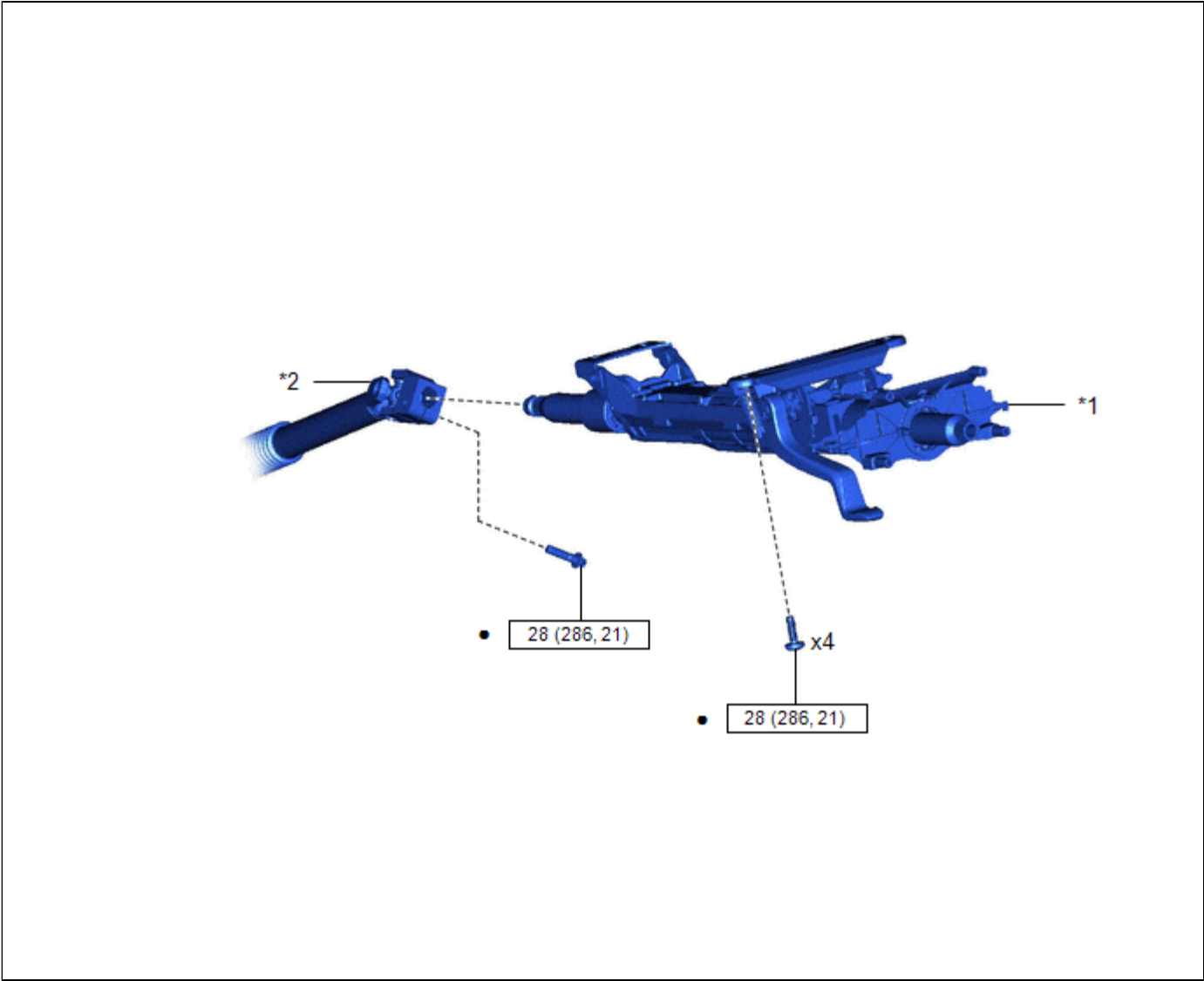


Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JDHR
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING COLUMN ASSEMBLY: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	STEERING COLUMN ASSEMBLY	*2	STEERING INTERMEDIATE SHAFT ASSEMBLY
	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JDHS
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING COLUMN ASSEMBLY: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Pyrotechnic components.

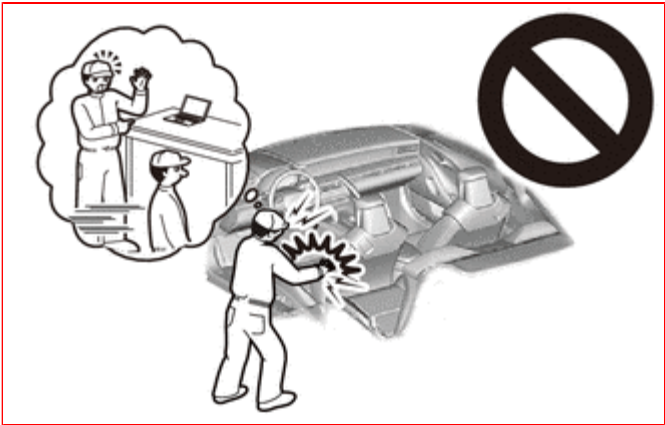
Danger! Life-threatening injuries!

- 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:

Click here [INFO](#)

- 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



	Cushion (Airbag Itself)
---	-------------------------

- For additional information see:

[Click here](#) [INFO](#)

PROCEDURE

1. REMOVE FRONT SUSPENSION MEMBER LOWER PROTECTOR

[Click here](#) [INFO](#)

2. DISCONNECT STEERING INTERMEDIATE SHAFT ASSEMBLY

[Click here](#) [INFO](#)

3. REMOVE TURN SIGNAL SWITCH ASSEMBLY

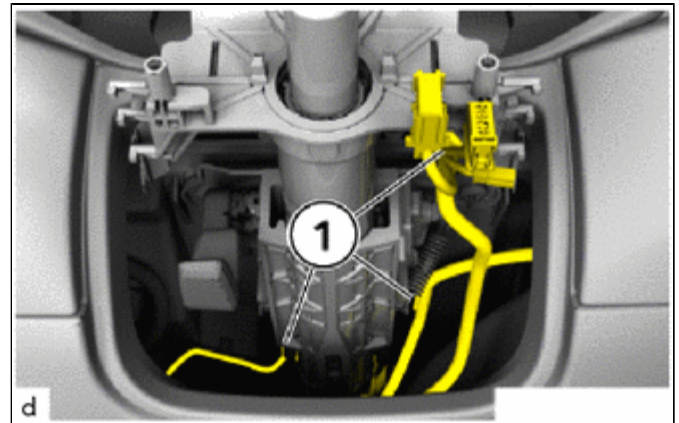
[Click here](#) [INFO](#)

4. REMOVE LOWER NO. 1 INSTRUMENT PANEL AIRBAG ASSEMBLY

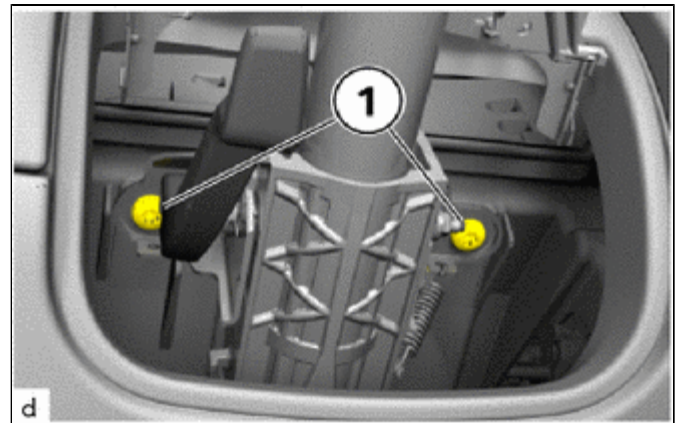
[Click here](#) [INFO](#)

5. REMOVE STEERING COLUMN ASSEMBLY

- (a) Release the vehicle wiring harness from the brackets (1) and put to one side.



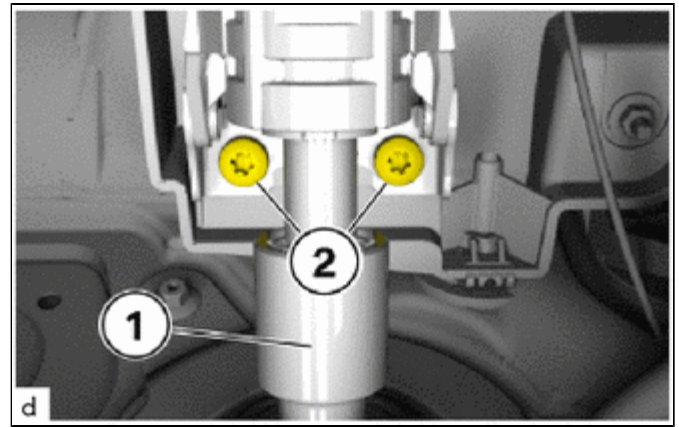
- (b) Loosen T45 bolts (1).



(c) Release the T45 bolts (2) and remove the steering column assembly (1).

NOTICE:

Secure the steering column (1) against dropping.



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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING COLUMN ASSEMBLY: INSPECTION; 2020 MY Supra [03/2019 -]		

INSPECTION

PROCEDURE

1. NOTES ON REPLACEMENT OF STEERING COLUMN AND STEERING INTERMEDIATE SHAFT ASSEMBLY FOLLOWING ACCIDENT DAMAGE

- (a) In the event of accidents or driving conditions similar to accidents, shock-like loads can cause different types of damage to the steering intermediate shaft assembly and steering column. In case no external damaged of the steering column and the steering intermediate shaft assembly can be noticed, it is sometimes only possible to identify damage with great difficulty and with great effort.

2. PROCEDURE FOR STEERING COLUMN AND STEERING INTERMEDIATE SHAFT ASSEMBLY

- (a) The steering column and steering intermediate shaft assembly must be renewed if one or more of the following points apply.
- (1) Visible or noticeable damage, deformation or breakage of the steering column or steering intermediate shaft assembly
 - (2) Damage, permanent deformation or breakages on tie rod end sub-assemblies
 - (3) Unacceptable torque increase and jamming when the steering column is cranked from limit position to limit position (without electrical assistance)
- (b) Positive check for activated crash system of the steering column

HINT:

If no damage is visible on the steering column, mechanical steering columns must be checked for an activated crash system.

- (1) Open steering column lock
- (2) Pull steering wheel out towards the driver (towards the body) until the physical limit position is reached, but do not use excessive force
- (3) Push steering wheel towards engine compartment (approx. 20 to 30 mm (0.79 to 1.18 in.) away from body) into the comfort position and lock

HINT:

If no end stop is present when pulling out the steering column or the gaiter of the steering column shroud has tension, the crash system has activated and the steering column is to be renewed.

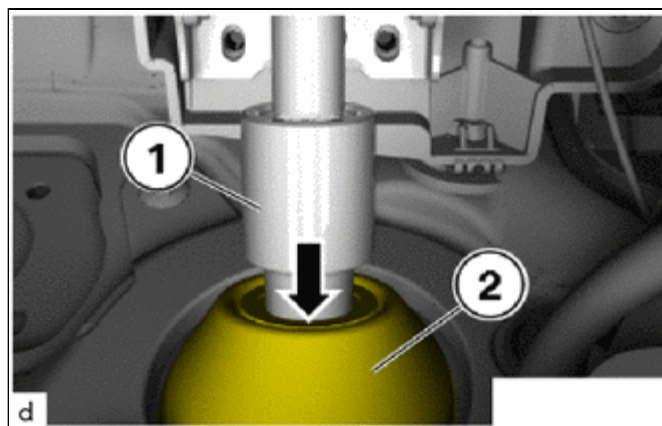
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JDHT
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING COLUMN ASSEMBLY: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

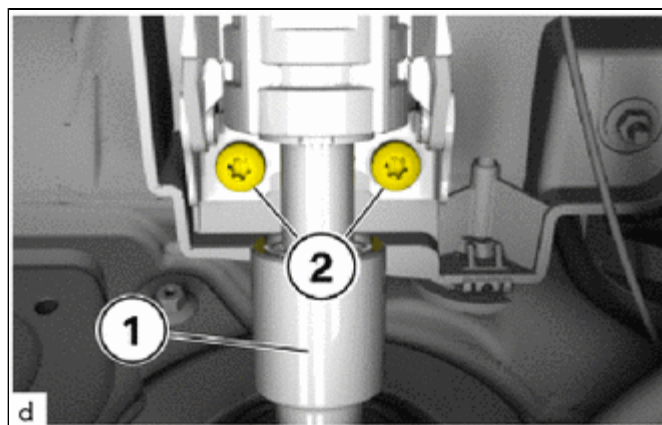
PROCEDURE

1. INSTALL STEERING COLUMN ASSEMBLY

- (a) Guide steering column assembly (1) into No. 1 steering column hole cover sub-assembly (2) during positioning.



- (b) Replace T45 bolts (2).

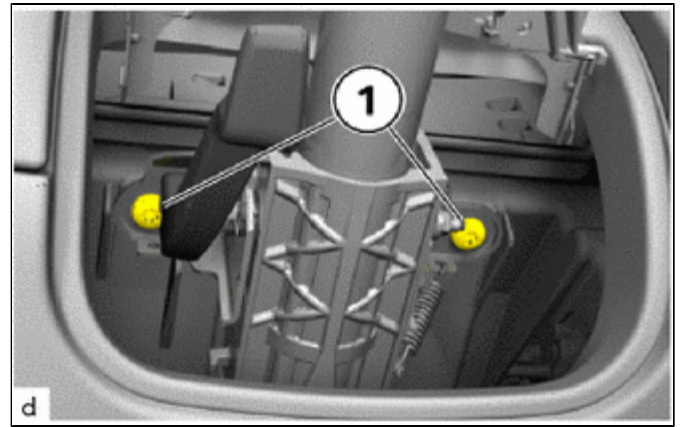


- (c) Position T45 bolts (2) on the steering column assembly (1).

HINT:

Do not tighten the bolts yet.

(d) Replace T45 bolts (1).



(e) Position T45 bolts (1) on the steering column assembly at the top.

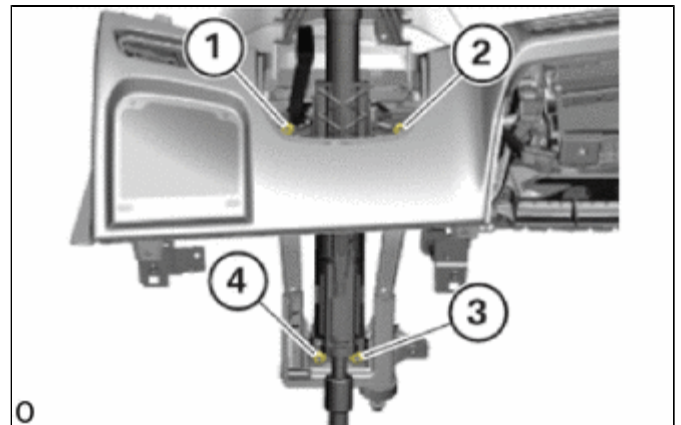
HINT:

Tightening occurs in the sequence in the next work step.

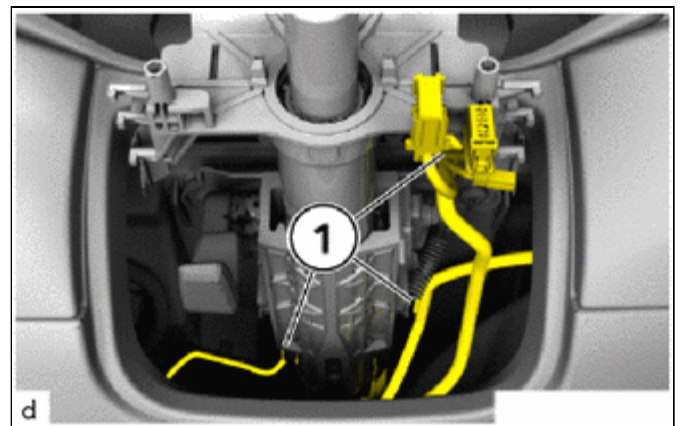
(f) The bolts must be tightened in the order (1) to (4).

Torque:

28 N·m {286 kgf·cm, 21 ft·lbf}



(g) Clip in the vehicle wiring harness into the bracket (1).



2. INSTALL LOWER NO. 1 INSTRUMENT PANEL AIRBAG ASSEMBLY

Click here [INFO](#)

3. INSTALL TURN SIGNAL SWITCH ASSEMBLY

Click here [INFO](#)

4. CONNECT STEERING INTERMEDIATE SHAFT ASSEMBLY

Click here [INFO](#)

5. INSTALL FRONT SUSPENSION MEMBER LOWER PROTECTOR

Click here [INFO](#)

6. INSPECT AIRBAG FOR FUNCTION

- (a) Turn the steering wheel in both directions to the limit position.
- (b) The airbag indicator light lights up:
 - (1) Replace the spiral cable sub-assembly.

7. START-UP OF ELECTROMECHANICAL STEERING

- (a) Connect the diagnosis system to the vehicle and enter the following menus:
Vehicle management / Service functions / Chassis / Electromechanical power steering / EPS: Steering start-up

8. INSPECT STRAIGHT-AHEAD DRIVING POSITION OF THE STEERING WHEEL

- (a) During straight-ahead driving:
 - (1) Check for correct straight-ahead driving position of the steering wheel.
- (b) The steering wheel has an inclination:
 - (1) Move the steering shaft on the bottom at the steering column.

HINT:

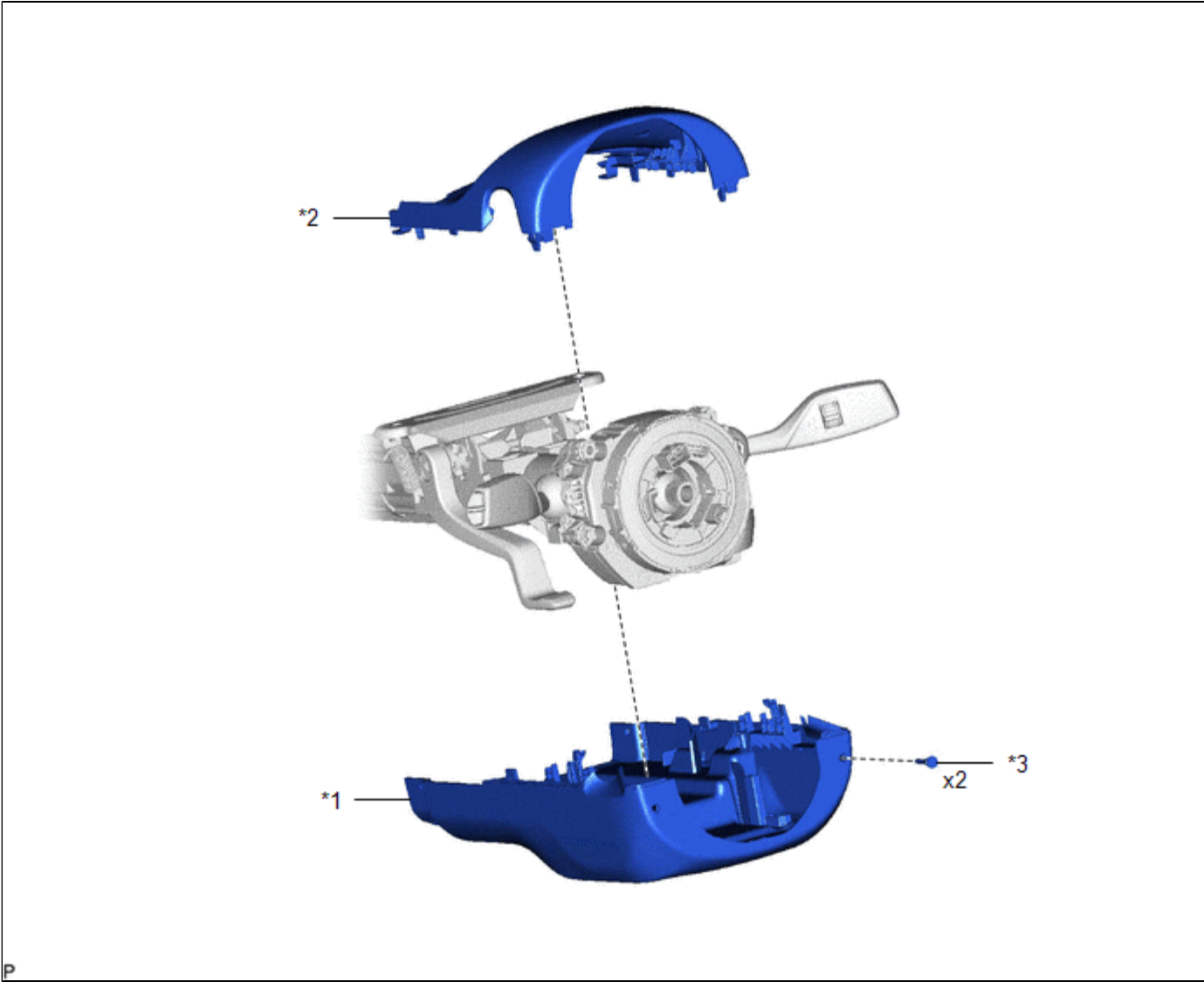
If the steering wheel continues to have an inclination, carry out a toe adjustment at the front axle.



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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING COLUMN COVER: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	LOWER STEERING COLUMN COVER	*2	UPPER STEERING COLUMN COVER
*3	RUBBER PLUG	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JDHV
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING COLUMN COVER: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

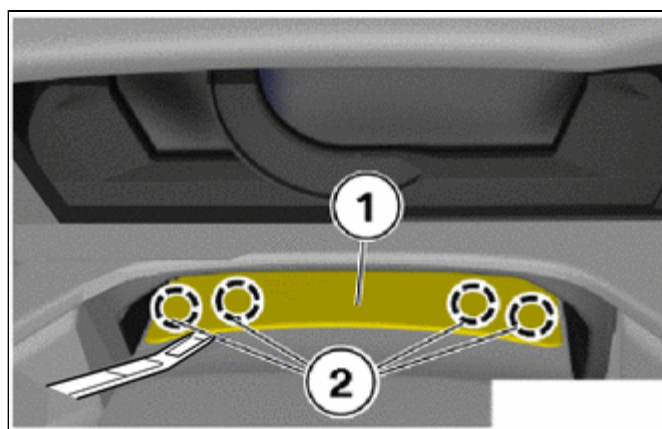
PROCEDURE

1. ADJUST STEERING COLUMN POSITION

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

2. REMOVE UPPER STEERING COLUMN COVER

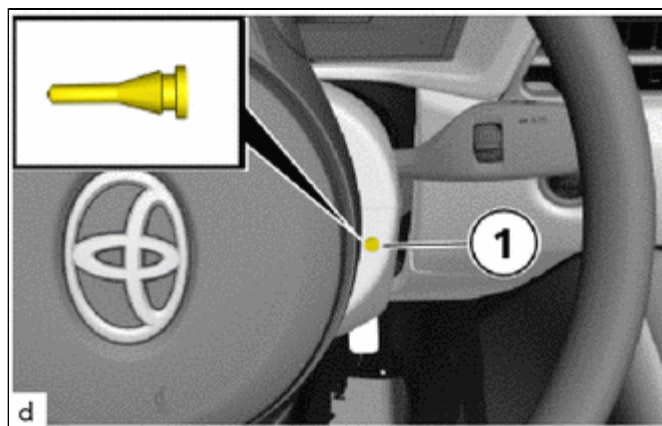
- Using a moulding remover A, unclip the gap cover (1) from the clips (2) to the top.



- Turn the steering wheel until the rubber plug (1) in the lower steering column cover becomes visible.

HINT:

Use the same procedure for the opposite side.



- Press in the rubber plug (1) with the T15 "TORX" driver to the inside and into the lower steering column cover.

HINT:

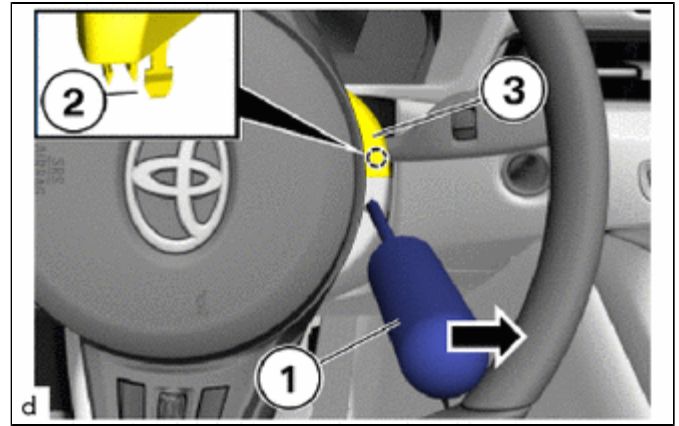
- Use the same procedure for the opposite side.
- The rubber plugs are reusable.
- Process to reuse the rubber plug:

Remove the steering column shroud lower section and remove the rubber plug.

(d) Press the "TORX" driver (1) in the direction of the arrow and lever the tab (2) to the inside.

HINT:

Use the same procedure for the opposite side.

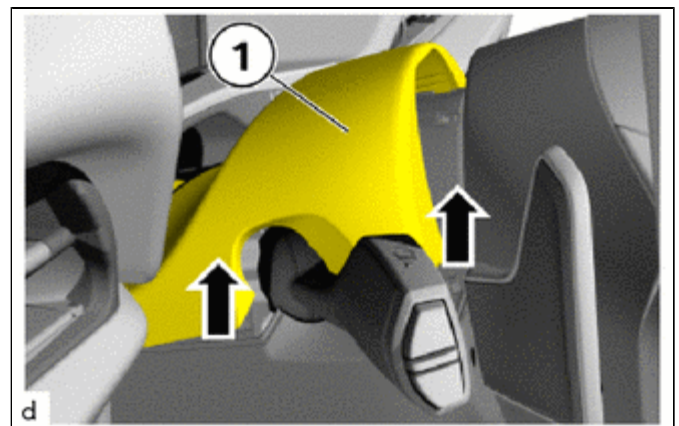


(e) Press the upper steering column cover (3) to the top at the same time.

HINT:

Use the same procedure for the opposite side.

(f) Guide the upper steering column cover (1) out to the top.

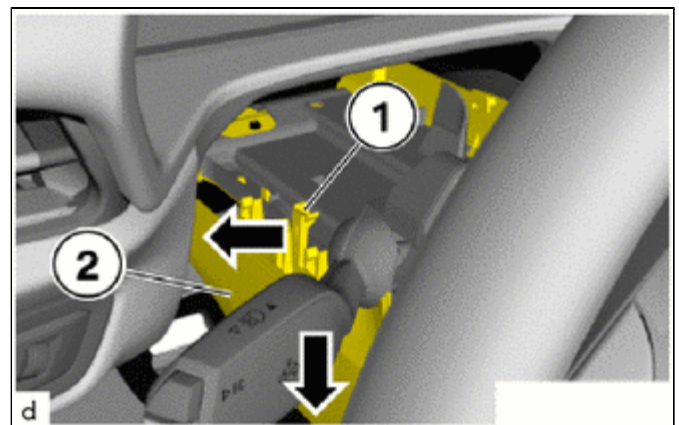


3. REMOVE LOWER STEERING COLUMN COVER

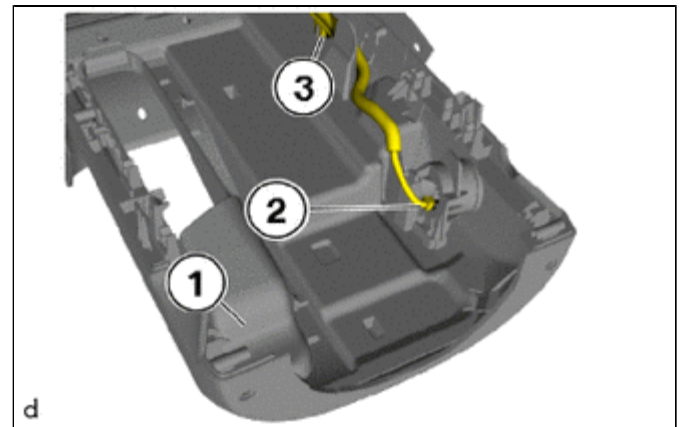
(a) Push the retaining lug (1) to the outside in the direction of the arrow and unclip the lower steering column cover (2) in the direction of the arrow to the bottom.

HINT:

Use the same procedure for the opposite side.



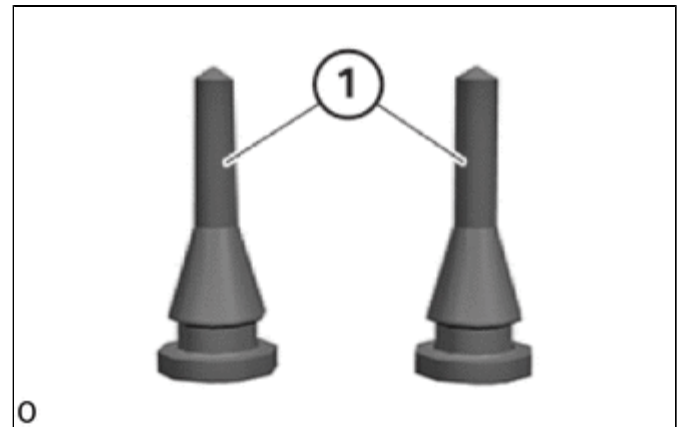
(b) Tilt the lower steering column cover (1) down.



(c) Unlock plug connection (2) and disconnect.

(d) Disconnect the cable clip (3) and remove the lower steering column cover (1).

(e) Remove rubber plugs (1) from the lower steering column cover.



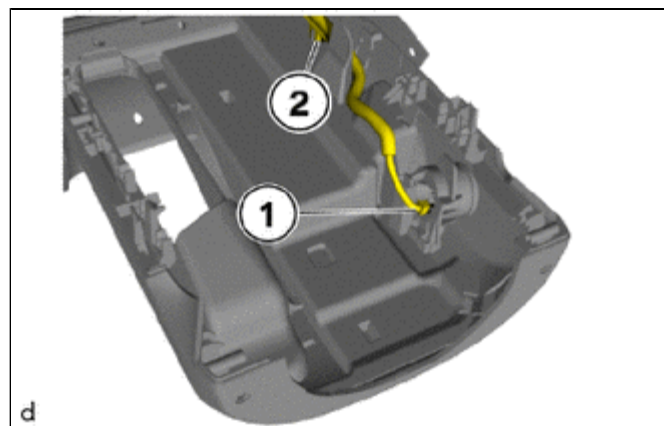
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JDHW
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING COLUMN COVER: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL LOWER STEERING COLUMN COVER

(a) Connect connectors (1) and lock.

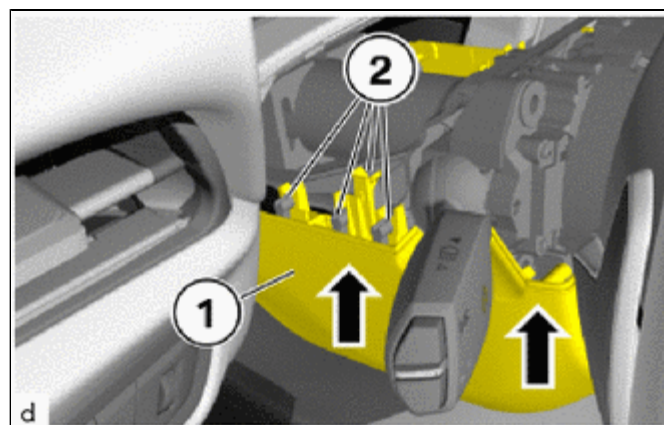


(b) Engage the cable clip (2).

(c) Align the lower steering column cover (1) at the retaining lugs (2) to the steering column.

HINT:

Use the same procedure for the opposite side.



(d) Press the lower steering column cover (1) upwards in direction of arrow until the retaining lugs (2) engage.

HINT:

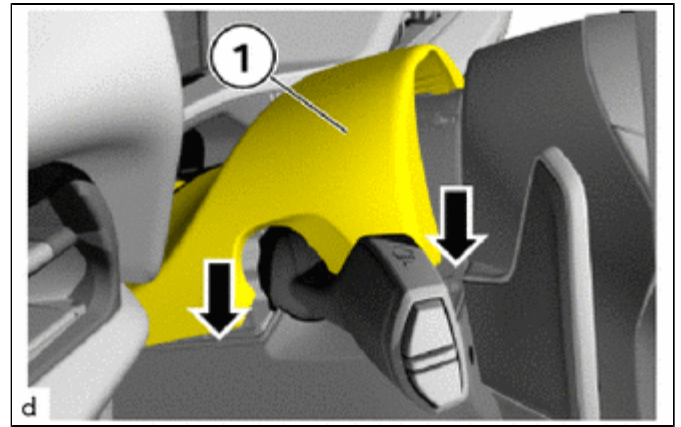
Use the same procedure for the opposite side.

2. INSTALL UPPER STEERING COLUMN COVER

(a) Guide in the upper steering column cover (1).

HINT:

Use the same procedure for the opposite side.



(b) Press the upper steering column cover (1) down and engage.

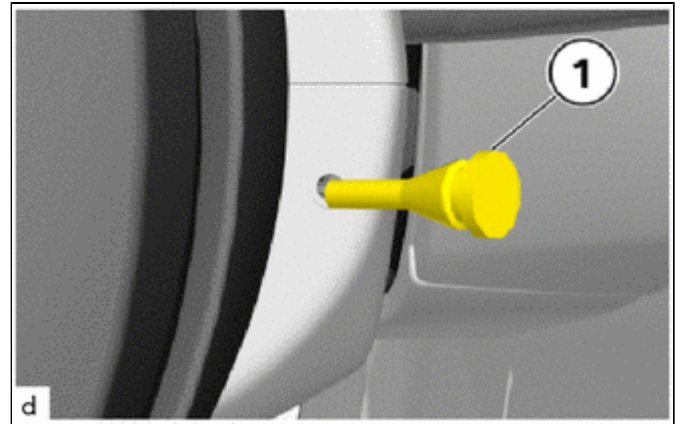
HINT:

- Use the same procedure for the opposite side.
- The upper steering column cover (1) must engage audibly and perceptibly.

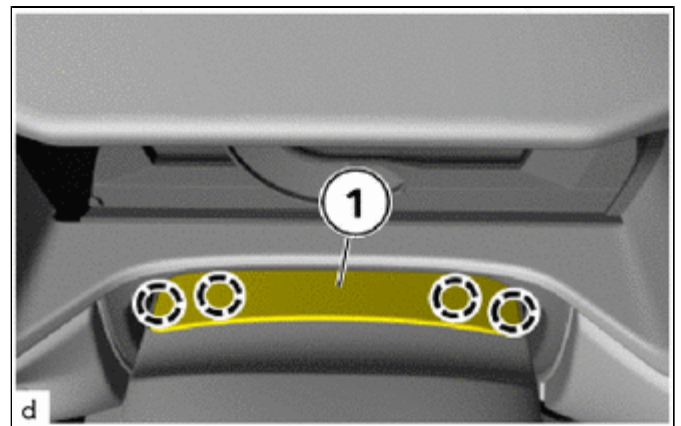
(c) Seal the bore hole using a rubber plug (1).

HINT:

Use the same procedure for the opposite side.



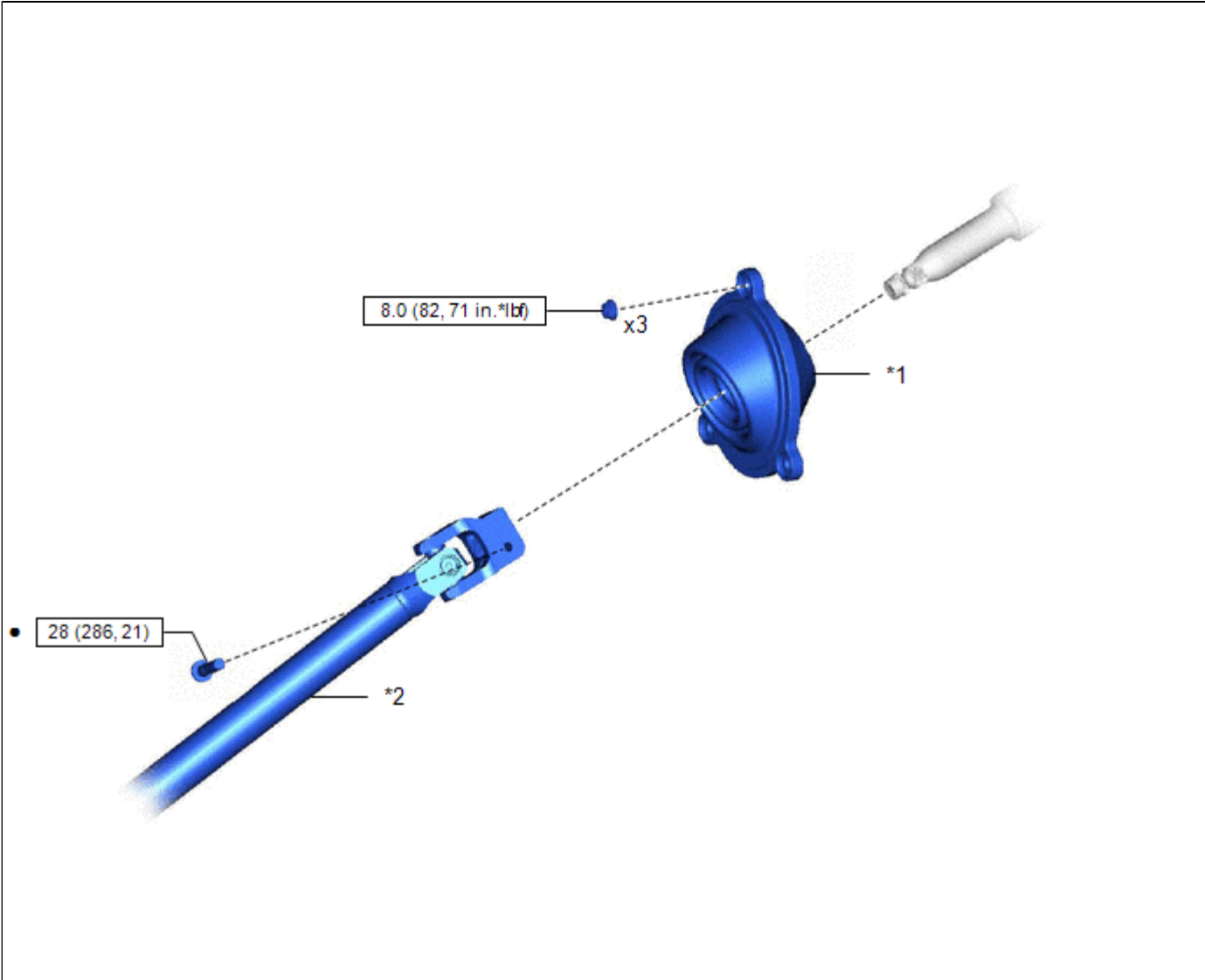
(d) Clip the gap cover (1) into the clips (marks).



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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING COLUMN HOLE COVER: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	NO. 1 STEERING COLUMN HOLE COVER SUB-ASSEMBLY	*2	STEERING INTERMEDIATE SHAFT ASSEMBLY
	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD14
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING COLUMN HOLE COVER: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

NOTICE:

- Damage to spiral cable sub-assembly.

The spiral cable sub-assembly can be damaged by twisting the steering wheel if the universal joint is disconnected from the steering gear or the steering shaft below or when the steering shaft is disconnected from the steering column below.

- Secure steering wheel from twisting.

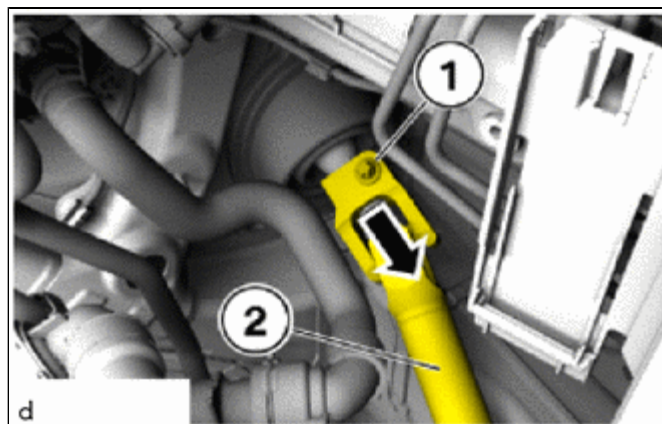
PROCEDURE

1. REMOVE FRONT SUSPENSION MEMBER LOWER PROTECTOR

Click here [INFO](#)

2. DISCONNECT STEERING INTERMEDIATE SHAFT ASSEMBLY

- (a) Pull the steering intermediate shaft assembly (2) in the direction of the arrow until the clamping bolt (1) is accessible with the tool (reversible ratchet and extension).

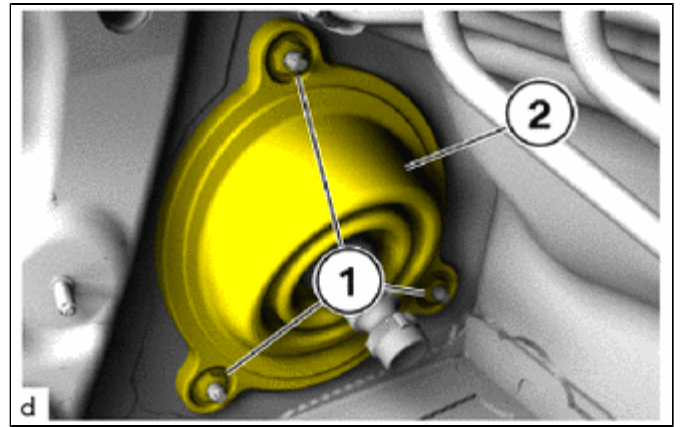


- (b) Loosen the E10 bolt (1).

- (c) Pull the steering intermediate shaft assembly (2) off the steering column assembly in the direction of the arrow.

3. REMOVE NO. 1 STEERING COLUMN HOLE COVER SUB-ASSEMBLY

- (a) Unfasten nut (1).



(b) Pull off the No. 1 steering column hole cover sub-assembly (2) via the steering column assembly.



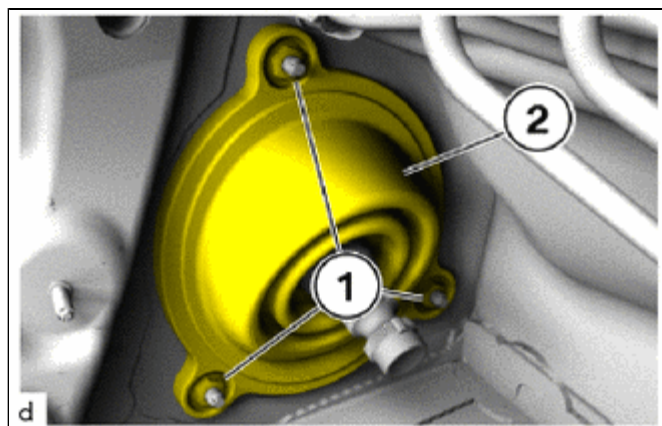
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JDI5
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING COLUMN HOLE COVER: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL NO. 1 STEERING COLUMN HOLE COVER SUB-ASSEMBLY

- (a) Push the No. 1 steering column hole cover sub-assembly (2) up to the limit position via the steering column assembly.



- (b) Tighten nut (1).

Torque:

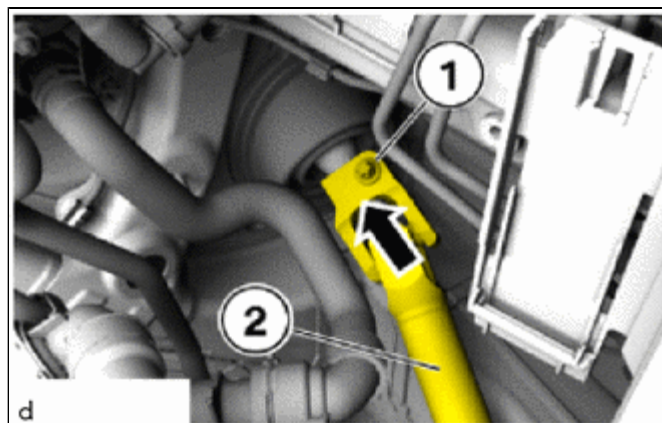
8.0 N·m {82 kgf·cm, 71 in·lbf}

2. CONNECT STEERING INTERMEDIATE SHAFT ASSEMBLY

HINT:

- The steering intermediate shaft assembly can only be installed in one position.
- The steering intermediate shaft assembly is encoded for the steering column assembly and the steering gear assembly. The clamping bolt must be positioned in the groove of the steering gear assembly or the steering column assembly.

- (a) Position the steering intermediate shaft assembly (2) at the steering column.



- (b) Slide the steering intermediate shaft assembly (2) in the direction of the arrow onto the steering column assembly.
- (c) Replace the E10 bolt (1).
- (d) Tighten down E10 bolt (1).

Torque:

28 N·m {286 kgf·cm, 21 ft·lbf}

3. INSTALL FRONT SUSPENSION MEMBER LOWER PROTECTOR

Click here [INFO](#)

4. INSPECT AIRBAG FOR FUNCTION

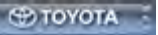
Click here [INFO](#)

5. START-UP OF ELECTROMECHANICAL STEERING

Click here [INFO](#)

6. INSPECT STRAIGHT-AHEAD DRIVING POSITION OF THE STEERING WHEEL

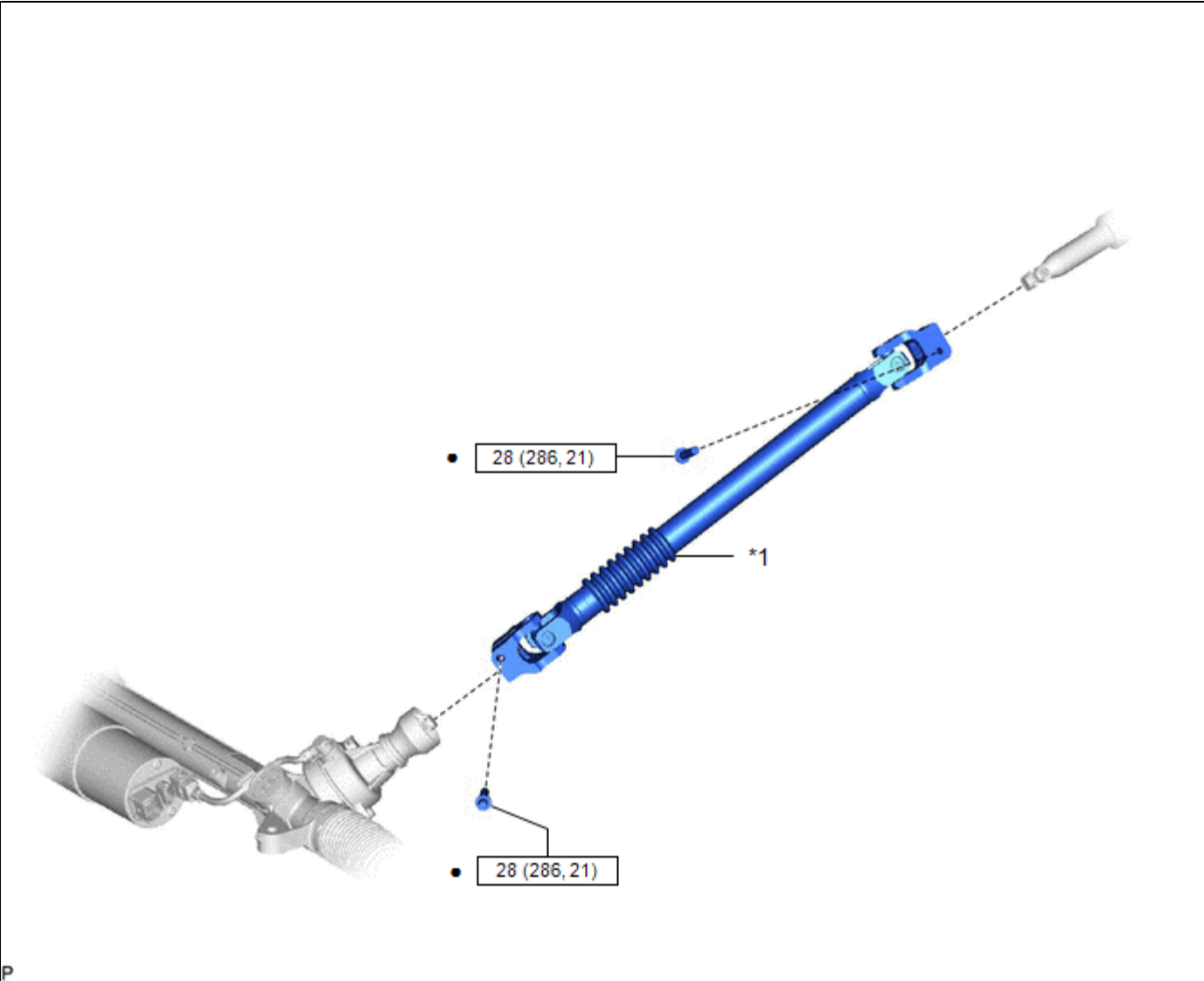
Click here [INFO](#)



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JDI6
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING INTERMEDIATE SHAFT: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	STEERING INTERMEDIATE SHAFT ASSEMBLY	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JDI7
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING INTERMEDIATE SHAFT: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

NOTICE:

- Damage to spiral cable sub-assembly.

The spiral cable sub-assembly can be damaged by twisting the steering wheel if the universal joint is disconnected from the steering gear or the steering shaft below or when the steering shaft is disconnected from the steering column below.
 - Secure steering wheel from twisting.

PROCEDURE

1. REMOVE FRONT WHEEL LH

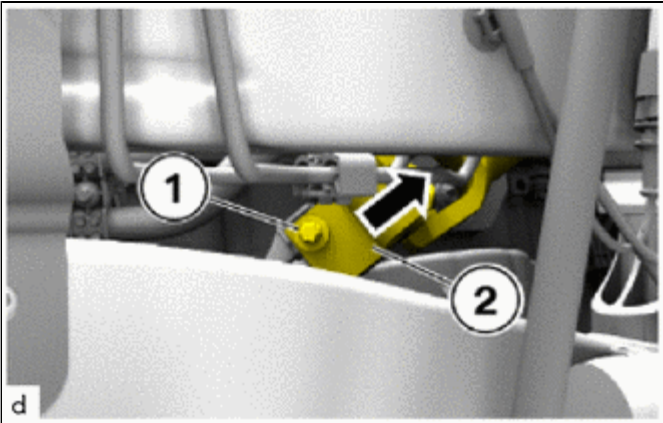
Click here [INFO](#)

2. REMOVE FRONT SUSPENSION MEMBER LOWER PROTECTOR

Click here [INFO](#)

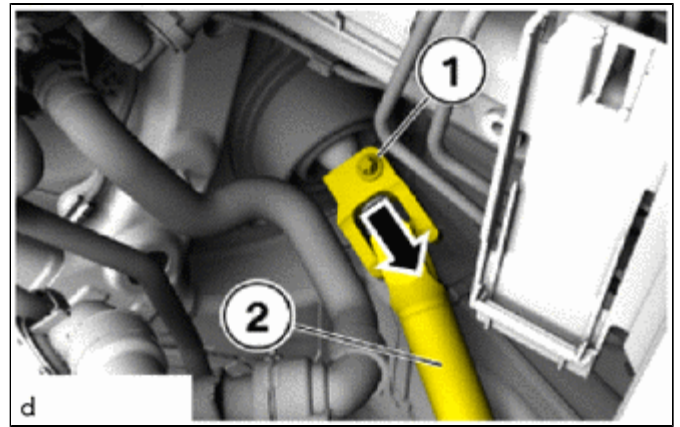
3. REMOVE STEERING INTERMEDIATE SHAFT ASSEMBLY

(a) Loosen E10 bolt (1).



(b) Detach the steering intermediate shaft assembly (2) from the steering gear assembly in the direction of the arrow.

(c) Pull the steering intermediate shaft assembly (2) in the direction of arrow until the clamping bolt (1) can be accessed with the tool (reversible ratchet with extension).



(d) Loosen the E10 bolt (1).

(e) Pull the steering intermediate shaft assembly (2) off the steering column assembly in the direction of the arrow.

(f) Remove the steering intermediate shaft assembly (2) toward the bottom.

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001LYGK
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING INTERMEDIATE SHAFT: INSPECTION; 2020 MY Supra [03/2019 -]		

INSPECTION

PROCEDURE

1. NOTES ON REPLACEMENT OF STEERING COLUMN AND STEERING INTERMEDIATE SHAFT ASSEMBLY FOLLOWING ACCIDENT DAMAGE

- (a) In the event of accidents or driving conditions similar to accidents, shock-like loads can cause different types of damage to the steering intermediate shaft assembly and steering column. In case no external damaged of the steering column and the steering intermediate shaft assembly can be noticed, it is sometimes only possible to identify damage with great difficulty and with great effort.

2. PROCEDURE FOR STEERING COLUMN AND STEERING INTERMEDIATE SHAFT ASSEMBLY

- (a) The steering column and steering intermediate shaft assembly must be renewed if one or more of the following points apply.
- (1) Visible or noticeable damage, deformation or breakage of the steering column or steering intermediate shaft assembly
 - (2) Damage, permanent deformation or breakages on tie rod end sub-assemblies
 - (3) Unacceptable torque increase and jamming when the steering column is cranked from limit position to limit position (without electrical assistance)
- (b) Positive check for activated crash system of the steering column

HINT:

If no damage is visible on the steering column, mechanical steering columns must be checked for an activated crash system.

- (1) Open steering column lock
- (2) Pull steering wheel out towards the driver (towards the body) until the physical limit position is reached, but do not use excessive force
- (3) Push steering wheel towards engine compartment (approx. 20 to 30 mm (0.79 to 1.18 in.) away from body) into the comfort position and lock

HINT:

If no end stop is present when pulling out the steering column or the gaiter of the steering column shroud has tension, the crash system has activated and the steering column is to be renewed.

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD18
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING INTERMEDIATE SHAFT: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

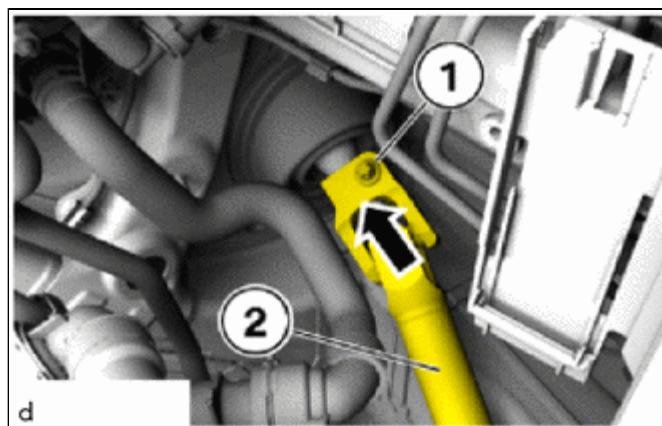
PROCEDURE

1. INSTALL STEERING INTERMEDIATE SHAFT ASSEMBLY

HINT:

- The steering intermediate shaft assembly can only be installed in one position.
- The steering intermediate shaft assembly is encoded for the steering column assembly and the steering gear assembly. The clamping bolt must be positioned in the groove of the steering gear assembly or the steering column assembly.

(a) Position the steering intermediate shaft assembly (2) at the steering column assembly.



(b) Slide the steering intermediate shaft assembly (2) in the direction of the arrow onto the steering column assembly.

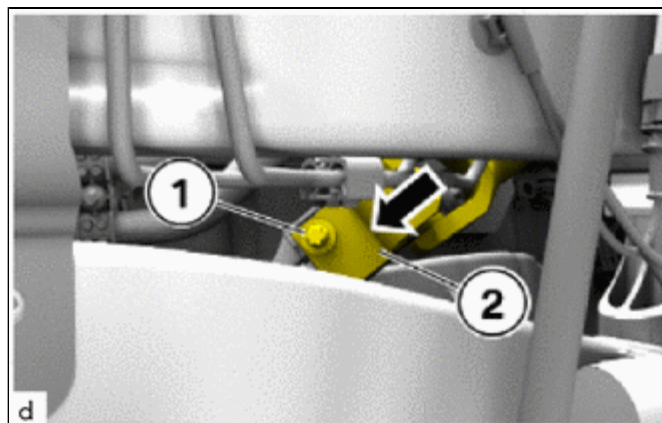
(c) Replace the E10 bolt (1).

(d) Tighten the E10 bolt (1).

Torque:

28 N·m {286 kgf·cm, 21 ft·lbf}

(e) Slide the steering intermediate shaft assembly (2) in the direction of the arrow onto the steering gear assembly.



(f) Replace the E10 bolt (1).

(g) Tighten the E10 bolt (1).

Torque:

28 N·m {286 kgf·cm, 21 ft·lbf}

2. INSTALL FRONT SUSPENSION MEMBER LOWER PROTECTOR

Click here [INFO](#)

3. INSTALL FRONT WHEEL LH

Click here [INFO](#)

4. INSPECT AIRBAG FOR FUNCTION

Click here [INFO](#)

5. START-UP OF ELECTROMECHANICAL STEERING

Click here [INFO](#)

6. INSPECT STRAIGHT-AHEAD DRIVING POSITION OF THE STEERING WHEEL

Click here [INFO](#)



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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING PAD SWITCH: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Pyrotechnic components.

Danger! Life-threatening injuries!

- 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:

Click here [INFO](#)

NOTICE:

- Electrostatic discharge.

Damage to or destruction of electrical components.

- Only touch the housings of electrical components. Do not touch pins or multi-pin connectors directly.
- For additional information see:

Click here [INFO](#)

PROCEDURE

1. REMOVE HORN BUTTON ASSEMBLY

Click here [INFO](#)

2. REMOVE TRANSMISSION SHIFT SWITCH ASSEMBLY

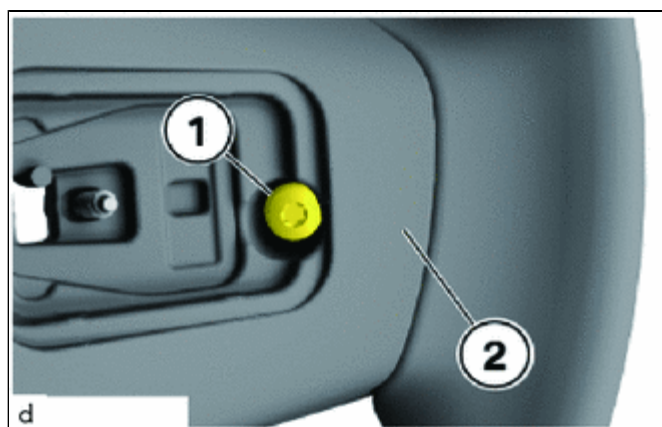
Click here [INFO](#)

3. REMOVE STEERING PAD SWITCH ASSEMBLY

- (a) Release the T25 bolt (1) on the rear side of the steering wheel (2).

HINT:

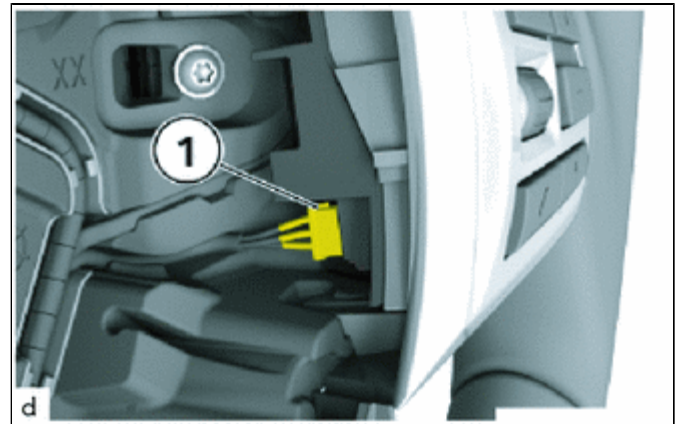
Use the same procedure for the opposite side.



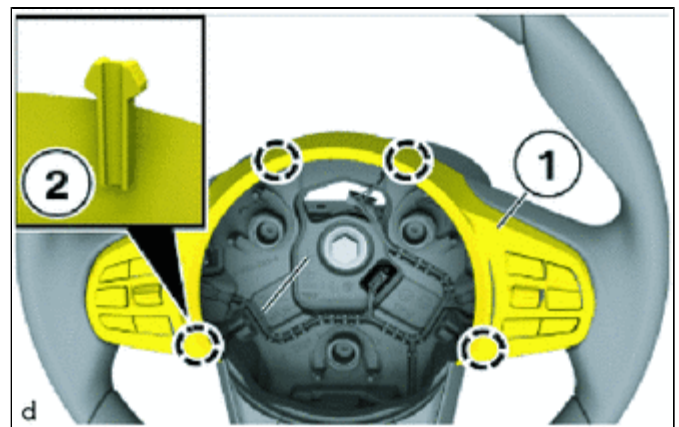
(b) Unlock plug connection (1) and disconnect.

HINT:

Use the same procedure for the opposite side.



(c) Carefully release and remove the steering pad switch assembly (1) from the latch mechanisms (2).

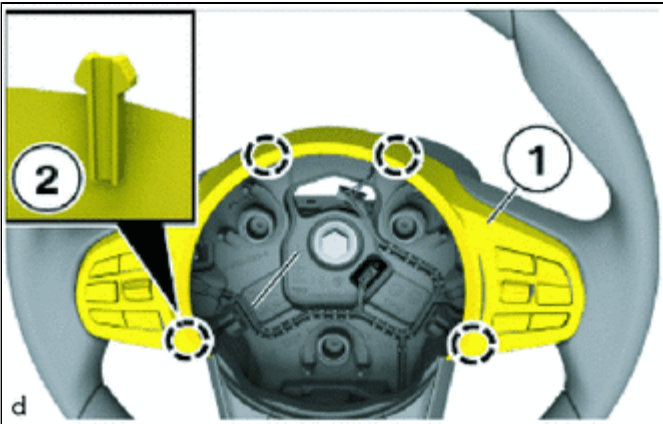


Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JDI2
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING PAD SWITCH: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL STEERING PAD SWITCH ASSEMBLY



(a) Carefully clip in the steering pad switch assembly (1) at the latch mechanisms (2).

- (b) Connect connectors and lock.
- (c) Tighten T25 bolt on the rear side of the steering wheel.

Torque:
 4.0 N·m { 41 kgf·cm, 35 in·lbf }

HINT:
 Use the same procedure for the opposite side.

2. INSTALL TRANSMISSION SHIFT SWITCH ASSEMBLY

Click here [INFO](#)

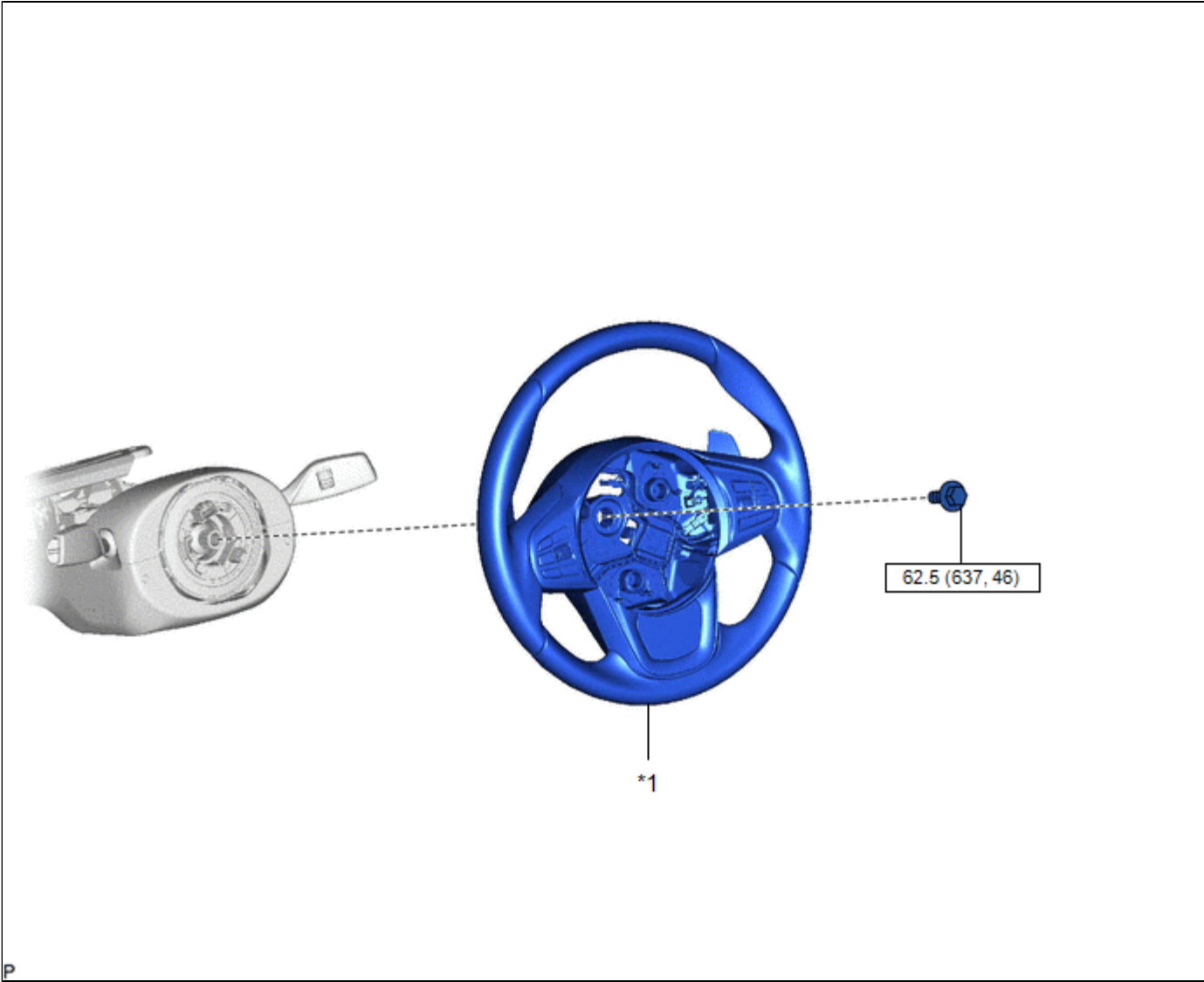
3. INSTALL HORN BUTTON ASSEMBLY

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JDHX
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING WHEEL: COMPONENTS; 2020 MY Supra [03/2019 -]		

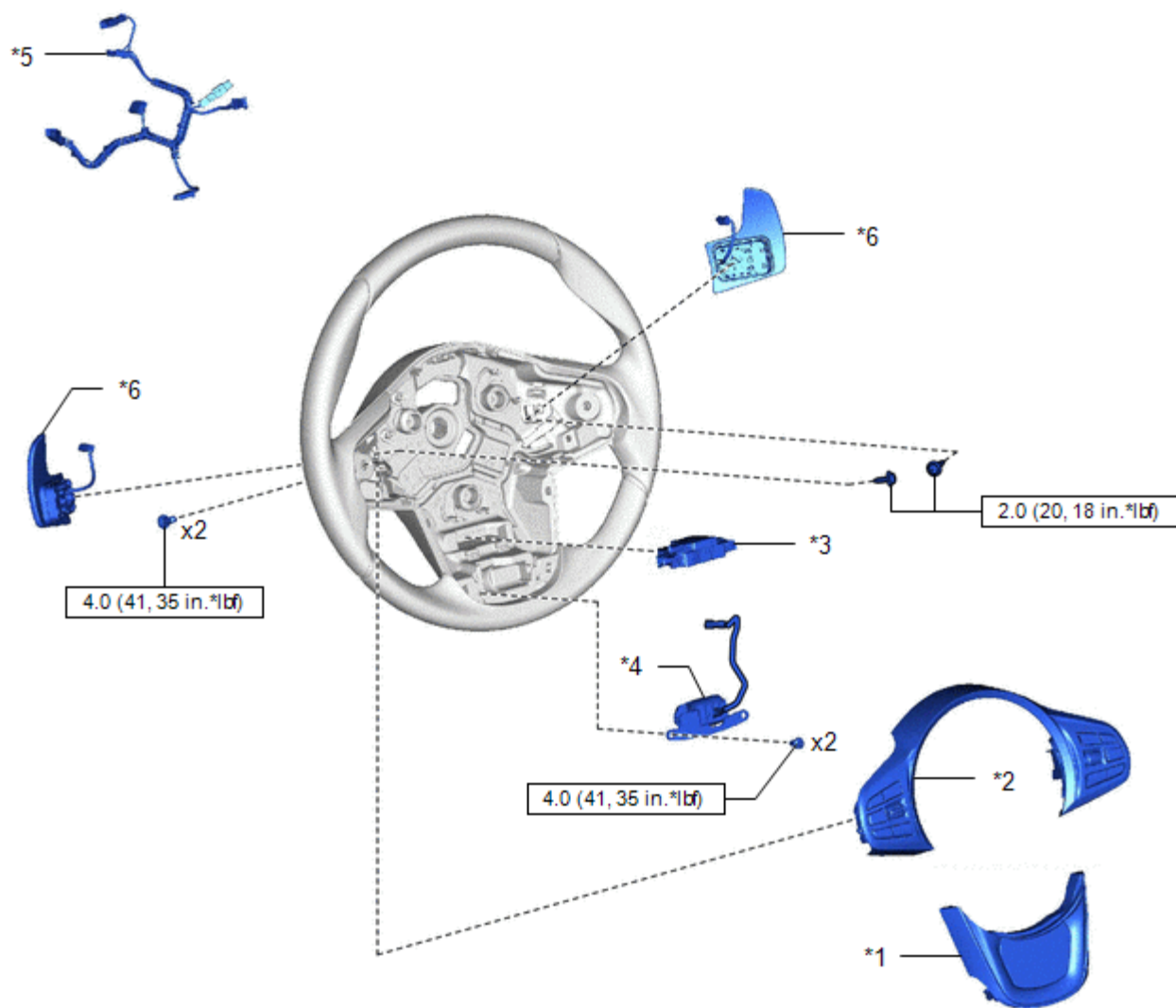
COMPONENTS

ILLUSTRATION



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

ILLUSTRATION



P

*1	NO. 1 STEERING WHEEL ORNAMENT	*2	STEERING PAD SWITCH ASSEMBLY
*3	STEERING WHEEL HEATER CONTROL ASSEMBLY	*4	STEERING WHEEL MOTOR
*5	STEERING WHEEL WIRING HARNESS	*6	TRANSMISSION SHIFT SWITCH ASSEMBLY
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JDHY
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING WHEEL: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Pyrotechnic components.

Danger! Life-threatening injuries!

- 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:

Click here [INFO](#)

NOTICE:

- Electrostatic discharge.

Damage to or destruction of electrical components.

- Only touch the housings of electrical components. Do not touch pins or multi-pin connectors directly.
- For additional information see:

Click here [INFO](#)

HINT:

- A wheel alignment is not necessary after the removal, installation or replacement.
- Steering wheel must be replaced if airbag unit has been deployed.

Only with M Sport steering wheel: Impact plate must be replaced if airbag unit has been deployed.

For additional information see:

Click here [INFO](#)

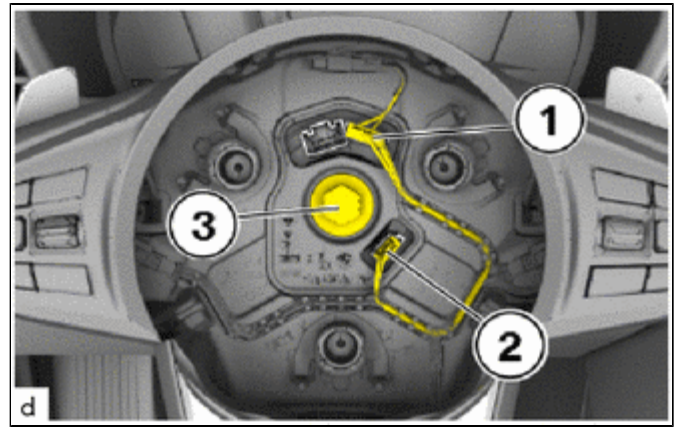
PROCEDURE

1. REMOVE HORN BUTTON ASSEMBLY

Click here [INFO](#)

2. REMOVE STEERING WHEEL ASSEMBLY

- Move wheels/steering wheel into straight-ahead driving position.



(b) Unlock and disconnect the plug connections (1) and (2).

(c) Release the 16 mm bolt (3) and pull off the steering wheel assembly.

3. REMOVE TRANSMISSION SHIFT SWITCH ASSEMBLY

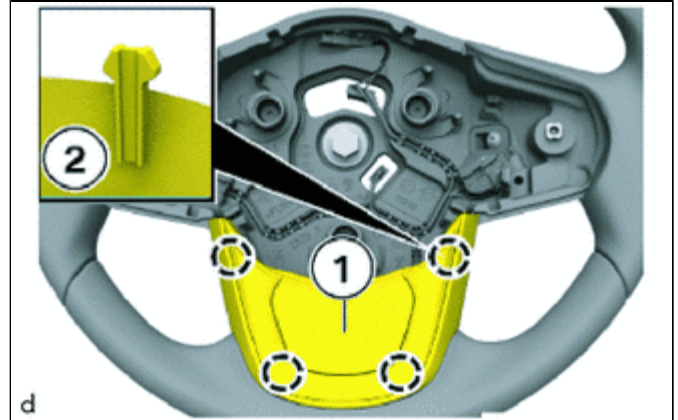
Click here [INFO](#)

4. REMOVE STEERING PAD SWITCH ASSEMBLY

Click here [INFO](#)

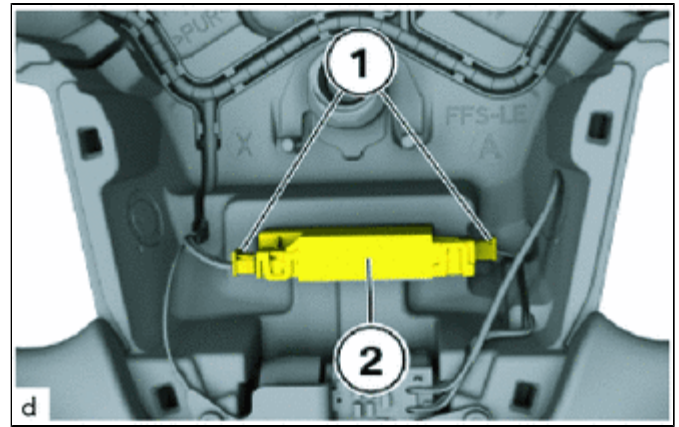
5. REMOVE NO. 1 STEERING WHEEL ORNAMENT

(a) Carefully release and remove the No. 1 steering wheel ornament (1) from the latch mechanisms (2).



6. REMOVE STEERING WHEEL HEATER CONTROL ASSEMBLY

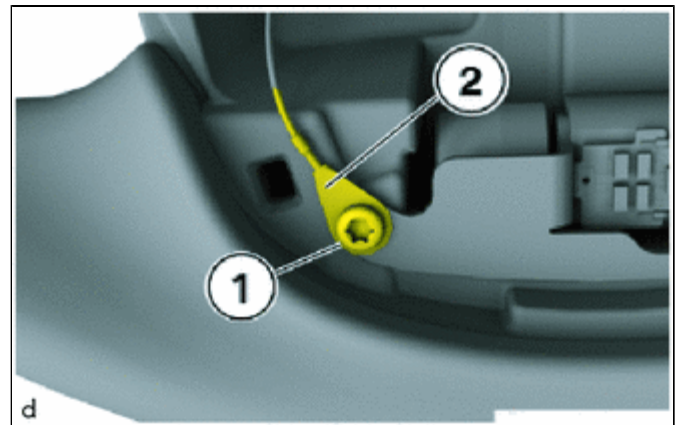
(a) Unlock and disconnect the two plug connections (1).



(b) Removing the steering wheel heater control assembly (2).

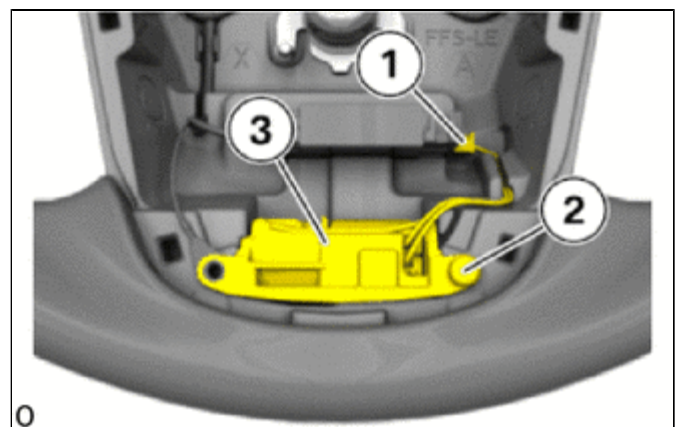
7. REMOVE STEERING WHEEL MOTOR

(a) Loosen T20 screw (1).



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

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

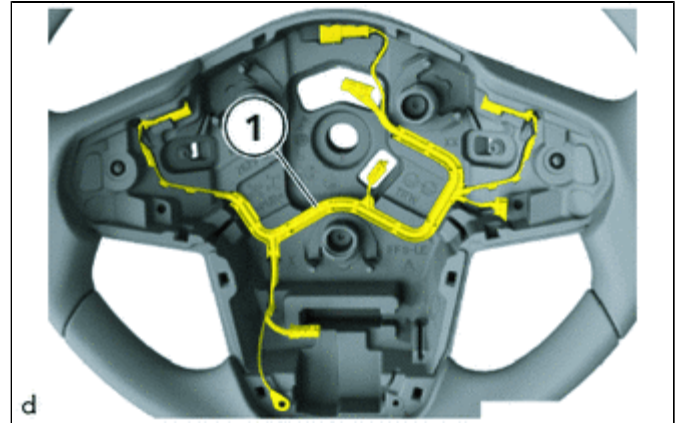


(d) Loosen T20 screw (2).

(e) Remove steering wheel motor (3).

8. REMOVE STEERING WHEEL WIRING HARNESS

(a) Feed out the steering wheel wiring harness (1).



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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: STEERING COLUMN: STEERING WHEEL: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL STEERING WHEEL WIRING HARNESS

- (a) Insert the steering wheel wiring harness.

2. INSTALL STEERING WHEEL MOTOR

- (a) Install steering wheel motor.
- (b) Tighten down T20 screw.

Torque:

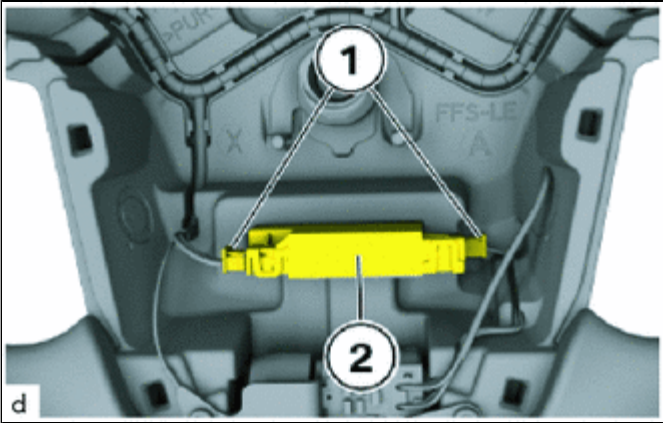
4.0 N·m {41 kgf·cm, 35 in·lbf}

- (c) Connect connectors and lock.
- (d) Position cable.
- (e) Tighten down T20 screw.

Torque:

4.0 N·m {41 kgf·cm, 35 in·lbf}

3. INSTALL STEERING WHEEL HEATER CONTROL ASSEMBLY



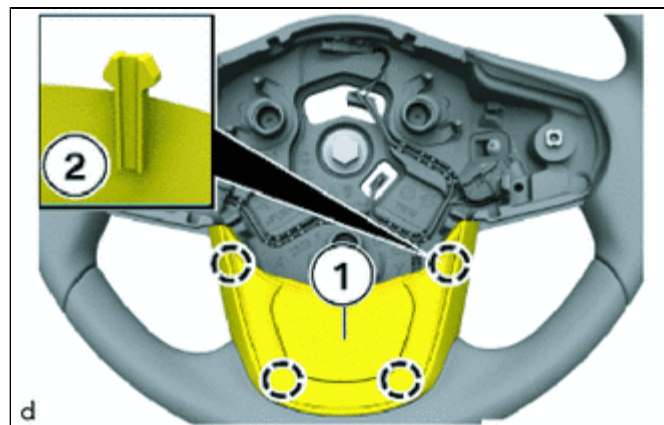
- (a) Position the steering wheel heater control assembly (2).

- (b) Connect and lock both connectors (1).

4. INSTALL NO. 1 STEERING WHEEL ORNAMENT

- (a) Carefully clip the No. 1 steering wheel ornament (1) into

the latch mechanisms (2).



5. INSTALL STEERING PAD SWITCH ASSEMBLY

Click here [INFO](#)

6. INSTALL TRANSMISSION SHIFT SWITCH ASSEMBLY

Click here [INFO](#)

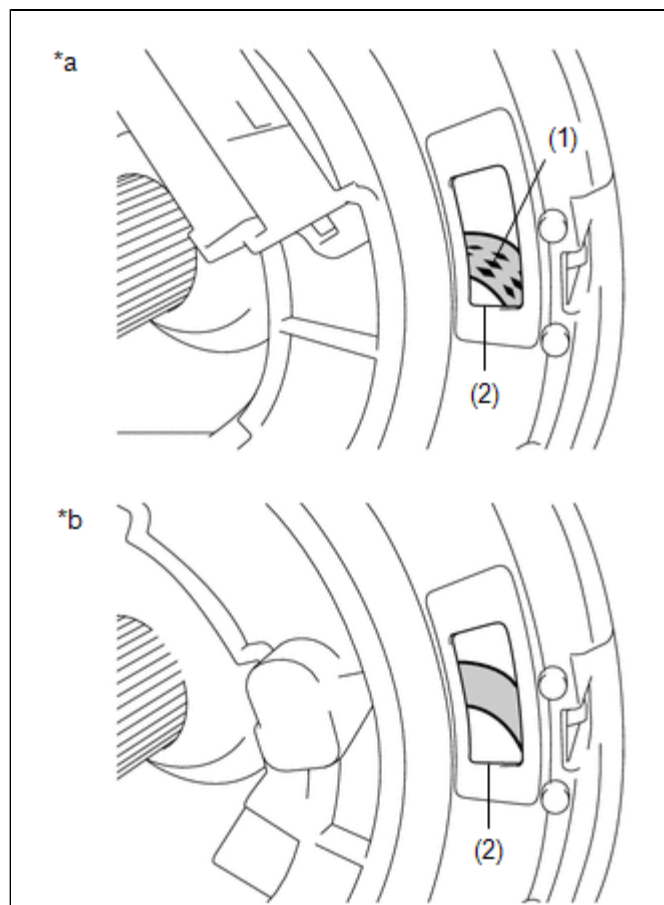
7. INSPECT SPIRAL CABLE WITH SENSOR SUB-ASSEMBLY

(a) Check the neutral position of the spiral cable:

(1) Check the correct mark (1) in the inspection glass (2).

NOTICE:

If the no correct mark (1) is visible, turn the spiral cable until the right mark (1) becomes visible.



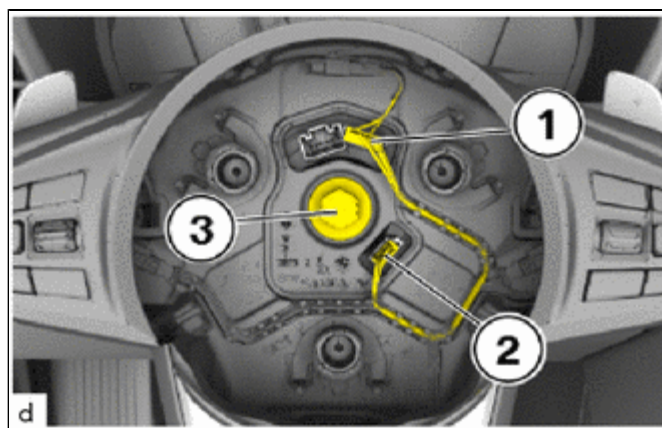
*a	Correct
*b	Incorrect

8. INSTALL STEERING WHEEL ASSEMBLY

- (a) Align and connect the steering wheel assembly according to the mark (1) with the steering column mark (2).



- (b) Connect connectors (1) and (2) and lock.



- (c) Tighten down 16 mm bolt (3).

Torque:

62.5 N·m { 637 kgf·cm, 46 ft·lbf }

9. INSTALL HORN BUTTON ASSEMBLY

Click here [INFO](#)