

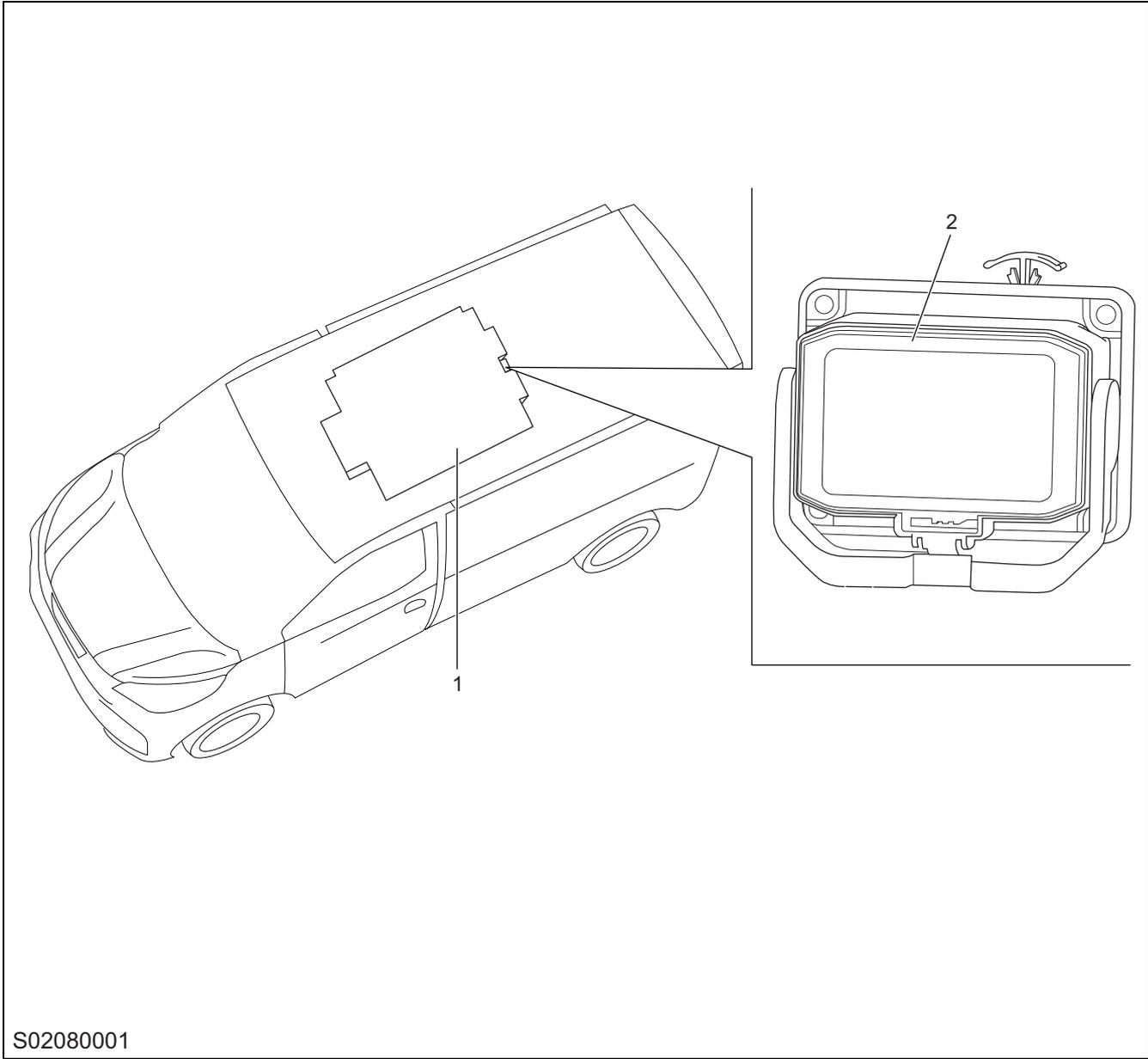
Overview

Dynamic performance parameters

Item		Parameter
Max. speed, km/h	Max. speed	120
Max. reverse speed, km/h		30
Gradeability, %	Max. gradeability	30 (short wheelbase model) 25 (long wheelbase model)
Accelerating ability, second	Accelerating time from 0 to 50 km/h	5.0 (short wheelbase, 35kWh high-voltage battery pack model) 5.2 (short wheelbase, 52.5kWh high-voltage battery pack model) 5.5 (long wheelbase, 35kWh high-voltage battery pack model) 5.5 (long wheelbase, 52.5kWh high-voltage battery pack model)
Driving range, km	NEDC condition	225 (short wheelbase, 35kWh high-voltage battery pack model) 290 (short wheelbase, 52.5kWh high-voltage battery pack model) 195 (long wheelbase, 35kWh high-voltage battery pack model) 260 (long wheelbase, 52.5kWh high-voltage battery pack model)

Layout

Power Battery Layout



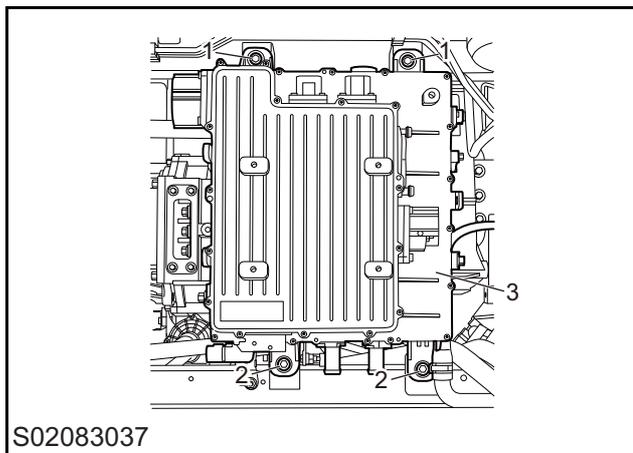
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1 Power battery

2 Service switch

Power and Control System

- 16 Remove the charging and distribution unit assembly (2).



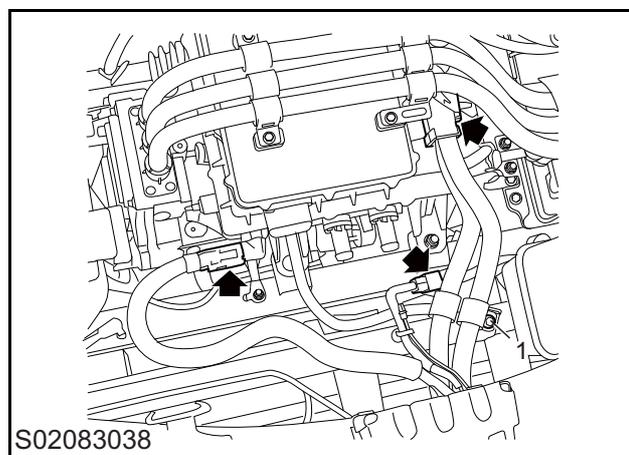
Installation

- 1 Install the charging and distribution unit assembly.
- 2 Install the charging and distribution unit assembly bolt and nut, tighten them to 22 ± 2 N.m, and check the torque.
- 3 Install the charging and distribution unit harness connector and grounding wire.
- 4 Install the three-phase harness.
- 5 Connect the water inlet and outlet pipes.
- 6 Install all the harnesses connecting the charging and distribution unit.
- 7 Refill the cooling system coolant.
- 8 Install the service switch. Refer to "Service Switch Replacement".
- 9 Connect the negative battery cable.

Integral AC/DC Charging Harness Assembly Replacement

Removal

- 1 Switch the ignition key to OFF position and wait 3-5 minutes.
- 2 Remove the service switch. Refer to "Service Switch Replacement".
- 3 Disconnect the engine compartment harness.
- 4 Disconnect the charging and distribution unit assembly harness.
- 5 Disconnect the integral AC/DC charging harness assembly bracket bolt (1).

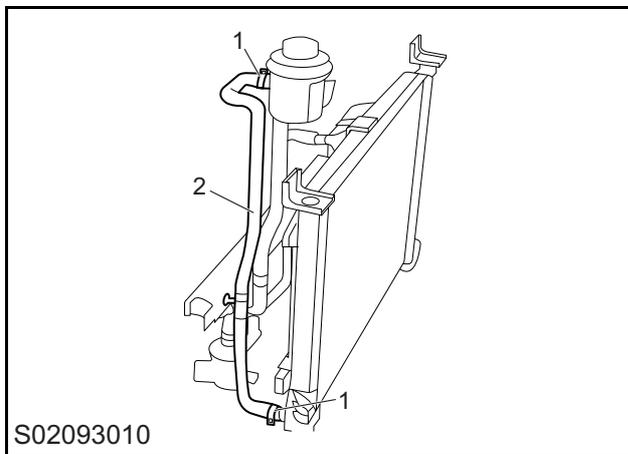


- 6 Open the charging port door assembly.
- 7 Remove 4 integral AC/DC charging harness assembly bolts (1).
- 8 Remove the integral AC/DC charging harness assembly (2).

Radiator to Expansion Tank Hose Replacement

Removal

- 1 Disconnect the negative battery cable.
- 2 Remove the service switch. Refer to "Service Switch Replacement".
- 3 Drain the coolant of electric drive system.
- 4 Disconnect 2 clamps (1) connecting the radiator to the expansion tank hose.
- 5 Disconnect the clip connecting the radiator to the expansion tank hose, and remove the radiator from the expansion tank hose (2).



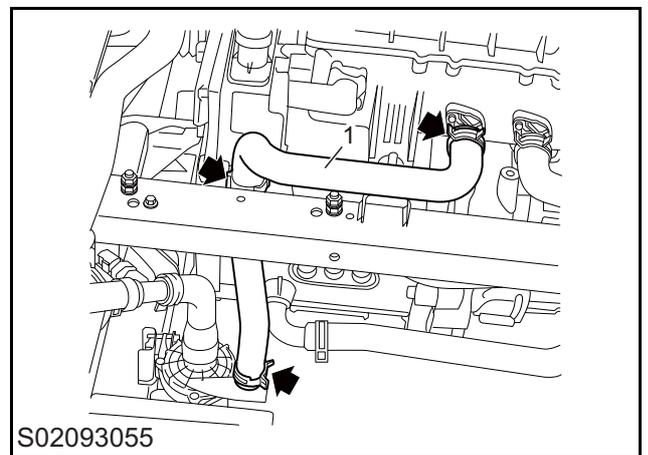
Installation

- 1 Install the radiator to the expansion tank hose.
- 2 Install the clip connecting the radiator to the expansion tank hose.
- 3 Install 2 clamps connecting the radiator to the expansion tank hose.
- 4 Fill the coolant of electric drive system.
- 5 Install the service switch. Refer to "Service Switch Replacement".
- 6 Connect the negative battery cable.

Electric Water Pump to Charger Pipe Assembly Replacement

Removal

- 1 Disconnect the negative battery cable.
- 2 Remove the service switch. Refer to "Service Switch Replacement".
- 3 Drain the coolant of electric drive system.
- 4 Disconnect the electric water pump to charger pipe from the body.
- 5 Disconnect the electric water pump to charger pipe assembly clamp.
- 6 Remove the electric water pump to charger pipe assembly (1).



Installation

- 1 Install the electric water pump to charger pipe assembly.
- 2 Install the electric water pump to charger pipe assembly to the body.
- 3 Install the electric water pump to charger pipe assembly clamp.
- 4 Fill the coolant of electric drive system.
- 5 Install the service switch. Refer to "Service Switch Replacement".
- 6 Connect the negative battery cable.

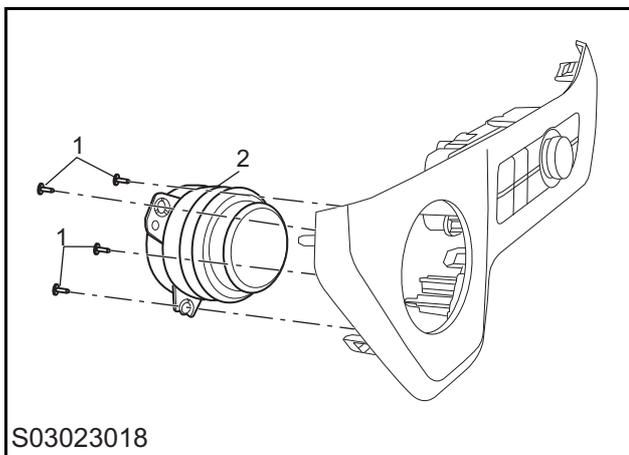
Transmission

Service Guide

Knob Electronic Shift Assembly Replacement

Removal

- 1 Remove the A/C panel.
- 2 Disconnect the electrical connector of the electronic shift assembly.
- 3 Remove 4 retaining bolts (1) of the electronic shift assembly.
- 4 Remove the electronic shift assembly (2).



Installation

- 1 Install the electronic shift assembly.
- 2 Connect the electrical connector of the electronic shift assembly.
- 3 Install 4 retaining bolts of the electronic shift assembly, tighten them to 1.2-1.8 N.m and check the torque.
- 4 Install the A/C panel.

Suspension System

Service Guide

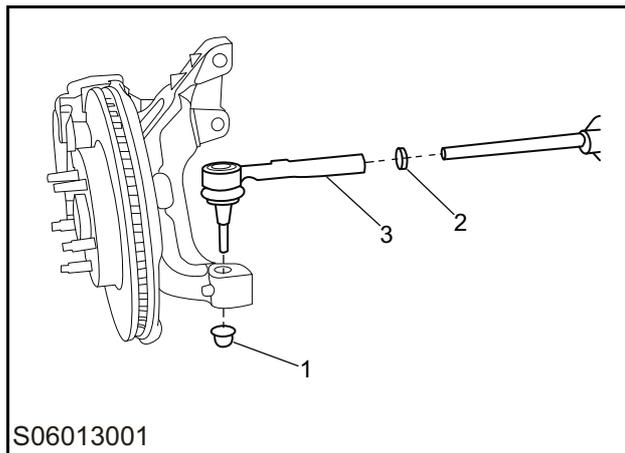
Four-Wheel Alignment

Check

- 1 Only the equipment approved by the company can be used for four-wheel alignment adjustment of the vehicle.
- 2 The equipment must be adjusted according to the manufacturer's requirements.
- 3 Ensure that the correct vehicle data is entered into the equipment.
- 4 Check if the steering tie rod ball joint, front lower swing arm ball joint and wheel bearing are worn. Replace or repair if required.
- 5 Check and adjust the tire pressure.
- 6 Lift the vehicle at the four-wheel aligner.
- 7 Ensure that the vehicle is under curb weight condition and lift the vehicle.
- 8 Ensure that the wheel mounting clamp is adjusted to the correct size and firmly fixed to the vehicle.
- 9 Make sure the camera is properly installed and aligned.
- 10 Conduct the alignment of the wheels according to the equipment manufacturing instruction. Lower the vehicle so that the vehicle suspension is in a normal state.
- 11 Ensure that the steering wheel is centered.

Adjustment

- 1 Observe the readings on the test equipment and adjust the four-wheel alignment data as required.
- 2 Alignment of front wheel toe-in:
 - a. Release the locking nut (2) on the steering gear outer tie rod.
 - b. Adjust the steering tie rod so that the alignment parameters of front wheels reach the specified value.
 - c. Tighten the locking nut to 53-63 N.m.



- d. Repeat the above steps on the other side.

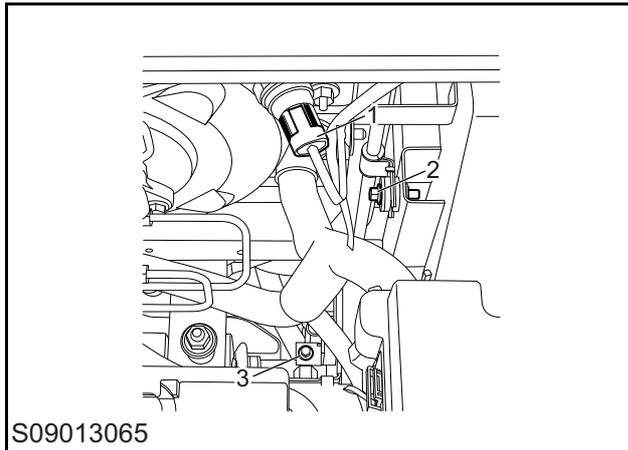
Service brake

Specification

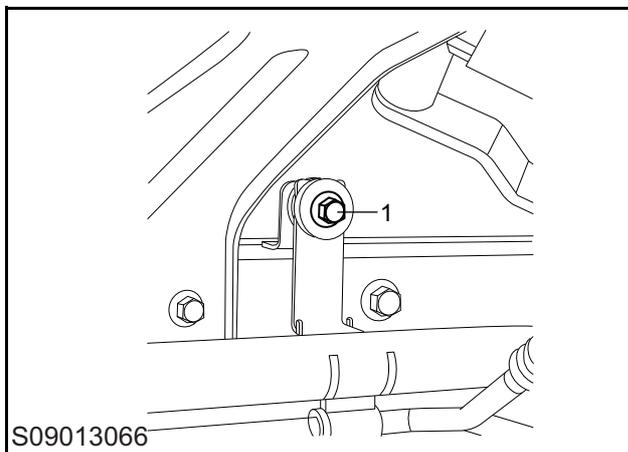
Fastener Specifications

Name	Torque (N.m)
Bolt - Front brake caliper assembly	100 - 120 N.m
Bolt - Front brake disc	8-10 N.m
Bolt - Brake hose to brake caliper	32-38 N.m
Bolt - Pedal assembly	20-24 N.m
Nut - Pedal assembly	20-24 N.m
Screw - Clutch pedal position sensor	1.2 - 1.8 N.m
Bolt - Rear brake drum	8-10 N.m
Bolt - Electronic vacuum pump	5 - 7 N.m
Bolt - Vacuum cylinder	20-24 N.m
bolt - the rear brake disc	8-10 Nm
bolt - the rear brake disc mudguard	20-24 Nm
Bolt - Rear brake caliper assembly	110-130 Nm
Bolt-brake lining guide pin	30-35Nm

- 5 Lower the vehicle.
- 6 Disconnect the connector (1) of the pipeline assembly (condenser to evaporator).
- 7 Remove the retaining bolt (2) fixing the pipeline assembly (condenser to evaporator) to the body.
- 8 Remove the retaining bolt (3) fixing the pipeline assembly (condenser to evaporator) to the A/C pipeline mounting bracket.

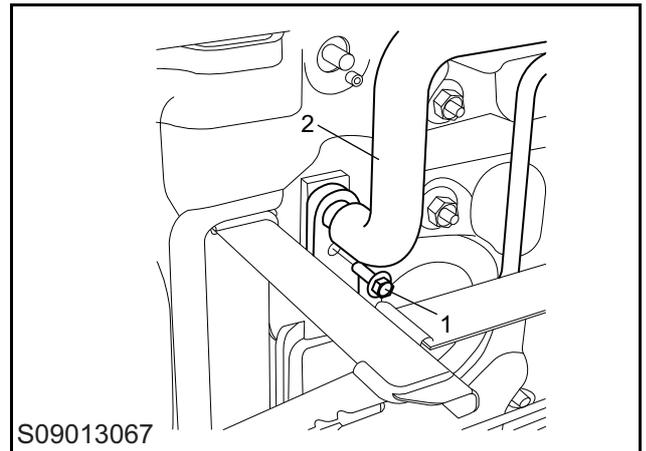


- 9 Remove the retaining bolt (1) fixing the pipeline assembly (condenser to evaporator) to the dash panel.



- 10 Remove the retaining bolt (1) fixing the pipeline assembly (condenser to evaporator) to the expansion valve, disconnect the pipeline assembly (condenser to evaporator) (2) from the expansion valve, and remove the pipeline assembly (condenser to evaporator) (2).

Note: Cover the expansion valve joint with the dust cover to prevent dust from entering.



Installation

- 1 Place the pipeline assembly (condenser to evaporator) to the appropriate position.
- 2 Remove the dust cover, and fix the pipeline assembly (condenser to evaporator) to the expansion valve.

Note: When installing, ensure the seal ring at the pipeline assembly (condenser to evaporator) joint is intact.

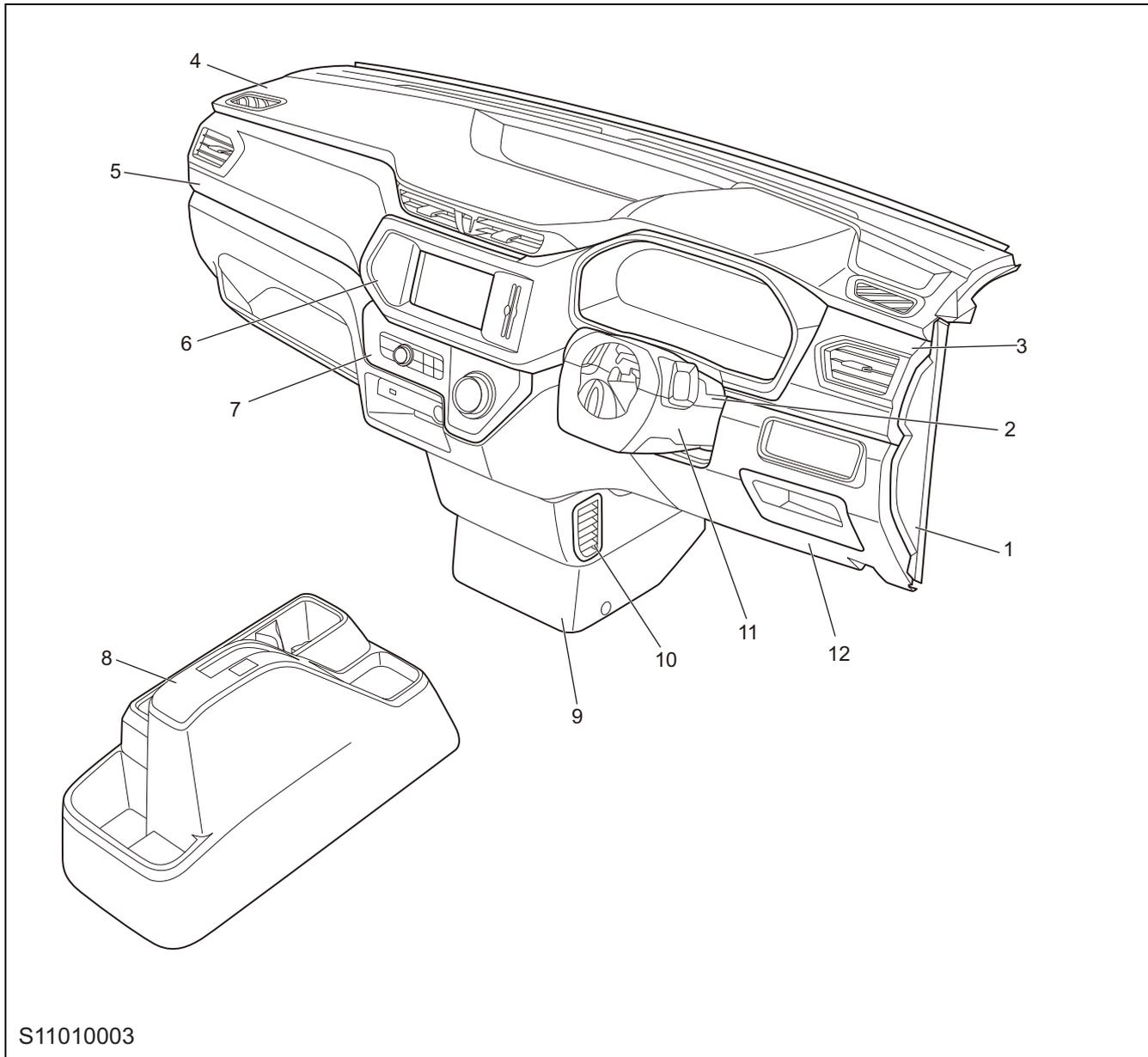
- 3 Install the retaining bolt fixing the pipeline assembly (condenser to evaporator) to the expansion valve, tighten them to $9 \pm 1\text{Nm}$ and check the torque.
- 4 Install the retaining bolt fixing the pipeline assembly (condenser to evaporator) to the dash panel.
- 5 Install the retaining bolt fixing the pipeline assembly (condenser to evaporator) to the body, tighten them to $9 \pm 1\text{Nm}$ and check the torque.
- 6 Install the retaining bolt fixing the pipeline assembly (condenser to evaporator) to the A/C pipeline mounting bracket, tighten them to $9 \pm 1\text{Nm}$ and check the torque.
- 7 Connect the connector of the pipeline assembly (condenser to evaporator).
- 8 Raise the vehicle.
- 9 Remove the dust cover, and fix the pipeline assembly (condenser to evaporator) to the condenser assembly.

Note: When installing, ensure the seal ring at the pipeline assembly (condenser to evaporator) joint is intact.

Interior Trim

Layout

Instrument Panel and Console Layout



- | | | | |
|---|---|----|---|
| 1 | left side cover plate assembly | 9 | instrument panel center lower trim panel assembly |
| 2 | steering column upper guard assembly | 10 | air outlet of instrument panel center lower trim panel |
| 3 | left instrument panel trim panel assembly | 11 | steering column lower guard assembly |
| 4 | instrument panel body assembly | 12 | instrument panel driver side lower guard board assembly |
| 5 | right instrument panel guard assembly | | |
| 6 | central control panel assembly | | |
| 7 | air conditioning control panel | | |
| 8 | auxiliary instrument panel assembly | | |

A-pillar Lower Trim Panel Replacement

Removal

- 1 Remove the footrest assembly(refer to "Footrest Assembly Replacement").
- 2 Remove the front door courtesy covering (refer to "Courtesy Covering Replacement").
- 3 Slowly pry up the A-pillar lower trim panel along the edge.

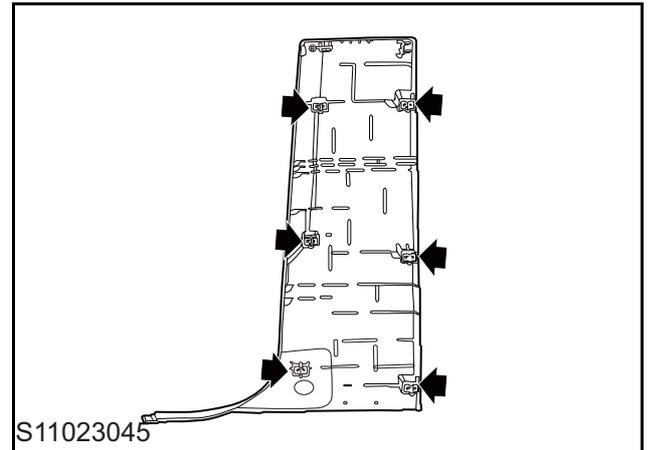
Installation

- 1 Installation is the reverse of removal.

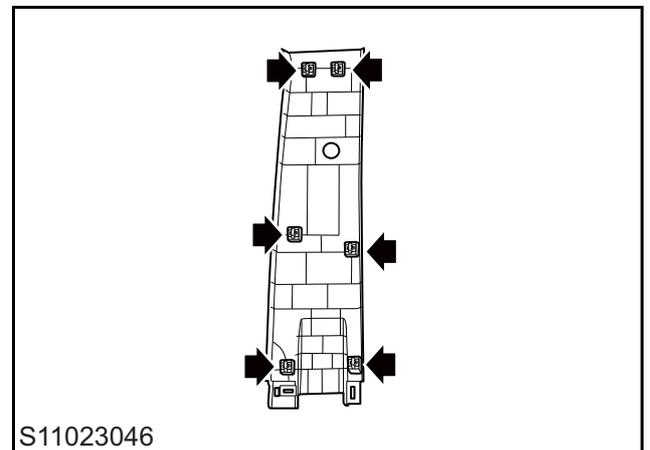
B-pillar Upper Trim Panel Replacement

Removal

- 1 Remove the front door and sliding door courtesy covering (refer to "Courtesy Covering Replacement").
- 2 Remove seat belt anchor points (refer to "Seat Belt Replacement").
- 3 Remove the B-pillar lower trim panel and positions of clips are as illustrated.



- 4 Remove the B-pillar upper trim panel and positions of clips are as illustrated.



Installation

- 5 Install the B-pillar upper trim panel and pay attention to the positions of clips.
- 6 Install the B-pillar lower trim panel and pay attention to positions of clips.
- 7 Install seat belt anchor points.
- 8 Install the front and rear door courtesy covering.

Exterior Trim

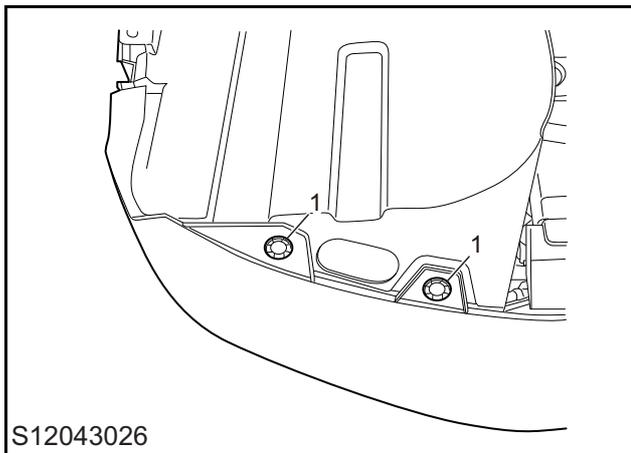
Bumper

Service Guide

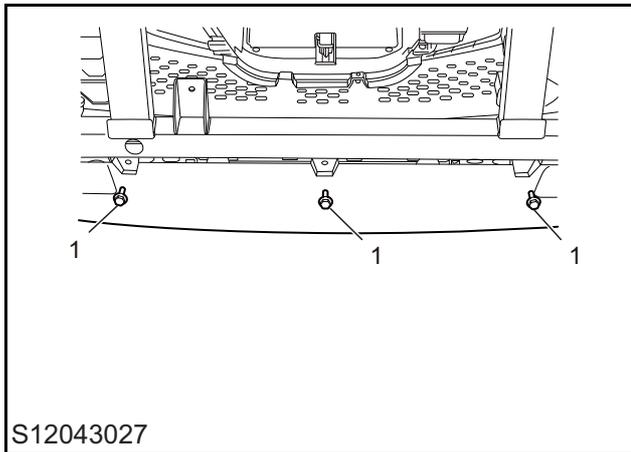
Front Bumper Assembly Replacement

Removal

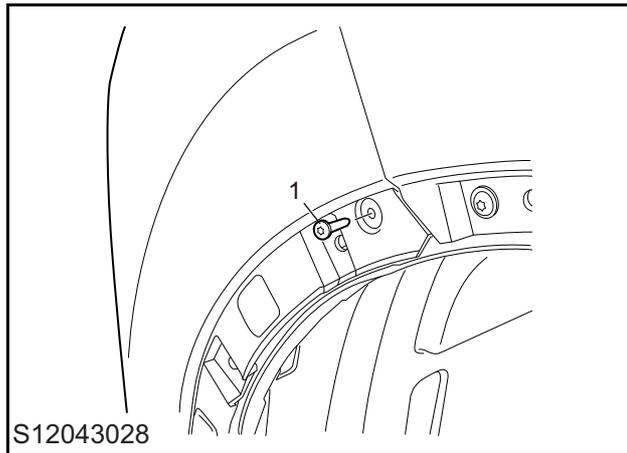
- 1 Remove the left and right wheel brow assembly. Refer to "Front and Rear Wheel Brow Assembly Replacement".
- 2 Remove 2 snap fasteners (1) of left and right front wheelhouse liners.



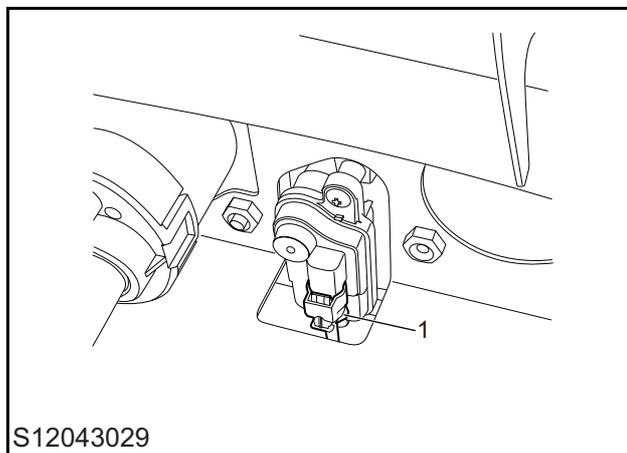
- 3 Remove 3 retaining bolts (1) fixing the front bumper assembly to the front bumper bracket.



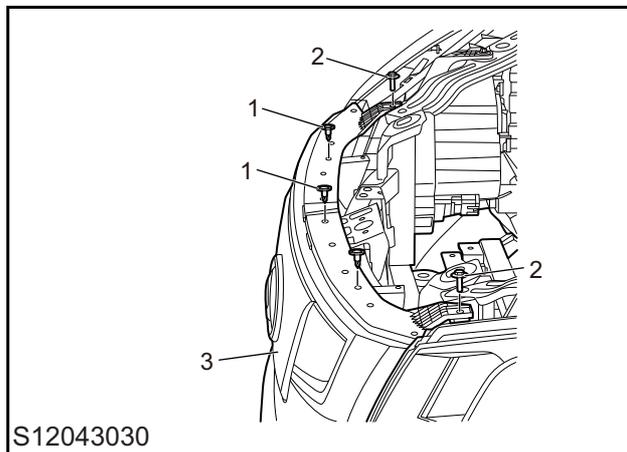
- 4 Remove retaining screws (1) fixing the front bumper assembly to left and right front bumper brackets.



- 5 Disconnect the connector (1) of the charging port.



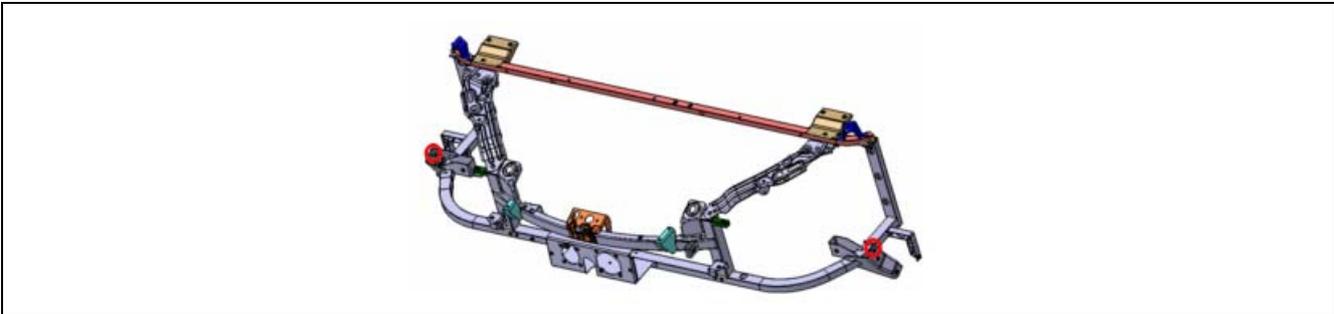
- 6 Remove 3 snap fasteners (1) fixing the front bumper assembly to the front bumper bracket.
- 7 Remove 2 retaining bolts (2) fixing the front bumper assembly to the front bumper bracket.
- 8 Remove the front bumper assembly and charging port (3) from the vehicle body.



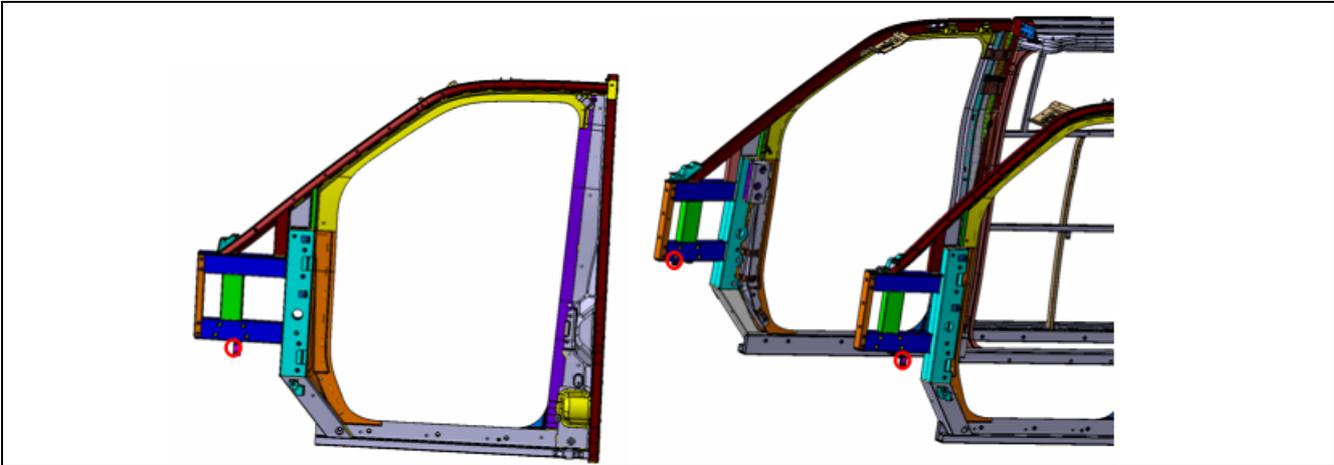
Reference point	Reference dimension (mm)	Reference point	Reference dimension (mm)
8-8	1632.426	18-19	997.22
9-9	1734	20-20	1437.233
10-10	1732.5	21-21	1561.166
13-16	1053.031		
14-16	1060.764		
15-16	1053.411		
17-19	946.625		

Graphic illustration of body cabin assembly

8 Fender front mounting point (symmetry)

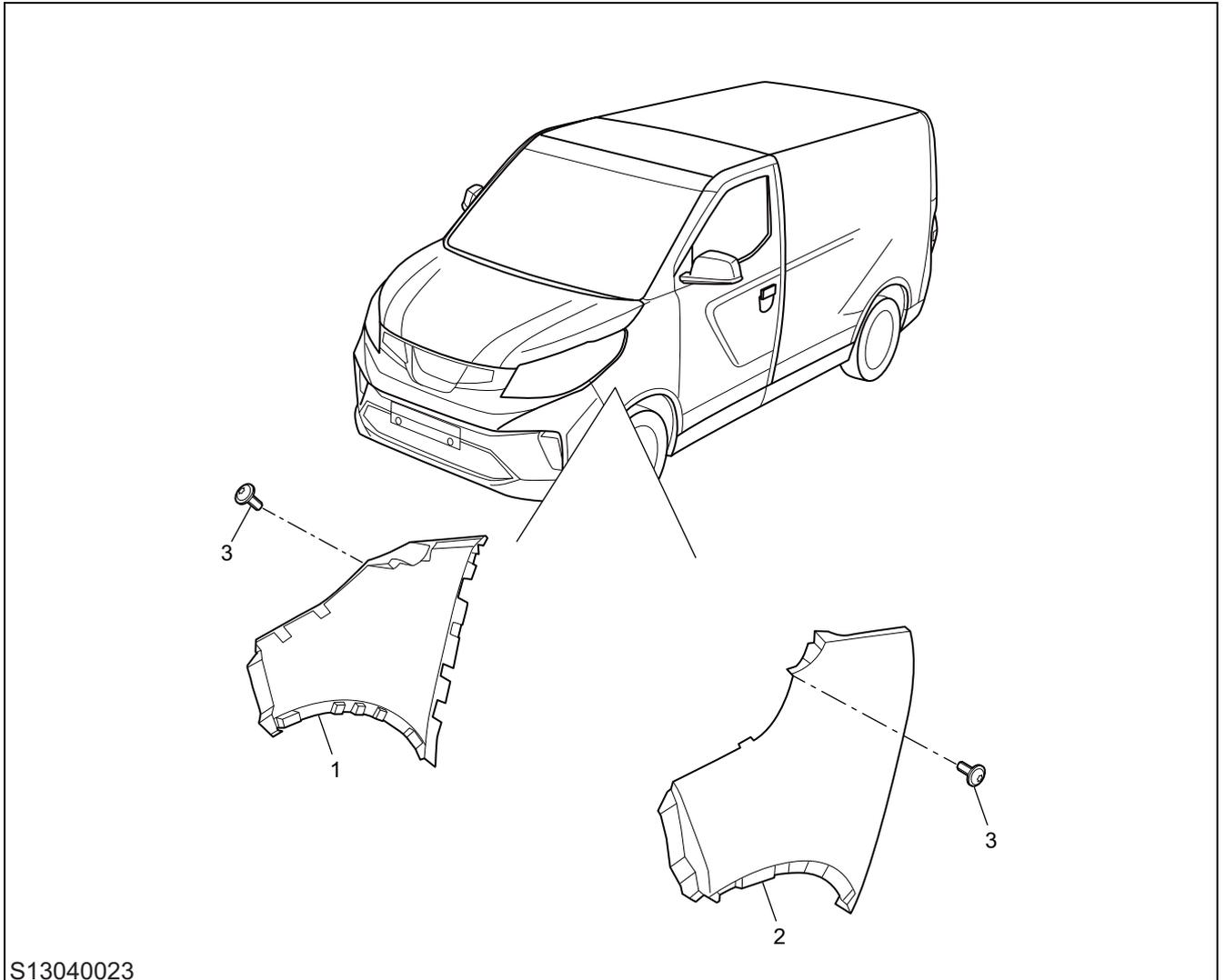


9 Fender middle mounting point (symmetry)



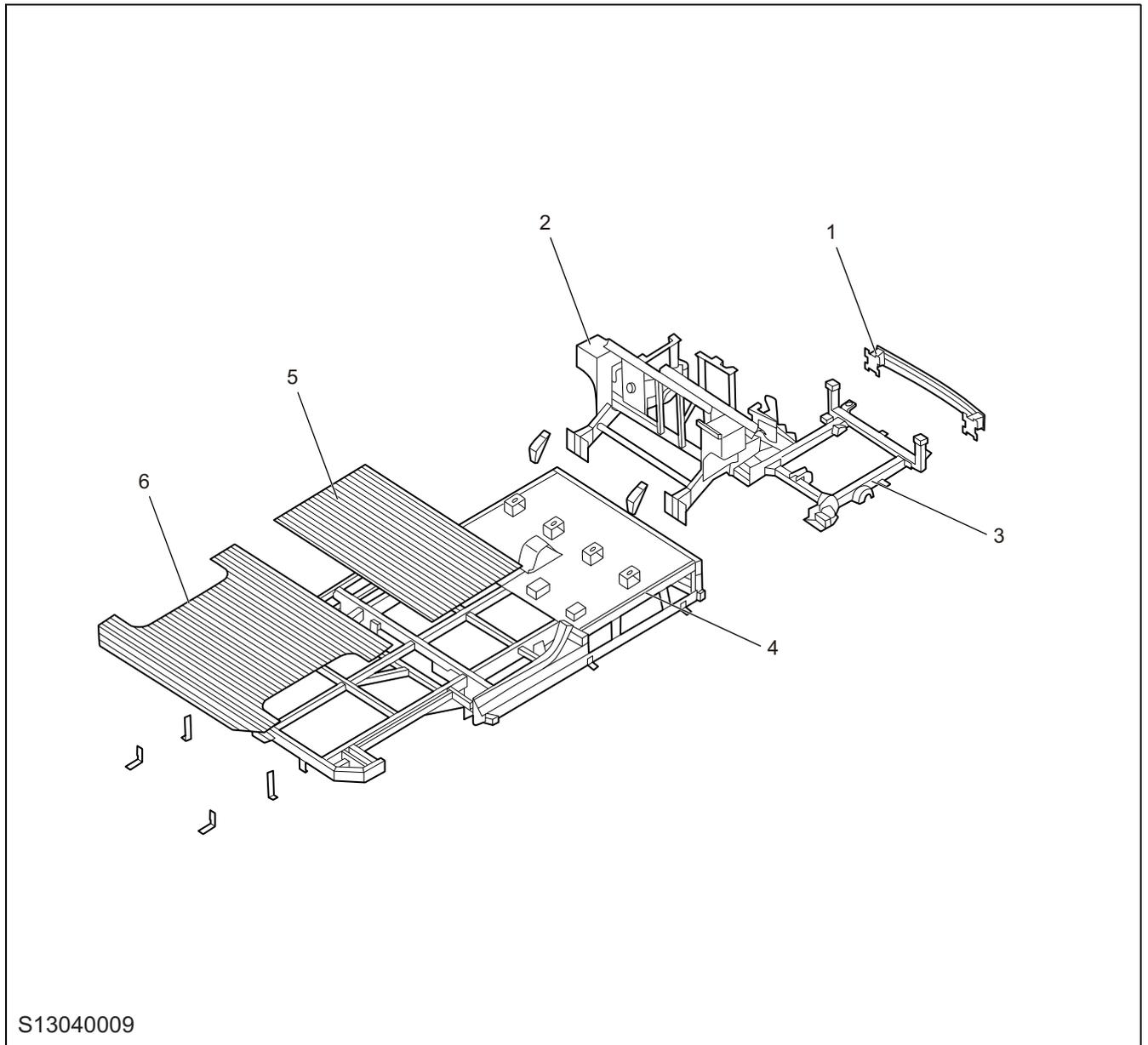
10 Fender rear mounting points (symmetric)

Fender Layout



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- 1 Fender
- 2 Fender
- 3 Fender bolt



- 1 Front Anti-collision Beam Assembly
- 2 Front Frame Assembly
- 3 Subframe Assembly

- 4 Rear Floor Frame Assembly
- 5 Middle Floor
- 6 Rear Floor

Electrical circuit diagrams

BMS System

