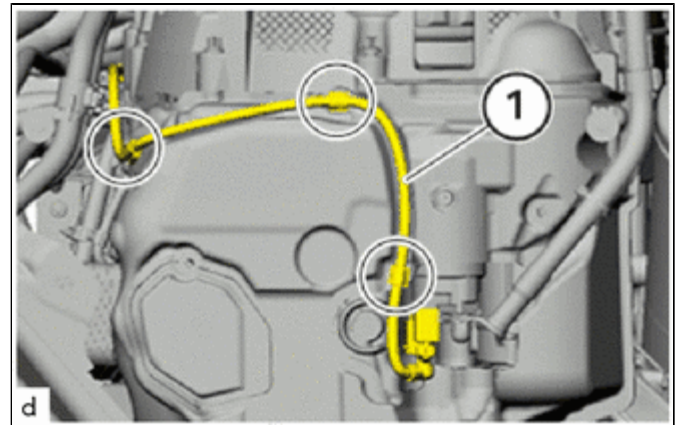
(a) Unfasten nut (1).



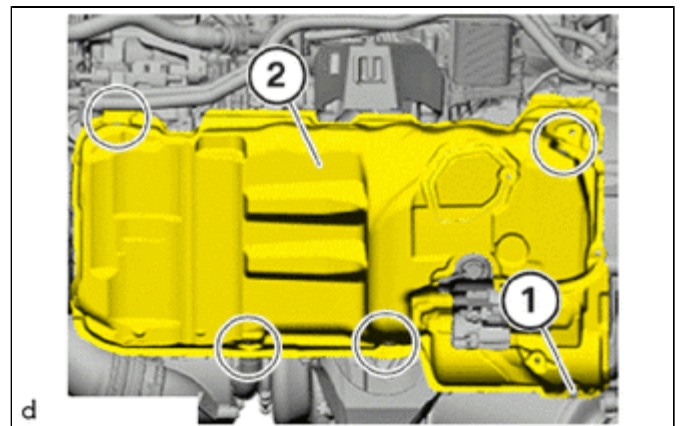
(b) Remove starter wiring assembly (2) from starter assembly.

(c) Unlock connector (3) and disconnect.

(d) Remove the transmission wire (4) for terminal 50 from the starter assembly.



(e) Unclip the transmission wire (1) from the oil pan cover in the marked areas.



(f) Remove the clip (1).

(g) Remove the clips in the marked areas.

NOTICE:

- Bending of plastic parts.

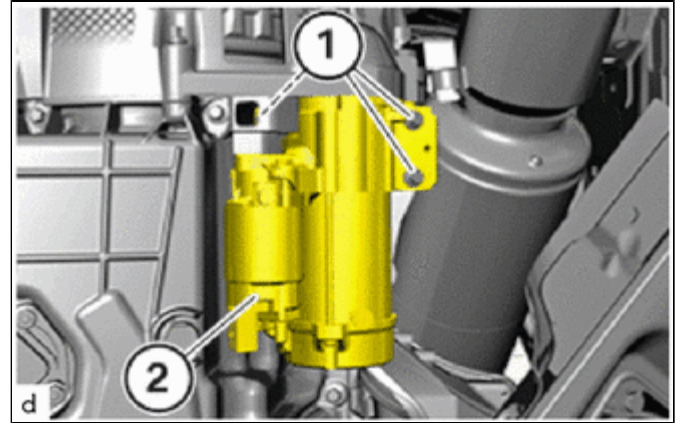
Application of too much force can lead to bending of plastic parts.

- Place special tool directly beside the mounting clip.
- Continue unclipping the part without using the tool if possible.

(h) Slightly lower the oil pan cover (2), slide forward and place it on the front axle support.

4. REMOVE STARTER ASSEMBLY

(a) Loosen E10 bolts (1).



(b) Remove the starter assembly (2).

5. REMOVE STARTER COVER

(a) Remove the starter cover from the starter assembly.



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD1X
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (STARTING): STARTER: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

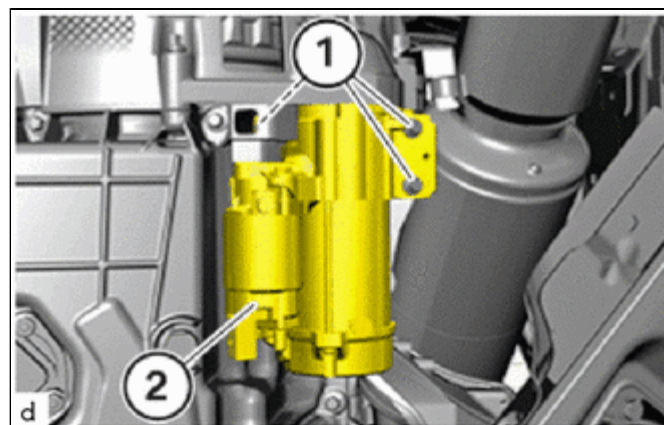
PROCEDURE

1. INSTALL STARTER COVER

(a) Install the starter cover to the starter assembly.

2. INSTALL STARTER ASSEMBLY

(a) Insert and install the starter assembly (2).



(b) Tighten the E10 bolts (1).

Torque:

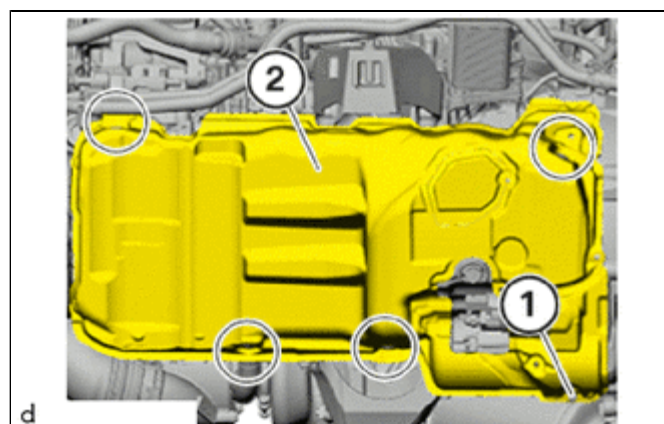
19 N·m {194 kgf·cm, 14 ft·lbf}

3. INSTALL OIL PAN COVER

CAUTION:

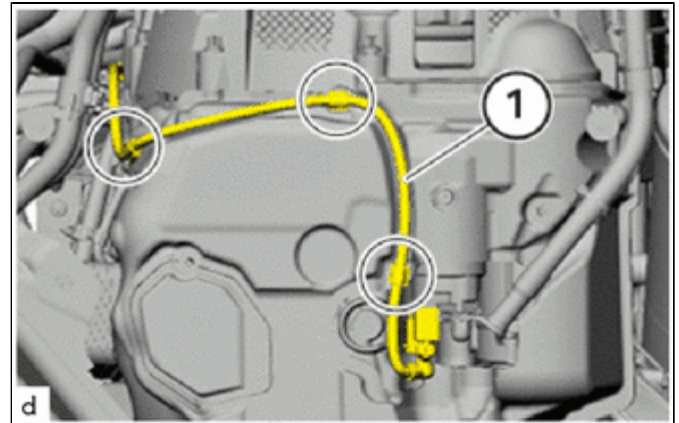
- Improper routing of the positive battery cable.
- Risk of short circuits!
 - Route the positive battery cable without abrasions and do not trap.

(a) Position the oil pan cover (2).

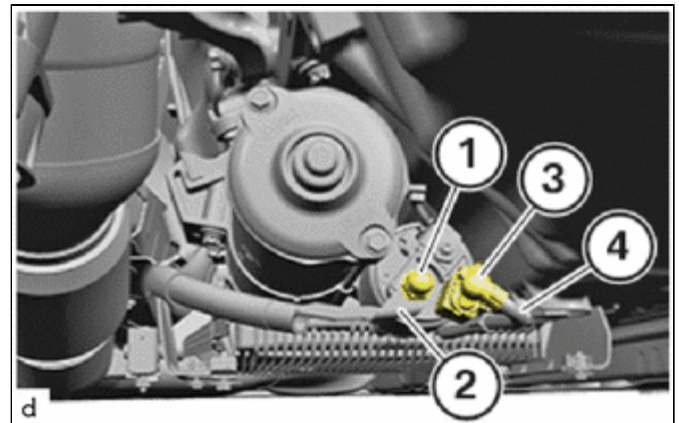


- (b) Replace the clip (1).
- (c) Install the clip (1).
- (d) Install the clips in the marked areas.

- (e) Clip the transmission wire (1) into the marked areas at the oil pan cover.



- (f) Connect the transmission wire (4) for the terminal 50 to the starter assembly.



- (g) Connect the connector (3).

HINT:

The connector must engage audibly.

- (h) Position starter wiring assembly (2) on the starter assembly.
- (i) Tighten nut (1).

Torque:

13.5 N·m {138 kgf·cm, 10 ft·lbf}

4. INSTALL FRONT SUSPENSION MEMBER LOWER PROTECTOR

Click here [INFO](#)

5. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

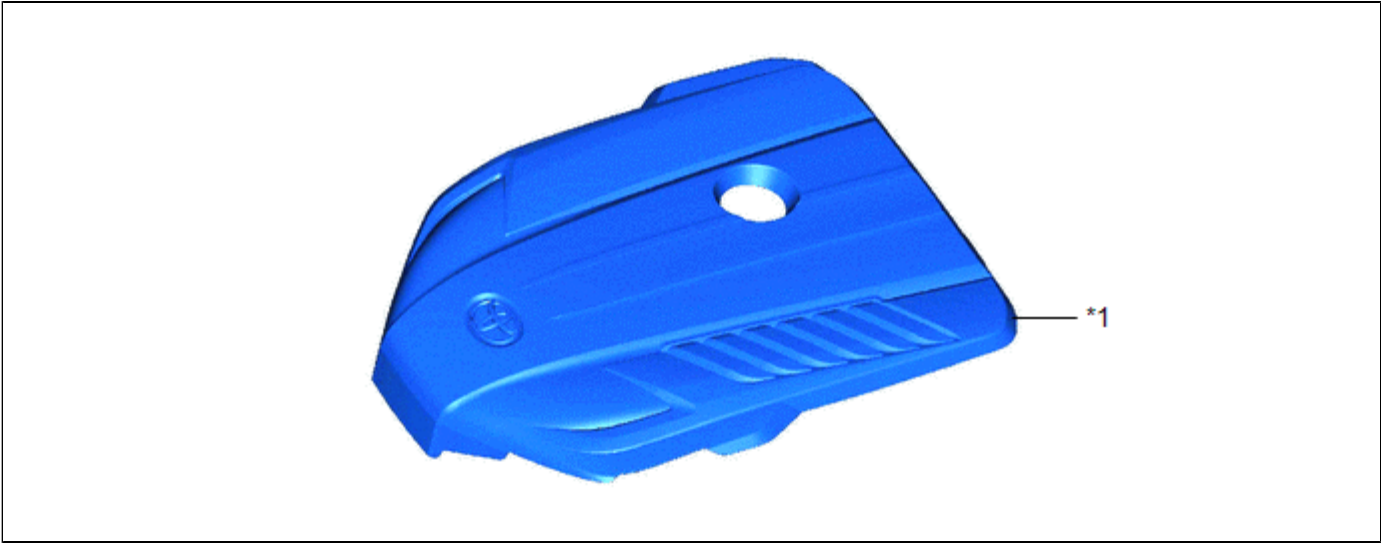
Click here [INFO](#)



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD21
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (STARTING): STARTER WIRING ASSEMBLY: COMPONENTS; 2020 MY Supra [03/2019 -]		

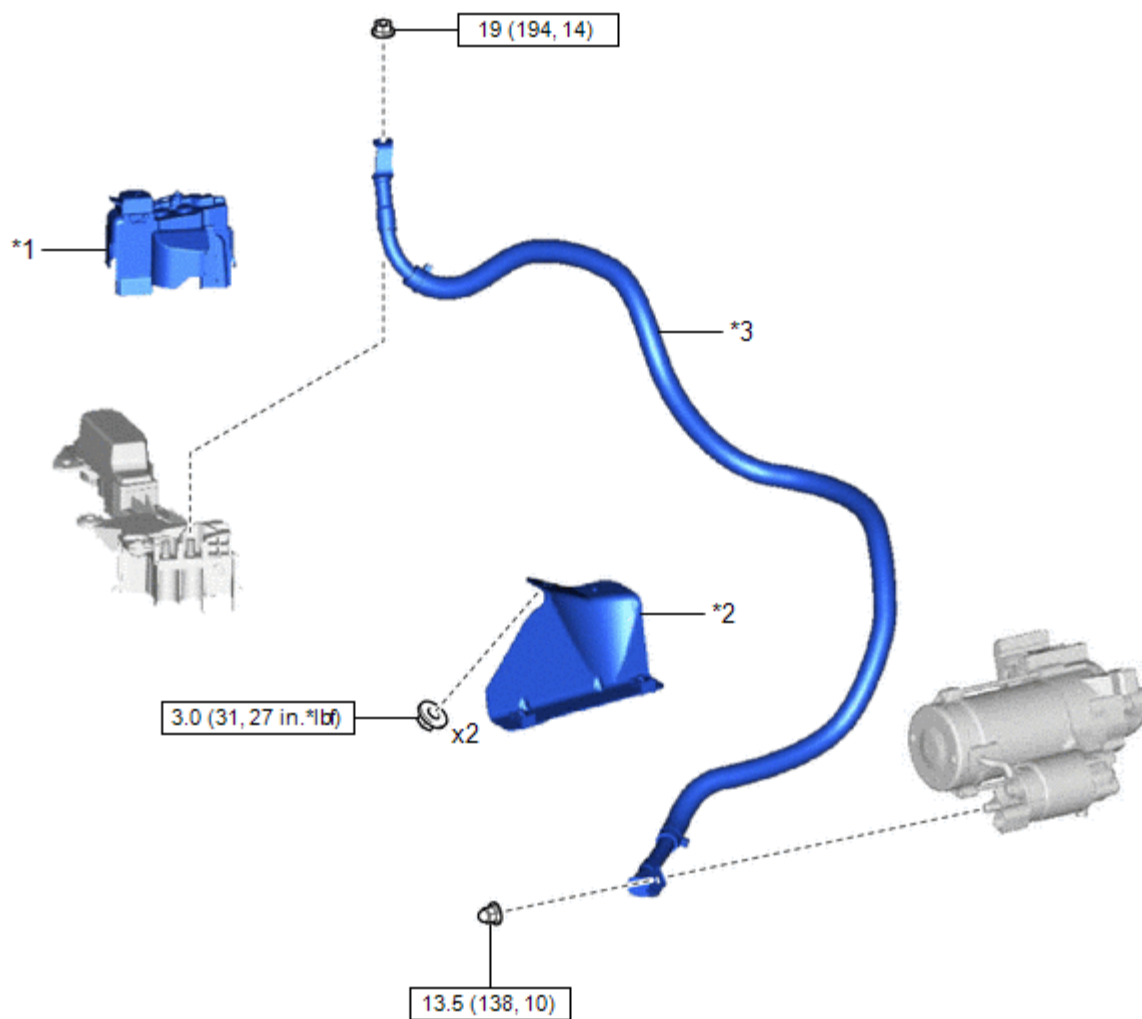
COMPONENTS

ILLUSTRATION



*1	NO. 1 ENGINE COVER SUB-ASSEMBLY	-	-
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ILLUSTRATION



d

*1	TERMINAL COVER	*2	NO. 2 FRONT FLOOR HEAT INSULATOR
*3	STARTER WIRING ASSEMBLY	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD1Z
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (STARTING): STARTER WIRING ASSEMBLY: 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 NO. 1 ENGINE COVER SUB-ASSEMBLY

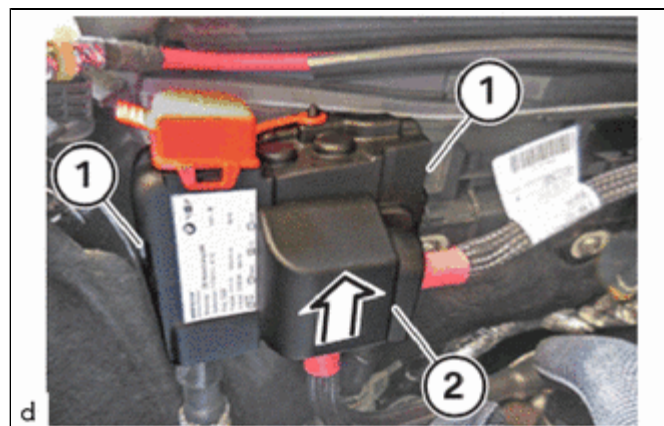
Click here [INFO](#)

3. REMOVE FRONT SUSPENSION MEMBER LOWER PROTECTOR

Click here [INFO](#)

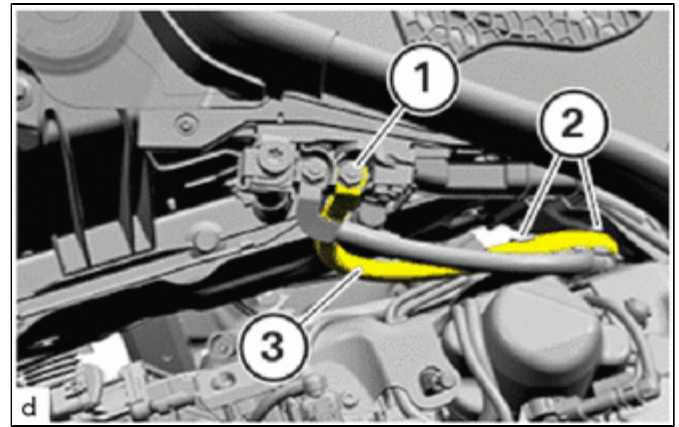
4. REMOVE STARTER WIRING ASSEMBLY

(a) Unlock the locks (1).



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

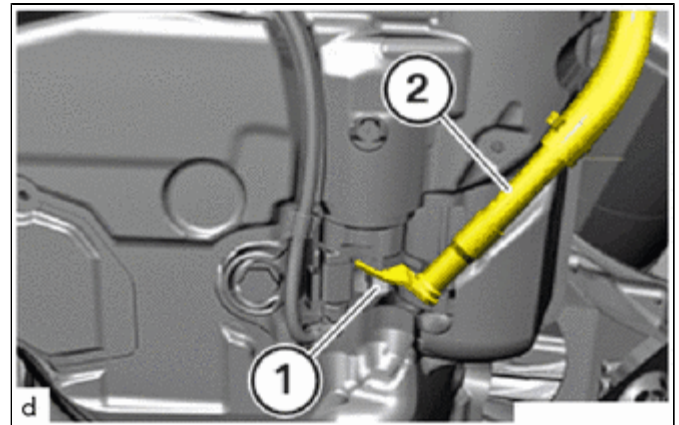
(c) Unfasten nut (1).



(d) Loosen clamps (2).

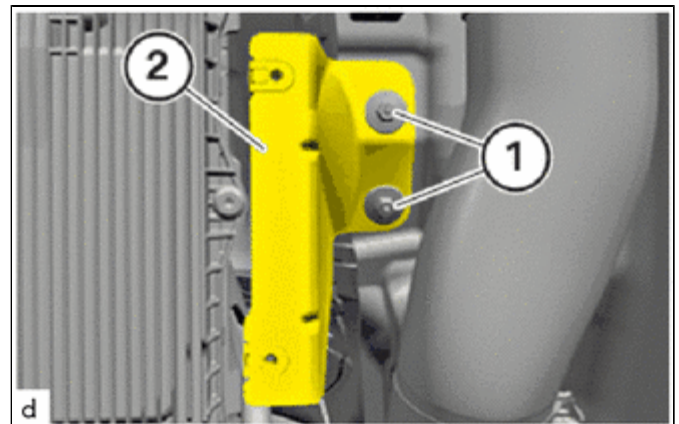
(e) Feed out starter wiring assembly (3) and put to one side.

(f) Unfasten nut (1).



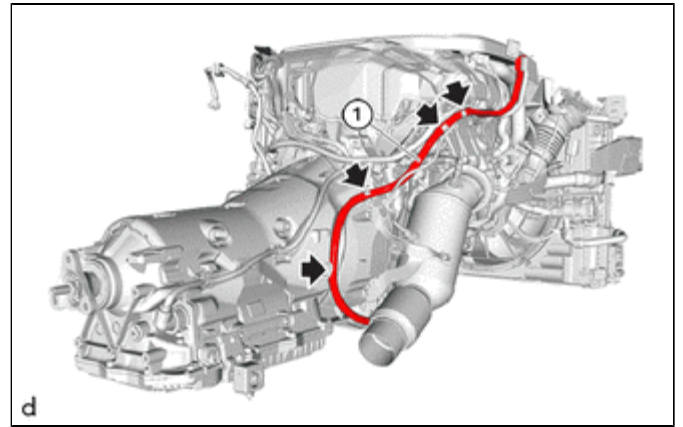
(g) Thread out starter wiring assembly (2) and set it aside.

(h) Loosen nuts (1).



(i) Guide the No. 2 front floor heat Insulator (2) out and remove it.

(j) Release the clamps (arrows).



(k) Remove starter wiring assembly (1).



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD20
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (STARTING): STARTER WIRING ASSEMBLY: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

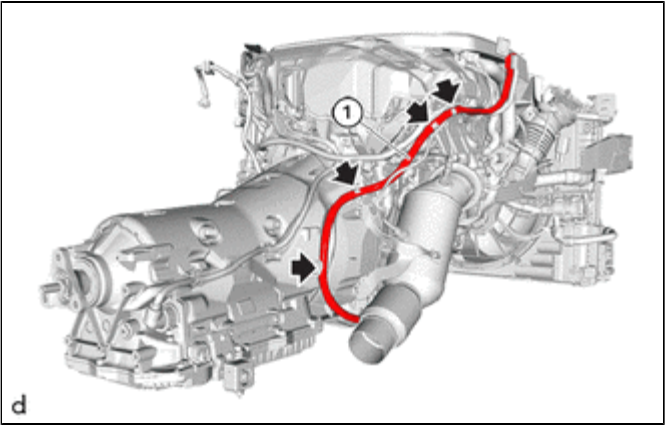
PROCEDURE

1. INSTALL STARTER WIRING ASSEMBLY

CAUTION:

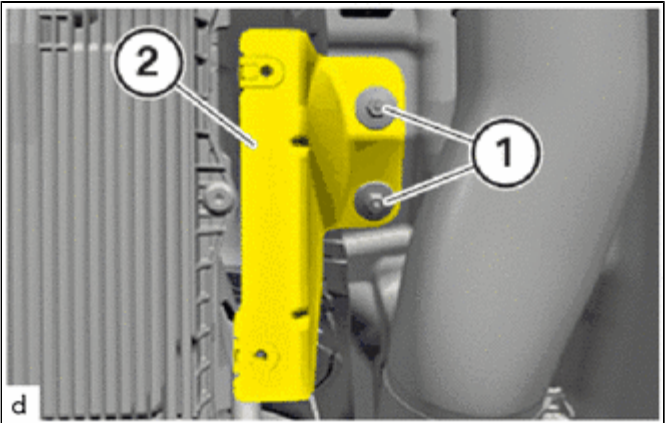
- Improper routing of the positive battery cable.
 - Risk of short circuits!
- Route the positive battery cable without abrasions and do not trap.

(a) Insert and install the starter wiring assembly (1).



(b) Secure the clamps (arrows).

(c) Insert and install the No. 2 front floor heat Insulator (2).

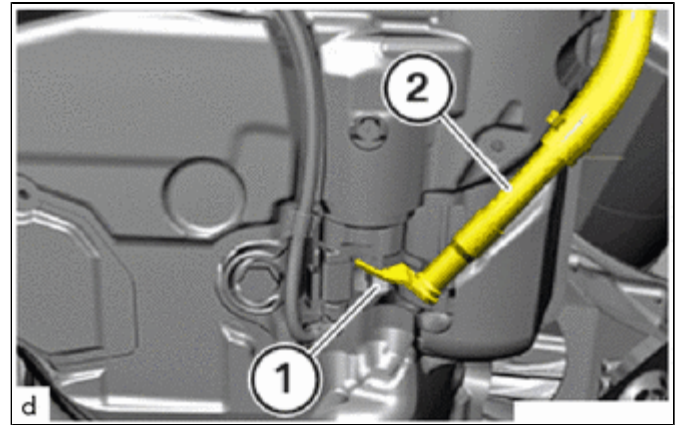


(d) Tighten nuts (1).

Torque:

3.0 N·m {31 kgf·cm, 27 in·lbf}

- (e) Position the starter wiring assembly (2) to the starter assembly.

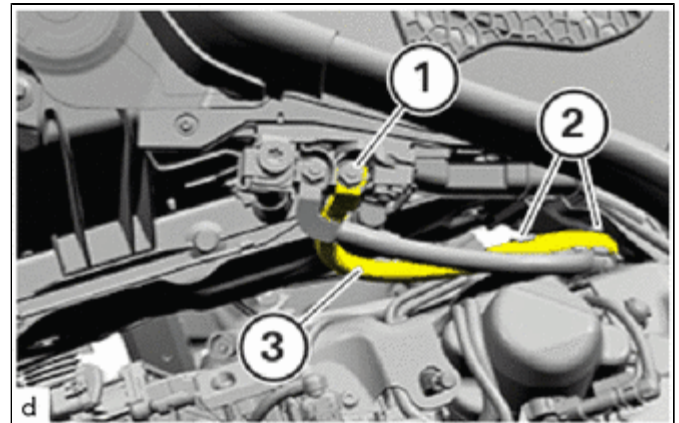


- (f) Tighten nut (1).

Torque:

13.5 N·m {138 kgf·cm, 10 ft·lbf}

- (g) Position the starter wiring assembly (3) to the positive battery terminal.



- (h) Secure clamps (2).

- (i) Tighten nut (1).

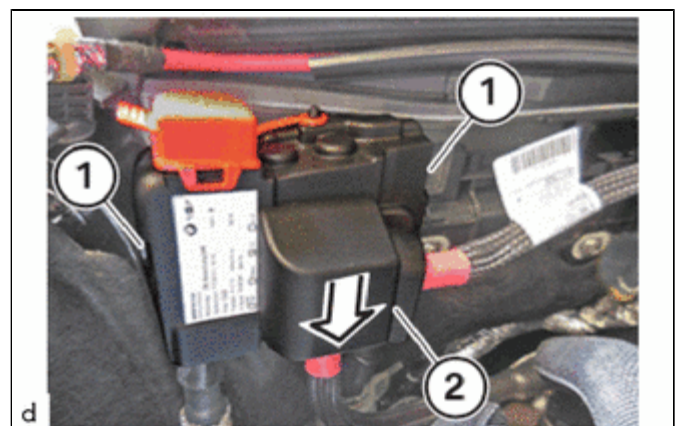
Torque:

19 N·m {194 kgf·cm, 14 ft·lbf}

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

HINT:

The locks (1) must engage audibly.



2. INSTALL FRONT SUSPENSION MEMBER LOWER PROTECTOR

Click here [INFO](#)

3. INSTALL NO. 1 ENGINE COVER SUB-ASSEMBLY

Click here [INFO](#)

4. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

Click here [INFO](#)

