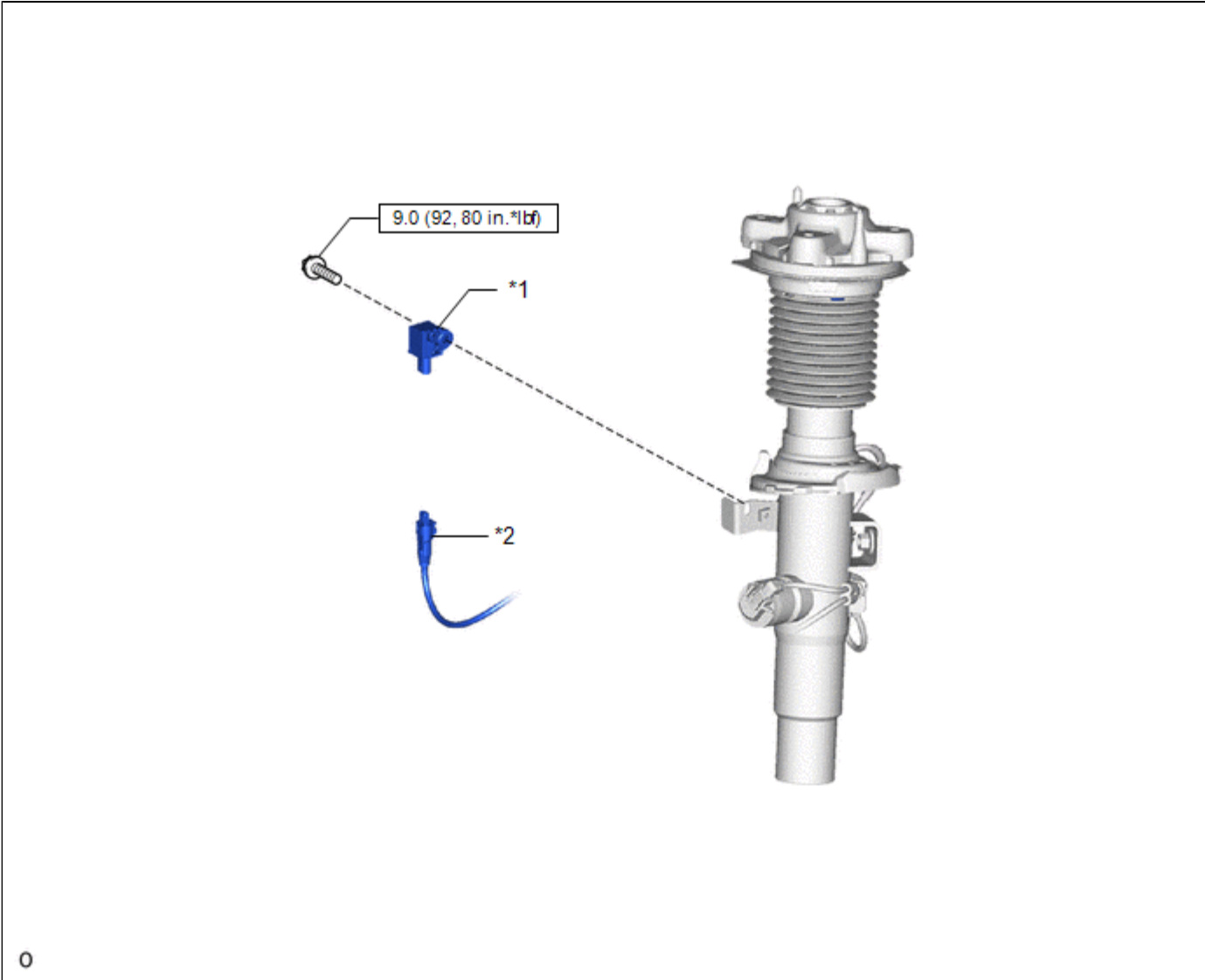


Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCLF
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: SUSPENSION CONTROL: FRONT ACCELERATION SENSOR: COMPONENTS; 2020 MY Supra [03/2019 -]		

COMPONENTS

ILLUSTRATION



*1	ACCELERATION SENSOR ASSEMBLY	*2	CONNECTOR
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

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Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: SUSPENSION CONTROL: FRONT ACCELERATION SENSOR: REMOVAL; 2020 MY Supra [03/2019 -]		

REMOVAL

CAUTION / NOTICE / HINT

CAUTION:

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

Danger! Life-threatening injuries!

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

Click here [INFO](#)

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](#)

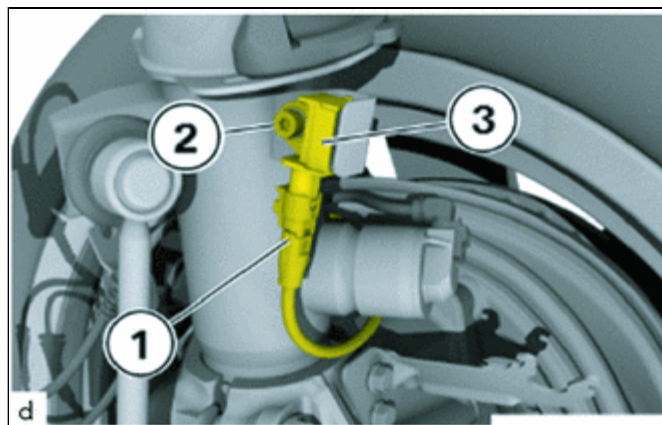
HINT:

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

PROCEDURE

1. REMOVE ACCELERATION SENSOR ASSEMBLY

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



(b) Loosen E10 bolt (2).

(c) Remove the acceleration sensor assembly (3).



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

INSTALLATION

CAUTION / NOTICE / HINT

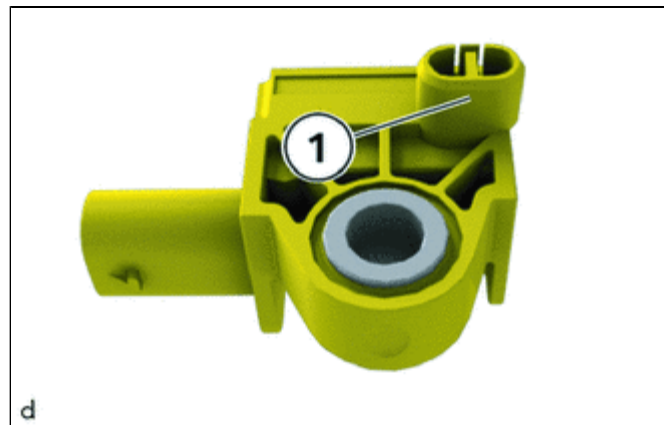
HINT:

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

PROCEDURE

1. INSTALL ACCELERATION SENSOR ASSEMBLY

- (a) Install the acceleration sensor assembly with the retaining pin (1) in the bore hole at the front shock absorber assembly.



- (b) Attach the acceleration sensor assembly.
(c) Tighten down E10 bolt.

Torque:

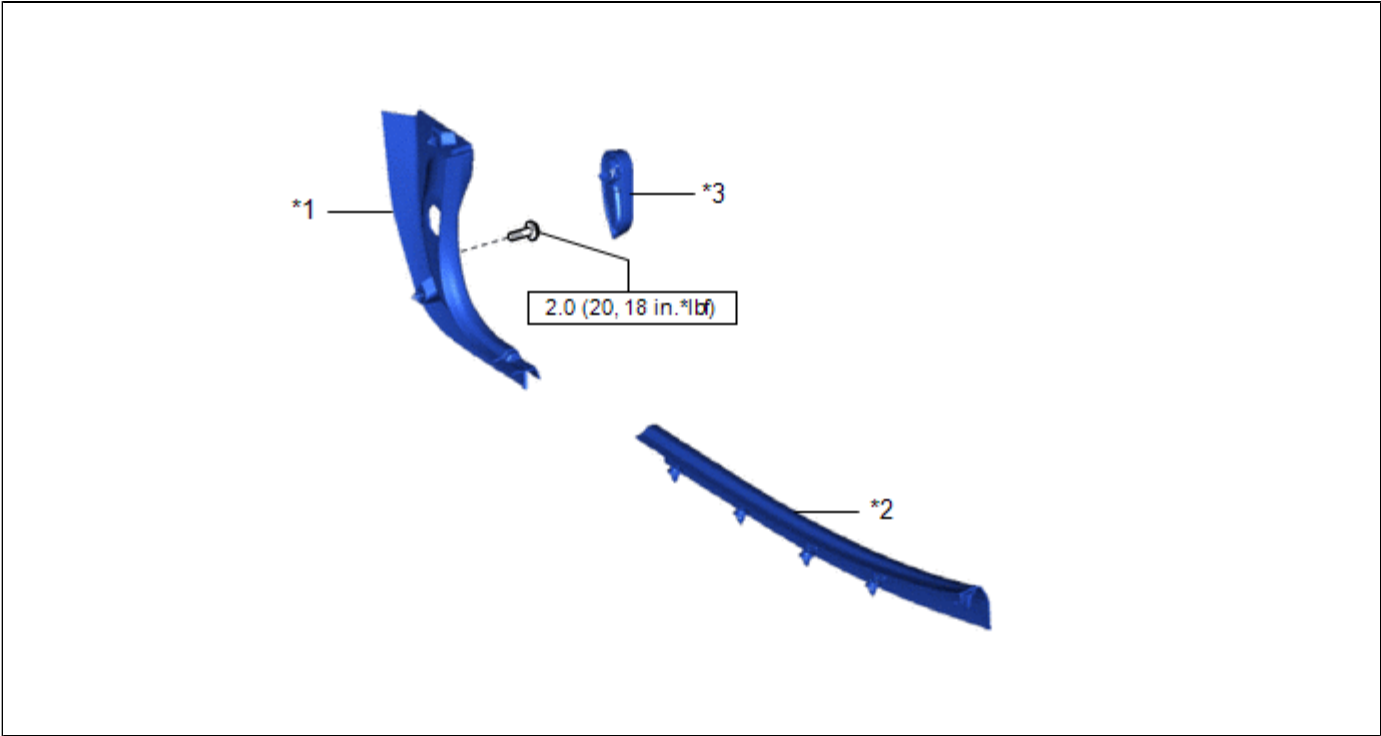
9.0 N·m {92 kgf·cm, 80 in·lbf}

- (d) Connect connectors and lock.

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCLC
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: SUSPENSION CONTROL: SUSPENSION CONTROL ECU: COMPONENTS; 2020 MY Supra [03/2019 -]		

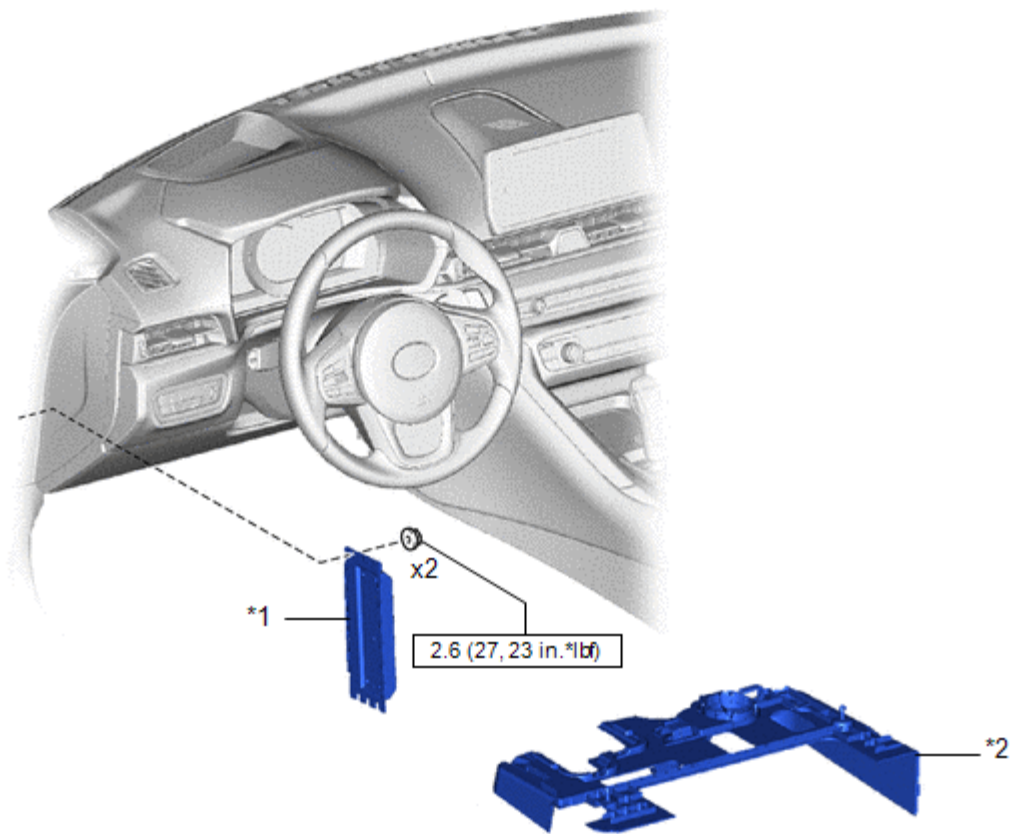
COMPONENTS

ILLUSTRATION



*1	COWL SIDE TRIM SUB-ASSEMBLY LH	*2	FRONT DOOR SCUFF PLATE LH
*3	HOOD LOCK CONTROL LEVER SUB-ASSEMBLY	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

ILLUSTRATION



0

*1	ABSORBER CONTROL ECU	*2	NO. 1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-

Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCLD
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: SUSPENSION CONTROL: SUSPENSION CONTROL 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. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

Click here [INFO](#)

2. REMOVE FRONT DOOR SCUFF PLATE LH

Click here [INFO](#)

3. REMOVE COWL SIDE TRIM SUB-ASSEMBLY LH

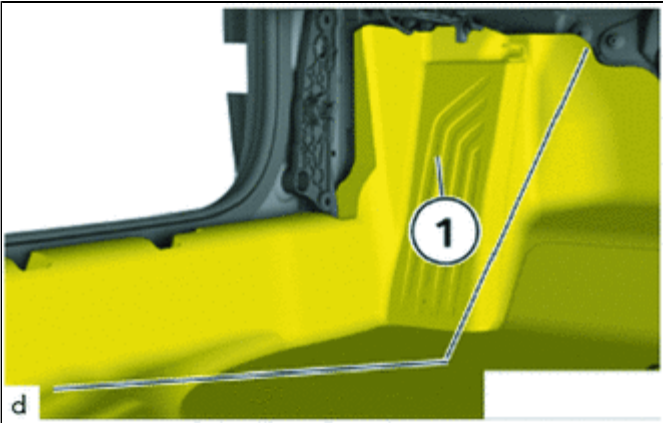
Click here [INFO](#)

4. REMOVE NO. 1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY

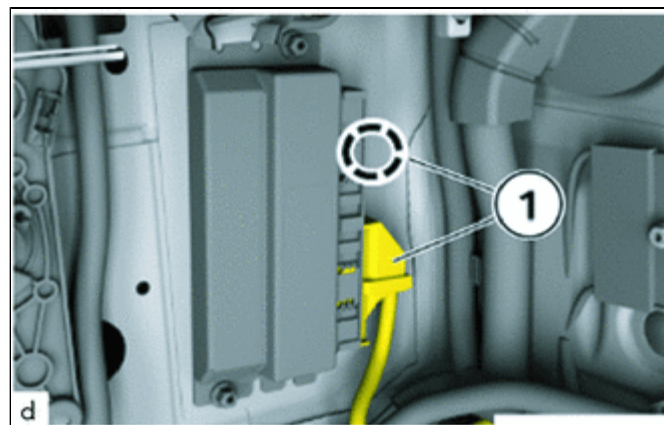
Click here [INFO](#)

5. REMOVE ABSORBER CONTROL ECU

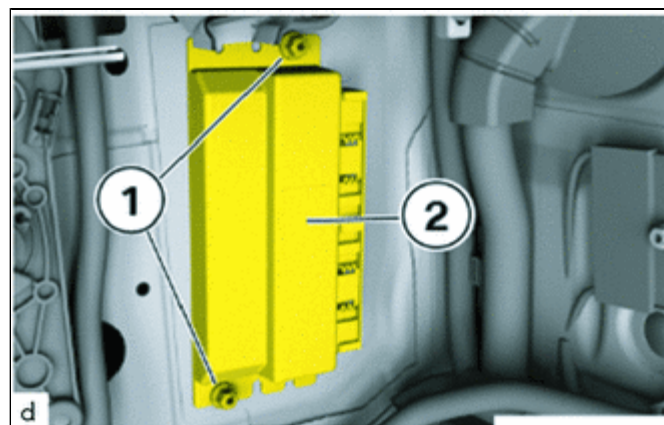
(a) Fold the carpet (1) to the inside in the marked area.



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



(c) Unscrew the plastic nuts (1) and remove the absorber control ECU (2).



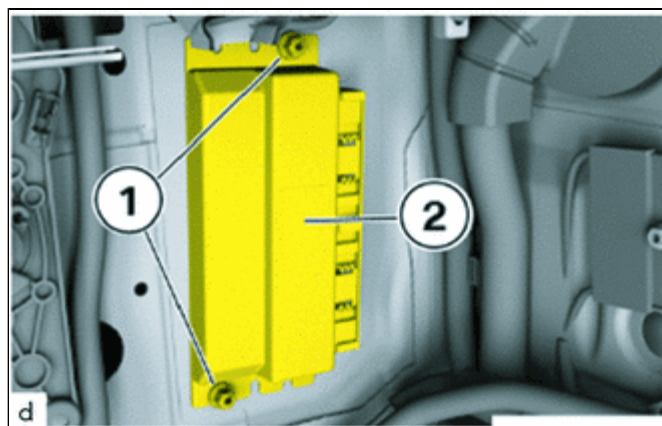
Last Modified: 09-05-2019	6.9:8.0.49	Doc ID: RM100000001JCLE
Model Year Start: 2020	Model: Supra	Prod Date Range: [03/2019 -]
Title: SUSPENSION CONTROL: SUSPENSION CONTROL ECU: INSTALLATION; 2020 MY Supra [03/2019 -]		

INSTALLATION

PROCEDURE

1. INSTALL ABSORBER CONTROL ECU

(a) Install the absorber control ECU (2).



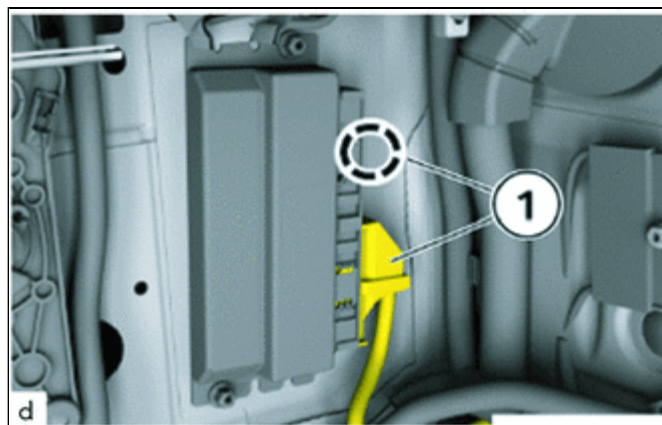
(b) Replace the plastic nuts (1).

(c) Tighten plastic nuts (1).

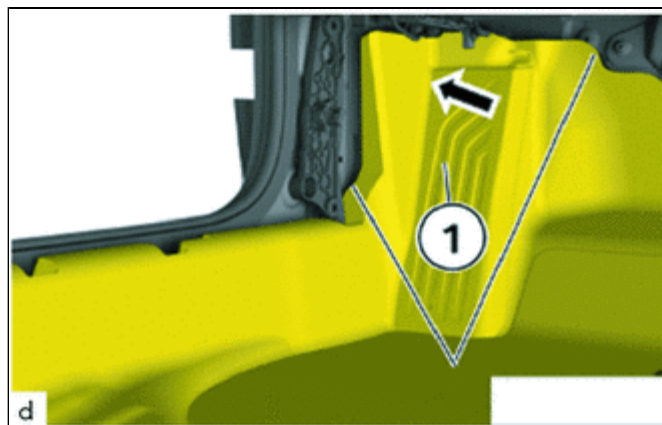
Torque:

2.6 N·m {27 kgf·cm, 23 in·lbf}

(d) Connect connectors (1) and lock.



- (e) Fold the carpet (1) in the marked area in the direction of the arrow.



2. INSTALL NO. 1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY

Click here [INFO](#)

3. INSTALL COWL SIDE TRIM SUB-ASSEMBLY LH

Click here [INFO](#)

4. INSTALL FRONT DOOR SCUFF PLATE LH

Click here [INFO](#)

5. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

Click here [INFO](#)

6. ENCODE / PROGRAM CONTROL UNIT(S)

NOTICE:

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

(a) Connect the battery charger to the vehicle.

(b) Connect the diagnosis system with the vehicle.

(c) Determine the action plan.

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

(d) Accept and fully process the measures plan.

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

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

NOTICE:

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

(f) Carry out vehicle test.

Vehicle management / Troubleshooting / Fault memory / Calculate test plan

(g) Delete the fault memory.

Vehicle management / Troubleshooting / Fault memory / Delete fault memory

- (h) Disconnect the diagnosis system from the vehicle.
- (i) Disconnect the battery charger from the vehicle.

