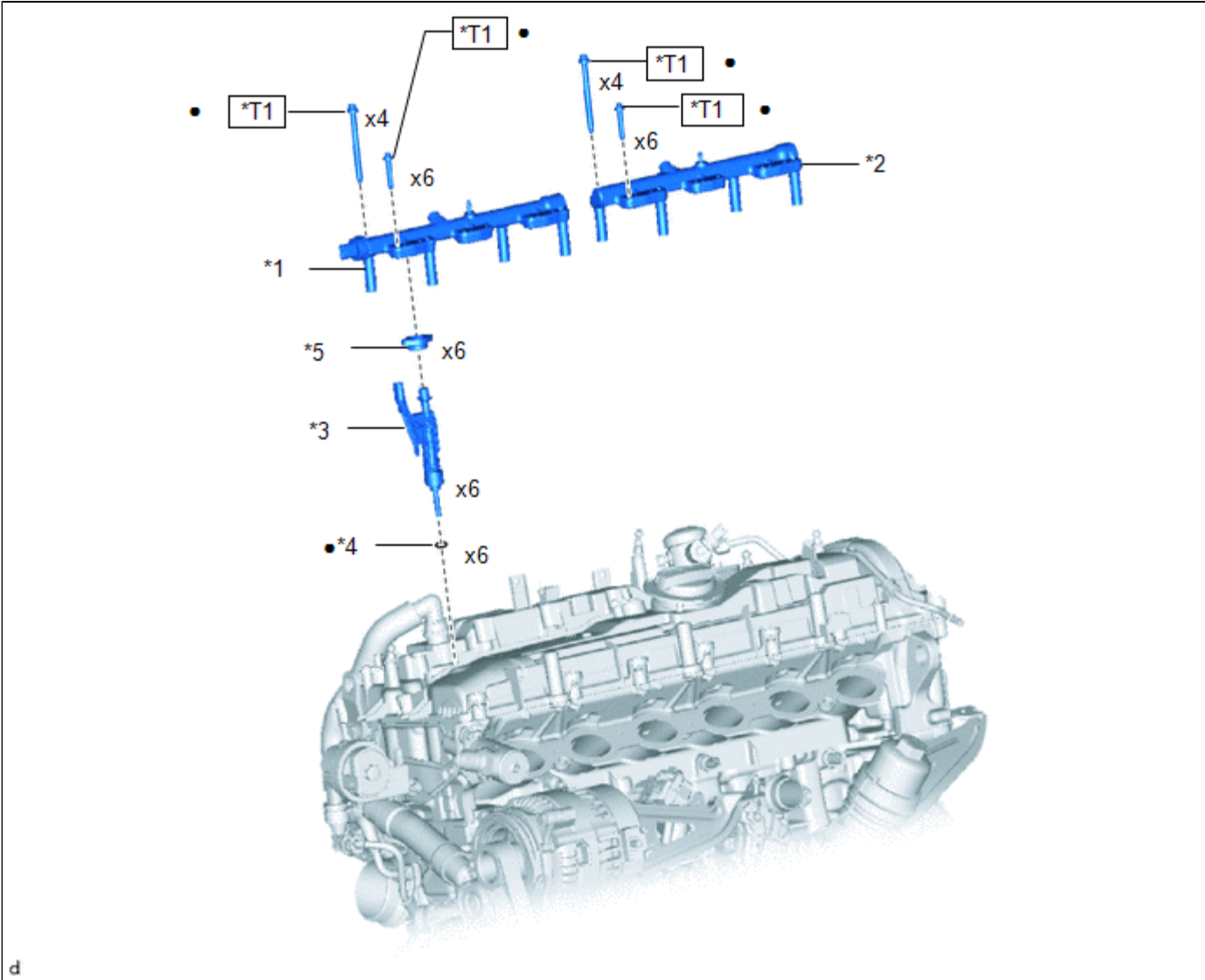


Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD6A
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL DELIVERY PIPE: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	FUEL DELIVERY PIPE	*2	NO. 2 FUEL DELIVERY PIPE
*3	FUEL INJECTOR ASSEMBLY	*4	O-RING
*5	HOLDER	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part
*T1	1st: 5.0 N*m (51 kgf*cm, 44 in.*lbf) 2nd: Turn 90°	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD6B
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL DELIVERY PIPE: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

Click here [INFO](#)



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD6C
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL DELIVERY PIPE: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

CAUTION / NOTICE / HINT

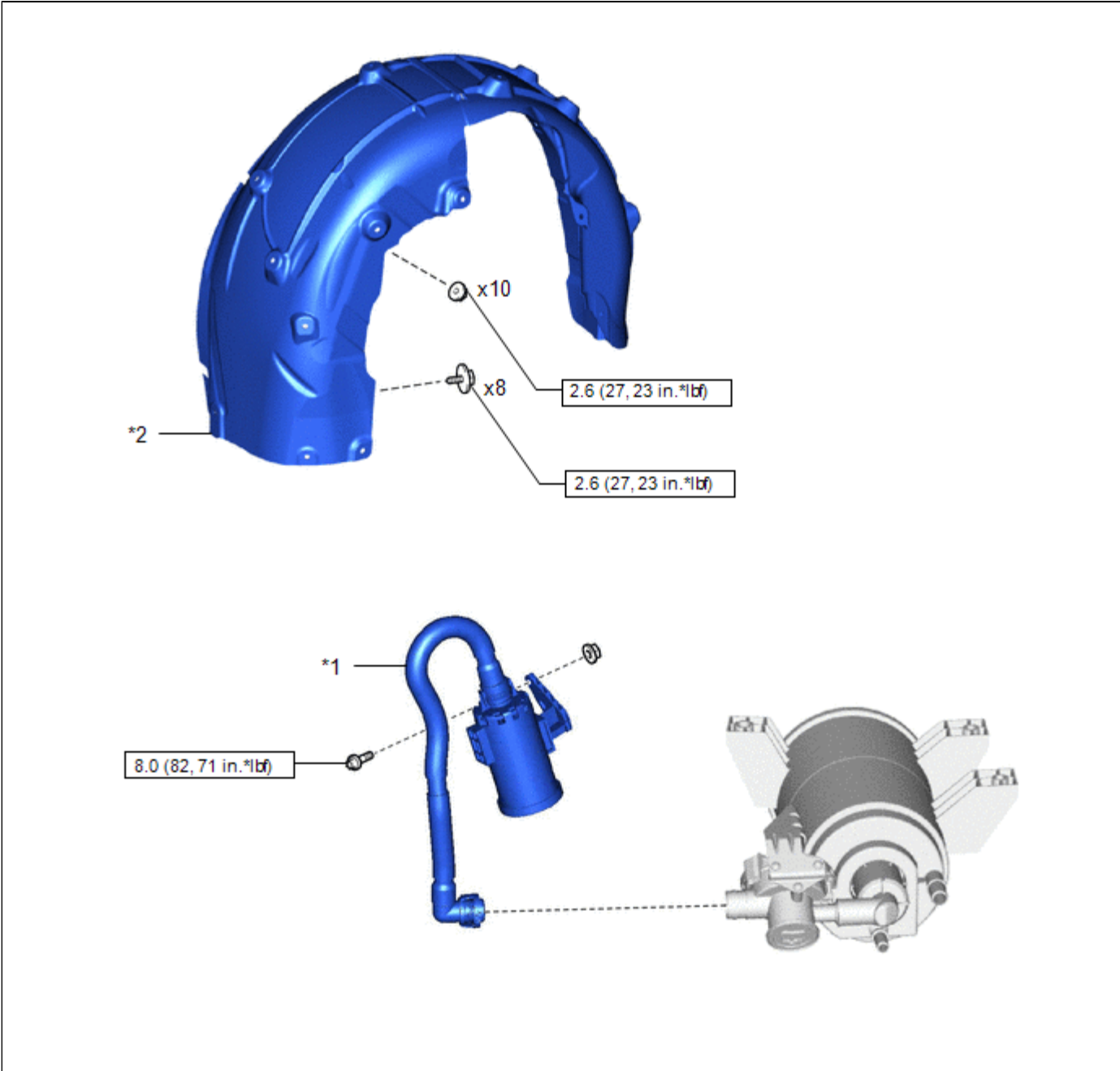
Click here [INFO](#)



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5M
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL FILTER: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	FUEL FILTER ASSEMBLY	*2	REAR WHEEL HOUSE LINER RH
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5N
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL FILTER: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

PROCEDURE

1. REMOVE WHEEL ASSEMBLY

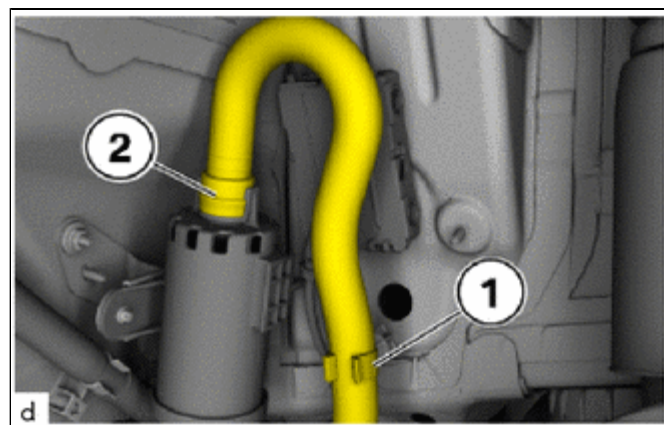
Click here [INFO](#)

2. REMOVE REAR WHEEL HOUSE LINER RH

Click here [INFO](#)

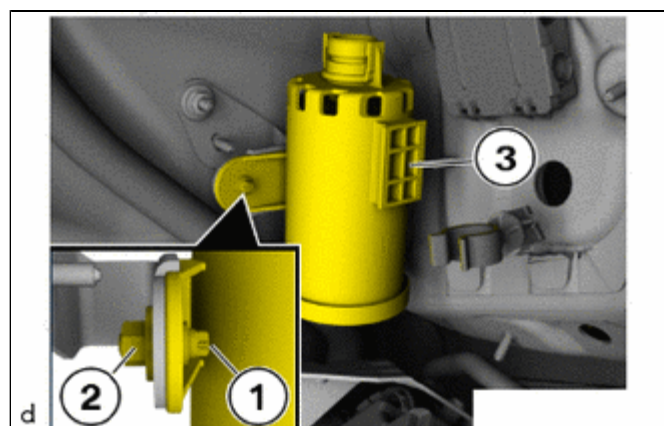
3. REMOVE FUEL FILTER ASSEMBLY

(a) Detach the tank ventilation line from the bracket (1).



(b) Unlock the snap fastener (2) and disconnect the tank ventilation line.

(c) Release the screw (1) and counter on the nut (2).



(d) Remove the fuel filter assembly (3).

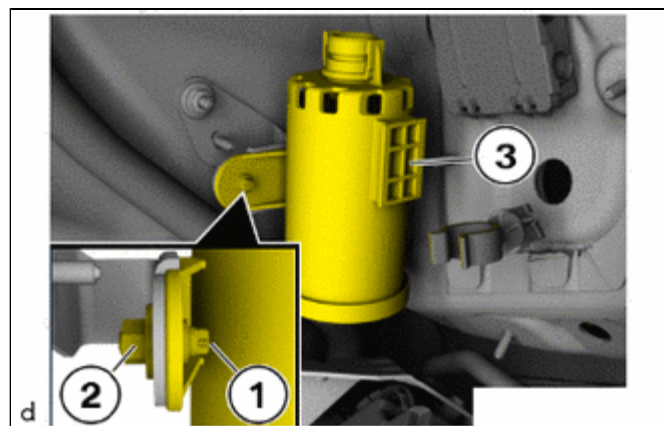
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5O
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL FILTER: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL FUEL FILTER ASSEMBLY

(a) Install the fuel filter assembly (3).



(b) Tighten the screw (1) and counter on the nut (2).

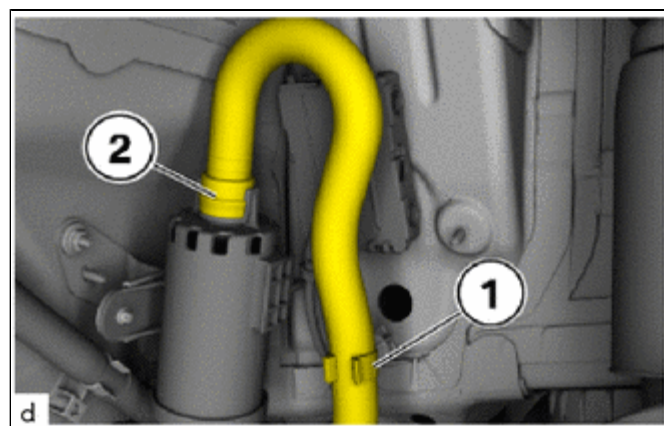
Torque:

8.0 N·m {82 kgf·cm, 71 in·lbf}

(c) Connect and lock the snap fastener (2) of the tank ventilation line.

HINT:

The snap fastener (2) must engage audibly and noticeably.



(d) The snap fastener (2) must engage audibly and noticeably.

2. INSTALL REAR WHEEL HOUSE LINER RH

Click here [INFO](#)

3. INSTALL WHEEL ASSEMBLY

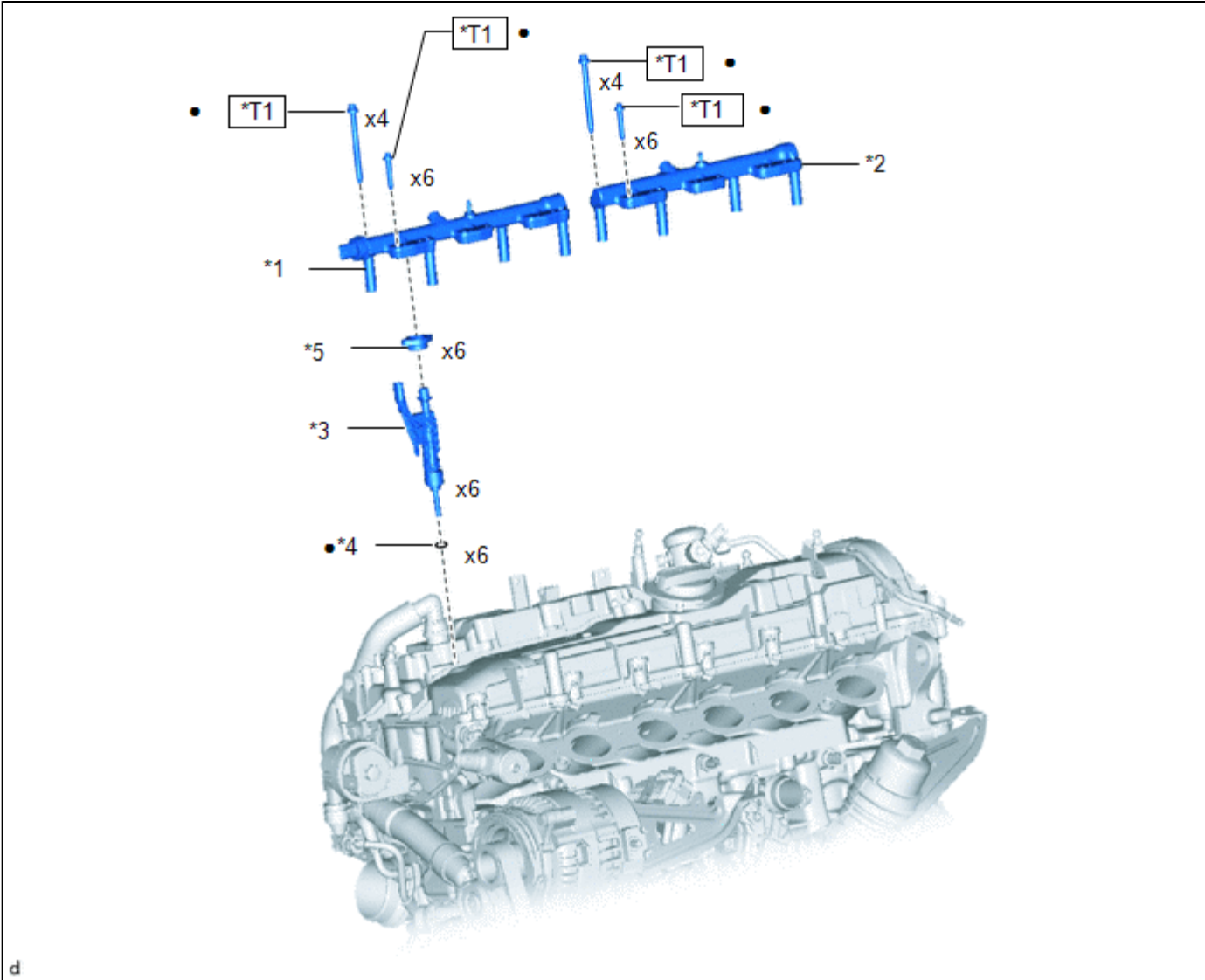
Click here [INFO](#)



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5G
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL INJECTOR: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	FUEL DELIVERY PIPE	*2	NO. 2 FUEL DELIVERY PIPE
*3	FUEL INJECTOR ASSEMBLY	*4	O-RING
*5	HOLDER	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part
*T1	1st: 5.0 N*m (51 kgf*cm, 44 in.*lbf) 2nd: Turn 90°	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5H
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL INJECTOR: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Working on 12 V vehicle electrical system.

Risk of short circuits! Risk of fire!

- Detach battery earth lead from battery.

NOTICE:

- Damage to battery terminal, the safety battery terminal or the intelligent battery sensor (IBS).
- Damaged battery terminals can lead to malfunctions or vehicle electrical system faults.
 - Pull off battery terminal from battery pole by carefully moving to and fro. Do not pry off using a tool.

PROCEDURE

1. REMOVE NO. 1 FUEL PIPE SUB-ASSEMBLY

Click here [INFO](#)

2. REMOVE FUEL INJECTOR ASSEMBLY (for Front Side)

NOTICE:

- Contaminant or foreign body.

Contamination can result in malfunctions, operating failure or leaks.

- Adhere to the utmost cleanliness.
- Protect components from contamination e.g. by covering.
- Close off line connections with seal plugs.

- Damage to the ignition coil.

The silicone hose of the ignition coil must not be contaminated by fuel as this can lead to failure of the ignition coil.

- Cover ignition coils using suitable covers when working on the fuel system, if necessary remove them.
- Do not oil or grease the silicone tube of the spark plug connector. The silicone tube is coated with talc to reduce the pulling forces.

- Damage to the injector tips and Teflon ring.

Improper handling of the injector tips and Teflon ring can lead to malfunctioning of the injector.

- Avoid mechanical contact with injector tip.
- When exchanging Teflon ring, hands and work surface must be clean and free of oil. Do not use any lubricating agents.
- Do not use fingernails to slide Teflon ring on.

- Electrostatic discharge.

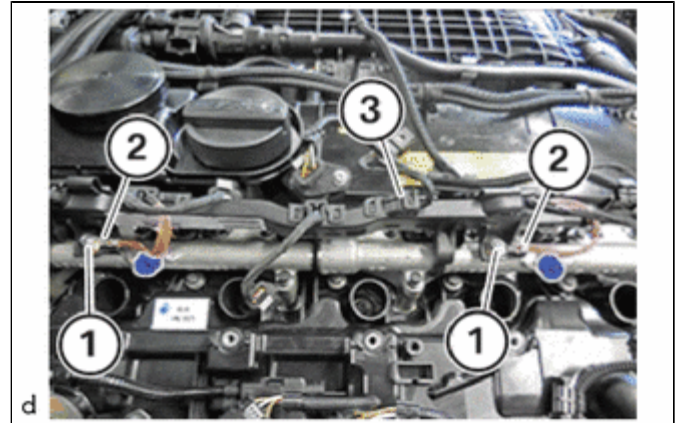
Damage to or destruction of electrical components.

- Only touch the housings of electrical components. Do not touch pins or multi-pin connectors directly

- For additional information see:

[Click here](#) 

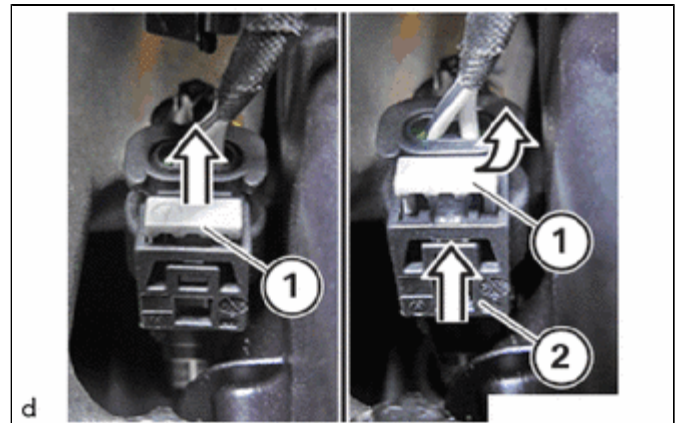
(a) Loosen nuts (1).



(b) Feed out ground cable (2) and set it aside.

(c) Feed out cable channel (3) and set it aside.

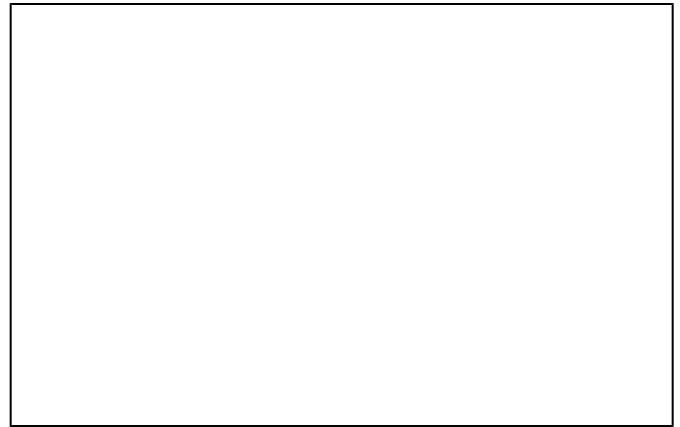
(d) Unlock lock (1) in direction of arrow from the top.



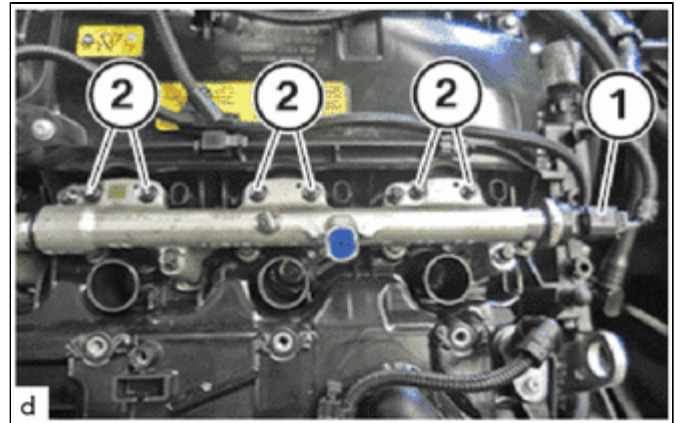
(e) Press the lock (1) together and release it in the direction of the arrow.

(f) Pull off the connector (2) from the injectors.

(g) Unlock all connectors (1) on injectors and detach.



(h) Unlock and loosen connector (1).

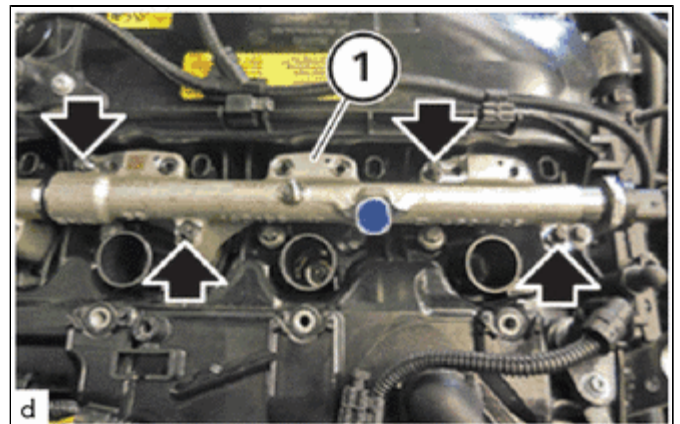


(i) Release E6 bolts (2).

NOTICE:

Do not reuse the bolts (2).

(j) Catch and dispose of escaping fuel with suitable materials.



(k) Unscrew the E8 bolts (arrows).

NOTICE:

Do not reuse the bolts.

(l) Remove the rail (1) in upward direction.

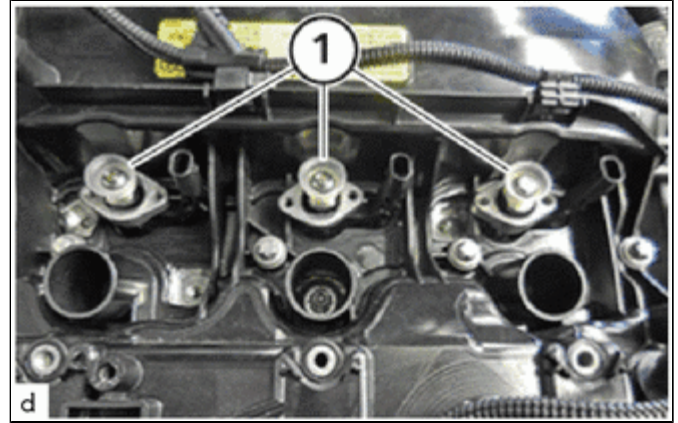
HINT:

The injectors remain in the cylinder head.

(m) Remove the gaskets (1).

HINT:

The gaskets (1) are required during first assembly with in the plant only and will not be installed again.



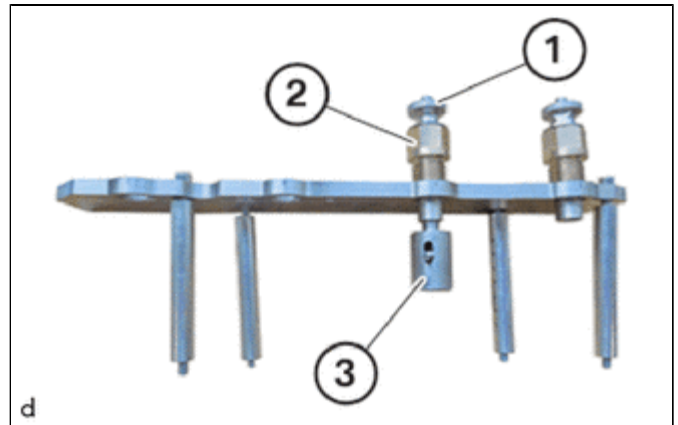
(n) If the specified value for the tensile force is exceeded:
Replace fuel injector

NOTICE:

- Damage to injectors.

Excessive force may damage the injector and this means having to replace the injector.

- Twist the injectors with a maximum torsional movement of 13 N*m (133 kgf*cm, 10 ft.*lbf).



(o) Use the special tool 2 358 417 to remove the injectors.

SST: 09200-WA520

(1) The special tool 2 358 417 is used to ensure that the tensile force is not exceeded.

SST: 09200-WA520

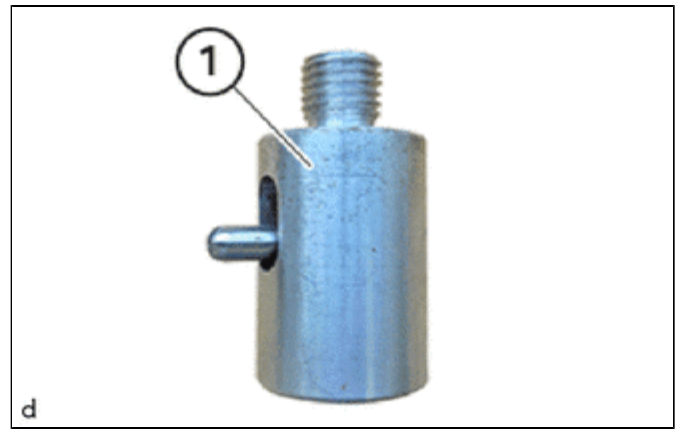
(2) The special tool 2 358 417 consists of:

SST: 09200-WA520

- (1) Threaded sleeves
- (2) Pull-out thread (left-hand thread)
- (3) Mounting for the injectors

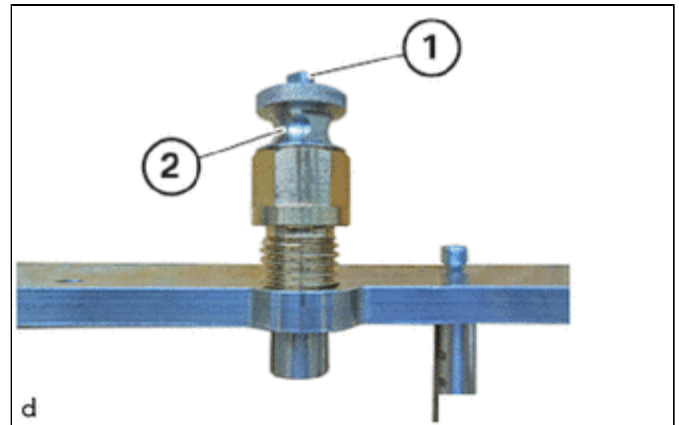
(p) Unscrew the fixture for the injectors (1) from the special tool 2 358 417 .

SST: 09200-WA520



(q) Press the lock (1) in and remove threaded sleeve (2) from the special tool 2 358 417 .

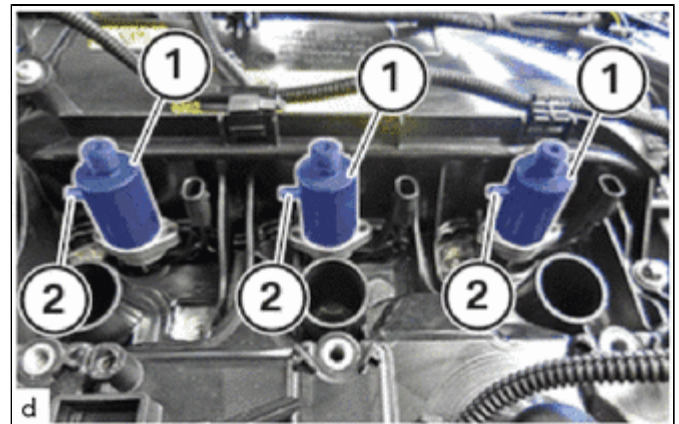
SST: 09200-WA520



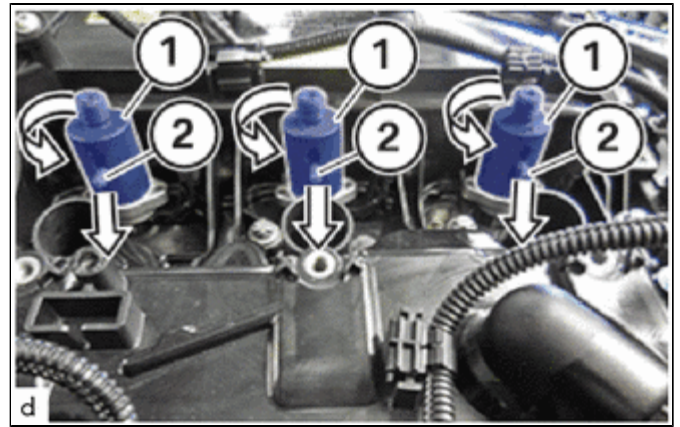
(r) Install all fixtures (1) for the injectors.

HINT:

The fixtures (1) are not locked when the levers (2) are up.



(s) Turn fixtures (1) by 90° and lock the lever (2) downwards.



(t) Prepare the panel (1) from the special tool 2 358 417 with the spacer sleeves 2 455 172 .

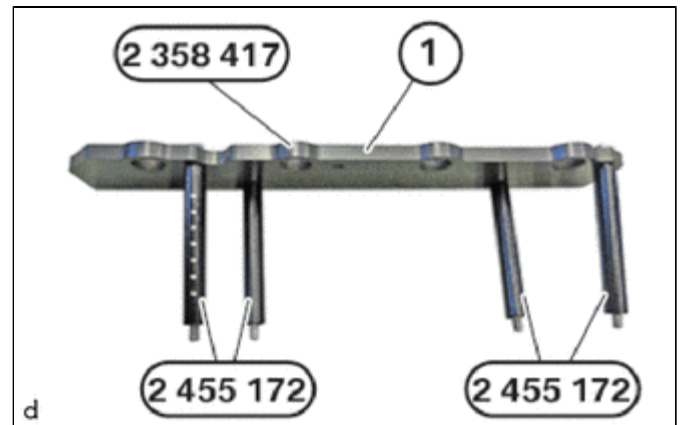
SST: 09200-WA520

NOTICE:

- Damage to injectors.

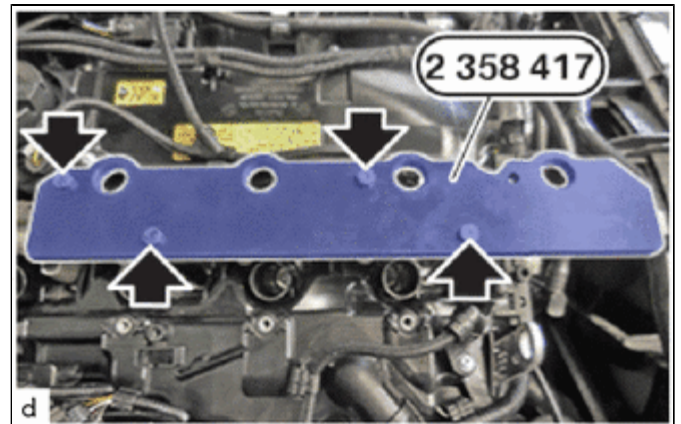
Excessive force may damage the injector and this means having to replace the injector.

- Do not use the puller plate as a support.



(u) Attach special tool 2 358 417 to cylinder head.

SST: 09200-WA520



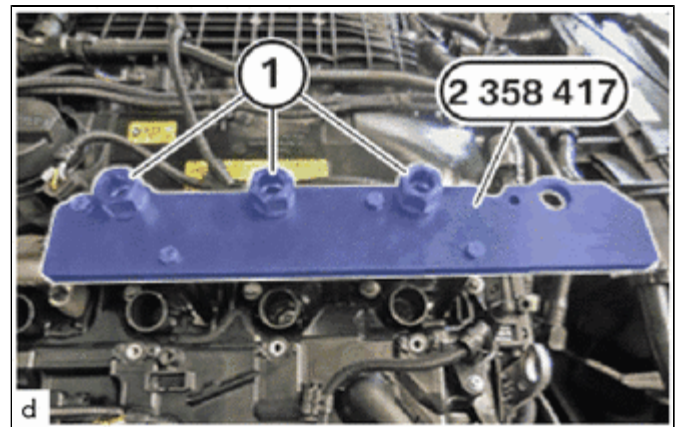
(v) Hand-tighten the bolts (arrows).

HINT:

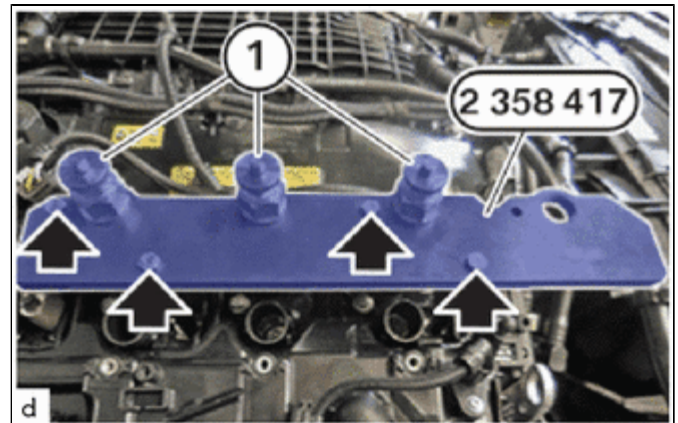
The extraction thread is a left-hand thread.

(w) Screw in pull-out thread (1) on the special tool 2 358 417 fully.

SST: 09200-WA520



(x) Insert threaded sleeves (1) and screw the threaded sleeves completely onto the fixtures for the injectors.

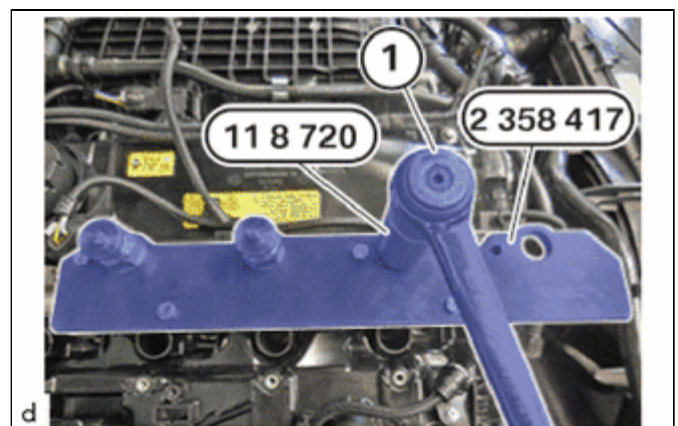


(y) Tighten the screws (arrows) on the special tool 2 358 417.

SST: 09200-WA520

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}



(z) Adjust the torque wrench to 13 N*m (133 kgf*cm, 10 ft.*lbf), clockwise rotation.

(aa) Turn torque wrench (1) in clockwise direction with 24 mm deep socket wrench until the injector is pulled out.

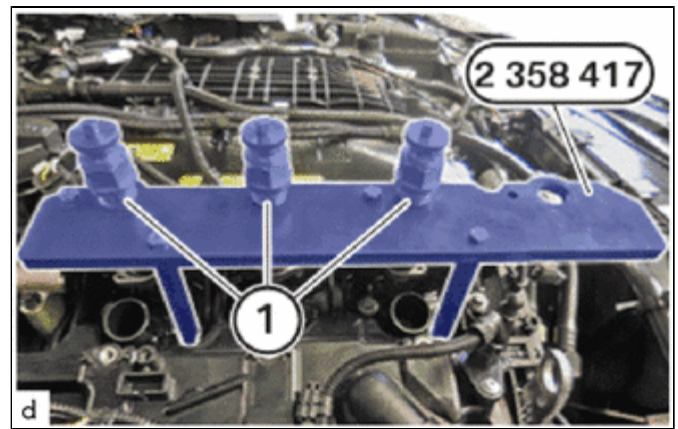
SST: 09200-WA180

(ab) Disassemble all injectors individually.

(ac) Before removing the special tool 2 358 417 with the injectors, check if all the injectors were completely pulled out of the cylinder head.

SST: 09200-WA520

(1) This can be recognised on the completely visible threads of the threaded sleeves (1).

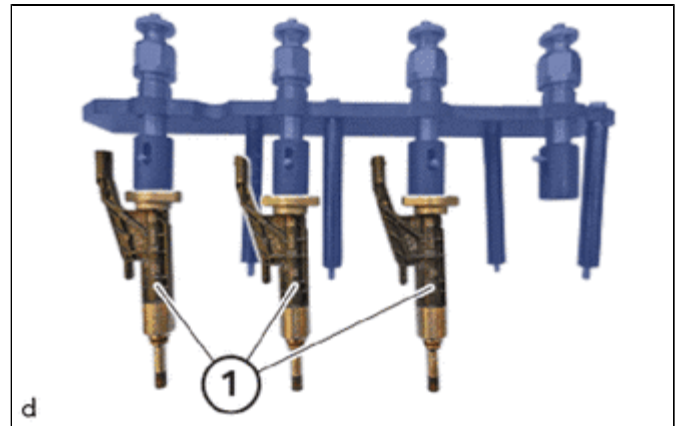


(ad) Loosen screws on special tool 2 358 417 .

SST: 09200-WA520

(ae) Carefully remove the special tool 2 358 417 with the injectors (1) vertically straight up from the cylinder head.

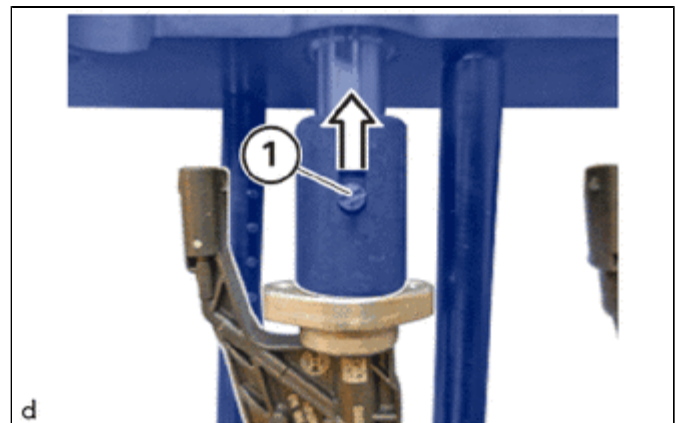
SST: 09200-WA520



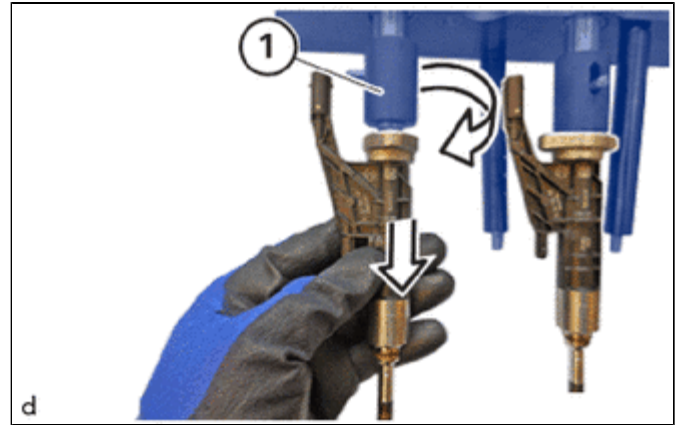
(af) Place the combination of the special tool 2 358 417 and the injectors (1) flat onto a clean table.

SST: 09200-WA520

(ag) Unlock the fixture lock (1) from the top.



(ah) Turn the unlocked fixture (1) by 90°.



(ai) Release and remove the injector downwards.

3. REMOVE FUEL INJECTOR ASSEMBLY (for Rear Side)

NOTICE:

- Contaminant or foreign body.

Contamination can result in malfunctions, operating failure or leaks.

- Adhere to the utmost cleanliness.

- Protect components from contamination e.g. by covering.
- Close off line connections with seal plugs.
- Damage to the ignition coil.

The silicone hose of the ignition coil must not be contaminated by fuel as this can lead to failure of the ignition coil.

- Cover ignition coils using suitable covers when working on the fuel system, if necessary remove them.
- Do not oil or grease the silicone tube of the spark plug connector. The silicone tube is coated with talc to reduce the pulling forces.

- Damage to the injector tips and Teflon ring.

Improper handling of the injector tips and Teflon ring can lead to malfunctioning of the injector.

- Avoid mechanical contact with injector tip.
- When exchanging Teflon ring, hands and work surface must be clean and free of oil. Do not use any lubricating agents.
- Do not use fingernails to slide Teflon ring on.

- Damage to injectors.

Excessive force may damage the injector and this means having to replace the injector.

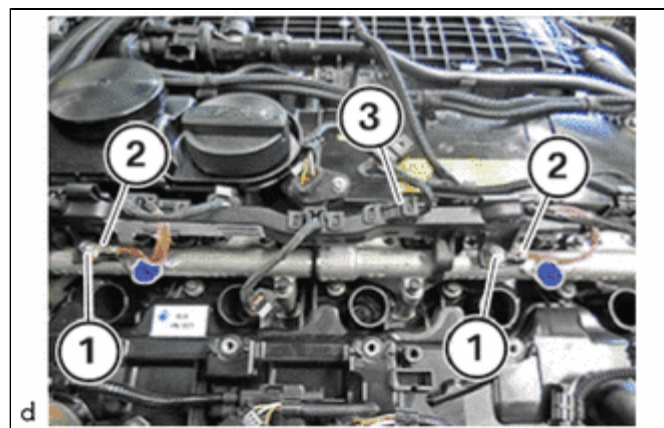
- Twist the injectors with a maximum torsional movement of 13 N*m (133 kgf*cm, 10 ft.*lbf).

- Electrostatic discharge.

Damage to or destruction of electrical components.

- Leave electrical components in original packaging until just before they are installed. Use the original packaging only for any return shipments. Always package removed components straight away.
- Read and comply with user information on using the associated special tool 12 7 060.
- Only touch the housings of electrical components. Do not touch pins or multi-pin connectors directly.
- Wear electrically conductive clothing and antistatic shoes (with ESD symbol).
- For additional information see: 61 35 Information on electrostatic discharge (ESD) protection.

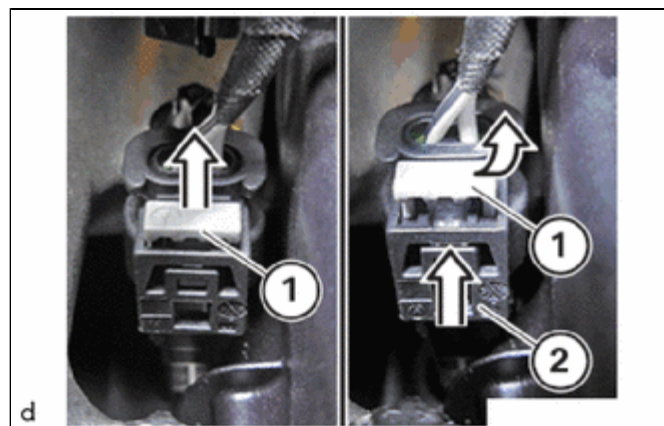
(a) Loosen nuts (1).



(b) Feed out ground cable (2) and set it aside.

(c) Feed out cable channel (3) and set it aside.

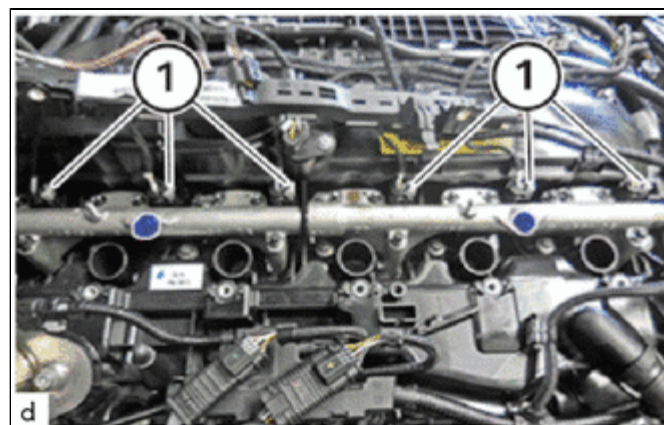
(d) Unlock lock (1) in direction of arrow from the top.



(e) Press the lock (1) together and release it in the direction of the arrow.

(f) Pull off the connector (2) from the injectors.

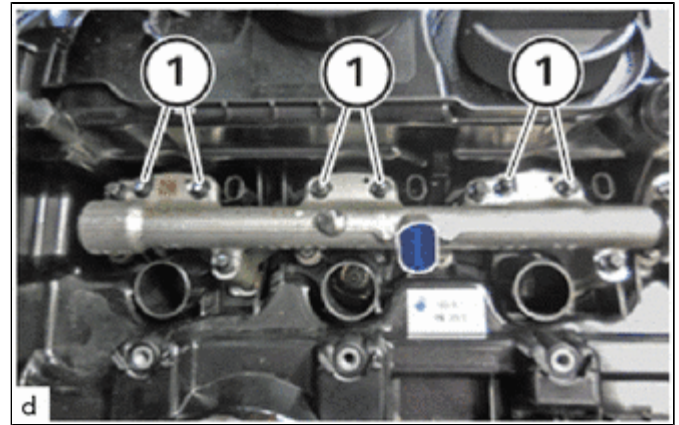
(g) Unlock all connectors (1) on injectors and detach.



(h) Release E6 bolts (1).

NOTICE:

Do not reuse the bolts (1).

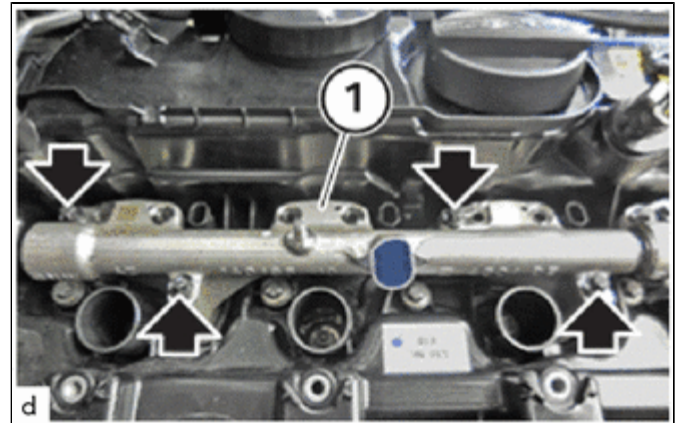


(i) Catch and dispose of escaping fuel with suitable materials.

(j) Unscrew the E8 bolts (arrows).

NOTICE:

Do not reuse the bolts.



(k) Remove the rail (1) in upward direction.

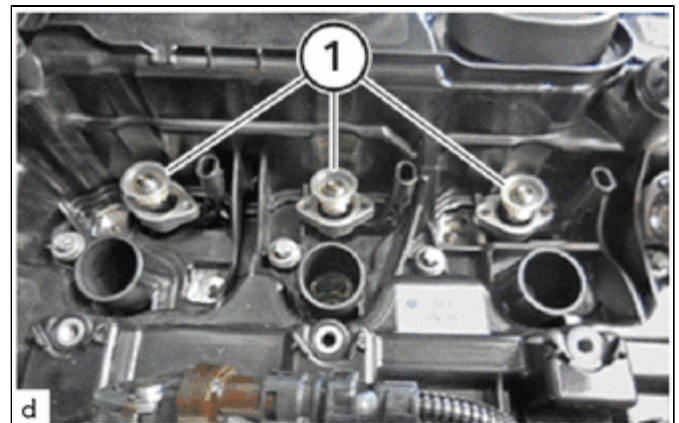
HINT:

The injectors remain in the cylinder head.

(l) Remove the gaskets (1).

HINT:

The seals (1) are required during first assembly within the plant only and will not be installed again.



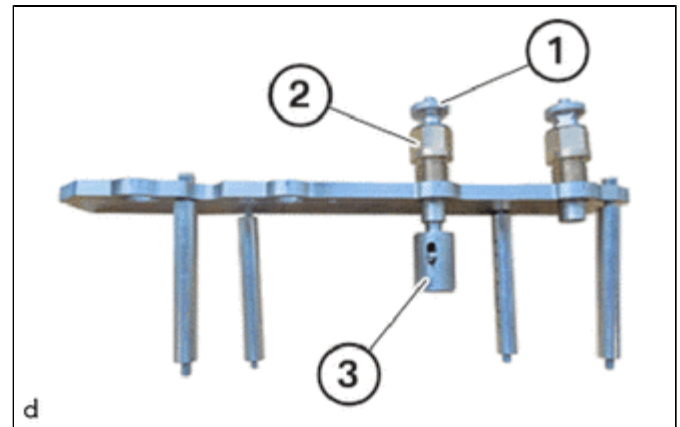
(m) If the specified value for the tensile force is exceeded:
Replace injectors.

NOTICE:

- Damage to injectors.

Excessive force may damage the injector and this means having to replace the injector.

- Twist the injectors with a maximum torsional movement of 13 N*m (133 kgf*cm, 10 ft.*lbf).



(n) Use the special tool 2 358 417 to remove the injectors.

SST: 09200-WA520

(1) The special tool 2 358 417 is used to ensure that the tensile force is not exceeded.

SST: 09200-WA520

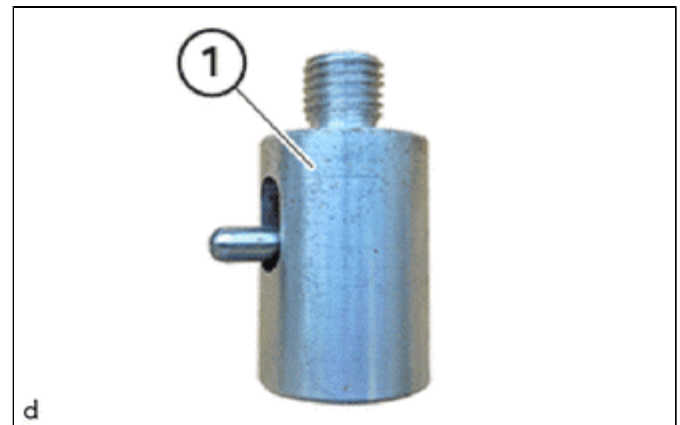
(2) The special tool 2 358 417 consists of:

SST: 09200-WA520

- (1) Threaded sleeves
- (2) Pull-out thread (left-hand thread)
- (3) Fixture for the injector

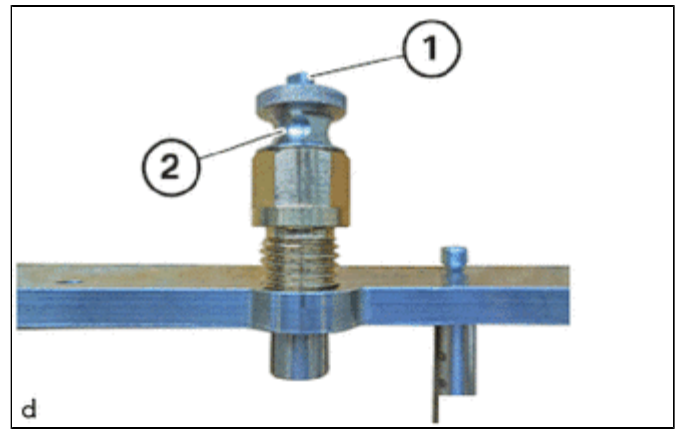
(o) Unscrew the fixture for the injectors (1) from the special tool 2 358 417.

SST: 09200-WA520



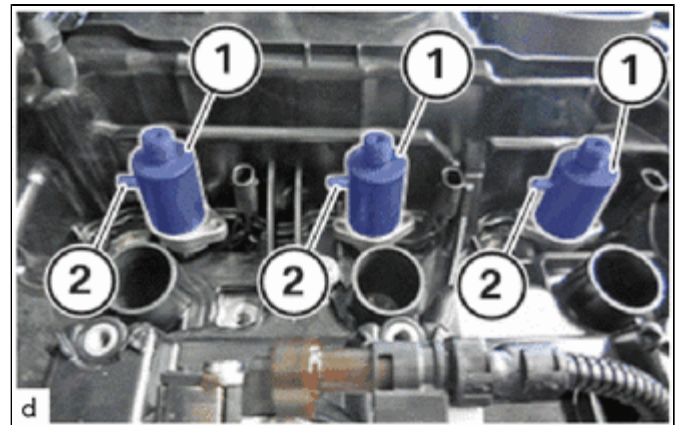
(p) Press the lock (1) in and remove threaded sleeve (2) from the special tool 2 358 417 .

SST: 09200-WA520

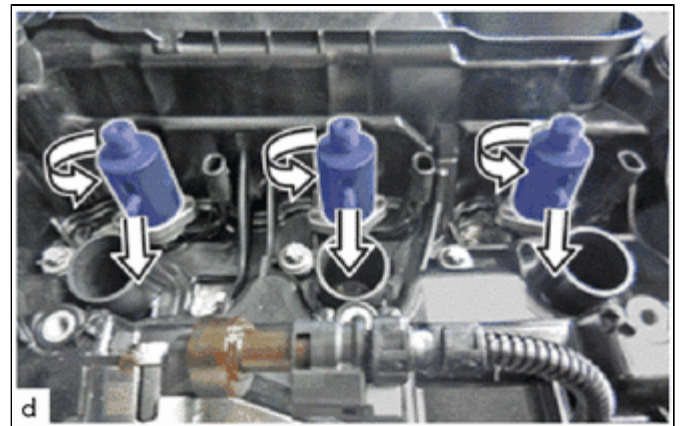


(q) Install all fixtures (1) for the injectors.

(1) The fixtures (1) are not locked when the levers (2) are up.

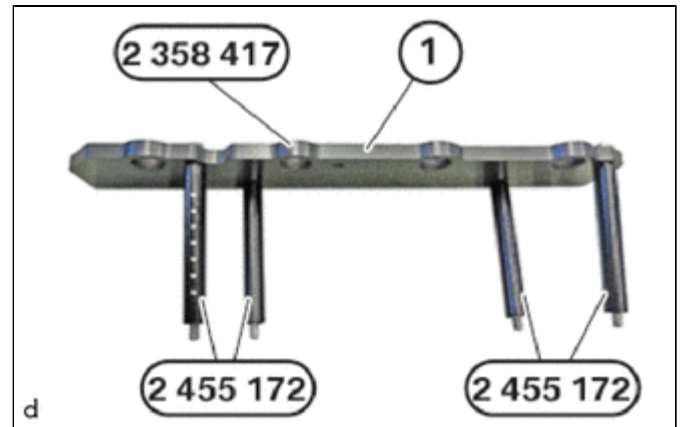


(r) Turn fixtures (1) by 90° and lock the lever (2) downwards.



(s) Prepare the panel (1) from the special tool 2 358 417 with the spacer sleeves 2 455 172 .

SST: 09200-WA520



(t) Attach special tool 2 358 417 to cylinder head.

SST: 09200-WA520

CAUTION:

- Damage to injectors.

Excessive force may damage the injector and this means having to replace the injector.

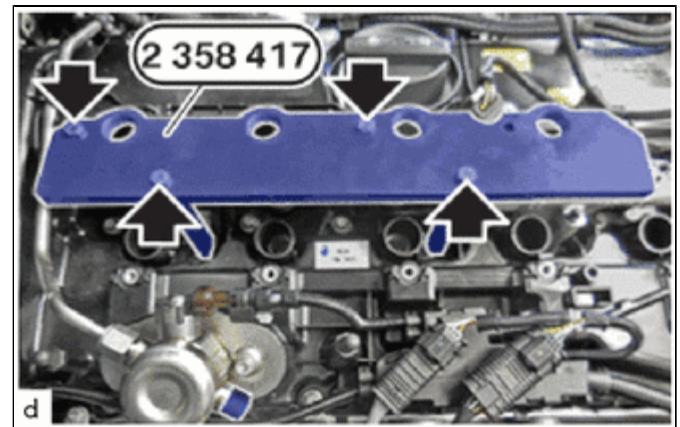
- Do not use the puller plate as a support.

NOTICE:

- Damage to injectors.

Excessive force may damage the injector and this means having to replace the injector.

- Do not use the puller plate as a support.



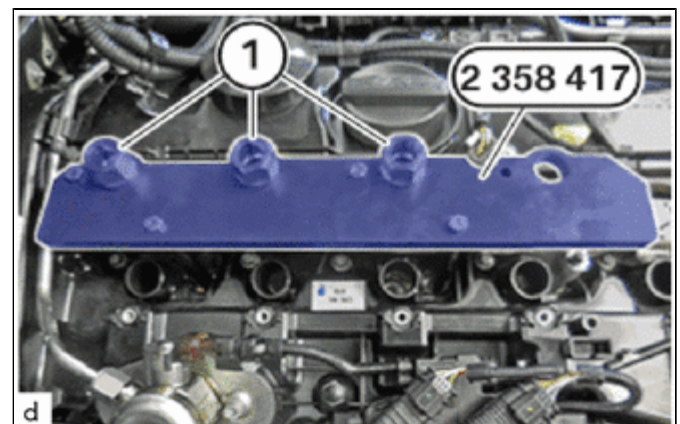
(u) Hand-tighten the bolts (arrows).

HINT:

The extraction thread is a left-hand thread.

(v) Screw in pull-out thread (1) on the special tool 2 358 417 fully.

SST: 09200-WA520



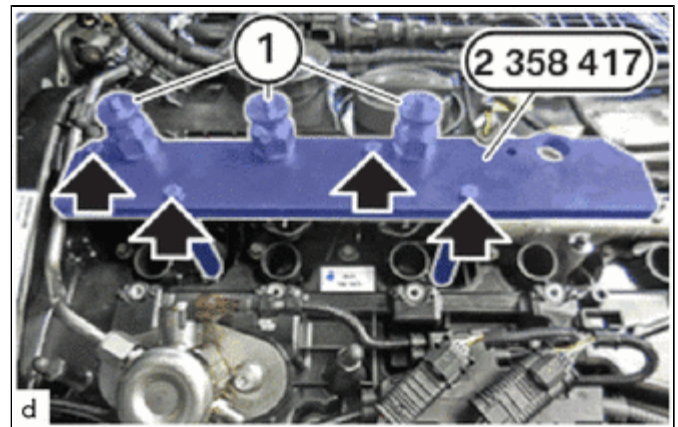
(w) Insert threaded sleeves (1) and screw the threaded sleeves completely onto the fixtures for the injectors.

(x) Tighten the screws (arrows) on the special tool 2 358 417.

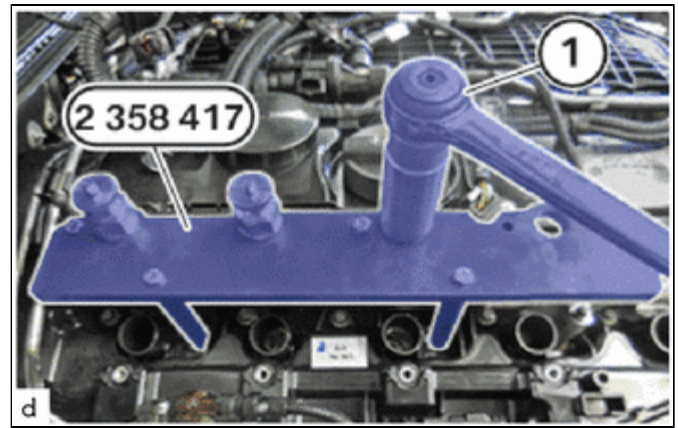
SST: 09200-WA520

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}



(y) Adjust the torque wrench to 13 N·m (133 kgf·cm, 10 ft.·lbf), clockwise rotation.



(z) Turn torque wrench (1) in clockwise direction with 24 mm deep socket wrench until the injector is pulled out.

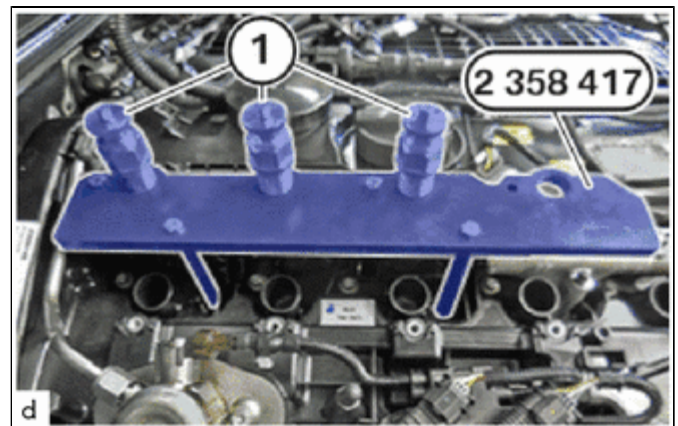
SST: 09200-WA180

(aa) Disassemble all injectors individually.

(ab) Before removing the special tool 2 358 417 with the injectors, check if all the injectors were completely pulled out of the cylinder head.

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(1) This can be recognised on the completely visible threads of the threaded sleeves (1).

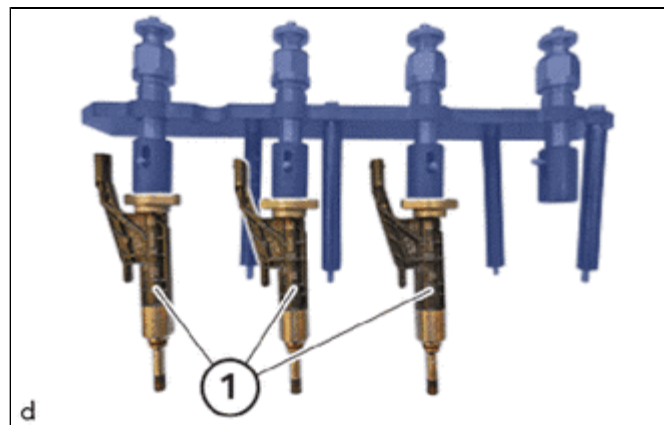


(ac) Loosen screws on special tool 2 358 417.

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(ad) Carefully remove the special tool 2 358 417 with the injectors (1) vertically straight up from the cylinder head.

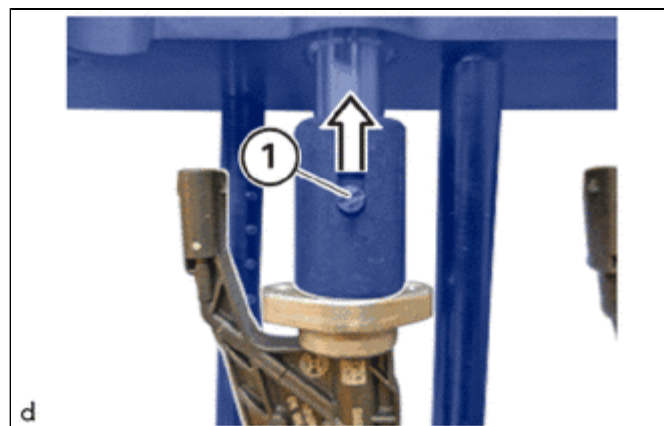
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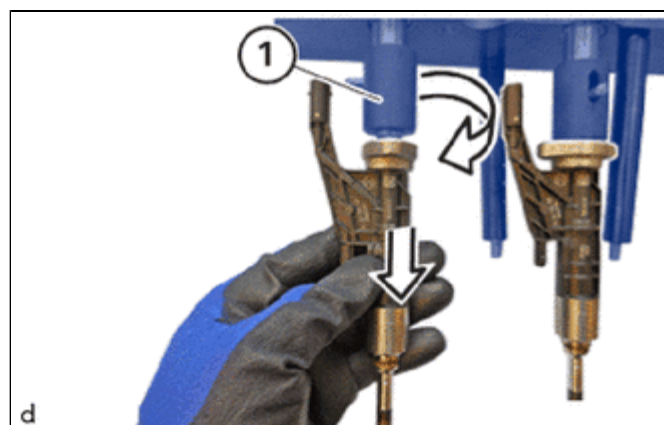
(ae) Place the combination of the special tool 2 358 417 and the injectors (1) flat onto a clean table.

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(af) Unlock the fixture lock (1) from the top.



(ag) Turn the unlocked fixture (1) by 90°.



(ah) Release and remove the injector downwards.

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5I
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL INJECTOR: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. REPLACE FUEL INJECTOR SEAL

NOTICE:

- Damage to the injector tips and Teflon ring.

Improper handling of the injector tips and Teflon ring can lead to malfunctioning of the injector.

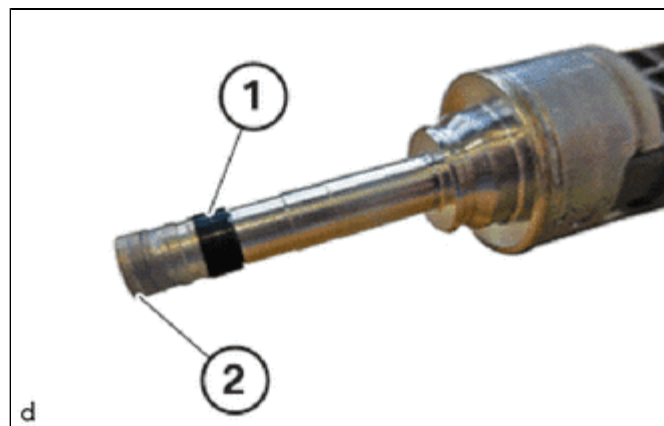
- Avoid mechanical contact with injector tip.
- When exchanging Teflon ring, hands and work surface must be clean and free of oil. Do not use any lubricating agents.
- Do not use fingernails to slide Teflon ring on.

HINT:

Before re-installing the injector, the Teflon ring must be replaced. Once a Teflon ring has been installed, it may not be re-used. New injectors are supplied with a new Teflon ring.

After the installation of a new Teflon ring on the injectors, the injector must be installed in the cylinder head within 10 minutes or protected with protective caps; otherwise, the Teflon ring will swell.

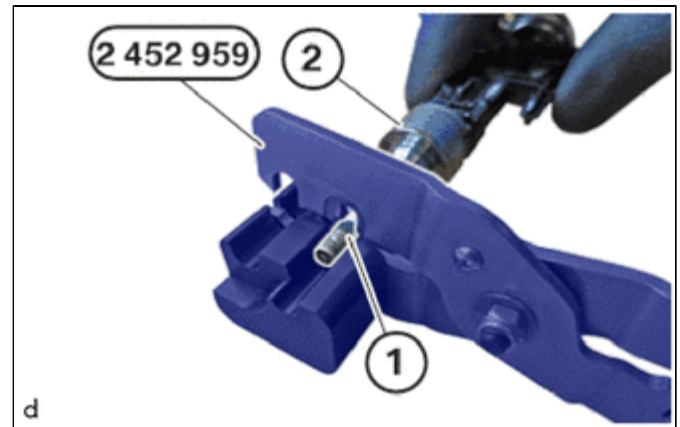
(a) Before installing the injectors: Replace the Teflon rings (1).



(b) Avoid mechanical contact with injector tip (2).

(c) Remove Teflon ring (1) by using special tool 2 452 959 from injector (2).

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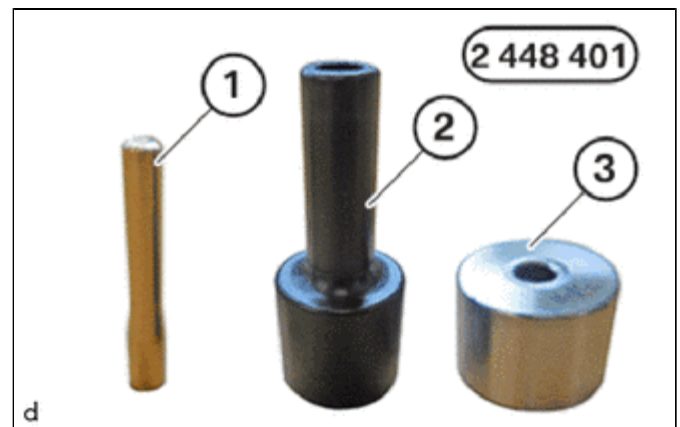


(d) If necessary, use a lint-free cloth to clean the cylindrical part of the injector tip. Do not use ultrasonic sound or other auxiliary materials.

(1) The injector tip must not be cleaned.

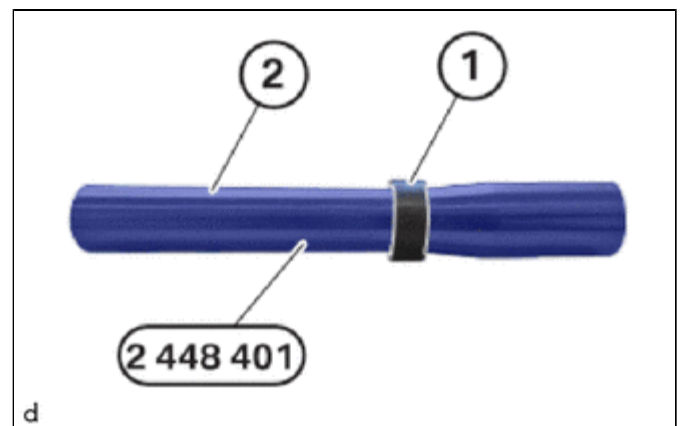
(e) For the installation of the new Teflon rings: Use the set of special tools 2 448 401:

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(f) Slide the new Teflon ring (1) onto the installation cone (2) from the set of special tools 2 448 401.

SST: 09902-WA010



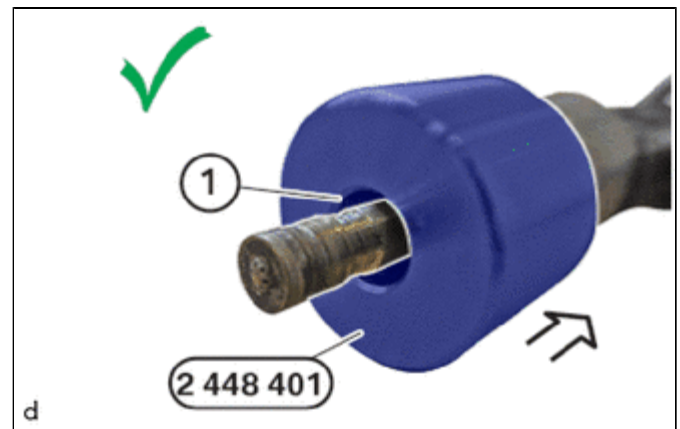
(g) Make sure that the installation position of the assembly

sleeve (1) from the set of special tools 2 448 401 is correct.

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HINT:

The larger diameter of the assembly sleeve (1) must point to the injector tip.

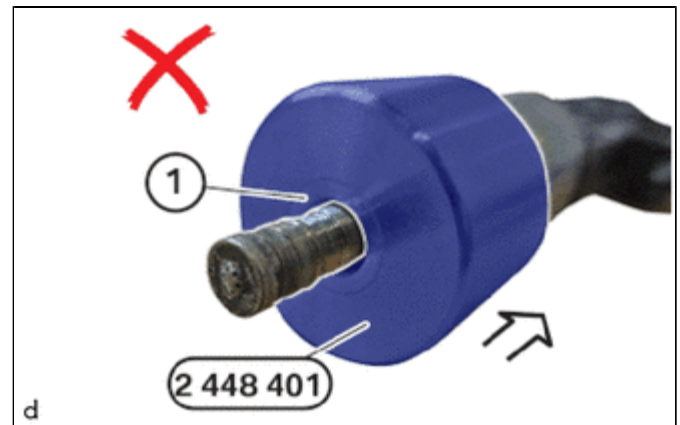


(h) Make sure that the installation position of the assembly sleeve (1) from the set of special tools 2 448 401 is correct.

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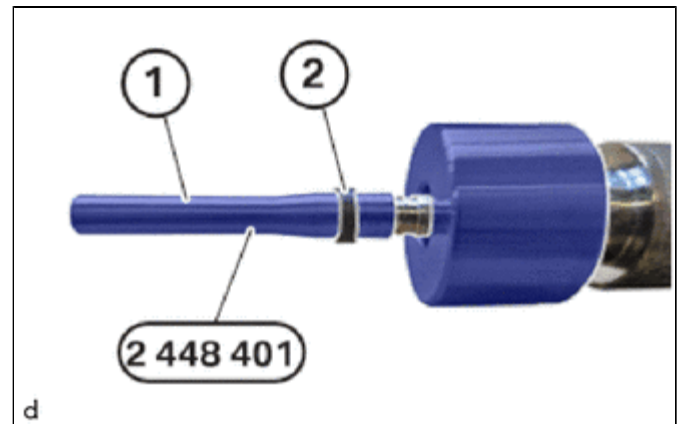
NOTICE:

The assembly sleeve (1) is not mounted correctly when the smaller diameter points to the injector tip.



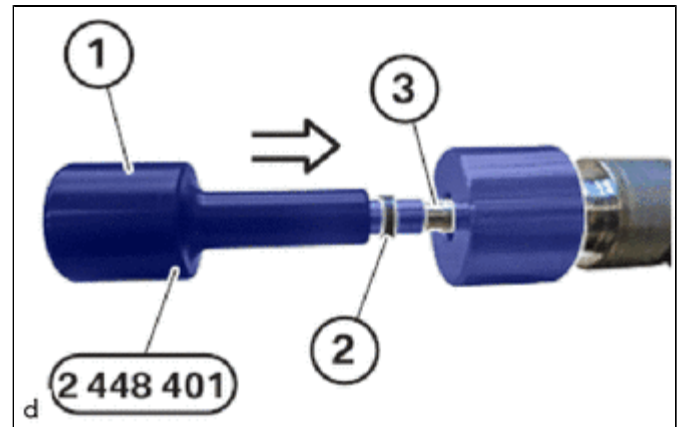
(i) Mount the Teflon ring (2) with the installation cone (1) from the set of special tools 2 448 401 on the injector tip.

SST: 09902-WA010



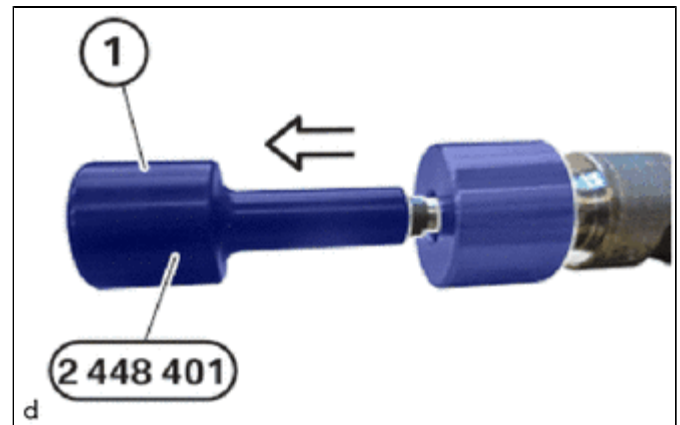
(j) Use the sliding sleeve (1) from the set of special tools 2 448 401 to push the Teflon ring (2) in to the groove (3) on the injector in the direction of arrow.

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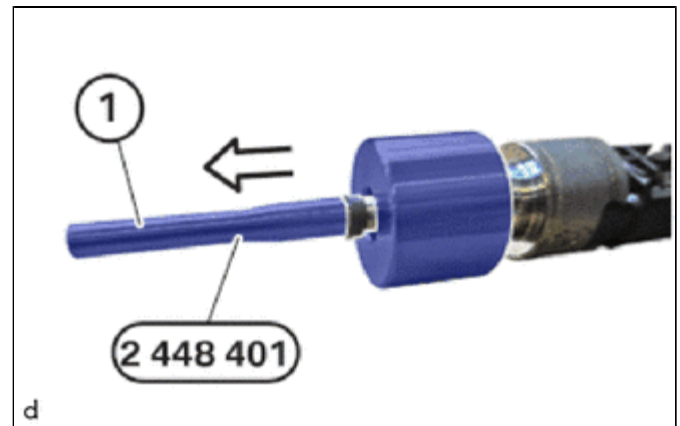
- (k) Thread out the sliding sleeve (1) from the set of special tools 2 448 401 in the direction of the arrow and remove.

SST: 09902-WA010

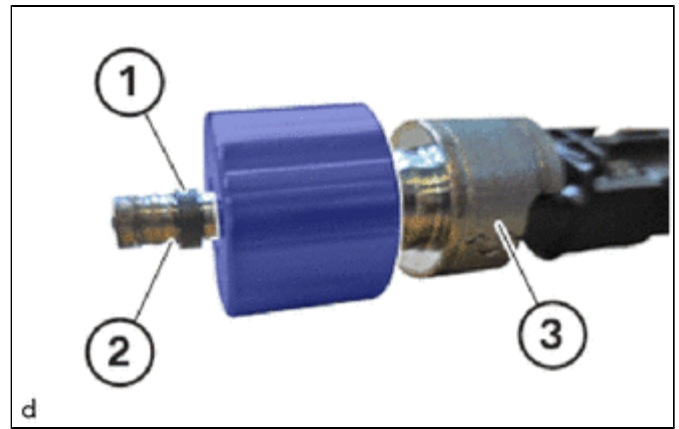


- (l) Thread out the installation cone (1) from the set of special tools 2 448 401 in the direction of the arrow and remove.

SST: 09902-WA010

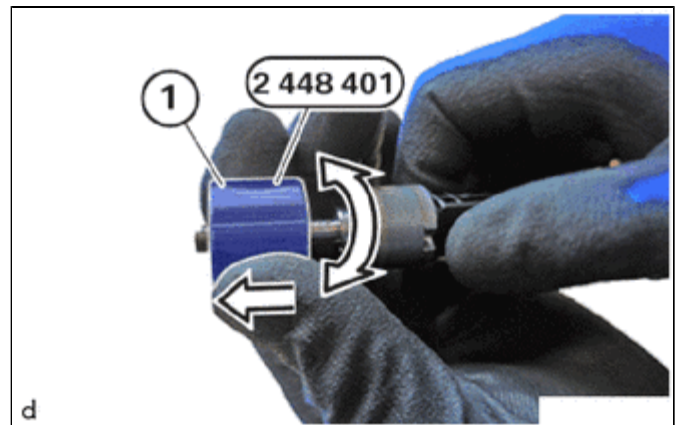


- (m) Make sure that the expanded Teflon ring (1) is properly inserted in the groove (2) of the injector (3) and can be moved easily with your fingers.



- (n) Calibrate the expanded Teflon ring with the assembly sleeve (1) from the set of special tools 2 448 401 to the installation dimension in the direction of the arrow.

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- (o) Perform rotational movements in increments of 180° in sync with the pull-off movement. Perform the movements slowly and not jerky.

HINT:

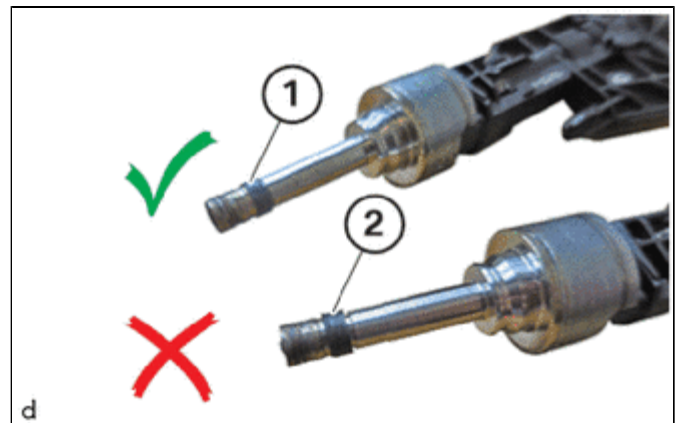
This calibrates the Teflon ring (1) to the installation dimension.

- (p) Thread out and remove the assembly sleeve (1).

- (q) Check for correct installation dimension of the Teflon ring (1).

HINT:

- indicates a correct installation dimension of the Teflon ring.
- indicates an incorrect installation dimension of the Teflon ring.



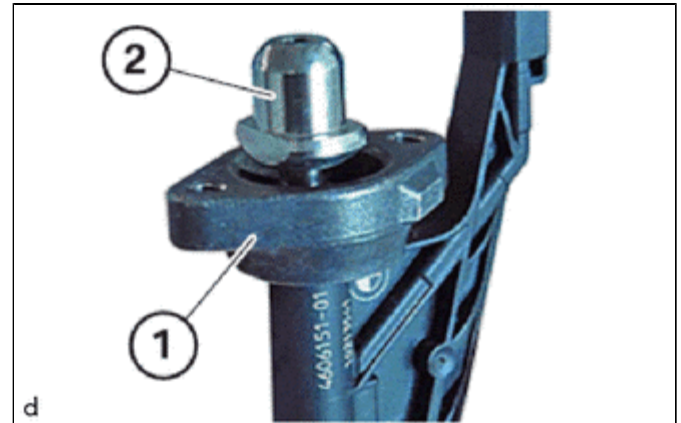
2. INSTALL FUEL INJECTOR ASSEMBLY (for Front Side)

NOTICE:

When assembling, it is essential to observe screwing sequences and tightening torques.

Non-observance of these requirements may result in leaks and damage.

- (a) Mount the holder (1) above the bayonet fitting (2) on the injector.

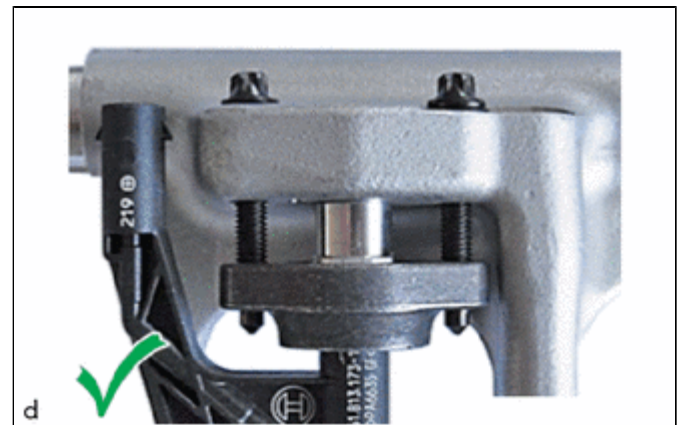


- (b) If the holder (1) has a cast lug: Make sure that the holder is installed in the correct position.

- (c) If applicable, note the position of the cast lug:

HINT:

The holder is mounted correctly when the cast lug is located at the rear.



- (d) If applicable, note the position of the cast lug:

HINT:

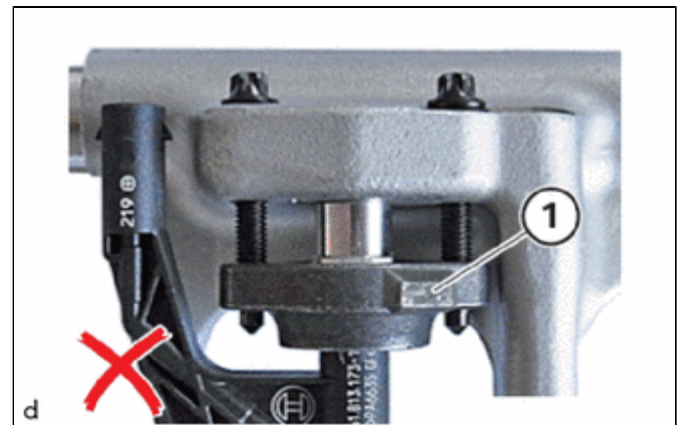
The holder is mounted incorrectly when the cast lug (1) is in front.

NOTICE:

- Damage to injectors.

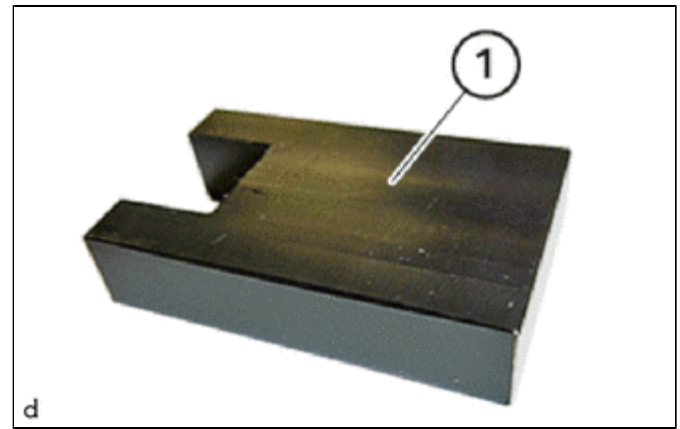
Weld seams on the injector may tear due to incorrect distances between the rail and injector so that the injector must be replaced.

- Insertion of the distance gauge is compulsory.
- Replace distance gauge, if a thickness of 8.5 mm is no longer given in the distance gauge.

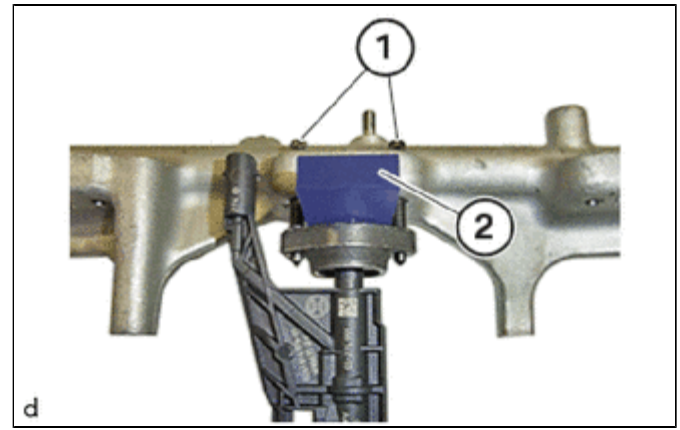


(e) Use the special tool (distance gauge) 2 358 022 (1).

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(f) Replace bolts.



(g) Mount the injectors with the holders and the bolts (1) on the rail.

(h) Keep the rail on a clean table in such a way that the openings on the rail for the injectors point upwards.

NOTICE:

The electrical injector connections must point to the fuel pressure sensor.

(i) Slide the special tool (distance gauge) 2 358 022 (2) between the holders and the rail onto the injector head.

SST: 09200-WA830

(j) Make sure that the special tool (distance gauge) 2 358 022 (2) rests flat on the retaining bridge.

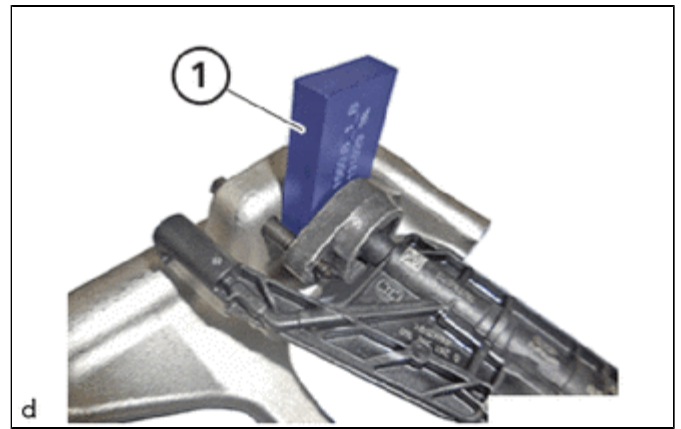
SST: 09200-WA830

(k) Tighten both screws (1) evenly by hand until the special tool (distance gauge) 2 358 022 (2) rests flat against the rail and the holder.

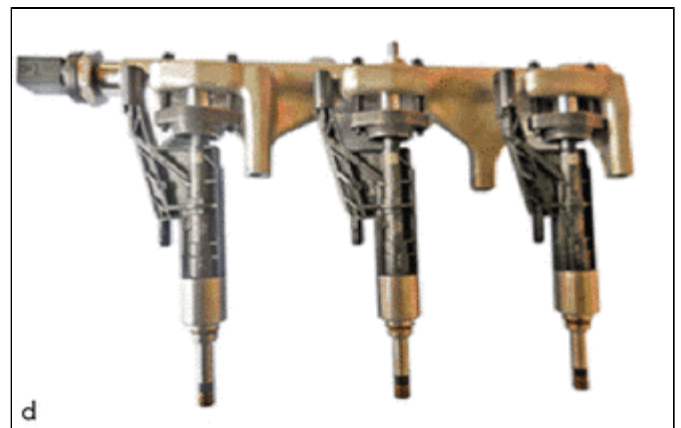
SST: 09200-WA830

(l) Remove the special tool (distance gauge) 2 358 022 (1).

SST: 09200-WA830



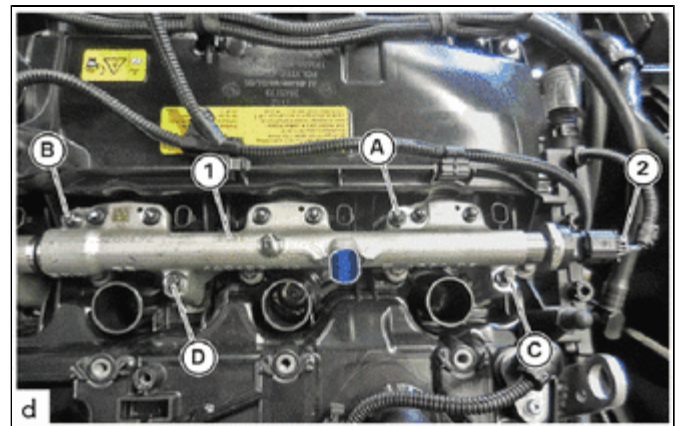
(m) Repeat this operation for all injectors.



(n) Check injectors for loose fit at the rail.

(o) Align the electrical injector connections parallel to the rail.

(1) The injectors must move freely.



(p) Replace screws (A) to (D).

(q) Attach the rail (1) with the injectors to the cylinder head from the top.

(r) Make sure the injector tips catch the corresponding holes for the injectors in the cylinder head.

(s) Make sure the guides on the injector are properly inserted into the guide bores in the cylinder head.

- (t) Press the rail (1) down until a resistance can be felt; join and hand-tighten the bolts (A) and (B).
- (u) Tighten the bolts (A) and (B) in alternating order by 180° each with the torque wrench until the rail is positioned flush on the cylinder head.
- (1) The figure shows the rail resting flat against the cylinder head.
- (v) Insert bolts (C) and (D).

HINT:

When assembling, it is essential to observe screwing sequences and tightening torques.

Non-observance of these requirements may result in leaks and damage.

- (w) Tighten E8 bolt (A).

Torque:

5.0 N·m { 51 kgf·cm, 44 in·lbf }

- (x) Tighten E8 bolt (D).

Torque:

5.0 N·m { 51 kgf·cm, 44 in·lbf }

- (y) Tighten E8 bolt (B).

Torque:

5.0 N·m { 51 kgf·cm, 44 in·lbf }

- (z) Tighten E8 bolt (C).

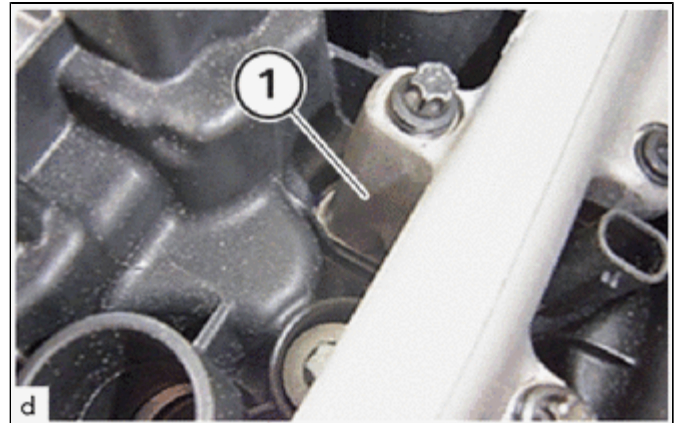
Torque:

5.0 N·m { 51 kgf·cm, 44 in·lbf }

- (aa) Connect and lock the connector (2).

- (1) The connector (2) must engage audibly.

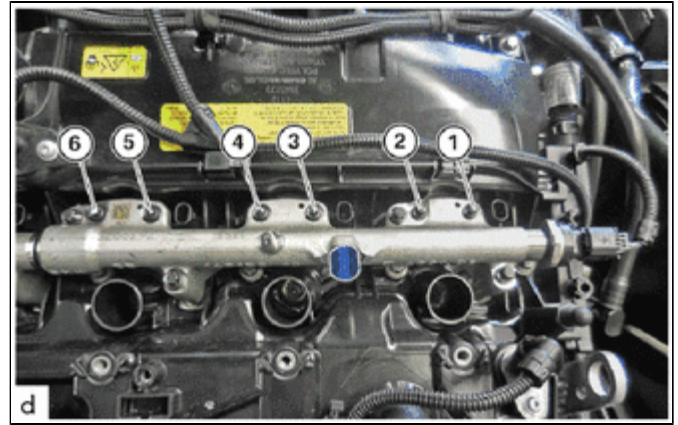
- (ab) Make sure that the rail (1) rests flat against the cylinder head.



- (ac) Attach a socket to an extension.

NOTICE:

Do not use a reversible ratchet or torque wrench.



(ad) Tighten the screws alternately in pairs ((1) with (2), (3) with (4), (5) with (6)) at 90° until hand-tight.

(ae) Set the torque wrench.

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

HINT:

When assembling, it is essential to observe screwing sequences and tightening torques.

Non-observance of these requirements may result in leaks and damage.

(af) Screw the E6 bolts according to the following plan:

(1) Fuel injector 1:

(2) Tighten E6 bolts (1) at an angle of rotation of 90° +/- 15° with the torque wrench.

(3) Tighten E6 bolts (2) at an angle of rotation of 90° +/- 15° with the torque wrench.

(4) Repeat the operations for E6 bolts (1) and (2) until both bolts reach a torque.

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

(5) Fuel injector 2:

(6) Tighten E6 bolts (3) at an angle of rotation of 90° +/- 15° with the torque wrench.

(7) Tighten E6 bolts (4) at an angle of rotation of 90° +/- 15° with the torque wrench.

(8) Repeat the operations for E6 bolts (3) and (4) until both bolts reach a torque.

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

(9) Injector 3:

(10) Tighten E6 bolts (5) at an angle of rotation of 90° +/- 15° with the torque wrench.

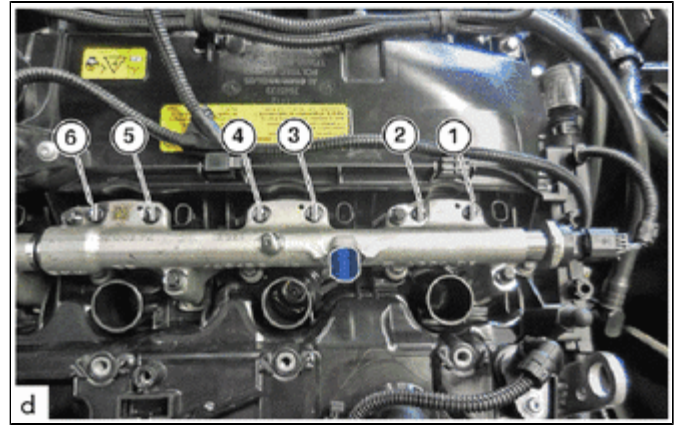
(11) Tighten E6 bolts (6) at an angle of rotation of 90° +/- 15° with the torque wrench.

(12) Repeat the operations for E6 bolts (5) and (6) until both bolts reach a torque.

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

(ag) Mark all bolts (1) to (6) with a vertical line (see figure).

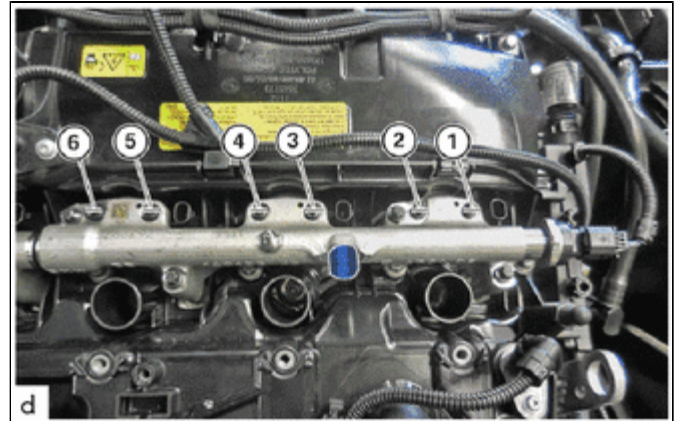


(ah) Tighten screws using an angle of rotation.

- (1) Tighten E6 bolts (1) at an angle of rotation of $90^\circ \pm 15^\circ$.
- (2) Tighten E6 bolts (2) at an angle of rotation of $90^\circ \pm 15^\circ$.
- (3) Tighten E6 bolts (3) at an angle of rotation of $90^\circ \pm 15^\circ$.
- (4) Tighten E6 bolts (4) at an angle of rotation of $90^\circ \pm 15^\circ$.
- (5) Tighten E6 bolts (5) at an angle of rotation of $90^\circ \pm 15^\circ$.
- (6) Tighten E6 bolts (6) at an angle of rotation of $90^\circ \pm 15^\circ$.

(ai) Check if all E6 bolts (1) to (6) have been tightened with a $90^\circ \pm 15^\circ$ angle of rotation.

- (1) All marks (lines) must be horizontal (see figure).



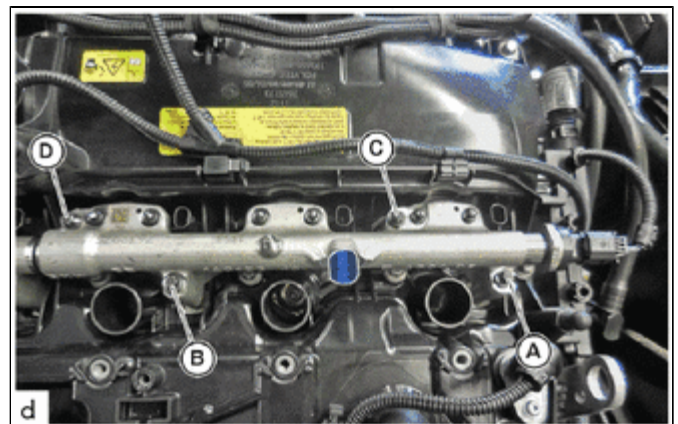
(aj) Unscrew the E8 bolts (A) to (D).

- (1) It is imperative that the bolts are unscrewed.

HINT:

When assembling, it is essential to observe screwing sequences and tightening torques.

Non-observance of these requirements may result in leaks and damage.



(ak) Tighten E8 bolts (A).

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

(al) Tighten E8 bolts (D).

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

(am) Tighten E8 bolts (B).

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

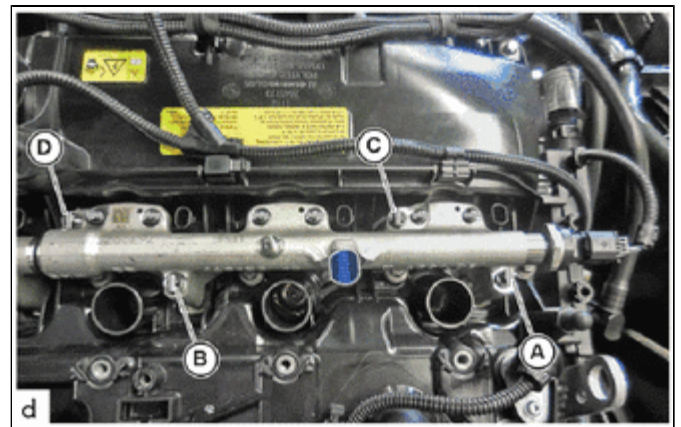
(an) Tighten E8 bolts (C).

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

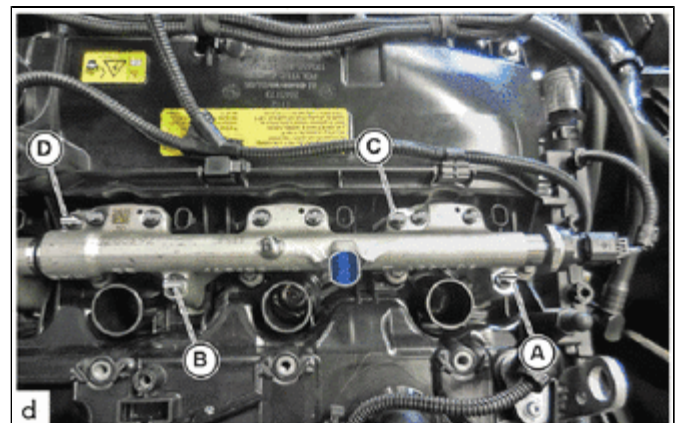
(ao) Mark all bolts (A) to (D) with a vertical line (see figure).

(ap) Tighten E8 bolts (A) to (D) to a 90° angle of rotation.



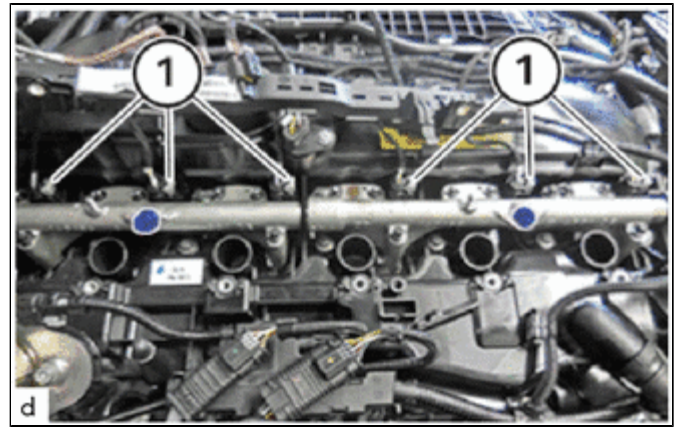
(aq) Check if all bolts (A) to (D) have been tightened with a 90° angle of rotation.

(1) All marks (lines) must be horizontal (see figure).

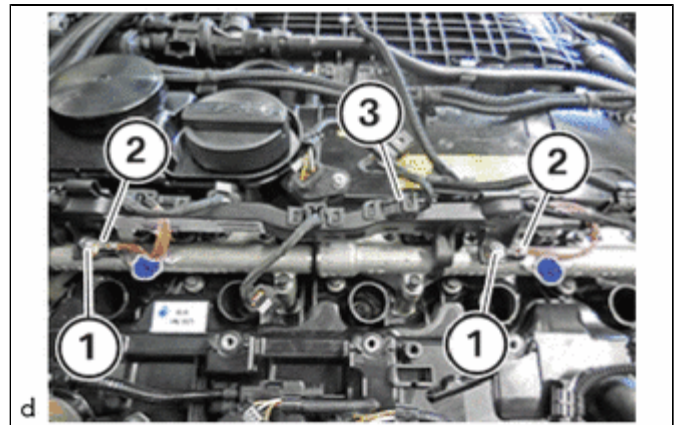


(ar) Connect and lock all connectors (1) to the injectors.

(1) All connectors (1) must engage audibly.



(as) Thread in cable channel (3) and install.



(at) Thread in ground cable (2) and install.

(au) Tighten nuts (1).

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

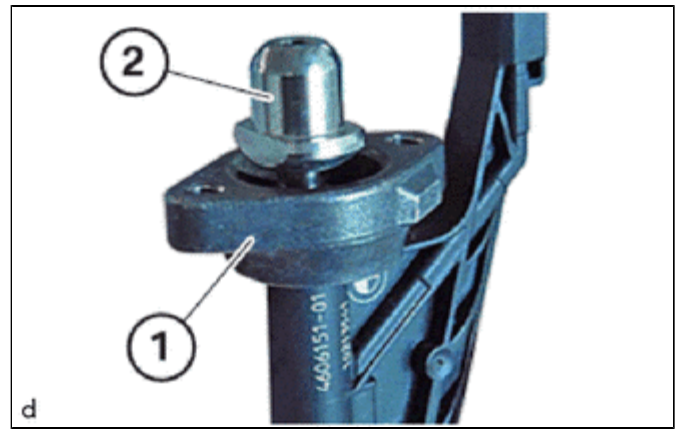
3. INSTALL FUEL INJECTOR ASSEMBLY (for Rear Side)

HINT:

When assembling, it is essential to observe screwing sequences and tightening torques.

Non-observance of these requirements may result in leaks and damage.

(a) Mount the holder (1) above the bayonet fitting (2) on the injector.

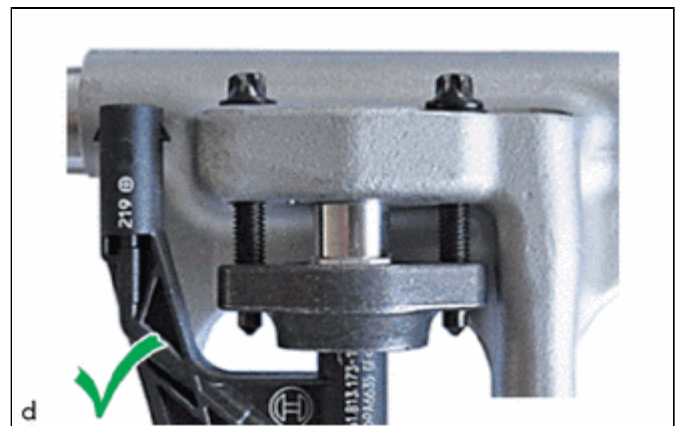


(b) If the holder(1) has a cast lug: Make sure that the holder is installed in the correct position.

(c) If applicable, note the position of the cast lug:

HINT:

The holder is mounted correctly when the cast lug is located at the rear.



(d) If applicable, note the position of the cast lug:

HINT:

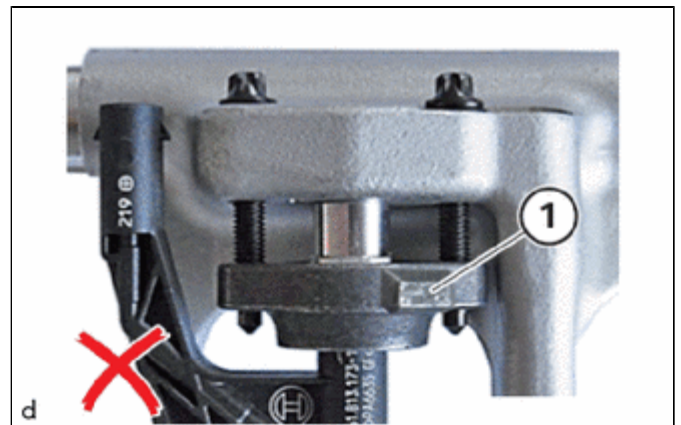
The holder is mounted incorrectly when the cast lug (1) is in front.

NOTICE:

- Damage to injectors.

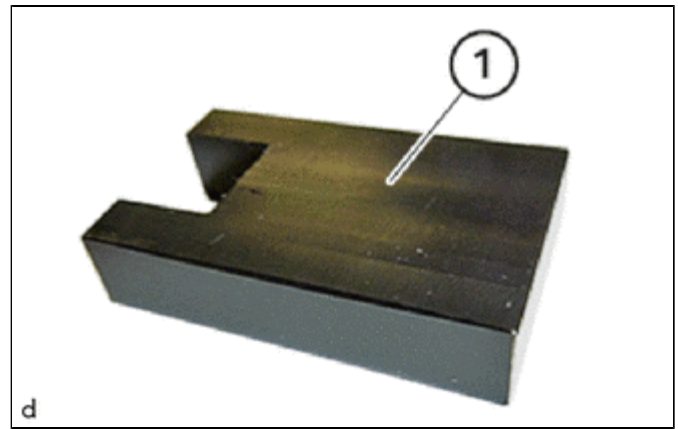
Weld seams on the injector may tear due to incorrect distances between the rail and injector so that the injector must be replaced.

- Insertion of the distance gauge is compulsory.
- Replace distance gauge, if a thickness of 8.5 mm is no longer given in the distance gauge.

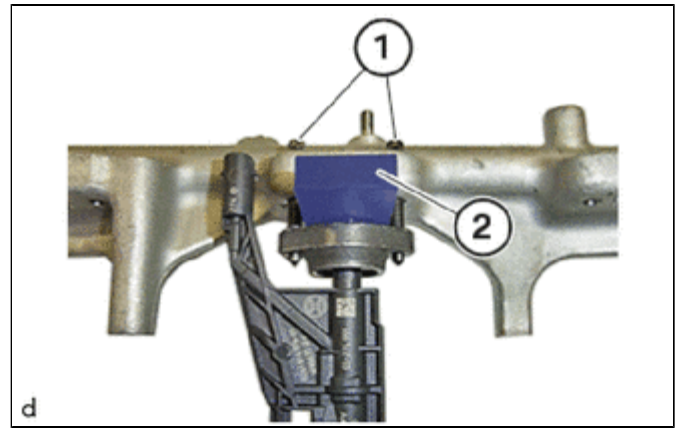


(e) Use the special tool (distance gauge) 2 358 022 (1).

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(f) Replace E6 bolts.



(g) Mount the injectors with the holders and the bolts (1) on the rail.

(h) Keep the rail on a clean table in such a way that the openings on the rail for the injectors point upwards.

NOTICE:

The electrical injector connections must point to the fuel pressure sensor.

(i) Slide the special tool (distance gauge) 2 358 022 (2) between the holders and the rail onto the injector head.

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(j) Make sure that the special tool (distance gauge) 2 358 022 (2) rests flat on the retaining bridge.

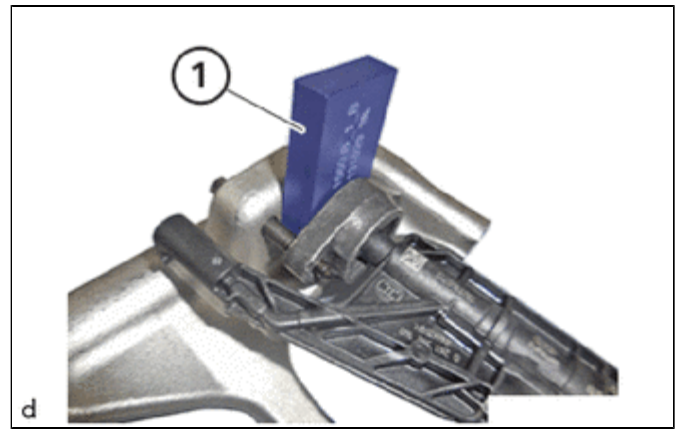
SST: 09200-WA830

(k) Hand-tighten both bolts (1) evenly until the special tool (distance gauge) 2 358 022 (2) rests flat against the rail and the holder.

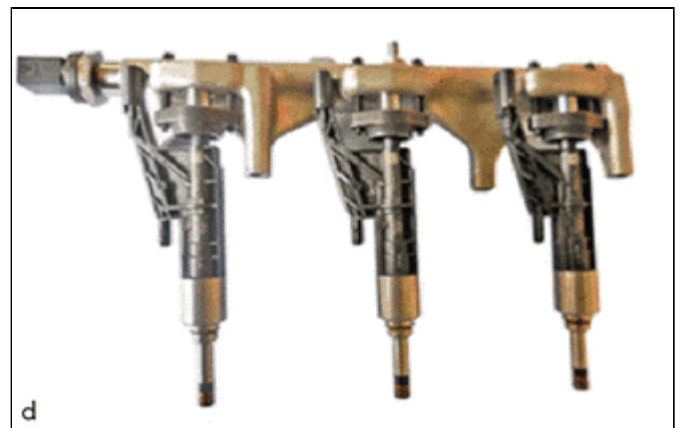
SST: 09200-WA830

(l) Remove the special tool (distance gauge) 2 358 022 (1).

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(m) Repeat this operation for all injectors.

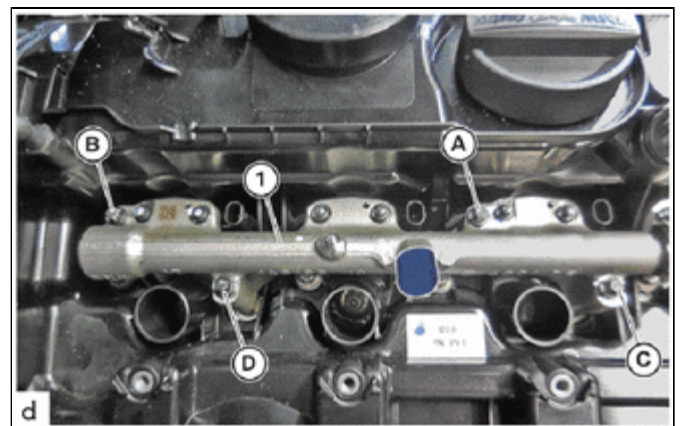


(n) Check injectors for loose fit at the rail.

(o) Align the electrical injector connections parallel to the rail.

HINT:

The injectors must move freely.



(p) Replace bolts (A) to (D).

(q) Attach the rail (1) with the injectors to the cylinder head from the top.

(r) Make sure the injector tips catch the corresponding bore holes in the cylinder head.

(s) Make sure the guides on the injector are properly inserted into the guide bores in the cylinder head.

(t) Press the rail (1) down until a resistance can be felt; join and hand-tighten the bolts (A) and (B).

(u) Set the torque wrench.

Torque:

2.0 N·m {20 kgf·cm, 1 ft·lbf}

(v) Tighten the bolts (A) and (B) in alternating order by 180° each with the torque wrench until the rail is positioned flush on the cylinder head.

HINT:

The figure shows the rail resting flat against the cylinder head.

(w) Insert bolts (C) and (D).

HINT:

When assembling, it is essential to observe screwing sequences and tightening torques

Non-observance of these requirements may result in leaks and damage.

(x) Tighten E8 bolt (A).

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

(y) Tighten E8 bolt (D).

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

(z) Tighten E8 bolt (B).

Torque:

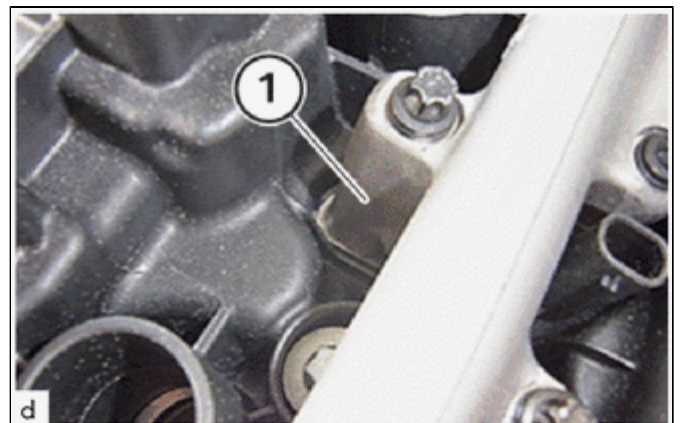
5.0 N·m {51 kgf·cm, 44 in·lbf}

(aa) Tighten E8 bolt (C).

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

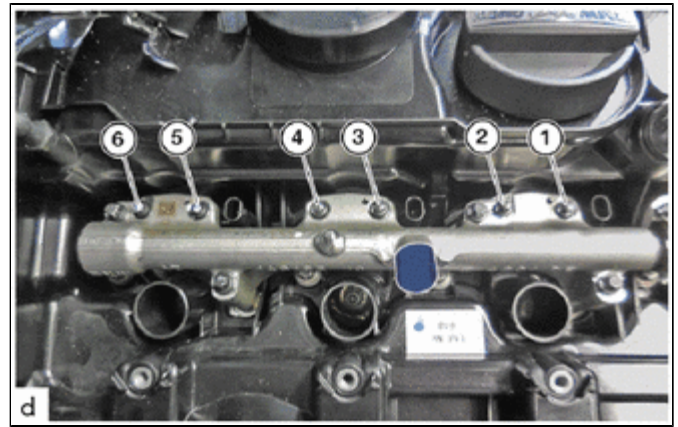
(ab) Make sure that the rail (1) rests flat against the cylinder head.



(ac) Attach a socket to an extension.

NOTICE:

Do not use a reversible ratchet or torque wrench.



(ad) Tighten the E6 bolts in pairs ((1) with (2), (3) with (4), (5) with (6)) in alternating order 90° hand-tight.

(ae) Set the torque wrench.

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

HINT:

When assembling, it is essential to observe screwing sequences and tightening torques.

Non-observance of these requirements may result in leaks and damage.

(af) Screw the bolts according to the following plan:

(1) Fuel injector 4:

(2) Tighten E6 bolt (1) at an angle of rotation of 90° +/- 15° with the torque wrench.

(3) Tighten E6 bolt (2) at an angle of rotation of 90° +/- 15° with the torque wrench.

(4) Repeat the operations for bolts (1) and (2) until both bolts reach a torque.

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

(5) Fuel injector 5:

(6) Tighten E6 bolt (3) at an angle of rotation of 90° +/- 15° with the torque wrench.

(7) Tighten E6 bolt (4) at an angle of rotation of 90° +/- 15° with the torque wrench.

(8) Repeat the operations for bolts (3) and (4) until both bolts reach a torque.

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

(9) Fuel injector 6:

(10) Tighten E6 bolt (5) at an angle of rotation of 90° +/- 15° with the torque wrench.

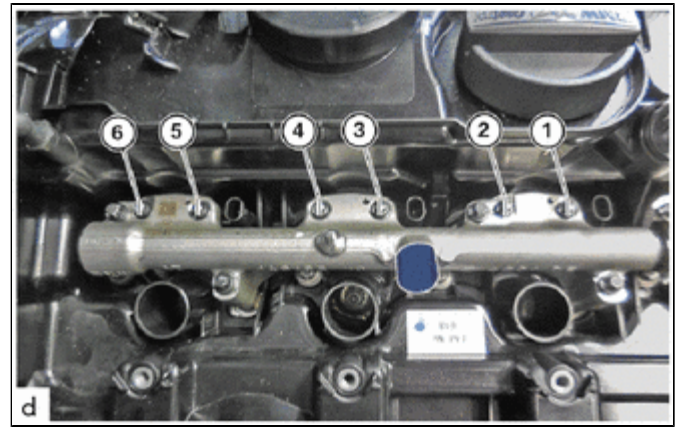
(11) Tighten E6 bolt (6) at an angle of rotation of 90° +/- 15° with the torque wrench.

(12) Repeat the operations for bolts (5) and (6) until both bolts reach a torque.

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

(ag) Mark all bolts (1) to (6) with a vertical line (see figure).

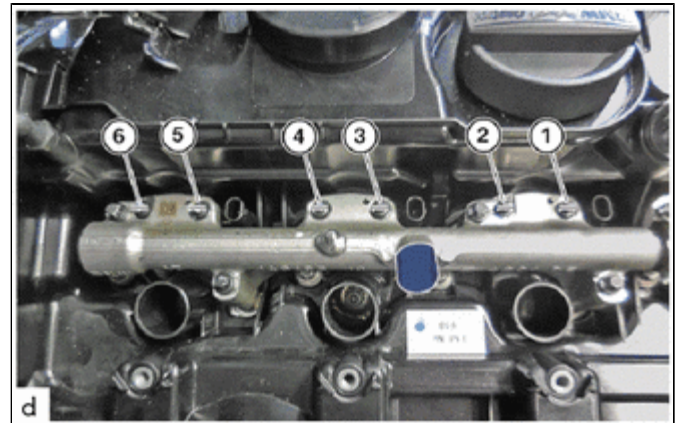


(ah) Tighten screws using an angle of rotation.

- (1) Tighten the E6 bolt (1) with an angle of rotation of $90^\circ \pm 15^\circ$.
- (2) Tighten the E6 bolt (2) with an angle of rotation of $90^\circ \pm 15^\circ$.
- (3) Tighten the E6 bolt (3) with an angle of rotation of $90^\circ \pm 15^\circ$.
- (4) Tighten the E6 bolt (4) with an angle of rotation of $90^\circ \pm 15^\circ$.
- (5) Tighten the E6 bolt (5) with an angle of rotation of $90^\circ \pm 15^\circ$.
- (6) Tighten the E6 bolt (6) with an angle of rotation of $90^\circ \pm 15^\circ$.

(ai) Check if all screws (1) to (6) have been tightened with a $90^\circ \pm 15^\circ$ angle of rotation.

- (1) All marks (lines) must be horizontal (see figure).



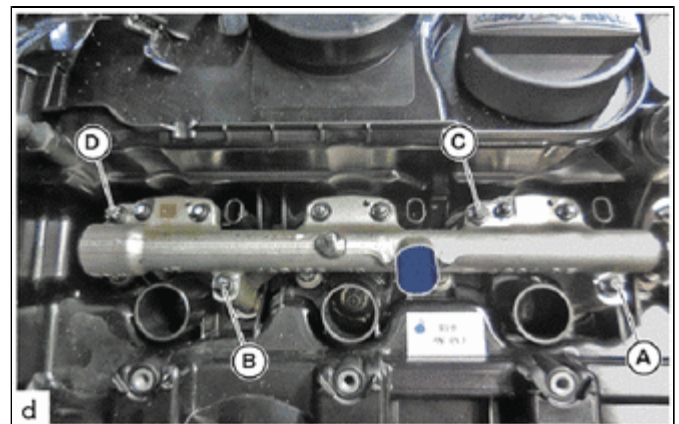
(aj) Unscrew the E8 bolts (A) to (D).

- (1) It is imperative that the bolts are unscrewed.

HINT:

When assembling, it is essential to observe screwing sequences and tightening torques.

Non-observance of these requirements may result in leaks and damage.



(ak) Tighten E8 bolt (A).

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

(al) Tighten E8 bolt (D).

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

(am) Tighten E8 bolt (B).

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

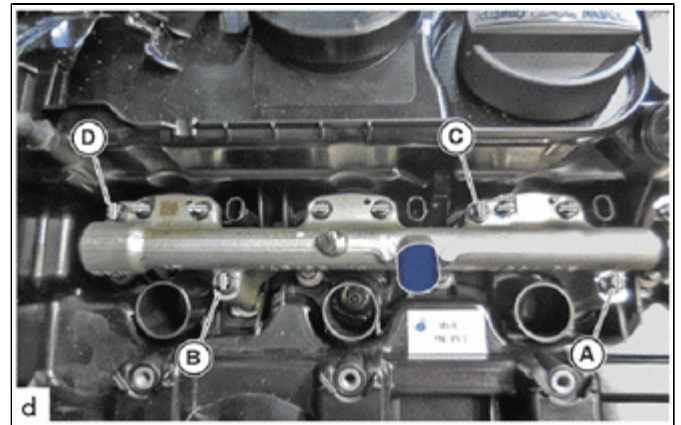
(an) Tighten E8 bolt (C).

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

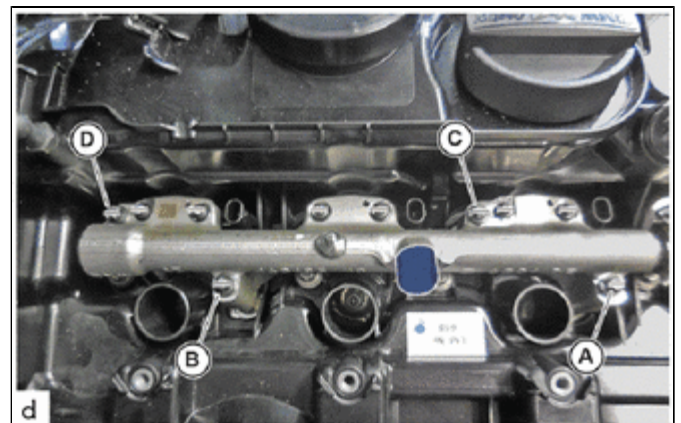
(ao) Mark all bolts (A) to (D) with a vertical line (see figure).

(ap) Tighten bolts (A) to (D) to a 90° angle of rotation.



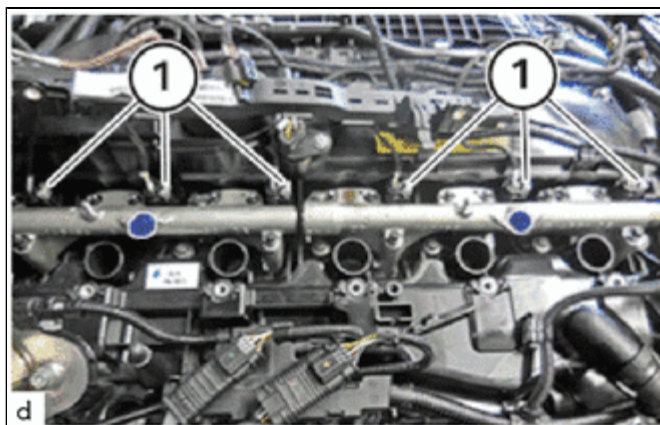
(aq) Check if all bolts (A) to (D) have been tightened with a 90° angle of rotation.

(1) All marks (lines) must be horizontal (see figure).

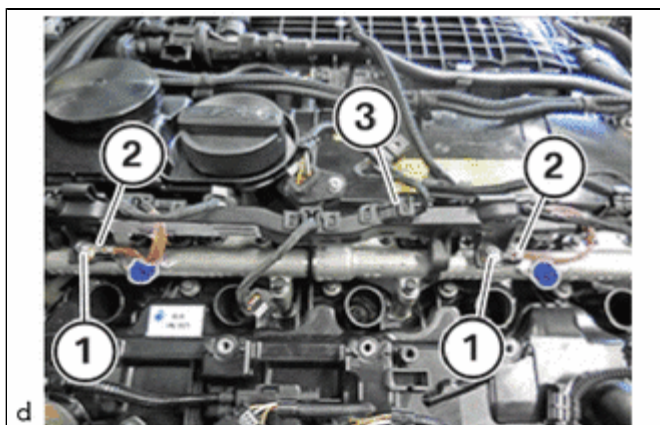


(ar) Connect and lock all connectors (1) to the injectors.

(1) All connectors (1) must engage audibly.



(as) Thread in cable channel (3) and install.



(at) Thread in ground cable (2) and install.

(au) Tighten nuts (1).

Torque:

5.0 N·m {51 kgf·cm, 44 in·lbf}

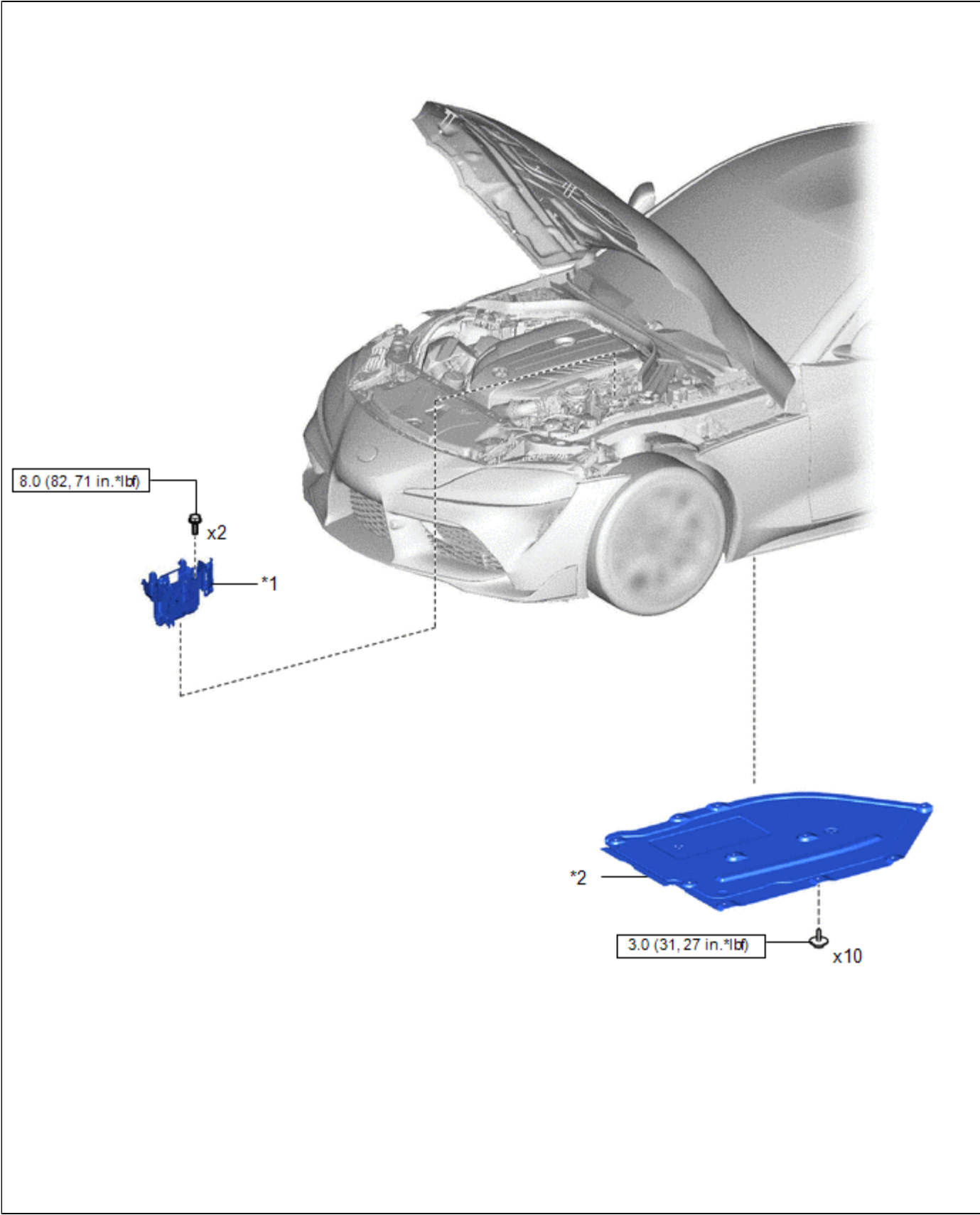
4. INSTALL NO. 1 FUEL PIPE SUB-ASSEMBLY

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD6G
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL MAIN TUBE (for Front): COMPONENTS; 2020 MY Supra [03/2019 -]		

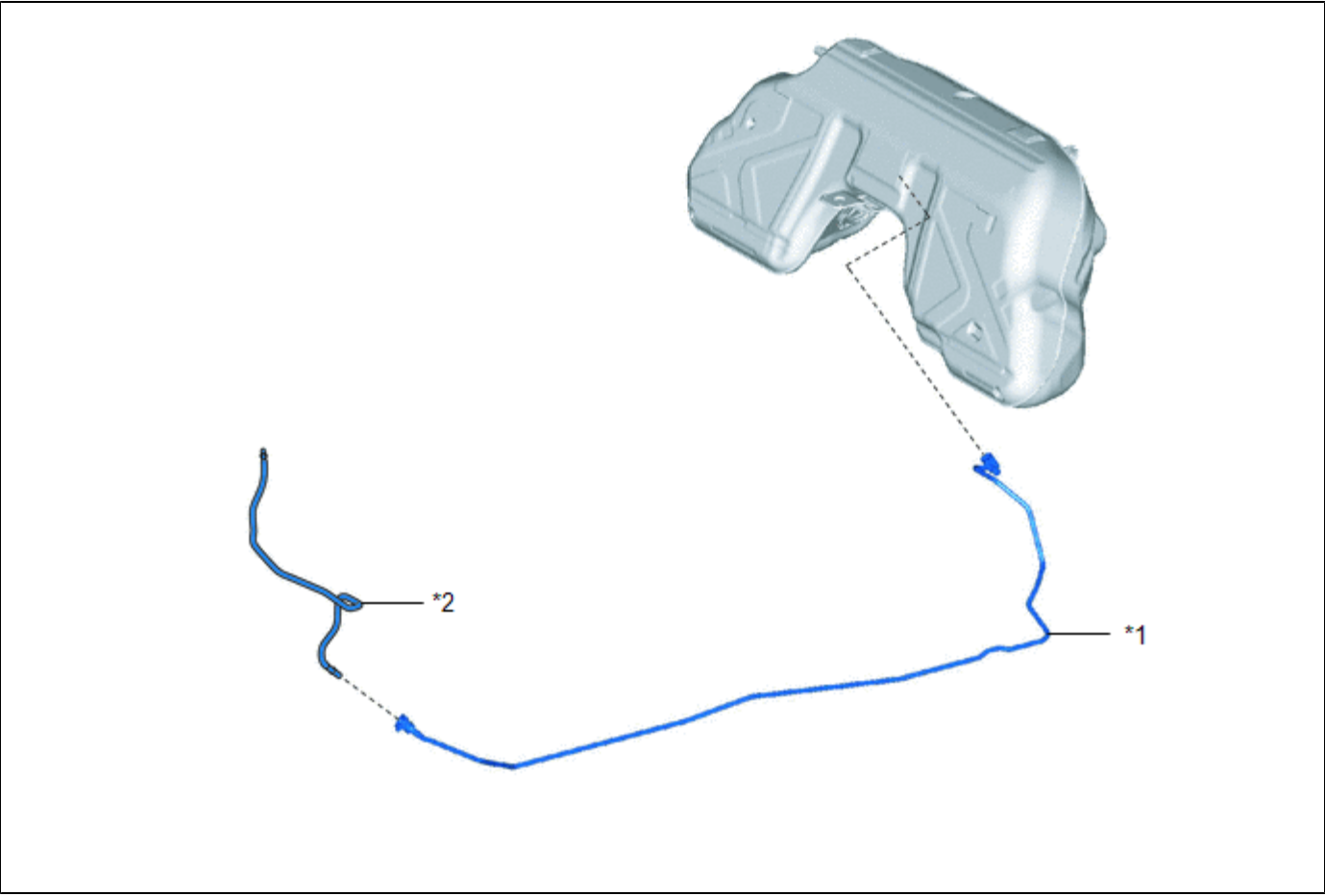
COMPONENTS

ILLUSTRATION



*1	ENGINE ROOM ECM BOX	*2	FRONT FLOOR COVER
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

ILLUSTRATION



*1	NO. 1 FUEL MAIN TUBE	*2	NO. 2 FUEL MAIN TUBE
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Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD6H
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL MAIN TUBE (for Front): REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

PROCEDURE

1. REMOVE NO. 1 INTEGRATION RELAY

Click here [INFO](#)

2. REMOVE ENGINE ROOM ECM BOX

Click here [INFO](#)

3. REMOVE FRONT FLOOR COVER

Click here [INFO](#)

4. REMOVE NO.2 FUEL MAIN TUBE

CAUTION:

Working on fuel system.

Risk of fire! Danger of explosion!

- When working on the fuel system, make sure that the workbay is sufficiently ventilated, e.g. using extraction unit.
- Tightly seal off open lines and connections; collect any escaping fuel directly at the point of exit.
- No fire, sparks, open flames or smoking.

CAUTION:

On releasing high pressure line, fuel may emerge at high speed.

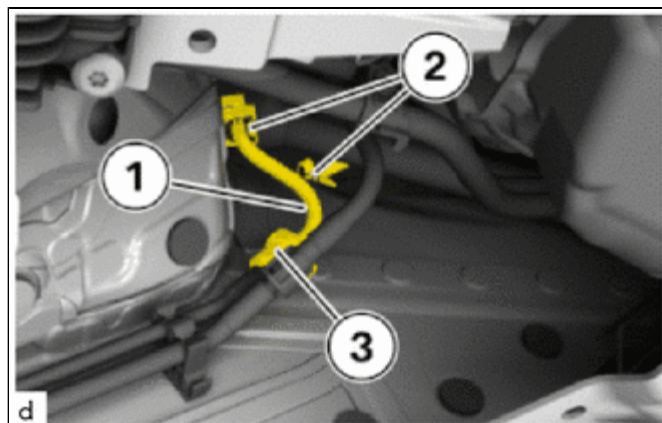
Danger of injury!

- Wear suitable personal protective equipment.
- Allow the cooling system to cool down to a temperature below 40°C before starting installation work.
- Note warnings on cylinder head cover.

HINT:

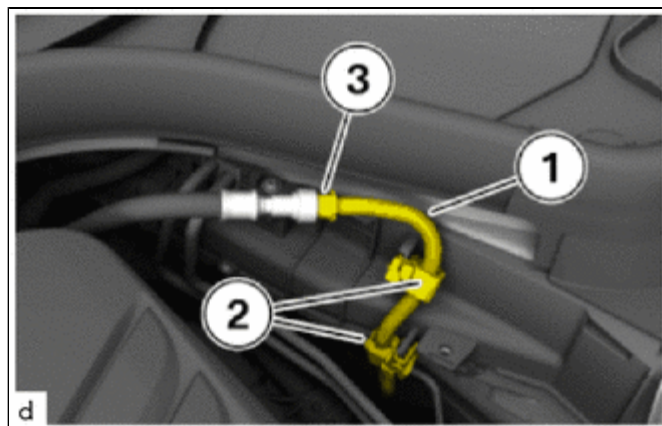
Collect and dispose of emerging fluids. Observe country-specific waste disposal regulations.

(a) Unclip No.2 fuel main tube (1) from the holders (2).



(b) Unlock snap fastener (3) and pull off No.2 fuel main tube.

(c) Unclip front fuel feed line (1) from the holders (2).



(d) Unlock snap fastener (3) and pull off No.2 fuel main tube (2).

(e) Remove No.2 fuel main tube (1).

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD6I
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL MAIN TUBE (for Front): INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL NO.2 FUEL MAIN TUBE

- (a) Install the No.2 fuel main tube.
- (b) Connect No.2 fuel main tube and lock snap fastener.
 - (1) Snap fastener must engage audibly.
- (c) Clip the No.2 fuel main tube into the holder.
- (d) Connect No.2 fuel main tube and lock snap fastener.
 - (1) Snap fastener must engage audibly.
- (e) Clip the No.2 fuel main tube into the holder.

2. INSTALL FRONT FLOOR COVER

Click here [INFO](#)

3. INSTALL ENGINE ROOM ECM BOX

Click here [INFO](#)

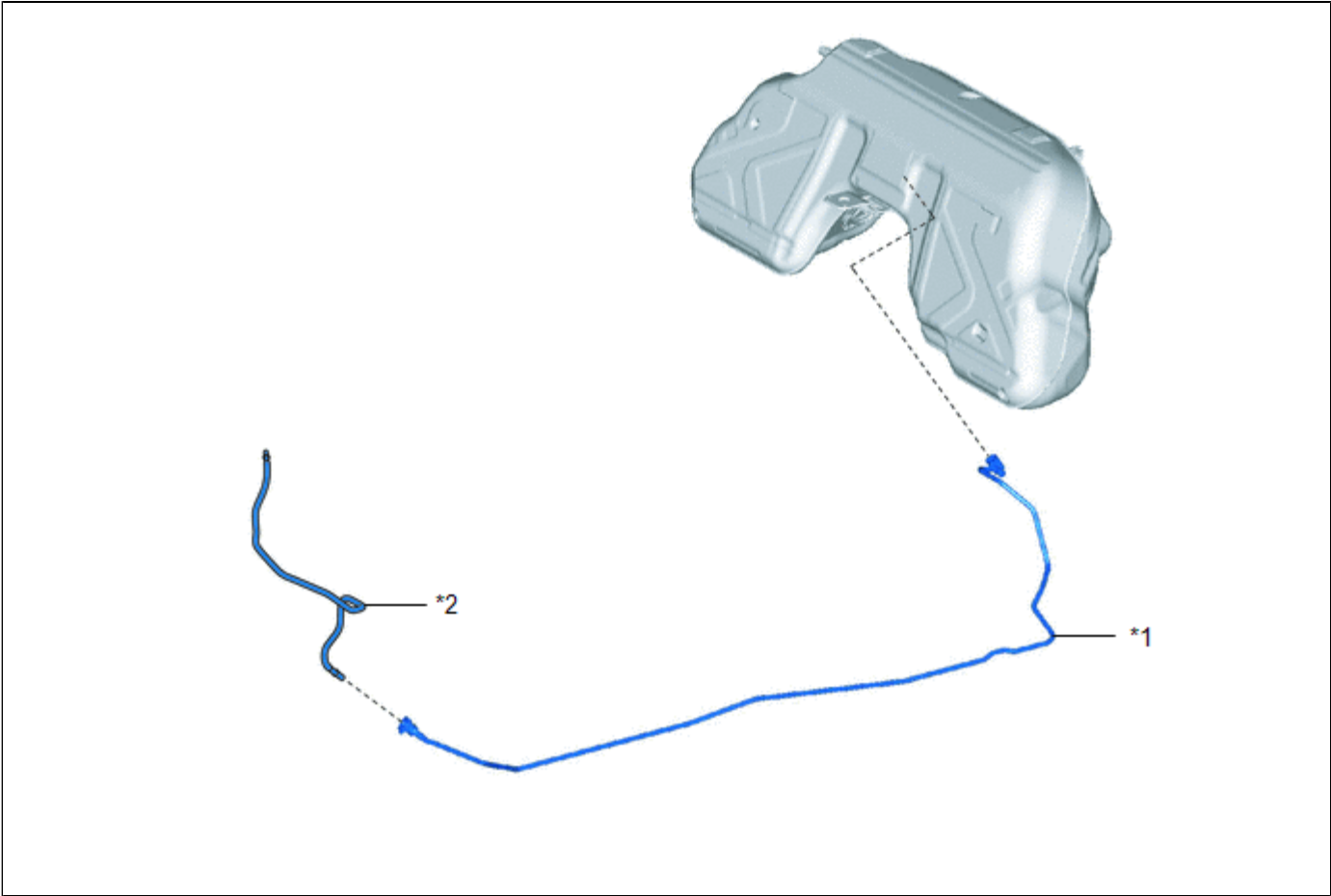
4. INSTALL NO. 1 INTEGRATION RELAY

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD6J
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL MAIN TUBE (for Rear): COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	NO. 1 FUEL MAIN TUBE	*2	NO. 2 FUEL MAIN TUBE
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Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD6K
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL MAIN TUBE (for Rear): REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Working on fuel system.

Risk of fire! Danger of explosion!

- When working on the fuel system, make sure that the workbay is sufficiently ventilated, e.g. using extraction unit.
- Tightly seal off open lines and connections; collect any escaping fuel directly at the point of exit.
- No fire, sparks, open flames or smoking.

- Contact with hazardous fluids.

Hazardous to health!

- Note and follow safety information on containers.
- Conduct all work in appropriate personal protective equipment only.

PROCEDURE

1. REMOVE FRONT NO.1 FLOOR HEAT INSULATOR

Click here [INFO](#)

2. REMOVE NO.1 FUEL MAIN TUBE

CAUTION:

- Working on fuel system.

Risk of fire! Danger of explosion!

- When working on the fuel system, make sure that the workbay is sufficiently ventilated, e.g. using extraction unit.
- Tightly seal off open lines and connections; collect any escaping fuel directly at the point of exit.
- No fire, sparks, open flames or smoking.

- On releasing high pressure line, fuel may emerge at high speed.

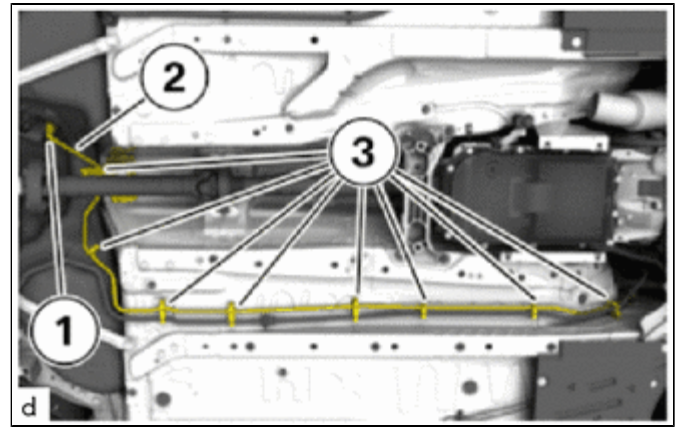
Danger of injury!

- Wear suitable personal protective equipment.
- Allow the cooling system to cool down to a temperature below 40°C before starting installation work.
- Note warnings on cylinder head cover.

HINT:

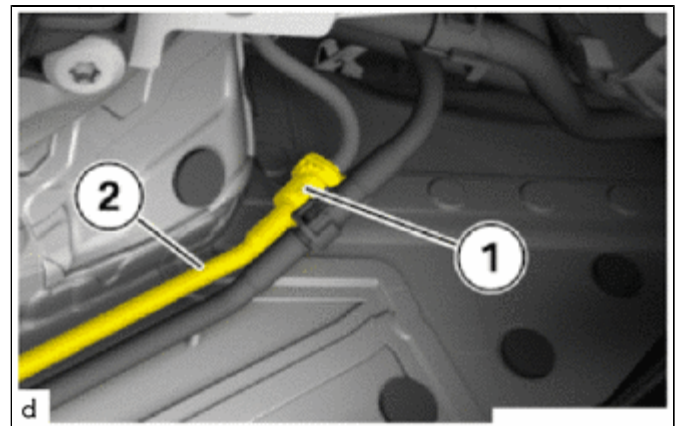
Collect and dispose of emerging fluids. Observe country-specific waste disposal regulations.

(a) Unlock the snap fastener (1) and pull off the No.1 fuel main tube (2).



(b) Unclip No.1 fuel main tube (2) from the brackets (3).

(c) Unlock the snap fastener (1) and detach the No.1 fuel main tube (2).



(d) Remove the No.1 fuel main tube (2).



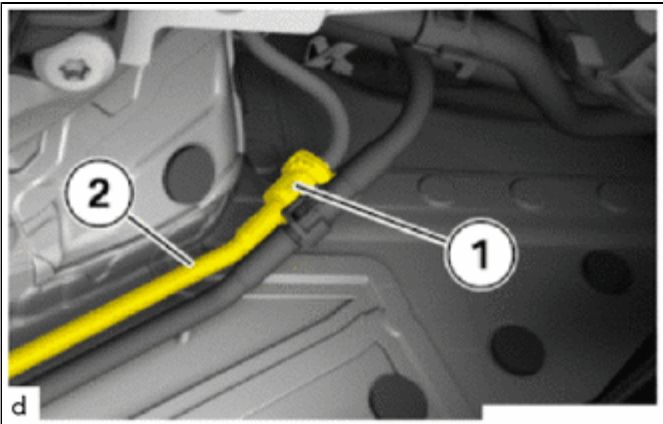
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD6L
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL MAIN TUBE (for Rear): INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

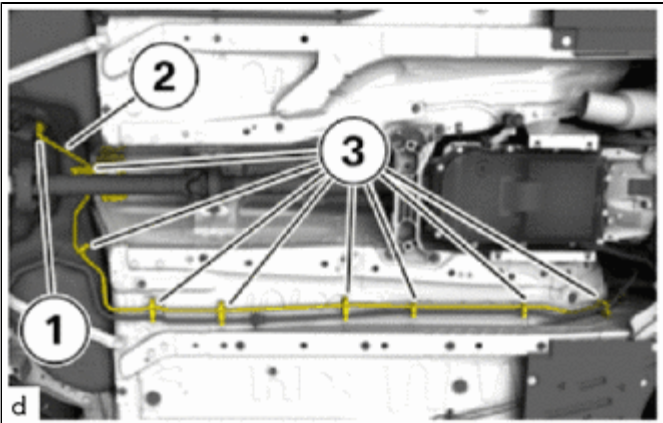
PROCEDURE

1. INSTALL NO.1 FUEL MAIN TUBE

(a) Install No.1 fuel main tube.



(b) Connect No.1 fuel main tube (2) and lock snap fastener (1).



(d) Clip the No.1 fuel main tube (2) into the holder (3).

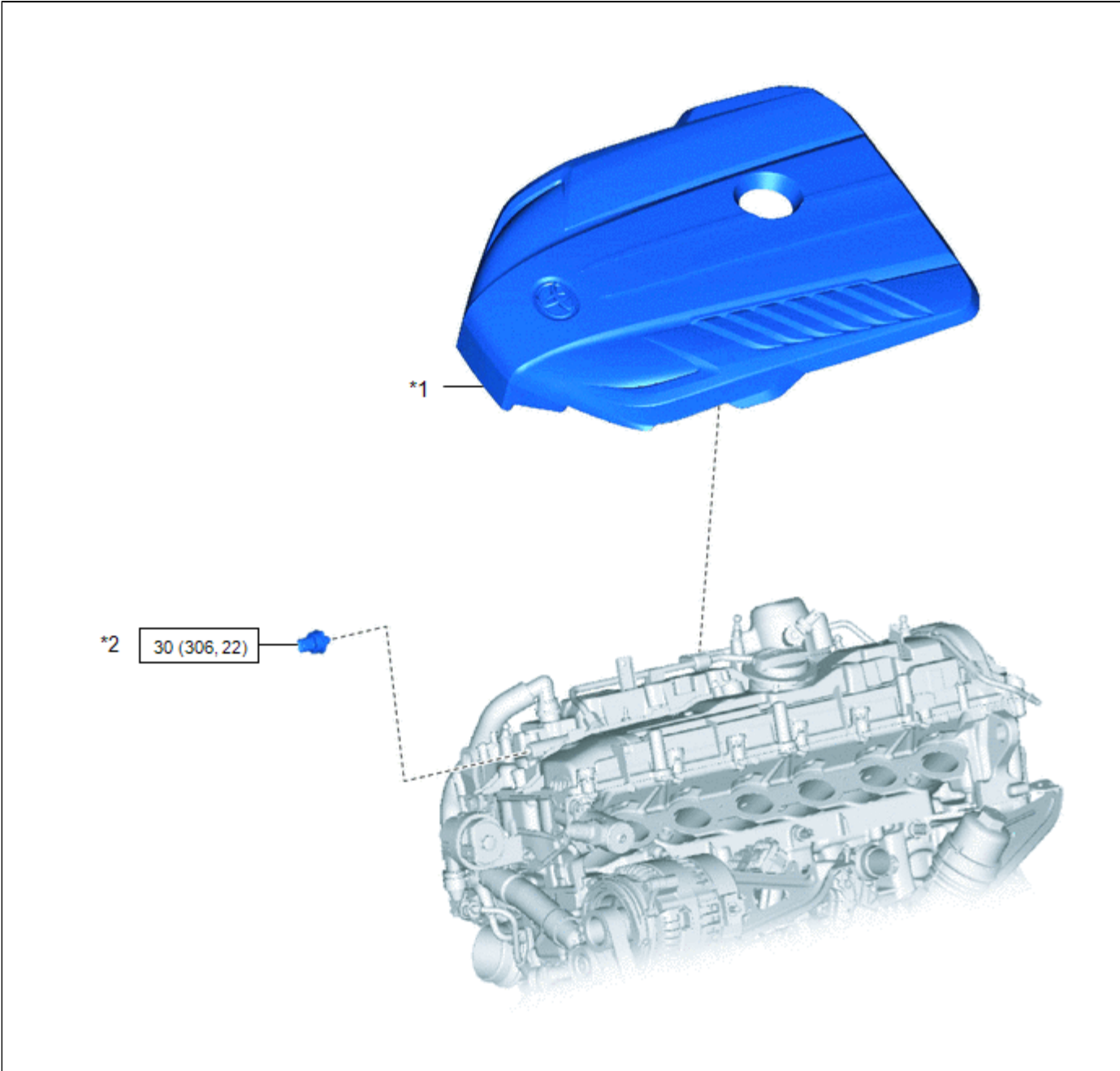
2. INSTALL NO.1 FRONT FLOOR HEAT INSULATOR

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5S
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL PRESSURE SENSOR: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	No. 1 ENGINE COVER SUB-ASSEMBLY	*2	FUEL PRESSURE SENSOR
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5T
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL PRESSURE SENSOR: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

PROCEDURE

1. REMOVE NO. 1 ENGINE COVER SUB-ASSEMBLY

Click here [INFO](#)

2. REMOVE FUEL PRESSURE SENSOR

CAUTION:

- Working on fuel system.

Risk of fire! Danger of explosion!

- When working on the fuel system, make sure that the workbay is sufficiently ventilated, e.g. using extraction unit.
- Tightly seal off open lines and connections; collect any escaping fuel directly at the point of exit.
- No fire, sparks, open flames or smoking.

- On releasing high pressure line, fuel may emerge at high speed.

Danger of injury!

- Wear suitable personal protective equipment.
- Allow the cooling system to cool down to a temperature below 40°C before starting installation work.
- Note warnings on cylinder head cover.

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](#)

- Contaminant or foreign body.

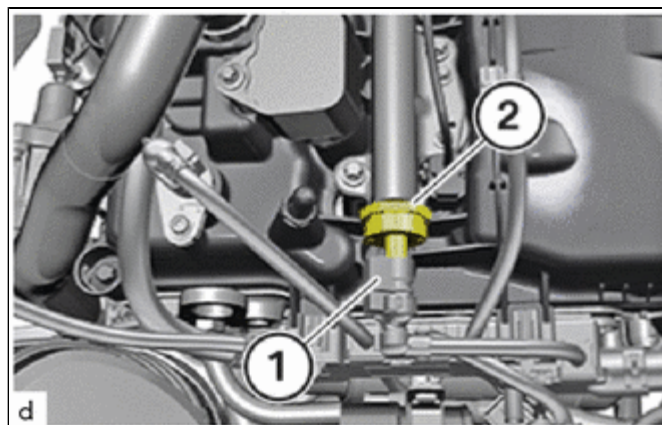
Contamination can result in malfunctions, operating failure or leaks.

- Adhere to the utmost cleanliness.
- Protect components from contamination e.g. by covering.
- Close off line connections with seal plugs.

HINT:

Collect and dispose of emerging fluids. Observe country-specific waste disposal regulations.

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



(b) Release the fuel pressure sensor (2) with the special tool 0 492 027 (32 2 100) and remove.

(c) Catch and dispose of escaping fuel.



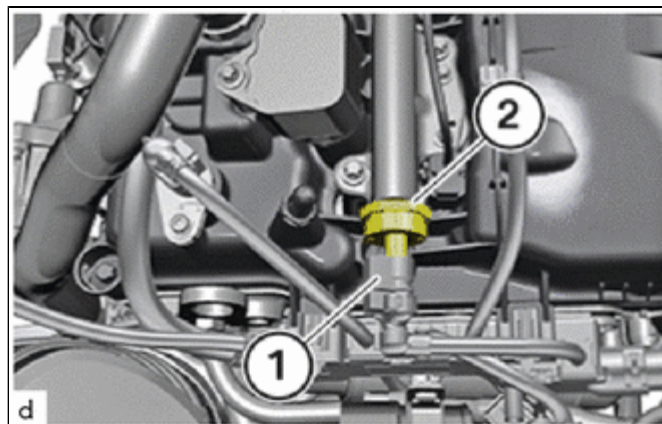
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5U
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL PRESSURE SENSOR: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL FUEL PRESSURE SENSOR

(a) Install the fuel pressure sensor (2).



(b) Tighten fuel pressure sensor (2) with the special tool 0 492 027 (32 2 100).

Torque:

30 N·m {306 kgf·cm, 22 ft·lbf}

(c) Connect connectors (1) and lock.

HINT:

The connector (1) must engage audibly.

(d) Check fuel system for leak tightness.

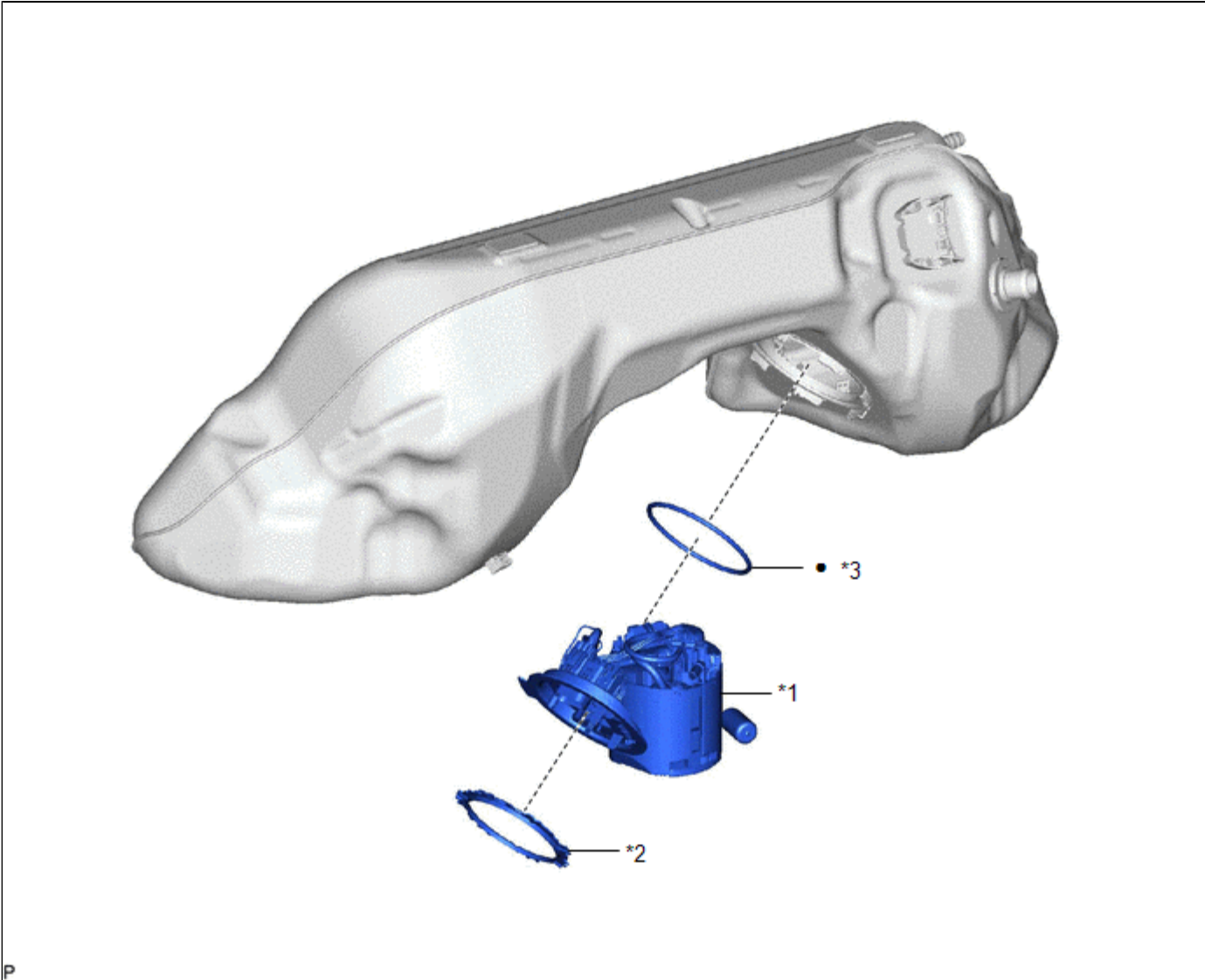
2. INSTALL NO. 1 ENGINE COVER SUB-ASSEMBLY

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD6D
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL PUMP: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	FUEL SUCTION TUBE WITH PUMP AND GAGE ASSEMBLY	*2	FUEL PUMP GAUGE RETAINER
*3	FUEL SUCTION TUBE SET GASKET	-	-
●	Non-reusable part	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD6E
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL PUMP: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Working on fuel system.

Risk of fire! Danger of explosion!

- When working on the fuel system, make sure that the workbay is sufficiently ventilated, e.g. using extraction unit.
- Tightly seal off open lines and connections; collect any leakage fuel directly at the point of exit.
- No fire, sparks, open flames or smoking.

HINT:

Collect and dispose of emerging fluids. Observe country-specific waste disposal regulations.

PROCEDURE

1. REMOVE FRONT NO.1 FLOOR HEAT INSULATOR

Click here [INFO](#)

2. FUEL SUCTION TUBE WITH PUMP AND GAGE ASSEMBLY

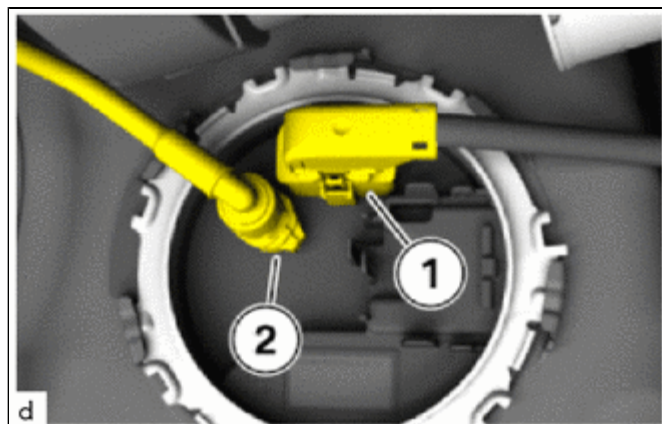
CAUTION:

Working on fuel system.

Risk of fire! Danger of explosion!

- When working on the fuel system, make sure that the workbay is sufficiently ventilated, e.g. using extraction unit.
- Tightly seal off open lines and connections; collect any leakage fuel directly at the point of exit.
- No fire, sparks, open flames or smoking.

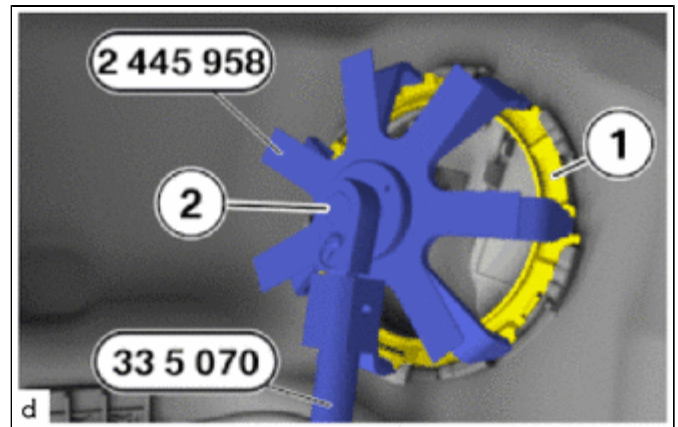
(a) Unlock and disconnect plug connection (1).



(b) Unlock and disconnect the fuel supply line (2).

(c) Place special tool 2 445 958 on the locking ring (1).

SST: 09800-WA290



(d) Connect special tool 0 495 554 (33 5 070) with the standard tool (2) and place on special tool 2 445 958.

standard tools:

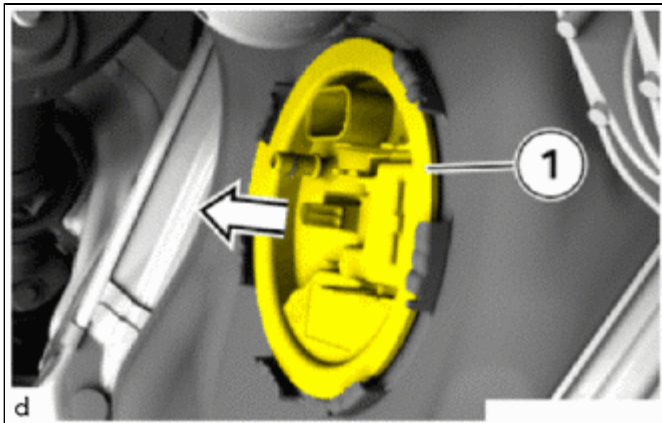
Plug-in reversible ratchet 1/2 inch

SST: 09800-WA290

SST: 09900-WA040

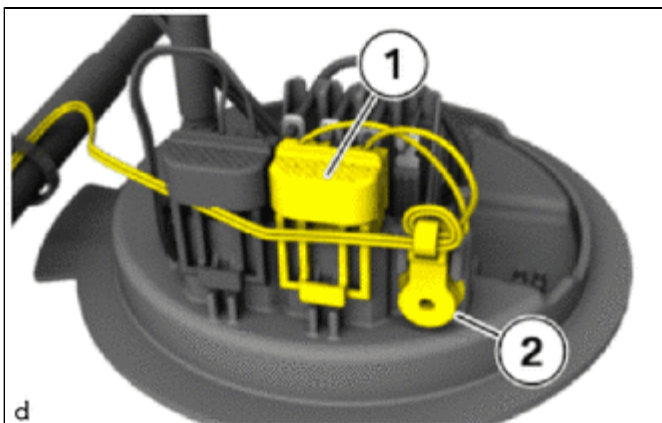
(e) Loosen locking ring (1) counterclockwise and remove.

(f) Lift the flange cover (1) in the direction of the arrow.



NOTICE:

To provide a better overview: Schematic diagram with partially hidden components.



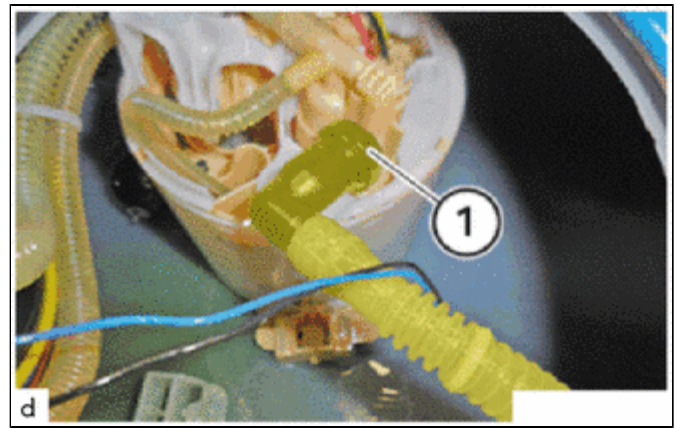
(g) Unlock and disconnect plug connection (1).

(h) Unclip the cable holder (2).

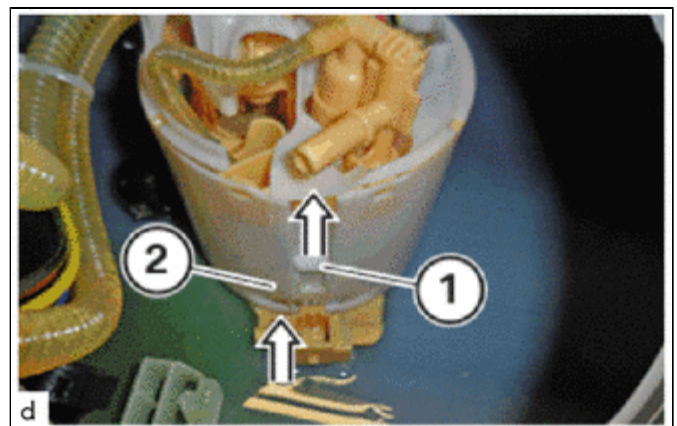
(i) Unlock and disconnect quick release (1).

NOTICE:

Schematic diagram is for example purposes. Some parts may differ in certain details.



(j) Release the lock (1) in the direction of the arrow upwards.



(k) Press the fuel delivery unit (2) slightly in the direction of the arrow and unthread upwards.

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD6F
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL PUMP: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

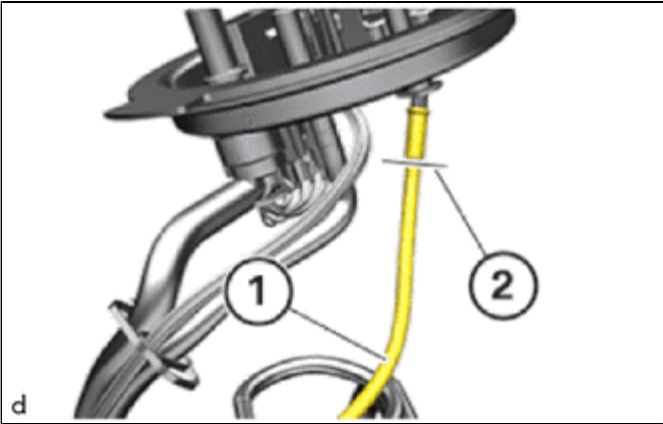
PROCEDURE

1. FOR REPLACEMENT: PREPARING THE FUEL DELIVERY UNIT FOR INSTALLATION

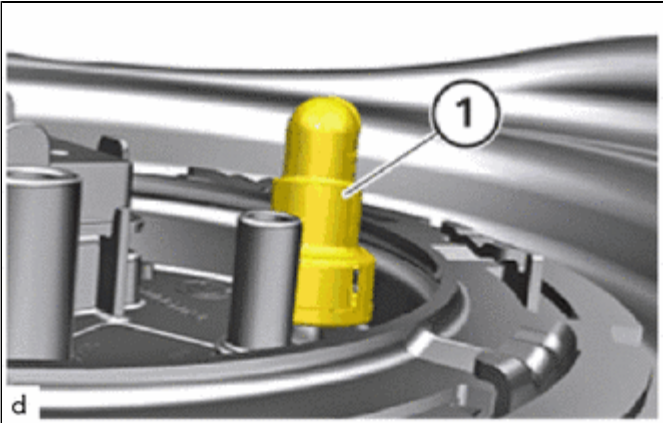
HINT:

- All new delivery units are delivered with the stationary heating system in the equipment specification.
- For these vehicles, the connection on the flange lid must be closed with a locking coupling.
- Locking coupling must be ordered separately, see Electronic Parts Catalog.

- (a) For vehicles without auxiliary heater, the intake manifold for the auxiliary heater must be removed.
- (b) Separate intake manifold for auxiliary heater (1) in the area (2) at the connection of the service cap using suitable tool (diagonal cutting pliers).



- (c) Separated intake manifold can be disposed of.



- (d) Place and lock the lock coupling (1) on the connection of the fuel line for the stationary heating system.

2. FUEL SUCTION TUBE WITH PUMP AND GAGE ASSEMBLY

CAUTION:

Working on fuel system.

Risk of fire! Danger of explosion!

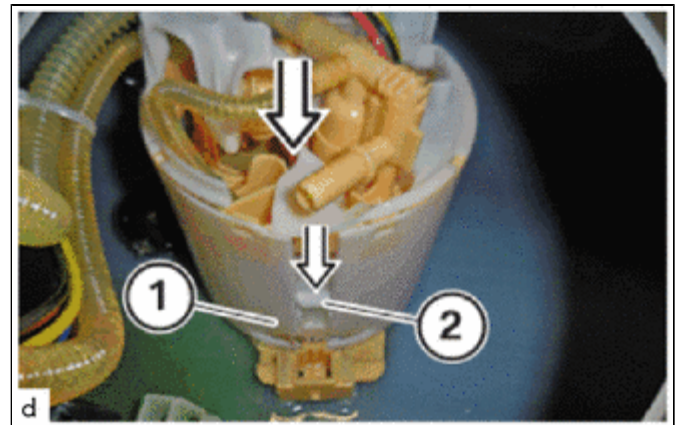
- When working on the fuel system, make sure that the workbay is sufficiently ventilated, e.g. using extraction unit.
- Tightly seal off open lines and connections; collect any leakage fuel directly at the point of exit.
- No fire, sparks, open flames or smoking.

HINT:

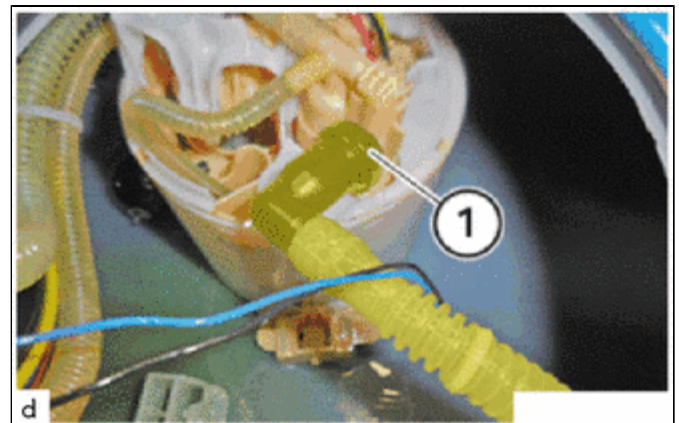
Collect and dispose of emerging fluids. Observe country-specific waste disposal regulations.

(a) Thread the fuel feed unit (1) in the direction of the arrow from above and lock it.

(1) Care must be taken to ensure correct locking of the fuel delivery unit in the receptacle!

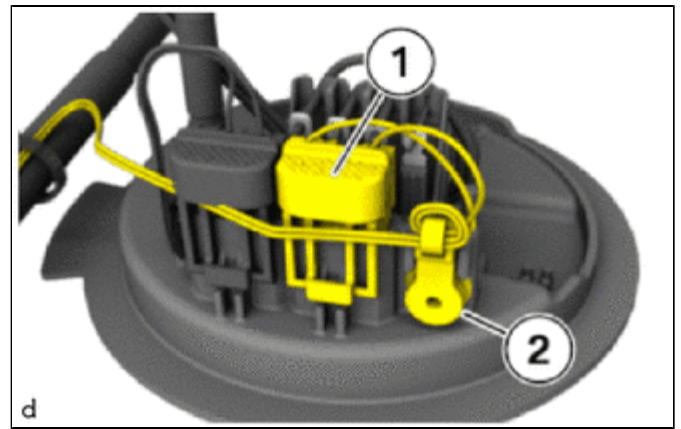


(b) Lock the lock (2) in the direction of the arrow downwards.



(c) Apply and lock the quick release (1).

(d) Connect and lock connector (1).



(e) Clip in the cable holder (2).

NOTICE:

To provide a better overview: Schematic diagram with partially hidden components.

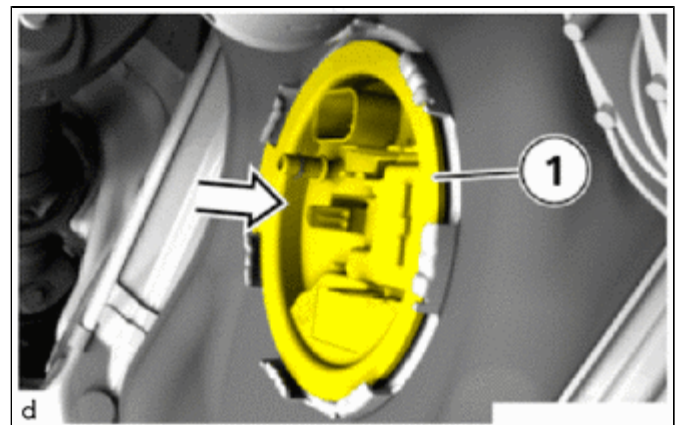
(f) Replace sealing ring (1).

NOTICE:

Schematic diagram is for example purposes. Some parts may differ in certain details.

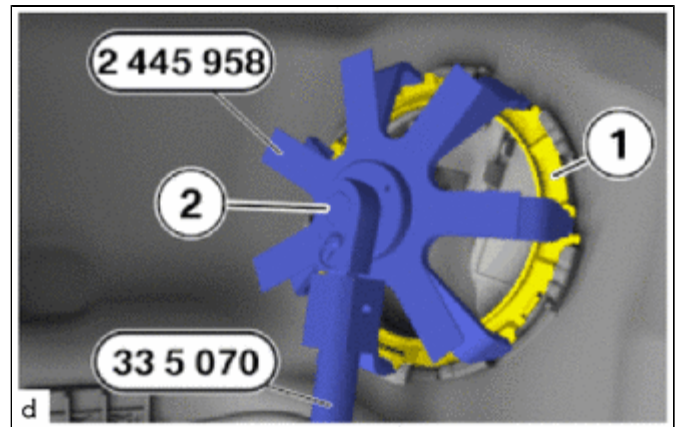


(g) Install flange cover (1) in direction of arrow.



(h) Place special tool 2 445 958 on lock ring (1).

SST: 09800-WA290



(i) Connect special tool 0 495 554 (33 5 070) with the standard tool (2) and place on special tool 2 445 958.

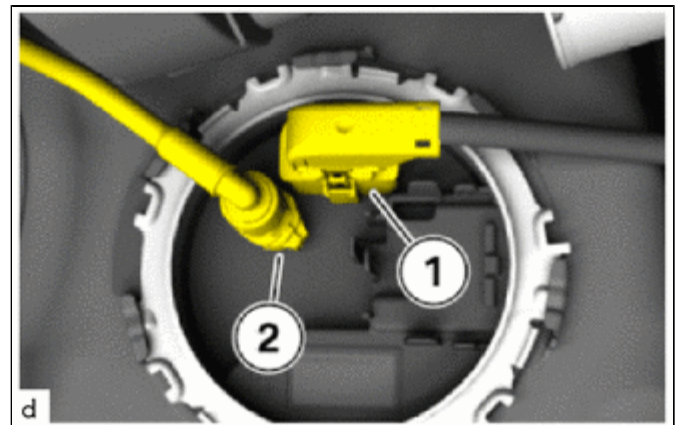
Standard tools:

Plug-in reversible ratchet 1/2 inch

SST: 09800-WA290

SST: 09900-WA040

(j) Tighten locking ring (1) clockwise.



(k) Connect and lock connector (1).

(l) Apply and lock fuel supply line (2).

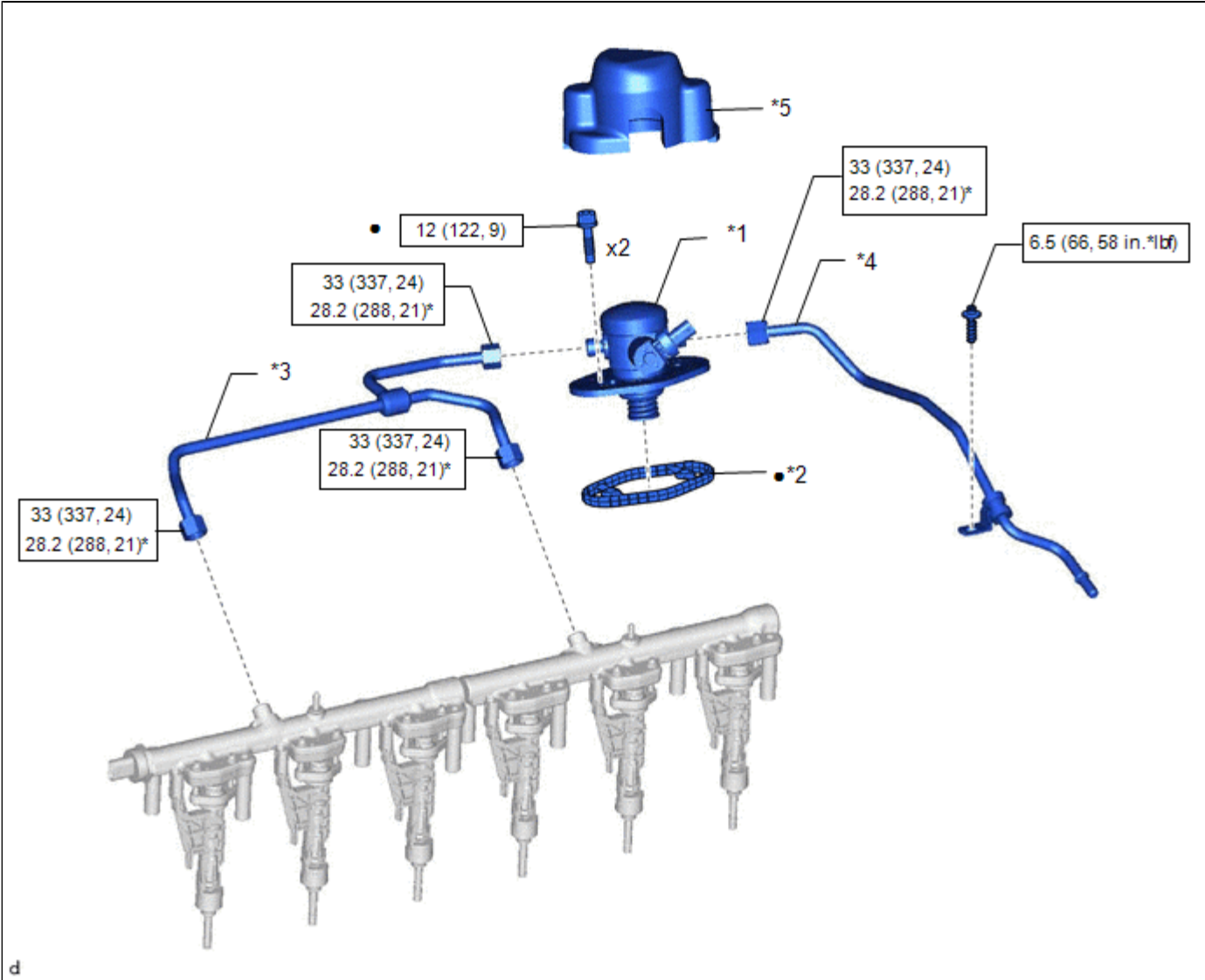
3. INSTALL FRONT NO.1 FLOOR HEAT INSULATOR

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5V
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL PUMP (for High Pressure): COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	FUEL PUMP ASSEMBLY	*2	FUEL PUMP SPACER GASKET
*3	NO. 1 FUEL PIPE SUB-ASSEMBLY	*4	NO. 2 FUEL PIPE SUB-ASSEMBLY
*5	NO. 2 ENGINE COVER SUB-ASSEMBLY	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	*	For use with a union nut wrench
•	Non-reusable part	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5W
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL PUMP (for High Pressure): REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Working on 12 V vehicle electrical system.

Risk of short circuits! Risk of fire!

- Detach battery earth lead from battery.

NOTICE:

- Damage to battery terminal, the safety battery terminal or the intelligent battery sensor (IBS).

Damaged battery terminals can lead to malfunctions or vehicle electrical system faults.

- Pull off battery terminal from battery pole by carefully moving to and fro. Do not pry off using a tool.

PROCEDURE

1. REMOVE NO. 1 FUEL PIPE SUB-ASSEMBLY

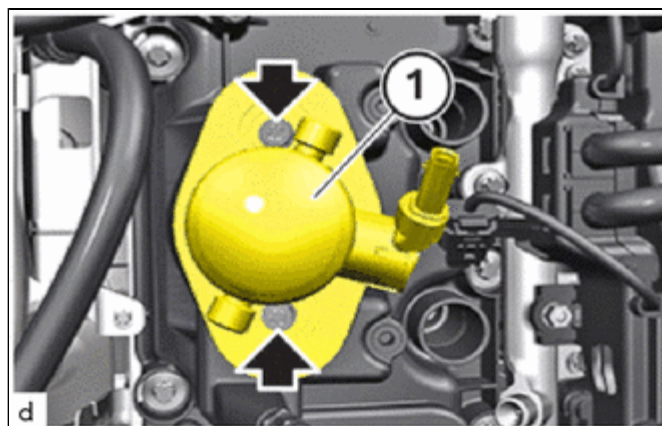
Click here [INFO](#)

2. REMOVE NO. 2 FUEL PIPE SUB-ASSEMBLY

Click here [INFO](#)

3. REMOVE FUEL PUMP ASSEMBLY

(a) Unscrew the bolts (arrows) in alternating order.



(b) Have a cleaning cloth ready to catch any escaping engine oil.

(c) Feed out fuel pump assembly (1) and remove.

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5X
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL PUMP (for High Pressure): INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. ADJUST FUEL PUMP LIFTER ASSEMBLY

(a) Rotate the cam of the fuel pump assembly drive to the BDC position

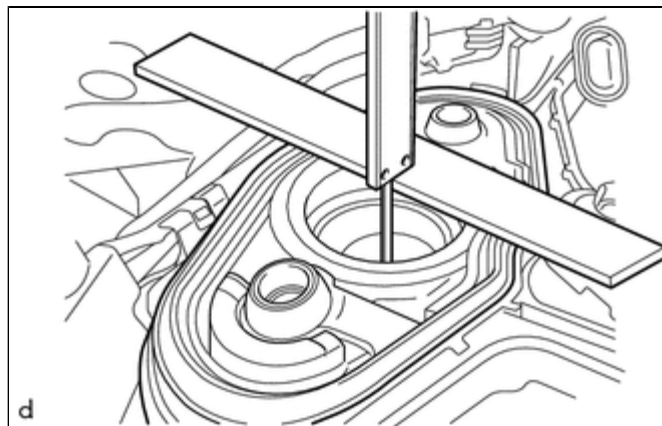
NOTICE:

- Damage to the engine.

The engine may be damaged if it is manually rotated in the wrong direction.

- Always rotate the engine in the correct direction of rotation by hand: a) Clockwise, facing the vibration damper or b) Counter-clockwise, facing the chain drive. (b) only applies when the rear timing chain is installed.

(b) Place the depth gauge (1) flat onto the fuel pump assembly flange.



(c) Turn the engine on the central bolt in the direction of engine rotation until the camshaft has reached the BDC position.

HINT:

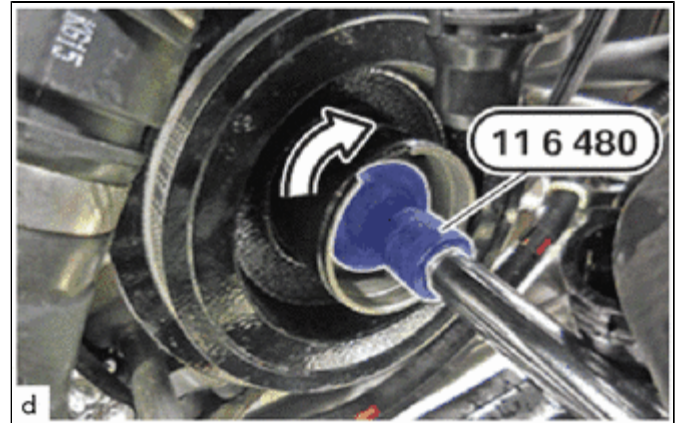
The depth gauge (1) is in the deepest position.

(d) Loosen cover (1).

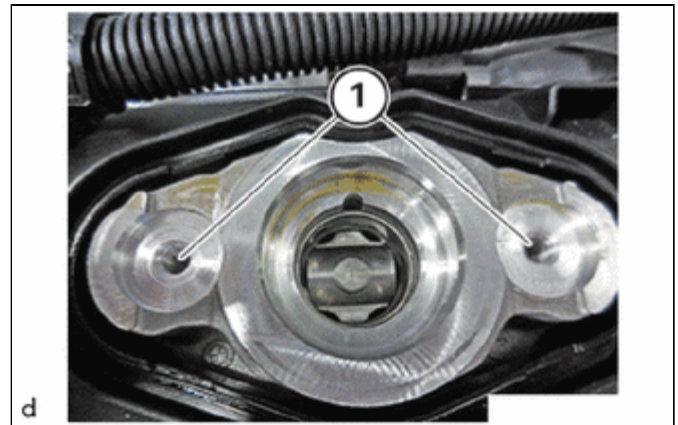


- (e) Rotate the engine with the special tool 0 493 380 (11 6 480) in the direction of the arrow until the cam of the fuel pump assembly drive is at the BDC position .

SST: 09200-WA190



- (f) Check the threads (1) on the fuel pump assembly flange for sealing compound residue: Remove sealing compound residue as needed.



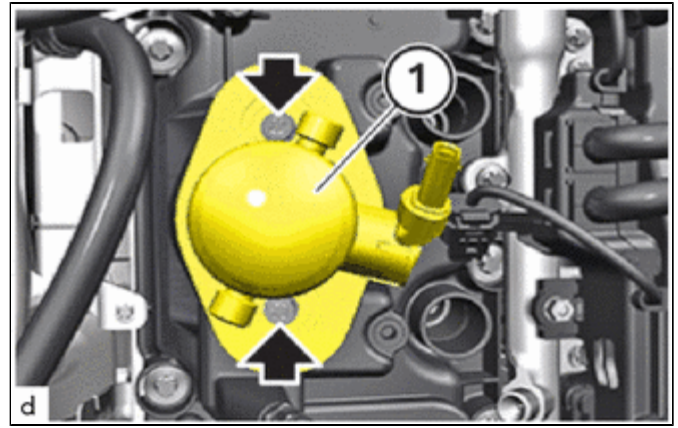
- (g) Clean the thread (1) with a thread cutter M6.
(h) Make sure that no contamination enters the engine.
(i) Cover opening at the fuel pump assembly flange with suitable materials.

- (j) Replace gasket (1).



2. INSTALL FUEL PUMP ASSEMBLY

(a) Feed in and install fuel pump assembly (1).



(b) Replace the bolts (arrows).

HINT:

Compliance with the specification is imperative to make sure that the piston will not break due to twisting.

(c) Position screws (arrows) of the fuel pump assembly (1) and tighten in alternating order in 90° increments.

Torque:

12 N·m {122 kgf·cm, 9 ft·lbf}

3. INSTALL NO. 2 FUEL PIPE SUB-ASSEMBLY

Click here [INFO](#)

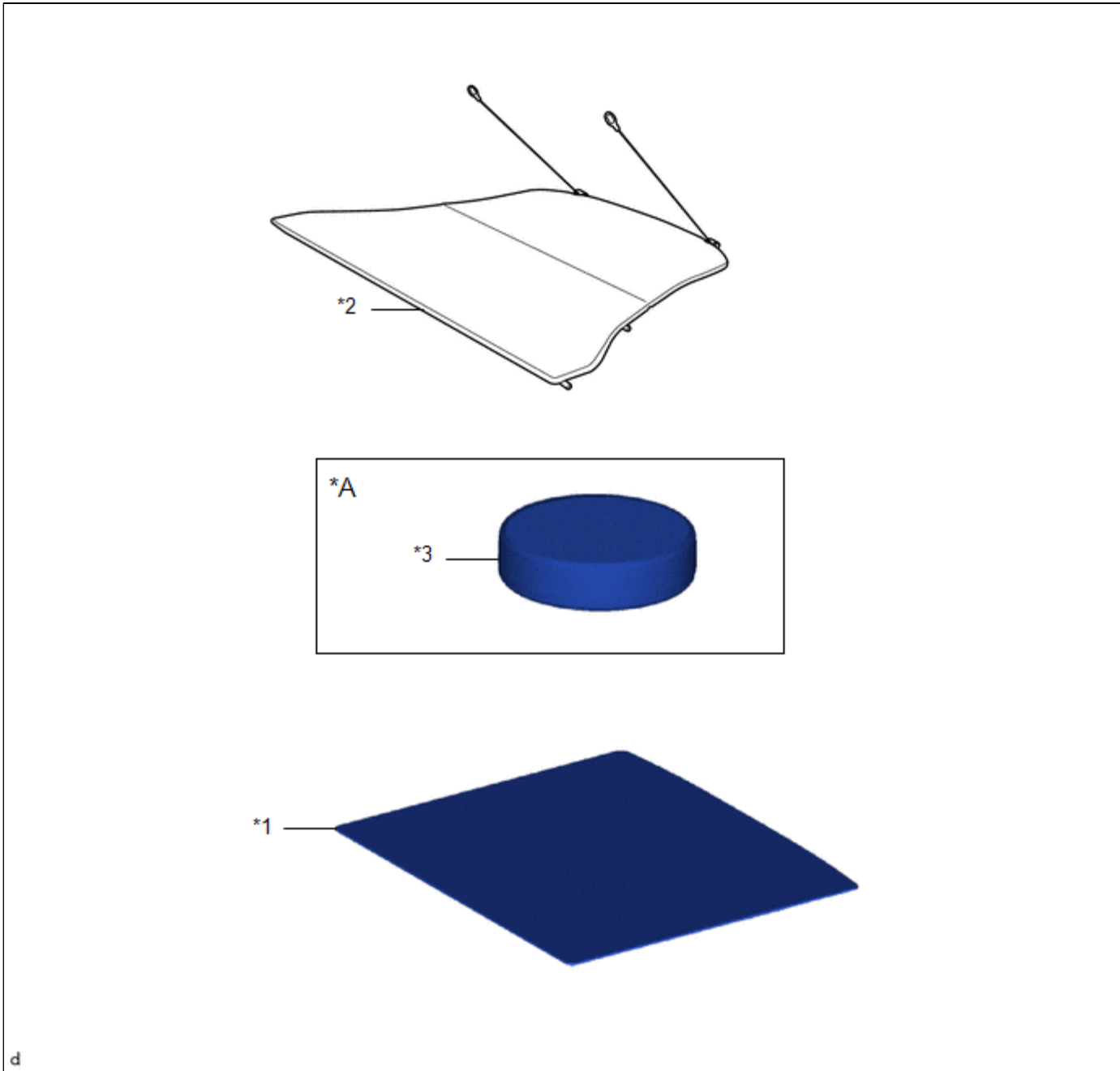
4. INSTALL NO. 1 FUEL PIPE SUB-ASSEMBLY

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5Y
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL PUMP ECU: COMPONENTS; 2020 MY Supra [03/2019 -]		

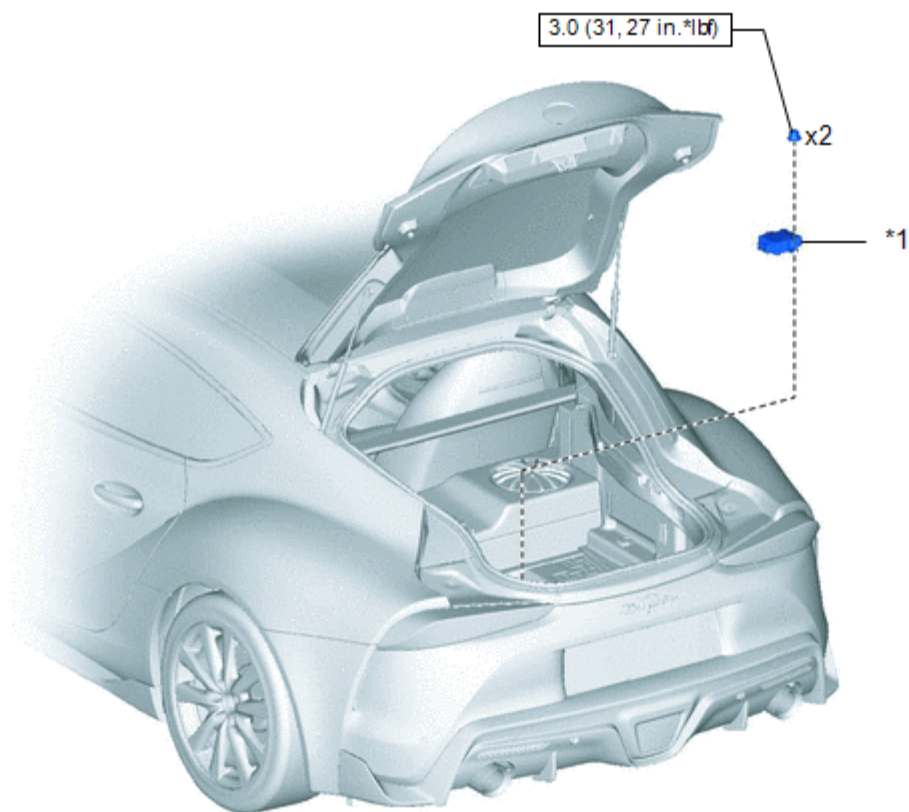
COMPONENTS

ILLUSTRATION



*A	w/ Spare Tire	-	-
*1	DECK BOARD ASSEMBLY	*2	PACKAGE TRAY TRIM PANEL ASSEMBLY
*3	SPARE TIRE	-	-

ILLUSTRATION



P

*1	FUEL PUMP CONTROL ECU	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5Z
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL PUMP ECU: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

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 PACKAGE TRAY TRIM PANEL ASSEMBLY

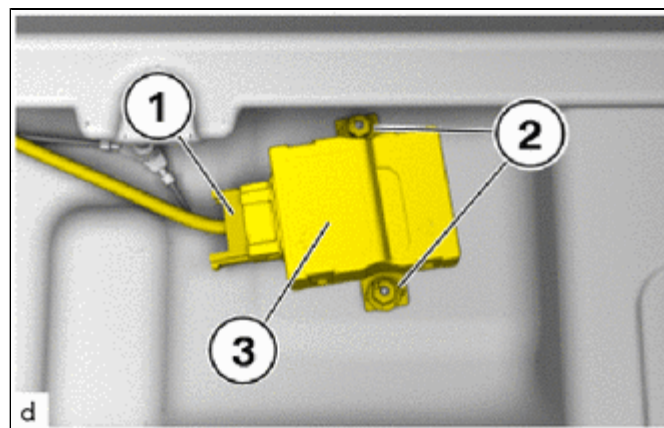
Click here [INFO](#)

2. REMOVE DECK BOARD ASSEMBLY

Click here [INFO](#)

3. REMOVE FUEL PUMP CONTROL ECU

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



(b) Loosen nut (2).

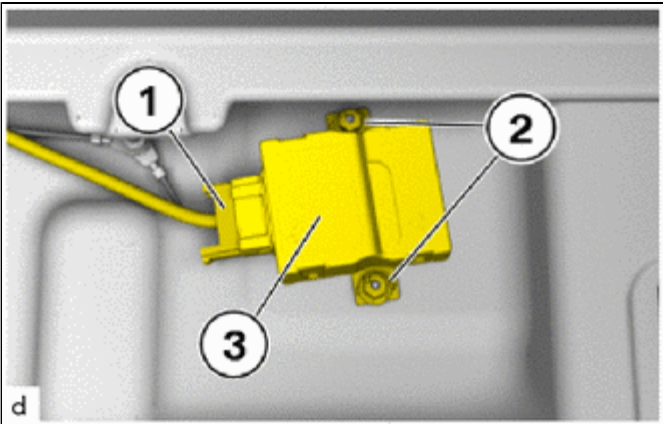
(c) Remove the fuel pump control ECU (3).

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD60
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL PUMP ECU: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL FUEL PUMP CONTROL ECU



(a) Install the fuel pump control ECU (3).

(b) Tighten nuts (2).

Torque:
3.0 N·m {31 kgf·cm, 27 in·lbf}

(c) Connect connectors (1) and lock.

2. INSTALL DECK BOARD ASSEMBLY

Click here [INFO](#)

3. INSTALL PACKAGE TRAY TRIM PANEL ASSEMBLY

Click here [INFO](#)

4. PUTTING FUEL PUMP CONTROL COMPUTER INTO OPERATION

- (a) Connect the diagnosis system to the vehicle and enter the following menus:
Vehicle information / Control unit list / DME / Call up control unit functions / Component actuation / General / Electric fuel pump

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5F
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL SYSTEM: ON-VEHICLE INSPECTION; 2020 MY Supra [03/2019 -]		

ON-VEHICLE INSPECTION

PROCEDURE

1. CHECK FUEL DELIVERY PRESSURE

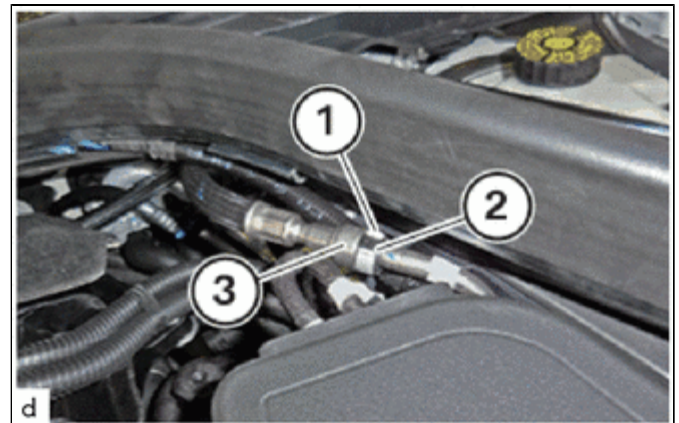
CAUTION:

- Working on fuel system.
- Risk of fire! Danger of explosion!
 - When working on the fuel system, make sure that the workbay is sufficiently ventilated, e.g. using extraction unit.
 - Tightly seal off open lines and connections; collect any escaping fuel directly at the point of exit.
 - No fire, sparks, open flames or smoking.
- On releasing high pressure line, fuel may emerge at high speed.
- Danger of injury!
 - Wear suitable personal protective equipment.
 - Allow the cooling system to cool down to a temperature below 40°C before starting installation work.
 - Note warnings on cylinder head cover.

HINT:

Collect and dispose of emerging fluids. Observe country-specific waste disposal regulations.

(a) Detach the circlip (1).



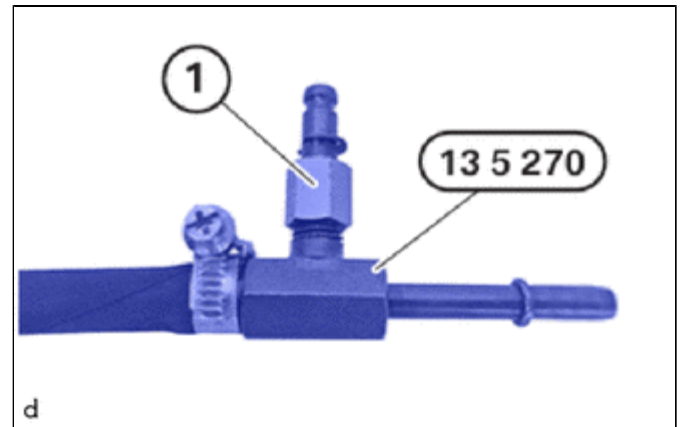
(b) Unlock lock (2).

(c) Detach the fuel hose (3) from fuel line.

(d) Catch and dispose of escaping fuel.

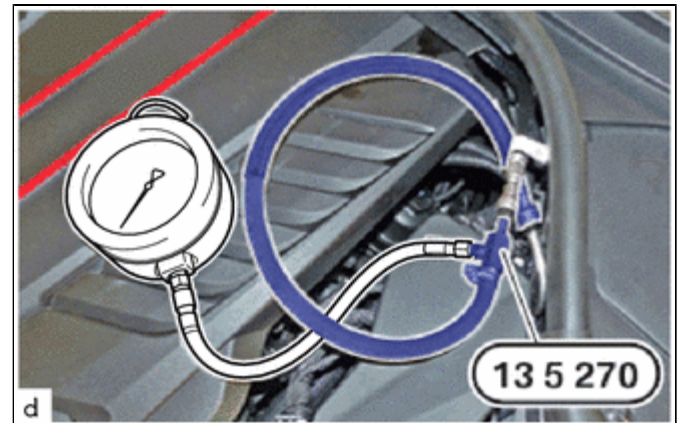
(e) Unscrew adapter (1) of the special tool 0 491 310 (13 5 270).

SST: 09200-WA020



(f) In the separate fuel supply line the special tool 0 491 310 (13 5 270).

SST: 09200-WA020



(g) Fuel pressure gauge on the Screw special tool 0 491 310 (13 5 270).

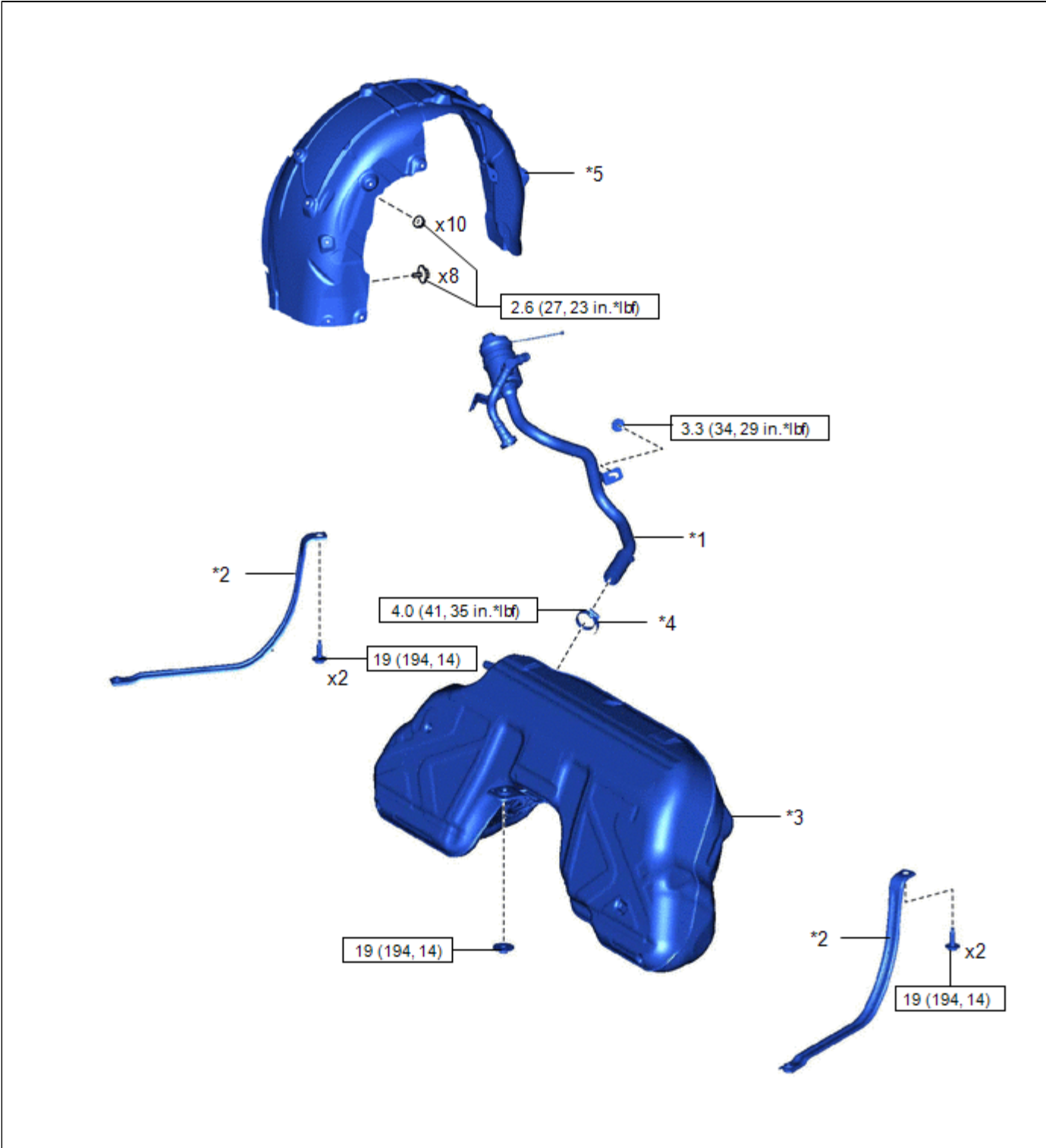
SST: 09200-WA020

- (h) Build up fuel supply pressure.
- (i) Read off fuel pressure at the pressure gauge.
- (j) Observe the diagnostic instructions.
- (k) After completing the measurement: Remove all special tools.
- (l) Collect and dispose of escaping fuel with suitable equipment.
- (m) Connect the fuel hose to the fuel line and lock
- (n) Collect and dispose of escaping fuel with suitable equipment.
- (o) Attach the circlip.

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD61
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL TANK: COMPONENTS; 2020 MY Supra [03/2019 -]		

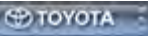
COMPONENTS

ILLUSTRATION



*1	FUEL TANK INLET PIPE SUB-	*2	FUEL TANK BAND SUB-ASSEMBLY
----	---------------------------	----	-----------------------------

	ASSEMBLY		
*3	FUEL TANK	*4	HOSE CLAMP
*5	REAR WHEEL HOUSE LINER RH	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD62
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL TANK: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

PROCEDURE

1. DRAWING OFF FUEL FROM THE FUEL TANK

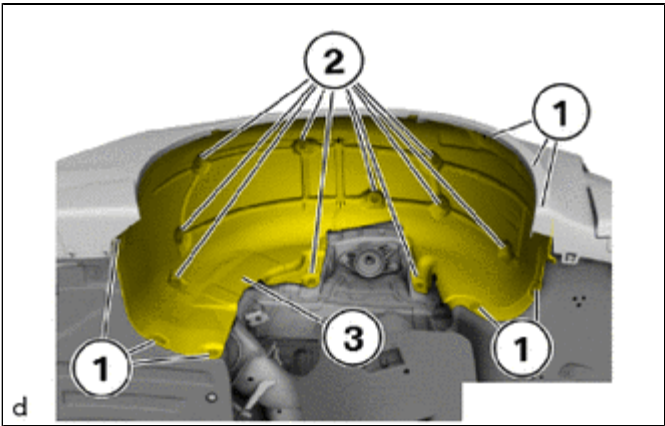
2. REMOVE WHEEL ASSEMBLY

Click here [INFO](#)

3. REMOVE REAR WHEEL HOUSE LINER RH

NOTICE:

To provide a better overview: Schematic diagram with partially hidden components.



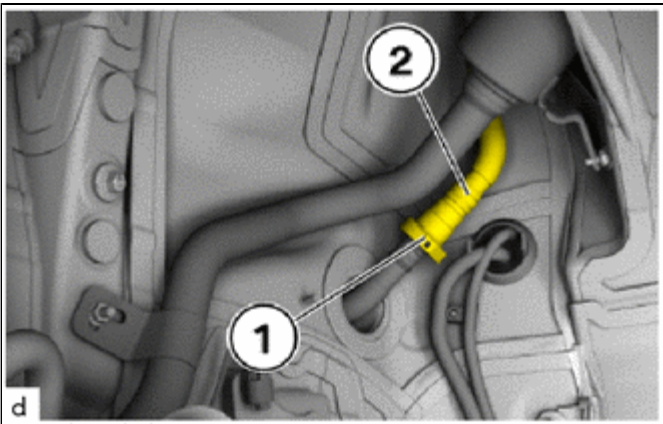
- (a) Loosen screws (1).
- (b) Unscrew the nuts (2) and feed the rear wheel arch cover (3) out.

4. REMOVE PROPELLER SHAFT ASSEMBLY WITH CENTER BEARING

Click here [INFO](#)

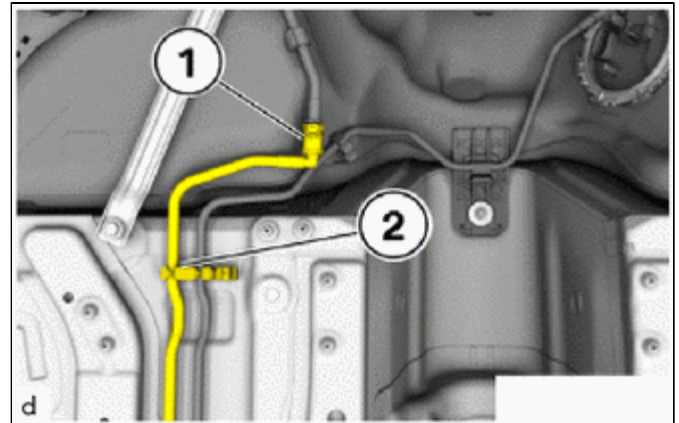
5. REMOVE FUEL TANK

- (a) Unlock and pull off snap fastener (1).



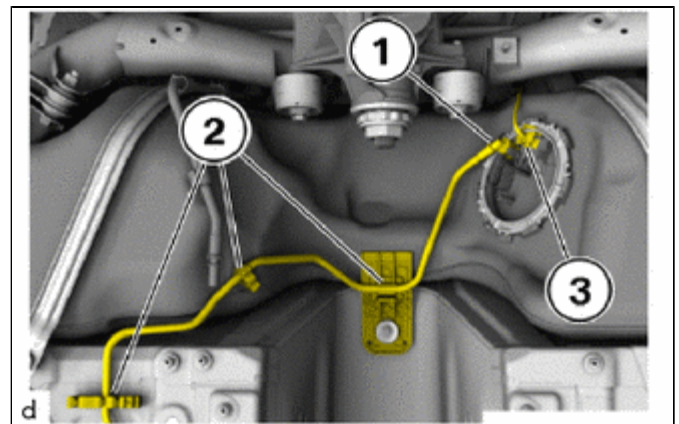
(b) Pull off the tank ventilation line (2).

(c) Unlock the snap fastener (1) and pull off the tank ventilation line.



(d) Unclip the tank ventilation line from the bracket (2).

(e) Unlock the snap fastener and pull off the fuel line (1).

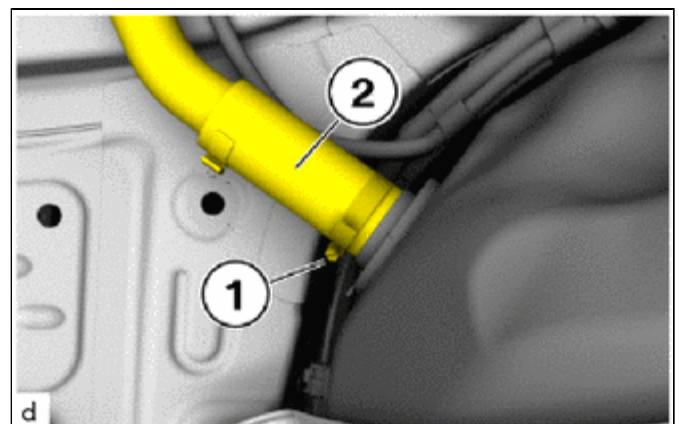


(f) Unclip fuel line (1) from the holders (2).

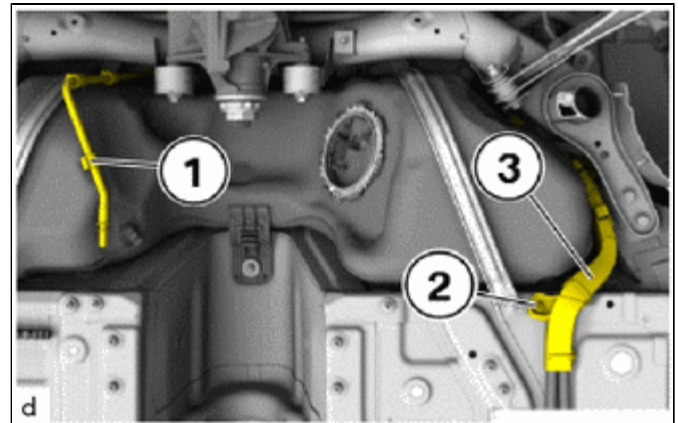
(g) Unlock plug connection (3) and disconnect.

(h) Loosen hose clamp (1).

(i) Pull the fuel tank inlet pipe sub-assembly (2) off the fuel tank.

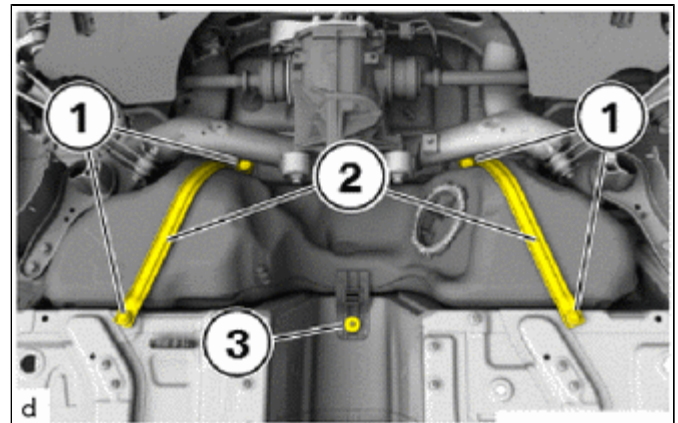


(j) Tie up the purge air line (1) to one side.



(k) Release the nut (2) and partially release the cable channel (3).

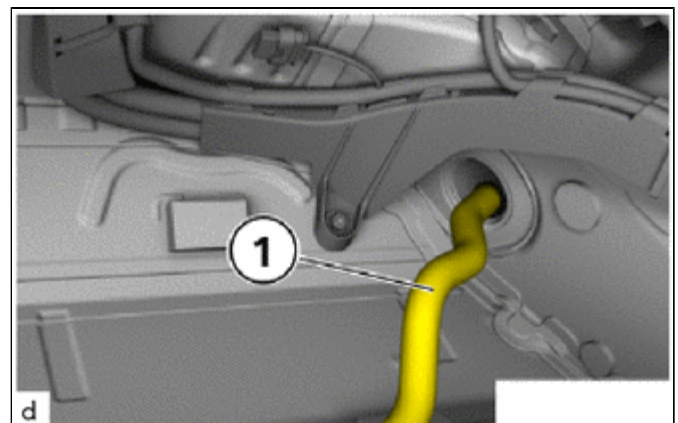
(l) Heavily support the fuel tank.



(m) Release the screws (1) and remove the fuel tank band sub-assembly (2).

(n) Release the nut (3) and lower as well as remove the fuel tank.

(o) Continue to support the fuel tank.



(p) Have an auxiliary person remove the tank ventilation line (1) towards the wheel arch.

(q) Remove the fuel tank towards the bottom.



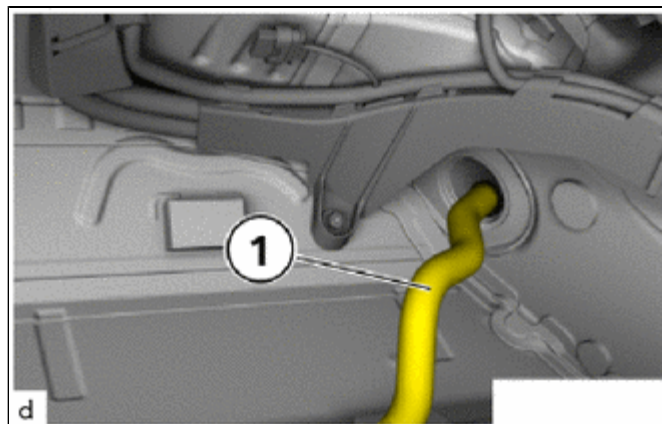
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD63
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL TANK: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

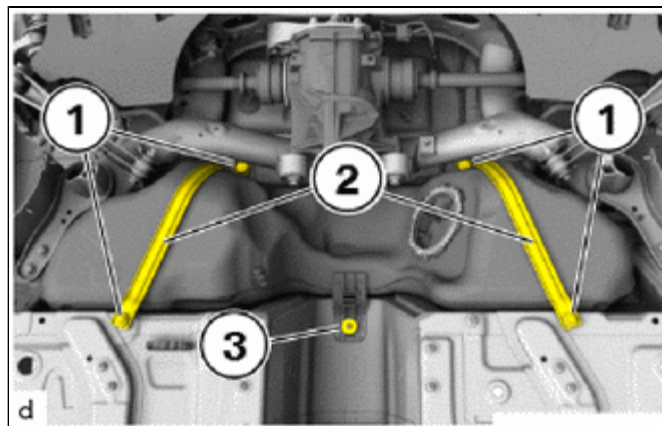
PROCEDURE

1. INSTALL FUEL TANK

- (a) Raise the fuel tank and, while doing so, thread the tank ventilation line (1) through the rear axle support.



- (b) Raise the fuel tank to the installation position, observing the installation position of the tank ventilation line while doing so.



- (c) Tighten nut (3).

Torque:

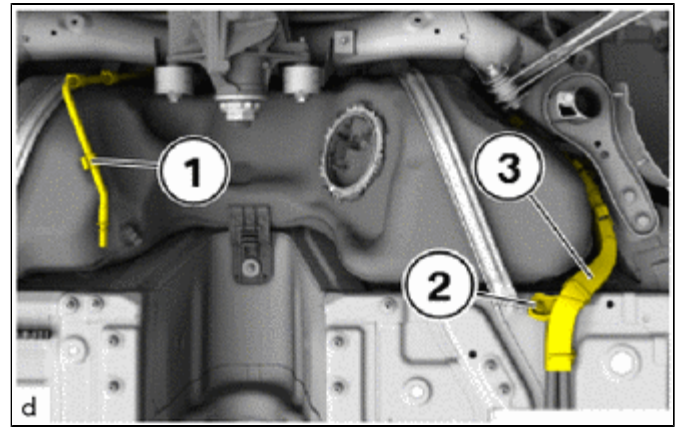
19 N·m {194 kgf·cm, 14 ft·lbf}

- (d) Position the fuel tank band sub-assembly (2) and tighten the screws (1).

Torque:

19 N·m {194 kgf·cm, 14 ft·lbf}

(e) Position the purge air line (1).



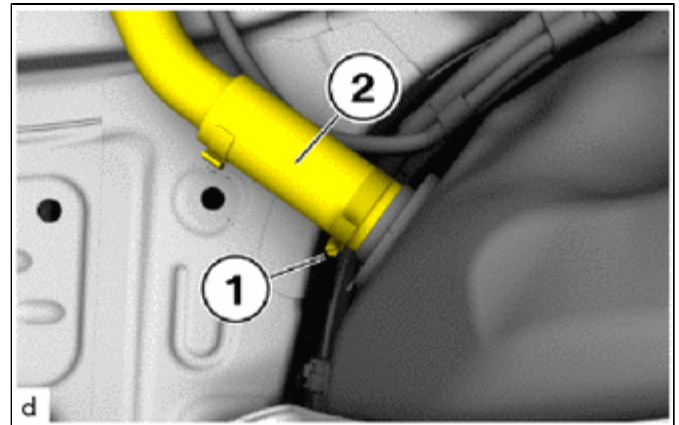
(f) Position the cable channel (3) and tighten the nut (2).

(g) Secure the fuel tank inlet pipe sub-assembly (2) on the fuel tank.

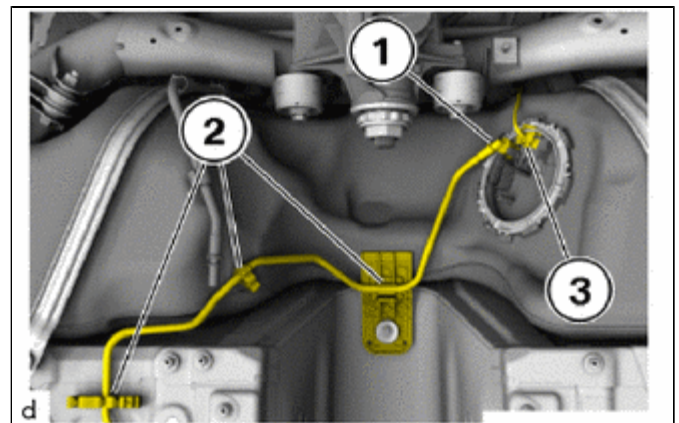
(h) Tighten the hose clamp (1).

Torque:

19 N·m {194 kgf·cm, 14 ft·lbf}



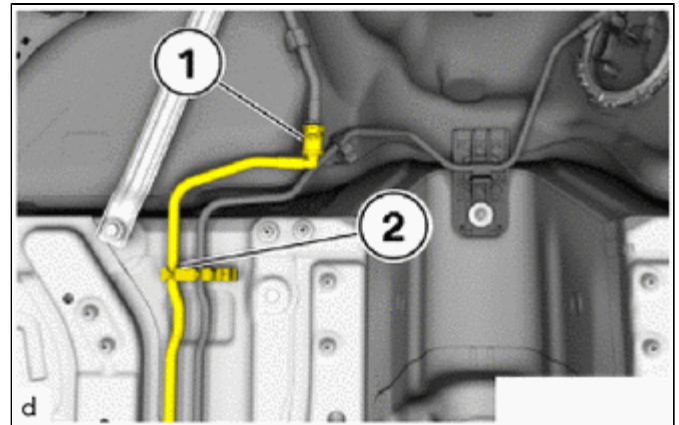
(i) Connect and lock the fuel line (1).



(j) Clip the fuel line (1) into the holder (2).

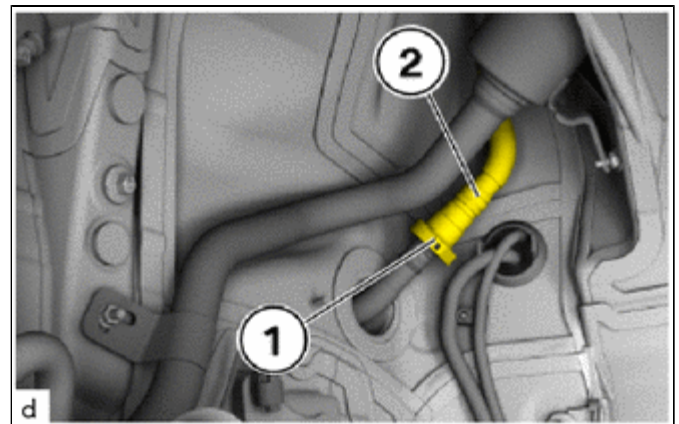
(k) Connect connectors (3) and lock.

(l) Connect and lock the snap fastener (1).



(m) Clip the tank ventilation line into the holder (2).

(n) Push on the tank ventilation line (2).



(o) Connect and lock the snap fastener (1).

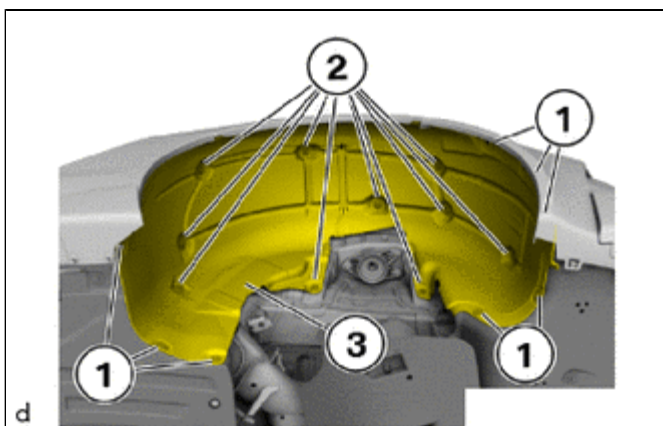
2. INSTALL PROPELLER SHAFT ASSEMBLY WITH CENTER BEARING

Click here [INFO](#)

3. INSTALL REAR WHEEL HOUSE LINER RH

NOTICE:

To provide a better overview: Schematic diagram with partially hidden components.



(a) Guide the rear wheel arch cover (3) in.

(b) Tighten the bolts (1) and nuts (2).

Torque:

Screw :

2.6 N·m { 27 kgf·cm, 23 in·lbf }

Nut :

2.6 N·m { 27 kgf·cm, 23 in·lbf }

4. INSTALL WHEEL ASSEMBLY

Click here [INFO](#)

5. FILLING FUEL TANK WITH FUEL

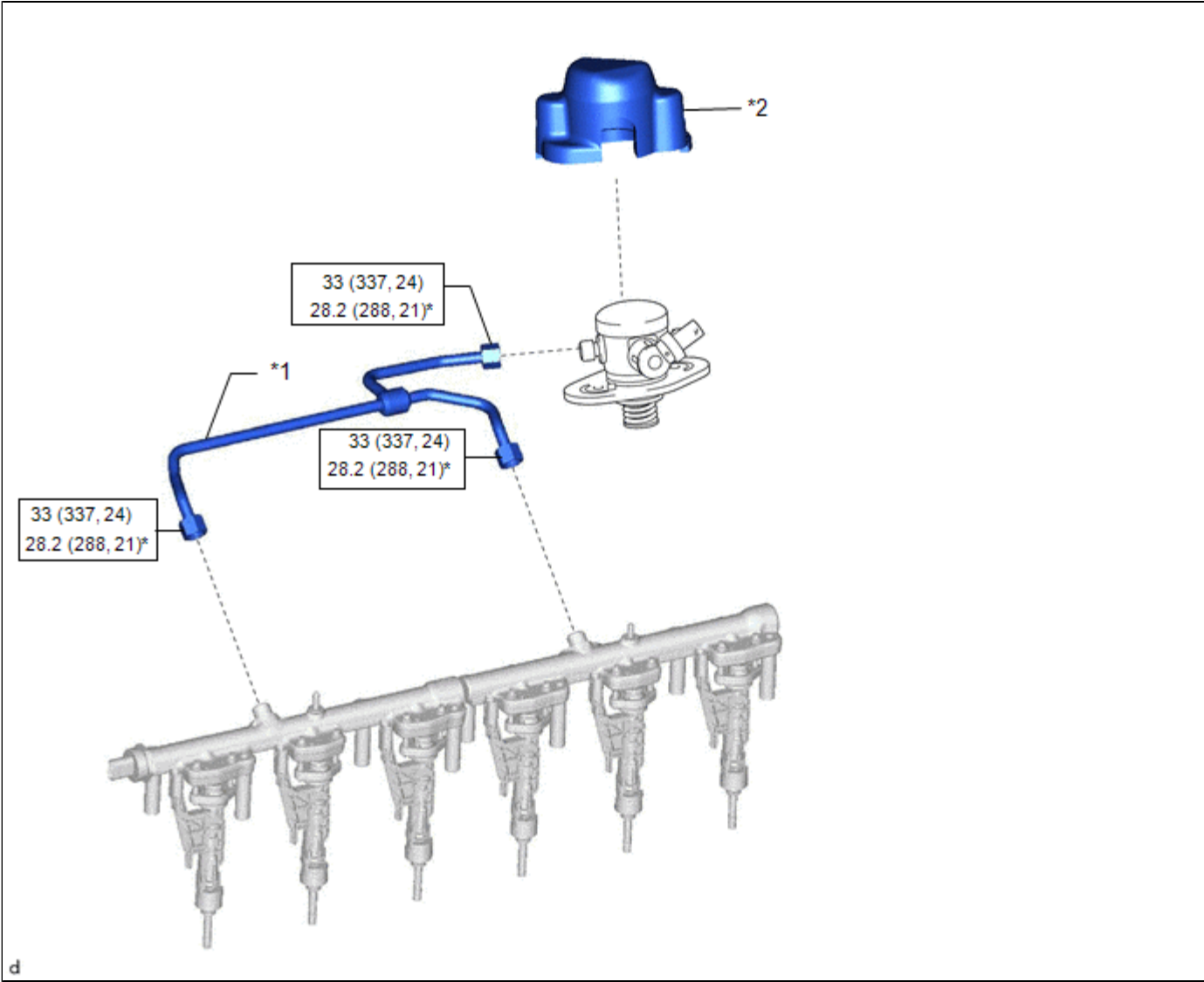
Click here



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5J
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL TUBE (for Front): COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	NO. 1 FUEL PIPE SUB-ASSEMBLY	*2	NO. 2 ENGINE COVER SUB-ASSEMBLY
	N*m (kgf*cm, ft.*lbf): Specified torque	*	For use with a union nut wrench

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5K
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL TUBE (for Front): REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Working on fuel system.

Risk of fire! Danger of explosion!

- When working on the fuel system, make sure that the workbay is sufficiently ventilated, e.g. using extraction unit.
- Tightly seal off open lines and connections; collect any escaping fuel directly at the point of exit.
- No fire, sparks, open flames or smoking.

- On releasing high pressure line, fuel may emerge at high speed.

Danger of injury!

- Wear suitable personal protective equipment.
- Allow the cooling system to cool down to a temperature below 40°C before starting installation work.
- Note warnings on cylinder head cover.

NOTICE:

- Damage to battery terminal, the safety battery terminal or the intelligent battery sensor (IBS).

Damaged battery terminals can lead to malfunctions or vehicle electrical system faults.

- Pull off battery terminal from battery pole by carefully moving to and fro. Do not pry off using a tool.

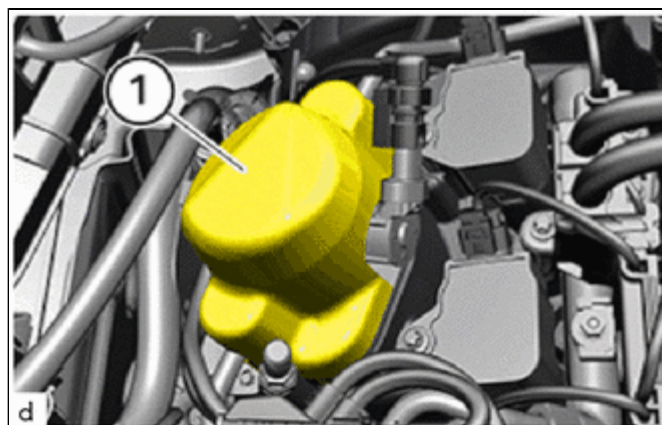
PROCEDURE

1. REMOVE IGNITION COIL ASSEMBLY

Click here [INFO](#)

2. REMOVE NO.2 ENGINE COVER SUB-ASSEMBLY

- (a) Guide out and remove the cover of the high pressure pump (1).



3. REMOVE NO. 1 FUEL PIPE SUB-ASSEMBLY

CAUTION:

- Working on fuel system.

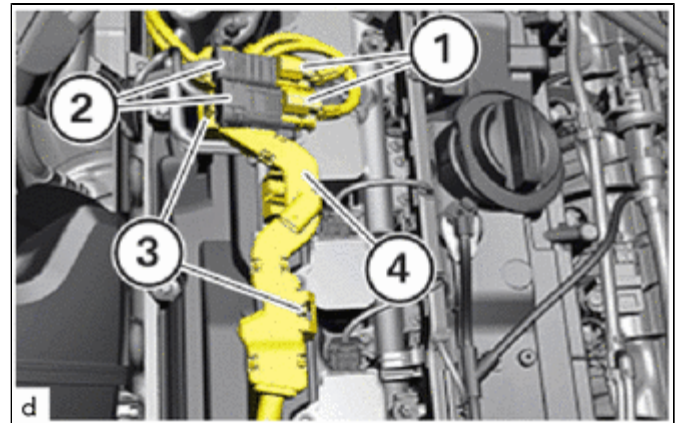
Risk of fire! Danger of explosion!

- When working on the fuel system, make sure that the workbay is sufficiently ventilated, e.g. using extraction unit.
- Tightly seal off open lines and connections; collect any escaping fuel directly at the point of exit.
- No fire, sparks, open flames or smoking.

HINT:

Collect and dispose of emerging fluids. Observe country-specific waste disposal regulations.

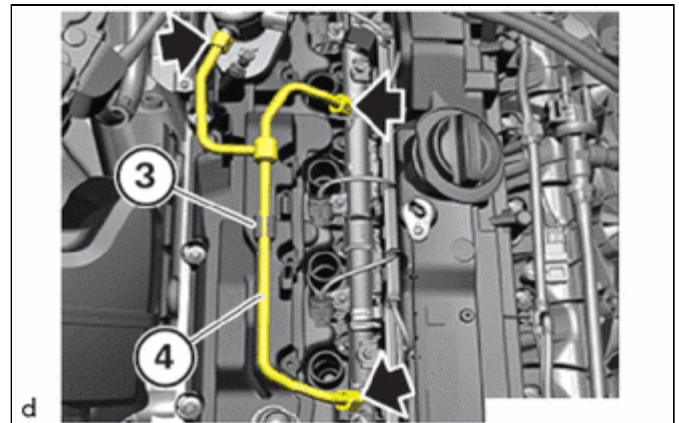
(a) Unlock and disconnect the plug connections (1) and (2).



(b) Unlock the locks (3).

(c) Guide out the wiring harness section of the engine wiring harness (4) and set it aside.

(d) Unscrew union nuts (arrows) with the 17 mm union nut wrench.



(e) Catch and dispose of escaping fuel.

(f) Thread out the No. 1 fuel pipe sub-assembly (4) from the bracket (3) and remove it.



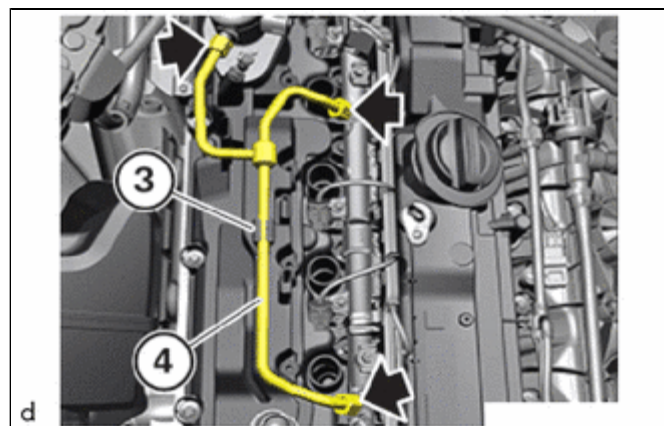
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5L
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL TUBE (for Front): INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL NO. 1 FUEL PIPE SUB-ASSEMBLY

- (a) Insert the No. 1 fuel pipe sub-assembly (4) into the holder (3) and install.



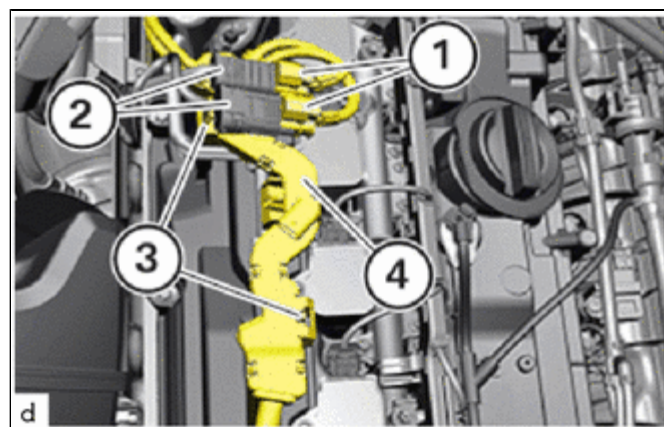
- (b) Tighten union nuts (arrows) with the 17 mm union nut wrench.

Torque:

33 N·m {337 kgf·cm, 24 ft·lbf}

- (c) Insert and install the wiring harness section of the engine wiring harness (4).

- (1) The locks (3) must engage audibly.

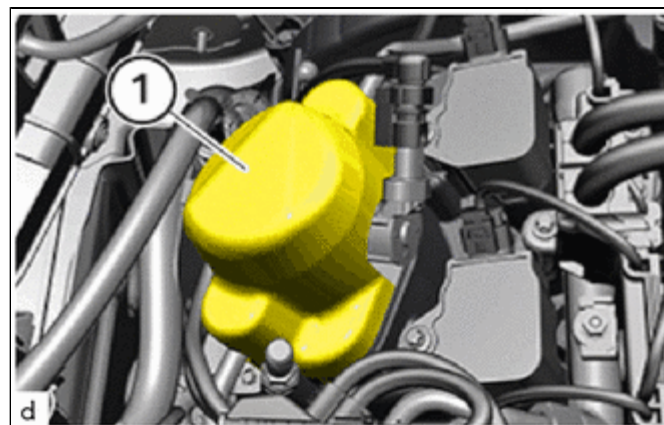


- (d) Connect connectors (1) and (2) and lock.

- (1) The connectors (1) and (2) must audibly engage.

2. INSTALL NO.2 ENGINE COVER SUB-ASSEMBLY

(a) Guide in and install No.2 engine cover sub-assembly (1).



3. INSTALL IGNITION COIL ASSEMBLY

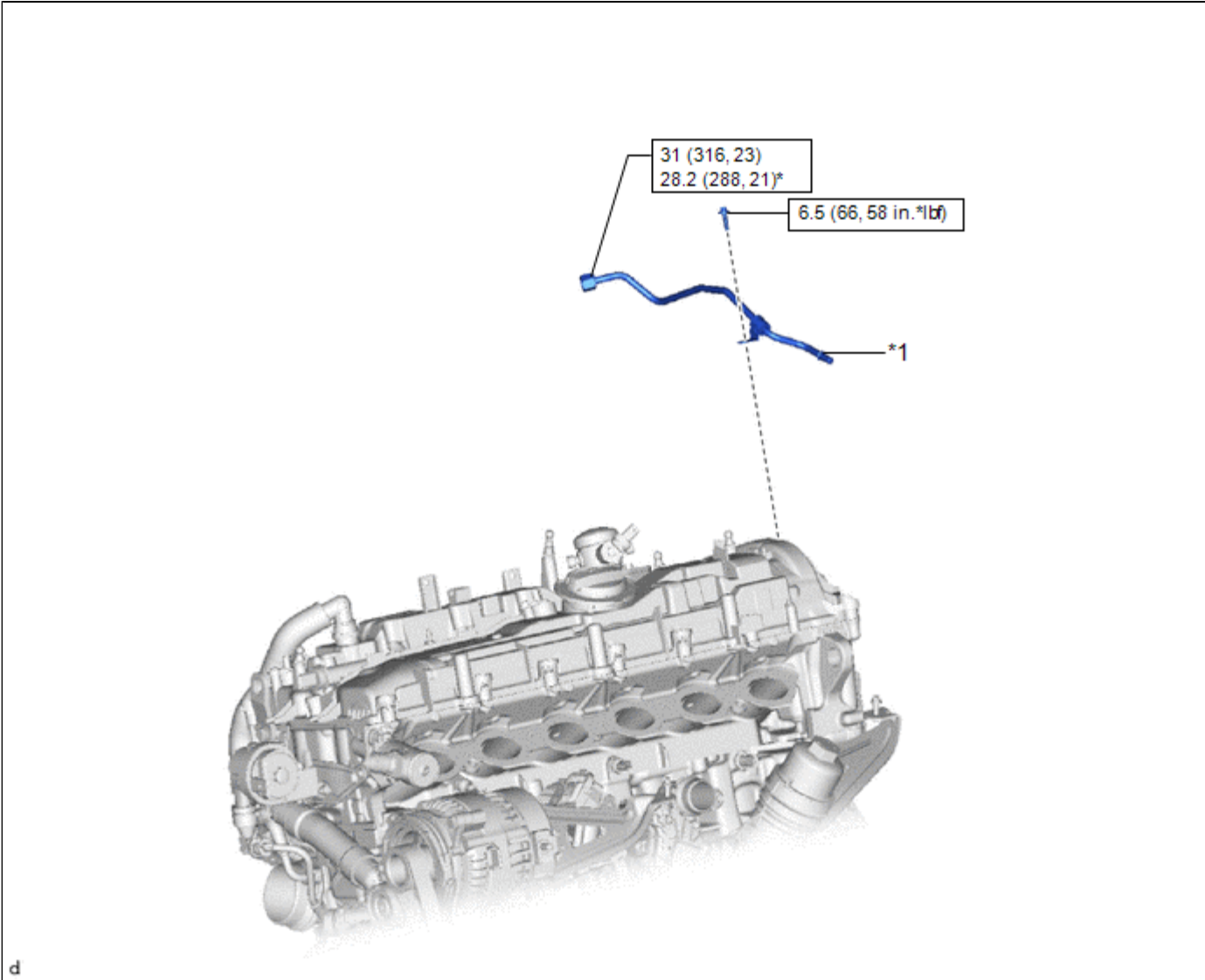
Click here [INFO](#)



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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL TUBE (for Rear): COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	NO. 2 FUEL PIPE SUB-ASSEMBLY	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	*	For use with a union nut wrench

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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL TUBE (for Rear): REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Working on 12 V vehicle electrical system.

Risk of short circuits! Risk of fire!

- Detach battery earth lead from battery.

NOTICE:

- Damage to battery terminal, the safety battery terminal or the intelligent battery sensor (IBS).

Damaged battery terminals can lead to malfunctions or vehicle electrical system faults.

- Pull off battery terminal from battery pole by carefully moving to and fro. Do not pry off using a tool.

PROCEDURE

1. REMOVE NO.2 ENGINE COVER SUB-ASSEMBLY

Click here [INFO](#)

2. REMOVE NO. 2 FUEL PIPE SUB-ASSEMBLY

CAUTION:

- Working on fuel system.

Risk of fire! Danger of explosion!

- When working on the fuel system, make sure that the workbay is sufficiently ventilated, e.g. using extraction unit.
- Tightly seal off open lines and connections; collect any escaping fuel directly at the point of exit.
- No fire, sparks, open flames or smoking.

- On releasing high pressure line, fuel may emerge at high speed.

Danger of injury!

- Wear suitable personal protective equipment.
- Allow the cooling system to cool down to a temperature below 40°C before starting installation work.
- Note warnings on cylinder head cover.

NOTICE:

- Electrostatic discharge.

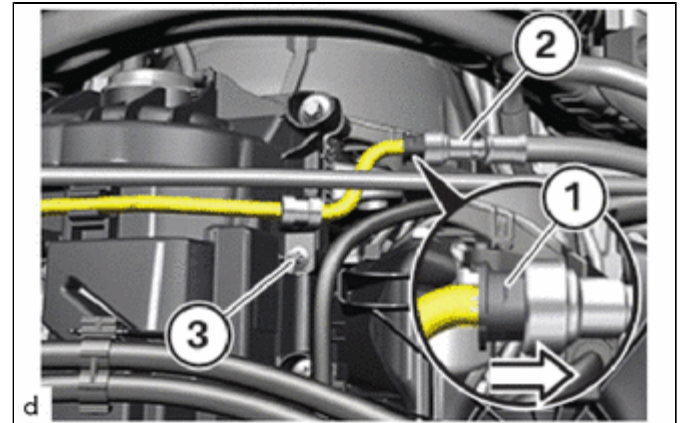
Damage to or destruction of electrical components.

- Leave electrical components in original packaging until just before they are installed. Use the original packaging only for any return shipments. Always package removed components straight away.
- Read and comply with user information on using the associated special tool 12 7 060.
- Only touch the housings of electrical components. Do not touch pins or multi-pin connectors directly.
- Wear electrically conductive clothing and antistatic shoes (with ESD symbol).
- For additional information see: 61 35 Information on electrostatic discharge (ESD) protection.

HINT:

Collect and dispose of emerging fluids. Observe country-specific waste disposal regulations.

(a) Unlock the snap fastener (1) in the direction of the arrow.

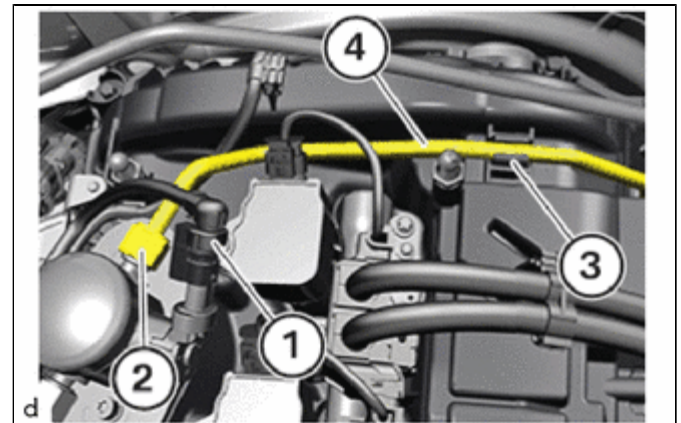


(b) Loosen fuel line (2) and place to one side.

(c) Catch and dispose of escaping fuel.

(d) Loosen screw (3).

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



(f) Release the union nut (2) with the 17 mm union nut wrench on the high pressure pump.

(g) Catch and dispose of escaping fuel.

(h) Guide the No. 2 fuel pipe sub-assembly (4) out of the holder (3).

(i) Guide the No. 2 fuel pipe sub-assembly (4) out and remove.

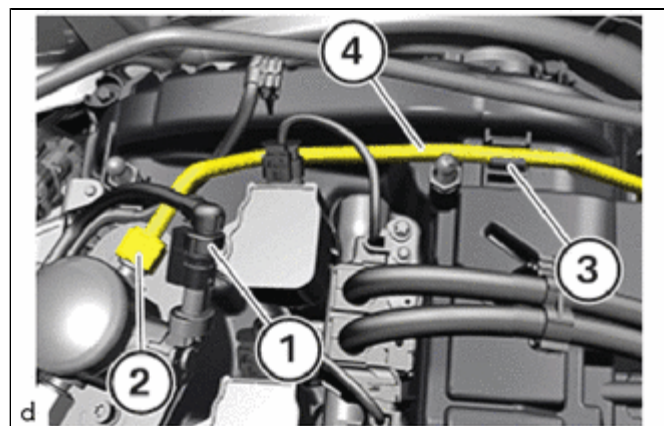
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD69
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL TUBE (for Rear): INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL NO. 2 FUEL PIPE SUB-ASSEMBLY

(a) Guide the No. 2 fuel pipe sub-assembly (4) in and install.



(b) Insert the No. 2 fuel pipe sub-assembly (4) into the holder (3).

(c) Tighten the union nut (2) with the 17 mm union nut wrench.

Torque:

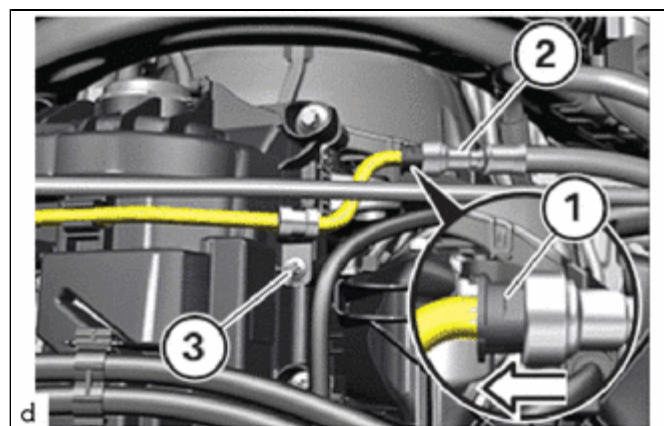
31 N·m {316 kgf·cm, 23 ft·lbf}

(d) Connect connectors (1) and lock.

(1) The connector (1) must engage audibly.

(e) Slide the fuel line (2) on and lock.

(1) The fuel feed line must engage audibly.



(f) Make sure the snap fastener (1) engages correctly.

(g) Tighten down screw (3).

Torque:

6.5 N·m { 66 kgf·cm, 58 in·lbf }

2. INSTALL NO.2 ENGINE COVER SUB-ASSEMBLY

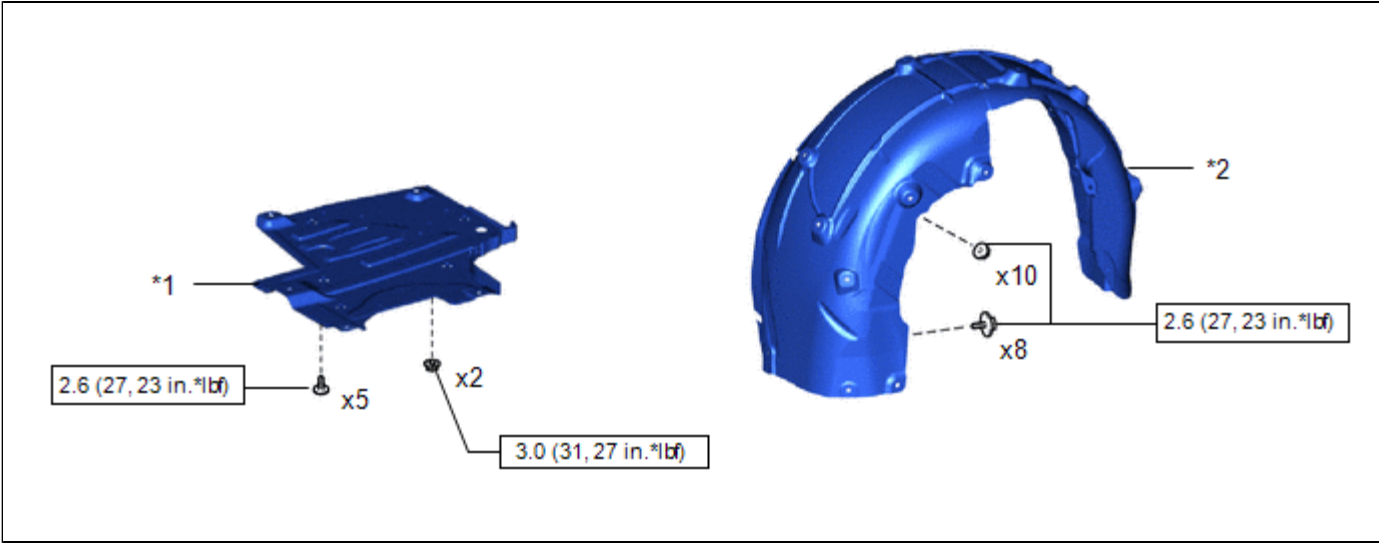
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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL-FILLER PIPE: COMPONENTS; 2020 MY Supra [03/2019 -]		

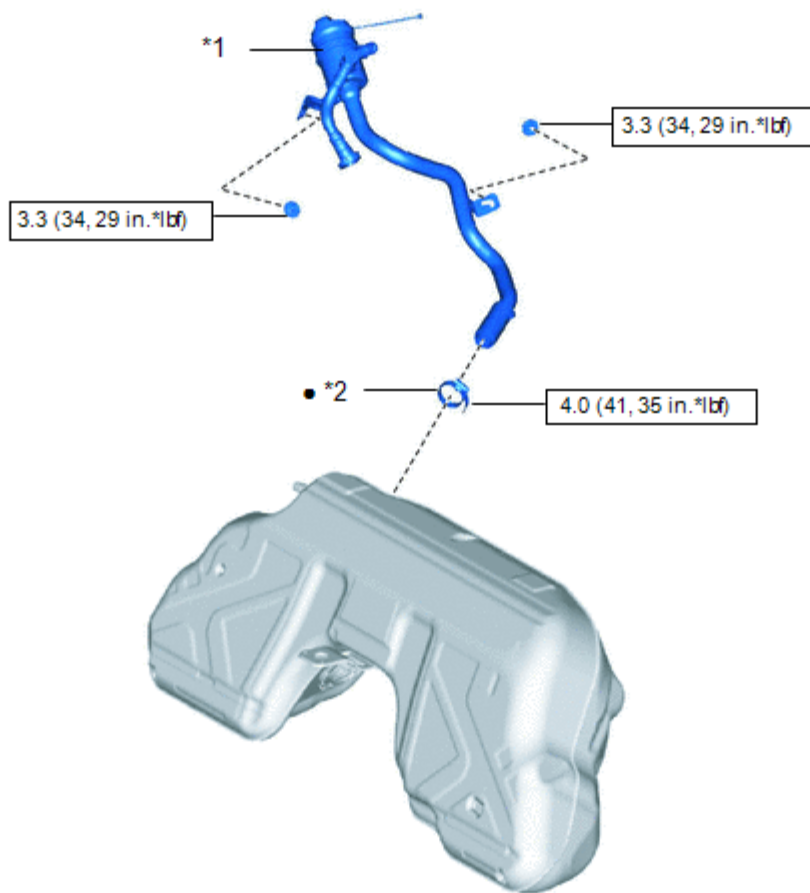
COMPONENTS

ILLUSTRATION



*1	REAR FLOOR SIDE MEMBER COVER LH	*2	REAR WHEEL HOUSE LINER RH
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

ILLUSTRATION



*1	FUEL FILLER PIPE	*2	HOSE CLAMP
	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: B58 (FUEL): FUEL-FILLER PIPE: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

PROCEDURE

1. REMOVE WHEEL ASSEMBLY

Click here [INFO](#)

2. REMOVE REAR WHEEL HOUSE LINER RH

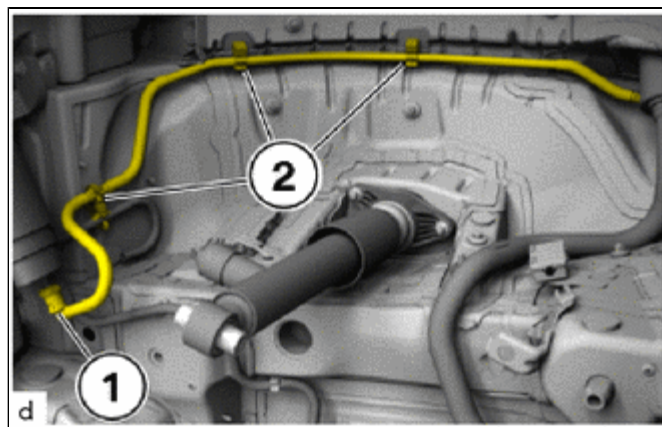
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3. REMOVE REAR FLOOR SIDE MEMBER COVER LH

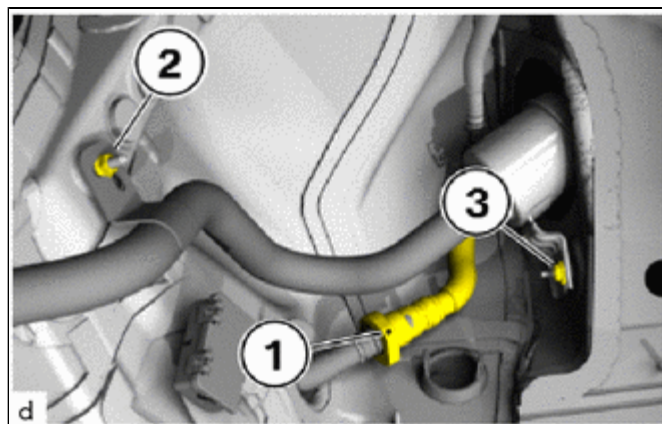
Click here [INFO](#)

4. REMOVE FUEL FILLER PIPE

(a) Unlock and pull off snap fastener (1).

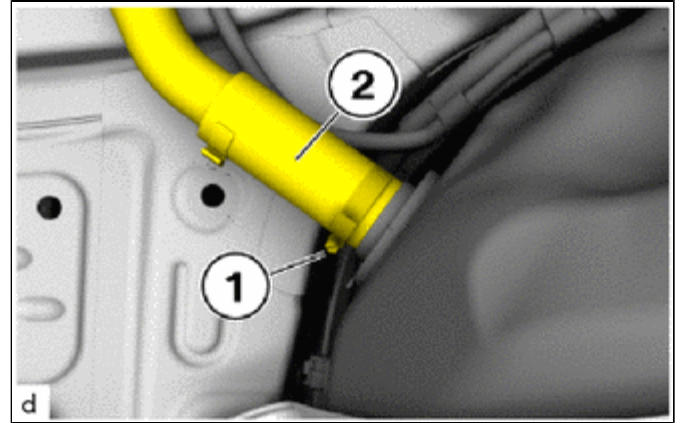


(b) Unclip tank ventilation line from brackets (2).



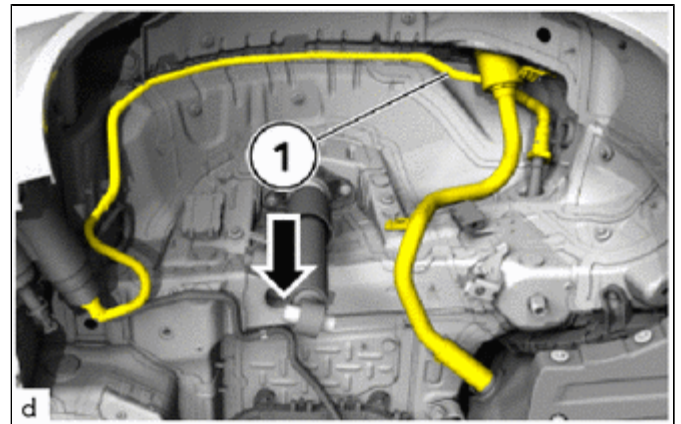
(c) Unlock and pull off snap fastener (1).

(d) Loosen nuts (2) and (3).



(e) Loosen hose clamp (1).

(f) Pull the rubber hose (2) off the fuel tank.



(g) Guide out fuel filler pipe (1) downwards with the corresponding tank ventilation line.

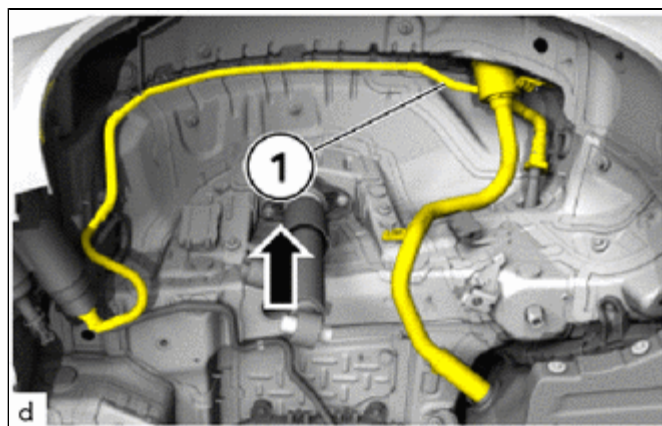
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD5R
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (FUEL): FUEL-FILLER PIPE: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

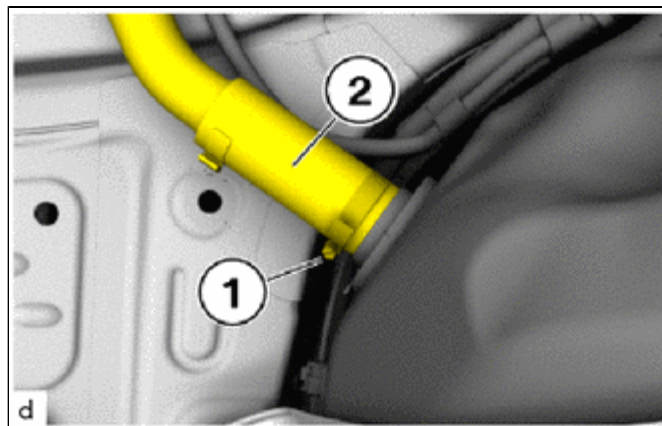
PROCEDURE

1. INSTALL THE FUEL FILLER PIPE

- (a) Thread the fuel filler pipe (1) with the associated tank ventilation line upward.



- (b) Connect the rubber hose (2) with the fuel tank.



- (c) Replace the hose clamp (1).

- (d) Tighten the hose clamp (1).

Torque:

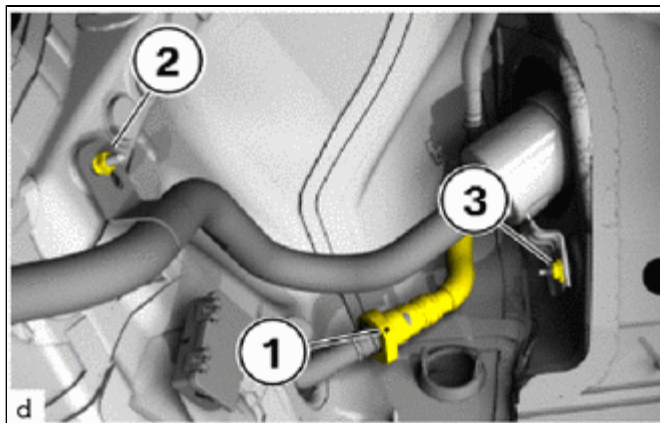
4.0 N·m { 41 kgf·cm, 35 in·lbf }

- (e) Connect and lock the snap fastener (1).

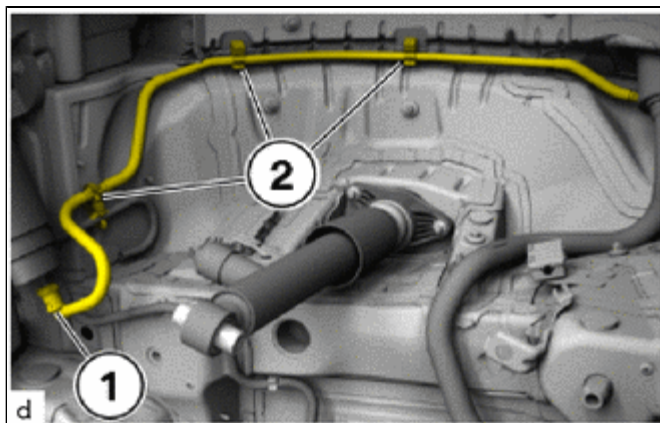
(f) Tighten nuts (2) and (3).

Torque:

3.3 N·m {34 kgf·cm, 29 in·lbf}

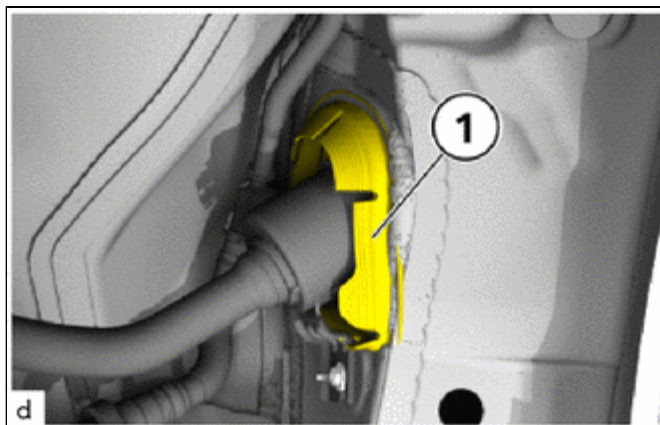


(g) Connect and lock the snap fastener (1).



(h) Clip the tank ventilation line into the brackets (2).

(i) Check the sealing lip (1) on the wheel arch for correct fit.



2. INSTALL REAR FLOOR SIDE MEMBER COVER LH

Click here [INFO](#)

3. INSTALL REAR WHEEL HOUSE LINER RH

Click here [INFO](#)

4. INSTALL WHEEL ASSEMBLY

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