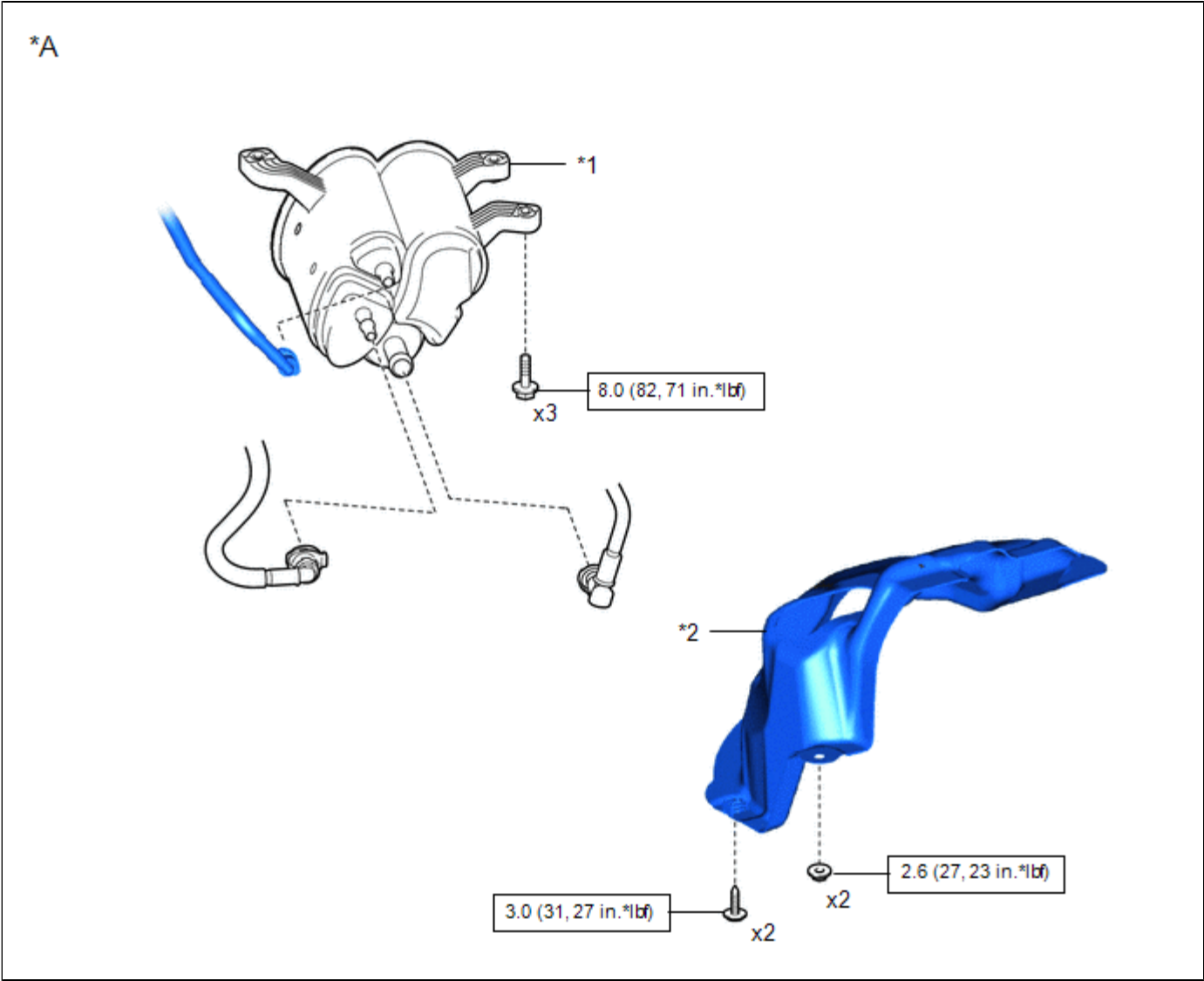


Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD7S
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): CANISTER: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

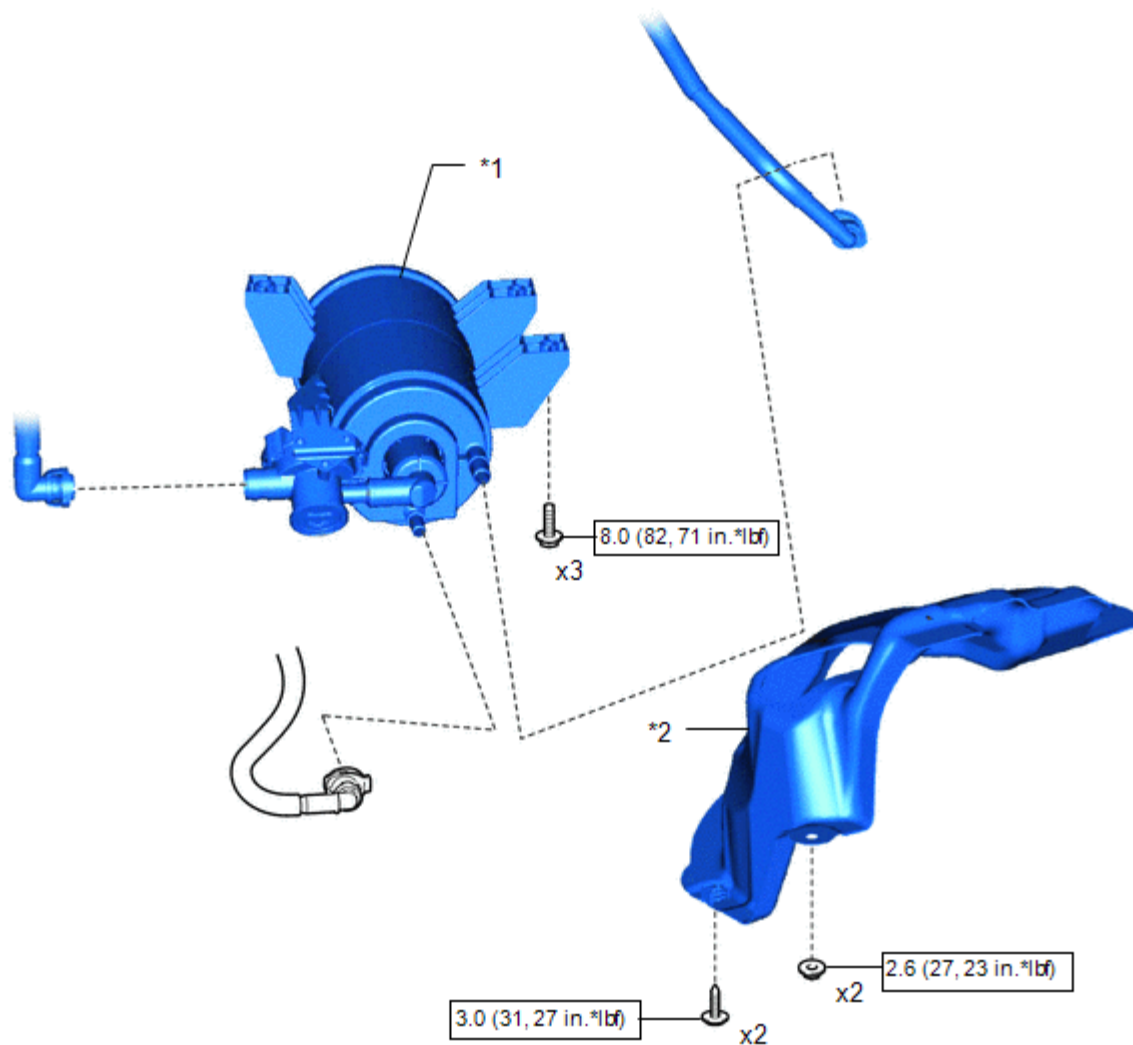
ILLUSTRATION



*A	for Type A	-	-
*1	CHARCOAL CANISTER SUB-ASSEMBLY	*2	MAIN MUFFLER HEAT INSULATOR RH
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

ILLUSTRATION

*A



*A	for Type B	-	-
*1	CHARCOAL CANISTER SUB-ASSEMBLY	*2	MAIN MUFFLER HEAT INSULATOR RH
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD7T
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): CANISTER: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

PROCEDURE

1. REMOVE REAR RIGHT WHEEL

Click here [INFO](#)

2. REMOVE EXHAUST PIPE ASSEMBLY

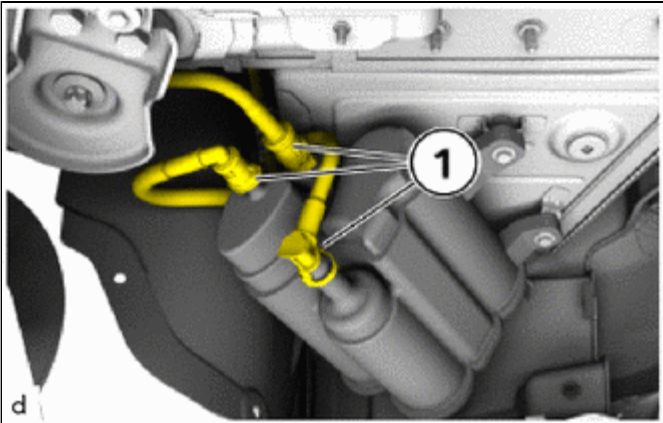
Click here [INFO](#)

3. REMOVE MAIN MUFFLER HEAT INSULATOR RH

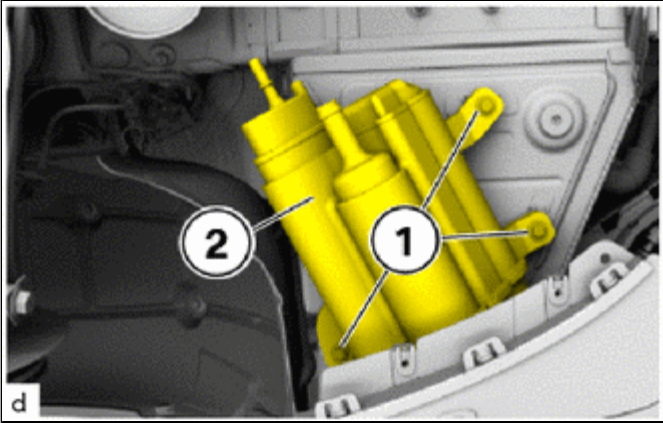
Click here [INFO](#)

4. REMOVE CHARCOAL CANISTER SUB-ASSEMBLY (for Type A)

(a) Unlock and pull off the snap fasteners (1).

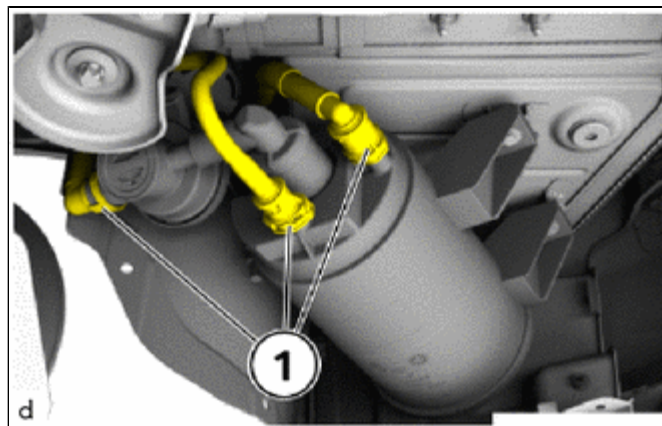


(b) Unscrew the screws (1) and remove the charcoal canister sub-assembly (2).

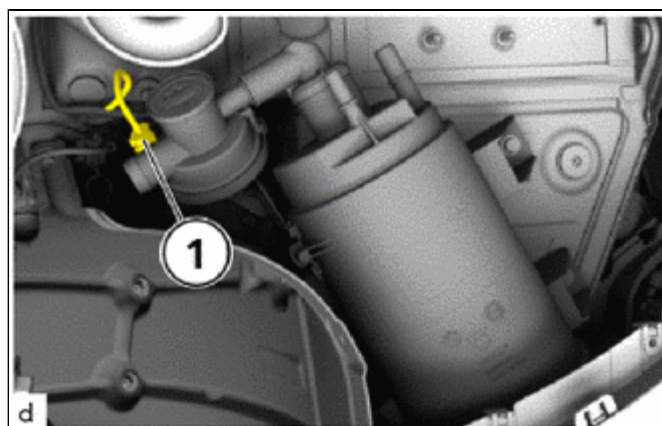


5. REMOVE CHARCOAL CANISTER SUB-ASSEMBLY (for Type B)

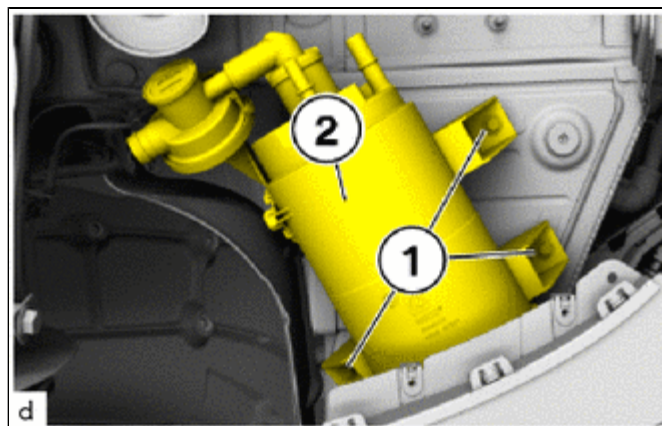
(a) Unlock and pull off the snap fasteners (1).



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



(c) Unscrew the screws (1) and remove the charcoal canister sub-assembly (2).



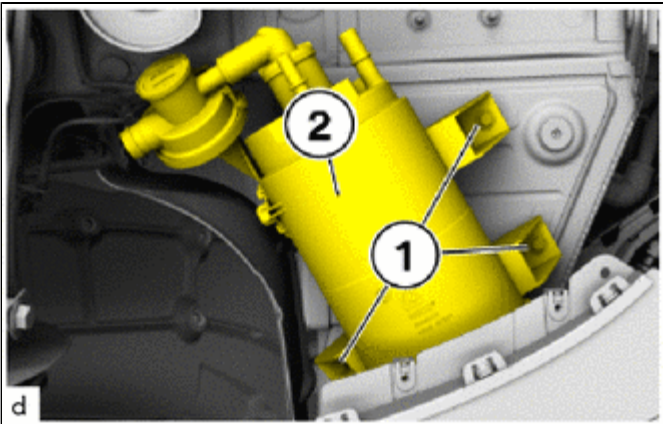
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD7U
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): CANISTER: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL CHARCOAL CANISTER SUB-ASSEMBLY (for Type B)

(a) Position charcoal canister sub-assembly (2).



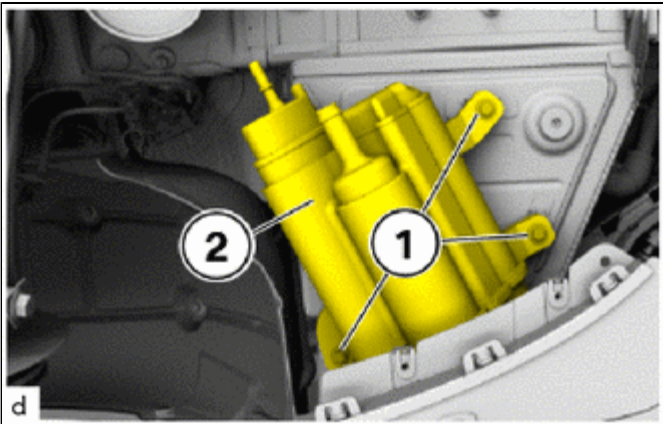
(b) Tighten the screws (1).

Torque:
8.0 N·m {82 kgf·cm, 71 in·lbf}

(c) Connect connectors and lock.
(d) Connect and lock the snap fasteners.

2. INSTALL CHARCOAL CANISTER SUB-ASSEMBLY (for Type A)

(a) Position charcoal canister sub-assembly (2).



(b) Tighten the screws (1).

Torque:
8.0 N·m {82 kgf·cm, 71 in·lbf}

(c) Connect and lock the snap fasteners.

3. INSTALL MAIN MUFFLER HEAT INSULATOR RH

Click here [INFO](#)

4. INSTALL EXHAUST PIPE ASSEMBLY

Click here [INFO](#)

5. INSTALL REAR RIGHT WHEEL

Click here [INFO](#)

6. CLEAN CONTACT SURFACES BETWEEN THE BRAKE DISC AND THE WHEEL RIM

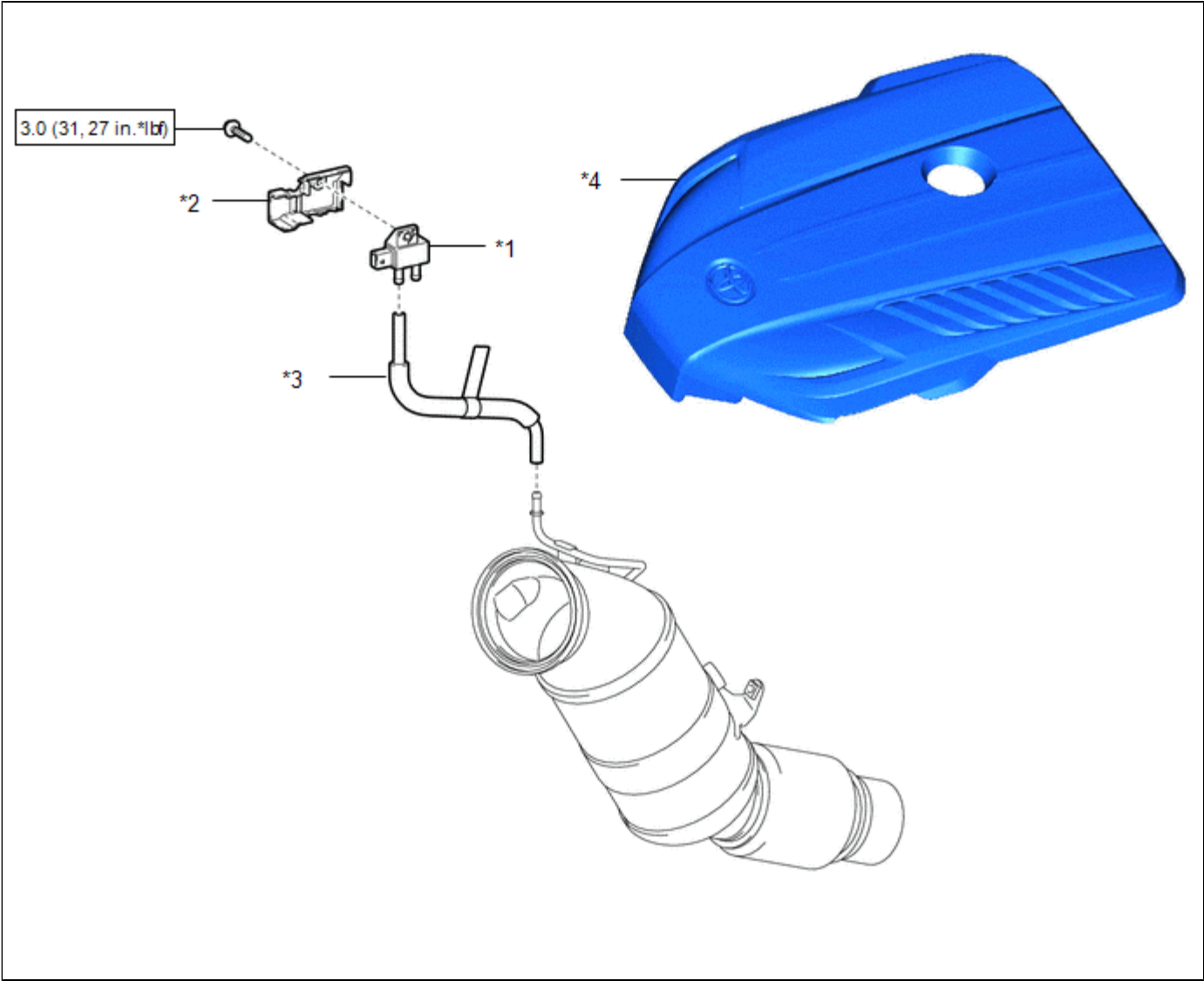
Click here [INFO](#)



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD7V
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): DIFFERENTIAL PRESSURE SENSOR: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	DIFFERENTIAL PRESSURE SENSOR	*2	SENSOR COVER
*3	VACUUM TRANSMITTING HOSE ASSEMBLY	*4	NO. 1 ENGINE COVER SUB-ASSEMBLY
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD7W
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): DIFFERENTIAL PRESSURE SENSOR: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

PROCEDURE

1. REMOVE NO. 1 ENGINE COVER SUB-ASSEMBLY

Click here [INFO](#)

2. REMOVE DIFFERENTIAL PRESSURE SENSOR

NOTICE:

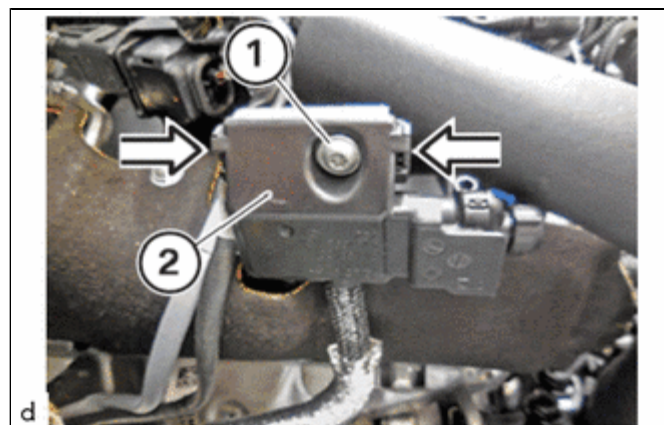
- Electrostatic discharge.

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](#)

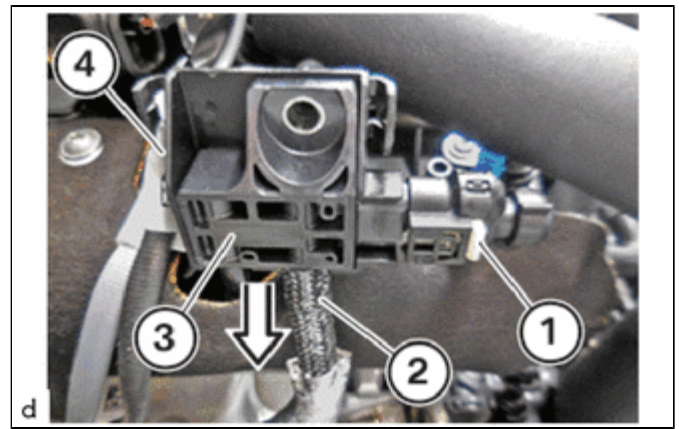
(a) Loosen E6 screw (1).



(b) Release the locks (arrows).

(c) Guide out and remove the sensor cover (2).

(d) Unlock and loosen connector (1).



- (e) Pull off the vacuum transmitting hose assembly (2) from the differential pressure sensor (3) in the direction of arrow and place it to one side.
- (f) Guide the differential pressure sensor (3) out of the holder (4) and remove.

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD7X
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): DIFFERENTIAL PRESSURE SENSOR: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL DIFFERENTIAL PRESSURE SENSOR

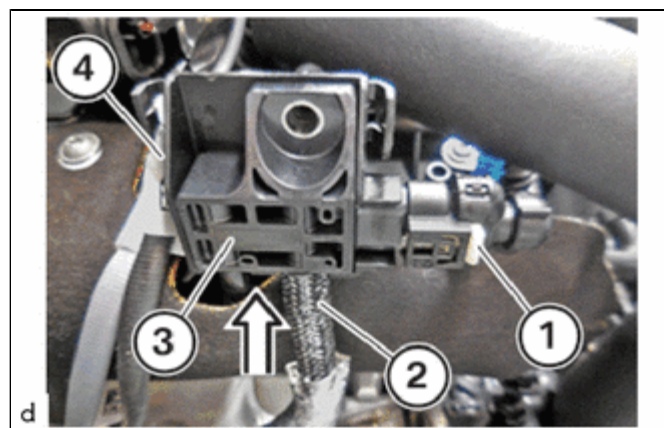
HINT:

Check the vacuum transmitting hose assembly on the pressure sensor and/or the differential pressure sensor. Replace hardened vacuum transmitting hose assembly. Check connection on pressure pipe and pressure sensor for leaks.

- (a) Thread in differential pressure sensor (3) on the holder (4) and install.

HINT:

The differential pressure sensor (3) must engage audibly.



- (b) Check the vacuum transmitting hose assembly (2) for damage and replace where required.

HINT:

The vacuum transmitting hose assembly (2) must not be hardened or damaged.

- (c) Push the vacuum transmitting hose assy (2) in the direction of arrow till the limit position on the differential pressure sensor (3).
 (d) Connect and lock the connector (1).

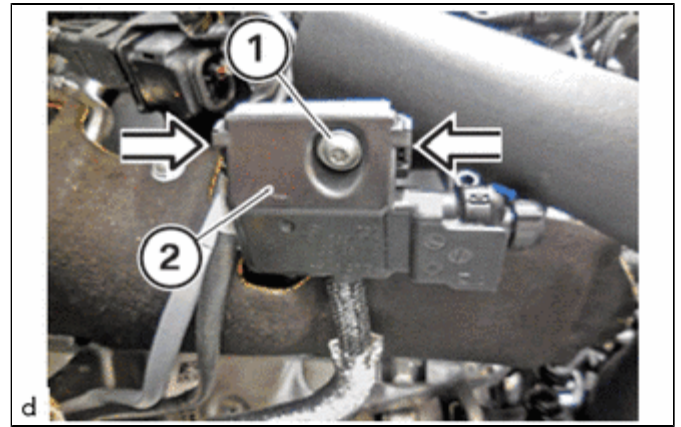
HINT:

The connector (1) must engage audibly.

- (e) Guide in and install sensor cover (2).

HINT:

The cover (2) must engage audibly into the locks (arrows).



(f) Tighten down E6 screw (1).

Torque:

3.0 N·m {31 kgf·cm, 27 in·lbf}

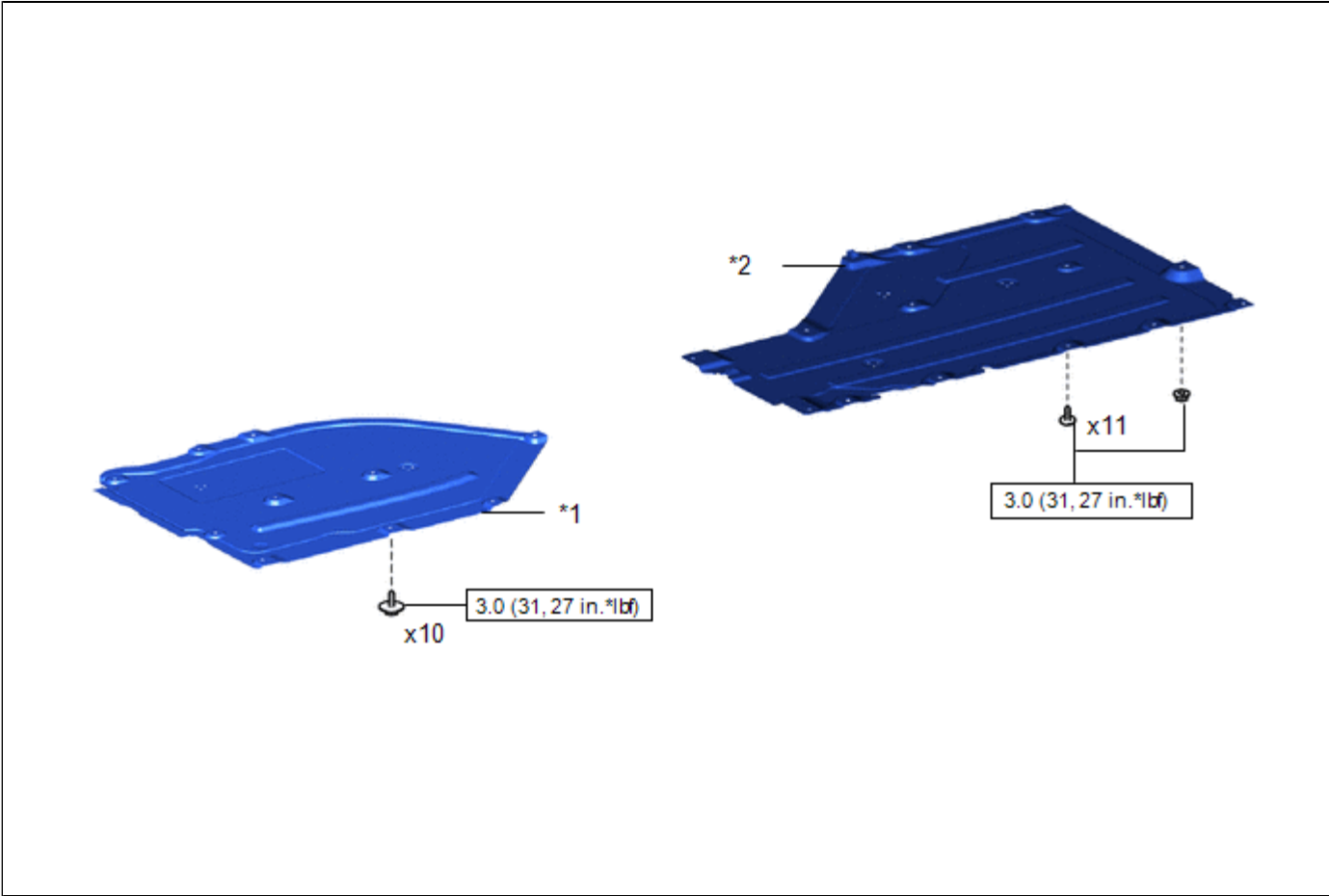
2. INSTALL NO. 1 ENGINE COVER SUB-ASSEMBLY

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD8A
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): FUEL EMISSION TUBE (for Center): COMPONENTS; 2020 MY Supra [03/2019 -]		

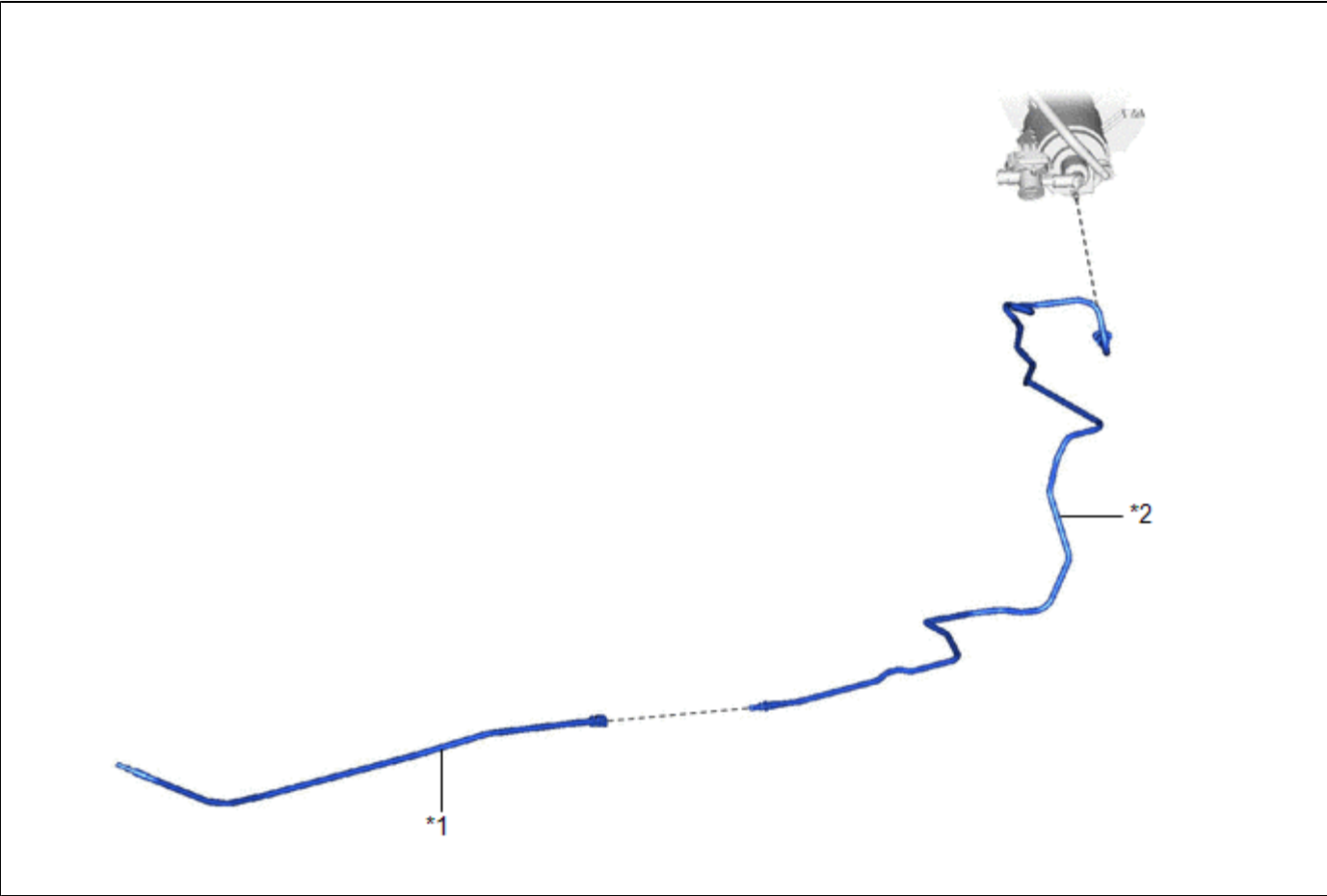
COMPONENTS

ILLUSTRATION



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

ILLUSTRATION



*1	NO. 2 FUEL EMISSION TUBE	*2	NO. 1 FUEL EMISSION TUBE
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Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD8B
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): FUEL EMISSION TUBE (for Center): 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 FLOOR COVER LH

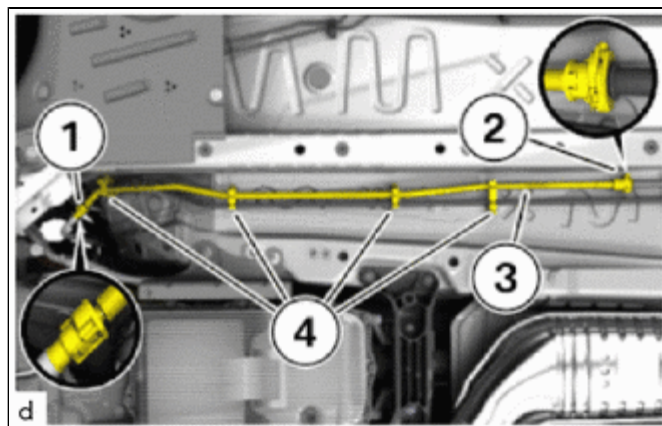
Click here [INFO](#)

2. REMOVE FRONT FLOOR COVER

Click here [INFO](#)

3. REMOVE NO. 2 FUEL EMISSION TUBE

(a) Unlock and disconnect snap fastener (1).



(b) Unlock and disconnect snap fastener (2).

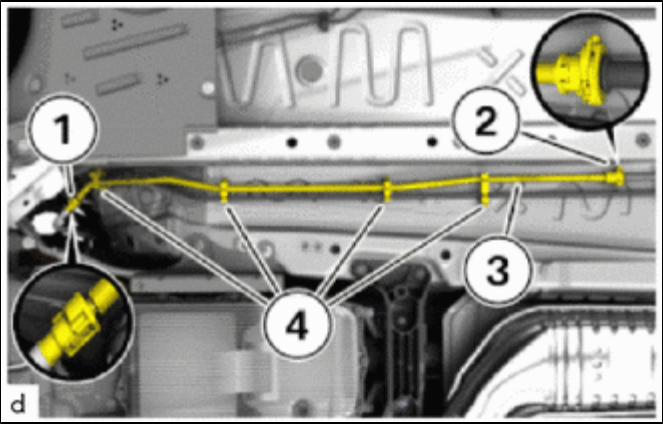
(c) Unclip No. 2 fuel emission tube (3) from the brackets (4) and remove.

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD8C
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): FUEL EMISSION TUBE (for Center): INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL NO. 2 FUEL EMISSION TUBE



- (a) Attach the No. 2 fuel emission tube and clip into the bracket.
- (b) Position snap fastener and lock.

2. INSTALL FRONT FLOOR COVER

Click here [INFO](#)

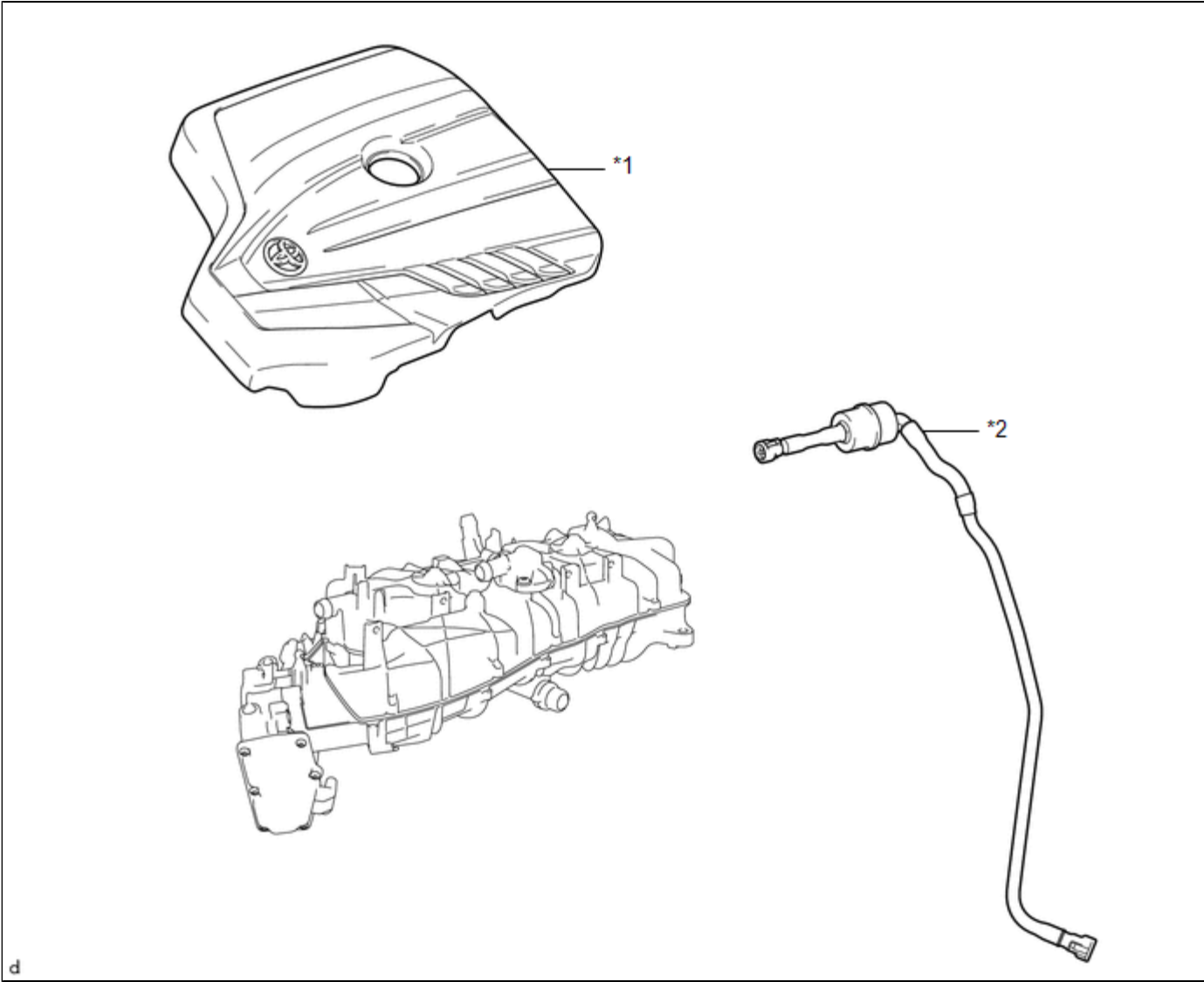
3. INSTALL FRONT FLOOR COVER LH

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD87
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): FUEL EMISSION TUBE (for Front): COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	NO. 1 ENGINE COVER SUB-ASSEMBLY	*2	NO. 2 FUEL VAPOR FEED HOSE
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Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD88
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): FUEL EMISSION TUBE (for Front): REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Hot surfaces.

Risk of burning!

- Perform all work only on components that have cooled down.

PROCEDURE

1. REMOVE FRONT WIPER MOTOR AND LINK ASSEMBLY

Click here [INFO](#)

2. REMOVE HOOD TO COWL TOP SEAL

Click here [INFO](#)

3. REMOVE UPPER FRONT SUSPENSION CENTER BRACE

Click here [INFO](#)

4. REMOVE NO.1 ENGINE COVER SUB-ASSEMBLY

Click here [INFO](#)

5. REMOVE COWL TOP VENTILATOR LOUVER PROTECTOR

Click here [INFO](#)

6. REMOVE NO. 1 ENGINE COVER

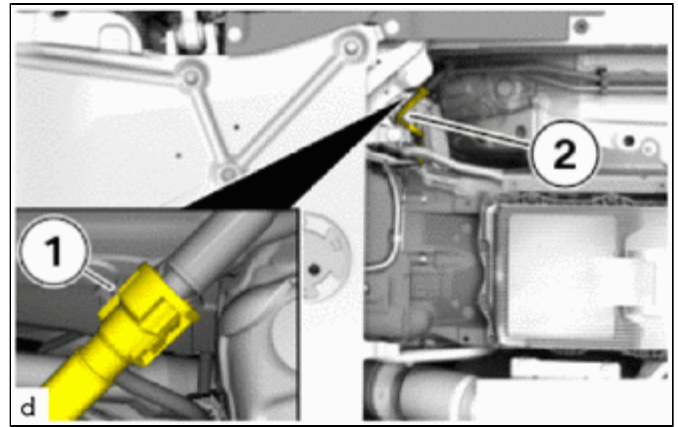
Click here [INFO](#)

7. REMOVE FRONT FLOOR COVER

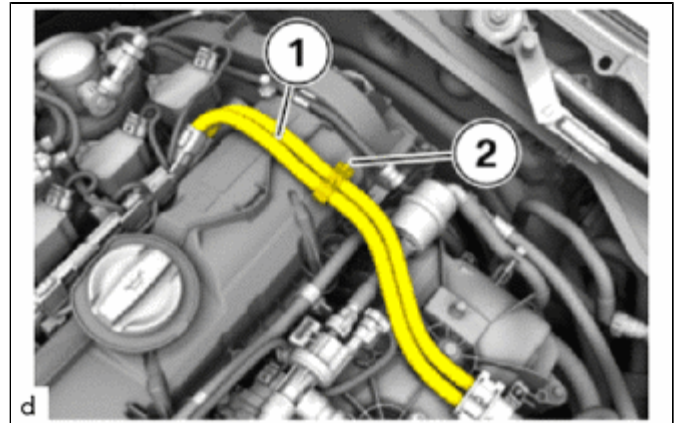
Click here [INFO](#)

8. REMOVE NO. 2 FUEL VAPOR FEED HOSE

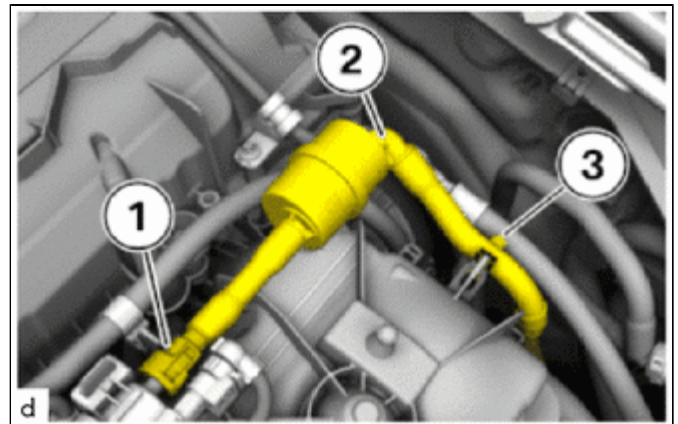
- (a) Unlock and disconnect snap fastener (1) of the No. 2 fuel vapor feed hose (2).



(b) Unclip the vehicle wiring harness (1) with the bracket (2) and place aside.



(c) Unlock and disconnect snap fastener (1) of the No. 2 fuel vapor feed hose (2).



(d) Unclip No. 2 fuel vapor feed hose (2) from the bracket (3).
 (e) Guide out No. 2 fuel vapor feed hose (2) upwards.

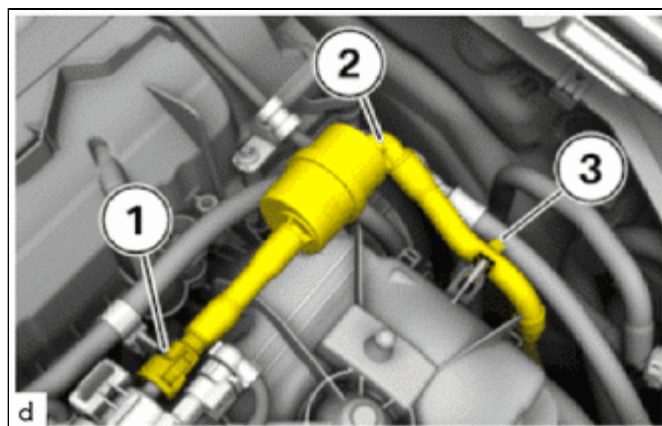
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD89
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): FUEL EMISSION TUBE (for Front): INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

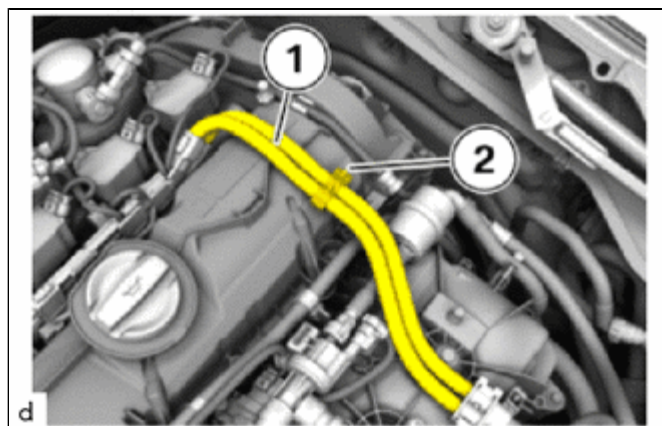
1. INSTALL NO. 2 FUEL VAPOR FEED HOSE

- (a) Feed in the No. 2 fuel vapor feed hose from the top and position it.



- (b) Clip the No. 2 fuel vapor feed hose into the bracket.
(c) Position snap fastener and lock.

- (d) Position the wiring harness and clip into place with the bracket.



- (e) Position snap fastener of the No. 2 fuel vapor feed hose and lock.

2. INSTALL FRONT FLOOR COVER

Click here [INFO](#)

3. INSTALL NO.1 ENGINE COVER

Click here [INFO](#)

4. INSTALL COWL TOP VENTILATOR LOUVER PROTECTOR

Click here [INFO](#)

5. INSTALL NO.1 ENGINE COVER SUB-ASSEMBLY

Click here [INFO](#)

6. INSTALL UPPER FRONT SUSPENSION CENTER BRACE

Click here [INFO](#)

7. INSTALL HOOD TO COWL TOP SEAL

Click here [INFO](#)

8. INSTALL FRONT WIPER MOTOR AND LINK ASSEMBLY

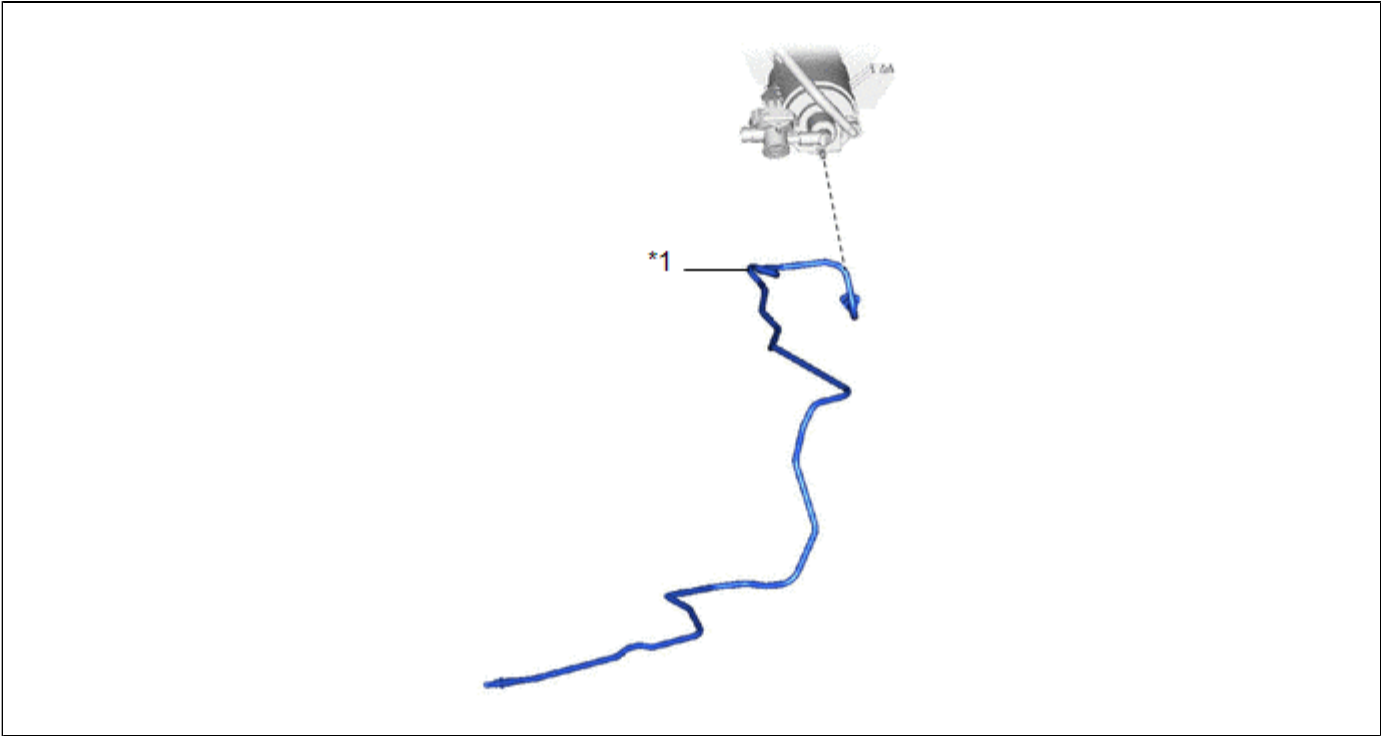
Click here [INFO](#)



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD8D
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): FUEL EMISSION TUBE (for Rear): COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	NO. 1 FUEL EMISSION TUBE	-	-
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Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD8E
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): FUEL EMISSION TUBE (for Rear): REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Vehicle falling down from a vehicle lift.

Danger to life!

- Observe Owner's Handbook for vehicle hoist.
- Do not exceed the approved load-carrying capacity and weight distribution of the vehicle lift.
- Depending on the load situation of the vehicle: Perform weight compensation, particularly during removal of heavy components, e.g. engine.
- Make sure the vehicle lift complies with the relevant statutory or country-specific accident prevention regulations and is serviced according to the regulations.
- Observe the instructions of the repair instructions when positioning the swivel arms.

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

Danger! Life-threatening injuries!

- Secure the vehicle hoist against lowering and lifting.

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

Danger! Life-threatening injuries!

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

HINT:

Perform wheel alignment after installation.

PROCEDURE

1. REMOVE REAR SUSPENSION MEMBER SUB-ASSEMBLY

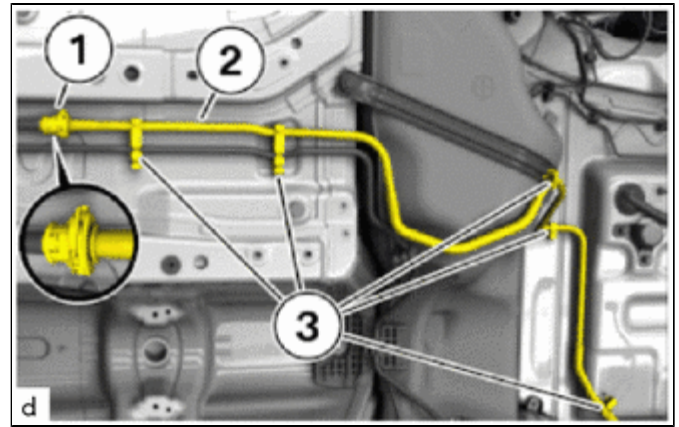
Click here [INFO](#)

2. REMOVE NO. 1 FUEL EMISSION TUBE (for Type A)

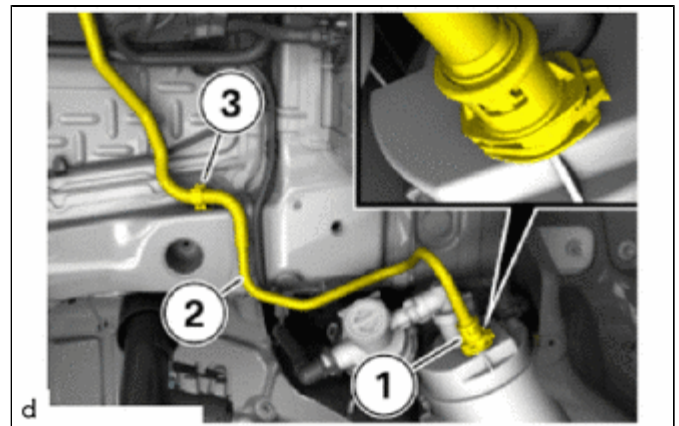
NOTICE:

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

(a) Unlock and disconnect snap fastener (1).



(b) Unclip rear purge air line (2) from the holders (3).



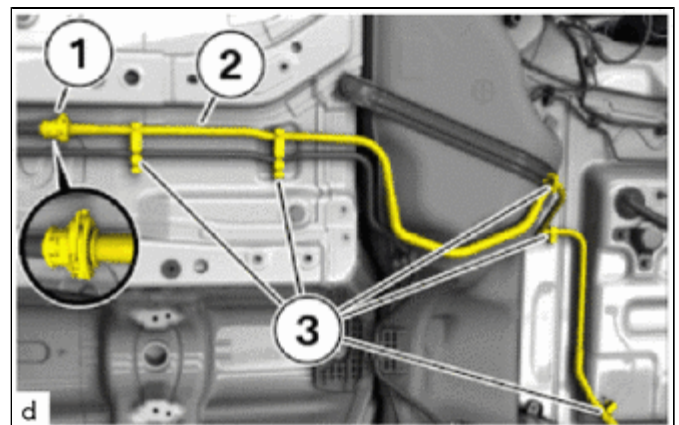
(c) Unlock and disconnect snap fastener (1).

(d) Feed out and remove No. 1 fuel emission tube (2) from the holder (3).

3. REMOVE NO. 1 FUEL EMISSION TUBE (for Type B)

NOTICE:

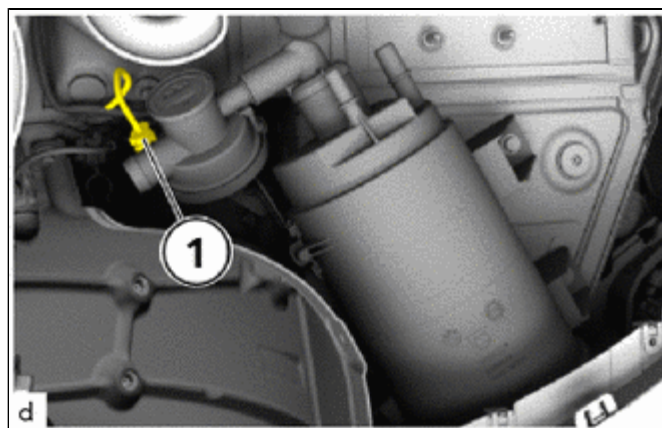
Schematic diagram is for example purposes. Some parts may differ in certain details.



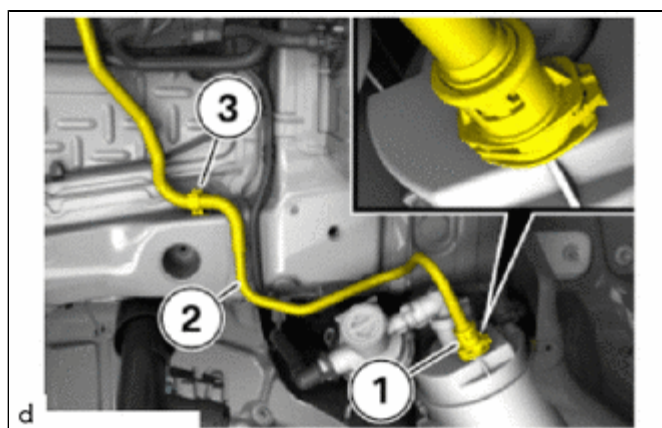
(a) Unlock and disconnect snap fastener (1).

(b) Unclip rear purge air line (2) from the holders (3).

(c) Unlock and disconnect the plug connection (1) (on the active carbon filter).



(d) Unlock and disconnect snap fastener (1).



(e) Feed out and remove No. 1 fuel emission tube (2) from the holder (3).

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD8F
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): FUEL EMISSION TUBE (for Rear): INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

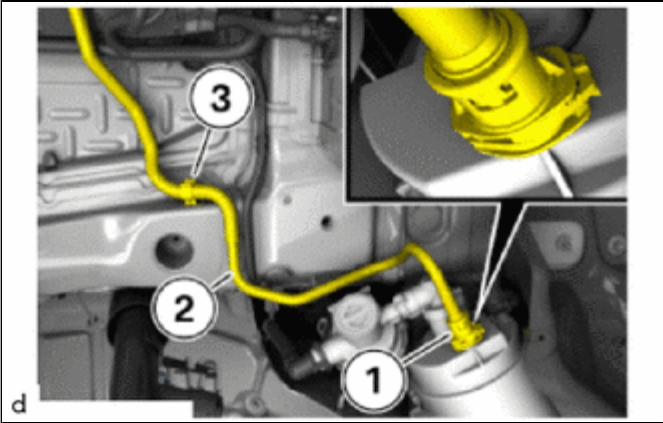
PROCEDURE

1. INSTALL NO. 1 FUEL EMISSION TUBE (for Type B)

NOTICE:

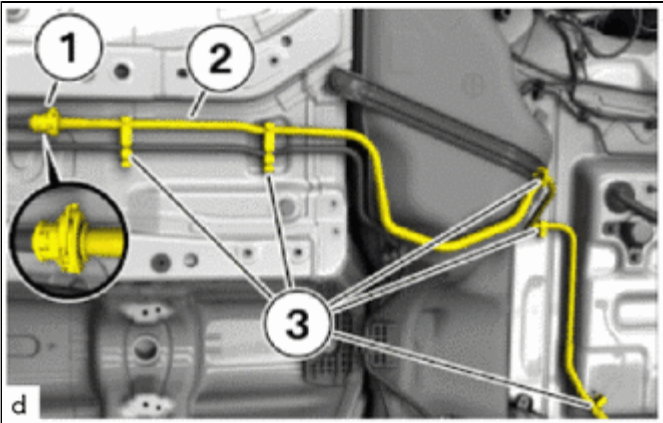
Schematic diagram is for example purposes. Some parts may differ in certain details.

(a) Feed in No. 1 fuel emission tube and clip it onto the holder.



- (b) Position snap fastener and lock.
- (c) Connect and lock connector (on the active carbon filter).

(d) Clip the purge air line into the holder.



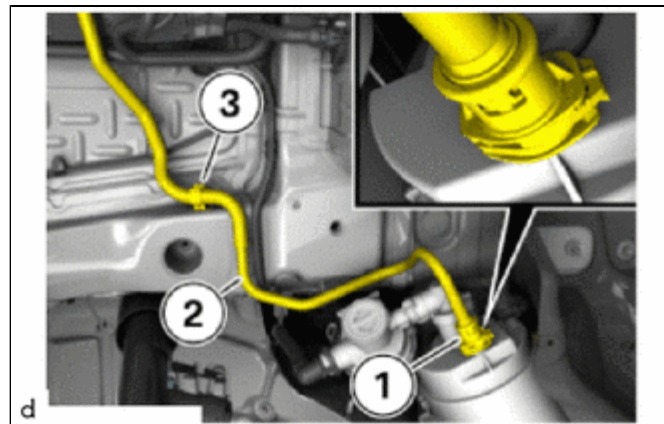
(e) Position snap fastener and lock.

2. INSTALL NO. 1 FUEL EMISSION TUBE (for Type A)

NOTICE:

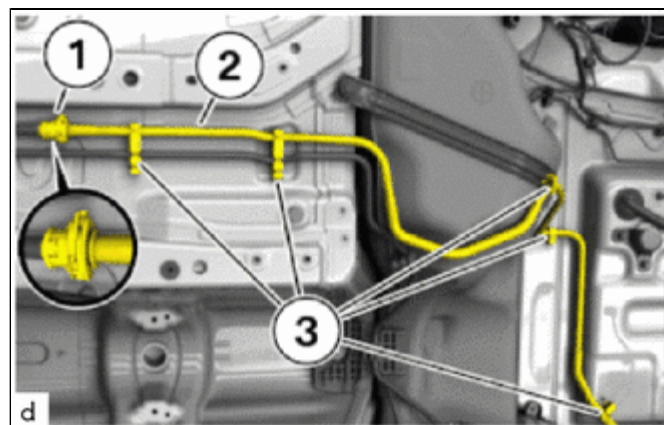
Schematic diagram is for example purposes. Some parts may differ in certain details.

(a) Feed in No. 1 fuel emission tube and clip it onto the holder.



(b) Position snap fastener and lock.

(c) Clip the purge air line into the holder.



(d) Position snap fastener and lock.

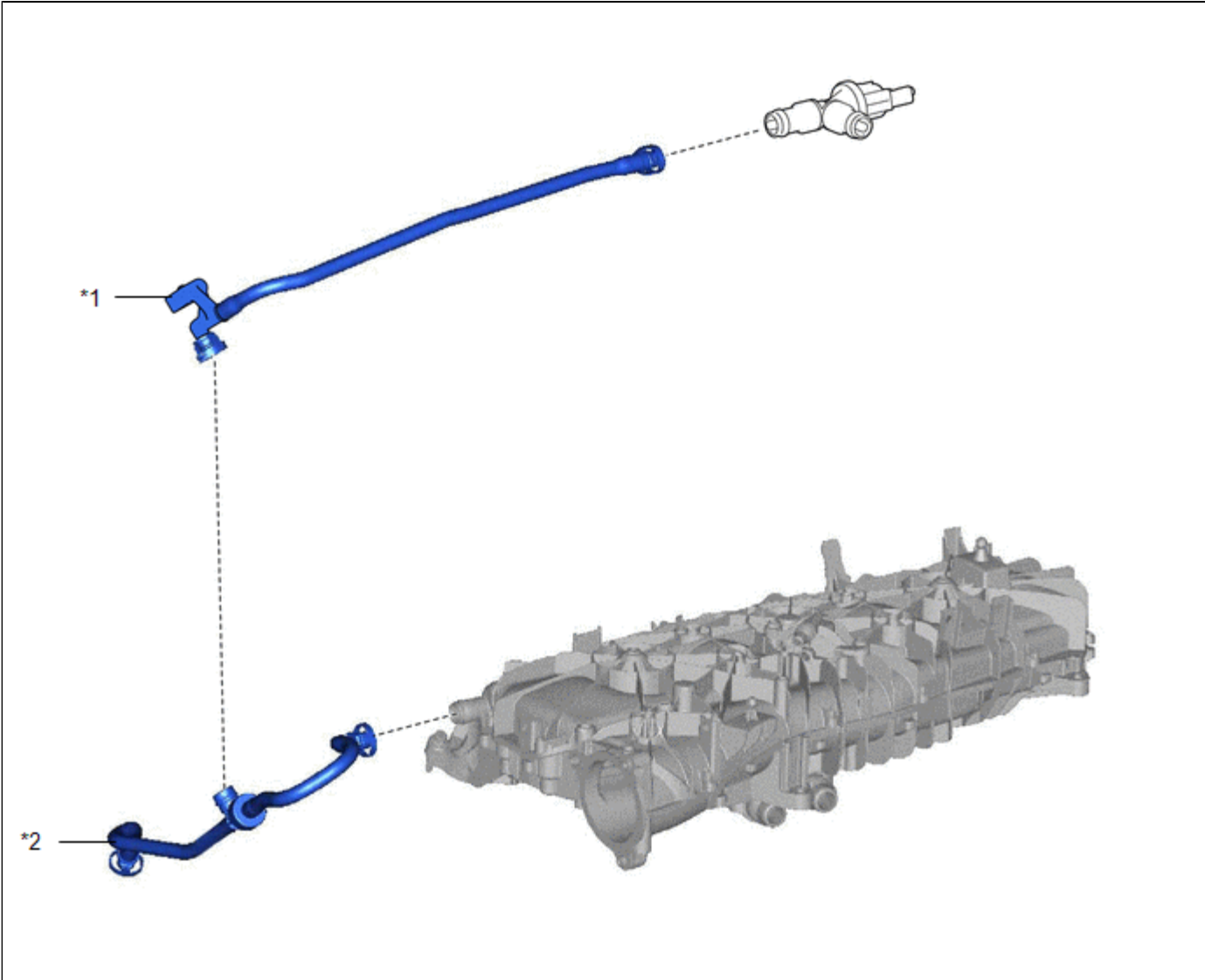
3. INSTALL REAR SUSPENSION MEMBER SUB-ASSEMBLY

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD8G
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): FUEL TANK VENTILATION HOSE: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	NO.1 FUEL VAPOR FEED HOSE	*2	NO.4 FUEL VAPOR FEED HOSE
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Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD8H
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): FUEL TANK VENTILATION HOSE: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

- Hot surfaces.

Risk of burning!

- Perform all work only on components that have cooled down.

PROCEDURE

1. REMOVE AIR CLEANER HOSE ASSEMBLY

Click here [INFO](#)

2. REMOVE TANK VENTILATION LINE

NOTICE:

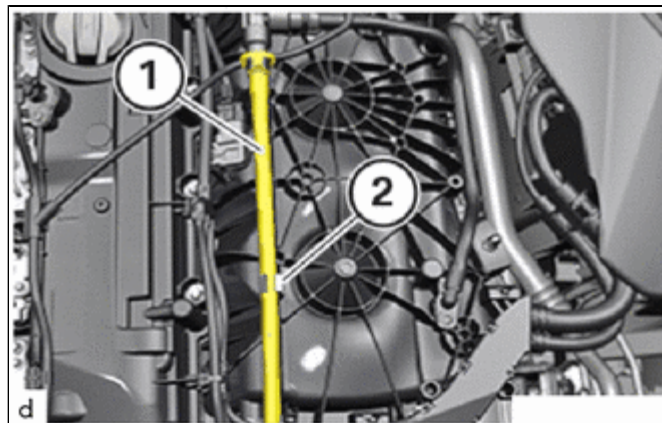
- Electrostatic discharge.

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:

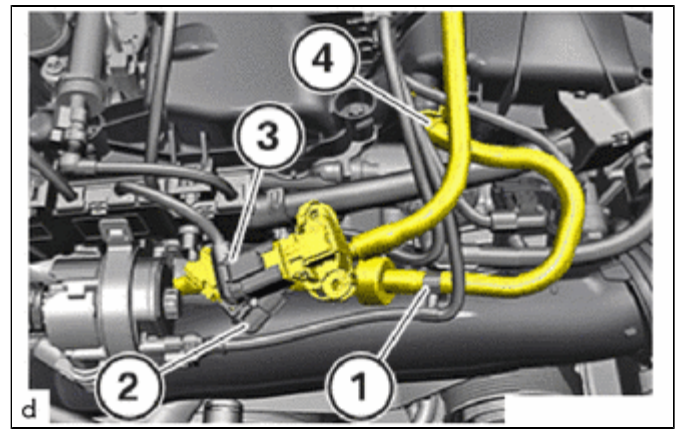
Click here [INFO](#)

(a) Unlock and disconnect the tank ventilation line (1).



(b) Loosen the tank ventilation line (1) from the clamp (2).

(c) Unclip clamp (1).



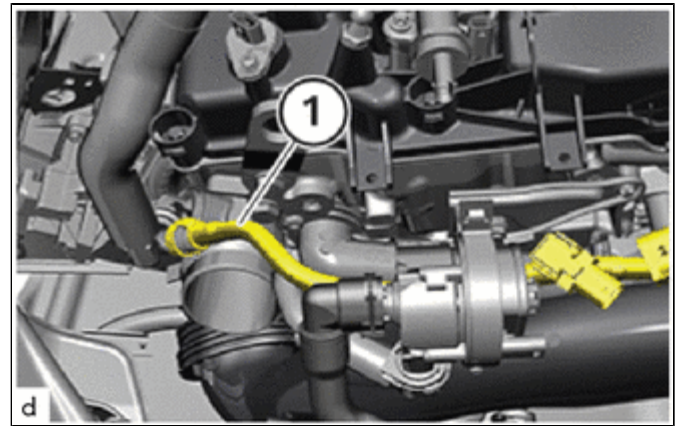
(d) Unlock plug connection (2) and disconnect.

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

(f) Unlock and disconnect the tank ventilation line (4).

(g) Unlock and disconnect the tank ventilation line (1).

(h) Thread out and remove the tank ventilation line (1).



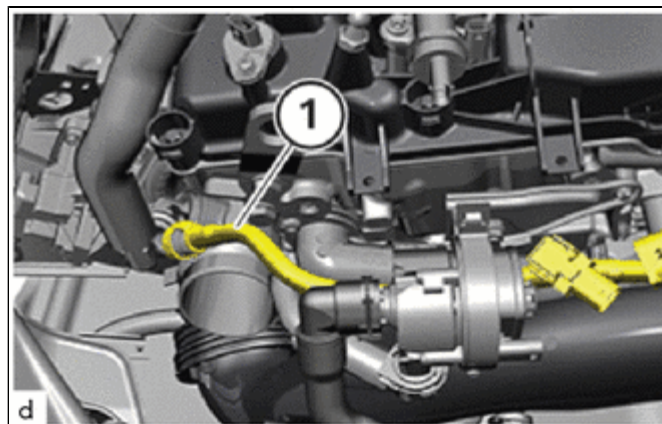
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD8I
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): FUEL TANK VENTILATION HOSE: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL TANK VENTILATION LINE

(a) Insert and install the tank ventilation line (1).



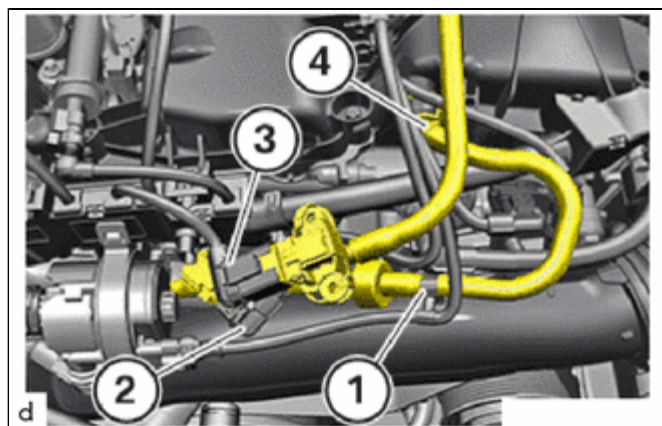
(b) Connect and lock the tank ventilation line (1).

HINT:

The tank ventilation line (1) must engage audibly.

(c) Connect and lock the tank ventilation line (4).

(1) The tank ventilation line (4) must engage audibly.



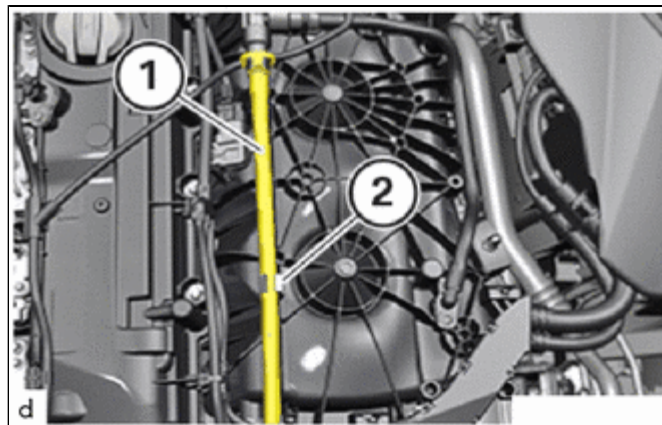
(d) Connect connectors (2) and (3) and lock.

HINT:

The connectors (2) and (3) must audibly engage.

(e) Secure the clamp (1).

- (f) Insert and install the tank ventilation line (1) on the clamp (2).



- (g) Connect and lock the tank ventilation line (1).

HINT:

The tank ventilation line (1) must engage audibly.

2. INSTALL AIR CLEANER HOSE ASSEMBLY

Click here [INFO](#)

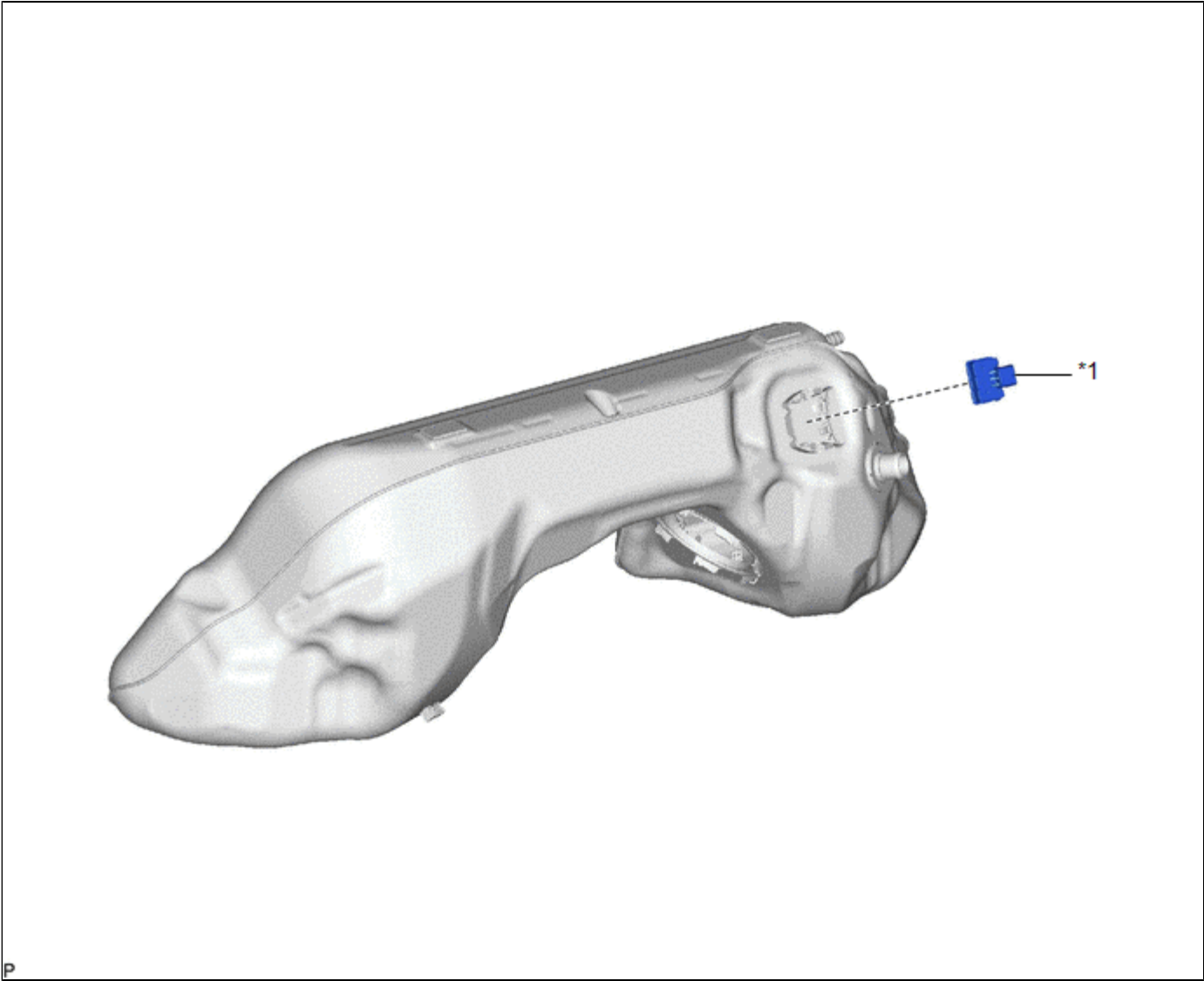


TOYOTA

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD7M
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): FUEL TEMPERATURE SENSOR: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	FUEL TEMPERATURE SENSOR	-	-
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Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD7N
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): FUEL TEMPERATURE SENSOR: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

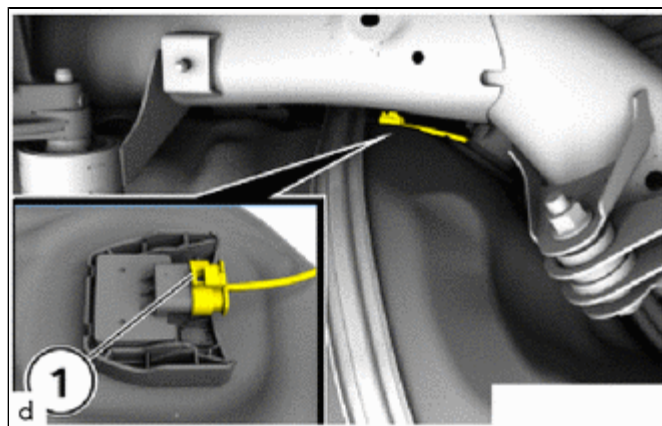
PROCEDURE

1. REMOVE FUEL TANK

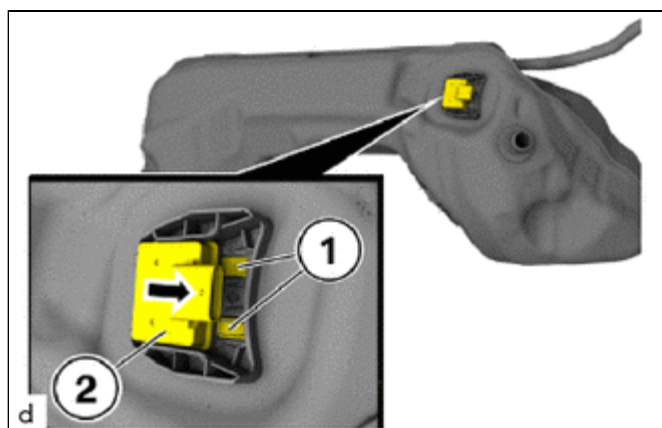
Click here [INFO](#)

2. REMOVE FUEL TEMPERATURE SENSOR

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



(b) Unlock the locks (1).



(c) Push the fuel temperature sensor (2) out of the holder in the direction of the arrow.

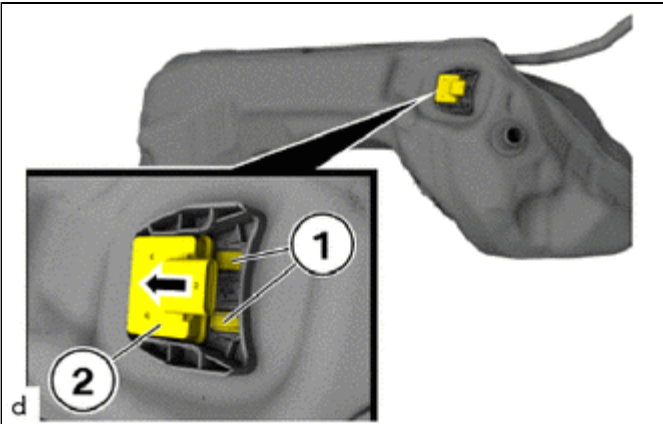
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD7O
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): FUEL TEMPERATURE SENSOR: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL FUEL TEMPERATURE SENSOR

(a) Push the fuel temperature sensor (2) in direction of arrow into the bracket until the locks (1) audibly engage.



(b) Connect connectors and lock.

2. INSTALL FUEL TANK

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD7Z
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): MONOLITHIC CONVERTER: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

PROCEDURE

1. REMOVE OXYGEN SENSOR

Click here [INFO](#)

2. REMOVE WIDE RANGE AIR FUEL RATIO SENSOR

Click here [INFO](#)

3. REMOVE EXHAUST PIPE ASSEMBLY

Click here [INFO](#)

4. REMOVE EXHAUST MANIFOLD CONVERTER SUB-ASSEMBLY

CAUTION:

- Hot surfaces.

Risk of burning!

- Perform all work only on components that have cooled down.

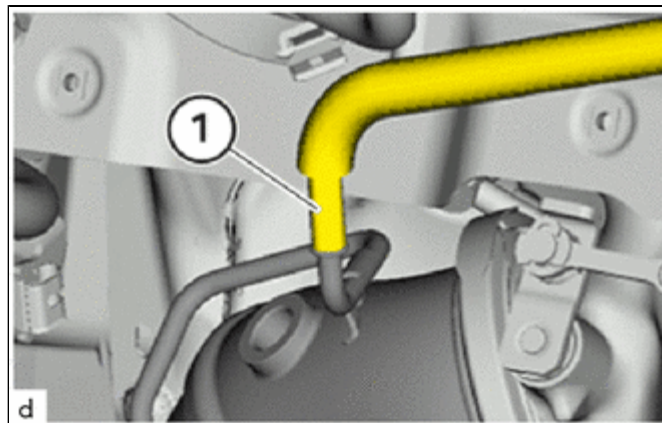
- Heavy component.

Heavy components can lead to injury or damage.

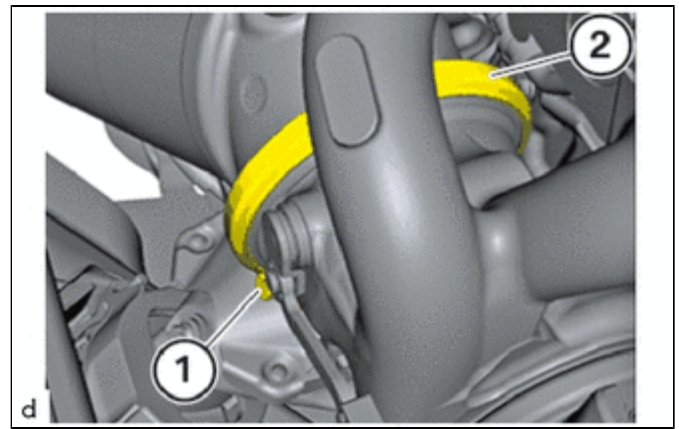
- Remove and install heavy components with the aid of another person/other persons.

(a) w/ Differential Pressure Sensor

(1) Pull off the vacuum transmitting hose assembly (1).

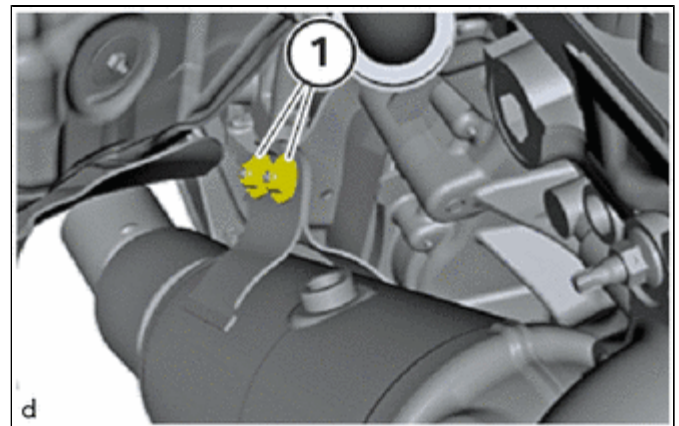


(b) Loosen screw (1).



(c) Bend up exhaust pipe clamp (2).

(d) Loosen nuts (1).



(e) Remove the exhaust manifold converter sub-assembly toward the bottom.

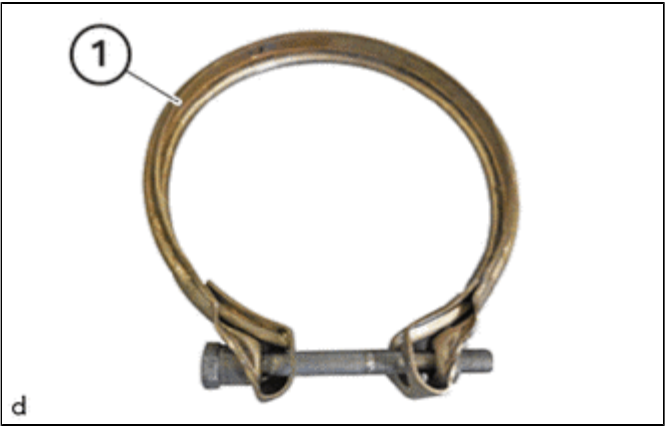
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD80
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): MONOLITHIC CONVERTER: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

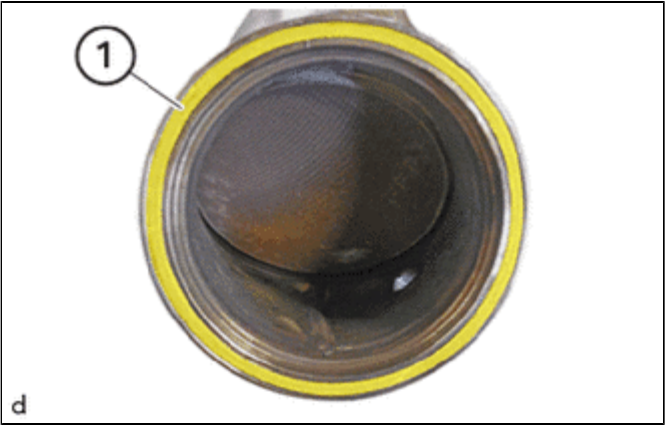
PROCEDURE

1. INSTALL EXHAUST MANIFOLD CONVERTER SUB-ASSEMBLY

(a) Replace the exhaust pipe clamp (1).

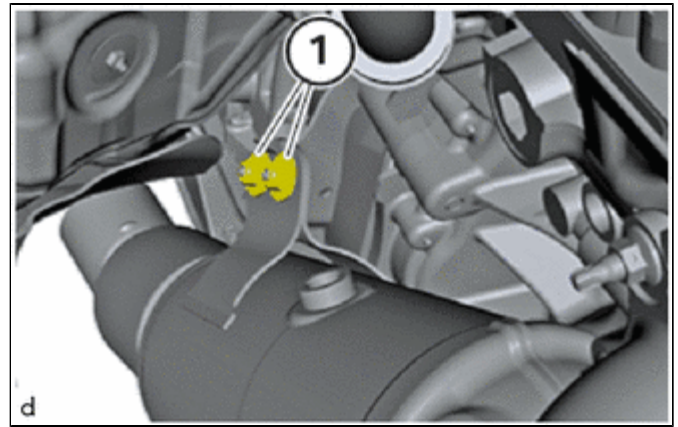


(b) Replace gasket (1).



(c) Feed in and install exhaust manifold converter sub-assembly together with the exhaust pipe clamp.

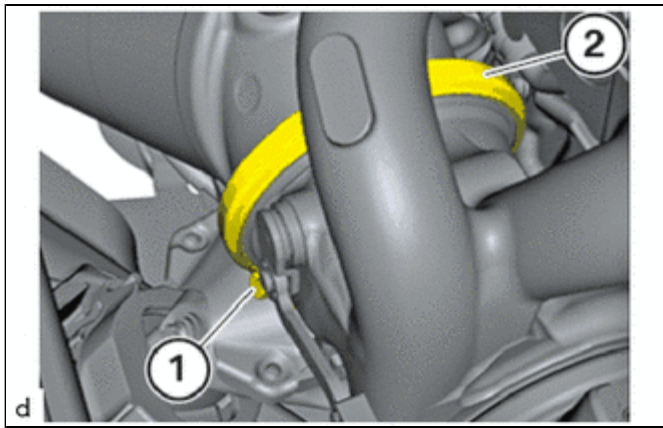
(d) Replace nuts (1).



(e) Screw on nuts (1) by a few turns.

HINT:

- Note the installation position of the component. The component may be installed in various installation positions.



(f) Position exhaust pipe clamp (2).

(g) Tighten down screw (1).

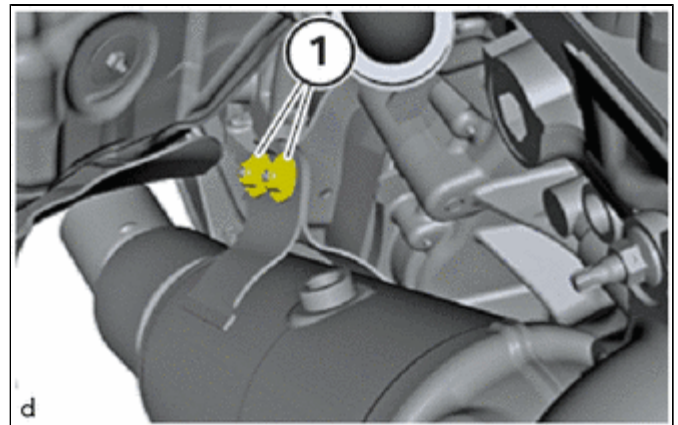
Torque:

19 N·m {194 kgf·cm, 14 ft·lbf}

(h) Tighten nuts (1).

Torque:

28 N·m {286 kgf·cm, 21 ft·lbf}



(i) w/ Differential Pressure Sensor

(1) Connect the vacuum transmitting hose assembly.

2. INSTALL EXHAUST PIPE ASSEMBLY

Click here [INFO](#)

3. INSTALL WIDE RANGE AIR FUEL RATIO SENSOR

Click here [INFO](#)

4. INSTALL OXYGEN SENSOR

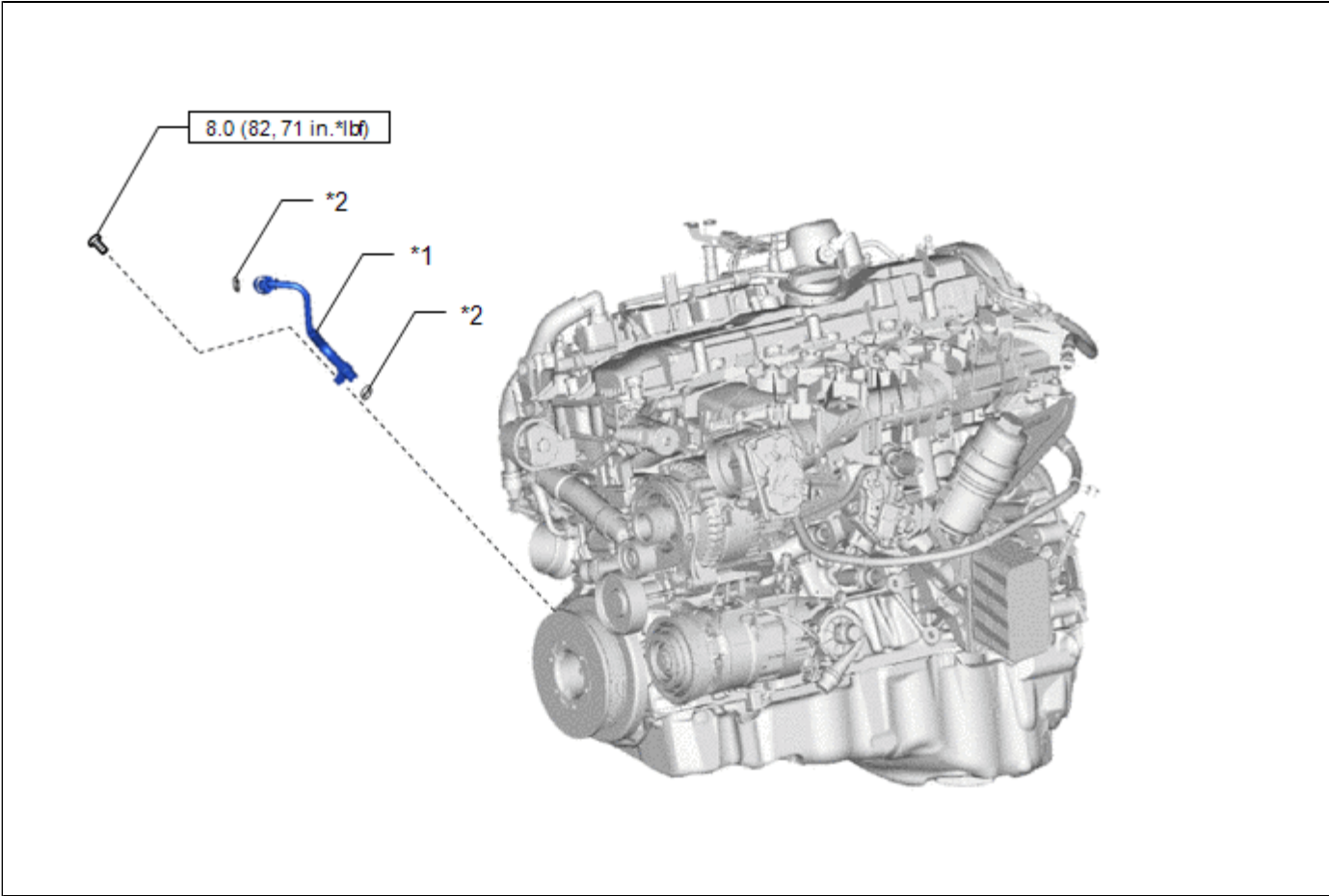
Click here [INFO](#)



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD81
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): PCV VALVE: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	VENTILATION PIPE SUB-ASSEMBLY	*2	O-RING
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD82
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): PCV VALVE: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

PROCEDURE

1. REMOVE COMPRESSOR INLET ELBOW

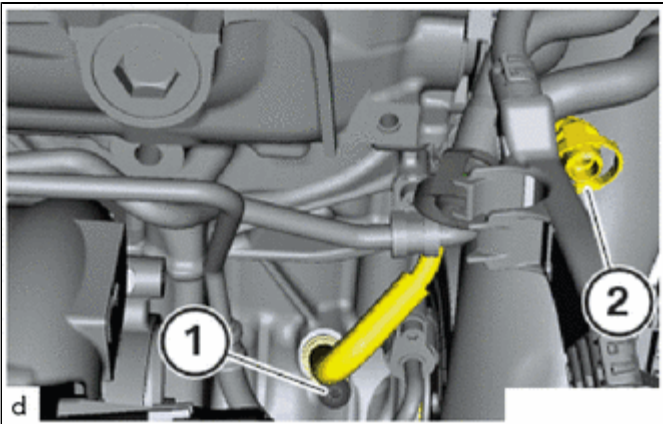
Click here [INFO](#)

2. REMOVE VENTILATION PIPE SUB-ASSEMBLY

CAUTION:

- Hot surfaces.
 - Risk of burning!
 - Perform all work only on components that have cooled down.

(a) Loosen T30 bolt (1).



(b) Remove ventilation pipe sub-assembly for the crankcase ventilation (2).

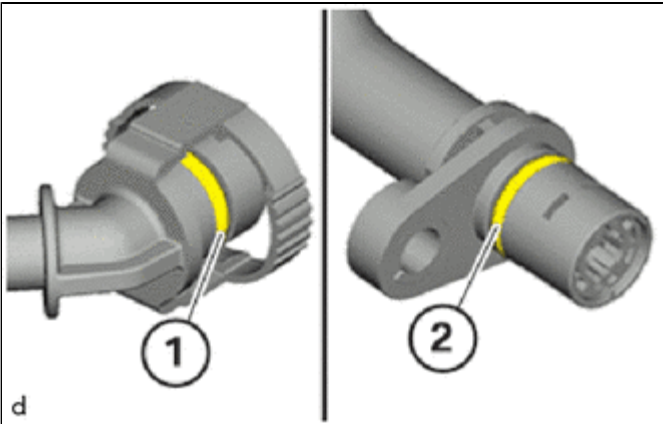
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD83
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): PCV VALVE: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL VENTILATION PIPE SUB-ASSEMBLY

(a) Check the O-rings (1) and (2) for damage; replace if necessary.



(b) Position ventilation pipe sub-assembly for crankcase ventilation.

(c) Tighten down T30 bolt.

Torque:
8.0 N·m { 82 kgf·cm, 71 in·lbf }

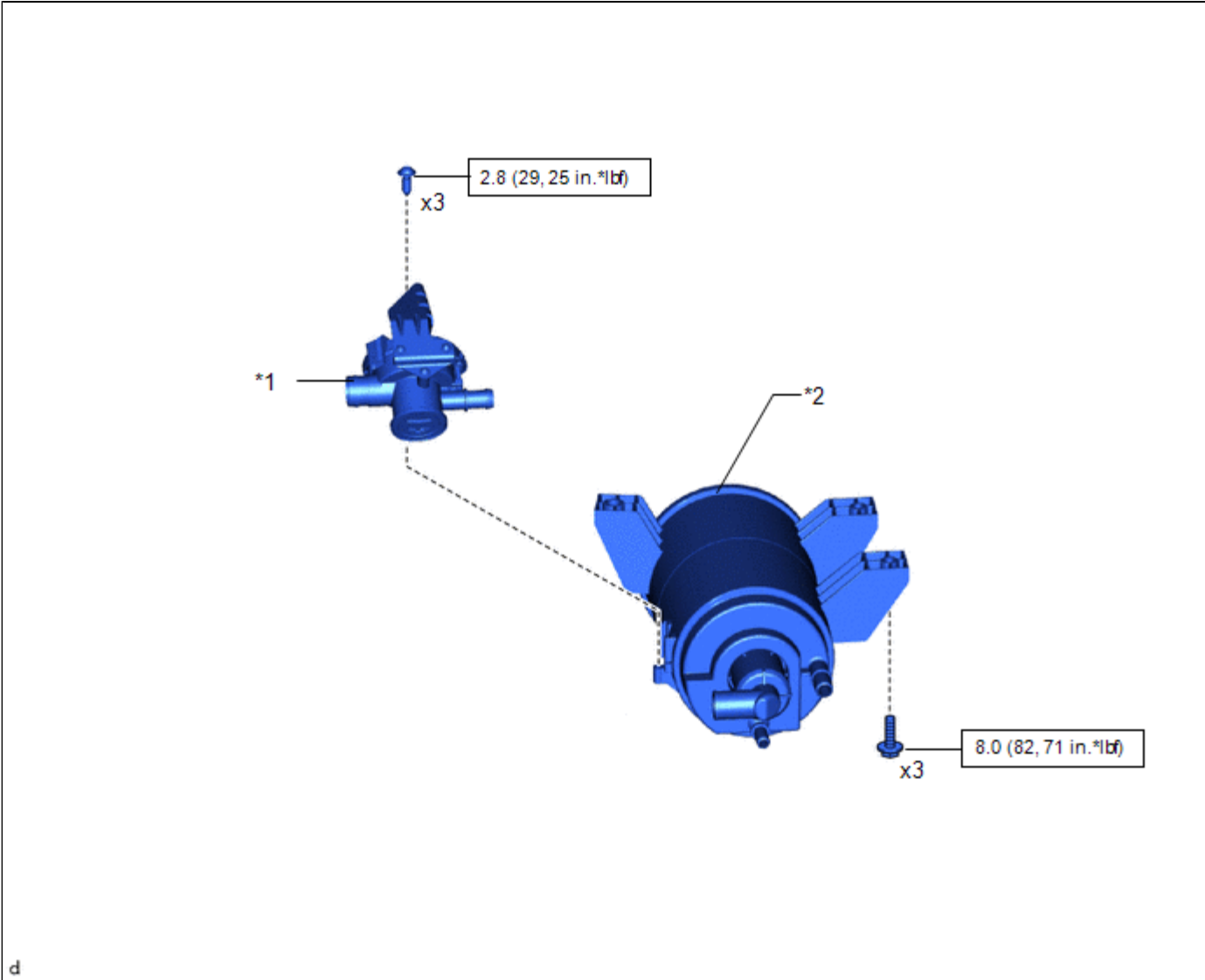
2. INSTALL COMPRESSOR INLET ELBOW

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD7P
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): PRESSURE SWITCH: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	PRESSURE SWITCH	*2	CHARCOAL CANISTER SUB-ASSEMBLY
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD7Q
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): PRESSURE SWITCH: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

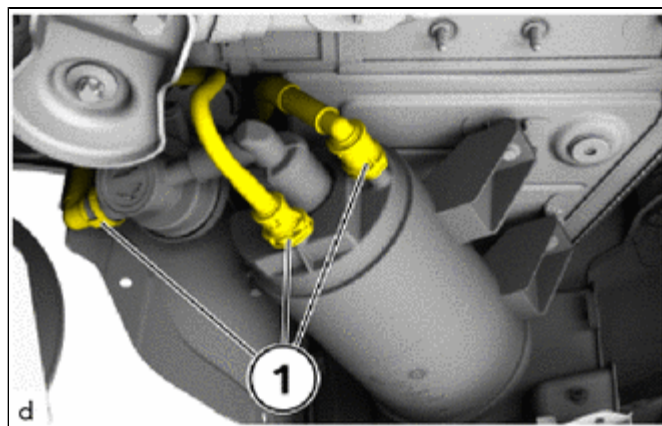
PROCEDURE

1. REMOVE MAIN MUFFLER HEAT INSULATOR RH

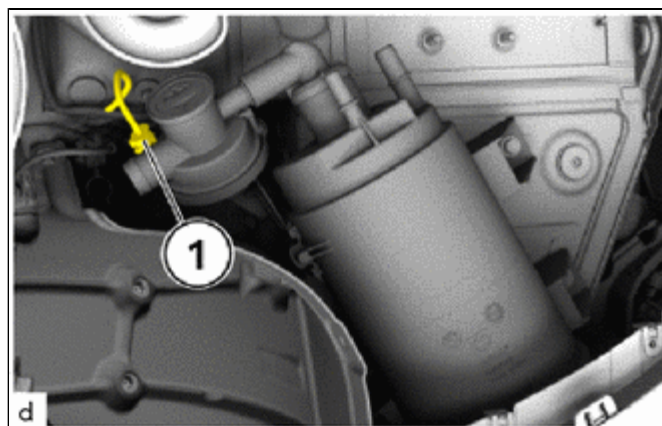
Click here [INFO](#)

2. REMOVE PRESSURE SWITCH

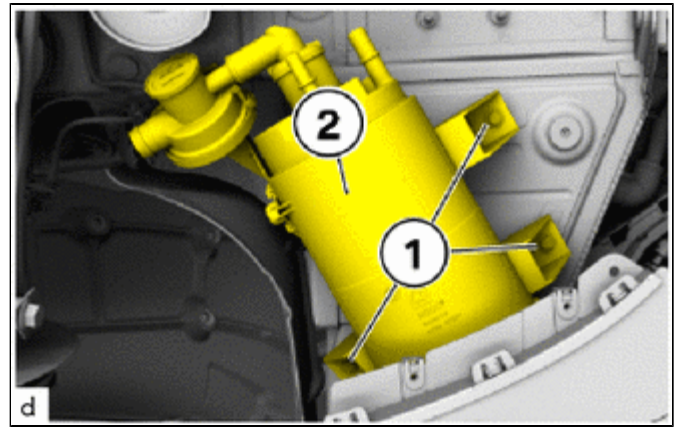
(a) Unlock and pull off the snap fasteners (1).



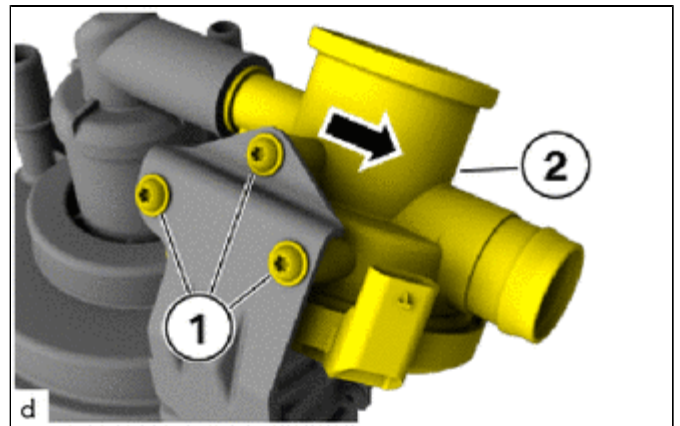
(b) Unlock plug connection (1) and disconnect.



(c) Loosen screws (1).



(d) Remove charcoal canister sub-assembly (2).



(e) Loosen screws (1).

(f) Pull off pressure switch (2) in direction of arrow.

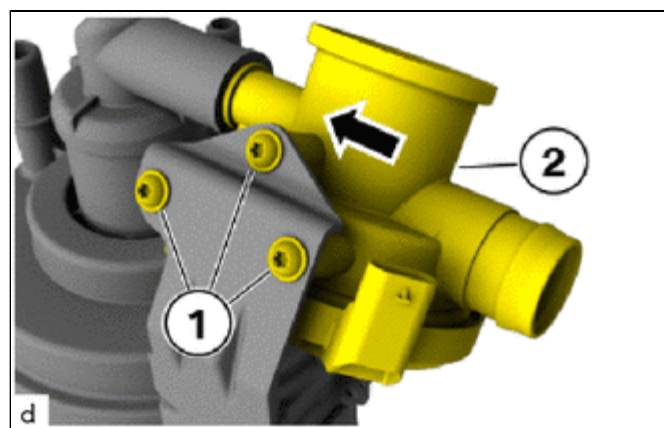
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD7R
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): PRESSURE SWITCH: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL PRESSURE SWITCH

- (a) Push pressure switch (2) in direction of arrow into the fuel filter assembly.

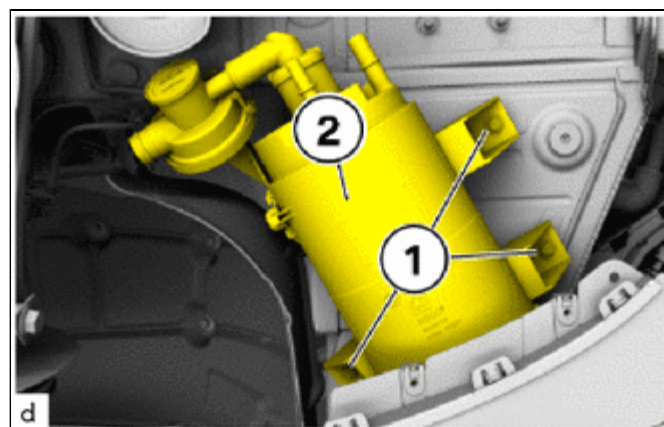


- (b) Tighten the screws (1).

Torque:

2.8 N·m {29 kgf·cm, 25 in·lbf}

- (c) Position charcoal canister sub-assembly (2).



- (d) Tighten the screws (1).

Torque:

8.0 N·m {82 kgf·cm, 71 in·lbf}

- (e) Connect connectors and lock.
 (f) Connect and lock the snap fasteners.

2. INSTALL MAIN MUFFLER HEAT INSULATOR RH

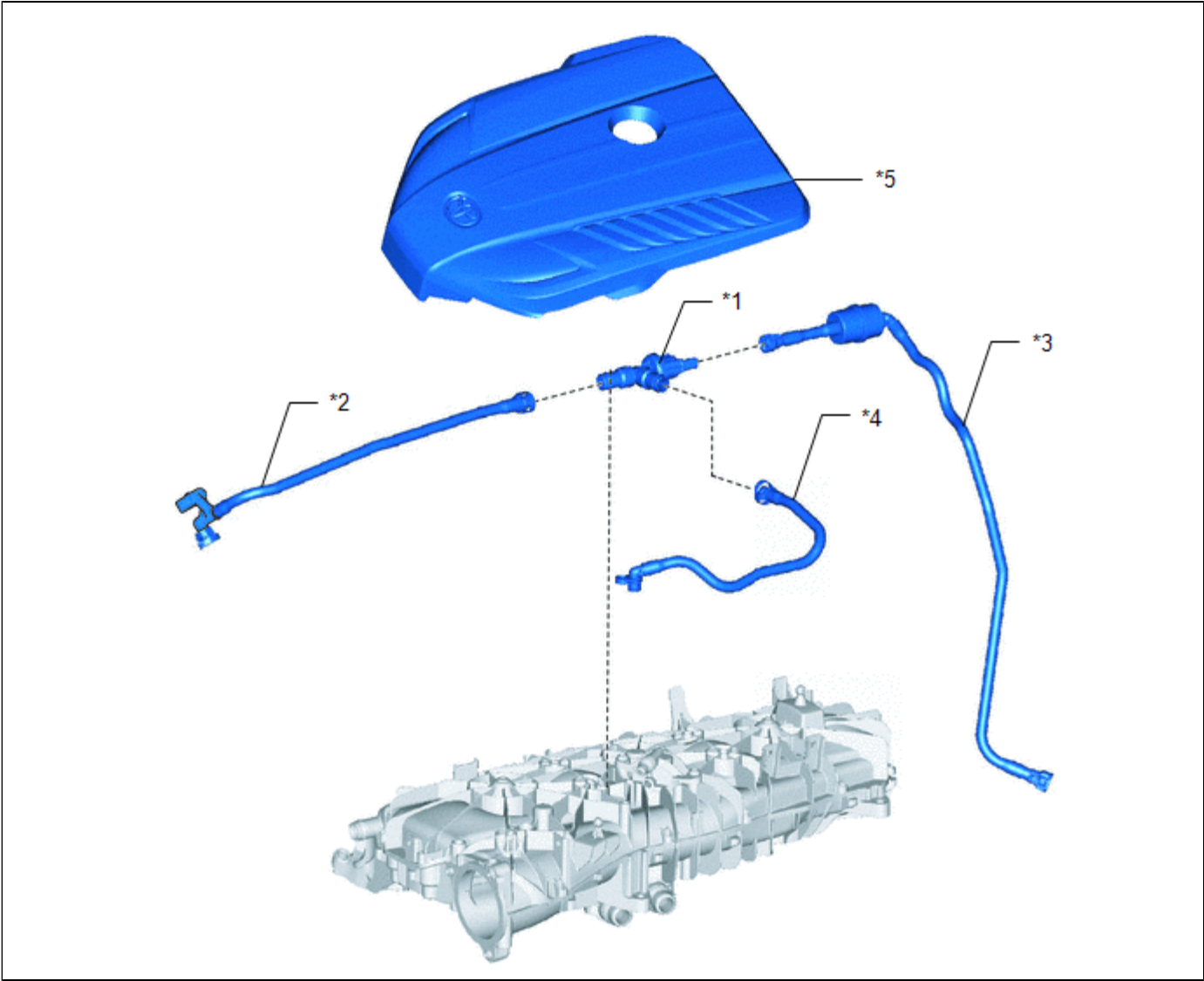
Click here [INFO](#)



Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD84
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): PURGE VALVE: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	NO. 1 CHECK VALVE	*2	NO. 1 FUEL VAPOR FEED HOSE
*3	NO. 2 FUEL VAPOR FEED HOSE	*4	NO. 3 FUEL VAPOR FEED HOSE
*5	NO. 1 ENGINE COVER SUB-ASSEMBLY	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD85
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): PURGE VALVE: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

PROCEDURE

1. REMOVE NO. 1 ENGINE COVER SUB-ASSEMBLY

Click here [INFO](#)

2. REMOVE NO. 1 CHECK VALVE

CAUTION:

- Hot surfaces.

Risk of burning!

- Perform all work only on components that have cooled down.

NOTICE:

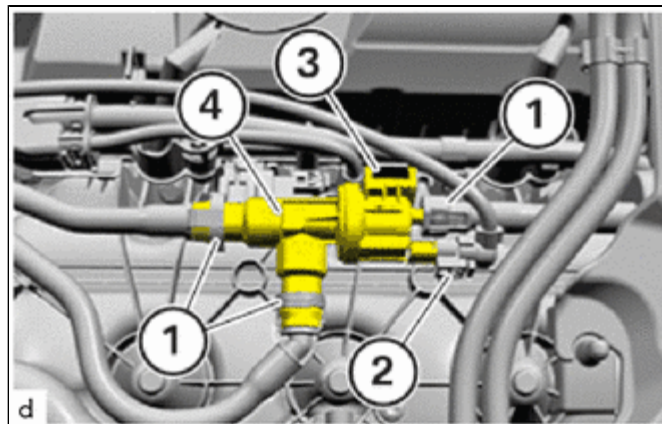
- Electrostatic discharge.

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](#)

(a) Unlock and disconnect the tank ventilation lines (1).



(b) Unlock and loosen connector (2).

(c) Remove the No. 1 check valve (4) from the holder (3).

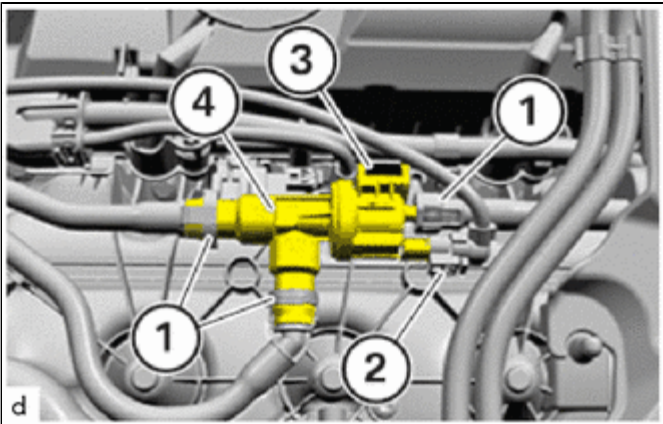
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD86
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): PURGE VALVE: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL NO. 1 CHECK VALVE

(a) Secure the No. 1 check valve (4) to the holder (3).



- (b) Connect and lock the tank ventilation lines (1).
 - (1) Make sure you can hear the tank ventilation lines (1) engage.
- (c) Connect and lock the connector (2).
 - (1) The connector (2) must engage audibly.

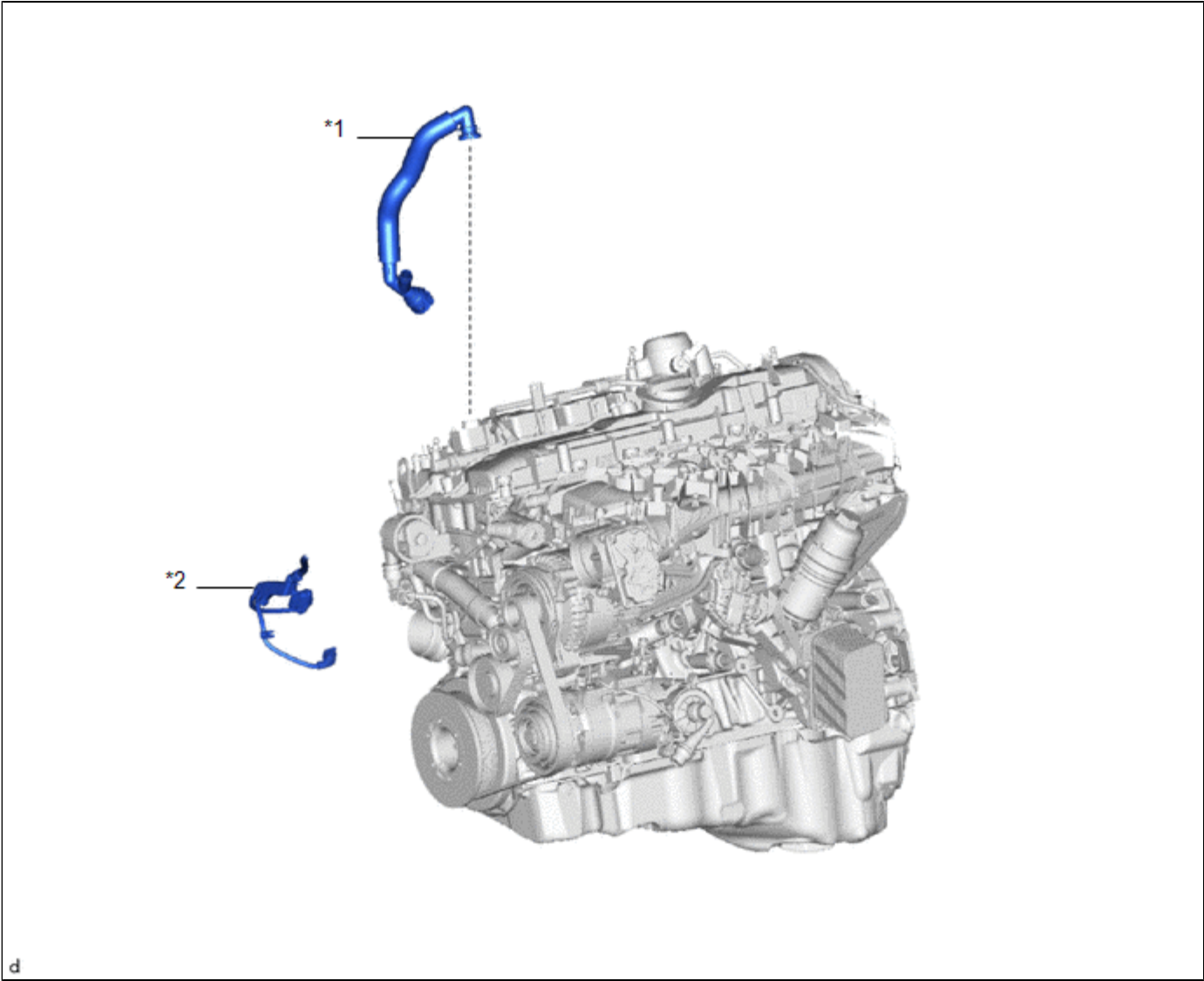
2. INSTALL NO.1 ENGINE COVER SUB-ASSEMBLY

Click here [INFO](#)

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD8J
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): VENTILATION HOSE: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	VENTILATION HOSE	*2	NO. 2 ENGINE WIRE
----	------------------	----	-------------------

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD8K
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): VENTILATION HOSE: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

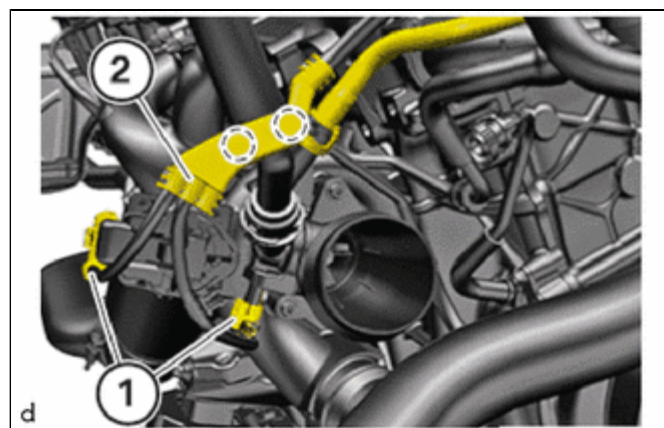
PROCEDURE

1. REMOVE AIR CLEANER ASSEMBLY

Click here [INFO](#)

2. REMOVE VENTILATION HOSE

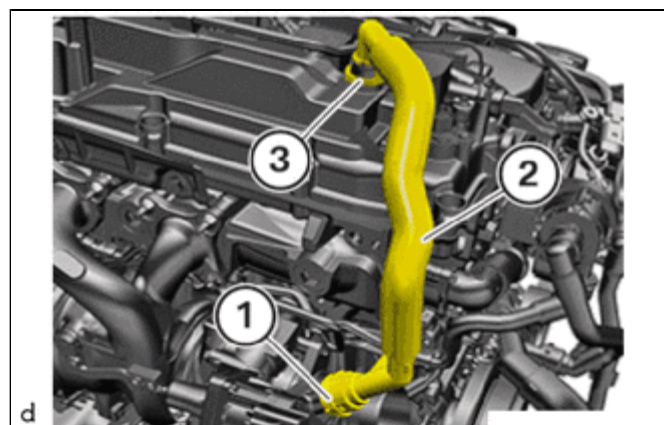
(a) Unlock and disconnect plug connections (1).



(b) Unclip the cable clips (2) from the ventilation hose in the marked areas.

(c) Unlock the lower ventilation line and pull it off the engine ventilation line.

(d) Unlock the lock (1) and disconnect the ventilation hose (2).



(e) Unlock the lock (3).

(f) Disconnect the engine ventilation line (2) from the cylinder head cover sub-assembly and remove.

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JD8L
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: B58 (EMISSION CONTROL): VENTILATION HOSE: INSTALLATION; 2020 MY Supra [03/2019 -]		

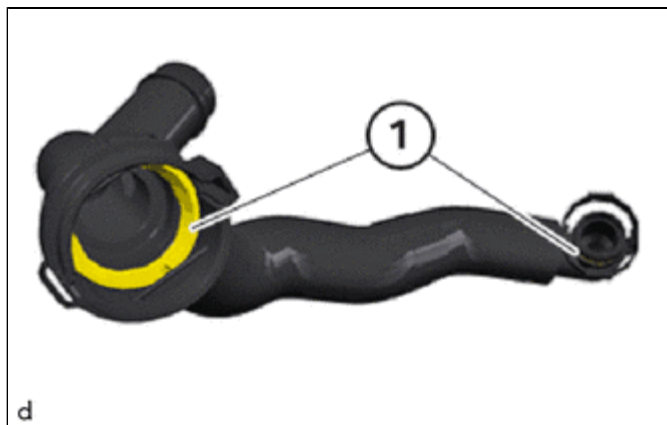
INSTALLATION

PROCEDURE

1. INSTALL VENTILATION HOSE

HINT:

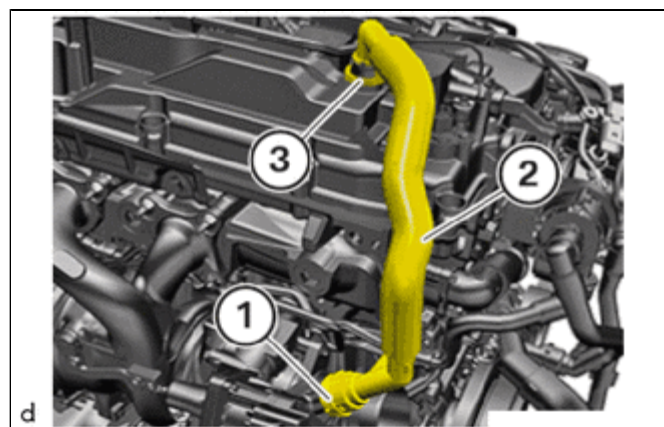
Latch mechanisms, guides and mounting elements must not be damaged or missing.



(a) Check the seals (1) for damage and replace the ventilation hose where required.

(b) Connect the ventilation hose (2) to the cylinder head cover and lock in place.

(1) The lock (3) must audibly engage.



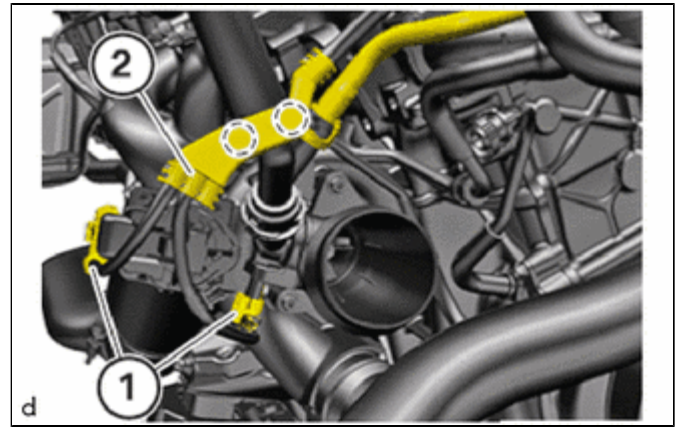
(c) Connect ventilation hose (2) at the connecting branch of the exhaust turbocharger and lock.

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

(d) Connect the ventilation hose on the bottom to the

ventilation hose and lock.

(1) Lock must audibly engage.



(e) Clip in cable clips (2) where marked on the ventilation hose.

(f) Connect connectors (1) and lock.

(1) The locks must engage audibly.

2. INSTALL AIR CLEANER ASSEMBLY

Click here [INFO](#)

