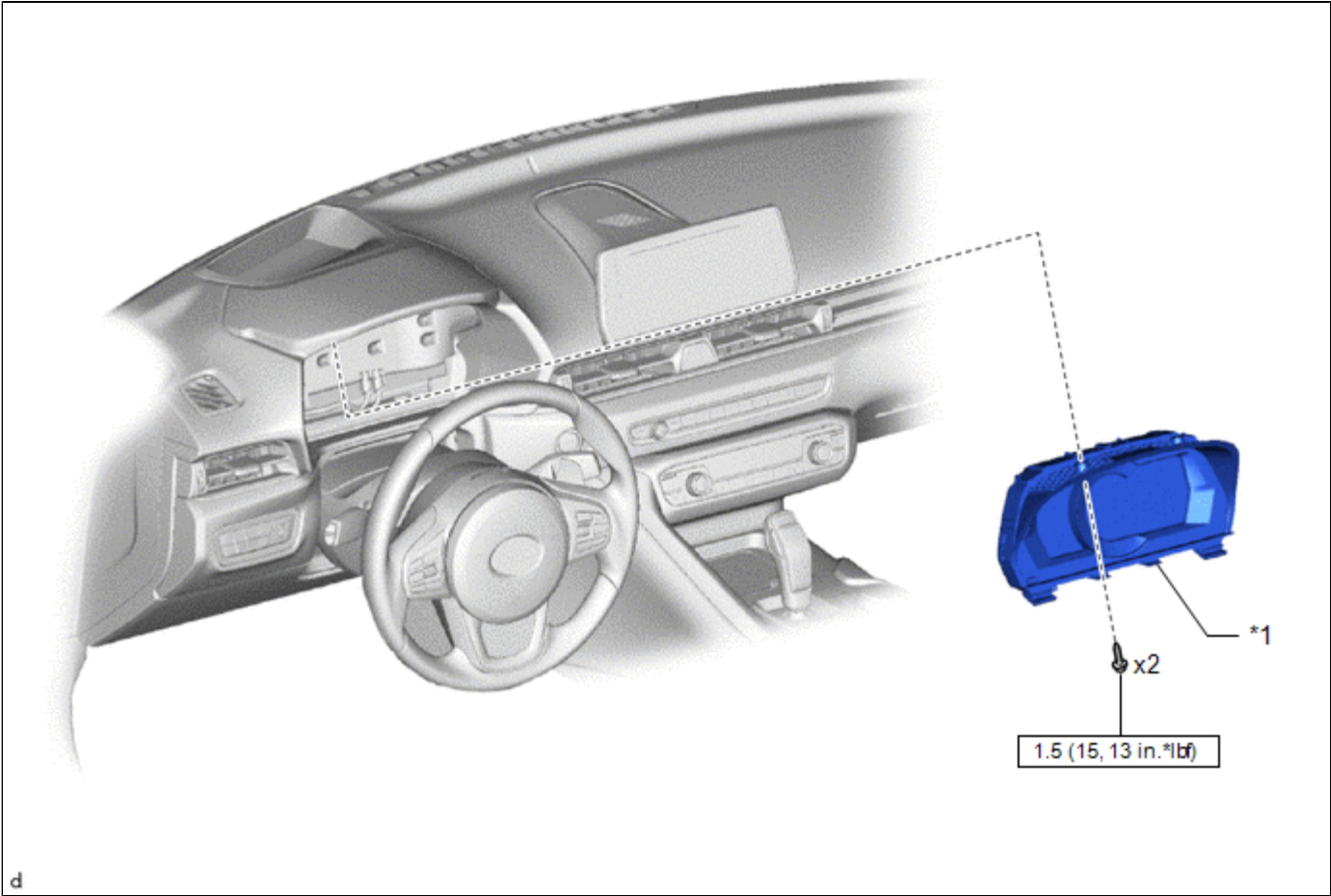


Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCGW
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: METER / GAUGE / DISPLAY: COMBINATION METER: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	COMBINATION METER ASSEMBLY	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCGX
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: METER / GAUGE / DISPLAY: COMBINATION METER: 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!

- Detach 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](#)

- Before performing work on electronic components, disconnect the cable from the negative (-) battery terminal to prevent damage to the electrical system or components.
- When disconnecting the cable, turn the START-STOP button (engine switch) and headlight switch off and loosen the cable nut completely. Perform these operations without twisting or prying on the cable. Then disconnect the cable.
- Clock settings, radio settings, audio system memory, DTCs and other data will be cleared when the cable is disconnected from the negative (-) battery terminal. Write down any necessary data before disconnecting the cable.

HINT:

- Combination meter assembly must be programed after it is replaced.

For additional information see:

Click here [INFO](#)

PROCEDURE

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

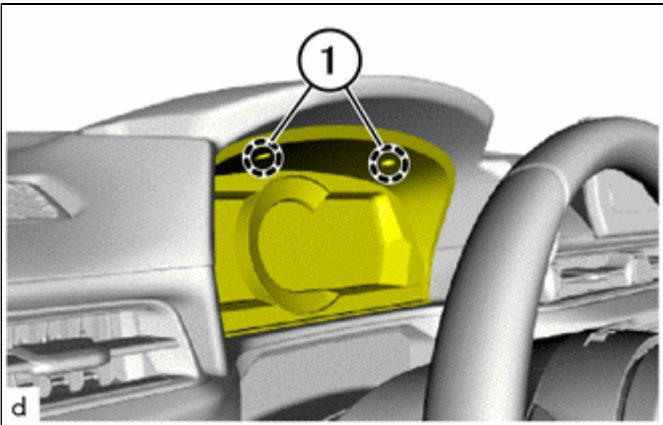
Click here [INFO](#)

2. ADJUST THE STEERING COLUMN POSITION

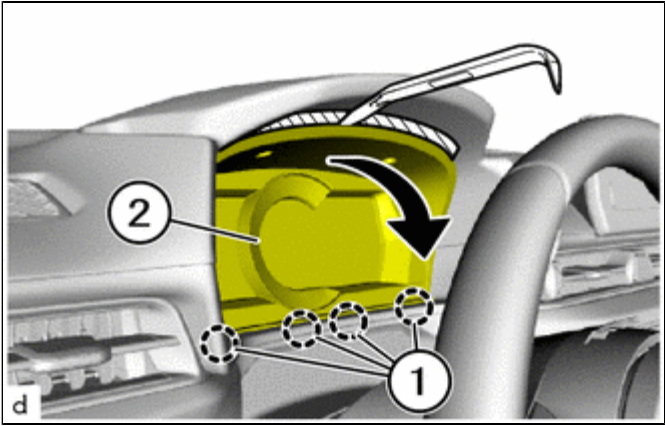
- Adjust the length of the steering column to the maximum length.
- Move the steering column to the lowest steering column position.

3. REMOVE COMBINATION METER ASSEMBLY

(a) Loosen T20 screws (1).



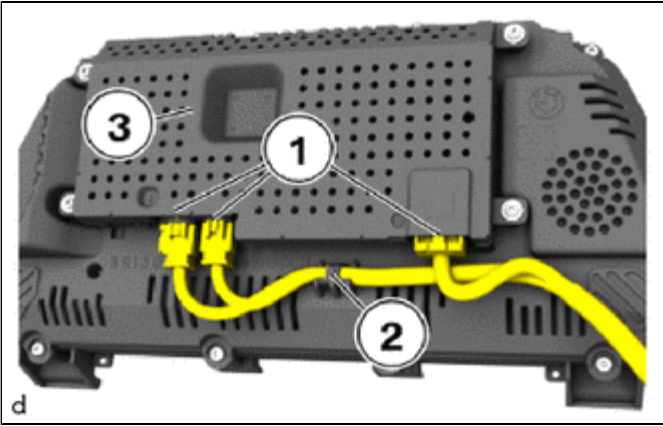
(b) Apply protective tape as shown in the illustration.



	Rotate
	Protective Tape

(c) Using a molding remover A, rotate the combination meter assembly (2) forward in direction of arrow.

(d) Detach the retaining tabs (1) to pull the combination meter assembly (2) forward.



(e) Unlock and disconnect plug connections (1).

(f) Detach wiring harness from the holder (2).

(g) Removing the combination meter assembly (3).



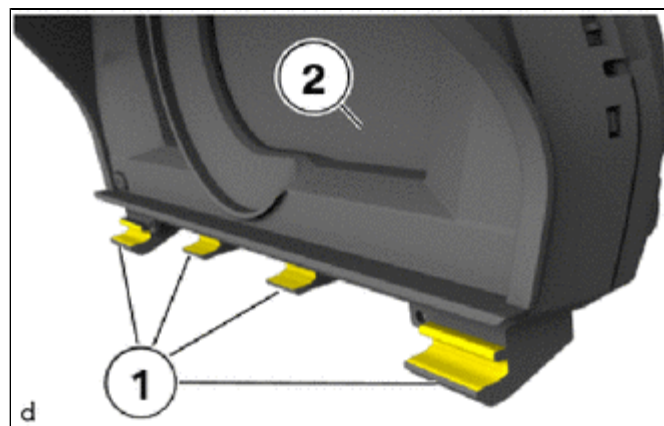
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCGY
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: METER / GAUGE / DISPLAY: COMBINATION METER: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

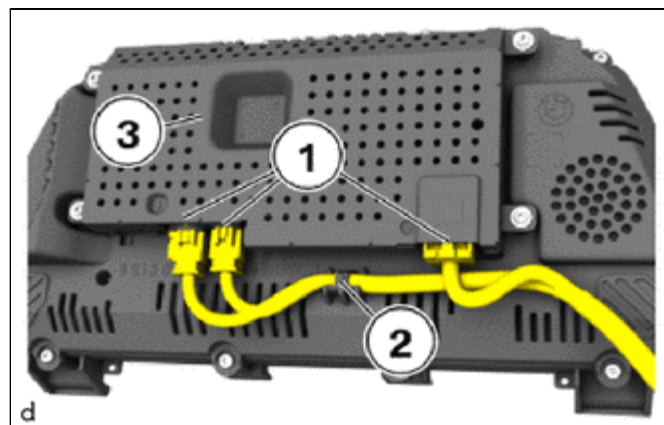
PROCEDURE

1. INSTALL COMBINATION METER ASSEMBLY

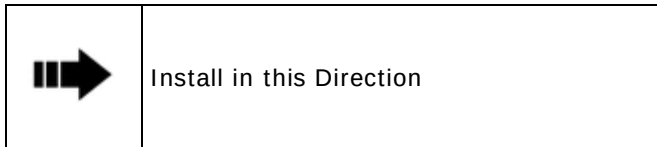
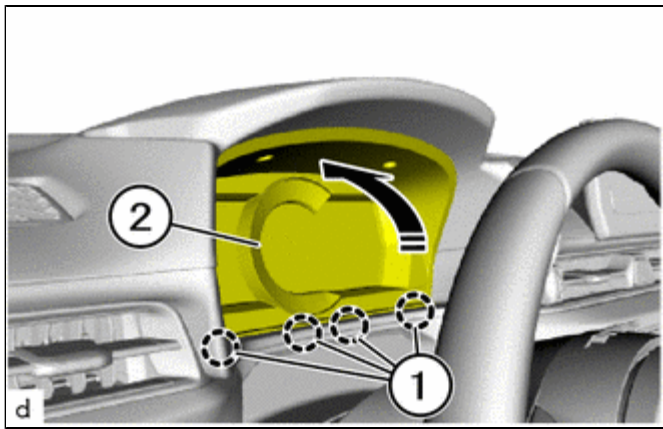
- (a) When installing the combination meter assembly (2), make sure that the retaining tabs (1) are positioned correctly.



- (b) Attach wiring harness in the holder (2) on the combination meter assembly (3).



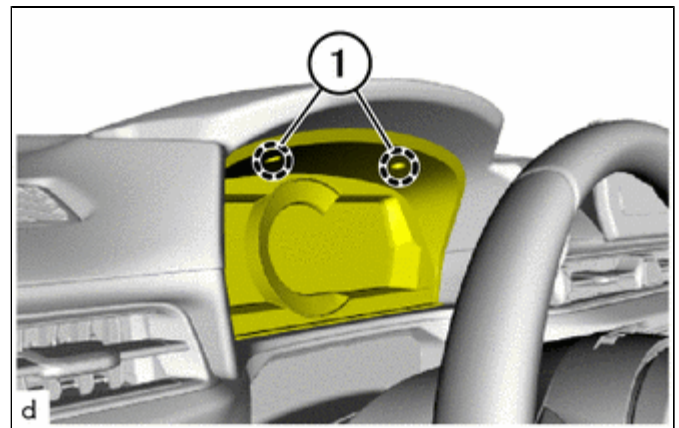
- (c) Connect connectors (1) and lock.
- (d) Position combination meter assembly (2) and attach the retaining tabs (1) to install it in direction of arrow.



(e) Tighten the T20 screws (1).

Torque:

1.5 N·m {15 kgf·cm, 13 in·lbf}



2. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

Click here [INFO](#)

3. ENCODE / PROGRAM CONTROL UNIT(S)

NOTICE:

- Use the most recent software version to prevent faults during programming/encoding.
- The battery voltage must not drop below 13.0 V during programming.
- Use only recommended chargers for a low-voltage vehicle electrical system.
- Do not exceed the maximum charging voltage of 14.8 V when charging the battery.
- When there is communication abnormality in the middle of work, control unit might be damaged.

(a) Connect the battery charger to the vehicle.

(b) Connect the diagnosis system with the vehicle.

(c) Determine the action plan.

Service plan / Programming plan / Action plan / Calculate action plan

(d) Accept and fully process the measures plan.

Service plan / Programming plan / Action plan / Perform action plan

(e) Wait until programming/encoding has been completed.

NOTICE:

When there is communication abnormality in the middle of work, control unit might be damaged.

(f) Carry out vehicle test.

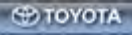
Vehicle management / Troubleshooting / Fault memory / Calculate test plan

(g) Delete the fault memory.

Vehicle management / Troubleshooting / Fault memory / Delete fault memory

(h) Disconnect the diagnosis system from the vehicle.

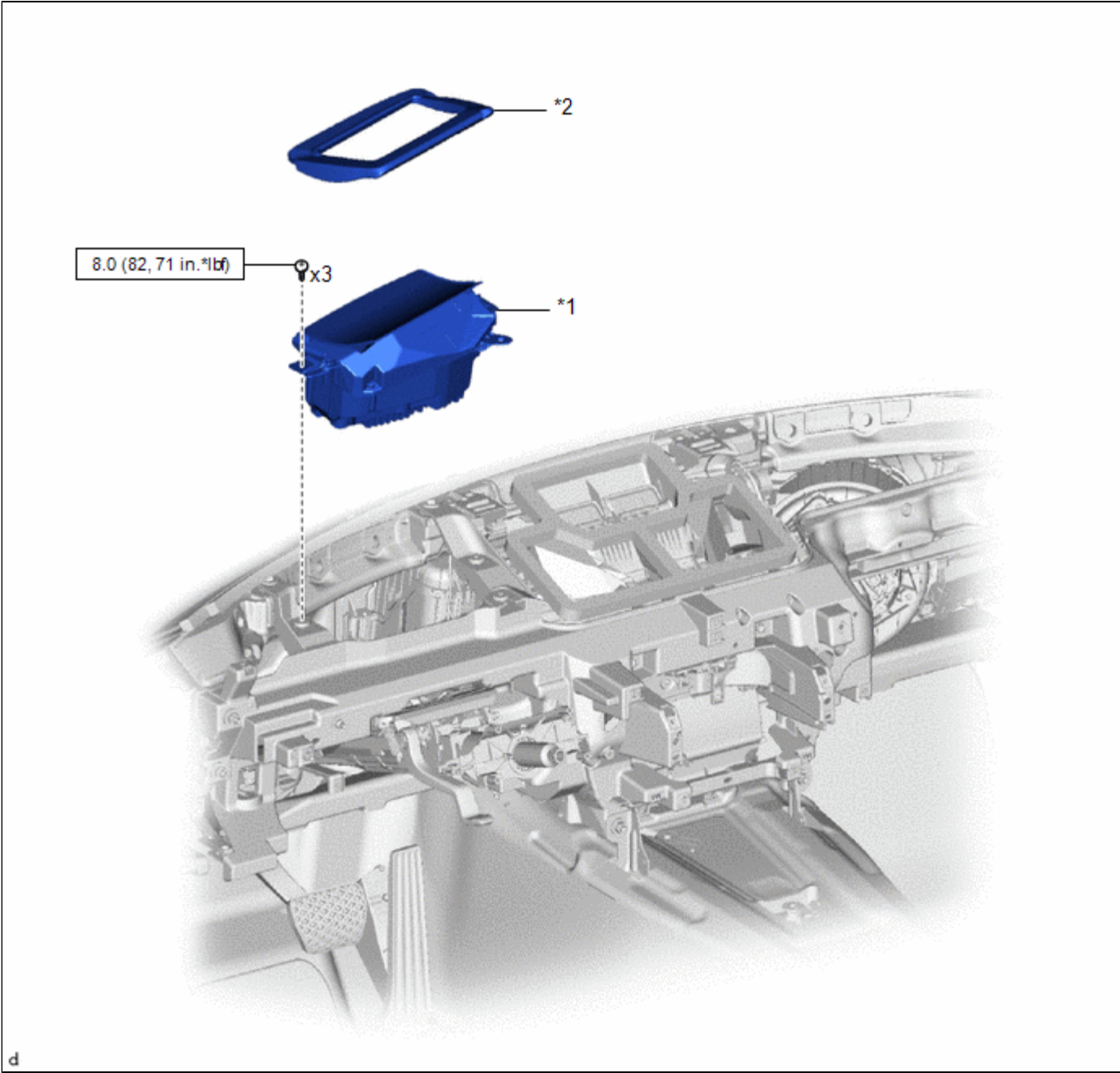
(i) Disconnect the battery charger from the vehicle.



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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: METER / GAUGE / DISPLAY: HEADUP DISPLAY: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	METER MIRROR SUB-ASSEMBLY	*2	NO. 1 INSTRUMENT CLUSTER FINISH PANEL SEAL
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCH0
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: METER / GAUGE / DISPLAY: HEADUP DISPLAY: 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!

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

- Pyrotechnic components.

Danger! Life-threatening injuries!



- All work on pyrotechnic parts may be carried out by technically experienced and appropriately trained personnel only.
- Some of these service operations affect the SRS airbag system. Read the precautionary notices concerning the SRS airbag system before servicing.
- Replace any damaged part or ones that have been dropped.
- For additional information see:

Click here [INFO](#)

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](#)

- Before performing work on electronic components, disconnect the cable from the negative (-) battery terminal to prevent damage to the electrical system or components.
- When disconnecting the cable, turn the START-STOP button (engine switch) and headlight switch off and loosen the cable nut completely. Perform these operations without twisting or prying on the cable. Then disconnect the cable.

- Clock settings, radio settings, audio system memory, DTCs and other data will be cleared when the cable is disconnected from the negative (-) battery terminal. Write down any necessary data before disconnecting the cable.

HINT:

- Meter mirror sub-assembly must be programmed after it is replaced.

For additional information see:

Click here [INFO](#)

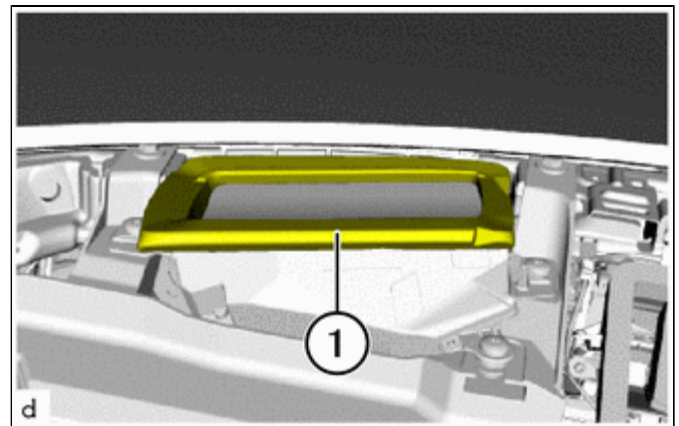
PROCEDURE

1. REMOVE INSTRUMENT PANEL SAFETY PAD ASSEMBLY

Click here [INFO](#)

2. REMOVE NO. 1 INSTRUMENT CLUSTER FINISH PANEL SEAL

(a) Remove the No. 1 instrument cluster finish panel seal (1).



3. REMOVE METER MIRROR SUB-ASSEMBLY

NOTICE:

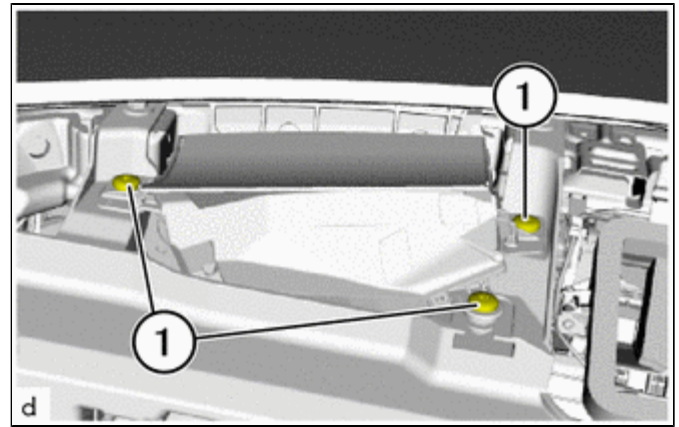
- Electrostatic discharge.

Damage to or destruction of electrical components.

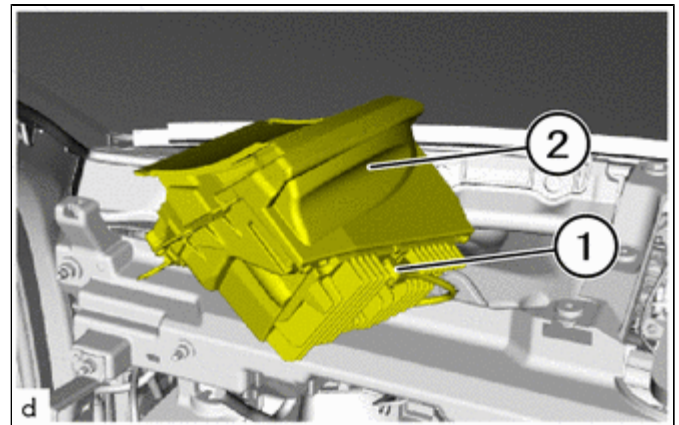
- Leave electrical components in original packaging until just before they are installed. Use the original packaging only for any return shipments. Always package removed components straight away.
- Only touch the housings of electrical components. Do not touch pins or multi-pin connectors directly.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

Click here [INFO](#)

(a) Remove the T30 bolts (1).



(b) Feed out meter mirror sub-assembly (2) from instrument panel reinforcement sub-assembly.



(c) Unlock plug connection (1) and disconnect.

(d) Remove the meter mirror sub-assembly (2).



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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: METER / GAUGE / DISPLAY: HEADUP DISPLAY: INSTALLATION; 2020 MY Supra [03/2019 -]		

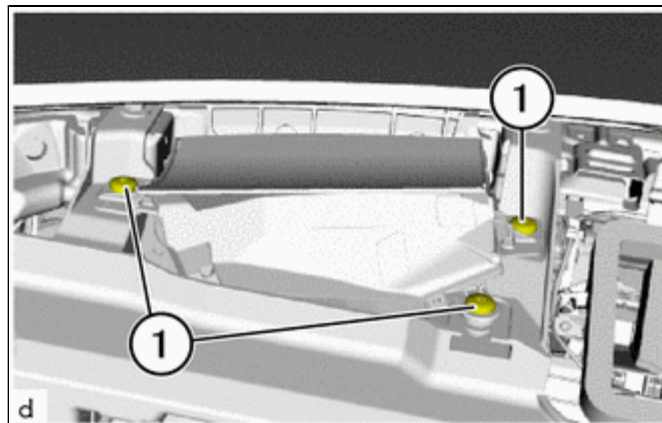
INSTALLATION

PROCEDURE

1. INSTALL METER MIRROR SUB-ASSEMBLY

- (a) Connect the associated connector to the meter mirror sub-assembly and lock.

- (b) Temporarily install the meter mirror sub-assembly with T30 bolts (1).



- (c) Tighten the T30 bolts (1).

Torque:

8.0 N·m { 82 kgf·cm, 71 in·lbf }

2. INSTALL NO. 1 INSTRUMENT CLUSTER FINISH PANEL SEAL

- (a) Install the No. 1 instrument cluster finish panel seal.

3. INSTALL INSTRUMENT PANEL SAFETY PAD ASSEMBLY

Click here [INFO](#)

4. ENCODE / PROGRAM CONTROL UNIT(S)

NOTICE:

- Use the most recent software version to prevent faults during programming/encoding.
- The battery voltage must not drop below 13.0 V during programming.
- Use only recommended chargers for a low-voltage vehicle electrical system.
- Do not exceed the maximum charging voltage of 14.8 V when charging the battery.
- When there is communication abnormality in the middle of work, control unit might be damaged.

- (a) Connect the battery charger to the vehicle.
- (b) Connect the diagnosis system with the vehicle.
- (c) Determine the action plan.

Service plan / Programming plan / Action plan / Calculate action plan

- (d) Accept and fully process the measures plan.

Service plan / Programming plan / Action plan / Perform action plan

(e) Wait until programming/encoding has been completed.

NOTICE:

When there is communication abnormality in the middle of work, control unit might be damaged.

(f) Carry out vehicle test.

Vehicle management / Troubleshooting / Fault memory / Calculate test plan

(g) Delete the fault memory.

Vehicle management / Troubleshooting / Fault memory / Delete fault memory

(h) Disconnect the diagnosis system from the vehicle.

(i) Disconnect the battery charger from the vehicle.



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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: METER / GAUGE / DISPLAY: LIGHT CONTROL RHEOSTAT: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	INSTRUMENT PANEL FINISH PANEL SUB-ASSEMBLY	*2	LIGHT CONTROL RHEOSTAT (NO. 1 LIGHT CONTROL SWITCH ASSEMBLY)
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Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCH3
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: METER / GAUGE / DISPLAY: LIGHT CONTROL RHEOSTAT: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

Click here [INFO](#)



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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: METER / GAUGE / DISPLAY: LIGHT CONTROL RHEOSTAT: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

CAUTION / NOTICE / HINT

Click here [INFO](#)

