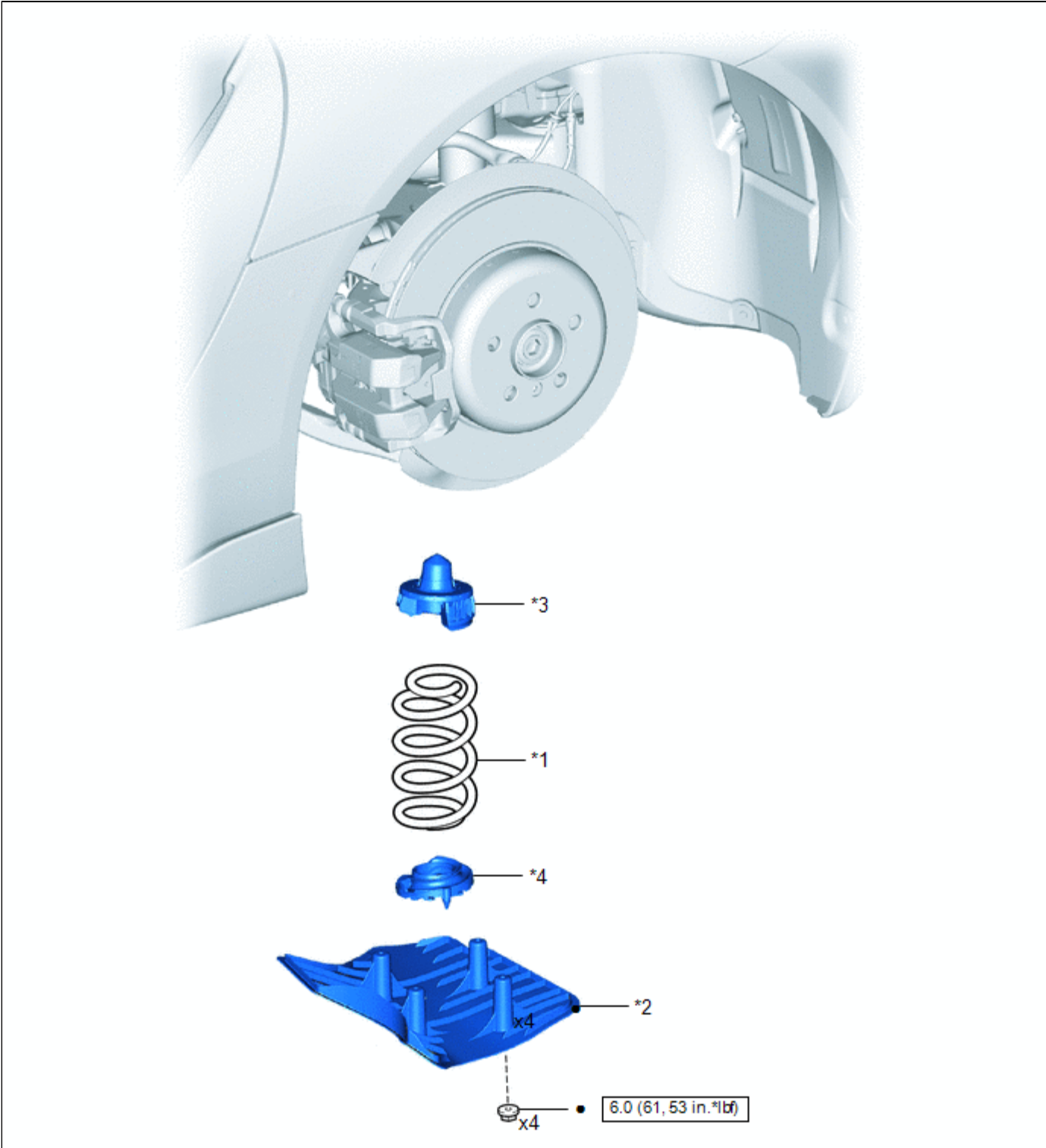


Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCLS
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR COIL SPRING: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	REAR COIL SPRING	*2	REAR SUSPENSION ARM COVER
----	------------------	----	---------------------------

*3	REAR UPPER COIL SPRING INSULATOR	*4	REAR LOWER COIL SPRING INSULATOR
	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCLT
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR COIL SPRING: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Vehicle may slip off the vehicle hoist if the vehicle hoist is handled incorrectly.

Danger! Life-threatening injuries!

- Observe safety information on raising the vehicle using a vehicle hoist.
- For additional information see:

Click here [INFO](#)

HINT:

- Use the same procedure for the RH side and LH side.
- The following procedure is for the LH side.

PROCEDURE

1. REMOVE REAR WHEEL

Click here [INFO](#)

2. REMOVE REAR SUSPENSION ARM COVER

Click here [INFO](#)

3. REMOVE REAR COIL SPRING

CAUTION:

- Spring preload.

Danger! Life-threatening injuries!

- Secure coil spring with special tool 2 213 022 (31 3 340).
- Use special tool as per owner's handbook and always observe the safety information.

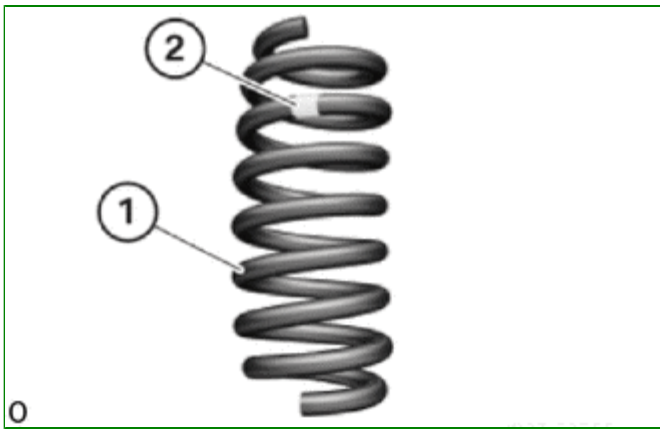
NOTICE:

- Do not operate special tool with an impact screwdriver.
- Incorrect assembly is possible.

Ensure correct installation position.

HINT:

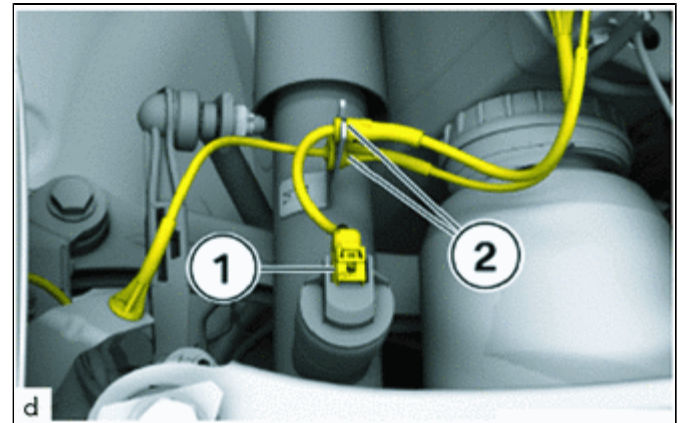
- The installation position of the rear coil spring (1) is marked with a label (2).



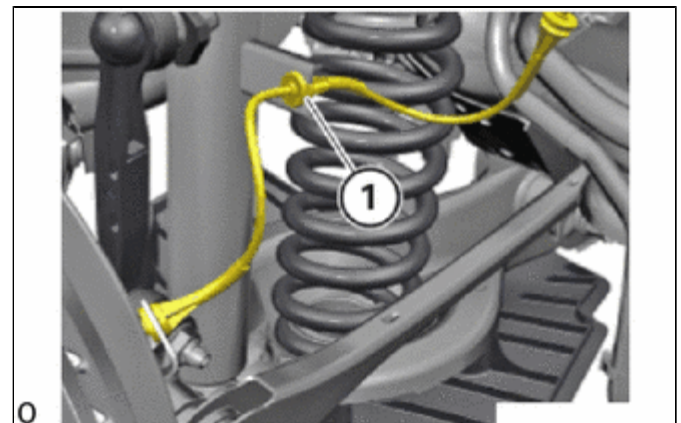
- The label (2) is attached at the top end of the rear coil spring (1) and is marked as "top".
- Check rear coil spring (1) for availability of label (2).
 - If the label (2) on the installed rear coil spring (1) is missing and it has to be fixed after repair, then the installation position of the rear coil spring (1) must be marked necessarily.

(a) w/ AVS:

- (1) Unlock plug connection (1) and disconnect.
- (2) Detach lines (2) from the holder.

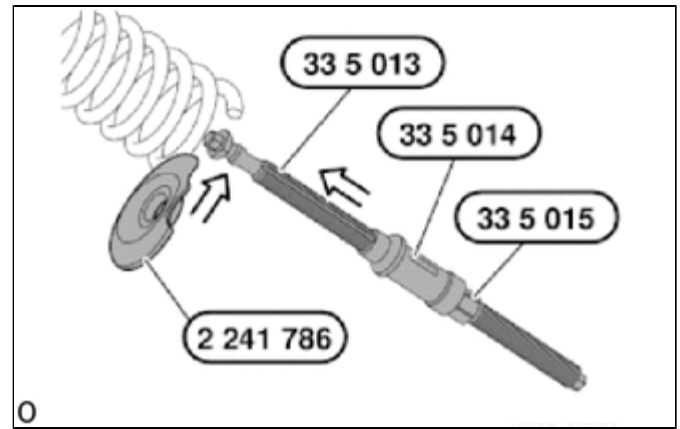


- (b) Release the rear skid control sensor wire (1) from the holder on rear shock absorber assembly.



- (c) Insert lower spring cup 2 241 786 centrally into rear coil spring and turn to lowest winding.

SST: 09700-WA180



- (d) Drive spindle 0 494 994 (33 5 013), 0 494 995 (33 5 014), 0 494 996 (33 5 015) from below through the rear No. 2 suspension arm assembly and the bottom spring cup 2 241 786.

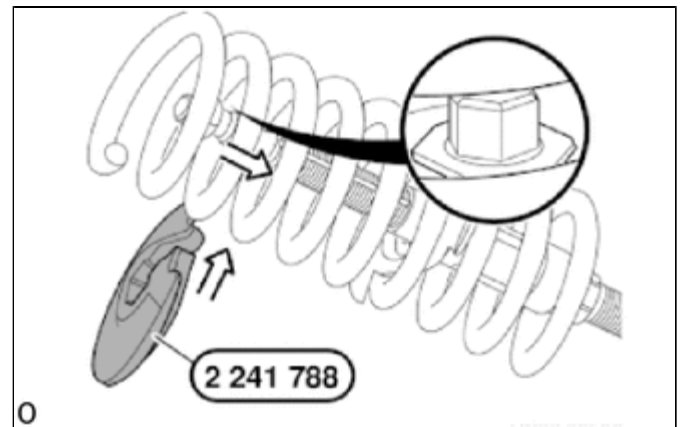
SST: 09700-WA160

- (e) Insert top spring cup 2 241 788 sideways into rear coil spring and turn to the uppermost winding.

SST: 09700-WA180

NOTICE:

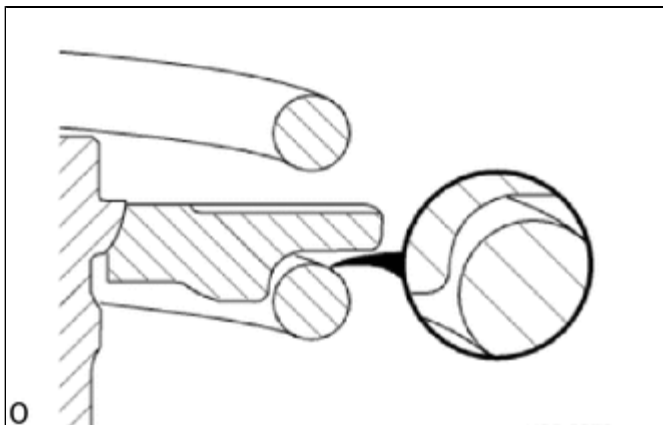
Make sure spindle (hexagonal) is correctly seated in upper spring cup 2 241 788.



- (f) Pull spindle 0 494 994 (33 5 013) down.

NOTICE:

Make sure rear coil spring is correctly positioned in spring cups.



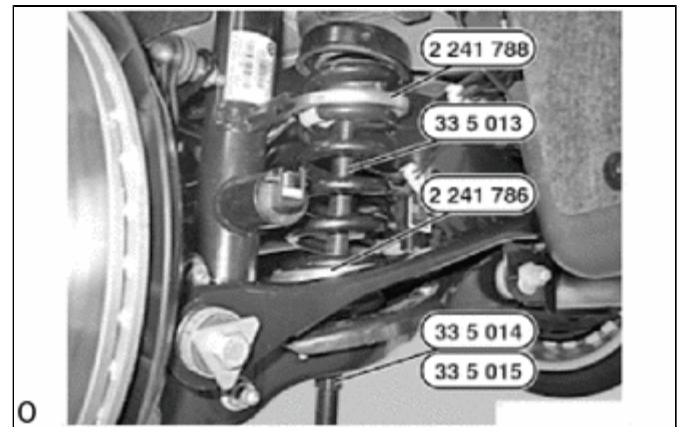
- (g) Check and correct the position of the special tools 2 241 786, 2 241 788 and 0 494 994 (33 5 013), 0 494 995 (33 5 014), 0 494 996 (33 5 015) and correct if required.

SST: 09700-WA160

SST: 09700-WA180

NOTICE:

The special tools must be aligned centrally, in order to obtain the largest possible contact surface on the rear coil spring.



- (h) Tensioning the rear coil spring using the special tools 0 494 997 (33 5 016) and 0 494 934 (33 5 020).

SST: 09700-WA160

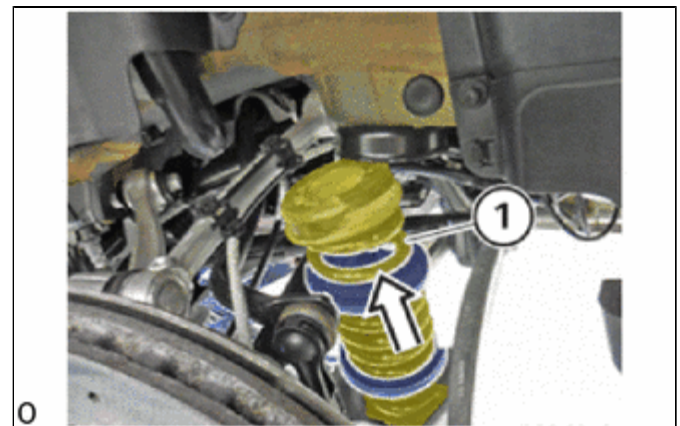
SST: 09700-WA180

HINT:

Counter support the spindle of the spring tensioner with the special tool 0 494 998 (33 5 017).



- (i) Remove rear coil spring (1) upwards.



- (j) Relieve tension on special tool 0 494 933 (33 5 010).

SST: 09700-WA160

- (k) Remove rear coil spring.

- (l) Remove the rear upper coil spring insulator from the rear coil spring.

- (m) Remove the rear lower coil spring insulator from the rear No. 2 suspension arm assembly.

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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR COIL SPRING: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

CAUTION / NOTICE / HINT

HINT:

- Use the same procedure for the RH side and LH side.
- The following procedure is for the LH side.

PROCEDURE

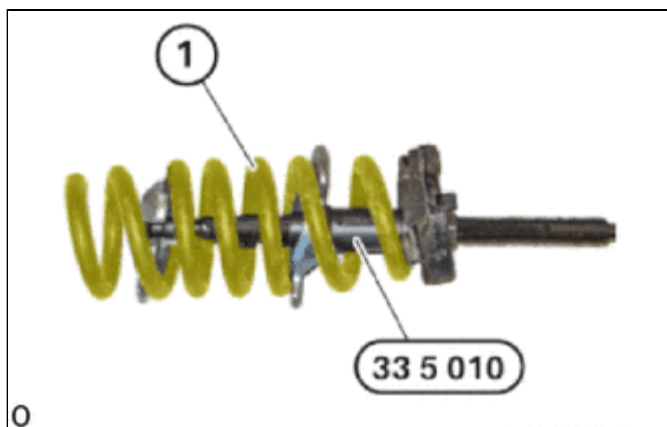
1. INSTALL REAR COIL SPRING

NOTICE:

- Do not operate special tool with an impact wrench.
- Incorrect assembly is possible.

Ensure correct installation position.

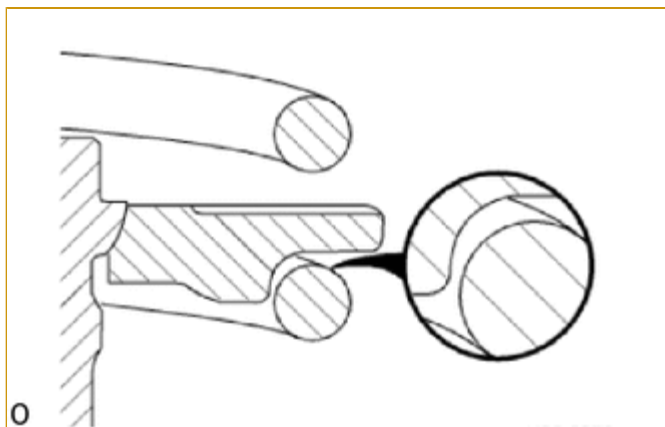
(a) Screw in rear coil spring (1) into the special tool 0 494 933 (33 5 010) and tighten.



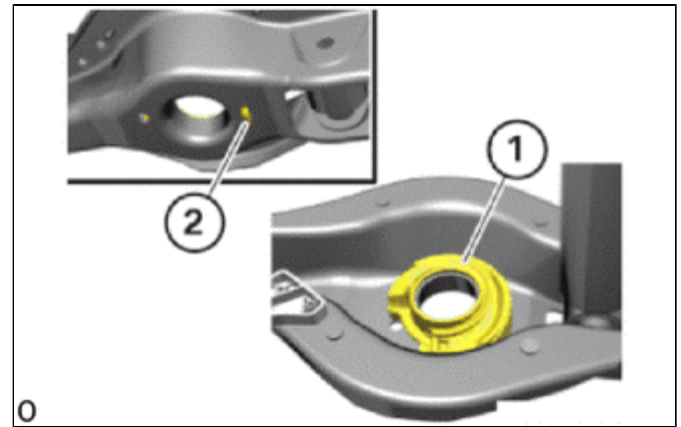
SST: 09700-WA160

NOTICE:

- Make sure rear coil spring (1) is in correct installation position.
- Make sure rear coil spring (1) is correctly positioned in spring cups.



(b) Check rear lower coil spring insulator (1) for damage, replace if necessary.

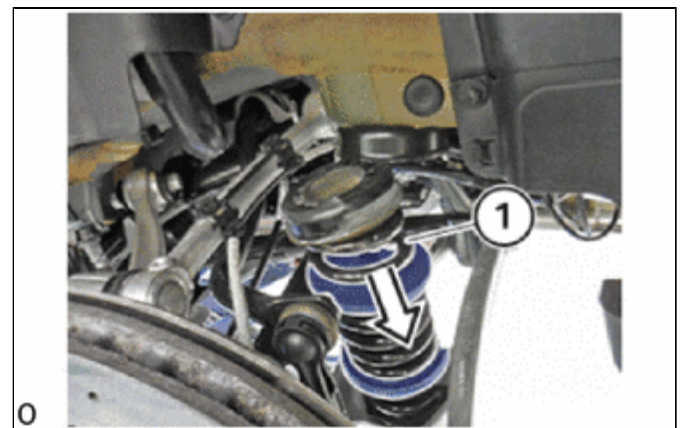


(c) Check rear lower coil spring insulator (1) for correct position on the rear No. 2 suspension arm assembly, correct the position if necessary.

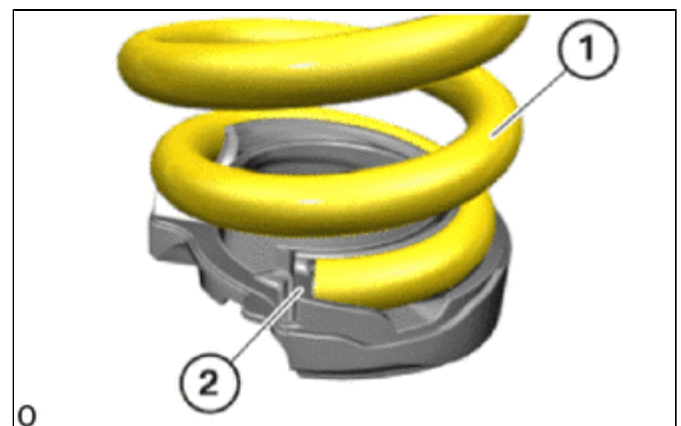
HINT:

The plastic tab (2) must be positioned in the bore hole.

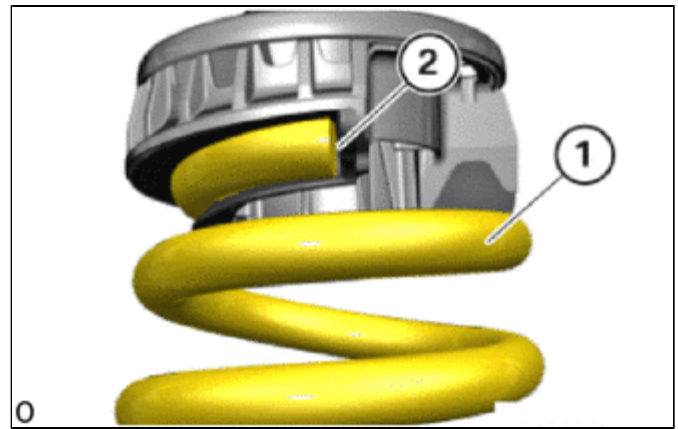
(d) Install rear coil spring (1) from the top and position it.



(e) Move the rear coil spring (1) of the rear lower coil spring insulator (2) so that they are positively locked to the system.



- (f) Position the rear upper coil spring insulator such that the end of the rear coil spring (1) moves to the system at the base (2).



- (g) Release the tension on the rear coil spring using the special tools 0 494 997 (33 5 016) and 0 494 934 (33 5 020).

SST: 09700-WA160

SST: 09700-WA180

NOTICE:

Note the installation position of the rear coil spring while releasing the tension.

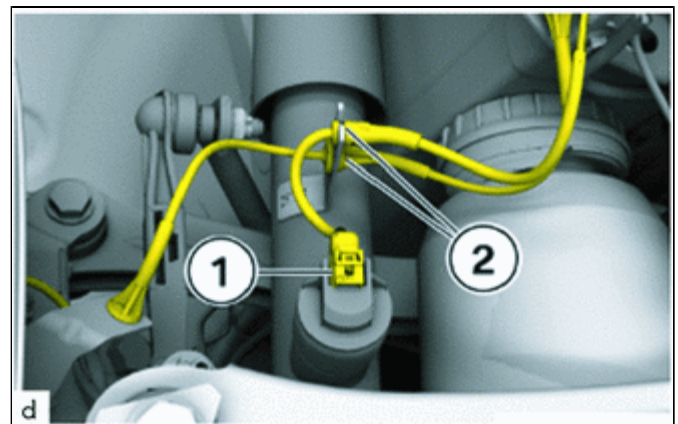
HINT:

Counter-hold the spindle of the spring tensioner using special tool 0 494 998 (33 5 017).



- (h) Remove special tools.
- (i) Fasten the rear skid control sensor wire on the holder on the rear shock absorber assembly.
- (j) w/ AVS:

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



- (2) Attach the lines (2) to the holder.

2. INSTALL REAR SUSPENSION ARM COVER

Click here [INFO](#)

3. INSTALL REAR WHEEL

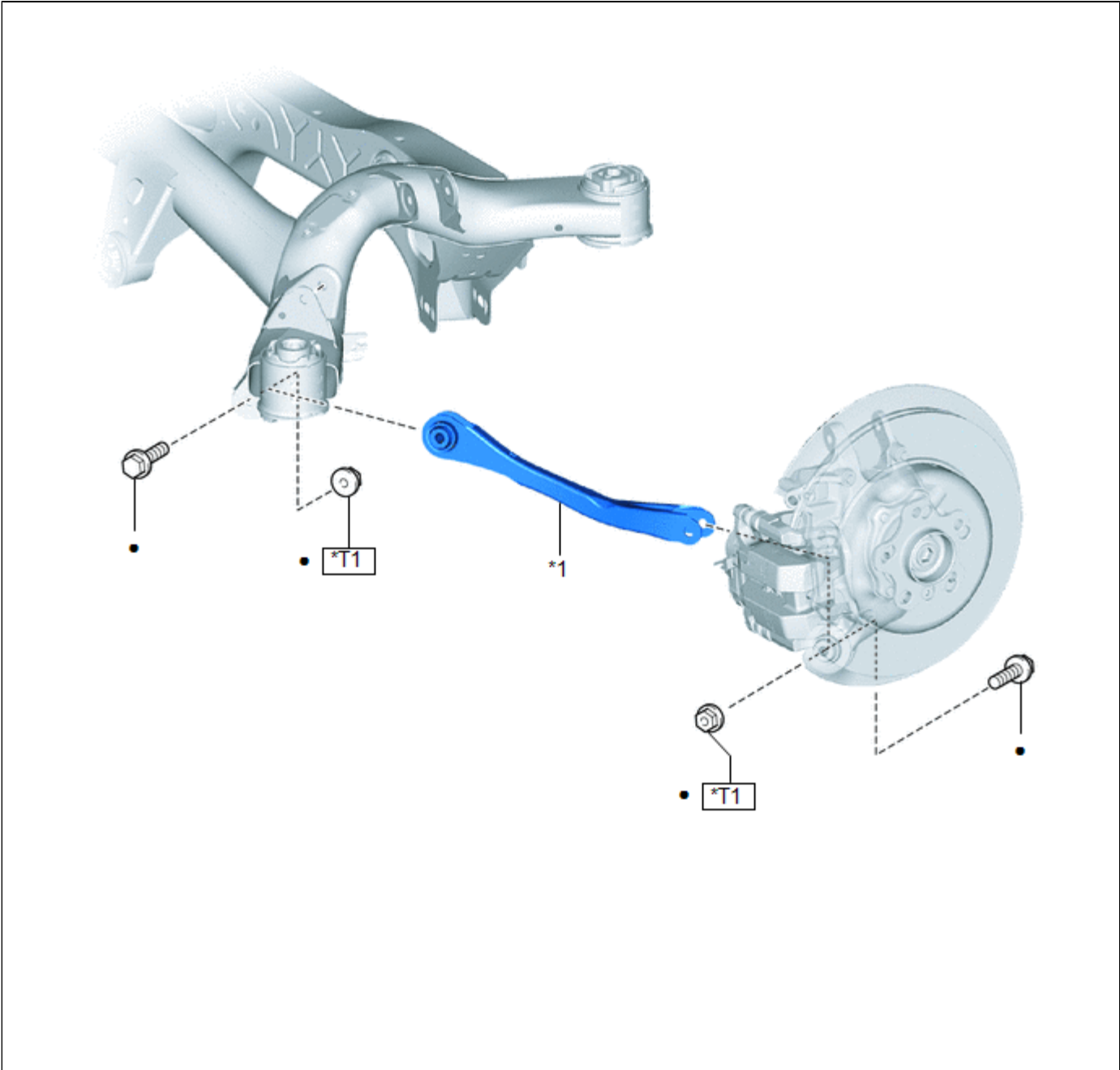
Click here [INFO](#)



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCM1
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR LOWER ARM (for No. 1 Arm): COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	REAR NO. 1 SUSPENSION ARM ASSEMBLY	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part

*T1	1st: 100 (1020, 74) 2nd: Turn 90°	-	-
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Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCM2
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR LOWER ARM (for No. 1 Arm): REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Vehicle may slip off the vehicle hoist if the vehicle hoist is handled incorrectly.

Danger! Life-threatening injuries!

- Observe safety information on raising the vehicle using a vehicle hoist.
- For additional information see:

Click here [INFO](#)

HINT:

- Use the same procedure for the RH side and LH side.
- The following procedure is for the LH side.

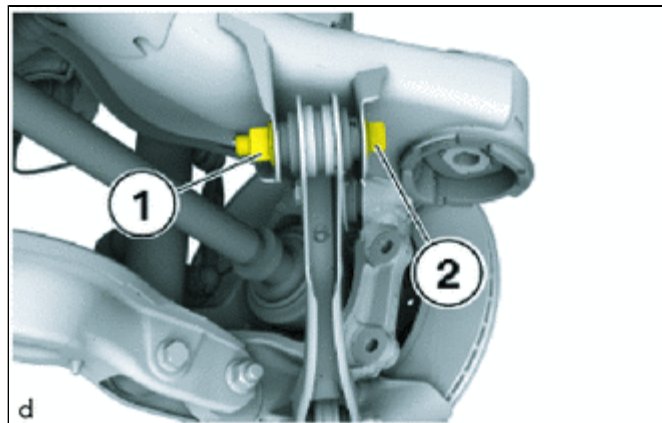
PROCEDURE

1. REMOVE FUEL TANK

Click here [INFO](#)

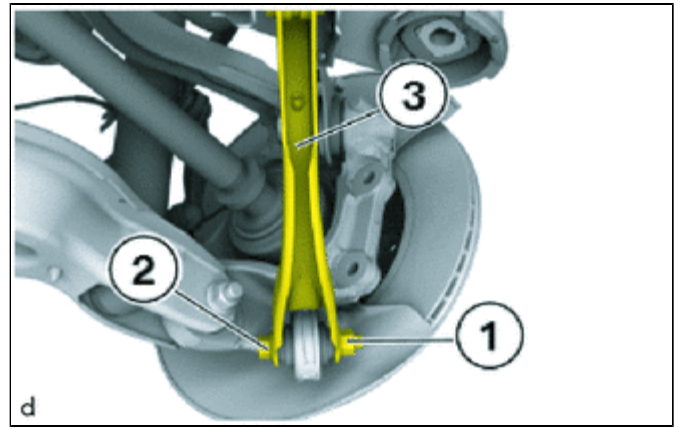
2. REMOVE REAR NO. 1 SUSPENSION ARM ASSEMBLY

(a) Unfasten 18 mm nut (1).



(b) Remove the 16 mm bolt (2).

(c) Unfasten 18 mm nut (1).



(d) Remove the 16 mm bolt (2) and rear No. 1 suspension arm assembly (3).

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCM3
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR LOWER ARM (for No. 1 Arm): INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

CAUTION / NOTICE / HINT

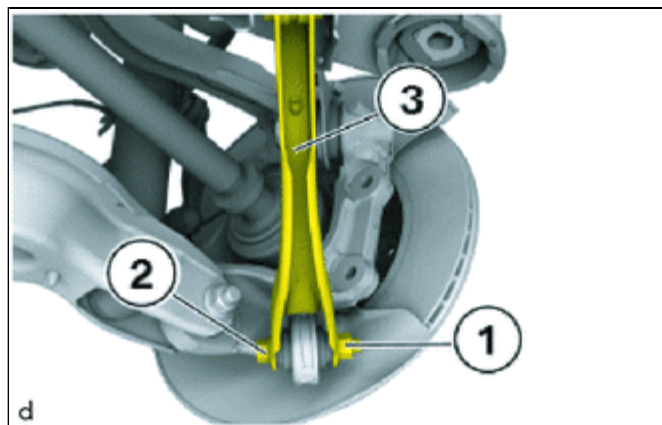
HINT:

- Use the same procedure for the RH side and LH side.
- The following procedure is for the LH side.
- Tighten the bolt connection in the normal position.

PROCEDURE

1. INSTALL REAR NO. 1 SUSPENSION ARM ASSEMBLY

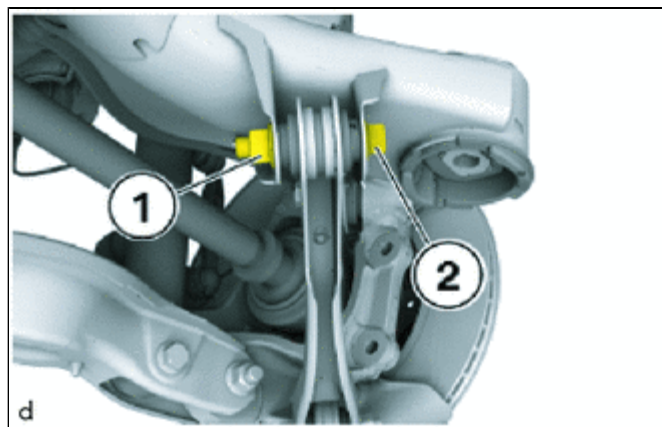
(a) Position the rear No. 1 suspension arm assembly (3).



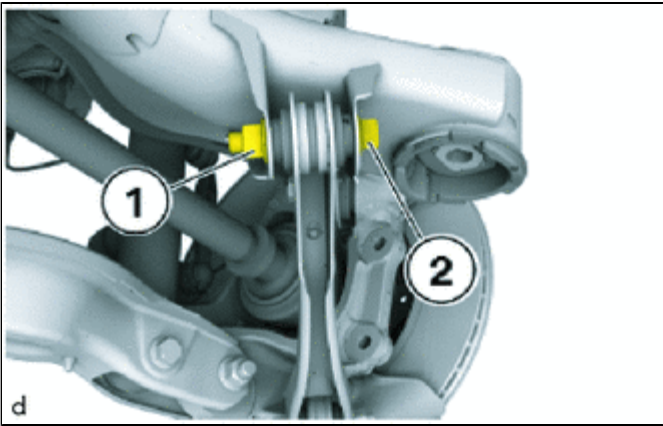
(b) Replace the 16 mm bolt (2) and 18 mm nut (1).

(c) Screw on 18 mm nut (1) and tighten hand-tight.

(d) Replace the 16 mm bolt (2) and 18 mm nut (1).



(e) Screw on 18 mm nut (1) and tighten hand-tight.



(f) Tighten the 18 mm nut (1) and use the 16 mm bolt (2) for counter support.

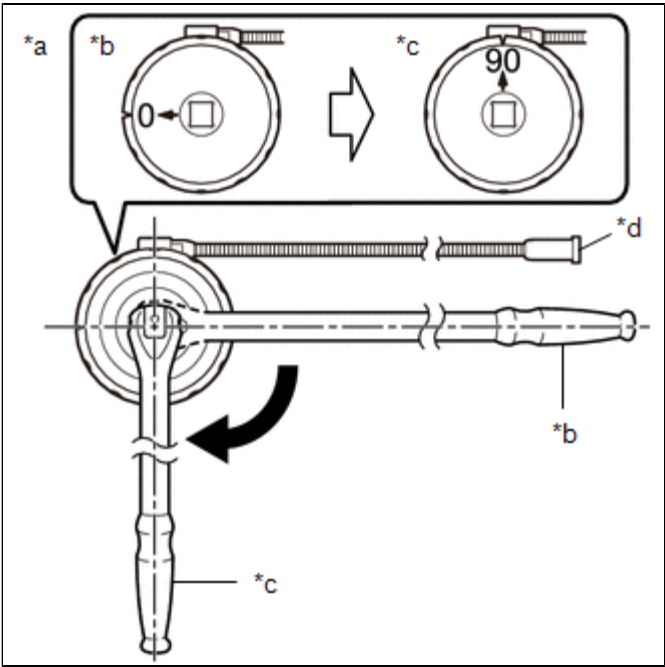
Torque:

100 N·m {1020 kgf·cm, 74 ft·lbf}

(g) Using SST, tighten the 18 mm nut (1) an additional 90° and use the 16 mm bolt (2) for counter support.

SST: 09900-WA010

HINT:



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

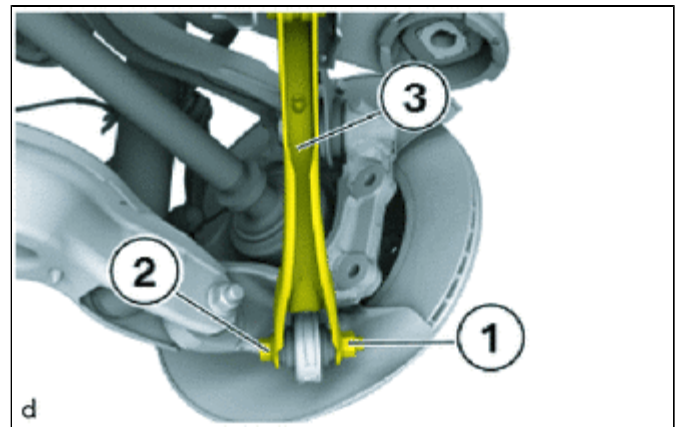
- The magnetic portion is used to secure the gauge to the vehicle.
- After first adjusting the needle of the gauge to 0°, tighten to the specified angle.
- Perform the work procedure carefully so that the gauge, etc. does not become tilted.

(h) Tighten the 18 mm nut (1) and use the 16 mm bolt (2) for

counter support.

Torque:

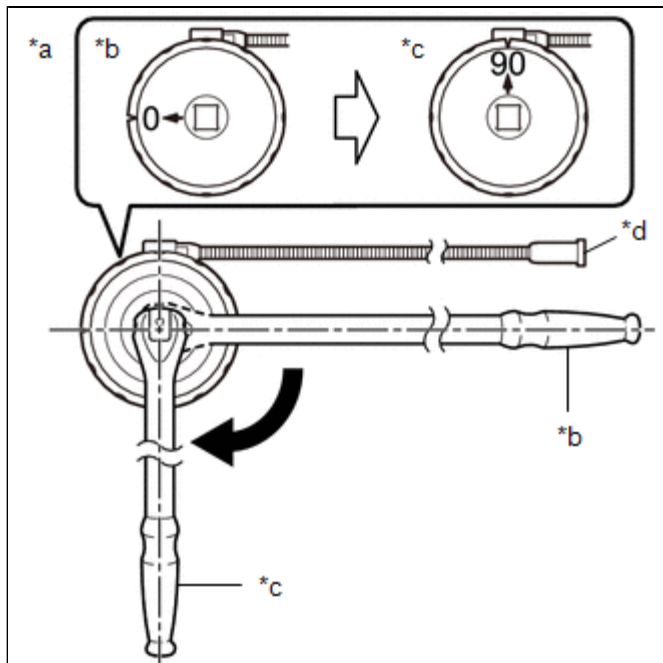
100 N·m {1020 kgf·cm, 74 ft·lbf}



(i) Using SST, tighten the 18 mm nut (1) an additional 90° and use the 16 mm bolt (2) for counter support.

SST: 09900-WA010

HINT:



*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.

2. INSTALL FUEL TANK

Click here [INFO](#)

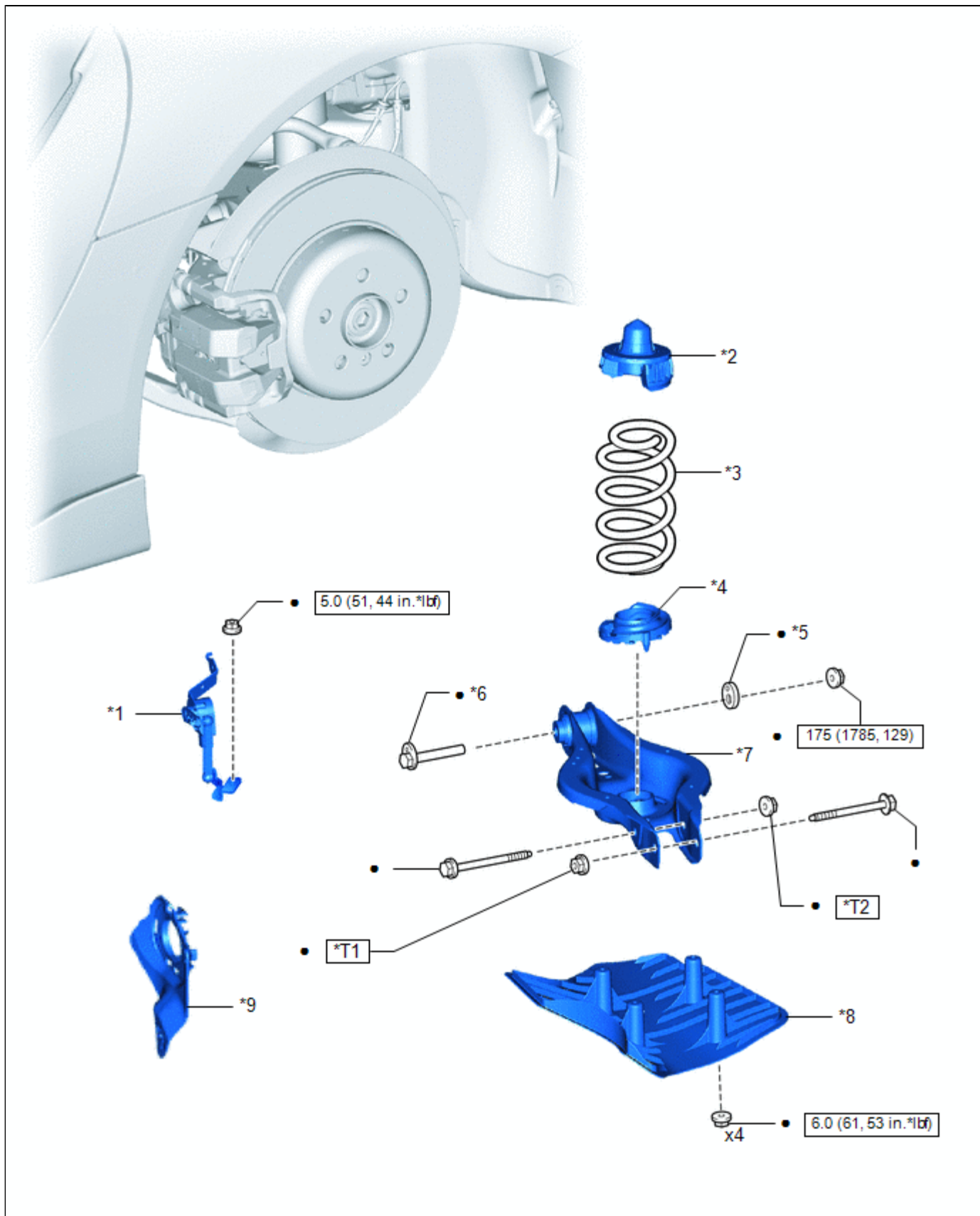
3. INSPECT AND ADJUST REAR WHEEL ALIGNMENT

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCMG
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR LOWER ARM (for No. 2 Arm): COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	REAR HEIGHT CONTROL SENSOR SUB-ASSEMBLY	*2	REAR UPPER COIL SPRING INSULATOR
*3	REAR COIL SPRING	*4	REAR LOWER COIL SPRING INSULATOR
*5	CAMBER ADJUST WASHER	*6	CAMBER ADJUST BOLT

*7	REAR NO. 2 SUSPENSION ARM ASSEMBLY	*8	REAR SUSPENSION ARM COVER
*9	STONEGUARD	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part
*T1	1st: 165 (1683, 122) 2nd: Turn 90°	*T2	1st: 100 (1020, 74) 2nd: Turn 90°

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCMH
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR LOWER ARM (for No. 2 Arm): REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Vehicle may slip off the vehicle hoist if the vehicle hoist is handled incorrectly.

Danger! Life-threatening injuries!

- Observe safety information on raising the vehicle using a vehicle hoist.
- For additional information see:

Click here [INFO](#)

HINT:

- Use the same procedure for the RH side and LH side.
- The following procedure is for the LH side.

PROCEDURE

1. REMOVE REAR WHEEL

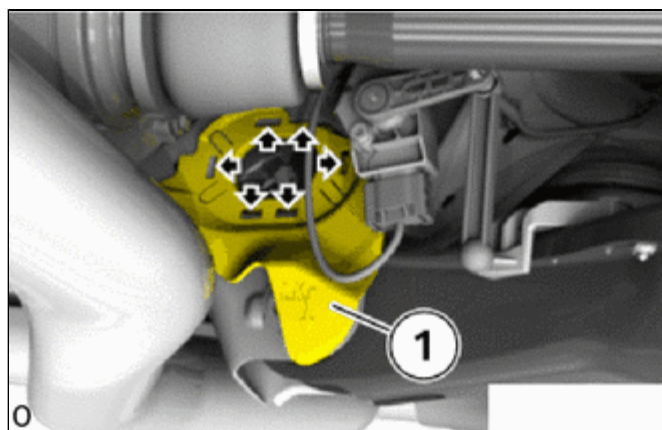
Click here [INFO](#)

2. REMOVE REAR SUSPENSION ARM COVER

Click here [INFO](#)

3. REMOVE STONEGUARD

- (a) Loosen the stoneguard (1) at the latch mechanisms (arrows) and remove.



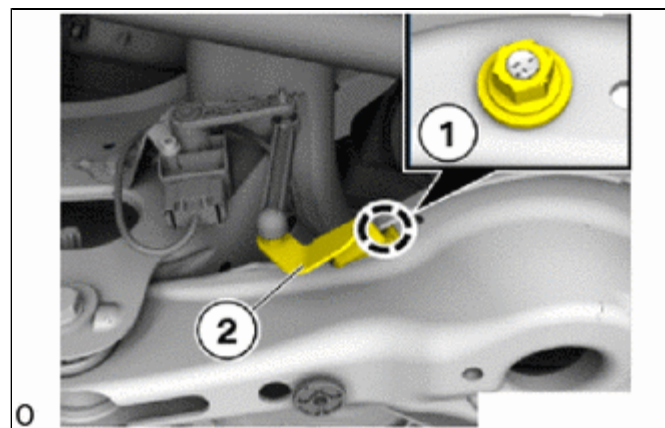
4. REMOVE REAR COIL SPRING

Click here [INFO](#)

5. REMOVE REAR NO. 2 SUSPENSION ARM ASSEMBLY

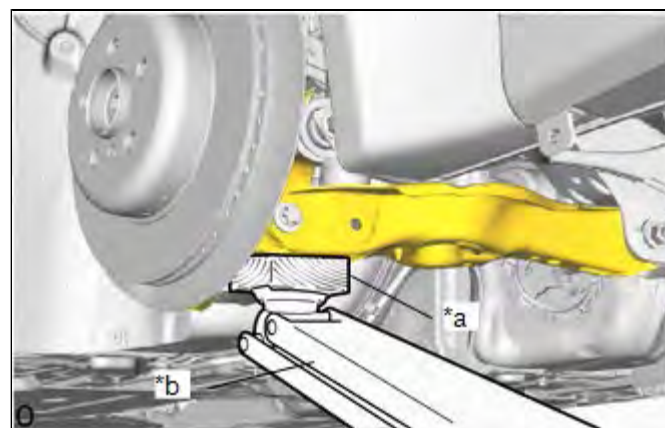
- (a) for LH Side:

(1) Unfasten nut (1).



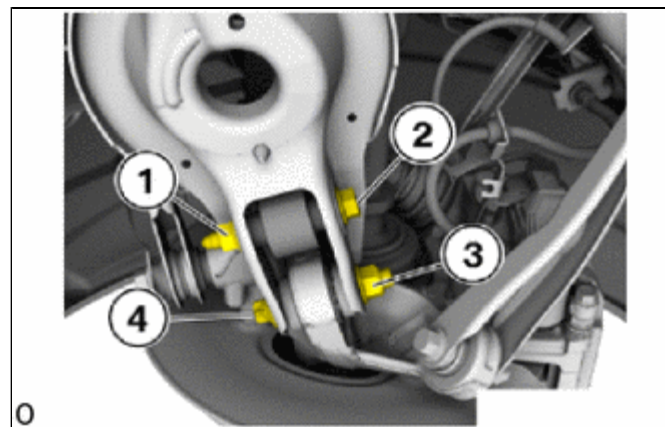
(2) Remove bracket (2) with the jointed rod.

(b) Support the rear axle carrier sub-assembly with the jack and wooden block.



*a	Wooden Block
*b	Jack

(c) Using an 18 mm deep socket wrench, unfasten nut (1).



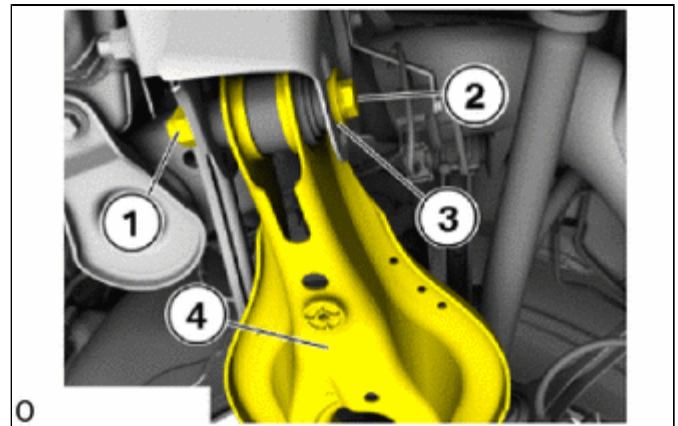
(d) Lift the rear axle carrier sub-assembly with the jack and wooden block to the point where the 18 mm bolt can be removed.

(e) Pull out 18 mm bolt (2).

(f) Loosen nut (3).

(g) Pull out E20 bolt (4).

(h) Unfasten nut (1).



(i) Pull out the 18 mm camber adjust bolt (2).

(j) Remove the camber adjust washer (3) and rear No. 2 suspension arm assembly (4).

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCM1
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR LOWER ARM (for No. 2 Arm): INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

CAUTION / NOTICE / HINT

- HINT:**
- Use the same procedure for the RH side and LH side.
 - The following procedure is for the LH side.

PROCEDURE

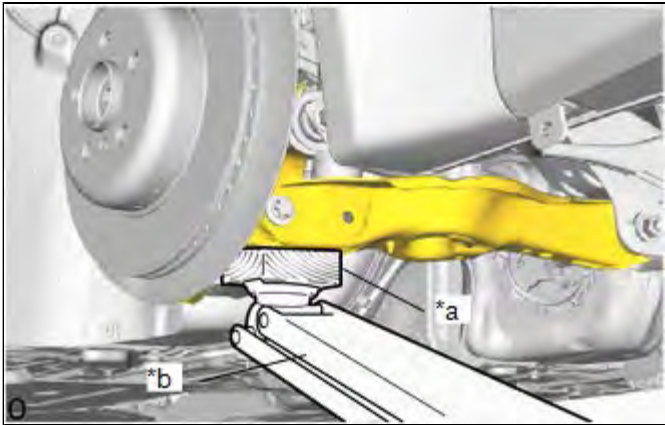
1. INSTALL REAR NO. 2 SUSPENSION ARM ASSEMBLY

- (a) Replace nut, camber adjust washer and 18 mm camber adjust bolt.
- (b) Position the rear No. 2 suspension arm assembly to the rear suspension member sub-assembly.
- (c) Position camber adjust washer.
- (d) Tighten nut.

Torque:
 175 N·m {1785 kgf·cm, 129 ft·lbf}

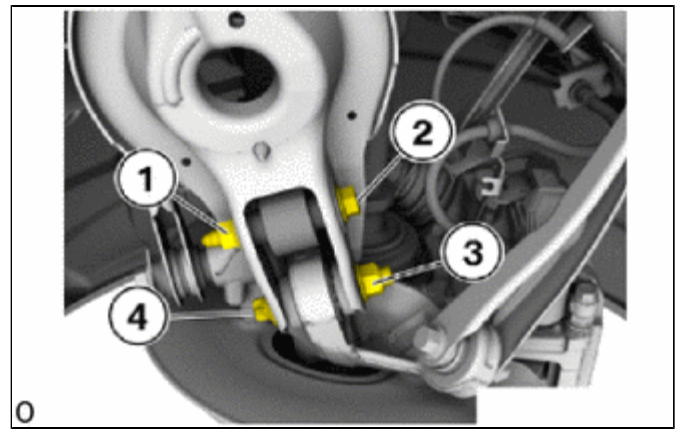
- HINT:**
 Tighten the bolt connection in the normal position.

- (e) Support the rear axle carrier sub-assembly with the jack and wooden block.



*a	Wooden Block
*b	Jack

- (f) Replace the 18 mm nut (1) and 18 mm bolt (2).



(g) Lift the rear axle carrier sub-assembly with the jack and wooden block to the point where the 18 mm bolt (2) can be inserted.

(h) Replace the nut (3) and E20 bolt (4).

(i) Tighten the nut (3) and E20 bolt (4).

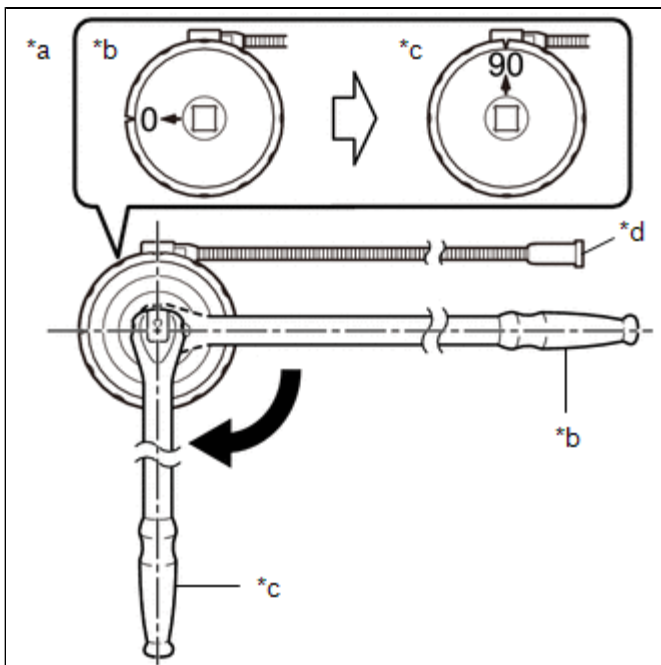
Torque:

165 N·m {1683 kgf·cm, 122 ft·lbf}

(j) Using SST, tighten the nut (3) an additional 90°.

SST: 09900-WA010

HINT:



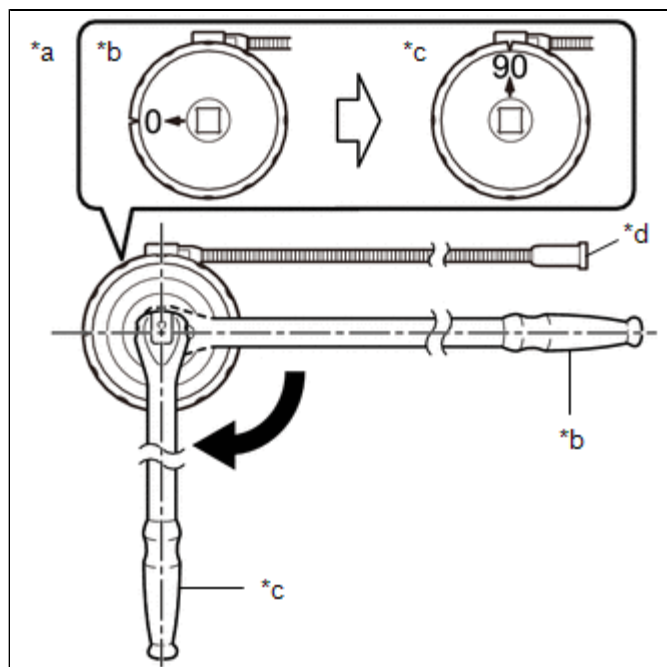
*a	Example
*b	Before Tightening
*c	After Tightening
*d	Magnetic Portion

- 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.

(k) Using an 18 mm deep socket wrench, tighten the 18 mm nut (1) and 18 mm bolt (2).

Torque:**100 N·m {1020 kgf·cm, 74 ft·lbf}**

(l) Using SST, tighten the nut (1) an additional 90°.

SST: 09900-WA010**HINT:**

*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.

(m) for LH Side:

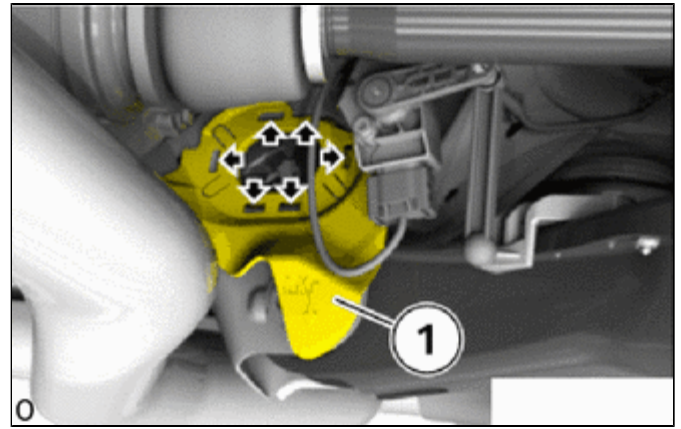
- (1) Replace nut.
- (2) Position bracket with the jointed rod.
- (3) Tighten nut.

Torque:**5.0 N·m {51 kgf·cm, 44 in·lbf}****2. INSTALL REAR COIL SPRING**Click here [INFO](#)**3. INSTALL STONEGUARD**

- (a) Install the stoneguard (1) and clip into the latch mechanisms (arrows).

HINT:

- Observe the marking of the installation location on the stoneguard (1).
- The arrow on the stoneguard (1) is pointing downwards.



4. INSTALL REAR SUSPENSION ARM COVER

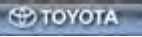
Click here [INFO](#)

5. INSTALL REAR WHEEL

Click here [INFO](#)

6. INSPECT AND ADJUST REAR WHEEL ALIGNMENT

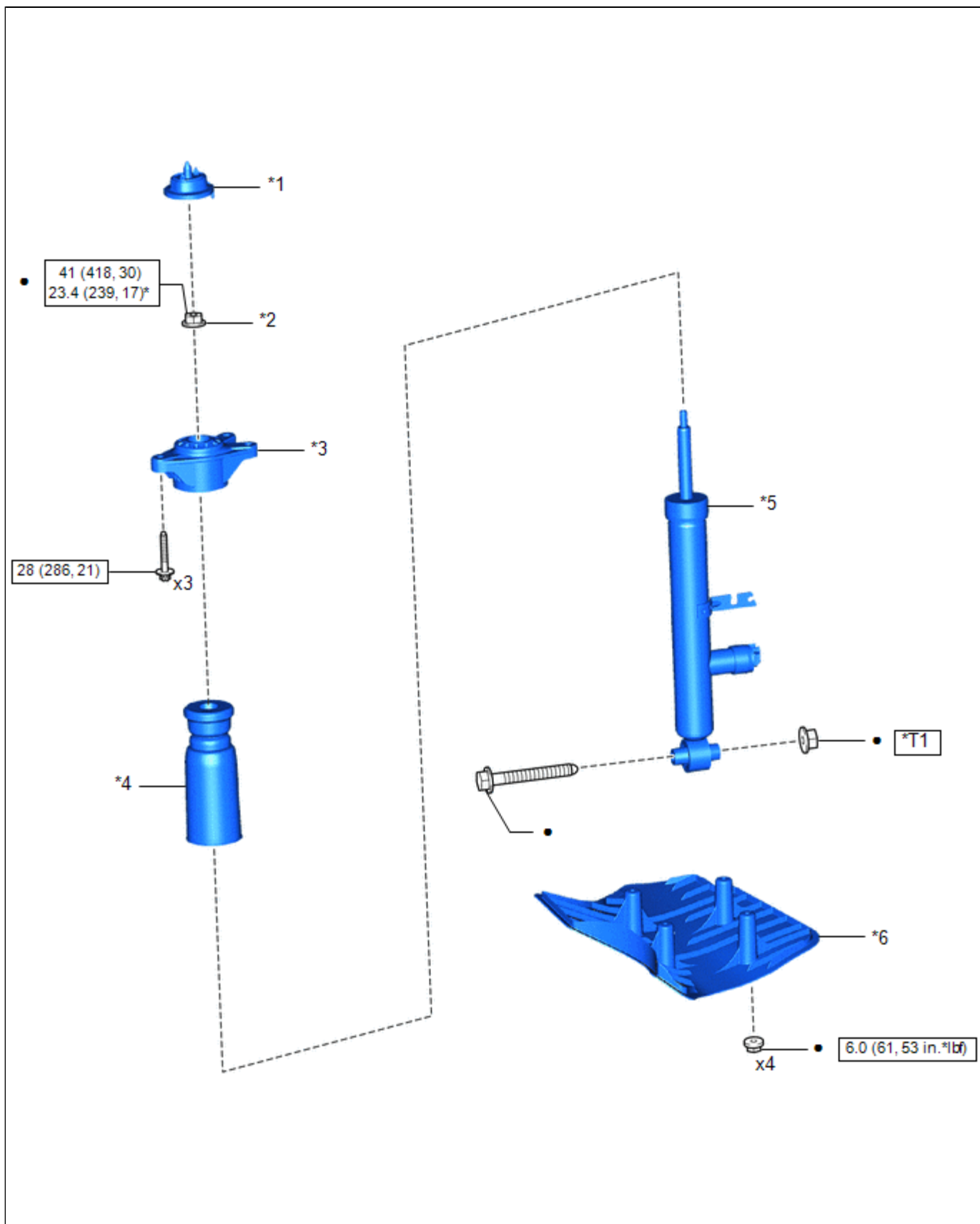
Click here [INFO](#)



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCLO
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR SHOCK ABSORBER: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*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

	N*m (kgf*cm, ft.*lbf): Specified torque	*	For use with SST
•	Non-reusable part	-	-
*T1	1st: 100 (1020, 74) 2nd: Turn 90°	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCLP
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR SHOCK ABSORBER: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Vehicle may slip off the vehicle hoist if the vehicle hoist is handled incorrectly.

Danger! Life-threatening injuries!

- Observe safety information on raising the vehicle using a vehicle hoist.
- For additional information see:

Click here [INFO](#)

HINT:

- Use the same procedure for the RH side and LH side.
- The following procedure is for the LH side.

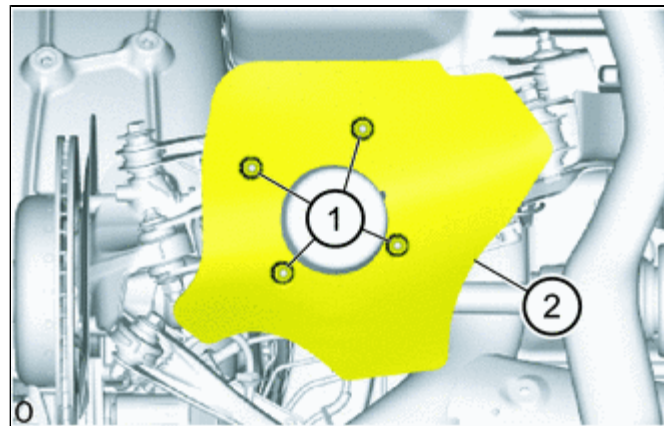
PROCEDURE

1. REMOVE REAR WHEEL

Click here [INFO](#)

2. REMOVE REAR SUSPENSION ARM COVER

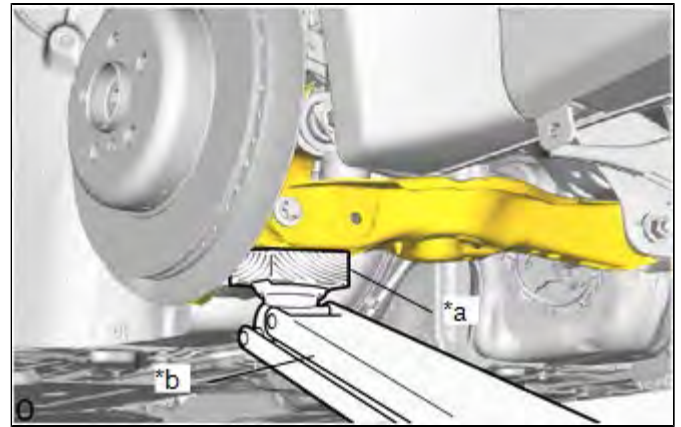
(a) Loosen nuts (1).



(b) Remove the rear suspension arm cover (2).

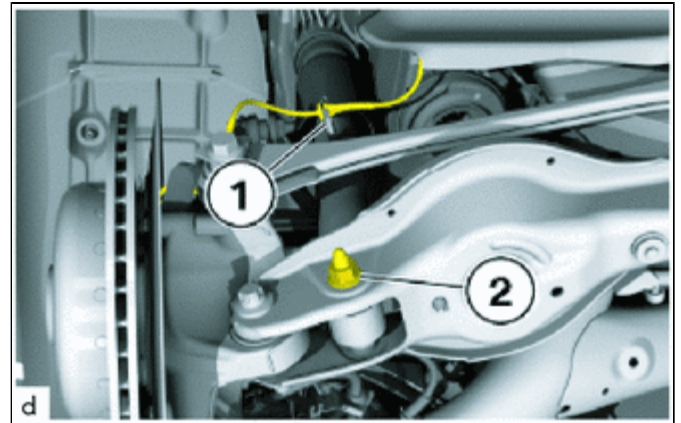
3. REMOVE REAR SHOCK ABSORBER ASSEMBLY

- (a) Support the rear axle carrier sub-assembly with the jack and wooden block.



*a	Wooden Block
*b	Jack

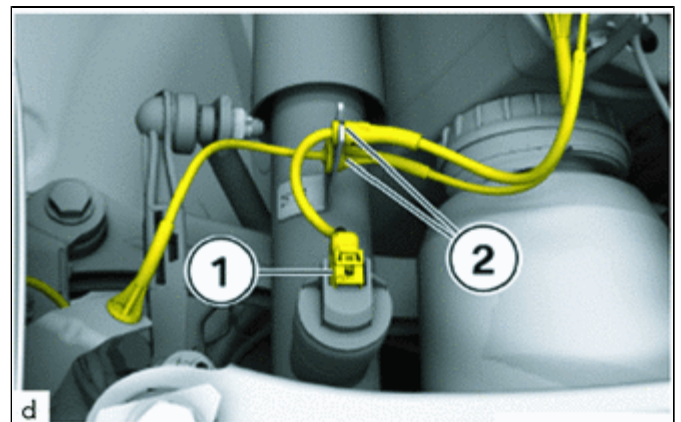
- (b) Unclip the cable from the holder (1).



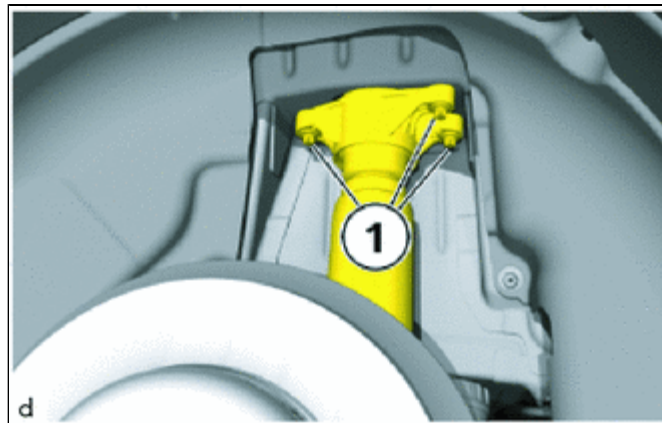
- (c) Using an 18 mm deep socket wrench, loosen nut (2).
- (d) Lift the rear axle carrier sub-assembly with the jack and wooden block to the point where the 18 mm bolt can be removed.
- (e) Pull out 18 mm bolt.
- (f) Slowly lower jack until rear axle carrier sub-assembly is freely suspended.
- (g) Remove the jack and wooden block from under the vehicle.

- (h) w/ AVS:

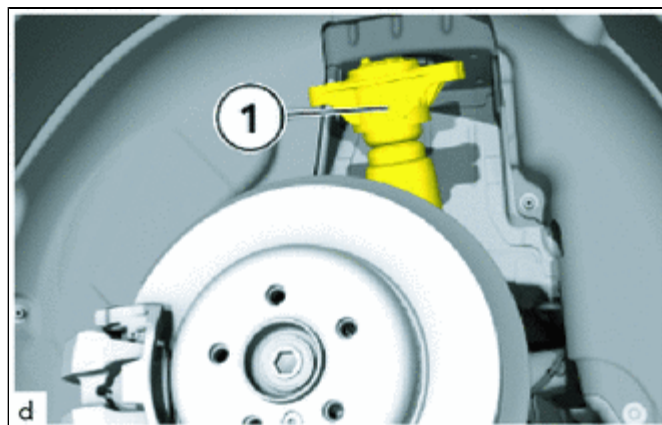
- (1) Unlock plug connection (1) and disconnect.
- (2) Detach lines (2) from the holder.



(i) Loosen E14 bolts (1).

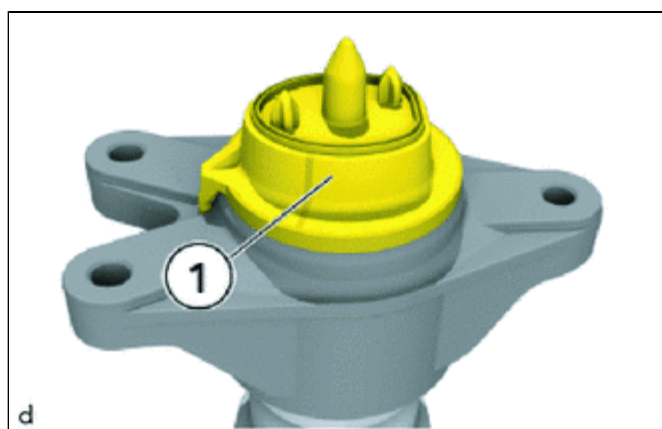


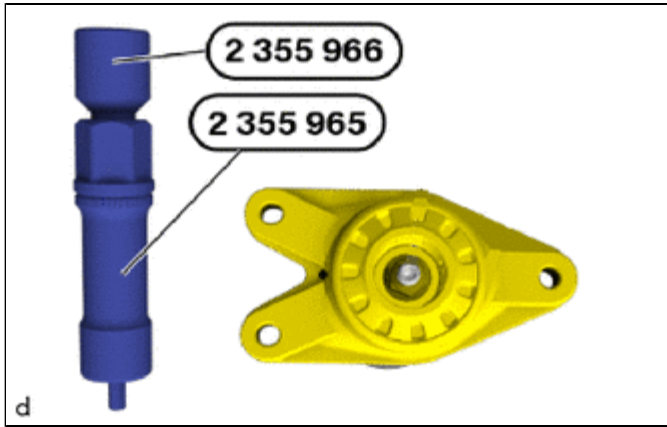
(j) Press the rear shock absorber assembly (1) together and guide upwards from the wheel arch.



4. REMOVE REAR SUSPENSION SUPPORT ASSEMBLY

(a) Remove the rear No. 1 shock absorber cushion.





(b) Set the special tools 2 355 965 and 2 355 966 .

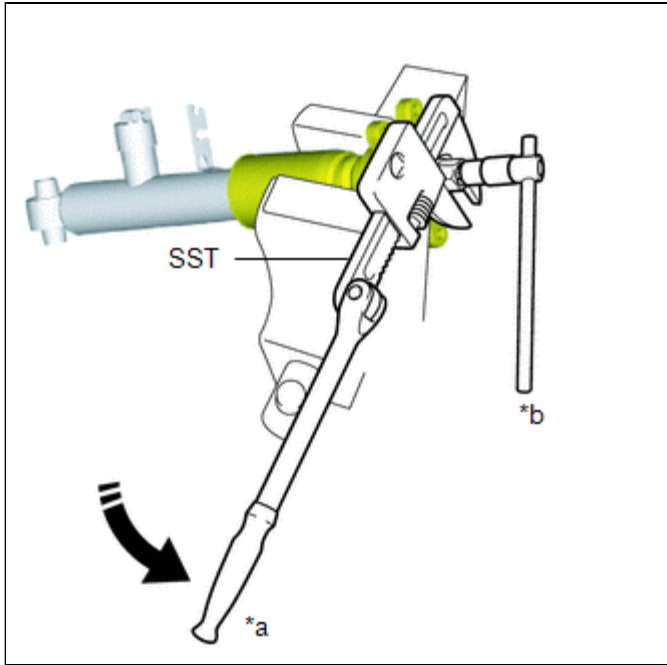
SST: 09700-WA010

SST: 09700-WA020

(c) Secure the rear shock absorber assembly in a vise using aluminum plates.

NOTICE:

Do not overtighten the vise.



*a	Turn
*b	Hold

(d) Using SST, hold the rear shock absorber rod and remove the rear support to rear shock absorber nut.

SST: 09700-WA010

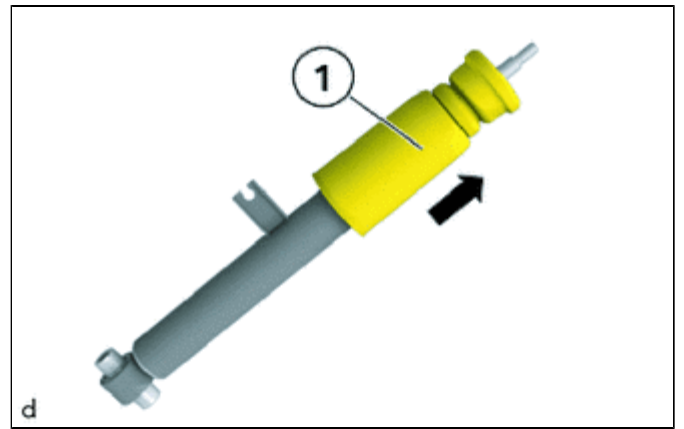
SST: 09700-WA020

SST: 09922-10010

(e) Remove rear suspension support assembly.

5. REMOVE REAR NO. 1 SPRING BUMPER

(a) Remove rear No. 1 spring bumper (1).



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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR SHOCK ABSORBER: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

CAUTION / NOTICE / HINT

HINT:

- Use the same procedure for the RH side and LH side.
- The following procedure is for the LH side.

PROCEDURE

1. INSTALL REAR NO. 1 SPRING BUMPER

- (a) Mount rear No. 1 spring bumper.

2. INSTALL REAR SUSPENSION SUPPORT ASSEMBLY

- (a) Secure the rear suspension support assembly in a vise using aluminum plates.

NOTICE:

Do not overtighten the vise.

- (b) Install the rear suspension support assembly to the rear shock absorber assembly.
- (c) Replace the rear support to rear shock absorber nut.

- (d) Using SST, hold the rear shock absorber rod and tighten the rear support to rear shock absorber nut.

SST: 09700-WA010

SST: 09700-WA020

SST: 09922-10010

Torque:

Specified tightening torque :

41 N·m { 418 kgf·cm, 30 ft·lbf }

NOTICE:

Securely insert SST into the rear shock absorber rod to prevent damage to the rear shock absorber assembly when tightening the rear support to rear shock absorber nut.

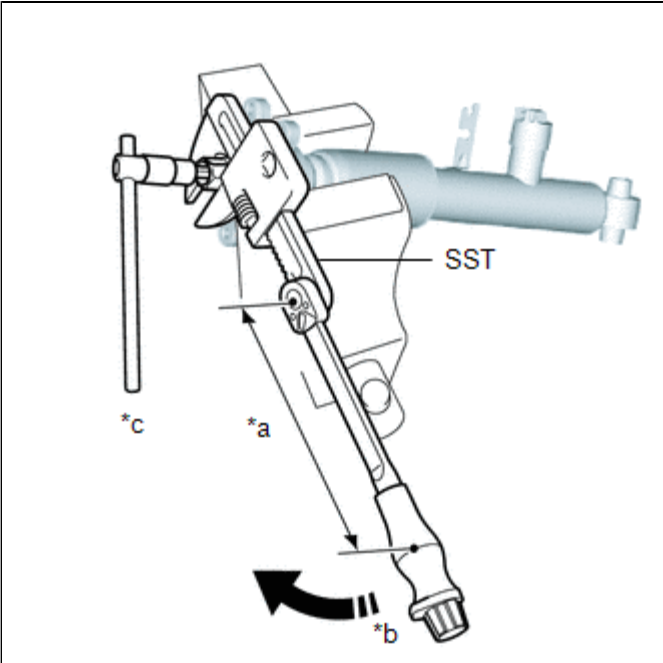
HINT:

- Calculate the torque wrench reading when changing the fulcrum length of the torque wrench.

Click here [INFO](#)

- When using SST (fulcrum length of 136 mm (5.35 in.)) + torque wrench (fulcrum length of 180 mm (7.09 in.)):

23.4 N*m (239 kgf*cm, 17 ft.*lbf)



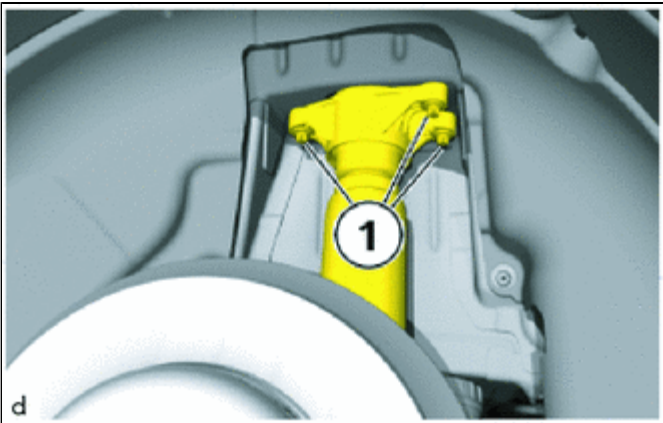
*a	Torque Wrench Fulcrum Length
*b	Turn
*c	Hold

3. INSTALL REAR SHOCK ABSORBER ASSEMBLY

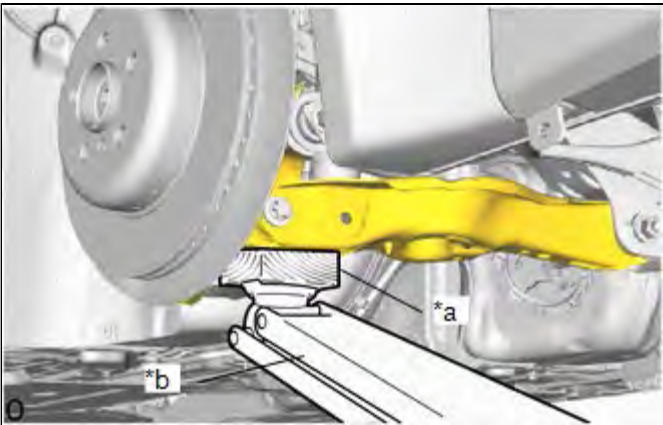
- (a) Install the rear No. 1 shock absorber cushion.
- (b) Press the rear shock absorber assembly together and guide downwards into the wheel arch.

- (c) Tighten the E14 bolts (1).

Torque:
28 N·m {286 kgf·cm, 21 ft·lbf}



- (d) Clip in cable into the holder.



- (e) Support the rear axle carrier sub-assembly with the jack and wooden block.

*a	Wooden Block
*b	Jack

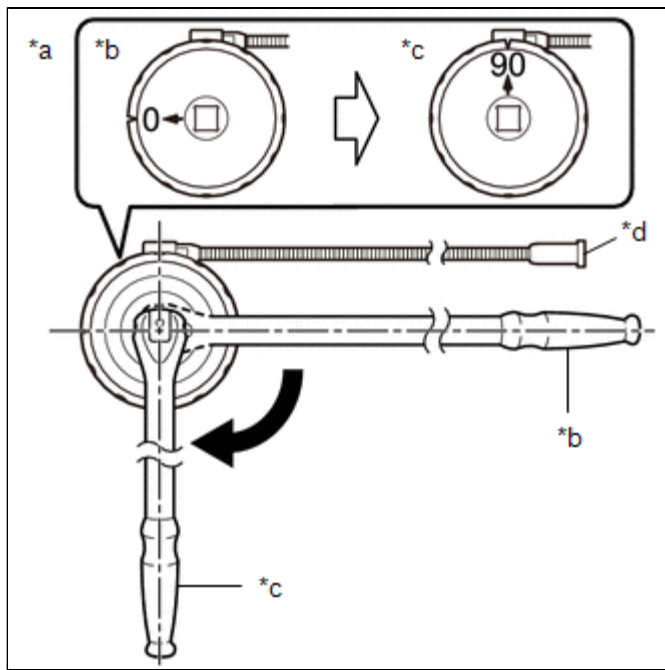
- (f) Lift the rear axle carrier sub-assembly with the jack and wooden block to the point where the 18 mm bolt can be inserted.
- (g) Replace 18 mm bolt and 18 mm nut.
- (h) Using an 18 mm deep socket wrench, tighten nut.

Torque:
100 N·m {1020 kgf·cm, 74 ft·lbf}

- (i) Using SST and 18 mm deep socket wrench, tighten the nut an additional 90°.

SST: 09900-WA010

HINT:



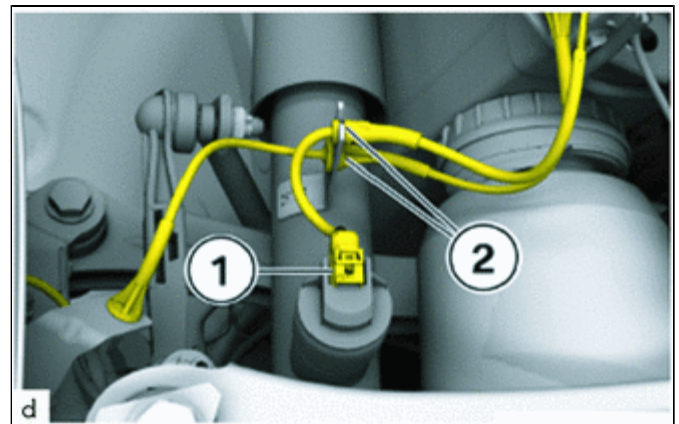
*a	Example
*b	Before Tightening
*c	After Tightening
*d	Magnetic Portion

- 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.

(j) Remove the jack and wooden block from under the vehicle.

(k) w/ AVS:

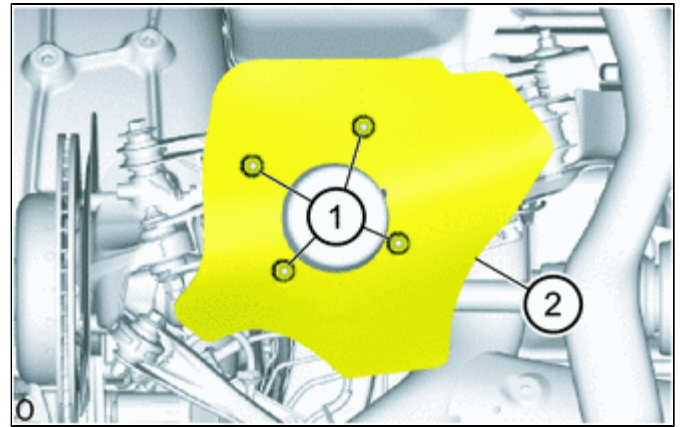
(1) Connect connectors (1) and lock.



(2) Attach the lines (2) to the holder.

4. INSTALL REAR SUSPENSION ARM COVER

(a) Install the rear suspension arm cover (2).



(b) Replace the nuts (1).

(c) Tighten down nuts (1).

Torque:

6.0 N·m { 61 kgf·cm, 53 in·lbf }

5. INSTALL REAR WHEEL

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCLR
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR SHOCK ABSORBER: DISPOSAL; 2020 MY Supra [03/2019 -]		

DISPOSAL

CAUTION / NOTICE / HINT

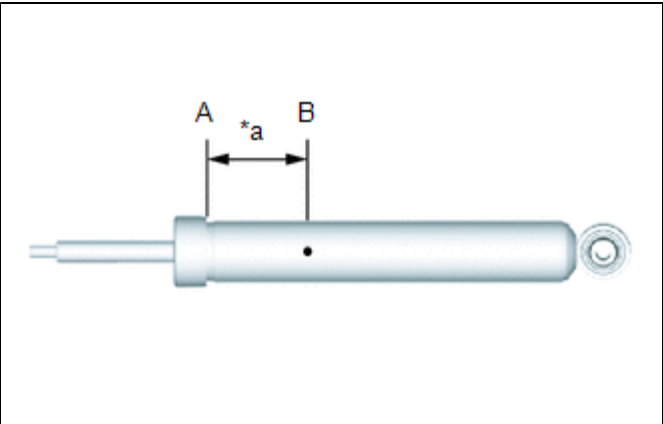
HINT:

- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.

PROCEDURE

1. DISPOSE OF REAR SHOCK ABSORBER ASSEMBLY

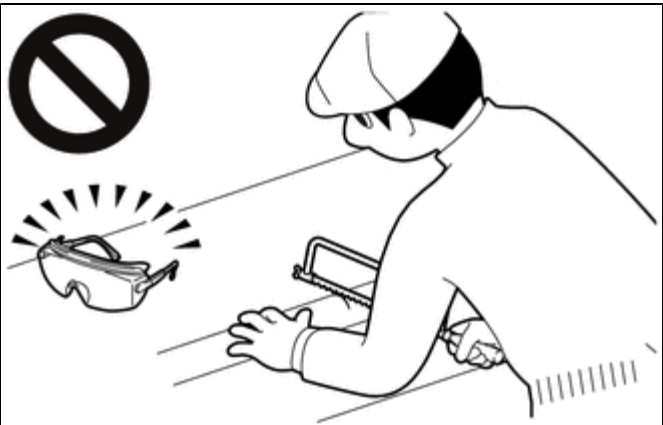
- Fully extend the rear shock absorber assembly.
- Secure the rear shock absorber assembly horizontally in a vise with the piston rod pulled out.
- Wearing protective glasses, extend the piston rod and cover it with a cloth. At position B, located 50.0 mm (1.97 in.) from position A shown in the illustration, use a metal saw to cut a hole and release the gas.



*a	50.0 mm (1.97 in.)
----	--------------------

CAUTION:

Always use proper safety equipment and be careful when drilling because shards of metal way fly about.



HINT:

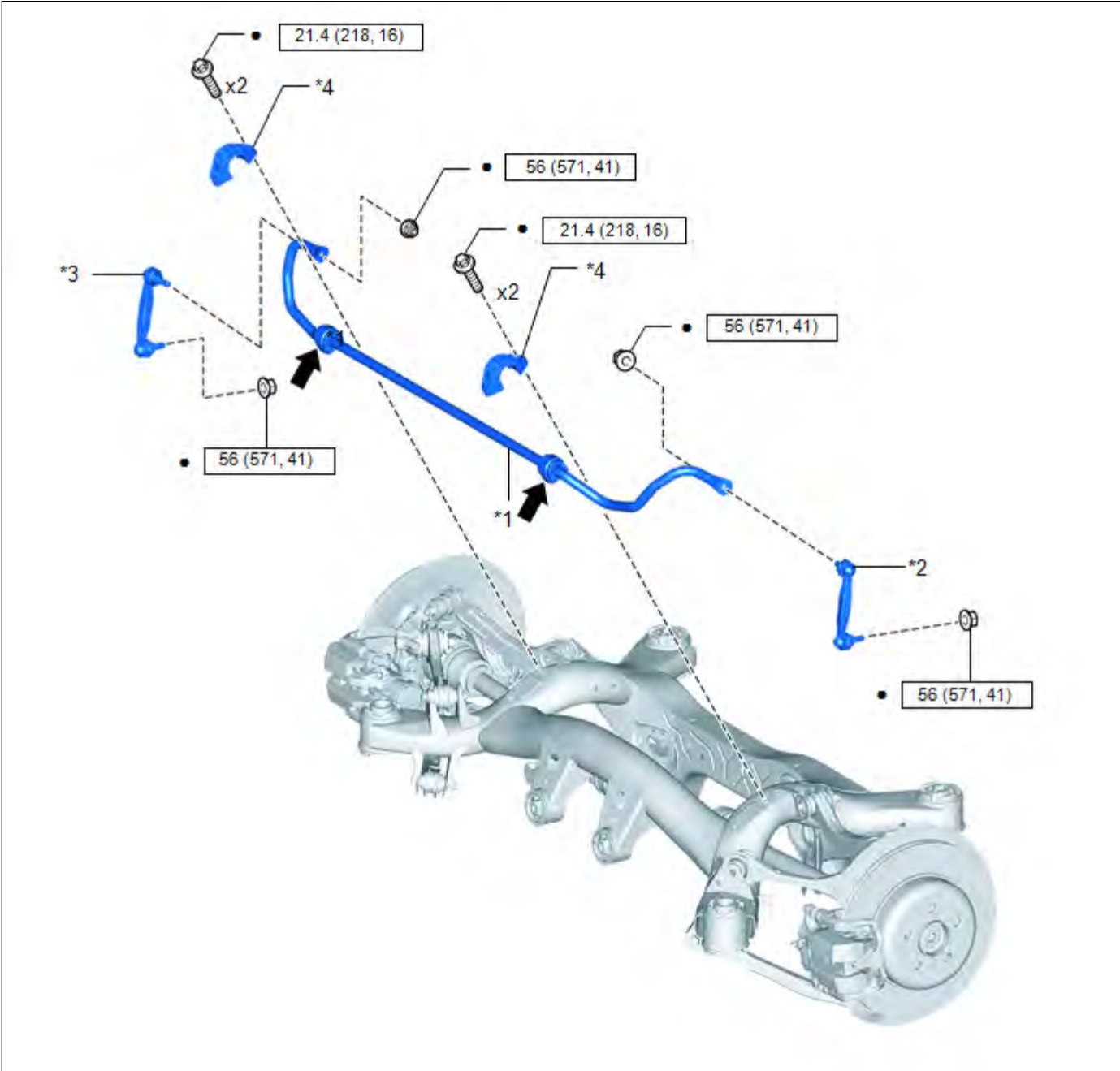
The gas is colorless, odorless and non-poisonous.



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCM4
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR STABILIZER BAR: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	REAR STABILIZER BAR	*2	REAR STABILIZER LINK ASSEMBLY LH
*3	REAR STABILIZER LINK ASSEMBLY RH	*4	REAR NO. 1 STABILIZER BAR BRACKET
	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part

	Assembly Aid	-	-
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Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCM5
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR STABILIZER BAR: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Vehicle may slip off the vehicle hoist if the vehicle hoist is handled incorrectly.

Danger! Life-threatening injuries!

- Observe safety information on raising the vehicle using a vehicle hoist.
- For additional information see:

Click here [INFO](#)

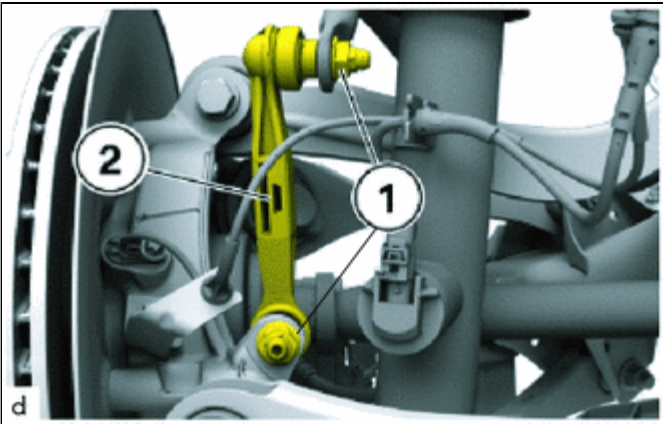
PROCEDURE

1. REMOVE REAR WHEEL

Click here [INFO](#)

2. REMOVE REAR STABILIZER LINK ASSEMBLY LH

- (a) Unscrew the 16 mm nuts (1) and use the T30 "TORX" socket wrench for counter support as needed.



- (b) Remove the rear stabilizer link assembly LH (2).

3. REMOVE REAR STABILIZER LINK ASSEMBLY RH

HINT:

Use the same procedure as for the LH side.

4. REMOVE REAR SUSPENSION MEMBER SUB-ASSEMBLY

Click here [INFO](#)

5. REMOVE REAR STABILIZER BAR

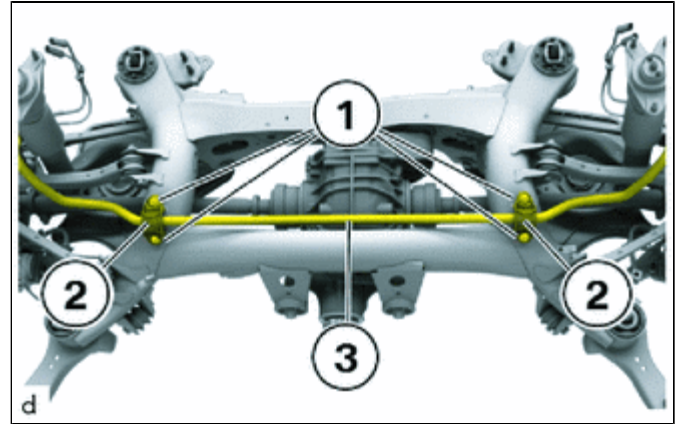
CAUTION:

- The rear suspension member sub-assembly is a very heavy component. Make sure that it is supported securely.
- If the rear suspension member sub-assembly is not securely supported, it may drop, resulting in serious injury.

NOTICE:

Use attachments and wooden blocks to keep the rear suspension member sub-assembly level.

(a) Loosen E12 bolts (1).



(b) Detach both rear No. 1 stabilizer bar brackets (2).

(c) Remove the rear stabilizer bar (3).

NOTICE:

Keep the rear stabilizer bar clean and free of oil and grease.

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCM6
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR STABILIZER BAR: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL REAR STABILIZER BAR

CAUTION:

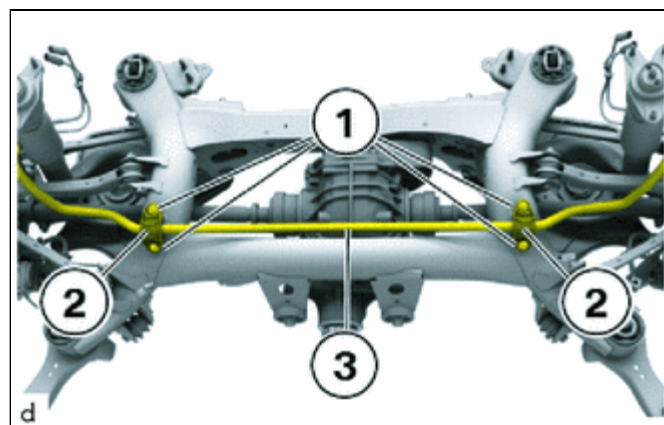
- The rear suspension member sub-assembly is a very heavy component. Make sure that it is supported securely.
- If the rear suspension member sub-assembly is not securely supported, it may drop, resulting in serious injury.

NOTICE:

Use attachments and wooden blocks to keep the rear suspension member sub-assembly level.

(a) Coat the outer sides of the rubber mounts with assembly aid.

(b) Install the rear stabilizer bar (3).



(c) Position both rear No. 1 stabilizer bar brackets (2).

(d) Replace E12 bolts (1).

(e) Tighten the E12 bolts (1).

Torque:

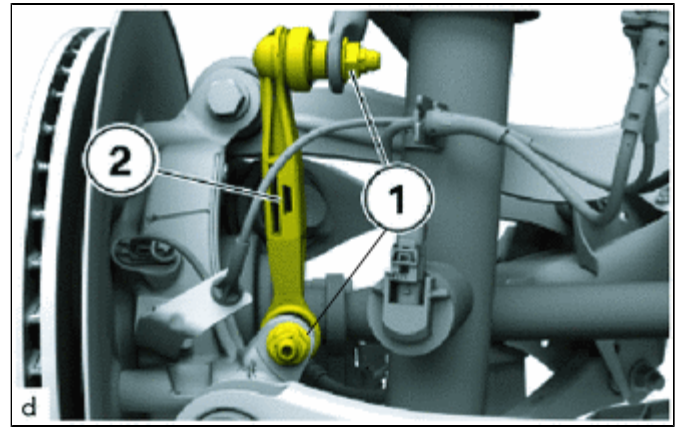
21.4 N·m {218 kgf·cm, 16 ft·lbf}

2. INSTALL REAR SUSPENSION MEMBER SUB-ASSEMBLY

Click here [INFO](#)

3. INSTALL REAR STABILIZER LINK ASSEMBLY LH

(a) Position rear stabilizer link assembly LH (2).



(b) Replace 16 mm nuts (1).

(c) Tighten the 16 mm nuts (1), if necessary, counter support the T30 "TORX" socket wrench.

Torque:

56 N·m {571 kgf·cm, 41 ft·lbf}

4. INSTALL REAR STABILIZER LINK ASSEMBLY RH

HINT:

Use the same procedure as for the LH side.

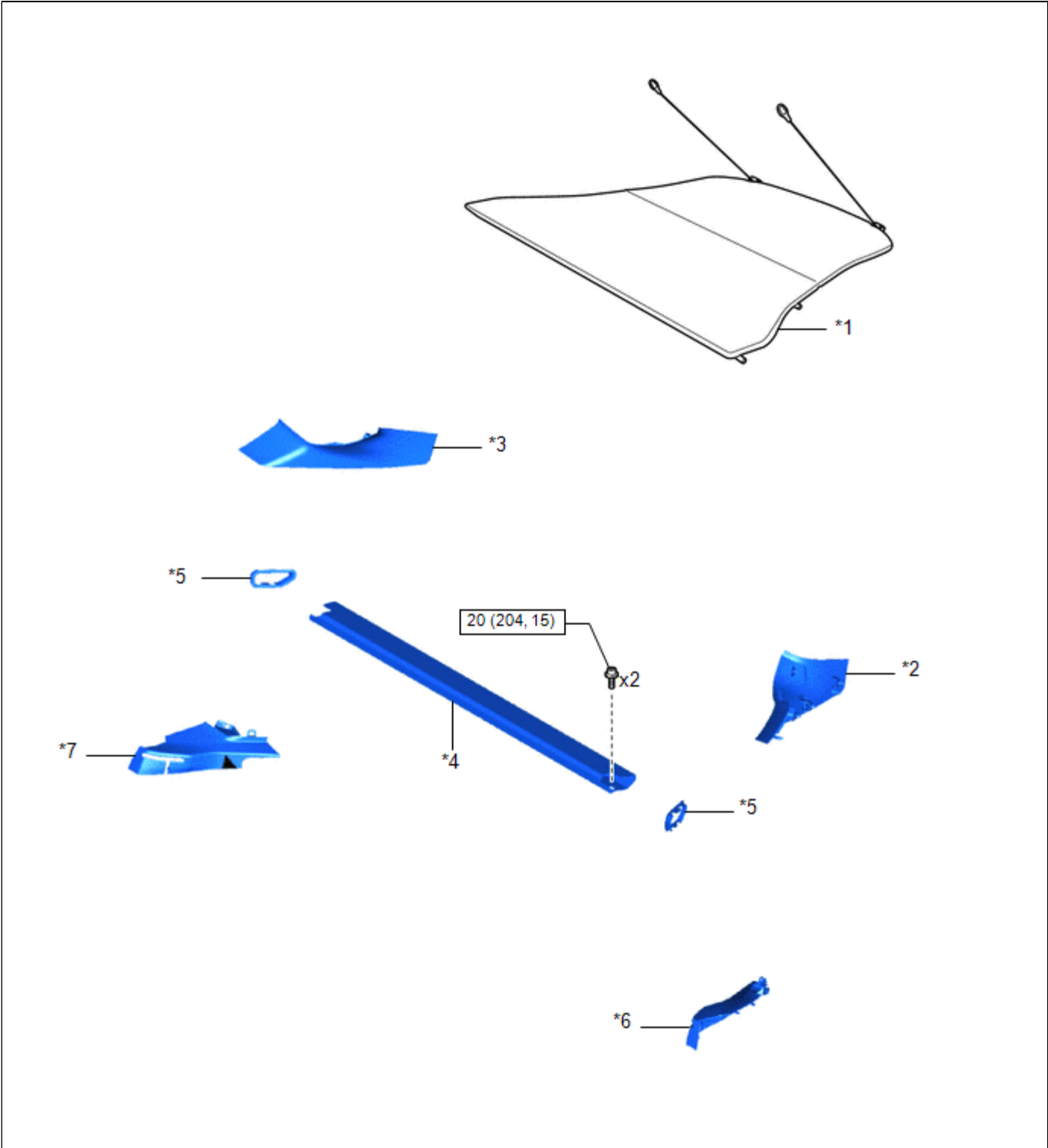
5. INSTALL REAR WHEEL

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCLL
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR STRUT BAR: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	PACKAGE TRAY TRIM PANEL	*2	ROOF SIDE INNER GARNISH ASSY LH
----	-------------------------	----	---------------------------------

	ASSEMBLY		
*3	ROOF SIDE INNER GARNISH ASSY RH	*4	TRANSVERS PIPE
*5	TRANSVERS PIPE TRIM	*6	SEAT BELT HOLE COVER SUB- ASSEMBLY LH
*7	SEAT BELT HOLE COVER SUB- ASSEMBLY RH	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCLM
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR STRUT BAR: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

PROCEDURE

1. REMOVE PACKAGE TRAY TRIM PANEL ASSEMBLY

Click here [INFO](#)

2. REMOVE ROOF SIDE INNER GARNISH ASSEMBLY LH

Click here [INFO](#)

3. REMOVE ROOF SIDE INNER GARNISH ASSEMBLY RH

HINT:

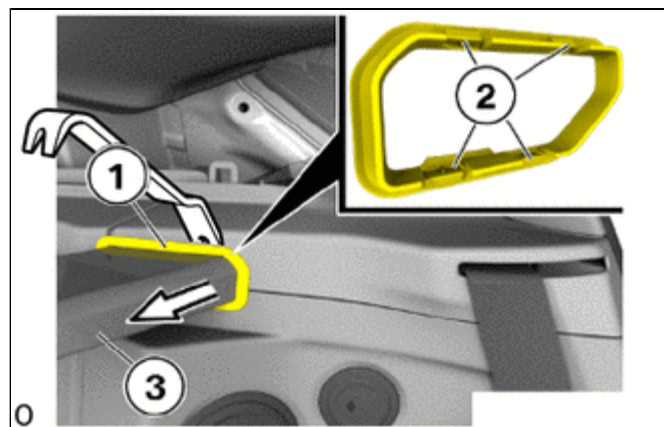
Use the same procedure as for the LH side.

4. SEPARATE TRANSVERSE PIPE TRIM

- (a) Using a molding remover B, detach the claws (2) and separate the transverse pipe trim (1).

HINT:

Use the same procedure for both sides.



5. REMOVE SEAT BELT HOLE COVER SUB-ASSEMBLY LH

Click here [INFO](#)

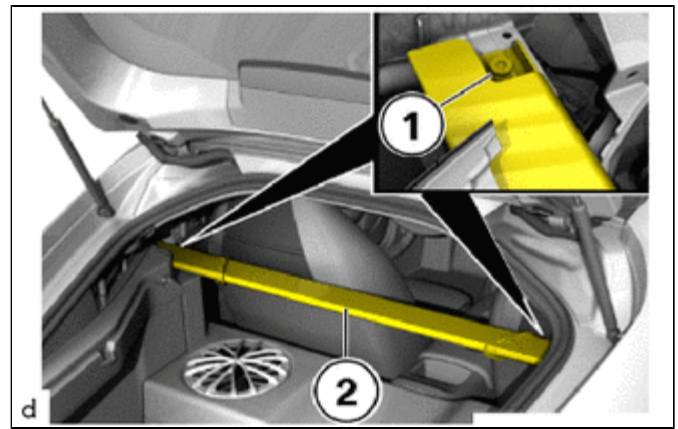
6. REMOVE SEAT BELT HOLE COVER SUB-ASSEMBLY RH

HINT:

Use the same procedure as for the LH side.

7. REMOVE TRANSVERSE PIPE

(a) Loosen T50 bolts (1).



(b) Slide out the transverse pipe (2) to the top under the trim panels of the deck side trim cover.

8. REMOVE TRANSVERSE PIPE TRIM

(a) Remove the transverse pipe trim from the transverse pipe.

HINT:

Use the same procedure for both sides.



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCLN
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR STRUT BAR: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL TRANSVERSE PIPE TRIM

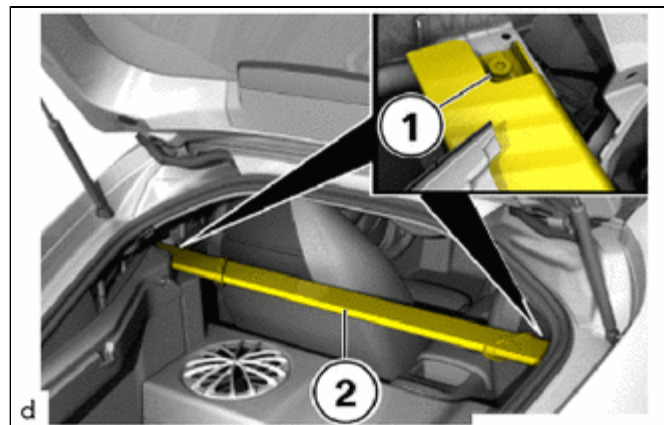
- (a) Install the transverse pipe trim to the tonneau cover holder.

HINT:

Use the same procedure for both sides.

2. INSTALL TRANSVERSE PIPE

- (a) Thread the transverse pipe (2) from the top under the trim panels of the deck side trim cover and position.



- (b) Tighten down T50 bolts (1).

Torque:

20 N·m {204 kgf·cm, 15 ft·lbf}

3. INSTALL SEAT BELT HOLE COVER SUB-ASSEMBLY LH

Click here [INFO](#)

4. INSTALL SEAT BELT HOLE COVER SUB-ASSEMBLY RH

HINT:

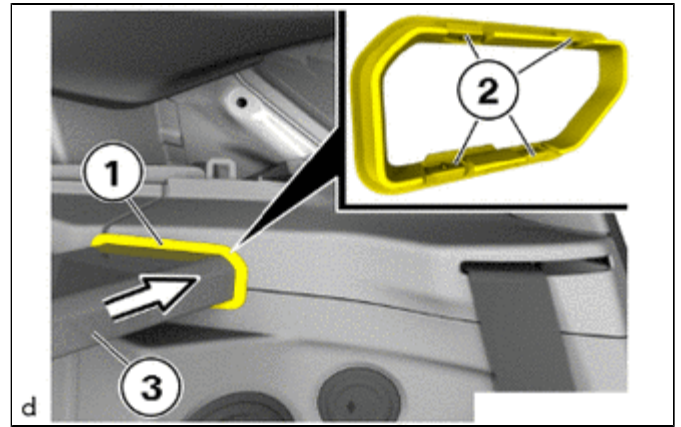
Use the same procedure as for the LH side.

5. INSTALL TRANSVERSE PIPE TRIM

- (a) Move the transverse pipe trim (1) in direction of arrow on the transverse pipe (3) and clip in with the claws (2).

HINT:

Use the same procedure for both sides.



6. INSTALL ROOF SIDE INNER GARNISH ASSEMBLY LH

Click here [INFO](#)

7. INSTALL ROOF SIDE INNER GARNISH ASSEMBLY RH

HINT:

Use the same procedure as for the LH side.

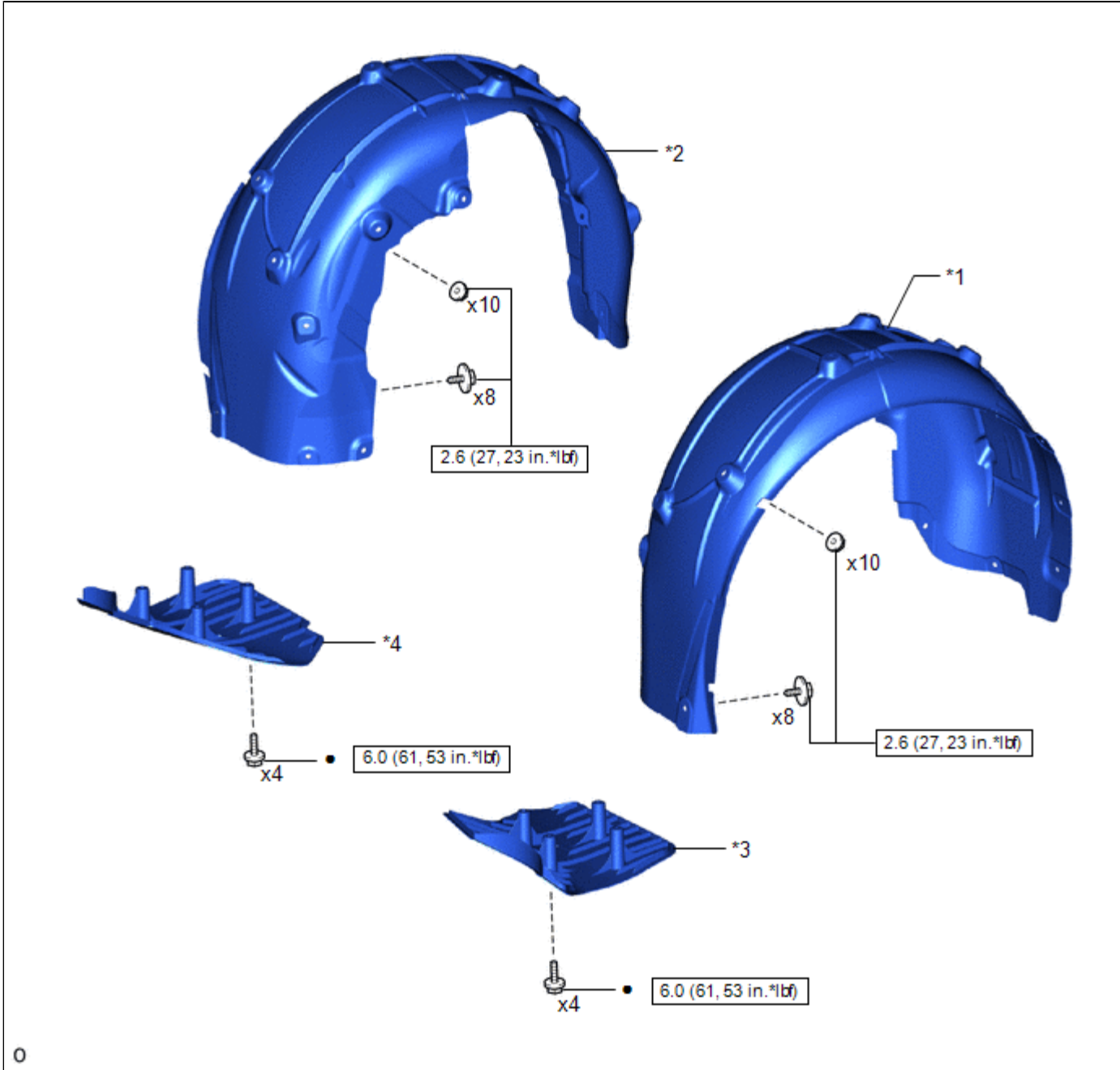
8. INSTALL PACKAGE TRAY TRIM PANEL ASSEMBLY

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCM7
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR SUSPENSION MEMBER: COMPONENTS; 2020 MY Supra [03/2019 -]		

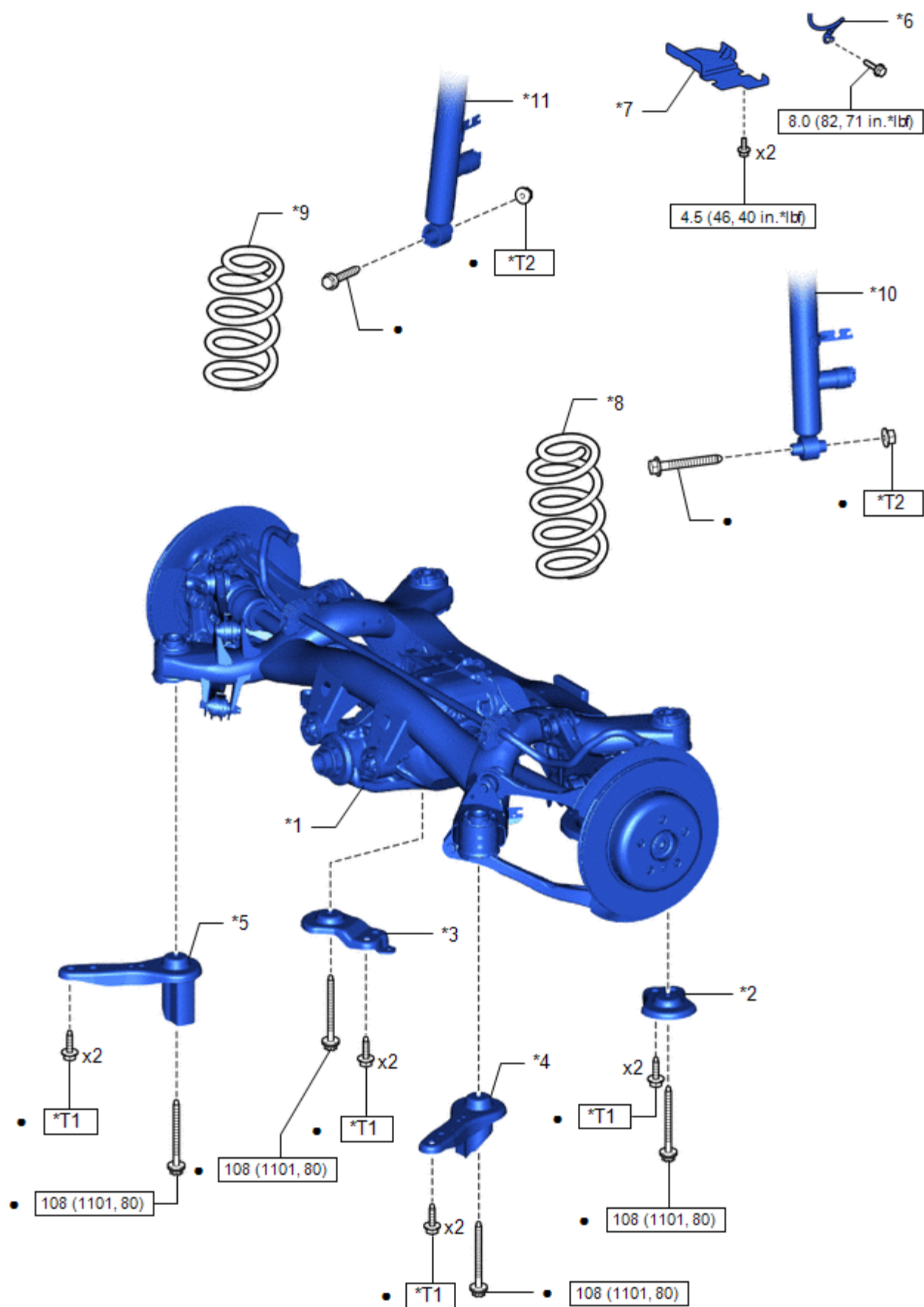
COMPONENTS

ILLUSTRATION



*1	REAR WHEEL HOUSE LINER LH	*2	REAR WHEEL HOUSE LINER RH
*3	REAR SUSPENSION ARM COVER LH	*4	REAR SUSPENSION ARM COVER RH
	N*m (kgf*cm, ft.*lbf): Specified torque		Non-reusable part

ILLUSTRATION



*1	REAR SUSPENSION MEMBER SUB-ASSEMBLY	*2	REAR SUSPENSION MEMBER REAR LOWER BRACE LH
*3	REAR SUSPENSION MEMBER REAR LOWER BRACE RH	*4	REAR LOWER SUSPENSION MEMBER STOPPER LH
*5	REAR LOWER SUSPENSION MEMBER STOPPER RH	*6	GROUND WIRE
*7	REAR DIFFERENTIAL PROTECTOR	*8	REAR COIL SPRING LH
*9	REAR COIL SPRING RH	*10	REAR SHOCK ABSORBER LH
*11	REAR SHOCK ABSORBER RH	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part
*T1	1st: 47 (479, 35) 2nd: Turn 45°	*T2	1st: 100 (1020, 74) 2nd: Turn 90°

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCM8
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR SUSPENSION MEMBER: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Motor vehicle may slip off the vehicle hoist where components are supported.

Danger! Life-threatening injuries!

- Secure the vehicle hoist against lowering and lifting.

- Motor vehicle may slip off the vehicle hoist if the weight is distributed unevenly.

Danger! Life-threatening injuries!

- Ensure there is a specific weight compensation on the motor vehicle.

- Vehicle may slip off the vehicle hoist if the vehicle hoist is handled incorrectly.

Danger! Life-threatening injuries!

- Observe safety information on raising the vehicle using a vehicle hoist.
- For additional information see:

Click here [INFO](#)

PROCEDURE

1. REMOVE REAR WHEEL

Click here [INFO](#)

2. REMOVE REAR WHEEL HOUSE LINER LH

HINT:

Use the same procedure as for the RH side.

3. REMOVE REAR WHEEL HOUSE LINER RH

Click here [INFO](#)

4. REMOVE REAR SUSPENSION ARM COVER LH

Click here [INFO](#)

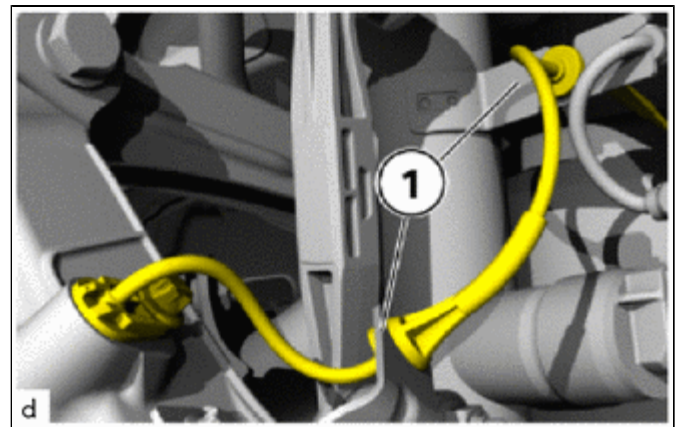
5. REMOVE REAR SUSPENSION ARM COVER RH

HINT:

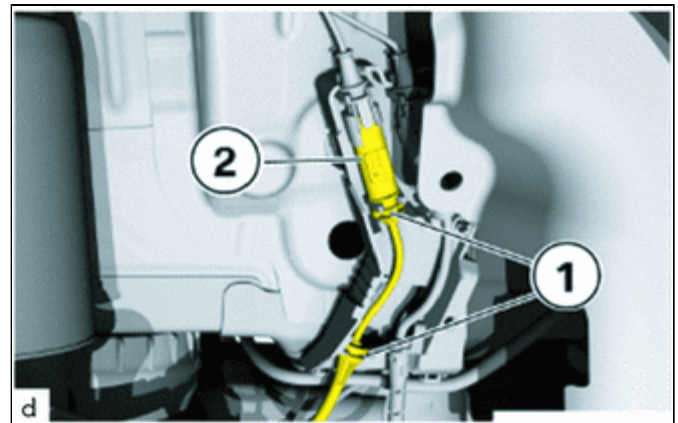
Use the same procedure as for the LH side.

6. SEPARATE REAR SKID CONTROL SENSOR WIRE LH

(a) Detach the rear skid control sensor wire LH from the brackets (1).



(b) Detach the rear skid control sensor wire LH from the brackets (1).



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

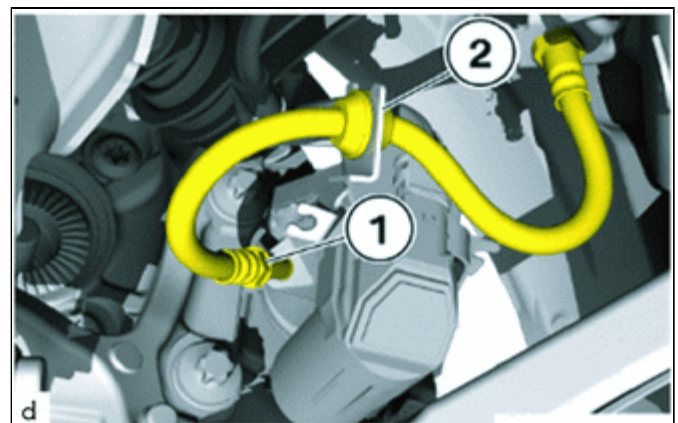
7. SEPARATE REAR SKID CONTROL SENSOR WIRE RH

HINT:

Use the same procedure as for the LH side.

8. SEPARATE REAR FLEXIBLE HOSE LH

(a) Feed out rear flexible hose LH (1) from the holder (2).



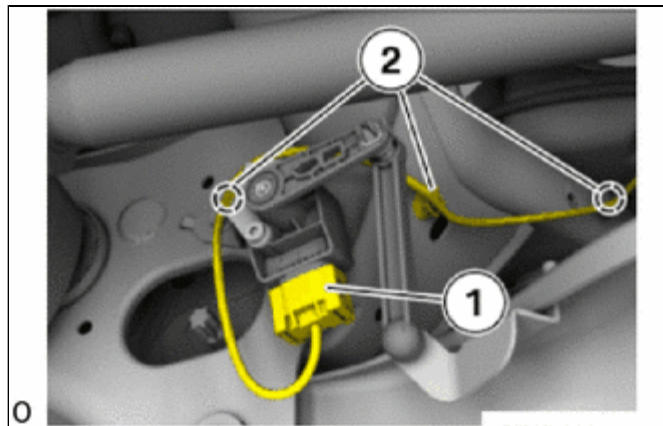
9. SEPARATE REAR FLEXIBLE HOSE RH

HINT:

Use the same procedure as for the LH side.

10. SEPARATE WIRE HARNESS

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



(b) Detach wire harness of the rear height control sensor sub-assembly from the brackets (2) and lay to one side.

11. REMOVE REAR DISC BRAKE PAD

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

12. REMOVE PROPELLER SHAFT WITH CENTER BEARING ASSEMBLY

Click here **INFO**

13. REMOVE REAR COIL SPRING LH

Click here **INFO**

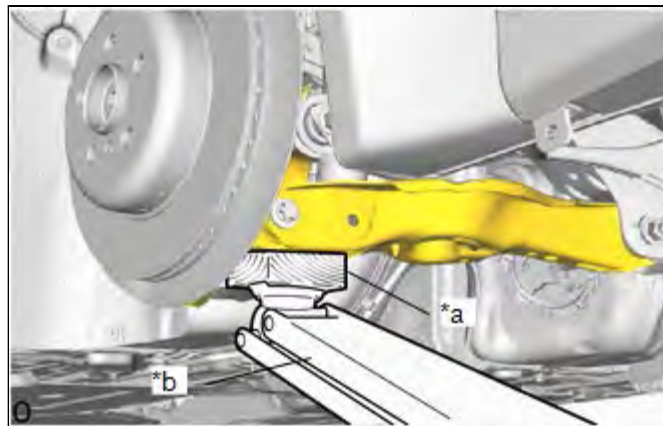
14. REMOVE REAR COIL SPRING RH

HINT:

Use the same procedure as for the LH side.

15. SEPARATE REAR SHOCK ABSORBER ASSEMBLY LH

(a) Support the rear axle carrier sub-assembly LH with the jack and wooden block.

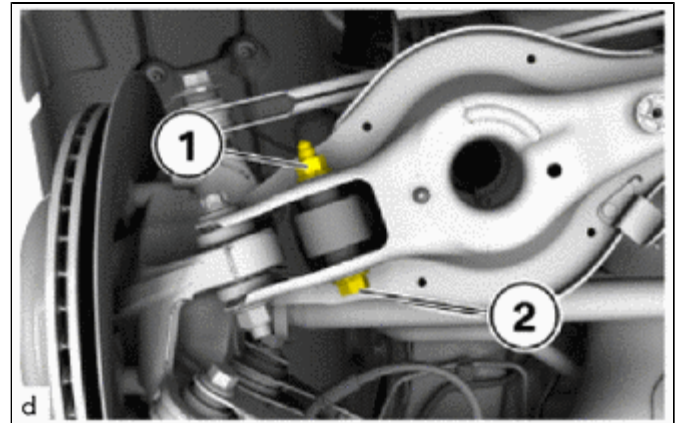


*a	Wooden Block
----	--------------

*b

Jack

(b) Using an 18 mm deep socket wrench, unfasten nut (1).



(c) Lift the rear axle carrier sub-assembly LH with the jack and wooden block to the point where the 18 mm bolt (2) can be removed.

(d) Slowly lower jack until rear axle carrier sub-assembly LH is freely suspended.

(e) Remove the jack and wooden block from under the vehicle.

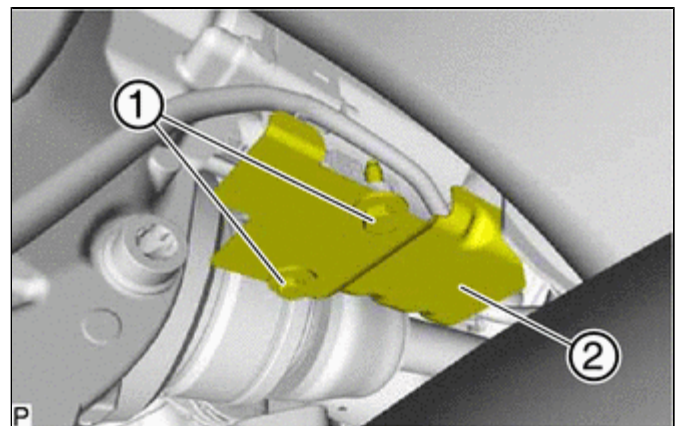
16. SEPARATE REAR SHOCK ABSORBER ASSEMBLY RH

HINT:

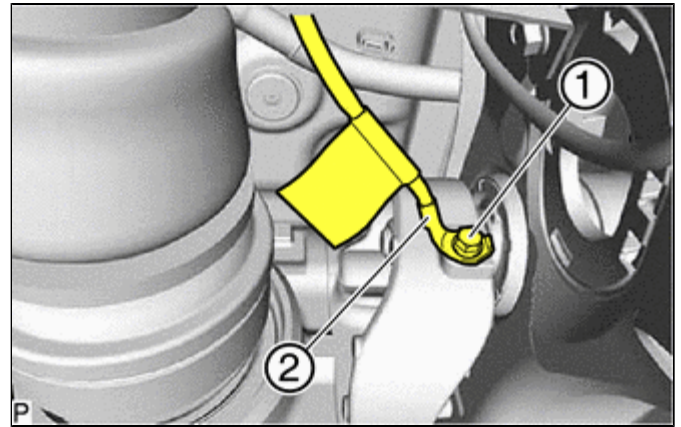
Use the same procedure as for the LH side.

17. REMOVE REAR SUSPENSION MEMBER SUB-ASSEMBLY

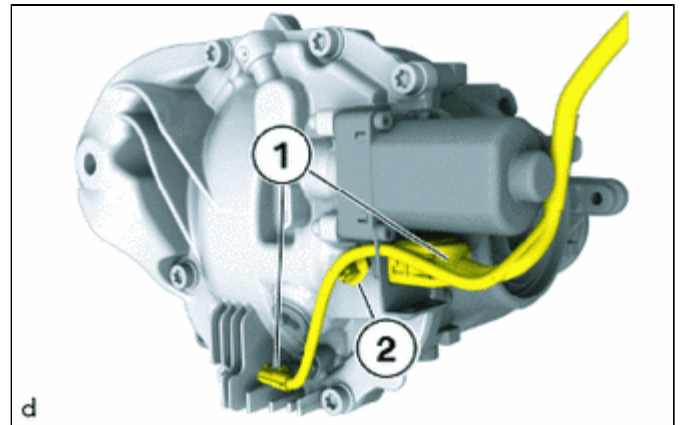
(a) Remove the bolts (1) and rear differential protector (2).



(b) Remove the bolt (1) to disconnect the ground wire (2).



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

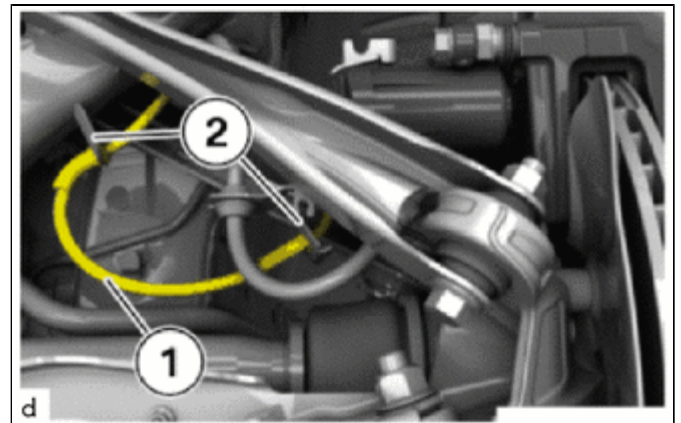


(d) Loosen the cable clip (2).

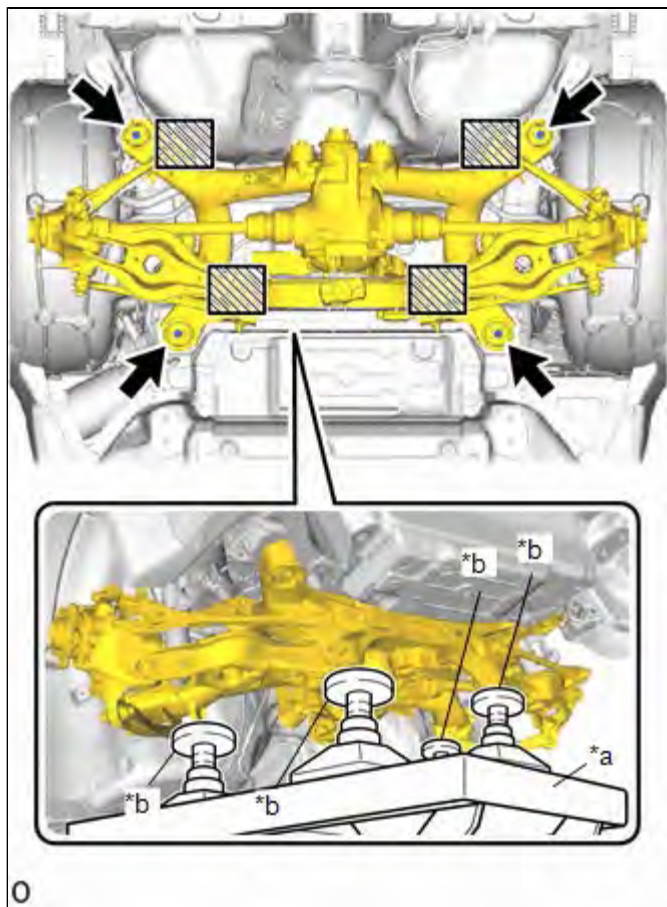
(e) Detach the cable of the parking brake (1) from the holders (2).

HINT:

Perform the operations on the left and right side.



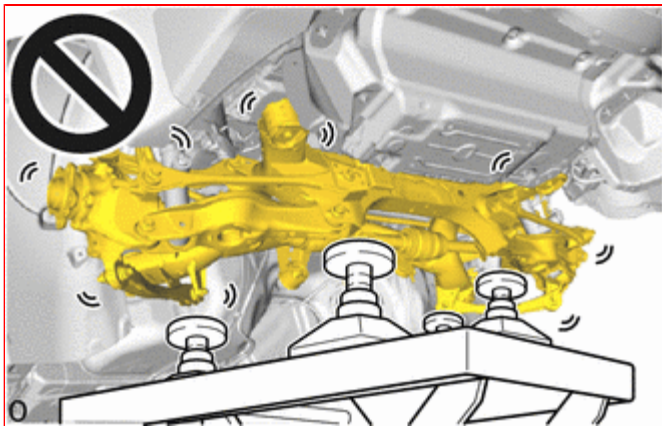
(f) Using an engine lifter and 4 attachments or equivalent tools, support the rear suspension member sub-assembly as shown in the illustration.



*a	Engine Lifter
*b	Attachment
	Attachment and Wooden Block Placement Location

CAUTION:

- The rear suspension member sub-assembly is a very heavy component. Make sure that it is supported securely.

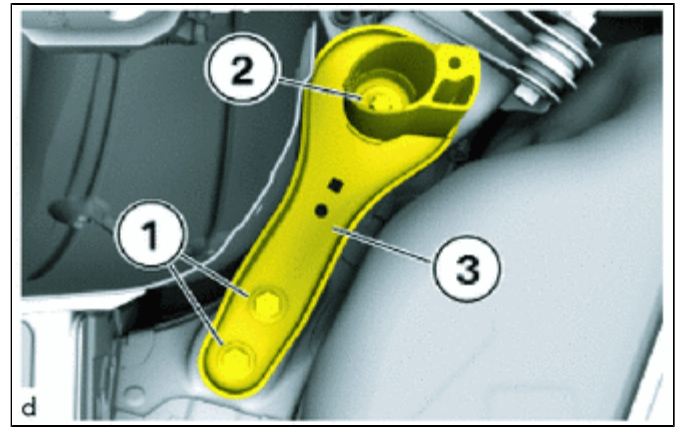


- If the rear suspension member sub-assembly is not securely supported, it may drop, resulting in serious injury.

NOTICE:

Use attachments and wooden blocks to keep the rear suspension member sub-assembly level.

(g) Loosen 16 mm bolts (1).



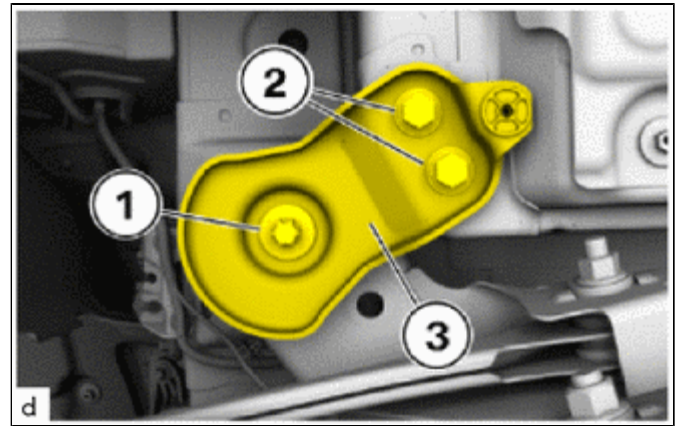
(h) Loosen E18 bolt (2).

(i) Remove rear lower suspension member stopper LH (3).

HINT:

Perform the operations on the left and right side.

(j) Loosen E18 bolt (1).



(k) Loosen 16 mm bolts (2).

(l) Remove rear suspension member rear lower brace LH (3).

HINT:

Perform the operations on the left and right side.

(m) Slowly lower the rear suspension member sub-assembly.

NOTICE:

When lowering the rear suspension member sub-assembly, be careful not to damage the vehicle body or other components installed to the vehicle.

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCM9
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR SUSPENSION MEMBER: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

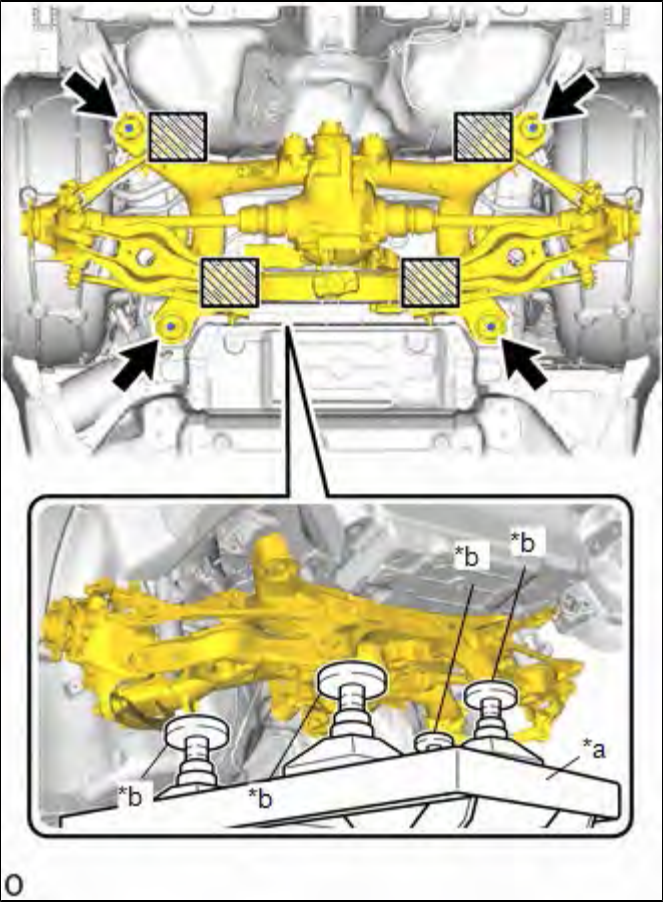
PROCEDURE

1. INSTALL REAR SUSPENSION MEMBER SUB-ASSEMBLY

HINT:

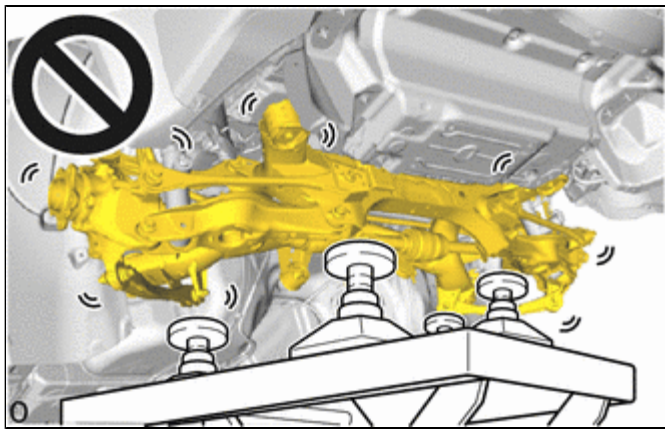
Perform the operations on the left and right side.

- (a) Using an engine lifter and 4 attachments or equivalent tools, support the rear suspension member sub-assembly as shown in the illustration.



*a	Engine Lifter
*b	Attachment
	Attachment and Wooden Block Placement Location

CAUTION:



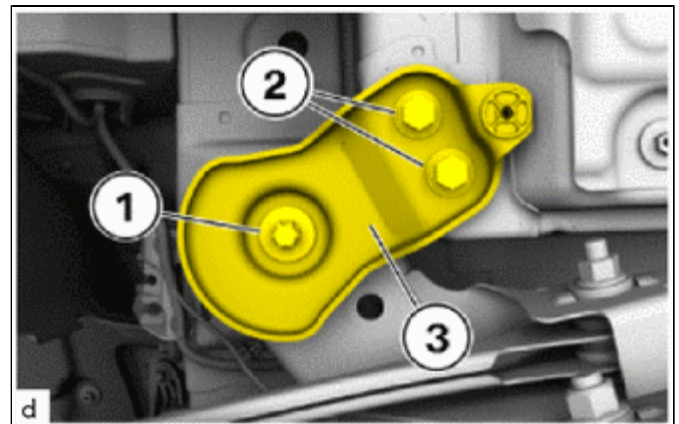
- The rear suspension member sub-assembly is a very heavy component. Make sure that it is supported securely.
- If the rear suspension member sub-assembly is not securely supported, it may drop, resulting in serious injury.

NOTICE:

- Use attachments and wooden blocks to keep the rear suspension member sub-assembly level.
- Keep supporting the rear suspension member sub-assembly until the installation has been completed.

(b) Raise the rear suspension member sub-assembly until there is no clearance between the rear suspension member sub-assembly and vehicle.

(c) Position rear suspension member rear lower brace LH (3).



(d) Replace E18 (1) bolt and 16 mm bolts (2).

(e) Tighten down 16 mm bolts (2).

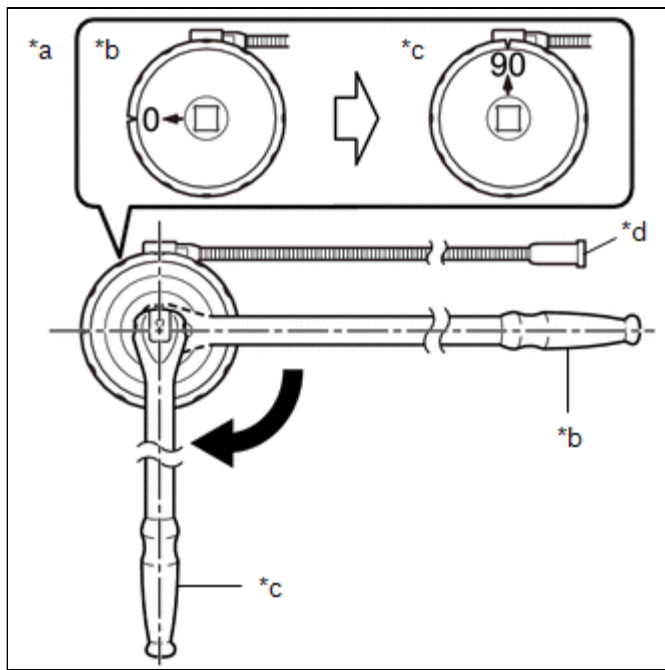
Torque:

47 N·m {479 kgf·cm, 35 ft·lbf}

(f) Using SST, tighten the 16 mm bolt (2) an additional 45°.

SST: 09900-WA010

HINT:



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

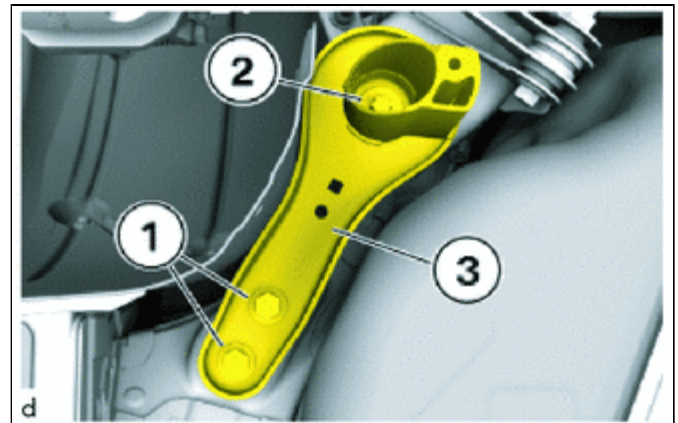
- The magnetic portion is used to secure the gauge to the vehicle.
- After first adjusting the needle of the gauge to 0°, tighten to the specified angle.
- Perform the work procedure carefully so that the gauge, etc. does not become tilted.

(g) Tighten down E18 bolt (1).

Torque:

108 N·m {1101 kgf·cm, 80 ft·lbf}

(h) Position rear lower suspension member stopper LH (3).



(i) Replace 16 mm bolts (1) and E18 bolt (2).

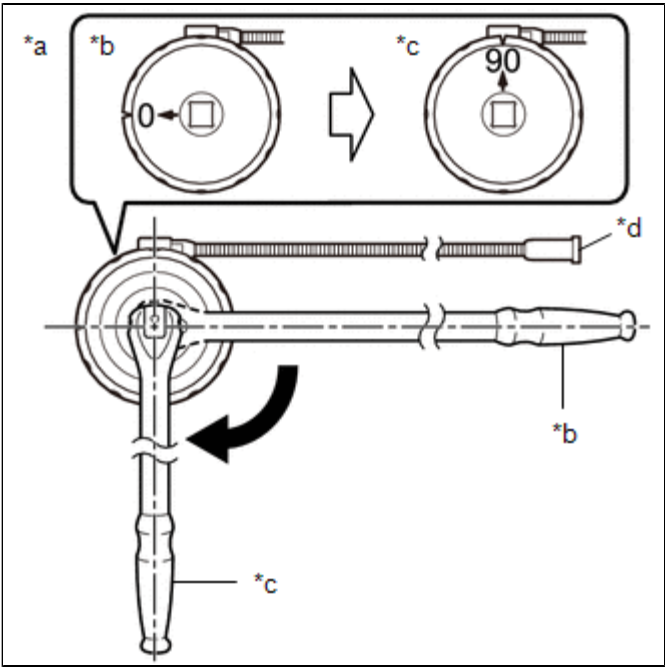
(j) Tighten the 16 mm bolts (1).

Torque:

47 N·m {479 kgf·cm, 35 ft·lbf}

(k) Using SST, tighten the 16 mm bolt (1) an additional 45°.

HINT:



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

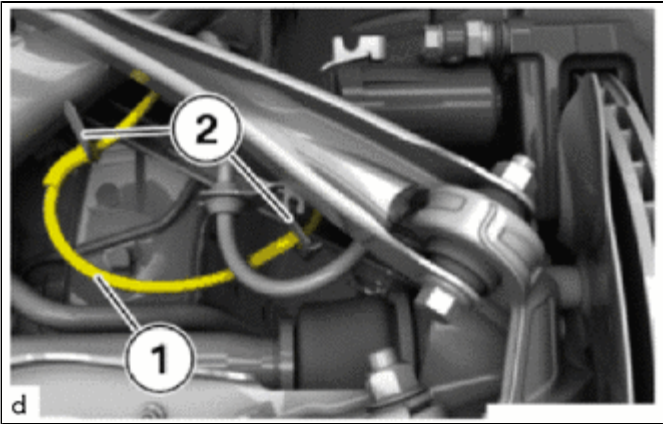
- The magnetic portion is used to secure the gauge to the vehicle.
- After first adjusting the needle of the gauge to 0°, tighten to the specified angle.
- Perform the work procedure carefully so that the gauge, etc. does not become tilted.

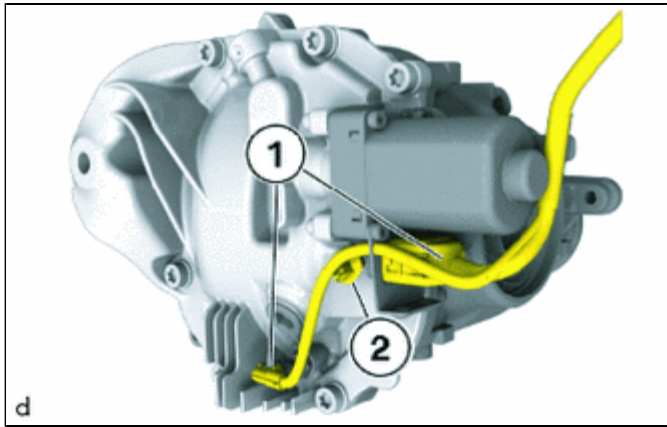
(l) Tighten down E18 bolt (2).

Torque:

108 N·m {1101 kgf·cm, 80 ft·lbf}

(m) Attach the cable of the parking brake (1) in the holders (2).





(n) Connect connectors (1) and lock.

(o) Attach the cable clip (2).

(p) Connect the ground wire with the bolt.

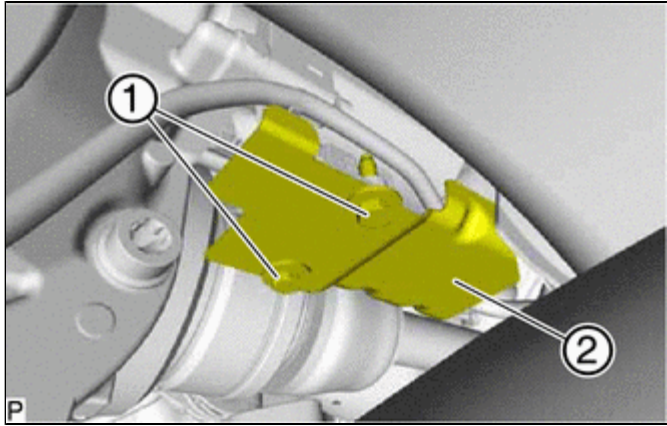
Torque:

8.0 N·m { 82 kgf·cm, 71 in·lbf }

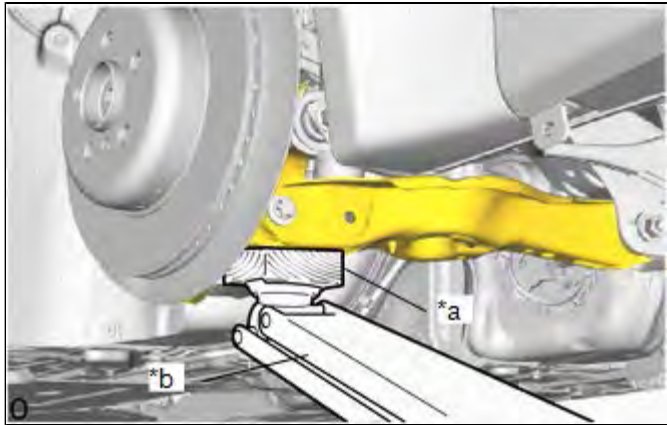
(q) Install the rear differential protector (2) with the bolts (1).

Torque:

4.5 N·m { 46 kgf·cm, 40 in·lbf }



2. INSTALL REAR SHOCK ABSORBER ASSEMBLY LH



(a) Support the rear axle carrier sub-assembly LH with the jack and wooden block.

*a	Wooden Block
*b	Jack

6. INSTALL PROPELLER SHAFT WITH CENTER BEARING ASSEMBLY

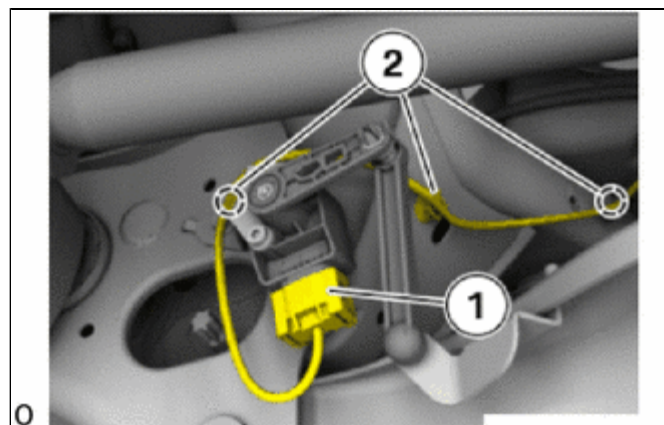
Click here [INFO](#)

7. INSTALL REAR DISC BRAKE PAD

Click here [INFO](#)

8. INSTALL WIRE HARNESS

(a) Connect connector (1) and lock.



(b) Route wire harness of the rear height control sensor sub-assembly through brackets (2).

9. INSTALL REAR FLEXIBLE HOSE LH

(a) Feed rear flexible hose LH into the holder.

NOTICE:

Make sure that the rear flexible hose LH does not rest against the components fixed to the body and that it is not twisted.

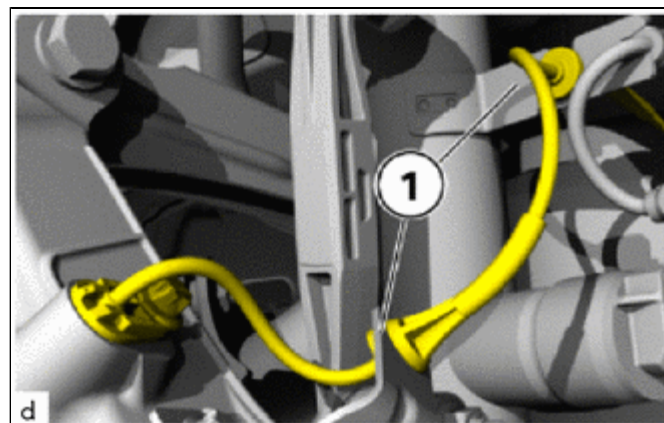
10. INSTALL REAR FLEXIBLE HOSE RH

HINT:

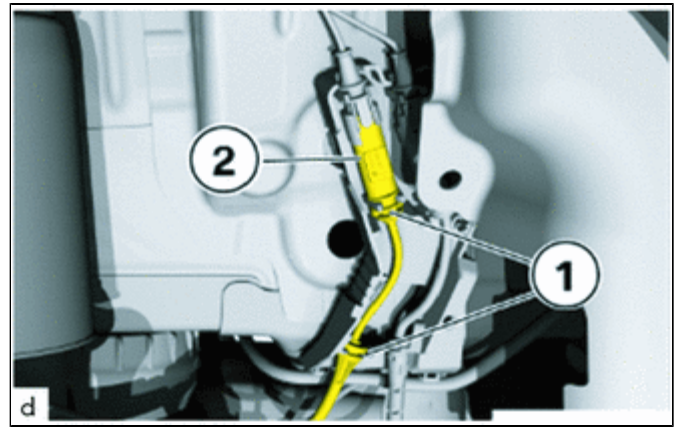
Use the same procedure as for the LH side.

11. INSTALL REAR SKID CONTROL SENSOR WIRE LH

(a) Connect the cable of the rear skid control sensor wire LH in the brackets (1).



(b) Connect the cable of the rear skid control sensor wire LH in the brackets (1).



(c) Connect connector (2) and lock.

12. INSTALL REAR SKID CONTROL SENSOR WIRE RH

HINT:

Use the same procedure as for the LH side.

13. INSTALL REAR WHEEL HOUSE LINER LH

HINT:

Use the same procedure as for the RH side.

14. INSTALL REAR WHEEL HOUSE LINER RH

Click here [INFO](#)

15. INSTALL REAR SUSPENSION ARM COVER LH

Click here [INFO](#)

16. INSTALL REAR SUSPENSION ARM COVER RH

HINT:

Use the same procedure as for the LH side.

17. INSTALL REAR WHEEL

Click here [INFO](#)

18. INSPECT AND ADJUST REAR WHEEL ALIGNMENT

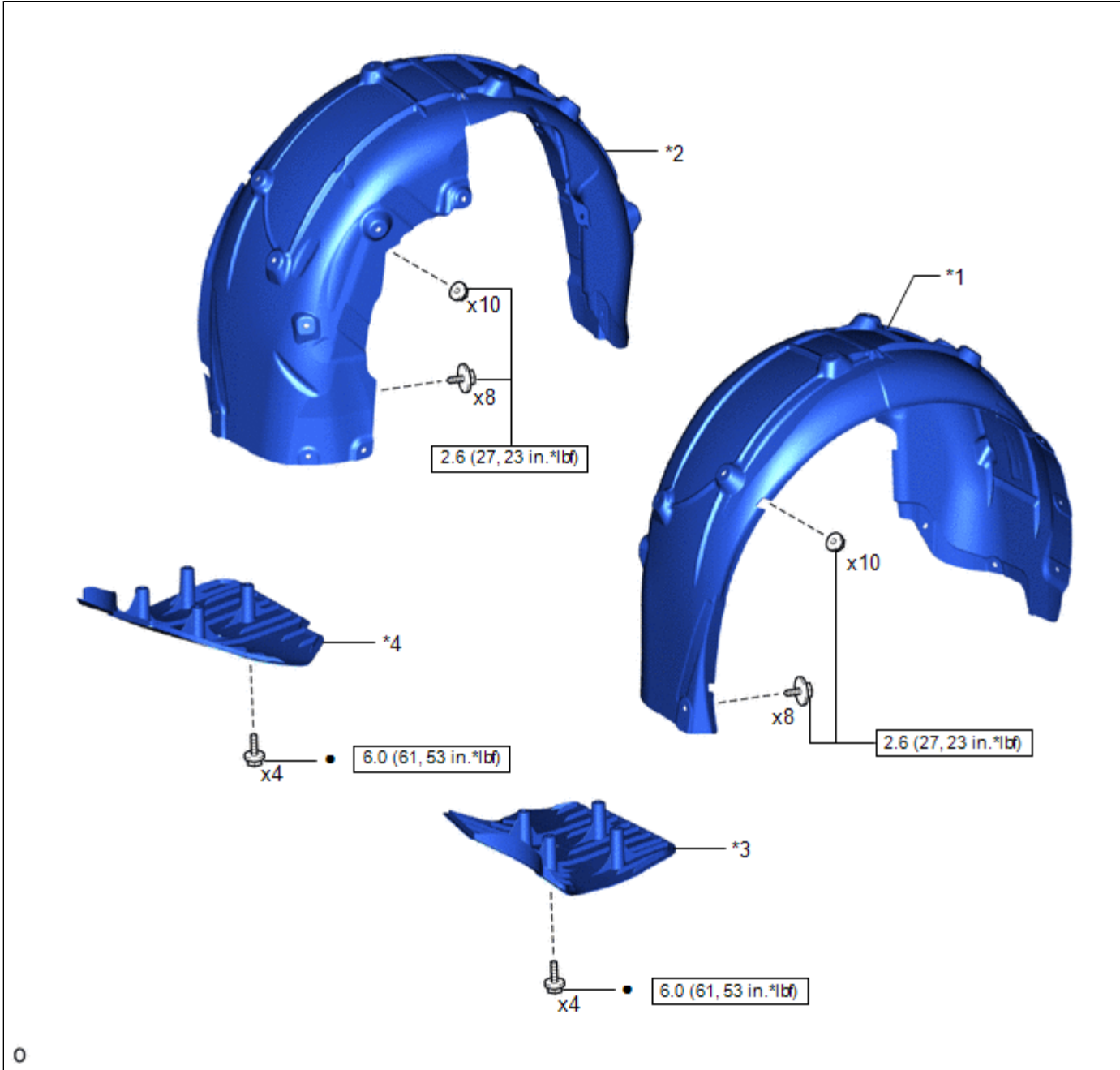
Click here [INFO](#)



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCMD
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR SUSPENSION MEMBER BODY MOUNTING CUSHION: COMPONENTS; 2020 MY Supra [03/2019 -]		

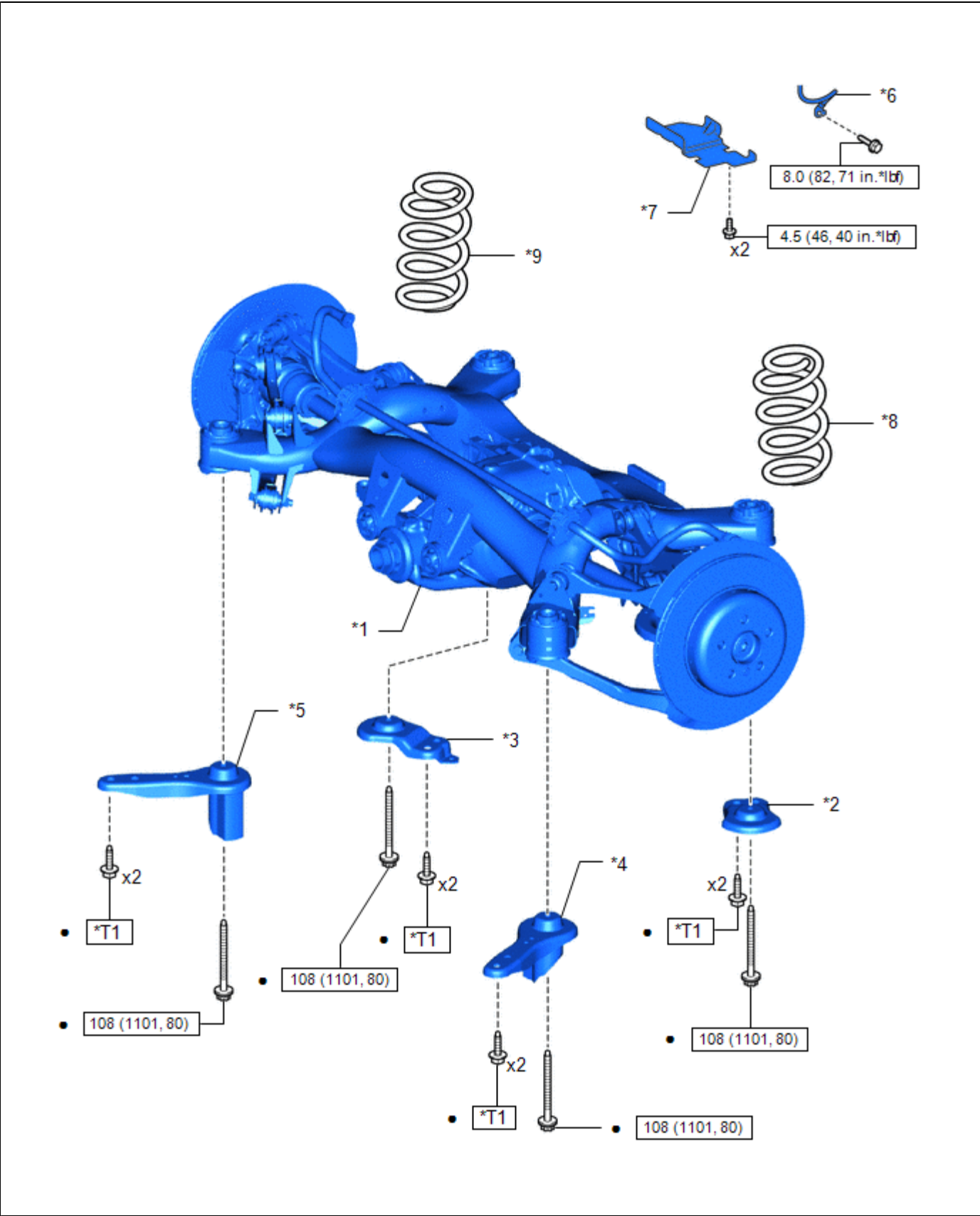
COMPONENTS

ILLUSTRATION



*1	REAR WHEEL HOUSE LINER LH	*2	REAR WHEEL HOUSE LINER RH
*3	REAR SUSPENSION ARM COVER LH	*4	REAR SUSPENSION ARM COVER RH
	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part

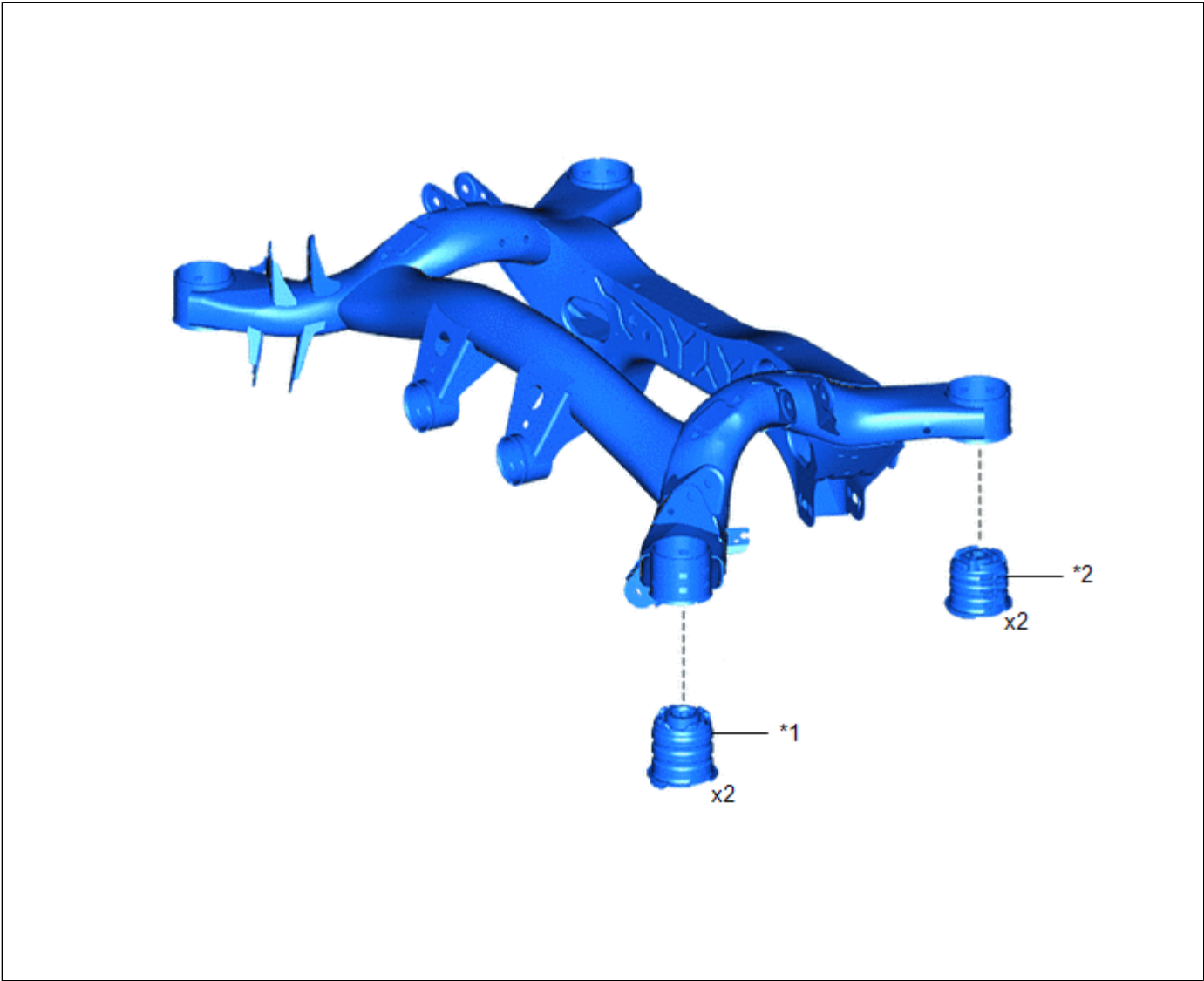
ILLUSTRATION



*1	REAR SUSPENSION MEMBER SUB-ASSEMBLY	*2	REAR SUSPENSION MEMBER REAR LOWER BRACE LH
----	-------------------------------------	----	--

*3	REAR SUSPENSION MEMBER REAR LOWER BRACE RH	*4	REAR LOWER SUSPENSION MEMBER STOPPER LH
*5	REAR LOWER SUSPENSION MEMBER STOPPER RH	*6	GROUND WIRE
*7	REAR DIFFERENTIAL PROTECTOR	*8	REAR COIL SPRING LH
*9	REAR COIL SPRING RH	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part
*T1	1st: 47 (479, 35) 2nd: Turn 45°	-	-

ILLUSTRATION



*1	REAR SUSPENSION MEMBER BODY MOUNTING FRONT CUSHION	*2	REAR SUSPENSION MEMBER CUSHION
----	--	----	--------------------------------

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCME
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR SUSPENSION MEMBER BODY MOUNTING CUSHION: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Motor vehicle may slip off the vehicle hoist where components are supported.

Danger! Life-threatening injuries!

- Secure the vehicle hoist against lowering and lifting.

- Motor vehicle may slip off the vehicle hoist if the weight is distributed unevenly.

Danger! Life-threatening injuries!

- Ensure there is a specific weight compensation on the motor vehicle.

- Vehicle may slip off the vehicle hoist if the vehicle hoist is handled incorrectly.

Danger! Life-threatening injuries!

- Observe safety information on raising the vehicle using a vehicle hoist.
- For additional information see:

Click here [INFO](#)

PROCEDURE

1. REMOVE REAR WHEEL

Click here [INFO](#)

2. REMOVE REAR WHEEL HOUSE LINER LH

HINT:

Use the same procedure as for the RH side.

3. REMOVE REAR WHEEL HOUSE LINER RH

Click here [INFO](#)

4. REMOVE REAR SUSPENSION ARM COVER LH

Click here [INFO](#)

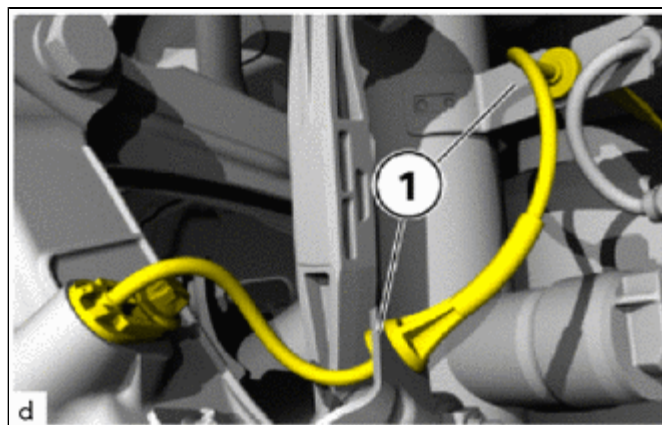
5. REMOVE REAR SUSPENSION ARM COVER RH

HINT:

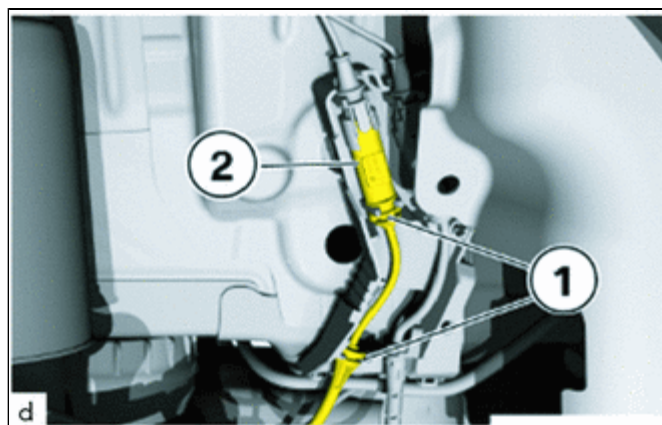
Use the same procedure as for the LH side.

6. SEPARATE REAR SKID CONTROL SENSOR WIRE LH

- (a) Detach the rear skid control sensor wire LH from the brackets (1).



- (b) Detach the rear skid control sensor wire LH from the brackets (1).



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

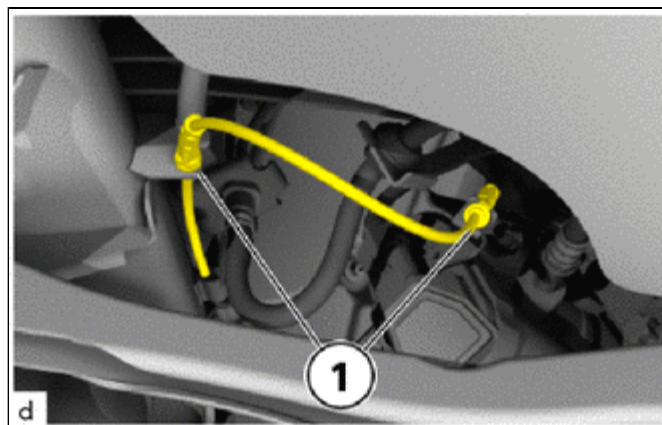
7. SEPARATE REAR SKID CONTROL SENSOR WIRE RH

HINT:

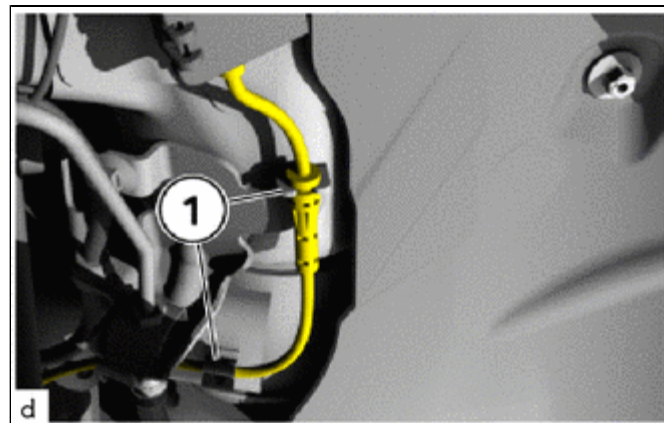
Use the same procedure as for the LH side.

8. SEPARATE PAD WEAR INDICATOR WIRE ASSEMBLY (for RH Side)

- (a) Detach the cable of the pad wear indicator wire assembly from the holders (1).

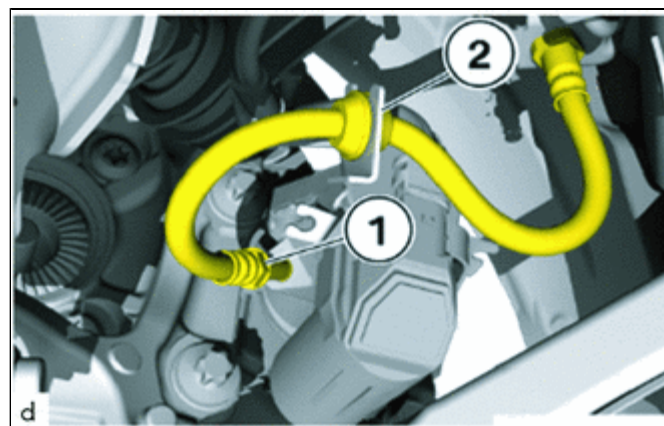


- (b) Detach the cable of the pad wear indicator wire assembly from the holders (1).



9. SEPARATE REAR FLEXIBLE HOSE LH

- (a) Feed out rear flexible hose LH (1) from the holder (2).



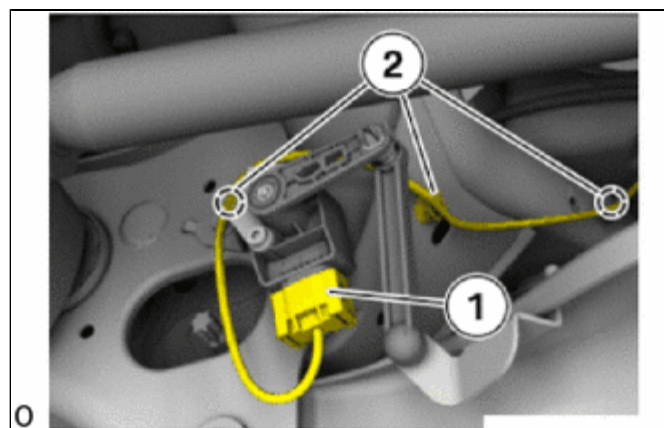
10. SEPARATE REAR FLEXIBLE HOSE RH

HINT:

Use the same procedure as for the LH side.

11. SEPARATE WIRE HARNESS

- (a) Unlock plug connection (1) and disconnect.



(b) Detach wire harness of the rear height control sensor sub-assembly from the brackets (2) and lay to one side.

12. REMOVE PROPELLER SHAFT WITH CENTER BEARING ASSEMBLY

Click here [INFO](#)

13. REMOVE REAR COIL SPRING LH

Click here [INFO](#)

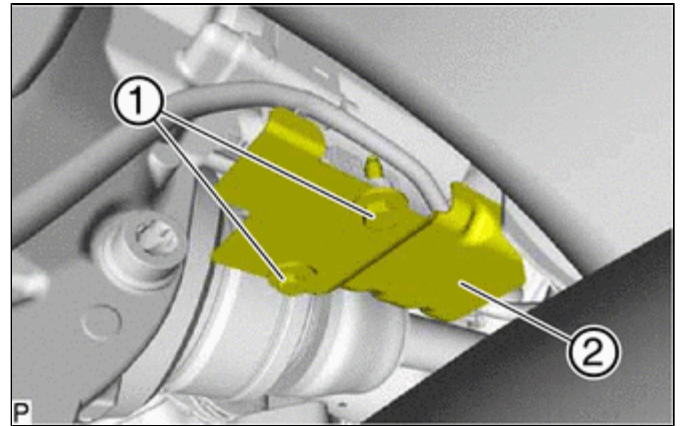
14. REMOVE REAR COIL SPRING RH

HINT:

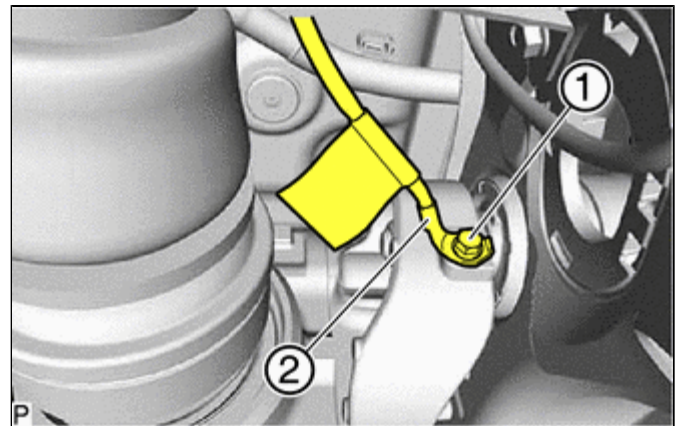
Use the same procedure as for the LH side.

15. SEPARATE REAR SUSPENSION MEMBER SUB-ASSEMBLY

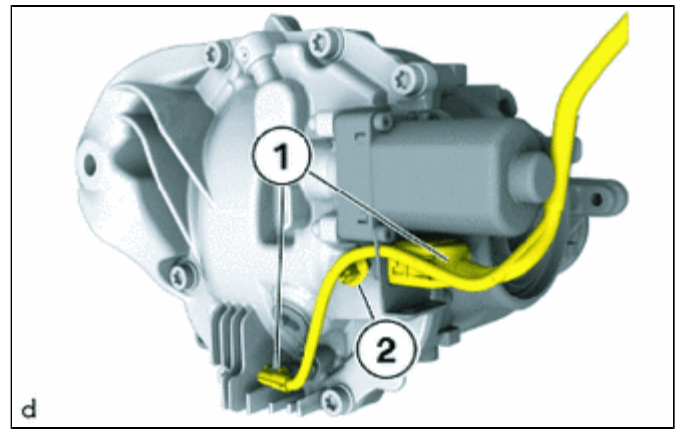
(a) Remove the bolts (1) and rear differential protector (2).



(b) Remove the bolt (1) to disconnect the ground wire (2).



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

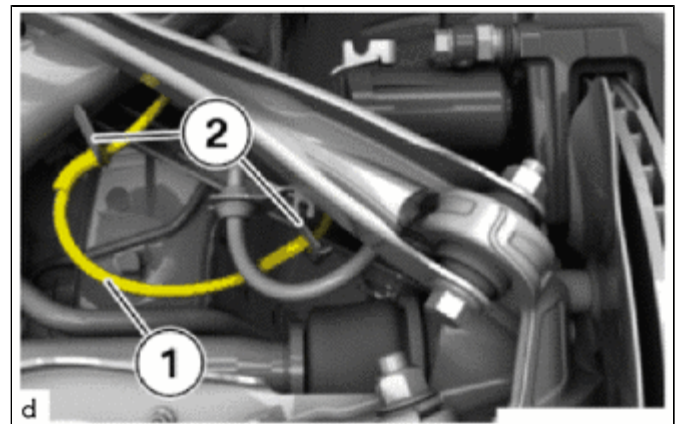


(d) Loosen the cable clip (2).

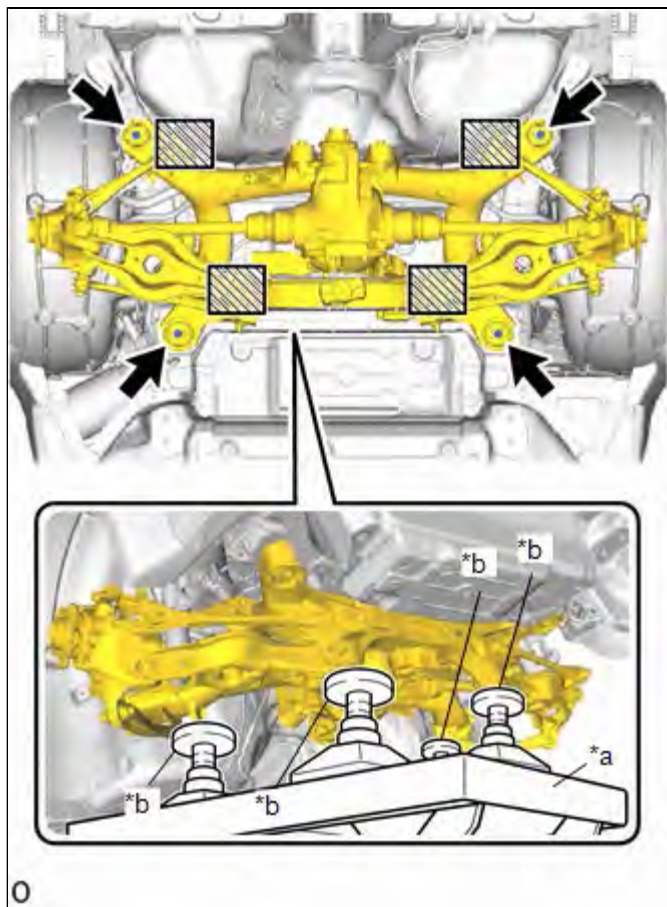
(e) Detach the cable of the parking brake (1) from the holders (2).

HINT:

Perform the operations on the left and right side.



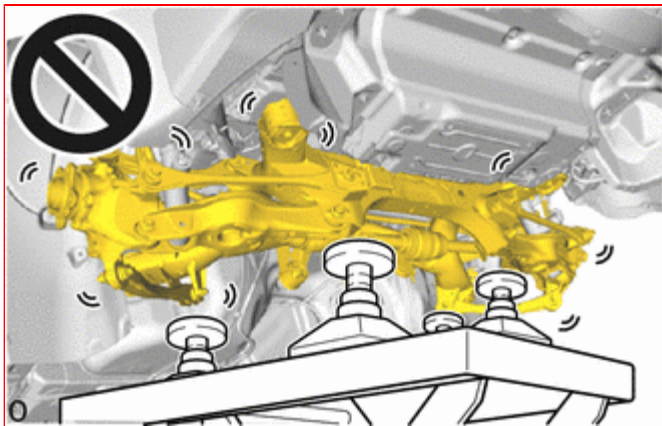
(f) Using an engine lifter and 4 attachments or equivalent tools, support the rear suspension member sub-assembly as shown in the illustration.



*a	Engine Lifter
*b	Attachment
	Attachment and Wooden Block Placement Location

CAUTION:

- The rear suspension member sub-assembly is a very heavy component. Make sure that it is supported securely.

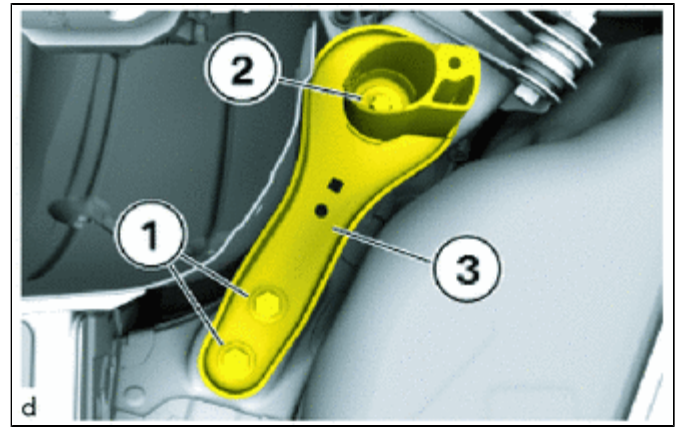


- If the rear suspension member sub-assembly is not securely supported, it may drop, resulting in serious injury.

NOTICE:

Use attachments and wooden blocks to keep the rear suspension member sub-assembly level.

(g) Loosen 16 mm bolts (1).



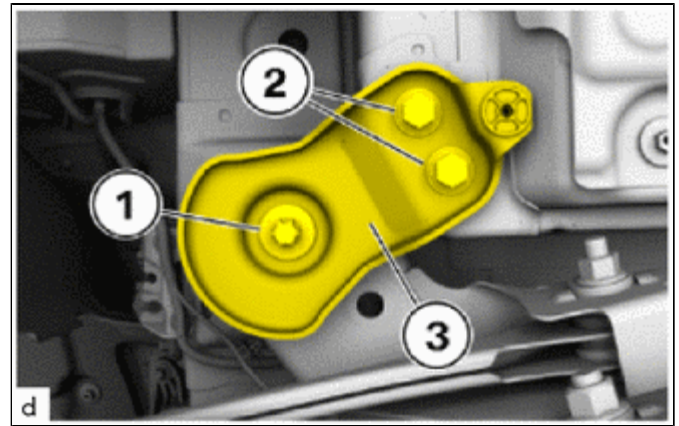
(h) Loosen E18 bolt (2).

(i) Remove rear lower suspension member stopper LH (3).

HINT:

Perform the operations on the left and right side.

(j) Loosen E18 bolt (1).



(k) Loosen 16 mm bolts (2).

(l) Remove rear suspension member rear lower brace LH (3).

HINT:

Perform the operations on the left and right side.

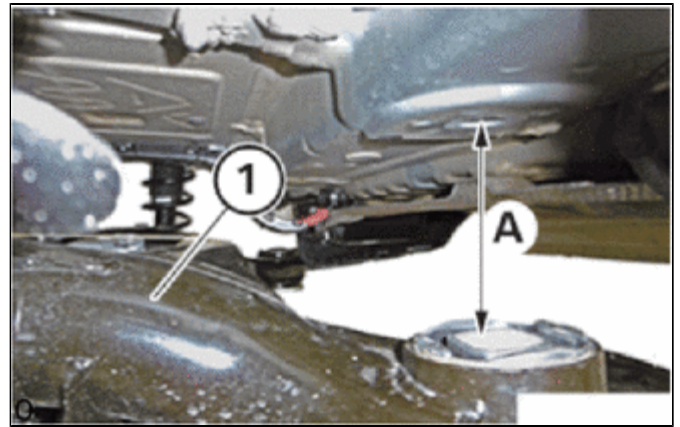
(m) Lower the rear suspension member sub-assembly (1) by the distance (A).

Distance (A):

Max. 100 mm (3.94 in.)

HINT:

Distance (A) between rear suspension member sub-assembly and body after lowering.

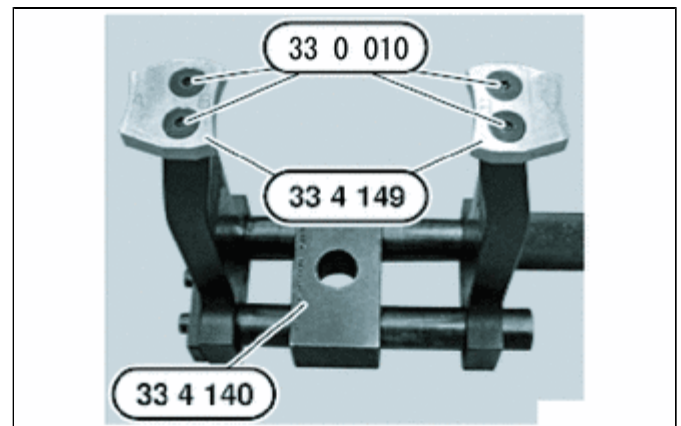


16. REMOVE REAR SUSPENSION MEMBER CUSHION

- (a) Assemble special tool 0 492 397 (33 4 140) in conjunction with 0 496 403 (33 0 012) and 0 492 406 (33 4 149).

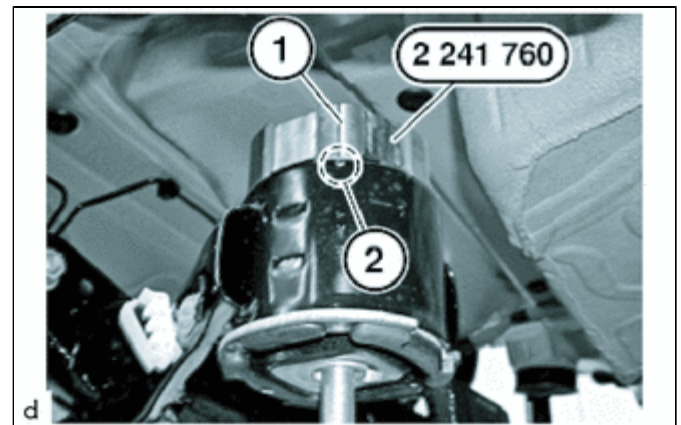
SST: 09500-WA100

SST: 09500-WA270



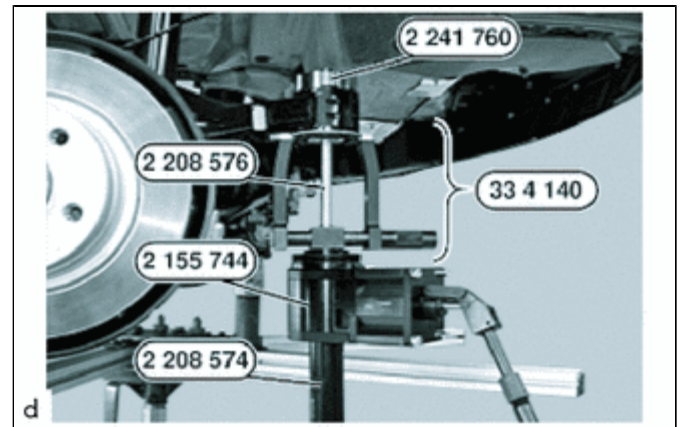
- (b) Align the notch (1) on the special tool 2 241 760 with the notch (2) on the rear suspension member sub-assembly.

SST: 09500-WA120



- (c) Pull the rear suspension member cushion with the special tools 2 241 760, 0 492 397 (33 4 140), 2 208 576, 2 155 744 and 2 208 574 out of the rear suspension member sub-assembly.

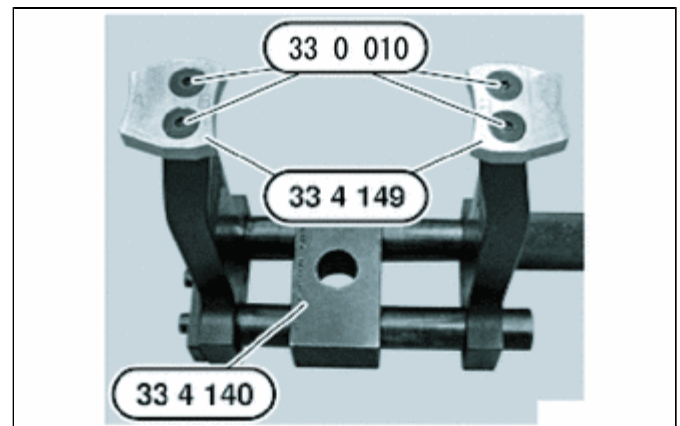
SST: 09500-WA100
SST: 09500-WA120
SST: 09500-WA220
SST: 09500-WA270
SST: 09600-WA020



17. REMOVE REAR SUSPENSION MEMBER BODY MOUNTING FRONT CUSHION

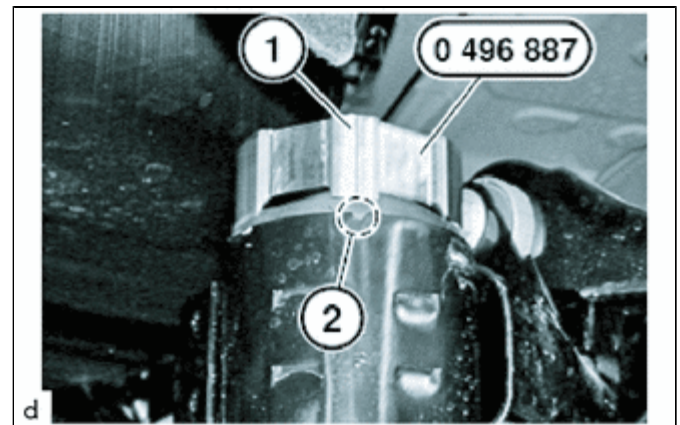
- (a) Assemble special tool 0 492 397 (33 4 140) in conjunction with 0 496 403 (33 0 012) and 0 492 406 (33 4 149).

SST: 09500-WA100
SST: 09500-WA270



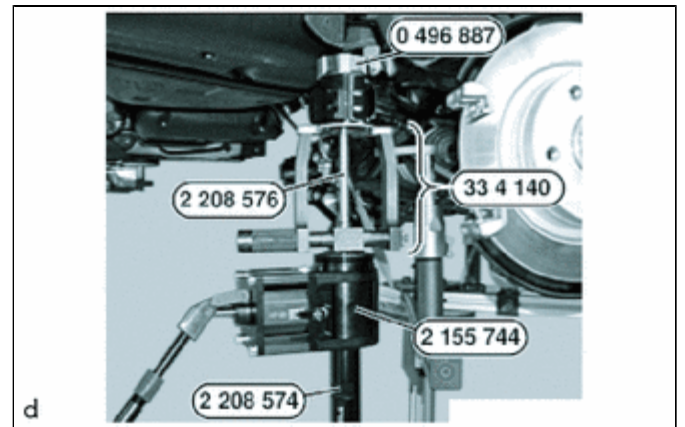
- (b) Align the notch (1) on the special tool 0 496 887 with the notch (2) on the rear suspension member sub-assembly.

SST: 09500-WA110



- (c) Pull the rear suspension member body mounting front cushion with the special tools 0 496 887, 0 492 397 (33 4 140), 2 208 576, 2 155 744 and 2 208 574 out of the rear suspension member sub-assembly.

SST: 09500-WA100
SST: 09500-WA110
SST: 09500-WA220
SST: 09500-WA270
SST: 09600-WA020



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCMF
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR SUSPENSION MEMBER BODY MOUNTING CUSHION: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

CAUTION / NOTICE / HINT

NOTICE:

- Damage to the rear suspension member sub-assembly.

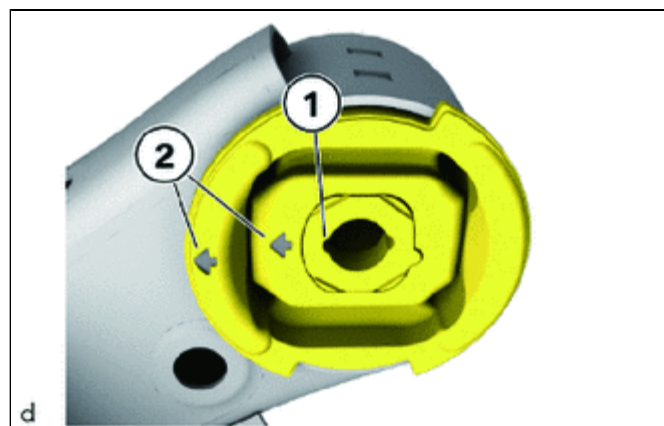
Non-observance of the pull-out and pull-in direction of the rear suspension member body mounting cushion will damage the rear suspension member sub-assembly.

- Adherence to the pull-out and pull-in direction is absolutely mandatory.

PROCEDURE

1. INSTALL REAR SUSPENSION MEMBER CUSHION

- (a) Make sure that the notch (1) and the arrows (2) of the rear suspension member cushion point in the direction of travel.



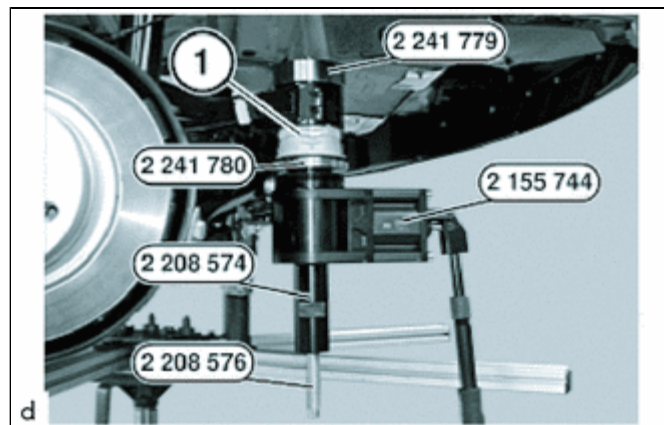
- (b) Insert the rear suspension member cushion (1) up to the limit position with the special tools 2 241 779, 2 155 744, 2 241 780, 2 208 574 and 2 208 576 .

SST: 09500-WA130

SST: 09500-WA140

SST: 09500-WA220

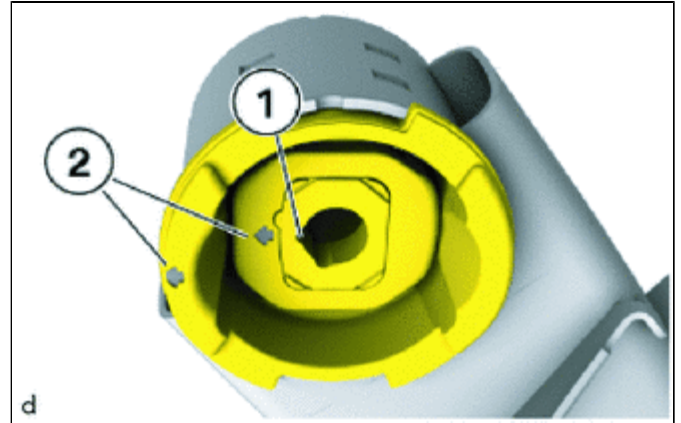
SST: 09600-WA020



- (c) Remove special tools for inserting rear suspension member cushion (1).

2. INSTALL REAR SUSPENSION MEMBER BODY MOUNTING FRONT CUSHION

- (a) Make sure that the notch (1) and the arrows (2) of the rear suspension member body mounting front cushion point in the direction of travel.

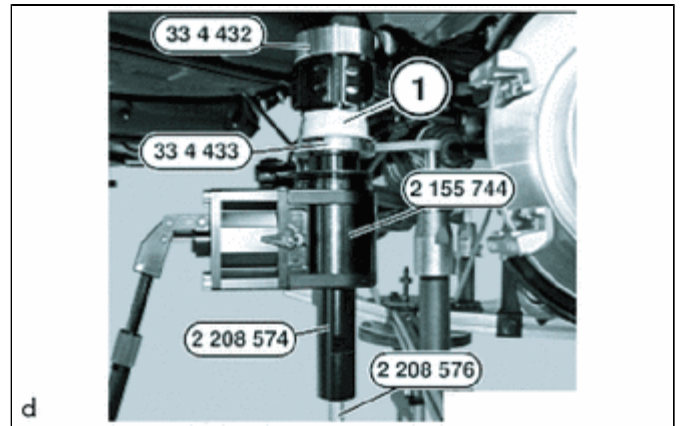


- (b) Insert the rear suspension member body mounting front cushion (1) up to limit position with the special tools 0 494 971 (33 4 432), 0 494 972 (33 4 433), 2 155 744, 2 208 574 and 2 208 576.

SST: 09500-WA220

SST: 09500-WA250

SST: 09600-WA020



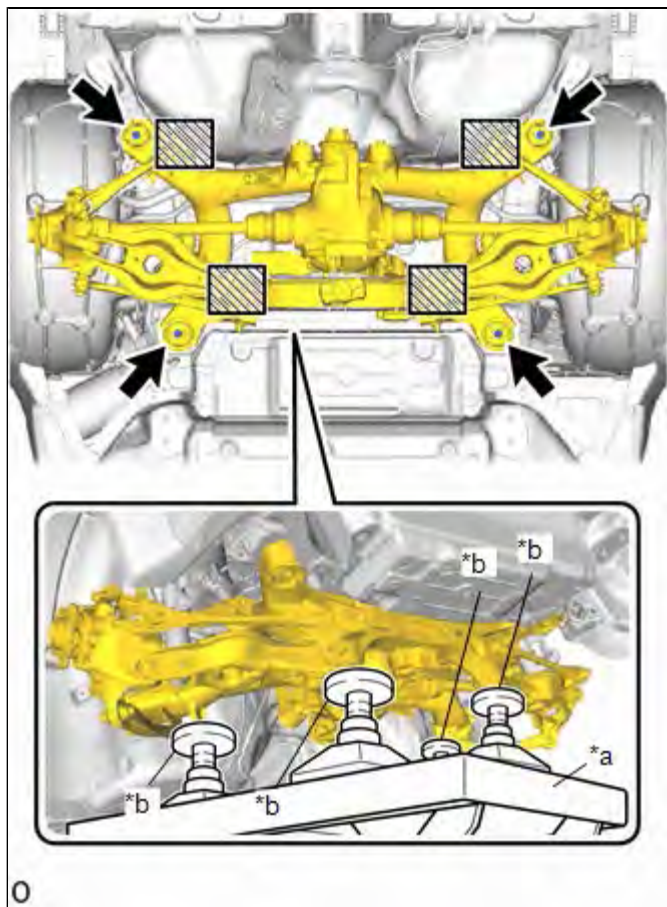
- (c) Remove special tools for inserting rear suspension member body mounting front cushion (1).

3. INSTALL REAR SUSPENSION MEMBER SUB-ASSEMBLY

HINT:

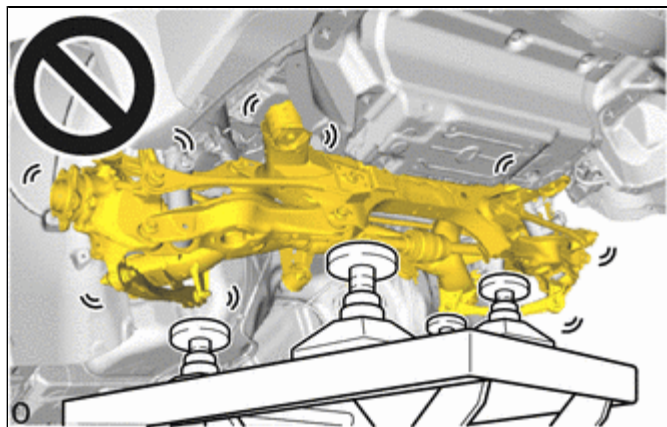
Perform the operations on the left and right side.

- (a) Using an engine lifter and 4 attachments or equivalent tools, support the rear suspension member sub-assembly as shown in the illustration.



*a	Engine Lifter
*b	Attachment
	Attachment and Wooden Block Placement Location

CAUTION:



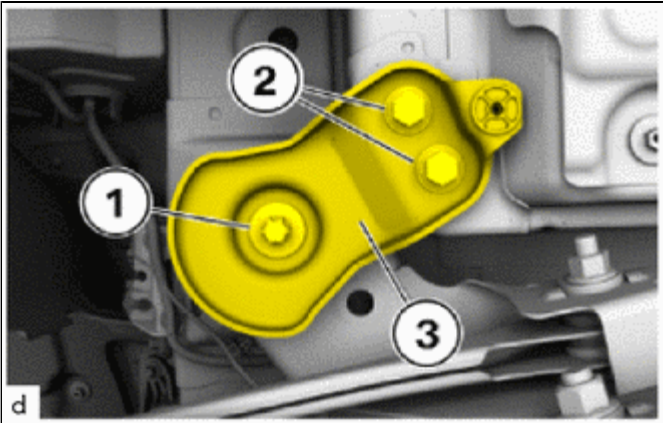
- The rear suspension member sub-assembly is a very heavy component. Make sure that it is supported securely.
- If the rear suspension member sub-assembly is not securely supported, it may drop, resulting in serious injury.

NOTICE:

- Use attachments and wooden blocks to keep the rear suspension member sub-assembly level.
- Keep supporting the rear suspension member sub-assembly until the installation has been completed.

(b) Raise the rear suspension member sub-assembly until there is no clearance between the rear suspension member

sub-assembly and vehicle.



(c) Position rear suspension member rear lower brace LH (3).

(d) Replace E18 (1) bolt and 16 mm bolts (2).

(e) Tighten down 16 mm bolts (2).

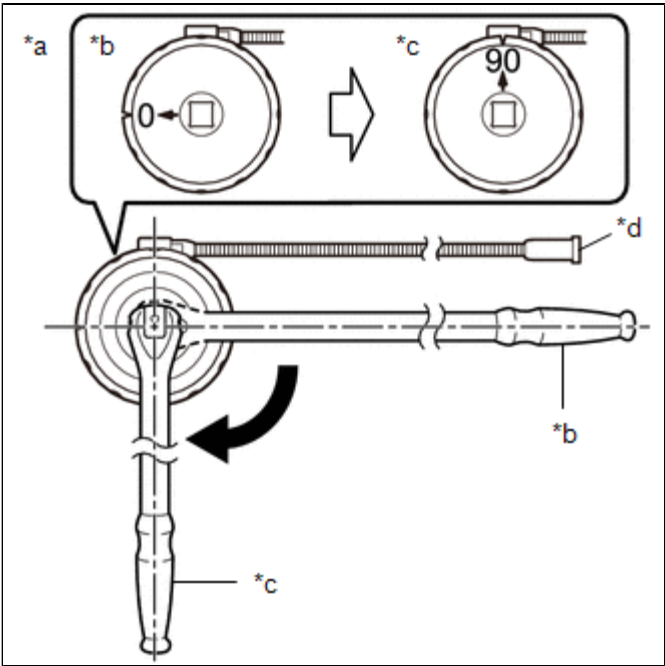
Torque:

47 N·m {479 kgf·cm, 35 ft·lbf}

(f) Using SST, tighten the 16 mm bolt (2) an additional 45°.

SST: 09900-WA010

HINT:



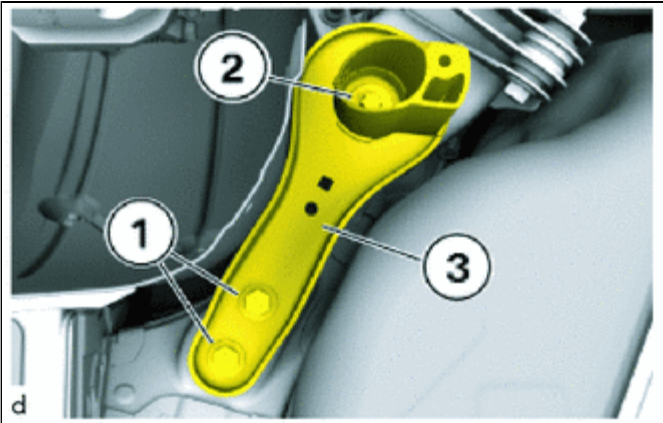
*a	Example
*b	Before Tightening
*c	After Tightening
*d	Magnetic Portion

- 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.

(g) Tighten down E18 bolt (1).

Torque:

108 N·m {1101 kgf·cm, 80 ft·lbf}



(h) Position rear lower suspension member stopper LH (3).

(i) Replace 16 mm bolts (1) and E18 bolt (2).

(j) Tighten the 16 mm bolts (1).

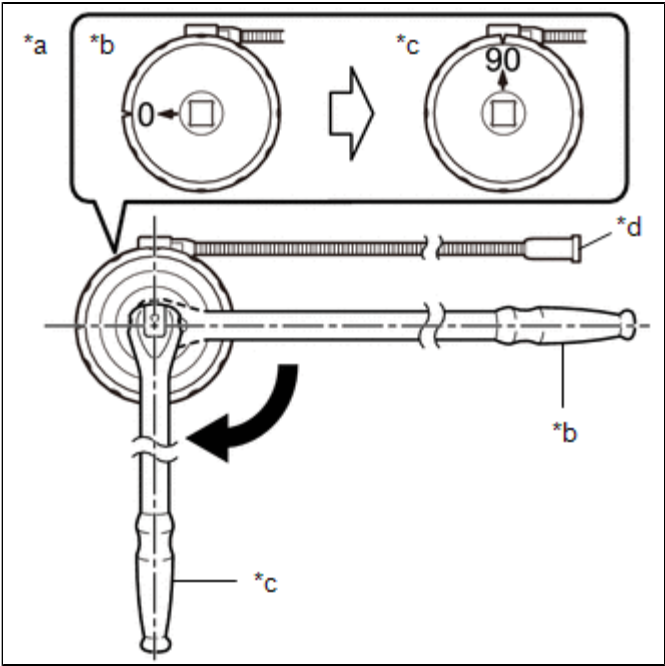
Torque:

47 N·m {479 kgf·cm, 35 ft·lbf}

(k) Using SST, tighten the 16 mm bolt (1) an additional 45°.

SST: 09900-WA010

HINT:



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

- The magnetic portion is used to secure the gauge to the vehicle.

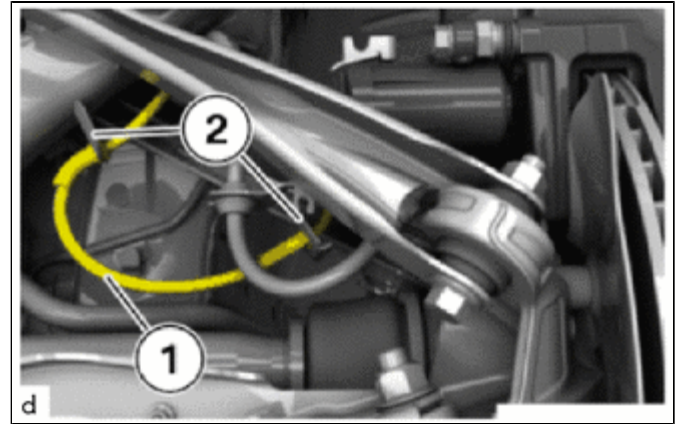
- After first adjusting the needle of the gauge to 0°, tighten to the specified angle.
- Perform the work procedure carefully so that the gauge, etc. does not become tilted.

(l) Tighten down E18 bolt (2).

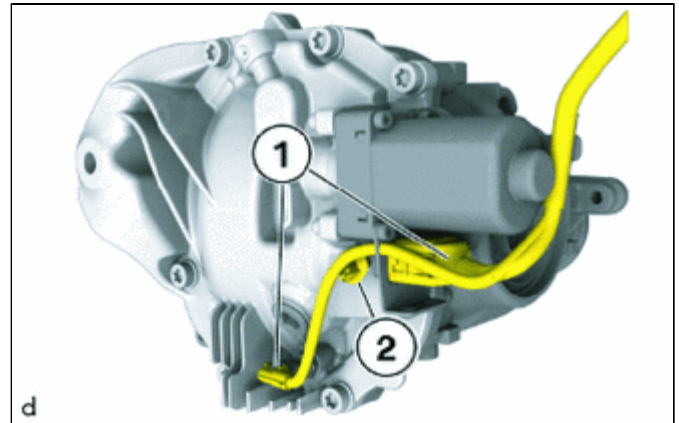
Torque:

108 N·m {1101 kgf·cm, 80 ft·lbf}

(m) Attach the cable of the parking brake (1) in the holders (2).



(n) Connect connectors (1) and lock.



(o) Attach the cable clip (2).

(p) Connect the ground wire with the bolt.

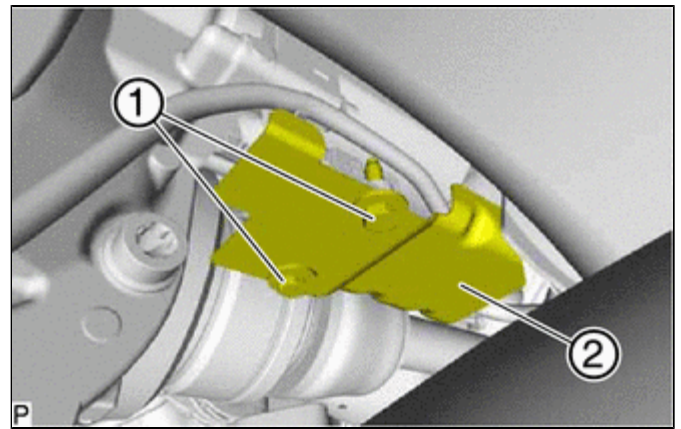
Torque:

8.0 N·m {82 kgf·cm, 71 in·lbf}

(q) Install the rear differential protector (2) with the bolts (1).

Torque:

4.5 N·m {46 kgf·cm, 40 in·lbf}



4. INSTALL REAR COIL SPRING LH

Click here [INFO](#)

5. INSTALL REAR COIL SPRING RH

HINT:

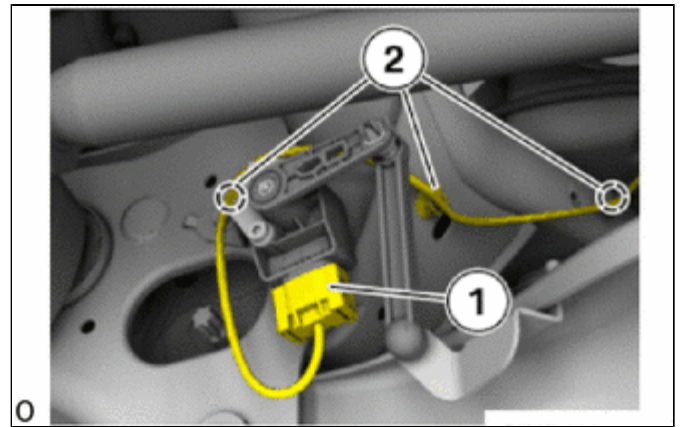
Use the same procedure as for the LH side.

6. INSTALL PROPELLER SHAFT WITH CENTER BEARING ASSEMBLY

Click here [INFO](#)

7. INSTALL WIRE HARNESS

(a) Connect connector (1) and lock.



(b) Route wire harness of the rear height control sensor sub-assembly through brackets (2).

8. INSTALL REAR FLEXIBLE HOSE LH

(a) Feed rear flexible hose LH into the holder.

NOTICE:

Make sure that the rear flexible hose LH does not rest against the components fixed to the body and that it is not twisted.

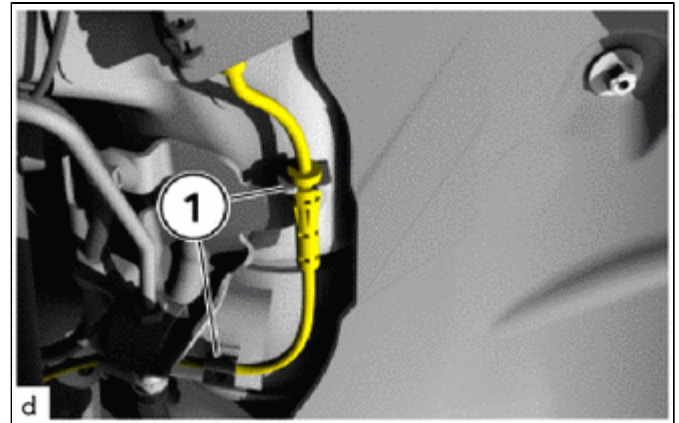
9. INSTALL REAR FLEXIBLE HOSE RH

HINT:

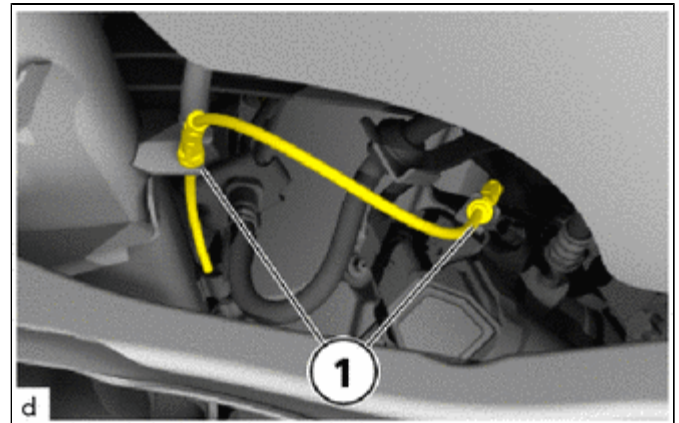
Use the same procedure as for the LH side.

10. INSTALL PAD WEAR INDICATOR WIRE ASSEMBLY (for RH Side)

- (a) Attach cable of pad wear indicator wire assembly in the holders (1).

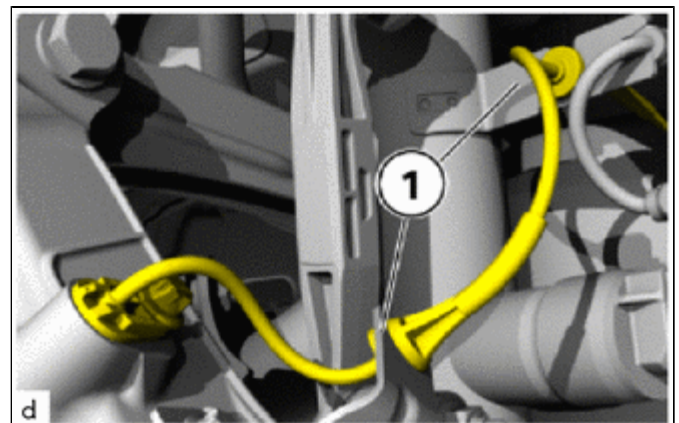


- (b) Attach cable of pad wear indicator wire assembly in the holders (1).

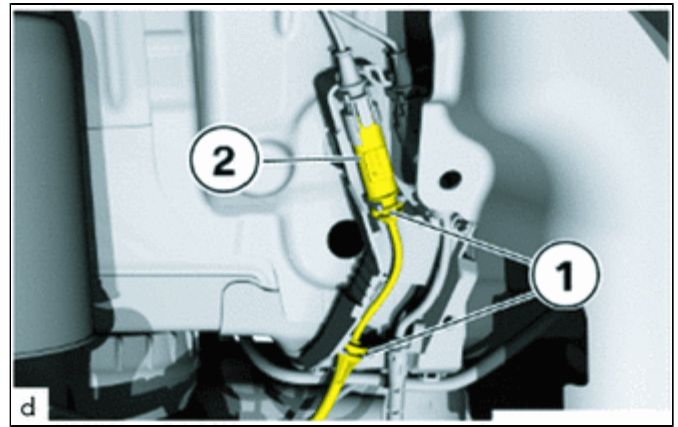


11. INSTALL REAR SKID CONTROL SENSOR WIRE LH

- (a) Connect the cable of the rear skid control sensor wire LH in the brackets (1).



(b) Connect the cable of the rear skid control sensor wire LH in the brackets (1).



(c) Connect connector (2) and lock.

12. INSTALL REAR SKID CONTROL SENSOR WIRE RH

HINT:

Use the same procedure as for the LH side.

13. INSTALL REAR WHEEL HOUSE LINER LH

HINT:

Use the same procedure as for the RH side.

14. INSTALL REAR WHEEL HOUSE LINER RH

Click here [INFO](#)

15. INSTALL REAR SUSPENSION ARM COVER LH

Click here [INFO](#)

16. INSTALL REAR SUSPENSION ARM COVER RH

HINT:

Use the same procedure as for the LH side.

17. INSTALL REAR WHEEL

Click here [INFO](#)

18. INSPECT AND ADJUST REAR WHEEL ALIGNMENT

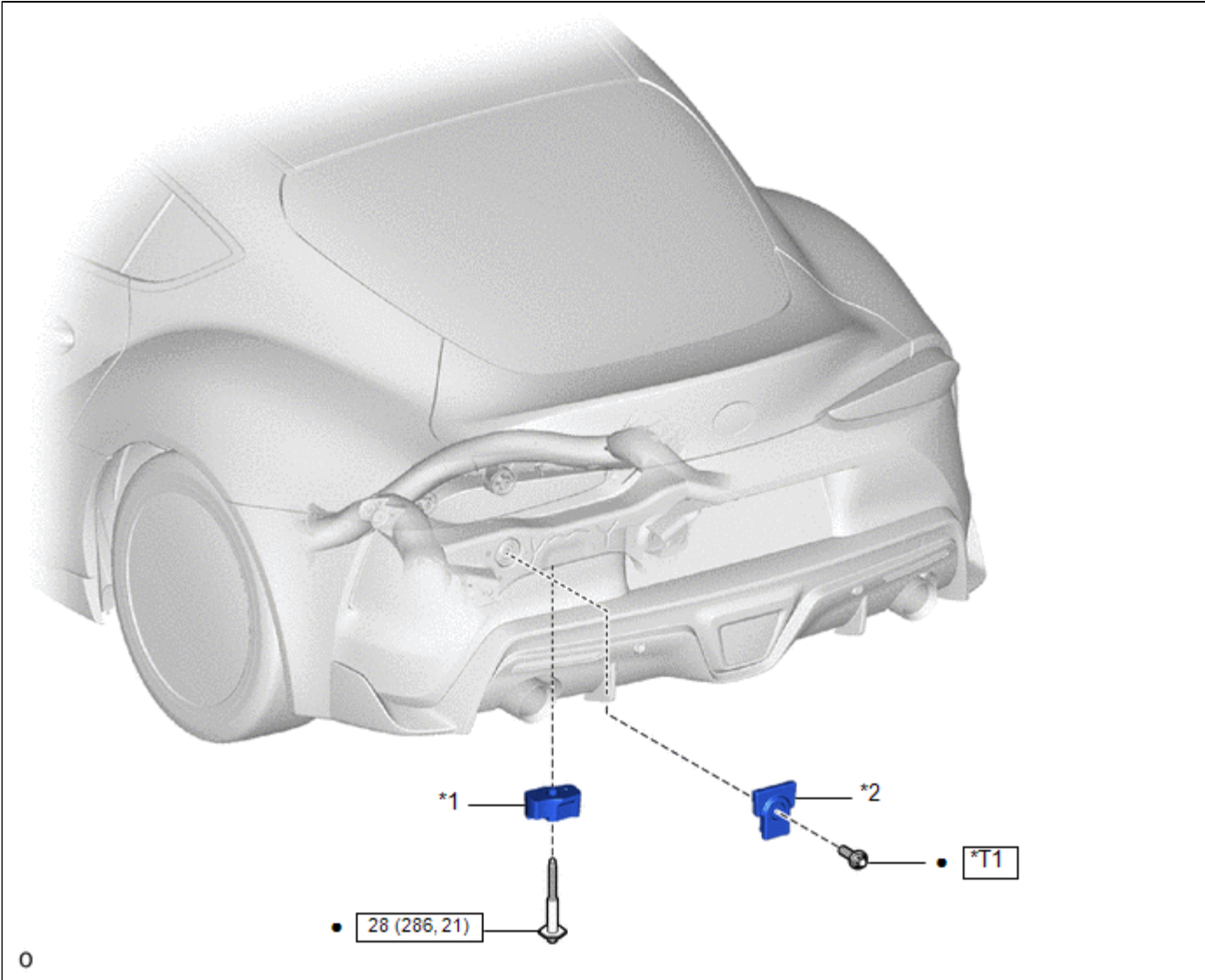
Click here [INFO](#)



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCMA
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR SUSPENSION MEMBER DAMPER: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	REAR SUSPENSION MEMBER DAMPER	*2	VIBRATION ABSORBER
	N*m (kgf*cm, ft.*lbf): Specified torque	●	Non-reusable part
*T1	1st (For use without a union nut wrench and SST): 56 (571, 41) 1st (For use with a union nut wrench and SST): 28 (286, 21) 2nd: Turn 90°	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCMB
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR SUSPENSION MEMBER DAMPER: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Vehicle may slip off the vehicle hoist if the vehicle hoist is handled incorrectly.

Danger! Life-threatening injuries!

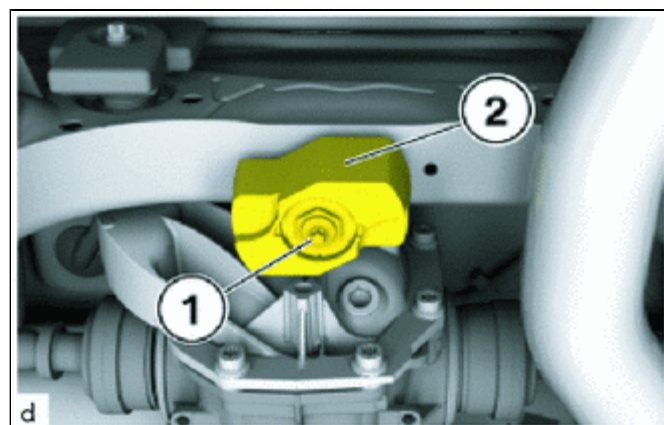
- Observe safety information on raising the vehicle using a vehicle hoist.
- For additional information see:

Click here [INFO](#)

PROCEDURE

1. REMOVE REAR SUSPENSION MEMBER DAMPER

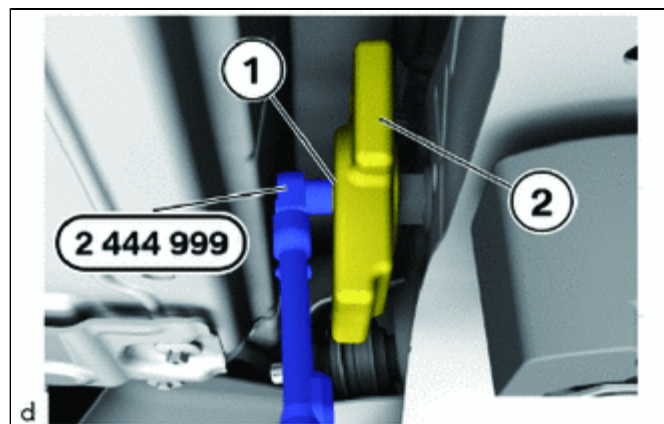
- (a) Unscrew the E12 bolt (1) and remove the rear suspension member damper (2).



2. REMOVE VIBRATION ABSORBER

- (a) Unscrew the bolt (1) on the vibration absorber (2) with the special tool 2 444 999.

SST: 09700-WA140



(b) Remove the vibration absorber (2).



TOYOTA

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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR SUSPENSION MEMBER DAMPER: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL REAR SUSPENSION MEMBER DAMPER

- (a) Replace the E12 bolt.
- (b) Position the rear suspension member damper and tighten the E12 bolt.

Torque:
28 N·m {286 kgf·cm, 21 ft·lbf}

2. INSTALL VIBRATION ABSORBER

- (a) Position the vibration absorber.
- (b) Replace the bolt.

- (c) Tighten the bolt (1) with the special tool 2 444 999, SST and 13 mm union nut wrench.

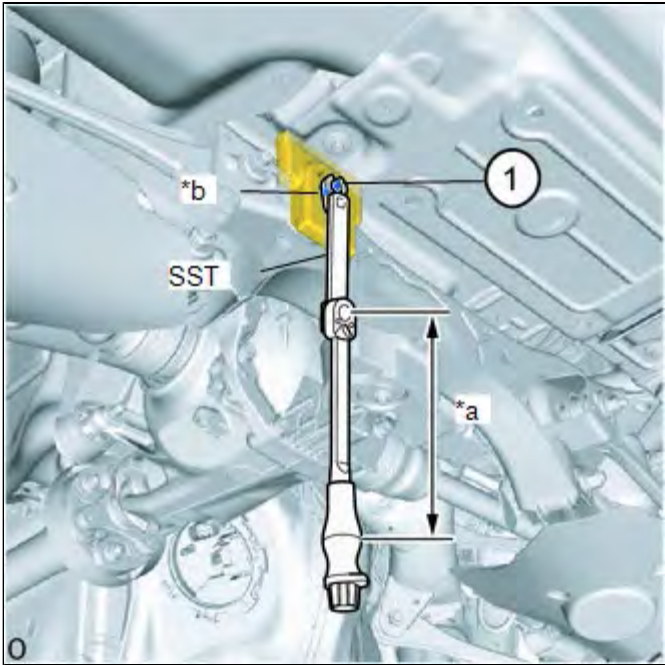
SST: 09961-00950
SST: 09700-WA140

Torque:
Specified tightening torque :
56 N·m {571 kgf·cm, 41 ft·lbf}

HINT:

- Calculate the torque wrench reading when changing the fulcrum length of the torque wrench.
- Click here [INFO](#)
- When using a 13 mm union nut wrench (fulcrum length of 30 mm (1.18 in.)) + SST (fulcrum length of 150 mm (5.91 in.)) + torque wrench (fulcrum length of 180 mm (7.09 in.)):

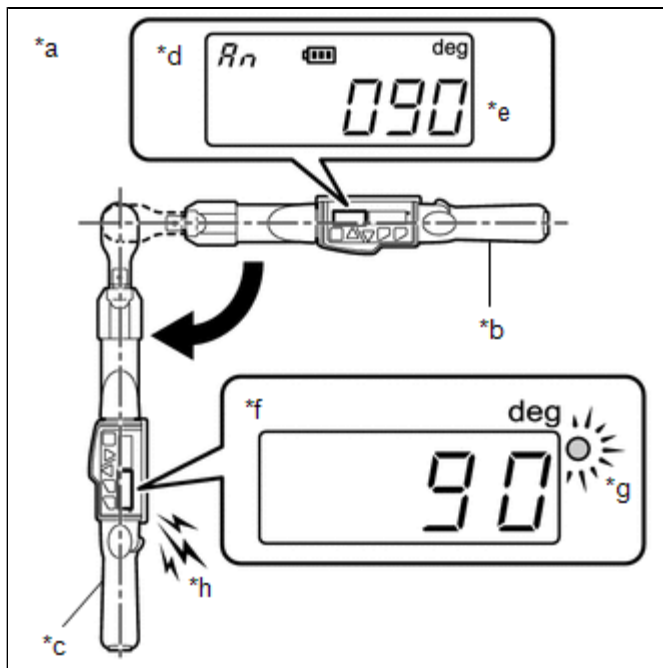
28 N*m (286 kgf*cm, 21 ft.*lbf)



*a	Torque Wrench Fulcrum Length
*b	13 mm Union Nut Wrench

- (d) Using a digital angle torque wrench, tighten the bolt an additional 90°.

HINT:



*a	Example
*b	Before Tightening
*c	After Tightening
*d	Set Angle Display
*e	Setting the Specified Angle
*f	Tightening Angle Display
*g	LED Notification
*h	Buzzer Notification

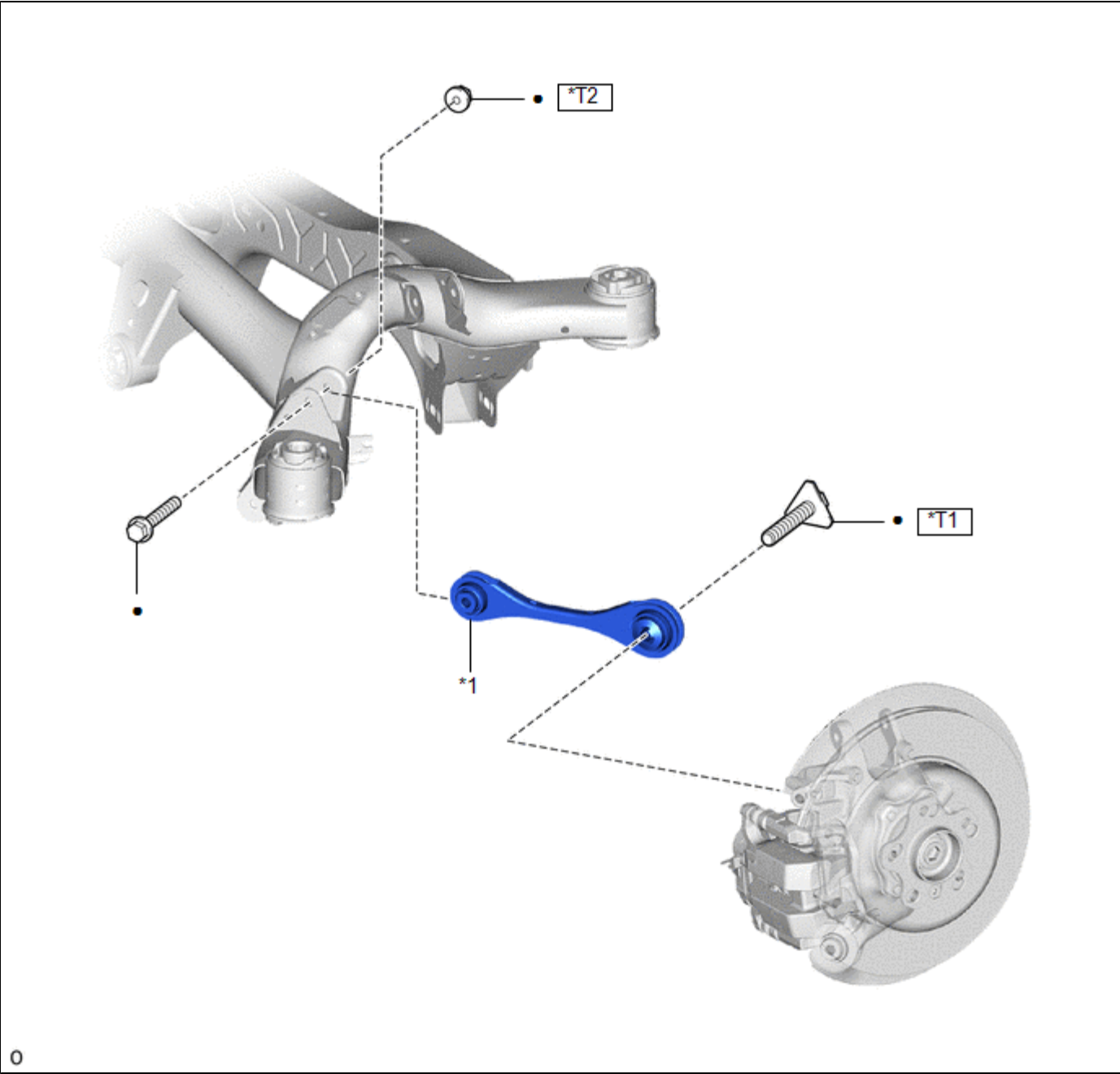
- When using the digital angle torque wrench, set the wrench to the specified tightening angle before use.
- When using the digital angle torque wrench, check the tightening angle display while performing the work.
- When tightening reaches the set angle, the buzzer will sound and a blue LED will illuminate.



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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR UPPER ARM: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

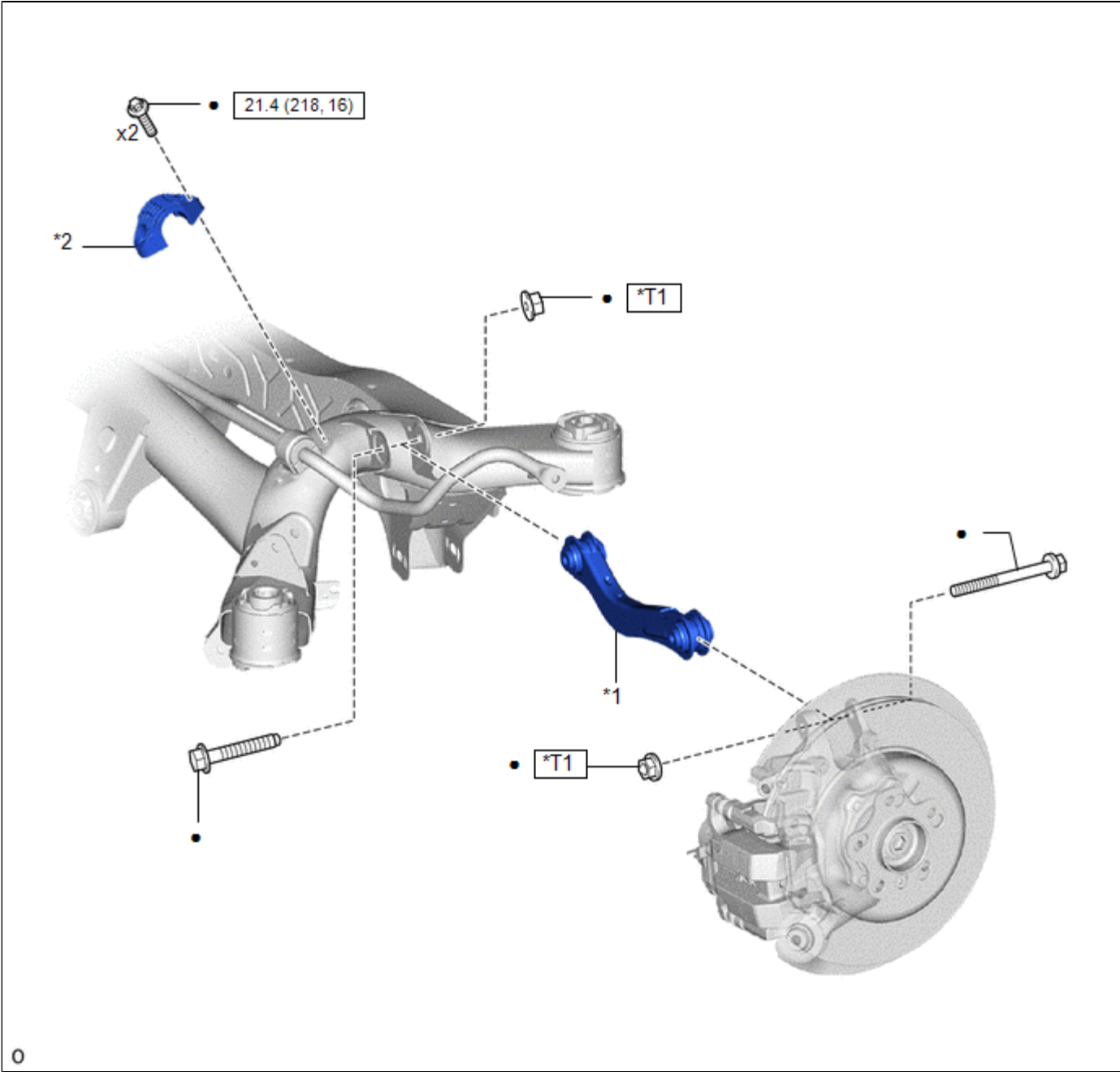
ILLUSTRATION



*1	REAR UPPER CONTROL ARM ASSEMBLY	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part

*T1	1st: 165 (1683, 122) 2nd: Turn 90°	*T2	1st: 100 (1020, 74) 2nd: Turn 90°
-----	---------------------------------------	-----	--------------------------------------

ILLUSTRATION



*1	REAR NO. 2 UPPER CONTROL ARM ASSEMBLY	*2	REAR NO. 1 STABILIZER BAR BRACKET
	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part
*T1	1st: 100 (1020, 74) 2nd: Turn 90°	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCLW
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR UPPER ARM: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Motor vehicle may slip off the vehicle hoist where components are supported.

Danger! Life-threatening injuries!

- Secure the vehicle hoist against lowering and lifting.

- Motor vehicle may slip off the vehicle hoist if the weight is distributed unevenly.

Danger! Life-threatening injuries!

- Ensure there is a specific weight compensation on the motor vehicle.

- Vehicle may slip off the vehicle hoist if the vehicle hoist is handled incorrectly.

Danger! Life-threatening injuries!

- Observe safety information on raising the vehicle using a vehicle hoist.
- For additional information see:

Click here [INFO](#)

HINT:

- Use the same procedure for the RH side and LH side.
- The following procedure is for the LH side.

PROCEDURE

1. REMOVE REAR SUSPENSION MEMBER SUB-ASSEMBLY

Click here [INFO](#)

2. REMOVE REAR UPPER CONTROL ARM ASSEMBLY

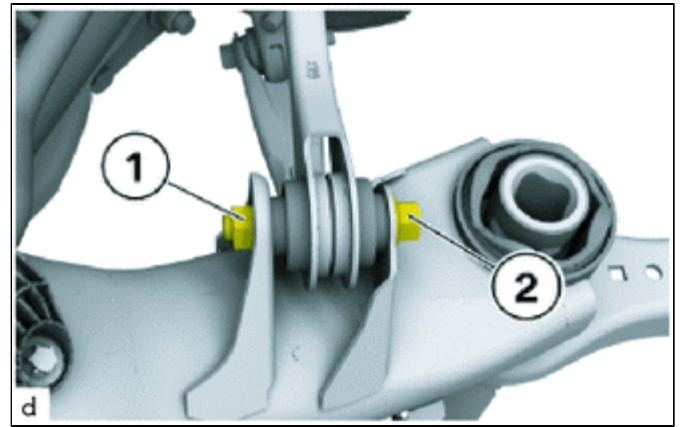
CAUTION:

- The rear suspension member sub-assembly is a very heavy component. Make sure that it is supported securely.
- If the rear suspension member sub-assembly is not securely supported, it may drop, resulting in serious injury.

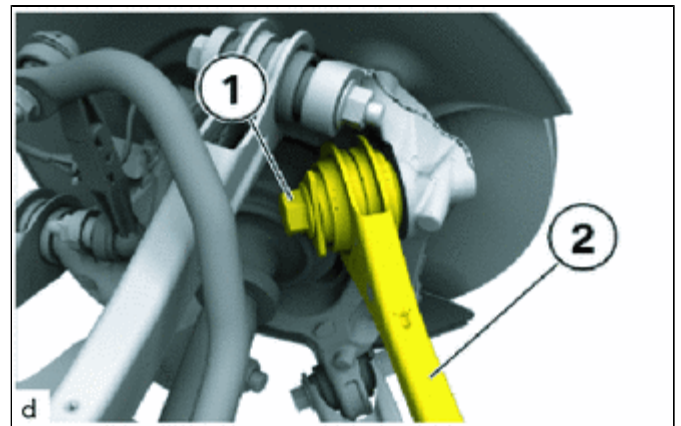
NOTICE:

Use attachments and wooden blocks to keep the rear suspension member sub-assembly level.

(a) Unfasten 18 mm nut (1).



(b) Remove the 16 mm bolt (2).



(c) Release bolt (1) and remove the rear upper control arm assembly (2).

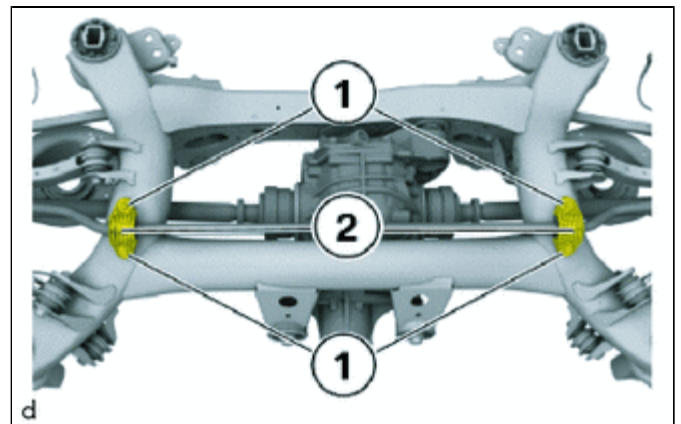
3. REMOVE REAR NO. 2 UPPER CONTROL ARM ASSEMBLY

CAUTION:

- The rear suspension member sub-assembly is a very heavy component. Make sure that it is supported securely.
- If the rear suspension member sub-assembly is not securely supported, it may drop, resulting in serious injury.

NOTICE:

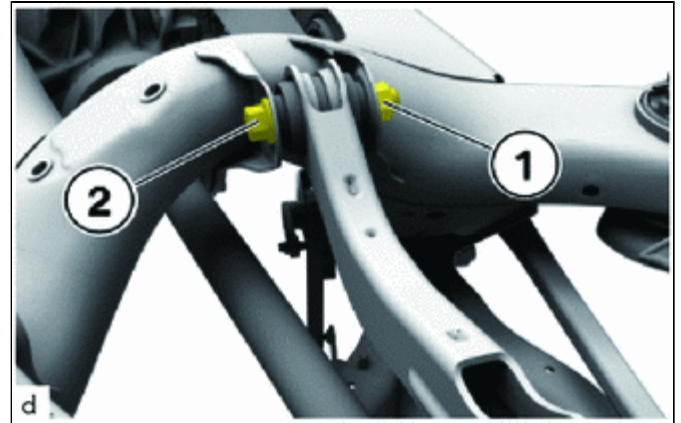
Use attachments and wooden blocks to keep the rear suspension member sub-assembly level.



(a) Loosen E12 bolts (1).

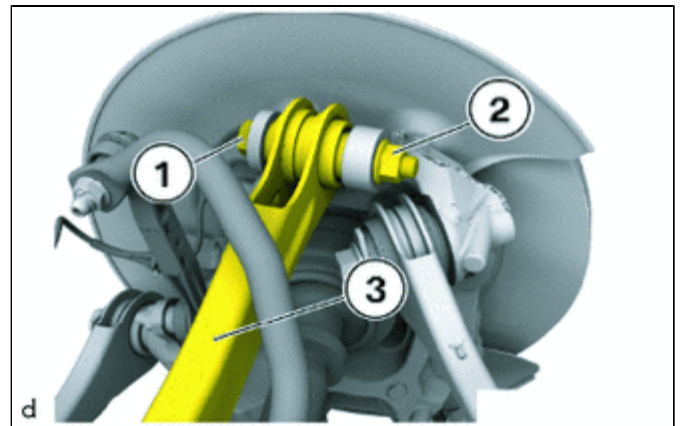
(b) Remove rear No. 1 stabilizer bar bracket (2) from the rear stabilizer bar.

(c) Unfasten 18 mm nut (1).



(d) Remove the 16 mm bolt (2).

(e) Loosen 18 mm nut (2).



(f) Remove the 18 mm bolt (1).

(g) Remove rear No. 2 upper control arm assembly (3).

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCLX
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: REAR UPPER ARM: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

CAUTION / NOTICE / HINT

HINT:

- Use the same procedure for the RH side and LH side.
- The following procedure is for the LH side.

PROCEDURE

1. INSTALL REAR NO. 2 UPPER CONTROL ARM ASSEMBLY

CAUTION:

- The rear suspension member sub-assembly is a very heavy component. Make sure that it is supported securely.
- If the rear suspension member sub-assembly is not securely supported, it may drop, resulting in serious injury.

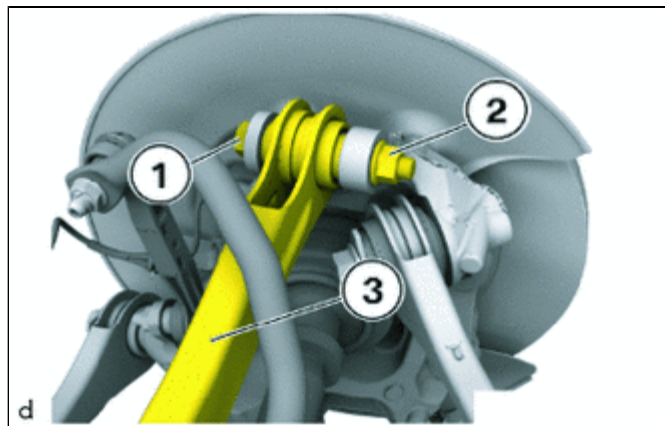
NOTICE:

Use attachments and wooden blocks to keep the rear suspension member sub-assembly level.

HINT:

Tighten the bolt connection in the normal position.

(a) Position the rear No. 2 upper control arm assembly (3).



(b) Replace the 18 mm bolt (1) and the 18 mm nut (2).

(c) Position 18 mm bolt (1).

(d) Tighten 18 mm nut (2).

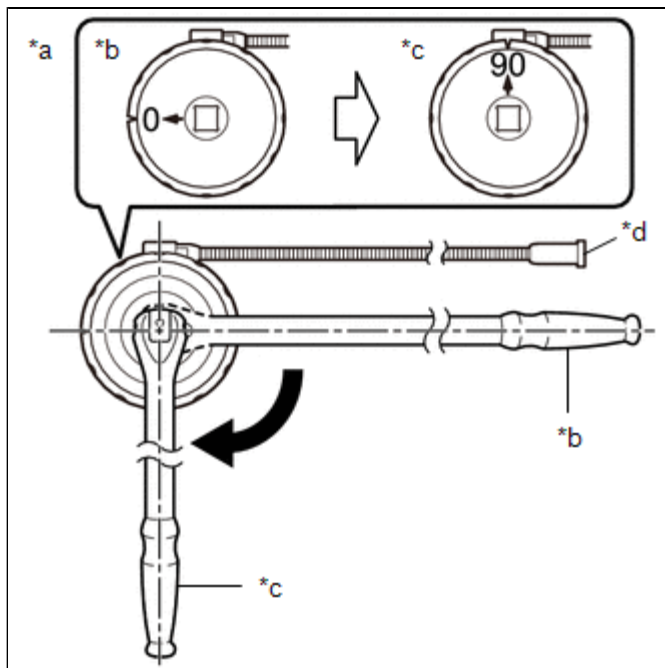
Torque:

100 N·m {1020 kgf·cm, 74 ft·lbf}

(e) Using SST, tighten the nut (2) an additional 90°.

SST: 09900-WA010

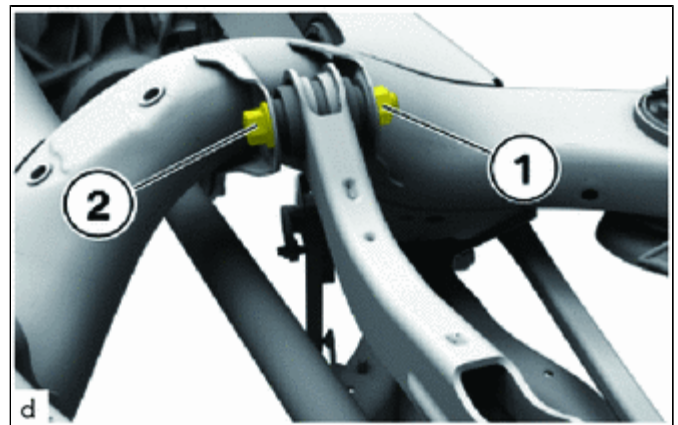
HINT:



*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.

(f) Replace the 18 mm nut (1) and 16 mm bolt (2).



(g) Position 16 mm bolt (2).

(h) Tighten 18 mm nut (1).

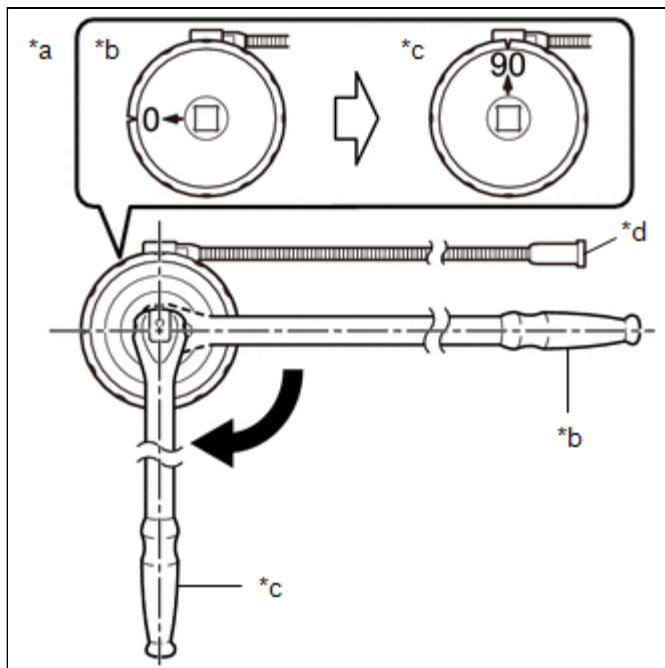
Torque:

100 N·m {1020 kgf·cm, 74 ft·lbf}

(i) Using SST, tighten the nut (1) an additional 90°.

SST: 09900-WA010

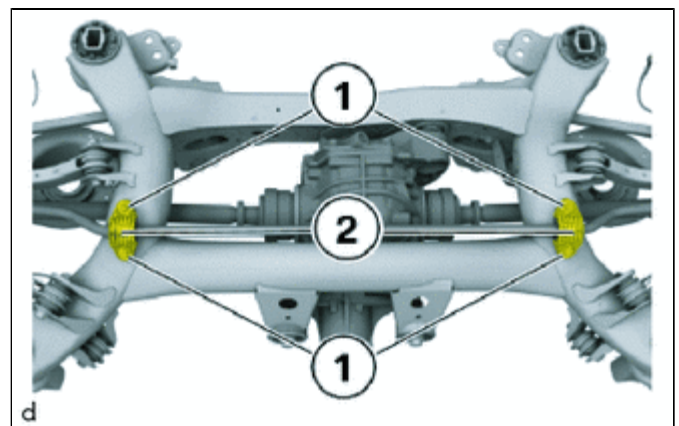
HINT:



*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.

(j) Position rear No. 1 stabilizer bar bracket (2) on the rear stabilizer bar.



(k) Replace E12 bolts (1).

(l) Tighten the E12 bolts (1).

Torque:

21.4 N·m {218 kgf·cm, 16 ft·lbf}

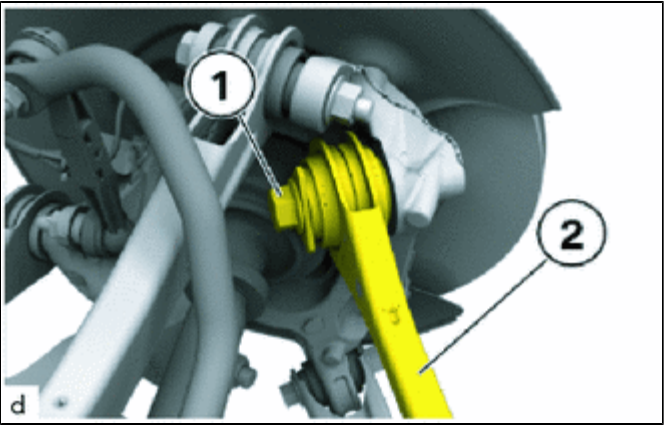
2. INSTALL REAR UPPER CONTROL ARM ASSEMBLY

CAUTION:

- The rear suspension member sub-assembly is a very heavy component. Make sure that it is supported securely.
- If the rear suspension member sub-assembly is not securely supported, it may drop, resulting in serious injury.

NOTICE:

Use attachments and wooden blocks to keep the rear suspension member sub-assembly level.



(a) Position the rear upper control arm assembly (2).

(b) Replace the bolt (1).

(c) Tighten down bolt (1).

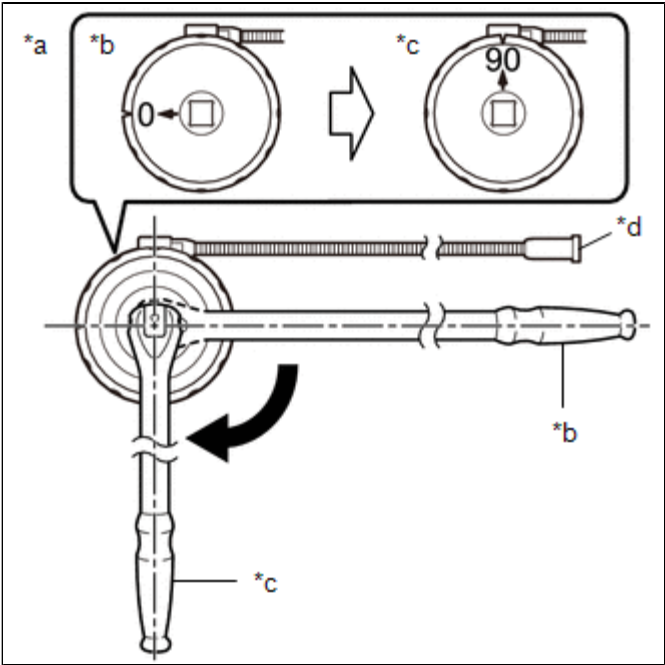
Torque:

165 N·m {1683 kgf·cm, 122 ft·lbf}

(d) Using SST, tighten the bolt (1) an additional 90°.

SST: 09900-WA010

HINT:

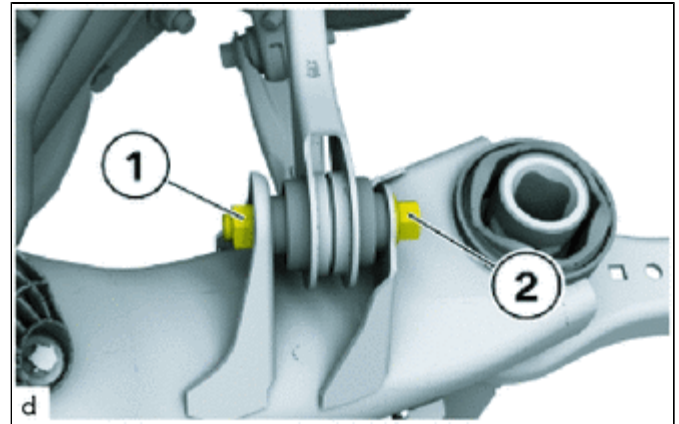


*a	Example
*b	Before Tightening
*c	After Tightening
*d	Magnetic Portion

- 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) Replace the 16 mm bolt (2) and the 18 mm nut (1).



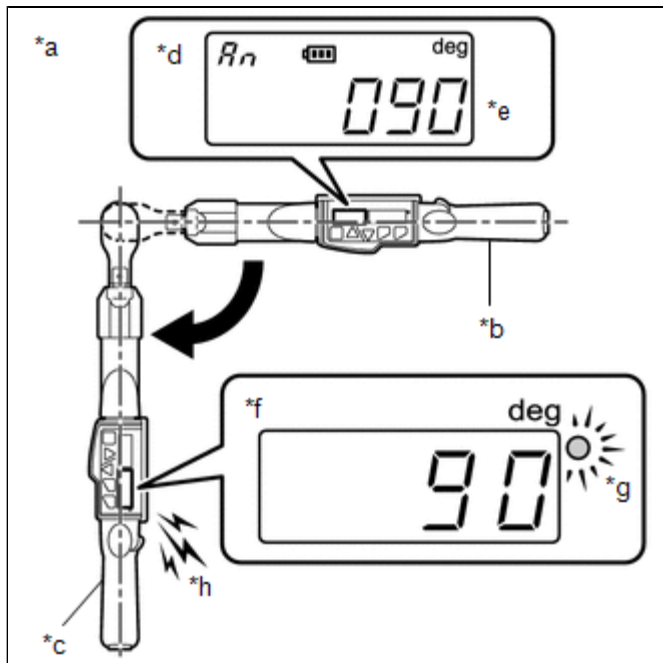
(f) Tighten 18 mm nut (1).

Torque:

100 N·m {1020 kgf·cm, 74 ft·lbf}

(g) Using a digital angle torque wrench, tighten the 18 mm nut (1) an additional 90°.

HINT:



*a	Example
*b	Before Tightening
*c	After Tightening
*d	Set Angle Display
*e	Setting the Specified Angle
*f	Tightening Angle Display
*g	LED Notification
*h	Buzzer Notification

- When using the digital angle torque wrench, set the wrench to the specified tightening angle before use.

- When using the digital angle torque wrench, check the tightening angle display while performing the work.
- When tightening reaches the set angle, the buzzer will sound and a blue LED will illuminate.

3. INSTALL REAR SUSPENSION MEMBER SUB-ASSEMBLY

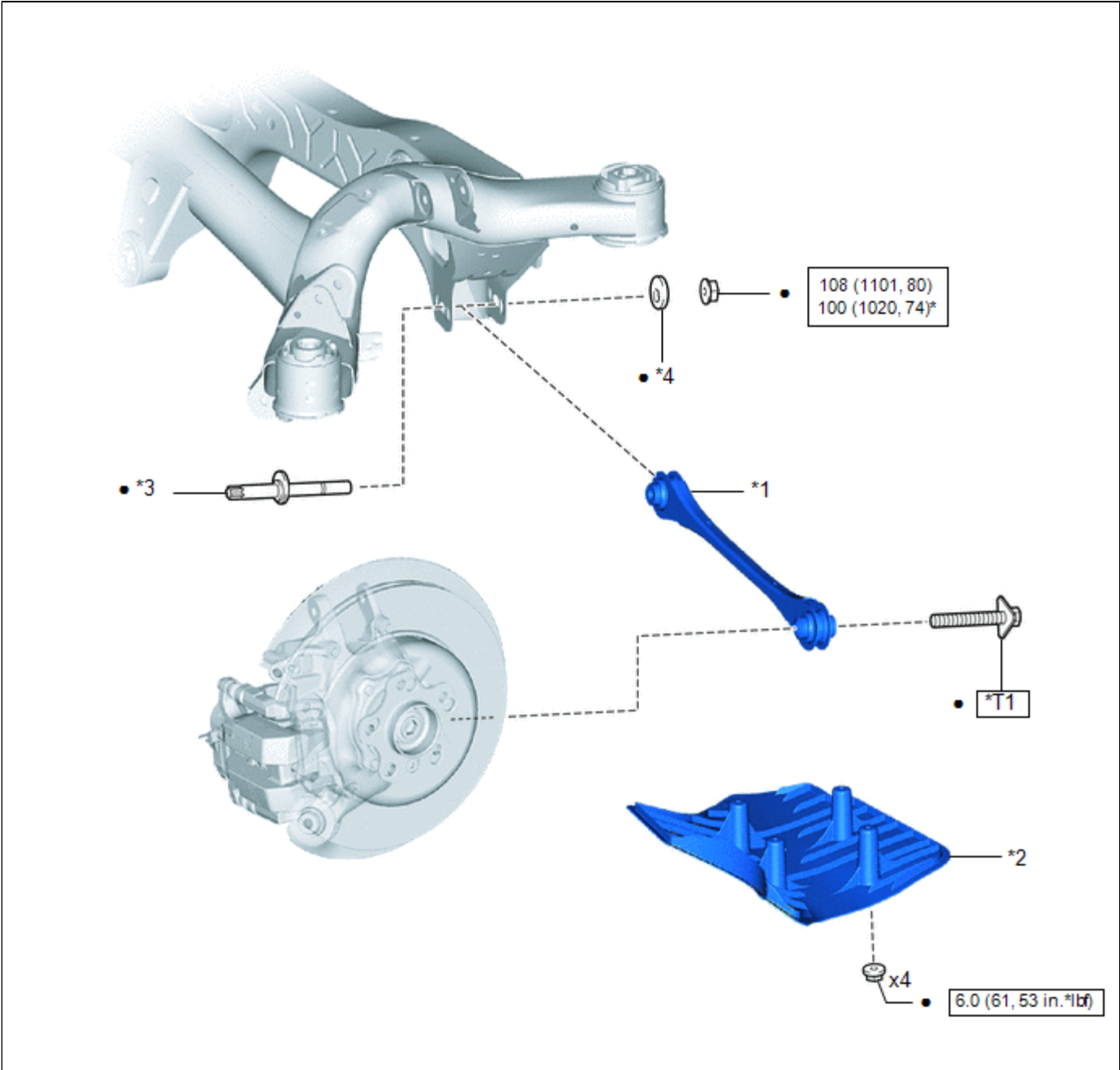
Click here [INFO](#)



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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: TOE CONTROL LINK: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	TOE CONTROL LINK SUB-ASSEMBLY	*2	REAR SUSPENSION ARM COVER
*3	TOE ADJUST BOLT	*4	TOE ADJUST WASHER
	N*m (kgf*cm, ft.*lbf): Specified torque	*	For use with a union nut wrench

•	Non-reusable part	-	-
*T1	1st: 100 (1020, 74) 2nd: Turn 90°	-	-



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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: REAR SUSPENSION: TOE CONTROL LINK: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Vehicle may slip off the vehicle hoist if the vehicle hoist is handled incorrectly.

Danger! Life-threatening injuries!

- Observe safety information on raising the vehicle using a vehicle hoist.
- For additional information see:

Click here [INFO](#)

HINT:

- Use the same procedure for the RH side and LH side.
- The following procedure is for the LH side.

PROCEDURE

1. REMOVE REAR WHEEL

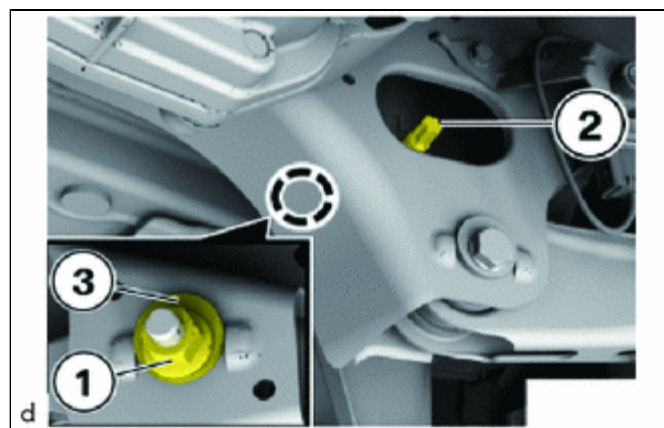
Click here [INFO](#)

2. REMOVE REAR SUSPENSION ARM COVER

Click here [INFO](#)

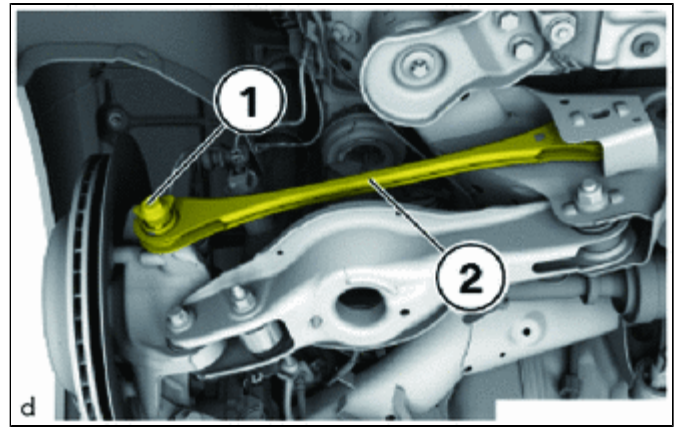
3. REMOVE TOE CONTROL LINK SUB-ASSEMBLY

- (a) Release 18 mm nut (1) and counter-hold on toe adjust bolt (2).



- (b) Remove the toe adjust bolt (2) and toe adjust washer (3).

(c) Unscrew the bolt (1) and remove the toe control link sub-assembly (2).



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Title: REAR SUSPENSION: TOE CONTROL LINK: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

CAUTION / NOTICE / HINT

HINT:

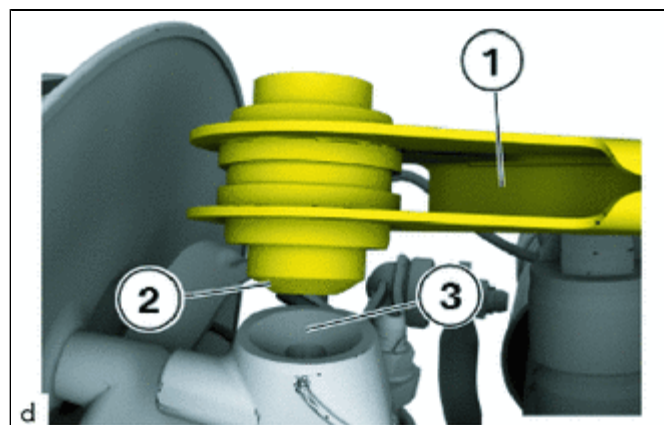
- Use the same procedure for the RH side and LH side.
- The following procedure is for the LH side.
- Tighten the bolt connection in the normal position.

PROCEDURE

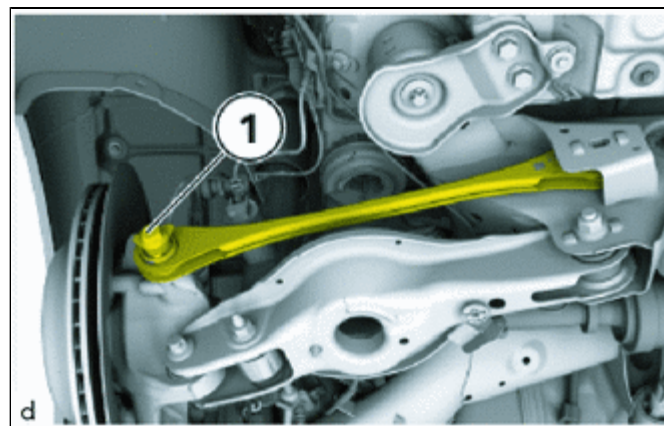
1. INSTALL TOE CONTROL LINK SUB-ASSEMBLY

(a) Position the toe control link sub-assembly.

(b) When installing the toe control link sub-assembly (1), make sure that the tapered side (2) of the rubber mount points in the direction of the rear axle carrier sub-assembly (3).

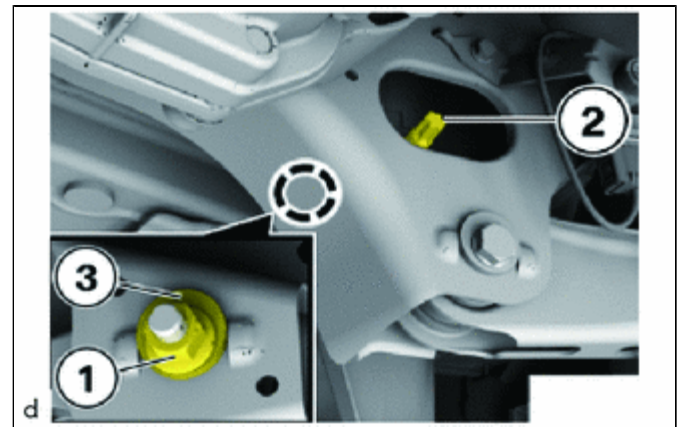


(c) Replace the bolt (1).



(d) Hand-tighten the bolt (1).

(e) Replace the 18 mm nut (1), toe adjust bolt (2) and toe adjust washer (3).



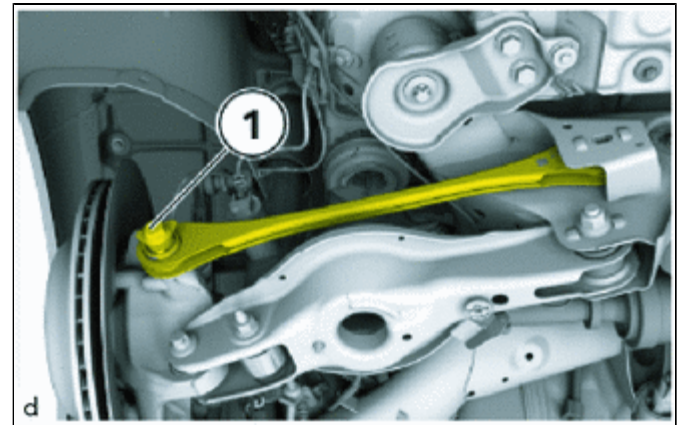
(f) Position the 18 mm nut (1) and toe adjust washer (3).

(g) Hand-tighten the toe adjust bolt (2).

(h) Tighten down bolt (1).

Torque:

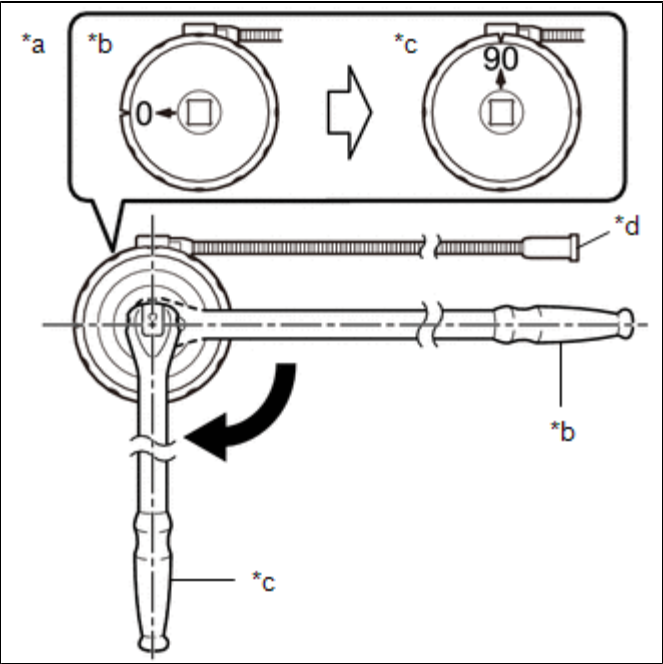
100 N·m {1020 kgf·cm, 74 ft·lbf}



(i) Using SST, tighten the bolt (1) an additional 90°.

SST: 09900-WA010

HINT:



*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.

(j) Using an 18 mm union nut wrench, tighten the 18 mm nut (1).

Torque:

Specified tightening torque :
108 N·m {1101 kgf·cm, 80 ft·lbf}

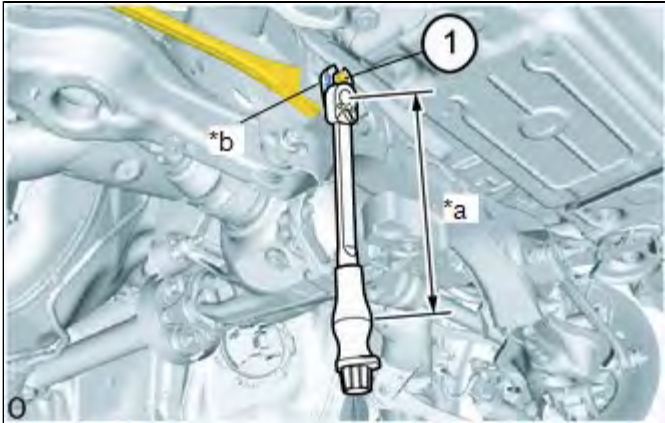
HINT:

- If necessary, counter support the toe adjust bolt.
- Calculate the torque wrench reading when changing the fulcrum length of the torque wrench.

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

- When using an 18 mm union nut wrench (fulcrum length of 30 mm (1.18 in.)) + torque wrench (fulcrum length of 400 mm (15.7 in.)):

100 N·m (1020 kgf·cm, 74 ft·lbf)



*a	Torque Wrench Fulcrum Length
*b	18 mm Union Nut Wrench

2. INSTALL REAR SUSPENSION ARM COVER

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

3. INSTALL REAR WHEEL

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

4. INSPECT AND ADJUST REAR WHEEL ALIGNMENT

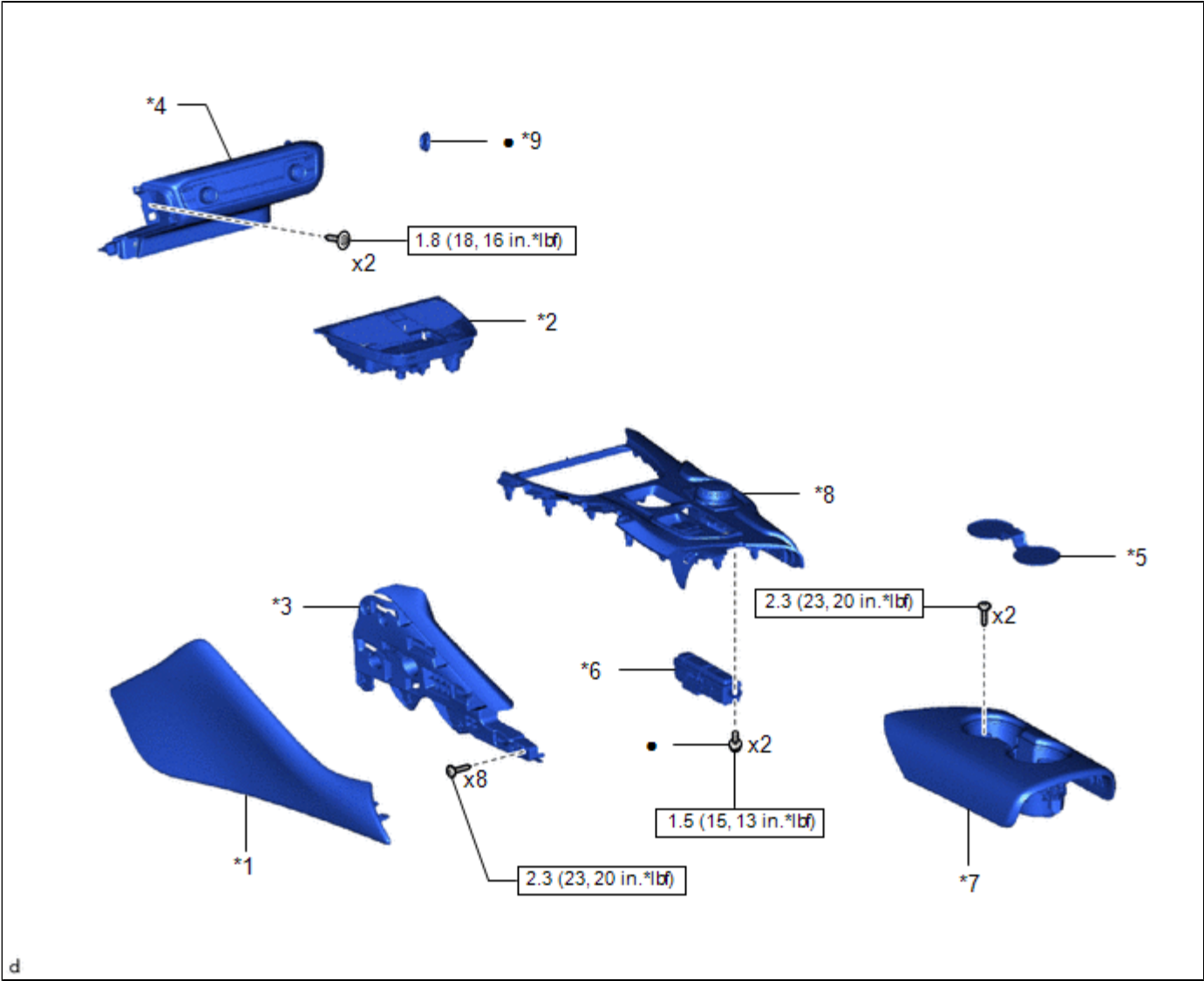
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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: SUSPENSION CONTROL: ABSORBER CONTROL SWITCH: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	CONSOLE SIDE PANEL	*2	FRONT CONSOLE BOX COVER
*3	CONSOLE PANEL AND CONSOLE PANEL RETAINER	*4	INSTRUMENT PANEL FINISH LOWER PANEL
*5	NO. 1 CONSOLE BOX SILENCER PAD	*6	ABSORBER CONTROL SWITCH (PATTERN SELECT SWITCH ASSEMBLY)
*7	REAR CONSOLE ARMREST ASSEMBLY	*8	UPPER CONSOLE PANEL SUB-ASSEMBLY
*9	RUBBER PLUG	-	-
N*m (kgf*cm, ft.*lbf): Specified			

	torque	•	Non-reusable part
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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: SUSPENSION CONTROL: ABSORBER CONTROL SWITCH: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

PROCEDURE

1. REMOVE ABSORBER CONTROL SWITCH (PATTERN SELECT SWITCH ASSEMBLY)

Click here [INFO](#)



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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: SUSPENSION CONTROL: ABSORBER CONTROL SWITCH: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL ABSORBER CONTROL SWITCH (PATTERN SELECT SWITCH ASSEMBLY)

Click here [INFO](#)

