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<b>Model Year Start:</b> 2020	<b>Model:</b> Supra	<b>Prod Date Range:</b> [03/2019 - ]
<b>Title:</b> INTRODUCTION: HOW TO USE THIS MANUAL: GENERAL INFORMATION; 2020 MY Supra [03/2019 - ]		

## GENERAL INFORMATION

### GENERAL DESCRIPTION

- (a) Repair operations can be separated mainly into the following 3 processes:
- (1) Diagnosis
  - (2) Removing/Installing, Replacing, Disassembling/Reassembling, Checking and Adjusting
  - (3) Final Inspection
- (b) The following procedures are omitted from this manual. However, these procedures must be performed.
- (1) Use a jack or lift to perform operations.
  - (2) Clean all removed parts.
  - (3) Perform a visual check before and after performing any work.






### PREPARATION

- (a) Use of Special Service Tools (SST) and Special Service Materials (SSM) may be required, depending on the repair procedure. Be sure to use SST and SSM when they are required and follow the work procedure properly. A list of SST and SSM is in the "Preparation" section of this manual.

### REPAIR PROCEDURES

- (a) A component illustration is placed under the title where necessary.
- (b) Non-reusable parts, grease application areas, precoated parts and torque specifications are noted in the component illustrations.

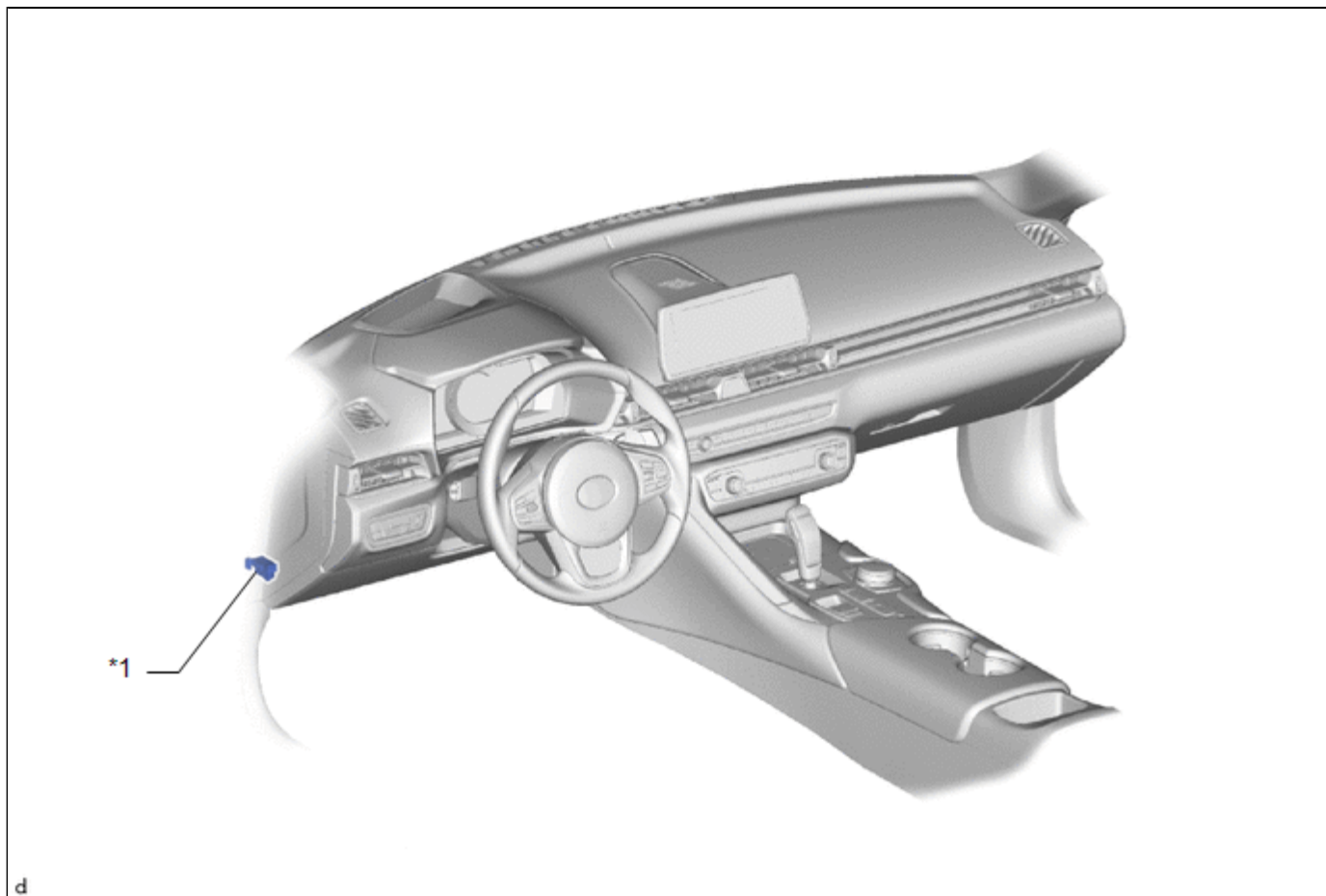
The following illustration is an example.

SYMBOL	CONTENTS
	N*m (kgf*cm, ft.*lbf): Specified torque
	Non-reusable part
	Precoated part
	Apply Lubricant Here
	Do not apply lubricants to the threaded parts

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<b>Title:</b> INTRODUCTION: HOW TO TROUBLESHOOT ECU CONTROLLED SYSTEMS: PARTS LOCATION; 2020 MY Supra [03/2019 - ]		

## PARTS LOCATION

## ILLUSTRATION



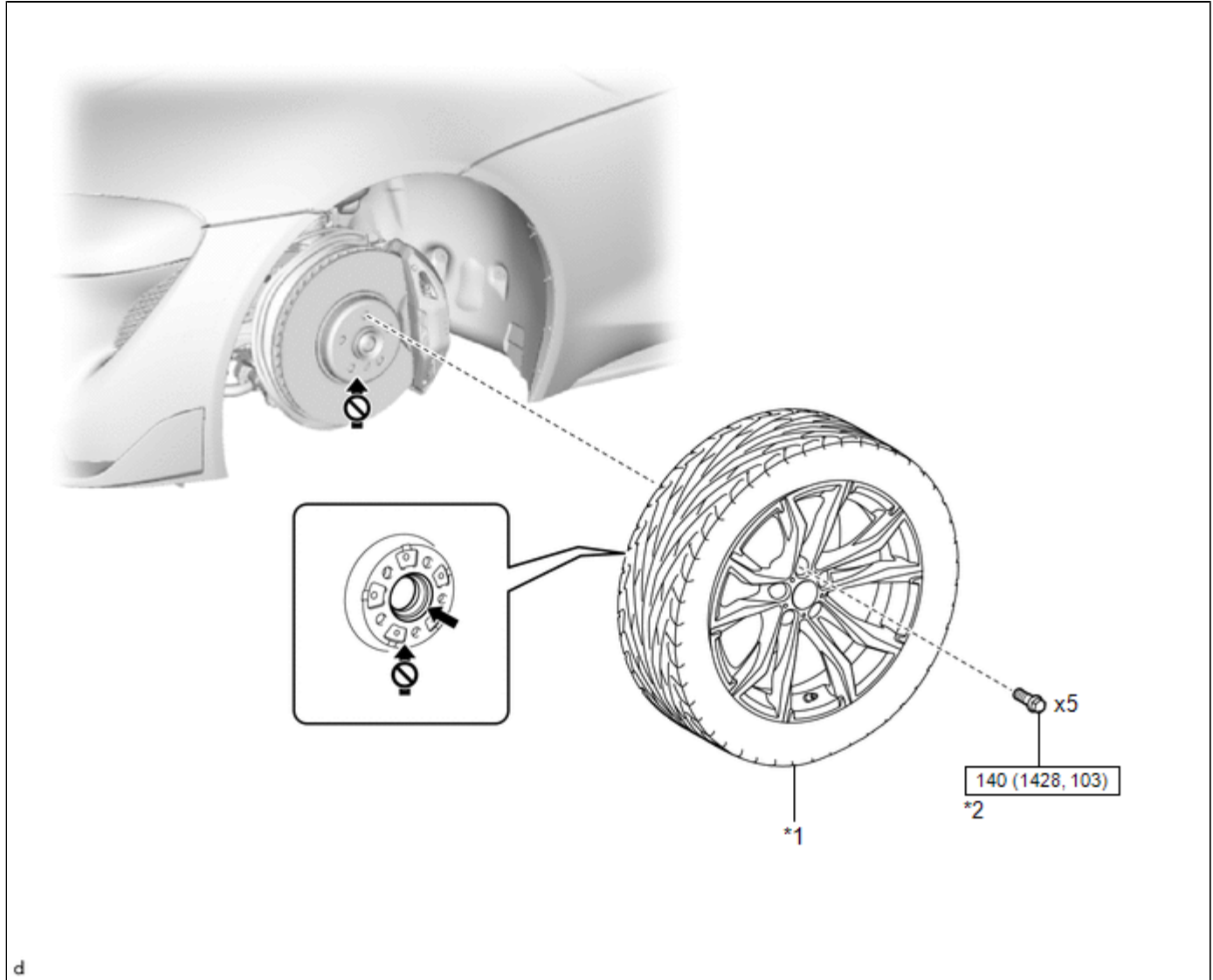
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*1	DLC3	-	-
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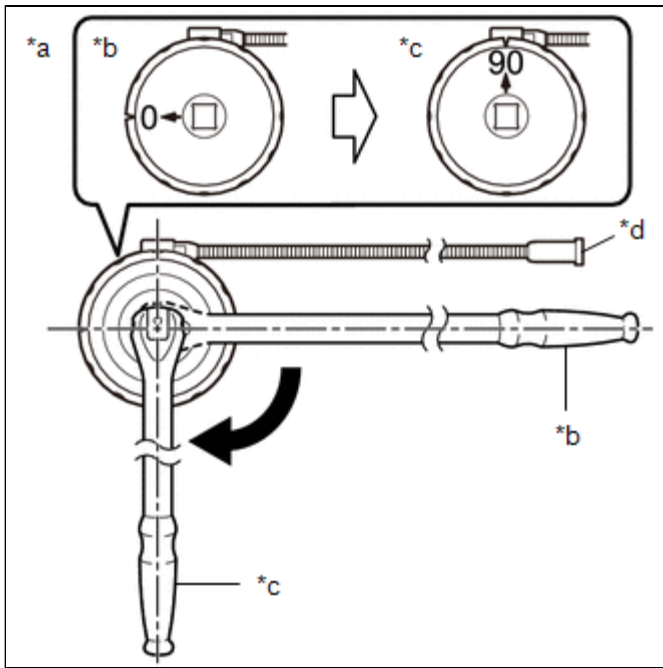
<b>Last Modified:</b> 09-05-2019	6.9:8.0.49	<b>Doc ID:</b> RM100000001JCAA
<b>Model Year Start:</b> 2020	<b>Model:</b> Supra	<b>Prod Date Range:</b> [03/2019 - ]
<b>Title:</b> MAINTENANCE: TIRE AND WHEEL: COMPONENTS; 2020 MY Supra [03/2019 - ]		

## COMPONENTS

## ILLUSTRATION



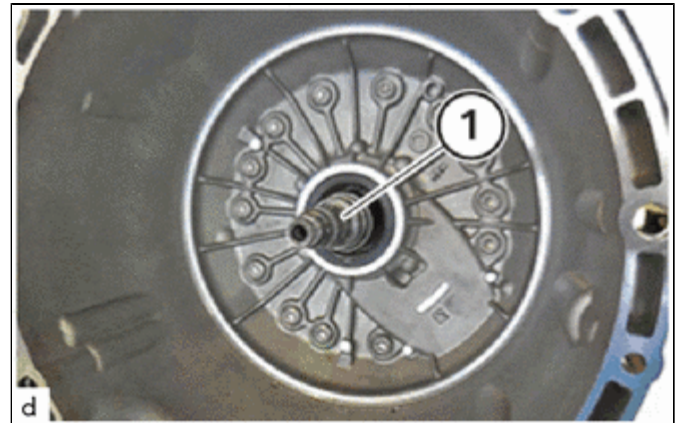
*1	WHEEL ASSEMBLY	*2	AXLE HUB BOLT
	N*m (kgf*cm, ft.*lbf): Specified torque		Brake Pad Paste
	Do not apply lubricants	-	-



*a	Example
*b	Before Tightening
*c	After Tightening
*d	Magnetic Portion

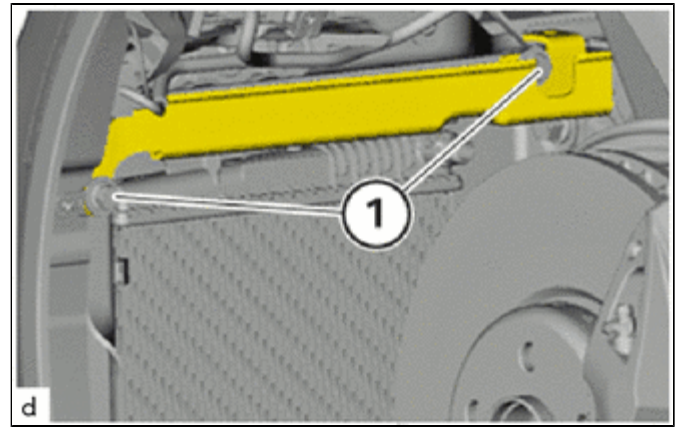
- The magnetic portion is used to secure the gauge to the vehicle.
- After first adjusting the needle of the gauge to 0°, tighten to the specified angle.
- Perform the work procedure carefully so that the gauge, etc. does not become tilted.

(e) Install the O-ring on the drive shaft.

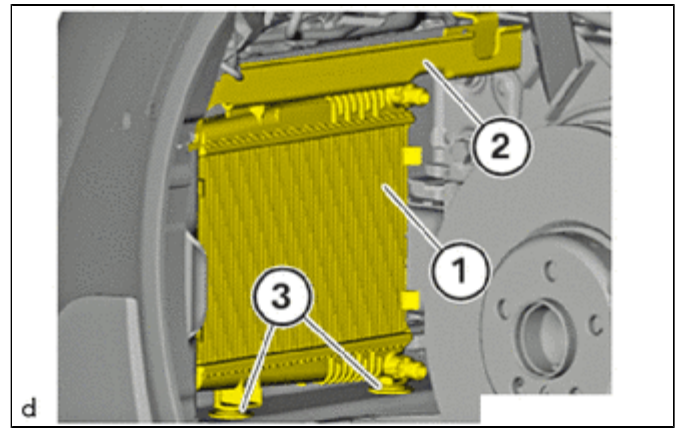


(f) Oil the sealing lip of the torque converter radial shaft seal with ATF.

(c) Loosen T45 bolts (1).

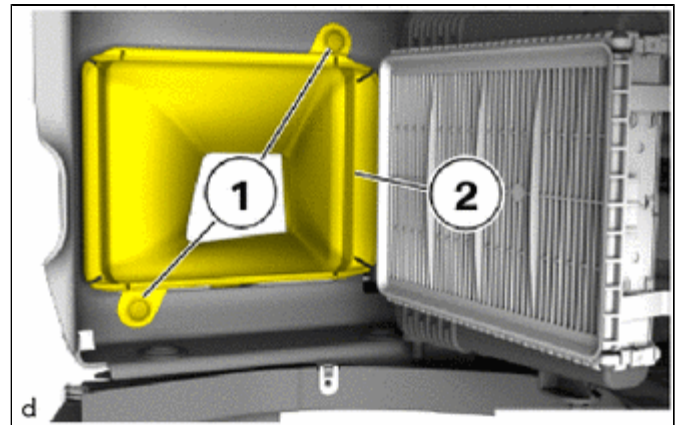


(d) Guide the sub radiator assembly (1) with the front bumper reinforcement support LH (2) out and tie it to the side.



#### 4. REMOVE SUB RADIATOR AIR DUCT LH

(a) Detach expanding clips (1) and remove the sub radiator air duct LH (2).



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### **32. INSTALL AIR CLEANER HOSE ASSEMBLY**

Click here [INFO](#)

### **33. INSTALL AIR CLEANER ASSEMBLY**

Click here [INFO](#)

### **34. INSTALL ENGINE ROOM ECM BOX**

Click here [INFO](#)

### **35. INSTALL NO. 1 INTEGRATION RELAY**

Click here [INFO](#)

### **36. INSTALL CYLINDER HEAD COVER SUB-ASSEMBLY**

Click here [INFO](#)

### **37. INSTALL CAM TIMING OIL CONTROL SOLENOID ASSEMBLY**

Click here [INFO](#)

### **38. REPLACE FUEL INJECTOR SEAL**

Click here [INFO](#)

### **39. INSTALL FUEL INJECTOR ASSEMBLY (for Rear Side)**

Click here [INFO](#)

### **40. INSTALL FUEL INJECTOR ASSEMBLY (for Front Side)**

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### **41. ADJUST FUEL PUMP LIFTER ASSEMBLY**

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### **42. INSTALL FUEL PUMP ASSEMBLY**

Click here [INFO](#)

### **43. INSTALL NO. 1 FUEL PIPE SUB-ASSEMBLY**

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### **44. INSTALL NO. 2 FUEL PIPE SUB-ASSEMBLY**

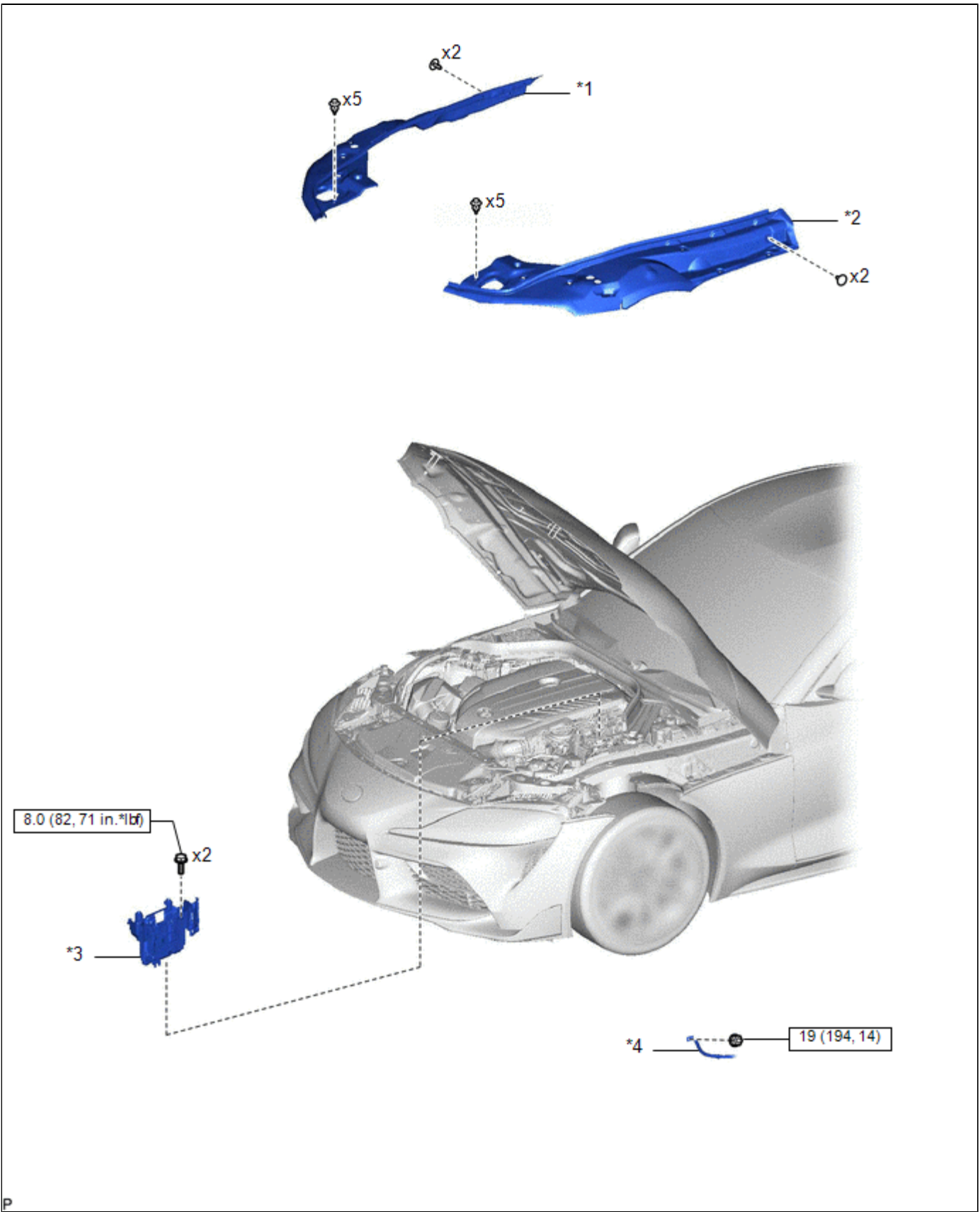
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### **45. INSTALL IGNITION COIL**

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### **46. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**

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*1	FRONT UPPER FENDER PROTECTOR RH	*2	FRONT UPPER FENDER PROTECTOR LH
*3	ENGINE ROOM ECM BOX	*4	GENERATOR WIRE
	N*m (kgf*cm, ft.*lbf): Specified	-	-



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<b>Model Year Start:</b> 2020	<b>Model:</b> Supra	<b>Prod Date Range:</b> [03/2019 - ]
<b>Title:</b> 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:

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## **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**

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### **4. REMOVE INSTRUMENT PANEL FINISH LOWER PANEL**

Click here [INFO](#)

### **5. REMOVE NO. 2 INSTRUMENT SIDE PANEL**

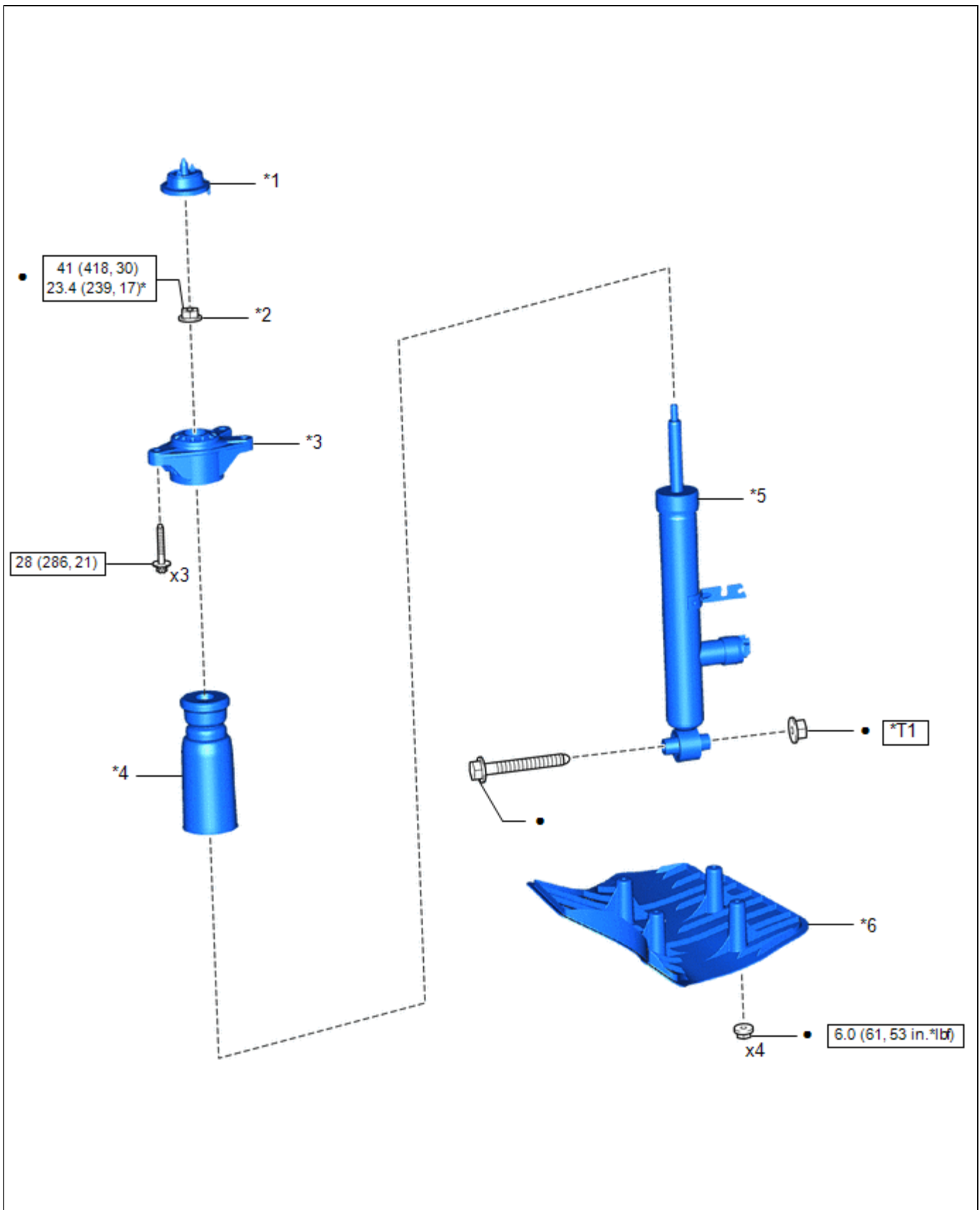
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### **6. REMOVE NO. 1 INSTRUMENT PANEL GARNISH SUB-ASSEMBLY**

Click here [INFO](#)

### **7. REMOVE PUSH START SWITCH**



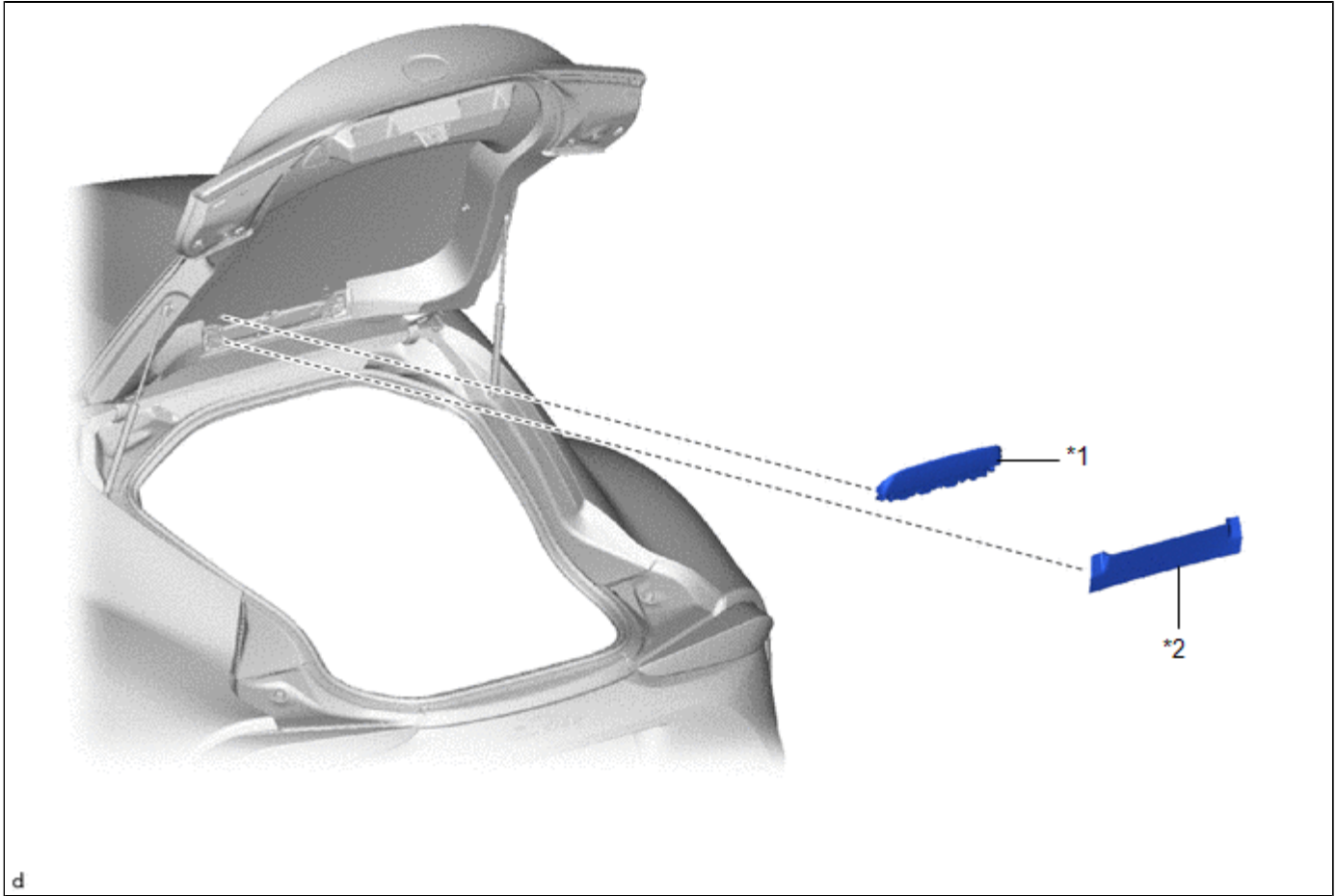


*1	REAR NO. 1 SHOCK ABSORBER CUSHION	*2	REAR SUPPORT TO REAR SHOCK ABSORBER NUT
*3	REAR SUSPENSION SUPPORT ASSEMBLY	*4	REAR NO. 1 SPRING BUMPER
*5	REAR SHOCK ABSORBER ASSEMBLY	*6	REAR SUSPENSION ARM COVER

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<b>Model Year Start:</b> 2020	<b>Model:</b> Supra	<b>Prod Date Range:</b> [03/2019 - ]
<b>Title:</b> LIGHTING (EXT): HIGH MOUNTED STOP LIGHT ASSEMBLY: COMPONENTS; 2020 MY Supra [03/2019 - ]		

## **COMPONENTS**

## **ILLUSTRATION**



d

*1	CENTER STOP LIGHT ASSEMBLY	*2	UPPER BACK DOOR TRIM
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<b>Model Year Start:</b> 2020	<b>Model:</b> Supra	<b>Prod Date Range:</b> [03/2019 - ]
<b>Title:</b> SEAT: BACK SIDE SUPPORT SWITCH: INSTALLATION; 2020 MY Supra [03/2019 - ]		

## **INSTALLATION**

### **CAUTION / NOTICE / HINT**

**CAUTION:**

Wear protective gloves. Sharp areas on the parts may injure your hands.

**HINT:**

- Use the same procedure for the driver side and front passenger side.
- The procedure listed below is for the driver side.

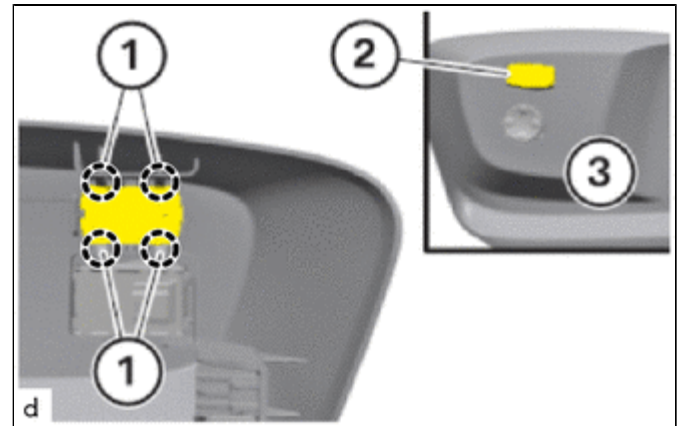
## **PROCEDURE**

### **1. INSTALL FRONT SEATBACK SUPPORT POWER SEAT SWITCH**

(a) Attach the claws (1) to install the front seatback support power seat switch (2) to the front seat cushion shield (3).

**NOTICE:**

Check the attaching sound of the claws (1).



### **2. INSTALL FRONT SEAT CUSHION SHIELD**

Click here [INFO](#)

### **3. INSTALL VERTICAL ADJUSTING HANDLE**

Click here [INFO](#)

### **4. INSTALL NO. 2 RECLINING ADJUSTER RELEASE ARM**

Click here [INFO](#)

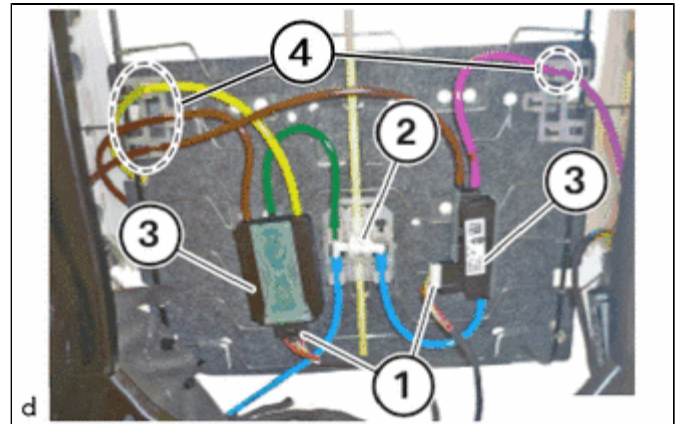
### **5. INSTALL FRONT SEAT SIDE SHIELD**

Click here [INFO](#)

### **6. INSTALL FRONT SEAT ASSEMBLY**

Click here [INFO](#)

(1) Install the valve units (3) correctly to the spring wire.



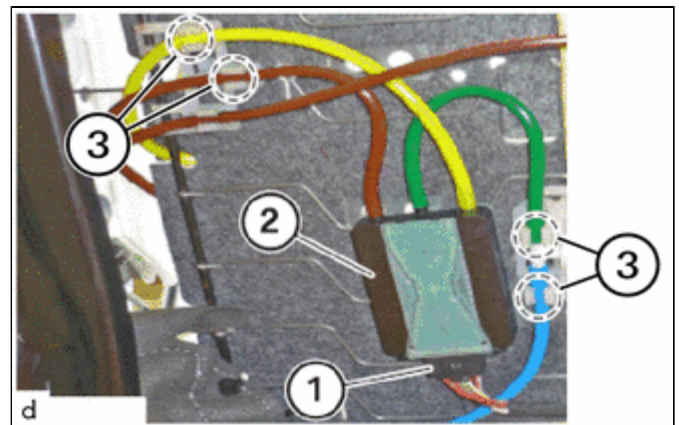
(2) Attach the pneumatic tubes to the holders in the marked area (4).

(3) Connect the pneumatic tubes connector (2).

(4) Connect the connectors (1).

(f) w/o Back Side Support Adjuster:

(1) Install the valve unit (2) correctly to the spring wire.



(2) Attach the pneumatic tubes to the holder in the marked area (3).

(3) Connect the connector (1).

## 2. INSTALL SEPARATE TYPE FRONT SEATBACK COVER WITH PAD (for Manual Seat)

Click here [INFO](#)

## 3. INSTALL SEPARATE TYPE FRONT SEATBACK COVER WITH PAD (for Power Seat)

Click here [INFO](#)

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<b>Model Year Start:</b> 2020	<b>Model:</b> Supra	<b>Prod Date Range:</b> [03/2019 - ]
<b>Title:</b> SUPPLEMENTAL RESTRAINT SYSTEMS: KNEE AIRBAG ASSEMBLY (for Front Passenger Side): REMOVAL; 2020 MY Supra [03/2019 - ]		

## REMOVAL

### CAUTION / NOTICE / HINT

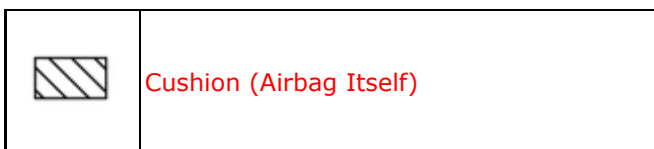
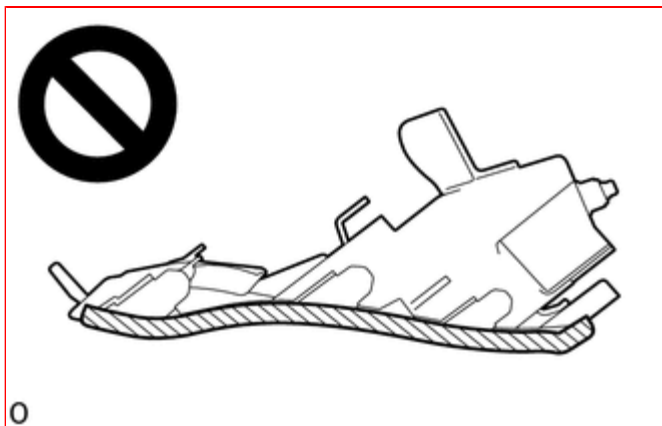
#### **CAUTION:**

- Airbag unit.

Danger! Life-threatening injuries!



- Before performing any work on the airbag, always disconnect the battery earth lead from the battery.
- Airbag unit may only be set down with the cushion (airbag itself) facing upwards.



- All work on pyrotechnic parts may be carried out by technically experienced and appropriately trained personnel only.
- Replace any damaged part or ones that have been dropped.
- For additional information see:

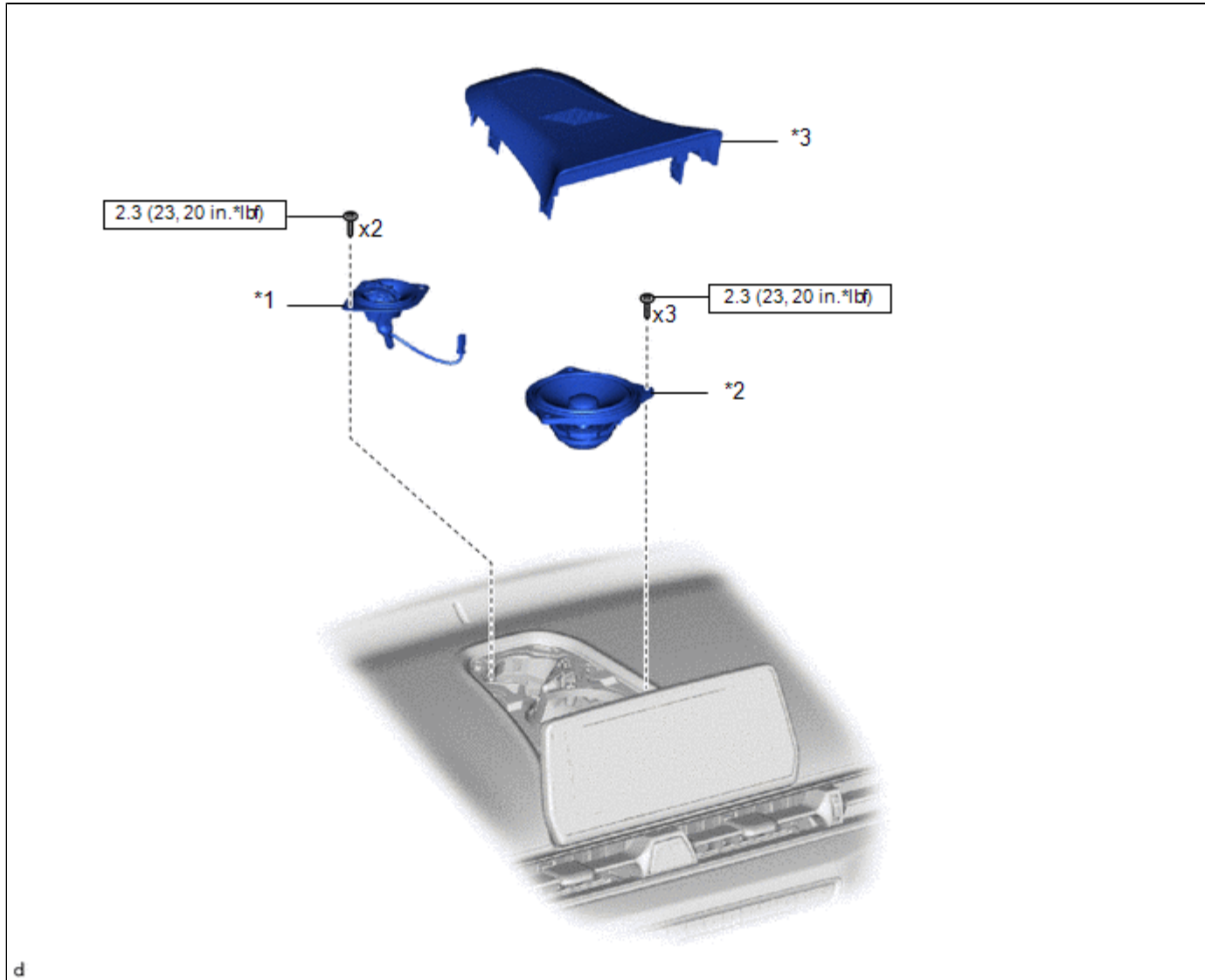
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- Wait at least 60 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.

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<b>Title:</b> AUDIO / VIDEO: INSTRUMENT PANEL SPEAKER: COMPONENTS; 2020 MY Supra [03/2019 - ]		

## COMPONENTS

## ILLUSTRATION



*1	FRONT NO. 3 SPEAKER ASSEMBLY	*2	FRONT NO. 4 SPEAKER ASSEMBLY
*3	INSTRUMENT CLUSTER FINISH CENTER UPPER PANEL	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

(8) Attach the clamp.

## 2. INSTALL REAR CENTER ULTRASONIC SENSOR

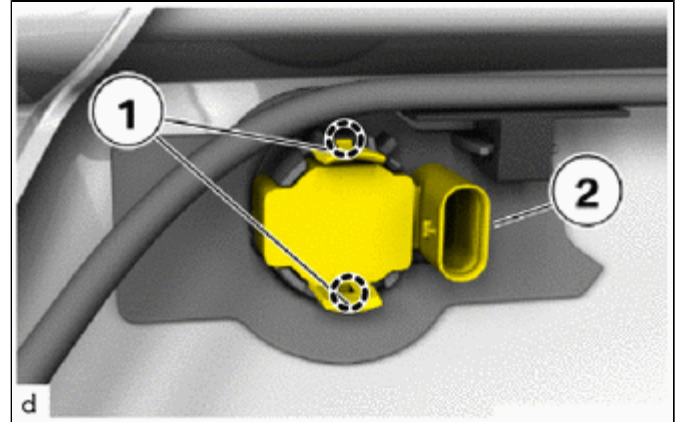
### HINT:

- The illustration is for the LH side.
- orientation for the RH side is the opposite of the LH side.

(a) When removing or replacing the rear center ultrasonic sensor:

(1) Install the ultrasonic sensor O-ring.

(2) Attach the claws (1) to install the rear center ultrasonic sensor (2).



(b) Connect connector and lock.

## 3. INSTALL REAR SIDE ULTRASONIC SENSOR

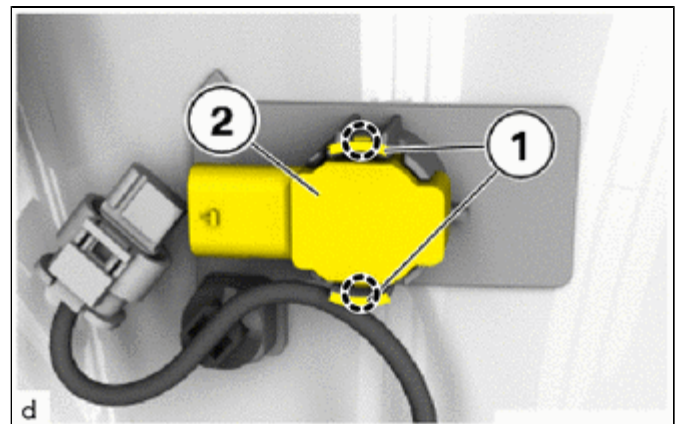
### HINT:

- The illustration is for the LH side.
- orientation for the RH side is the opposite of the LH side.

(a) When removing or replacing the rear side ultrasonic sensor:

(1) Install the ultrasonic sensor O-ring.

(2) Attach the claws (1) to install the rear side ultrasonic sensor (2).



(b) Connect connector and lock.

## 4. INSTALL REAR CORNER ULTRASONIC SENSOR