AXIOM

BODY AND ACCESSORIES

CONTENTS

Lighting System 8A
Wiper / Washer System 8B
Entertainment 8C
Wiring System 8D
Meter and Gauge 8E
Body Structure 8F
Seats 8G
Security and Locks 8H
Sunroof / Convertible Top 8I
Exterior / Interior Trim 8J

LIGHTING SYSTEM

CONTENTS

Service Precaution 8A–2
Headlight Bulb 8A–3
Removal 8A–3
Installation 8A–3
Headlight Assembly 8A–4
Removal 8A–4
Installation 8A–4
Headlight Adjustment 8A–4
Side Marker Light Bulb 8A–6
Removal 8A–6
Installation 8A–6
Taillight Bulb 8A–7
Removal 8A–7
Installation 8A–7
License Plate Light Bulb 8A–8
Removal 8A–8
Installation 8A–8
Stoplight Bulb 8A–8
Removal and Installation 8A–8
High Mounted Stoplight Assembly 8A–9
Removal 8A–9
Installation 8A–9
High Mounted Stoplight Bulb 8A–9
Removal 8A–9
Installation 8A–9
Backup Light Bulb 8A–10
Removal 8A–10
Installation 8A–10
Front Turn Signal Light Bulb 8A–10
Removal and Installation 8A–10
Rear Turn Signal Light Bulb 8A–11
Removal 8A–11
Installation 8A–11
Dome Light Bulb 8A–11
Removal 8A–11
Installation 8A–11
Map Light Bulb 8A–12
Removal 8A–12
Installation 8A–12
Courtesy Light Bulb 8A–12
Removal 8A–12
Installation 8A–12
Luggage Room Light Bulb 8A–13
Removal 8A–13
Installation 8A–13
Shift Lever Illumination Light Bulb (A/T) 8A–13
Removal 8A–13
Installation 8A–13
Vanity Mirror Illumination Light Bulb 8A–14
Removal 8A–14
Installation 8A–14
Switch Unit Assembly Illumination Light Bulb (Power/Winter & Intelligent Suspension Switch) 8A–14
Removal 8A–14
Installation 8A–14
TOD Switch Illumination Light Bulb 8A–15
Removal 8A–15
Installation 8A–15
Cruise Control Main Switch Illumination Light Bulb 8A–15
Removal 8A–15
Installation 8A–15
Rear Wiper and Washer Switch Illumination Light Bulb 8A–16
Removal 8A–16
Installation 8A–16
Seat Heater Switch Illumination Light Bulb .. 8A–16
Removal 8A–16
Installation 8A–16
Starter Switch 8A–17
Removal and Installation 8A–17
Lighting Switch (Combination Switch) 8A–17

Removal and Installation 8A–17
Dimmer·Passing Switch (Combination Switch) 8A–17
Removal and Installation 8A–17
Front Door Switch 8A–17
Removal 8A–17
Installation 8A–17
Rear Door Switch 8A–18
Removal 8A–18
Installation 8A–18
Tailgate Lock Switch 8A–18
Removal 8A–18
Installation 8A–18
Key Remind Switch (Starter Switch) 8A–19
Removal and Installation 8A–19
Hazard Warning Light Switch 8A–19
Removal 8A–19
Installation 8A–19
Stoplight Switch 8A–20
Removal and Installation 8A–20
Turn Signal Light Switch (Combination Switch) 8A–20
Removal and Installation 8A–20
Illumination Controller 8A–20
Removal 8A–20
Installation 8A–20
Main Data and Specifications 8A–21

Service Precaution

WARNING: THIS VEHICLE HAS A SUPPLEMENTAL RESTRAINT SYSTEM (SRS). REFER TO THE SRS COMPONENT AND WIRING LOCATION VIEW IN ORDER TO DETERMINE WHETHER YOU ARE PERFORMING SERVICE ON OR NEAR THE SRS COMPONENTS OR THE SRS WIRING. WHEN YOU ARE PERFORMING SERVICE ON OR NEAR THE SRS COMPONENTS OR THE SRS WIRING, REFER TO THE SRS SERVICE INFORMATION. FAILURE TO FOLLOW WARNINGS COULD RESULT IN POSSIBLE AIR BAG DEPLOYMENT, PERSONAL INJURY, OR OTHERWISE UNNEEDED SRS SYSTEM REPAIRS.

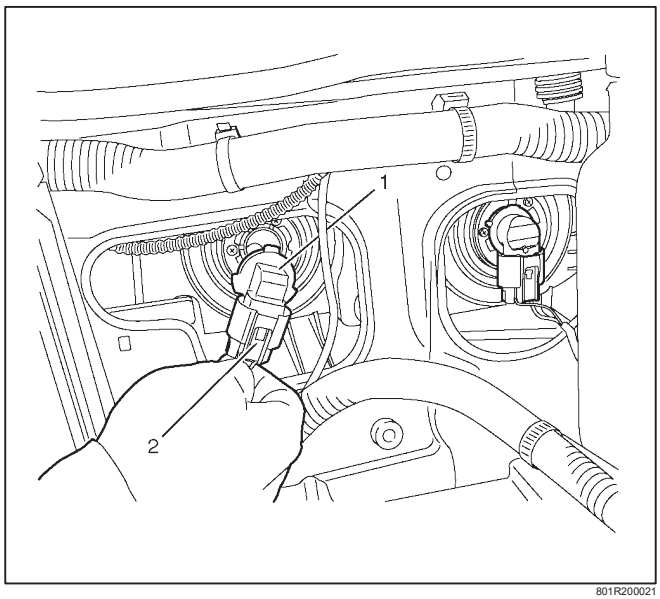
CAUTION: Always use the correct fastener in the proper location. When you replace a fastener, use ONLY the exact part number for that application. ISUZU will call out those fasteners that require a replacement after removal. ISUZU will also call out the fasteners that require thread lockers or thread sealant. UNLESS OTHERWISE SPECIFIED, do not use supplemental coatings (Paints, greases, or other corrosion inhibitors) on threaded fasteners or fasteners joint interfaces. Generally, such coatings adversely affect the fastener torque and the joint clamping force, and may damage the fasteners. When you install fasteners, use the correct tightening sequence and specifications. Following these instructions can help you avoid damage to parts and systems.

Headlight Bulb

Removal

1. Disconnect the battery ground cable.
2. Remove the headlight bulb.
   - Disconnect the connector (2).
   - Remove the socket (1) by turning it counterclockwise.

CAUTION: Do not touch the headlight bulb with your fingers. The oil on your fingers will leave a residue which will shorten the life of the halogen bulb. In order to prevent this problem, clean the bulb lens before installing the headlight bulb.



801R200021

Installation

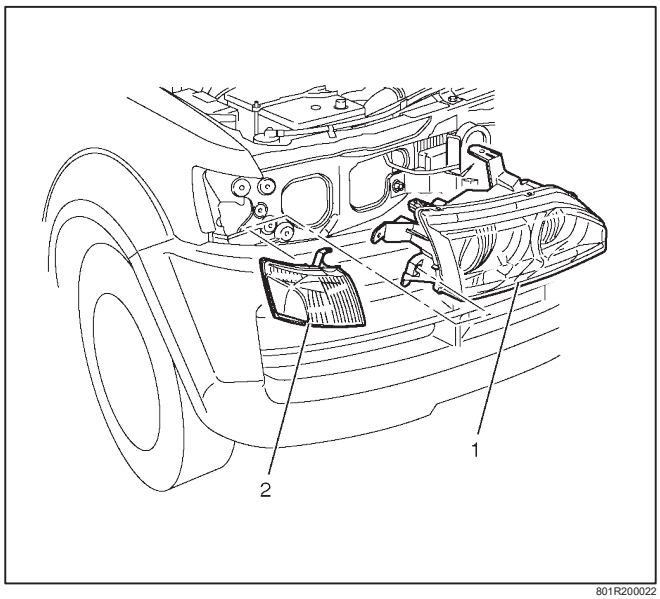
To install, follow the removal steps in the reverse order. noting the following point:

1. Make sure to set the retaining ring and the bulb cover. If the set is incomplete, there is a possibility that the water comes in the light.

Headlight Assembly

Removal

1. Disconnect the battery ground cable.
2. Remove the front combination light (2).
   - Remove the screw.
   - Disconnect the connector.
3. Remove the headlight assembly (1).
   - Disconnect the connector.
   - Remove four screws.



801R200022

Installation

To install, follow the removal steps in the reverse order. noting the following point:

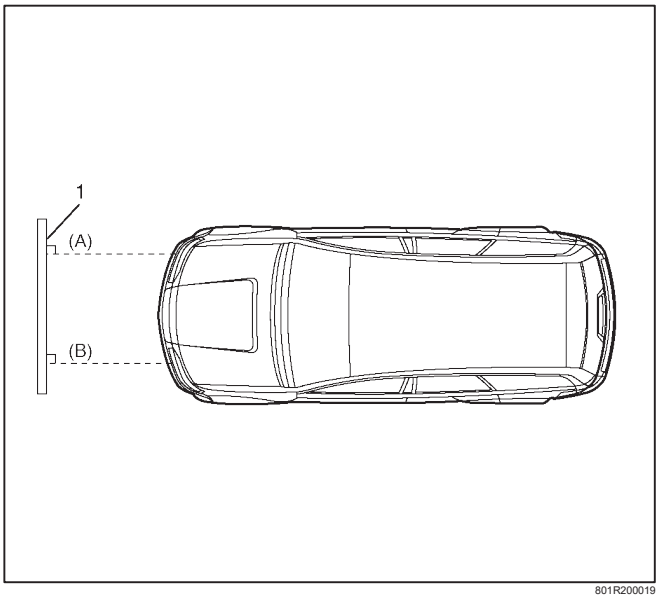
1. After installing the headlight, be sure to adjust the headlight aim.

Headlight Adjustment

Preparation

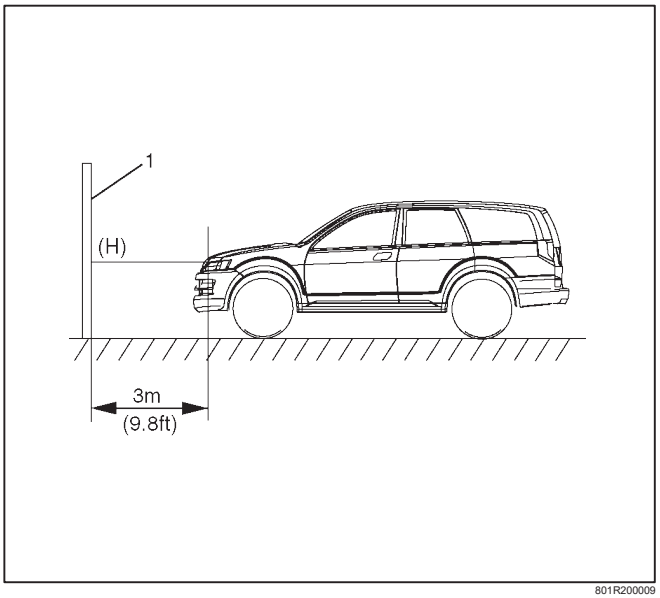
Place the vehicle with 1 person in driver seat on a level surface and check to see if the inflation pressure of the tires is correct, the lenses are clean, the battery is sufficiently charged, and adjust to place vehicle by using the screen.

1. Set a vertical screen on a level surface.
2. Toward the screen (1) from the bulb center mark of the headlight, extend parallel lines to the floor. Mark point (A) and (B) on the screen at the intersection of parallel line and the screen.
3. Draw vertical lines through point (A) and (B) on the screen.



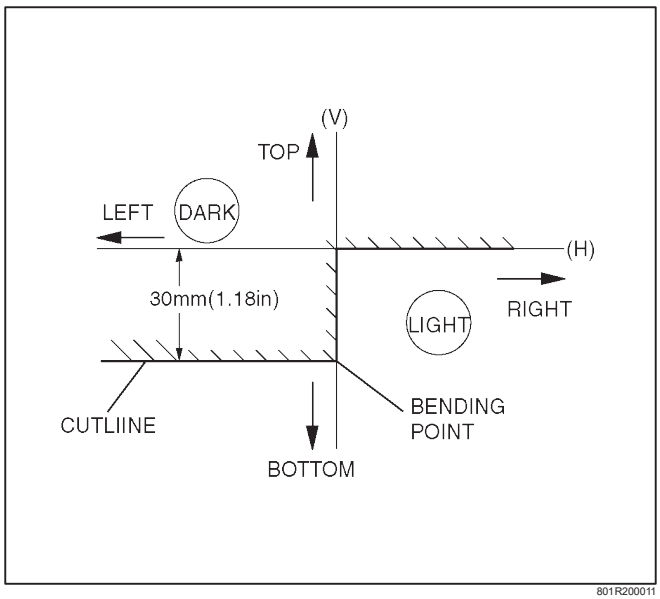
801R200019

4. Keep the vehicle (2) 3m (9.8 ft) apart from the screen (1).
5. Draw a horizontal line through point (A) and (B) on the screen (1).



801R200009

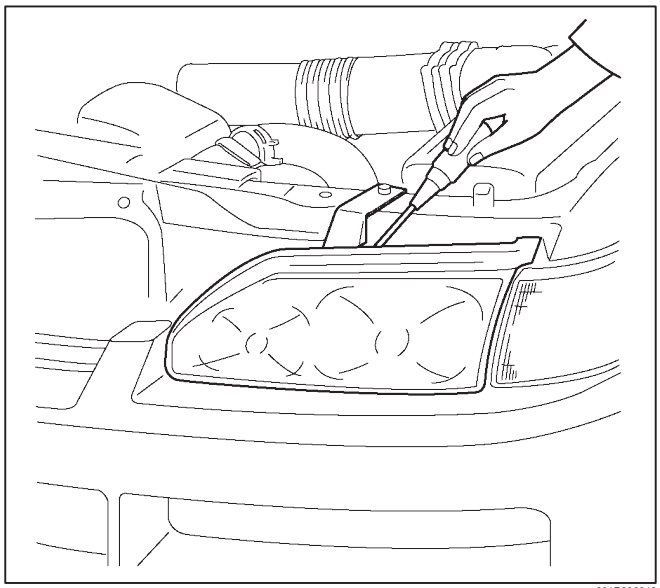
6. Turn the headlight low beam on.
7. Adjust the CUTLINE 30 mm (1.18 in) below the horizontal line (H).



801R200011

Vertical Adjustment

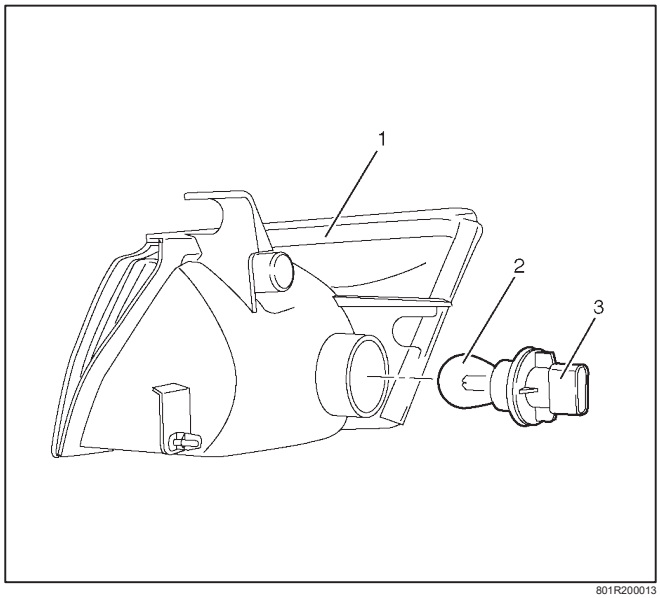
Use a screwdriver for vertical adjustment.


801R200012

Side Marker Light Bulb

Removal

1. Disconnect the battery ground cable.
2. Remove the front combination light (1).
   - Remove the screw.
3. Remove the bulb (2).
   - Remove the side marker light socket (3) by turning it counterclockwise.
   - Remove the bulb by turning it counterclockwise while pushing it at the same time.



801R200013

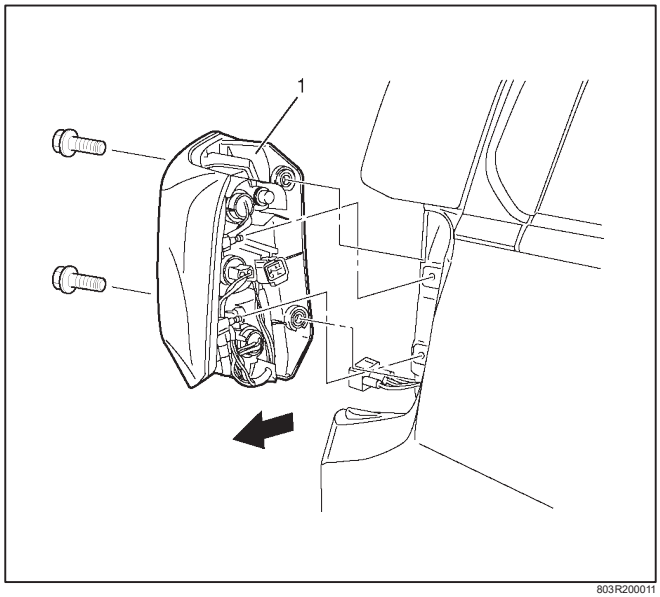
Installation

To install, follow the removal steps in the reverse order.

Taillight Bulb

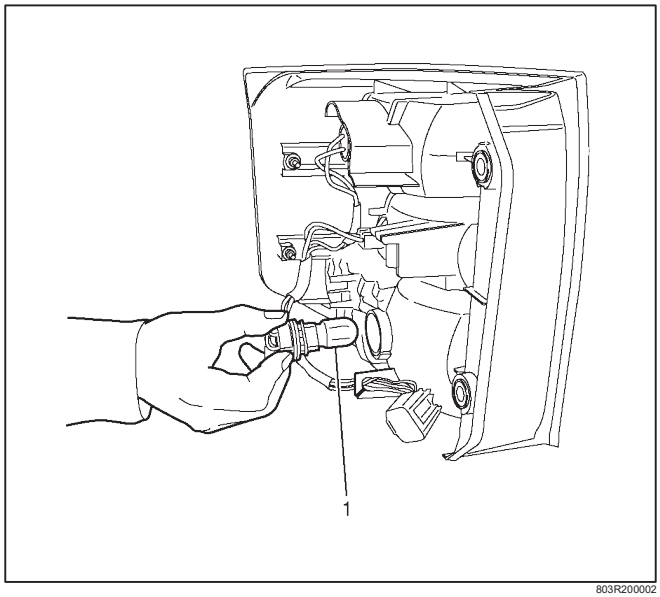
Removal

1. Disconnect the battery ground cable.
2. Remove the rear combination light assembly (1).
   - Remove two screws.
   - Pull out the rear combination light assembly outside.



803R200011

3. Remove the bulb (1).
   - Remove the taillight socket by turning it counterclockwise.
   - Remove the bulb by turning it counterclockwise while pushing it at the same time.



803R200002

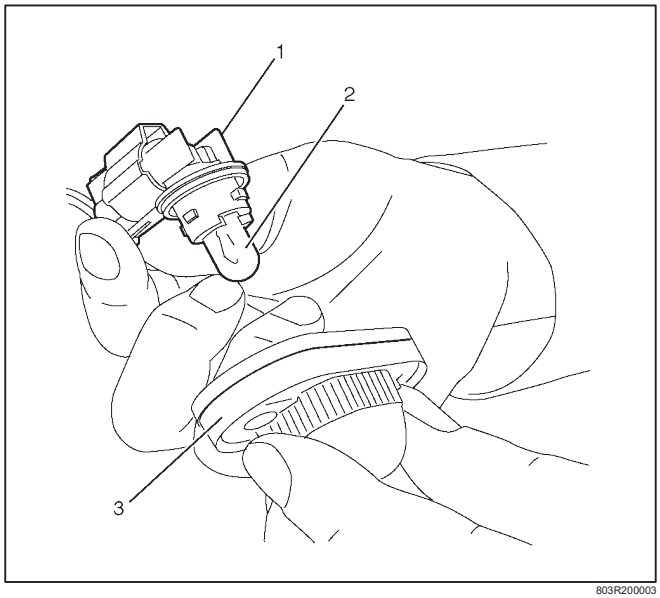
Installation

To install, follow the removal steps in the reverse order.

License Plate Light Bulb

Removal

1. Disconnect the battery ground cable.
2. Remove the license plate light garnish.
   - Remove the three screws.
3. Remove the lens cover (3).
   - Remove two screws.
4. Remove the license plate light socket by turning it counterclockwise.
5. Remove the bulb (2).
   - Pull out the bulb from the socket (1).



803R200003

Installation

To install, follow the removal steps in the reverse order.

Stoplight Bulb

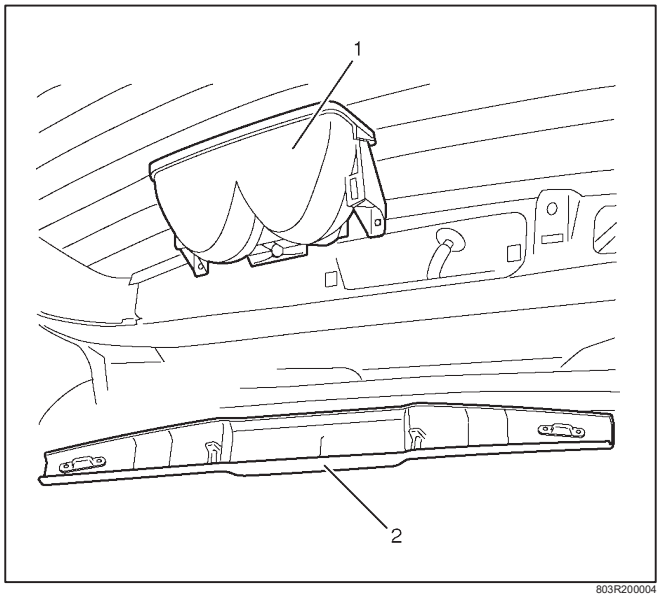
Removal and Installation

Refer to *Taillight Bulb* in this section.

High Mounted Stoplight Assembly

Removal

1. Disconnect the battery ground cable.
2. Remove the high mounted stoplight assembly (1).
   - Remove the cover (2).
   - Remove two screws.
   - Disconnect the connector.



803R200004

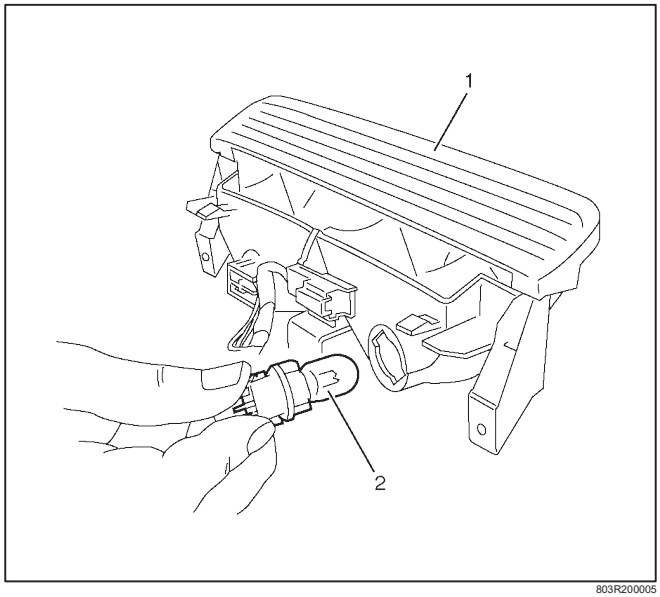
Installation

To install, follow the removal steps in the reverse order.

High Mounted Stoplight Bulb

Removal

1. Disconnect the battery ground cable.
2. Remove the cover.
3. Remove the high mounted stoplight assembly (1).
   - Remove two screw.
4. Remove the bulb (2).
   - Remove the socket by turning it counterclockwise.



803R200005

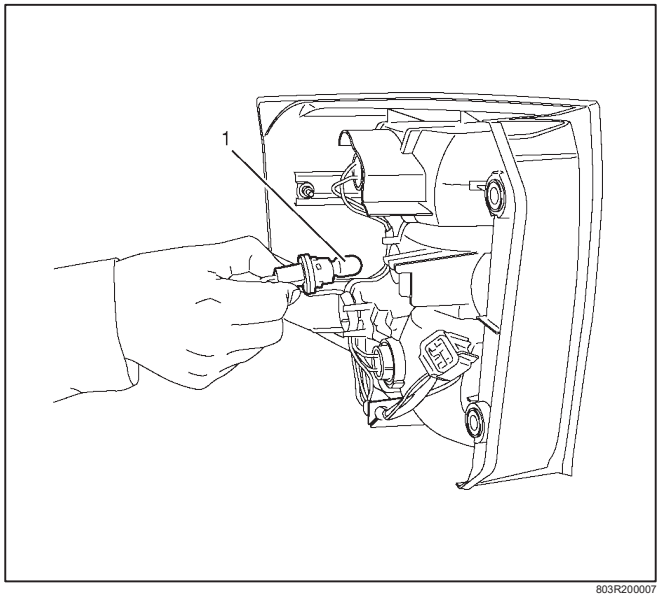
Installation

To install, follow the removal steps in the reverse order.

Backup Light Bulb

Removal

1. Disconnect the battery ground cable.
2. Remove the rear combination light assembly.
   - Refer to *Taillight Bulb* in this section.
3. Remove the bulb (1).
   - Remove the backup light socket by turning it counterclockwise.
   - Pull out the bulb from the socket.



Installation

To install, follow the removal steps in the reverse order.

Front Turn Signal Light Bulb

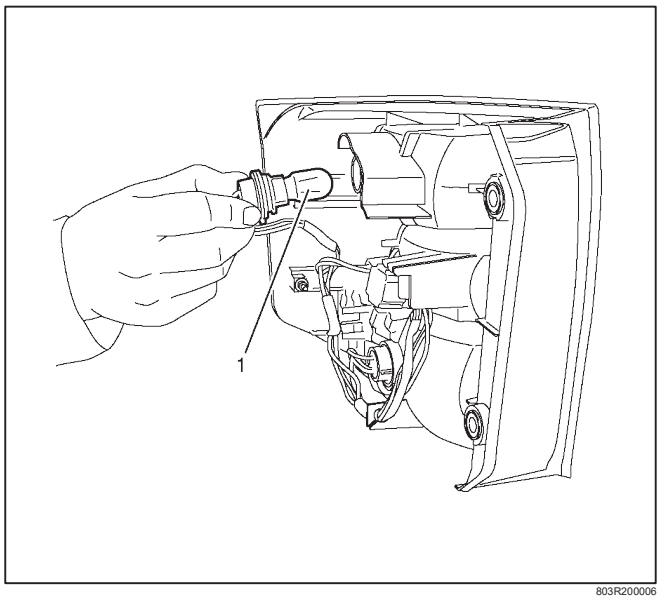
Removal and Installation

Refer to *Side Marker Light Bulb* in this section.

Rear Turn Signal Light Bulb

Removal

1. Disconnect the battery ground cable.
2. Remove the rear combination light assembly.
   - Refer to *Taillight Bulb* in this section.
3. Remove the bulb (1).
   - Remove the rear turn signal light socket by turning it counterclockwise.
   - Remove the bulb by turning it counterclockwise while pushing it at the same time.



803R200006

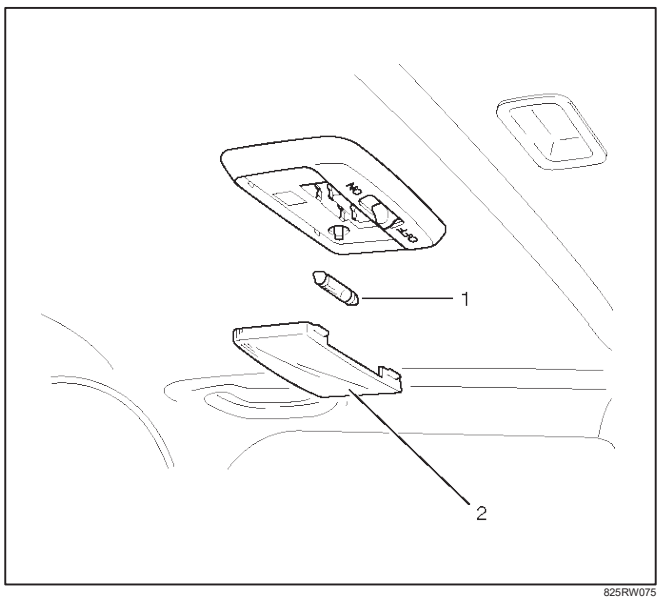
Installation

To install, follow the removal steps in the reverse order.

Dome Light Bulb

Removal

1. Disconnect the battery ground cable.
2. Remove the lens (2).
3. Remove the bulb (1).
   - Pull out the bulb.



825RW075

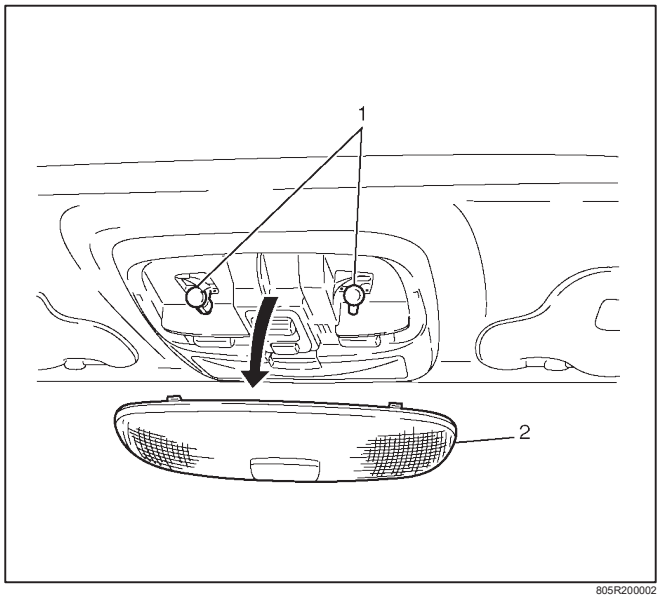
Installation

To install, follow the removal steps in the reverse order.

Map Light Bulb

Removal

1. Disconnect the battery ground cable.
2. Remove the lens (2).
3. Remove the bulb (1).
   - Pull out the bulb.



805R200002

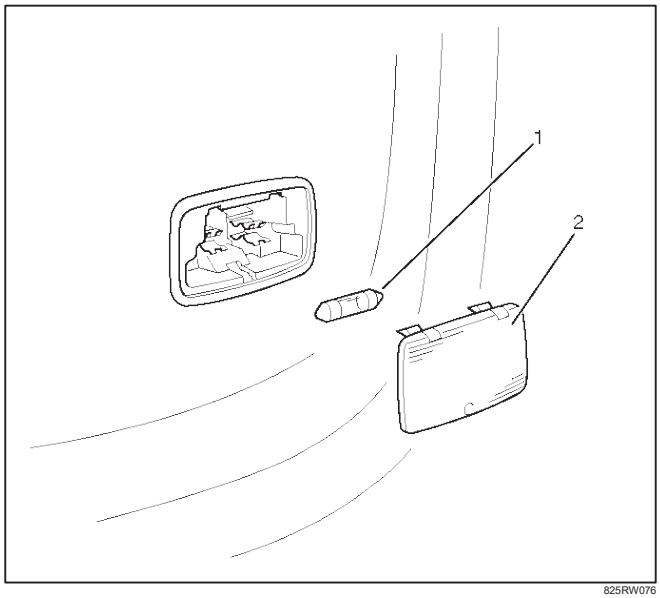
Installation

To install, follow the removal steps in the reverse order.

Courtesy Light Bulb

Removal

1. Disconnect the battery ground cable.
2. Remove the lens (2).
3. Remove the bulb (1).
   - Pull out the bulb.



825RW076

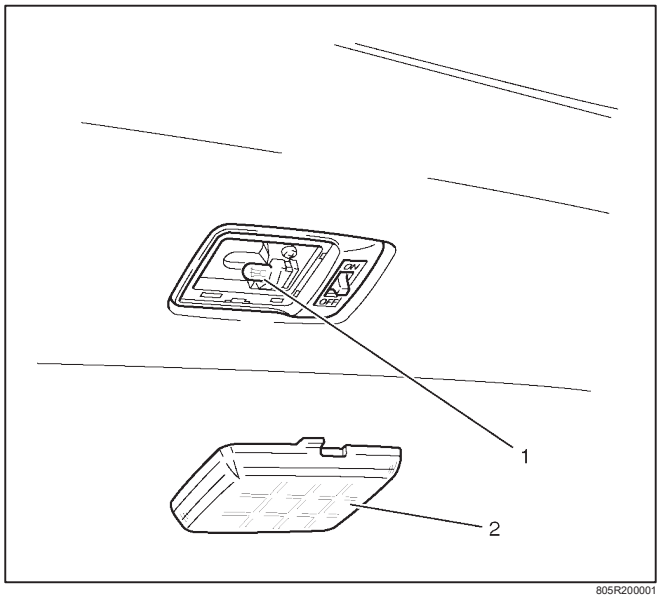
Installation

To install, follow the removal steps in the reverse order.

Luggage Room Light Bulb

Removal

1. Disconnect the battery ground cable.
2. Remove the lens (2).
3. Remove the bulb (1).
   - Pull out the bulb.



805R200001

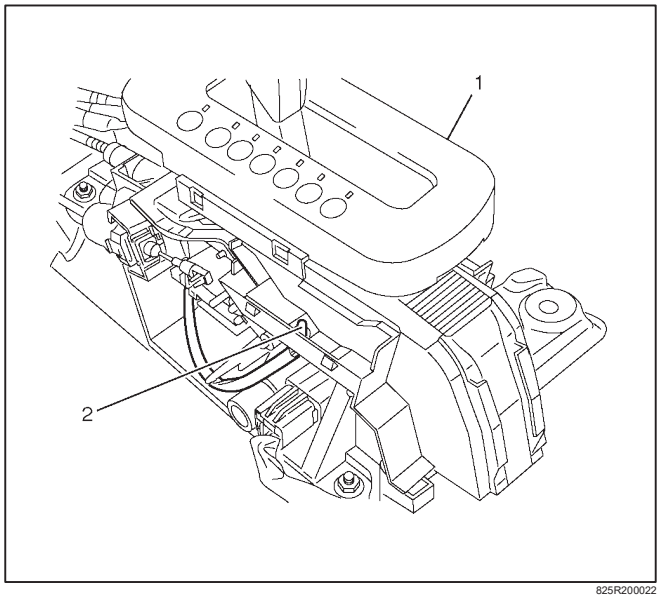
Installation

To install, follow the removal steps in the reverse order.

Shift Lever Illumination Light Bulb (A/T)

Removal

1. Disconnect the battery ground cable.
2. Remove the console assembly.
   - Refer to *Consol in Body Structure* section.
3. Remove the indicator cover (1).
4. Remove the bulb (2).
   - Turn the bulb socket counterclockwise.
   - Pull out the bulb from the socket.



825R200022

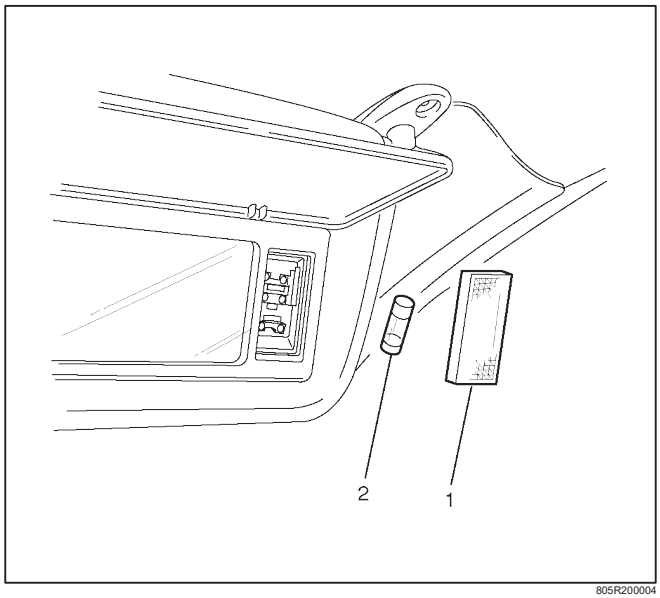
Installation

To install, follow the removal steps in the reverse order.

Vanity Mirror Illumination Light Bulb

Removal

1. Disconnect the battery ground cable.
2. Remove the lens (1).
3. Remove the bulb (2).



805R200004

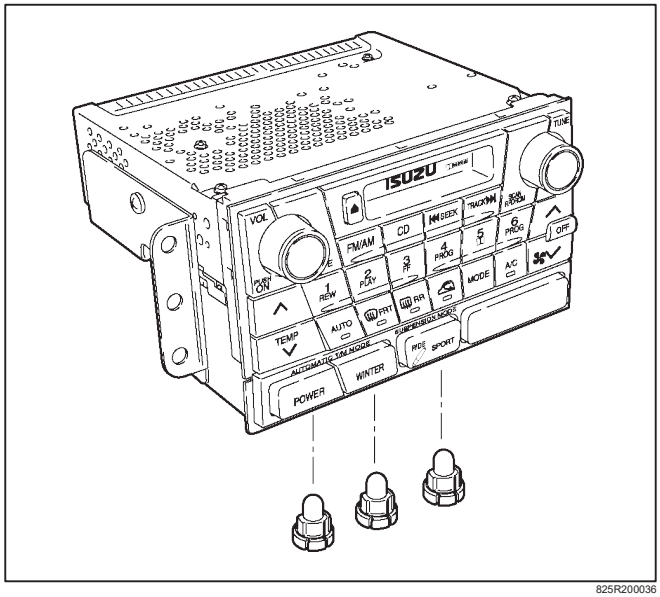
Installation

To install, follow the removal steps in the reverse order.

Switch Unit Assembly Illumination Light Bulb (Power/Winter & Intelligent Suspension Switch)

Removal

1. Disconnect the battery ground cable.
2. Remove the center cluster assembly.
   - Refer to *Instrument Panel Assembly in Body Structure* section.
3. Remove the audio.
   - Refer to *Audio in Entertainment* section.
4. Remove the illumination light bulb.



825R200036

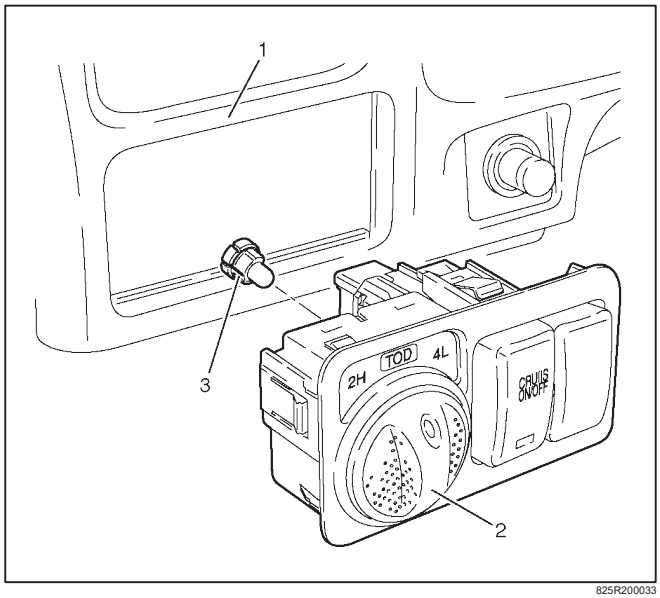
Installation

To install, follow the removal steps in the reverse order.

TOD Switch Illumination Light Bulb

Removal

1. Disconnect the battery ground cable.
2. Remove the meter cluster (1).
   - Refer to *Instrument Panel Assembly in Body Structure* section.
3. Remove the bulb (3).
   - Disconnect the TOD switch connector and cruise control main switch connector.
   - Remove the TOD switch (2).



825R200033

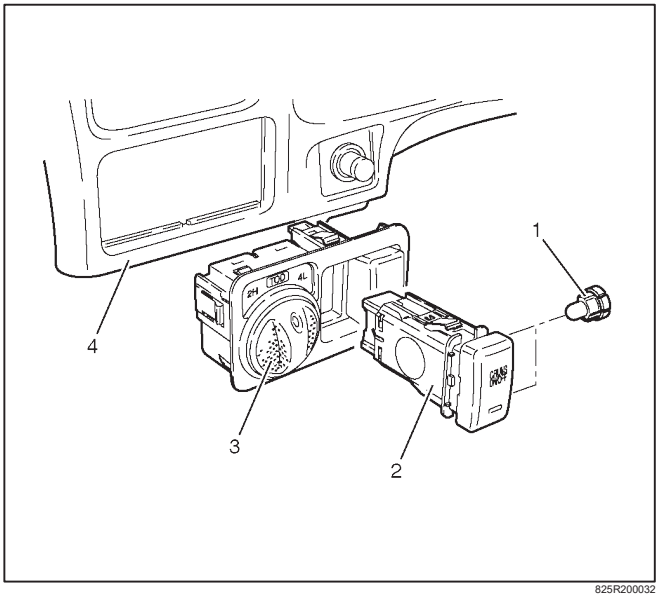
Installation

To install, follow the removal steps in the reverse order.

Cruise Control Main Switch Illumination Light Bulb

Removal

1. Disconnect the battery ground cable.
2. Remove the meter cluster panel (4).
   - Refer to *Instrument Panel Assembly in Body Structure* section.
3. Remove the bulb (1).
   - Disconnect the TOD switch connector and cruise control main switch connector.
   - Remove the TOD switch (3).
   - Remove the cruise main switch (2).



825R200032

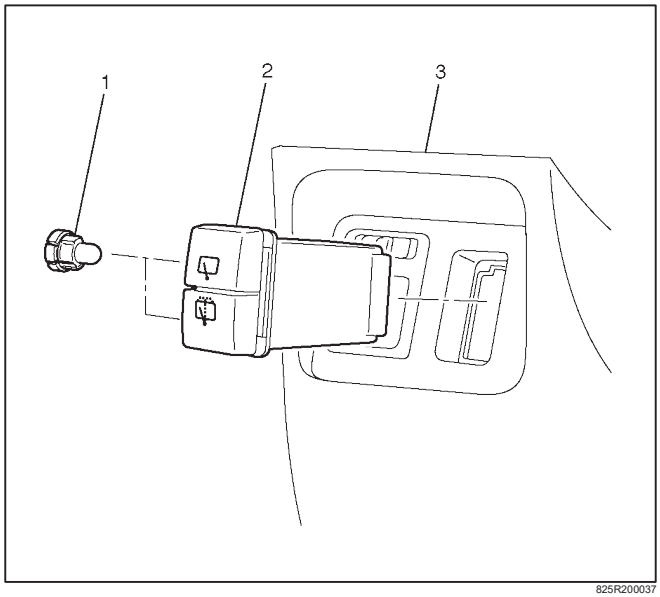
Installation

To install, follow the removal steps in the reverse order.

Rear Wiper and Washer Switch Illumination Light Bulb

Removal

1. Disconnect the battery ground cable.
2. Remove the lower cover assembly (3).
   - Remove the dash side trim cover.
3. Remove the bulb (1).
   - Disconnect the connector.
   - Remove the rear wiper and washer switch (2).



825R200037

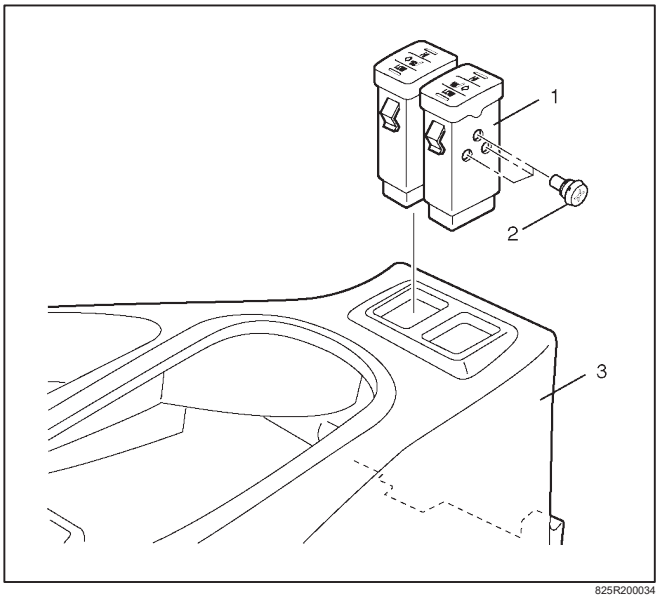
Installation

To install, follow the removal steps in the reverse order.

Seat Heater Switch Illumination Light Bulb

Removal

1. Disconnect the battery ground cable.
2. Remove the center consol assembly (3).
   - Refer to *Consol in Body Structure* section.
3. Remove the bulb (2).
   - Disconnect the seat heater switch connector.
   - Remove the seat heater switch (1).



825R200034

Installation

To install, follow the removal steps in the reverse order.

Starter Switch

Removal and Installation

Refer to *Lock Cylinder in Steering* section.

Lighting Switch (Combination Switch)

Removal and Installation

Refer to *Combination Switch in Steering* section.

Dimmer·Passing Switch (Combination Switch)

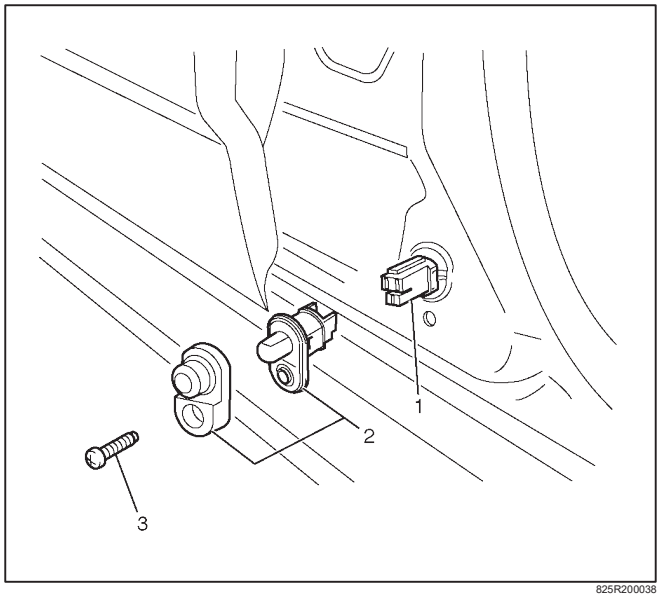
Removal and Installation

Refer to *Combination Switch in Steering* section.

Front Door Switch

Removal

1. Disconnect the battery ground cable.
2. Remove the door switch (2).
   - Remove the screw (3).
   - Disconnect the connector (1).



825R200038

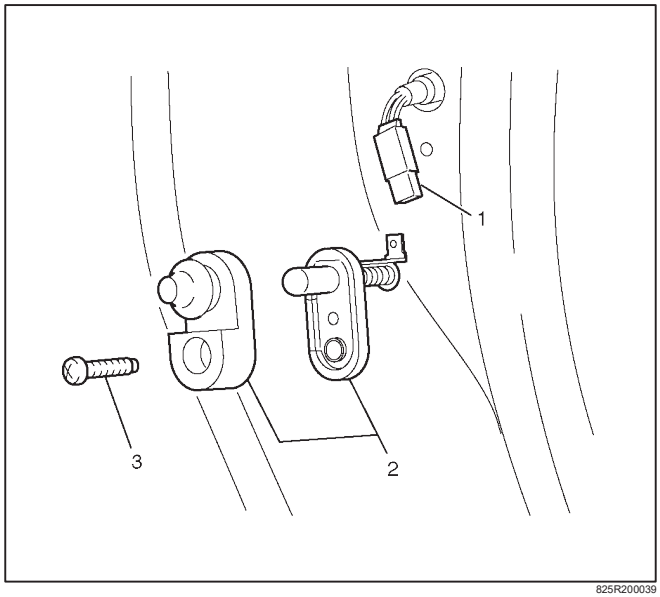
Installation

To install, follow the removal steps in the reverse order.

Rear Door Switch

Removal

1. Disconnect the battery ground cable.
2. Remove the door switch (2).
   - Remove the screw (3).
   - Disconnect the connector (1).



825R200039

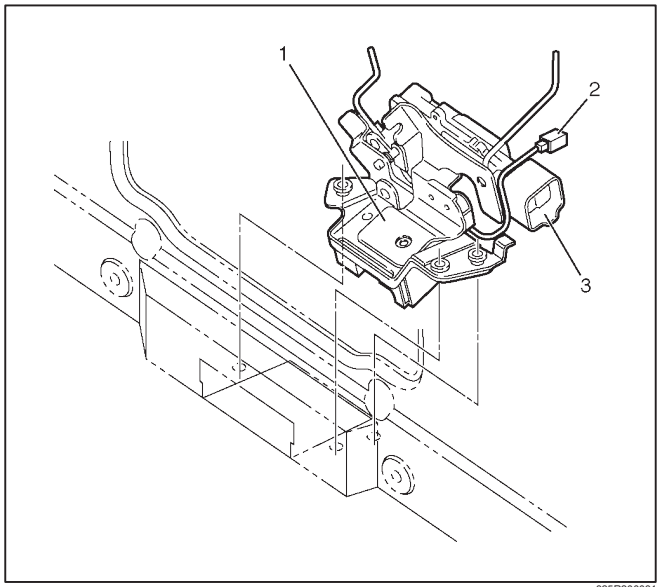
Installation

To install, follow the removal steps in the reverse order.

Tailgate Lock Switch

Removal

1. Disconnect the battery ground cable.
2. Remove the tailgate outside handle.
   - Refer to *Tail Gate Outside Handle in Security and Locks* section.
3. Remove the tail gate lock switch (1).
   - Disconnect the switch connector (2) and lock actuator connectors (3).



825R200031

Installation

To install, follow the removal steps in the reverse order.

Key Remind Switch (Starter Switch)

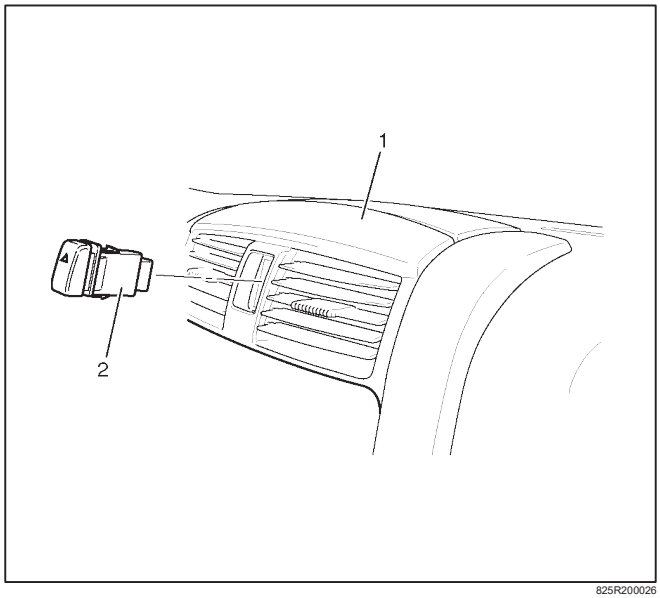
Removal and Installation

Refer to *Lock Cylinder in Steering* section.

Hazard Warning Light Switch

Removal

1. Disconnect the battery ground cable.
2. Remove the center cluster assembly (1).
   - Refer to *Instrument Panel Assembly in Body Structure* section.
3. Remove the hazard warning switch (2).
   - Disconnect the switch connector.
   - To remove the switch, push the lock from the back side of the center cluster assembly.



825R200026

Installation

To install, follow the removal steps in the reverse order.

Stoplight Switch

Removal and Installation

Refer to *Stoplight Switch in Brake* section.

Turn Signal Light Switch (Combination Switch)

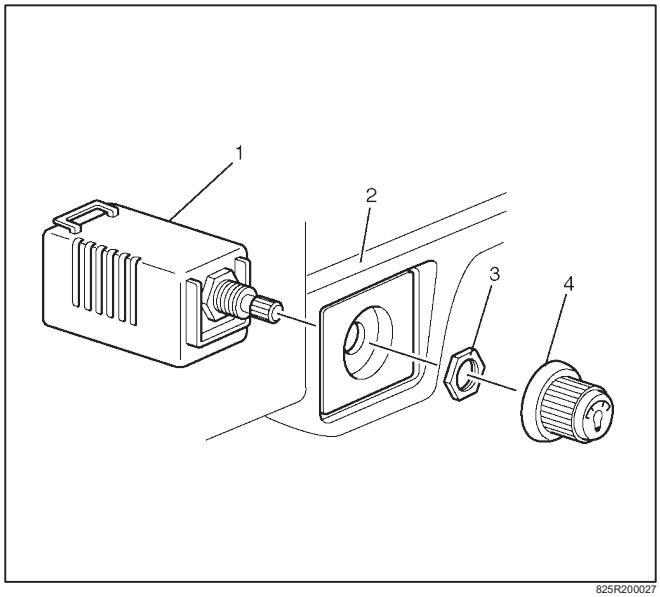
Removal and Installation

Refer to *Combination Switch in Steering* section.

Illumination Controller

Removal

1. Disconnect the battery ground cable.
2. Remove the meter cluster panel cover assembly (2).
   - Refer to *Instrument Panel Assembly in Body Structure* section.
3. Remove the illumination controller (1).
   - Disconnect the controller connector.
   - Remove the controller knob (4).
   - Remove the nut (3).
   - Remove the controller from the back side of the meter cluster panel assembly.



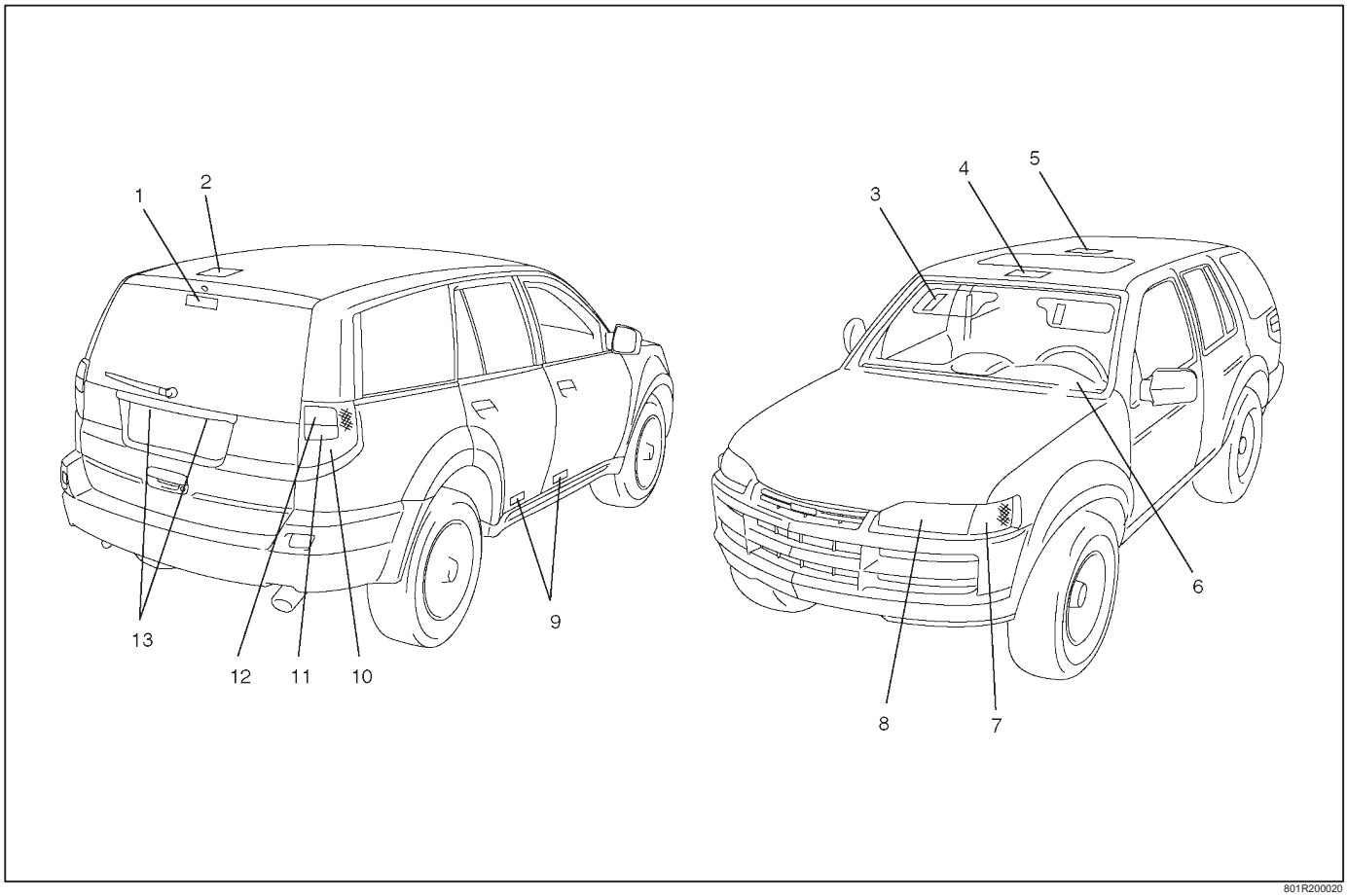
825R200027

Installation

To install, follow the removal steps in the reverse order.

Main Data and Specifications

Light and Bulb Specifications



801R200020

Legend
(1) High Mounted Stoplight
(2) Luggage Room Light
(3) Vanity Mirror Illumination Light
(4) Map Light
(5) Dome Light
(6) Meter
(7) Front Turn Signal Light/Front Side Marker Light/Parking Light
(8) Headlight
(9) Courtesy Light
(10) Taillight/Stoplight
(11) Backup Light
(12) Rear Turn Signal Light
(13) License Plate Light

Light Name		Bulb No.	Rated Power	Number of Bulbs	Lens Color	Remarks
Headlight		9005/9006	60w/51w	2	White	Halogen
Front Turn signal Light/ Front Side Marker Light/Parking Light		1157NA	27w/8w	2	Amber	
Rear Turn Signal Light		7440	21w	2	Amber	
Backup Light		921	18w	2	White	
Taillight/Stoplight		7443	21w/5w	2	Red	
High Mounted Stoplight		921	18w	2	Red	
License Plate Light (Tailgate type)		168	5w	2	White	
Map Light		—	8w	2	White	
Dome Light		—	10w	1	White	
Luggage Room Light		—	5w	1	White	
Courtesy Light		—	3.4w	4	White	
Indicator/Warning Light	Check Trans	—	1.4w	1	Red	Meter
	A/T Oil Temp	—	1.4w	1	Red	Meter
	Cruise Set	—	1.4w	1	Green	Meter
	Power Drive	—	1.4w	1	Amber	Meter
	Winter Drive	—	1.4w	1	Green	Meter
	Turn Signal	—	1.4w	2	Green	Meter
	Check TOD	—	1.4w	1	Red	Meter
	High Beam	—	1.4w	1	Blue	Meter
	ABS	—	1.4w	1	Amber	Meter
	Seat Belt	—	2w	1	Red	Meter
	Malfunction Indicator (Check Engine)	—	1.4w	1	Amber	Meter
	Low Fuel	—	1.4w	1	Amber	Meter
	Reduced Power	—	1.4w	1	Amber	Meter
	Sports Mode	—	1.4w	1	Green	Meter
	TOD Front	—	1.1w	1	Green	Meter
	TOD Auto	—	1.1w	1	Green	Meter
	TOD Rear	—	1.1w	1	Green	Meter
	Oil Pressure	—	1.4w	1	Red	Meter
	Brake System	—	1.4w	1	Red	Meter
	Charge	—	1.4w	1	Red	Meter
	A/T Shift Position	—	1.1w	7	P,N,D,3,2,L :Green R: Amber	Meter
	Air Bag	—	2w	1	Red	Meter
Illumination Light	Meter	—	3.4w	4		Meter
	Shift lever	—	1.4w	1	White	Shift lever
	Vanity Mirror	—	2w	2	White	Sun Visor
	Cigarette Lighter	—	1.4w	1	White	Cigarette Lighter
	Ashtray	—	1.4w	1	White	Ashtray

AXIOM

BODY AND ACCESSORIES

WIPER / WASHER SYSTEM

CONTENTS

Service Precaution 8B–1
Windshield Wiper/Washer System 8B–2
General Description 8B–2
Windshield Wiper And Washer Switch 8B–2
Removal and Installation 8B–2
Windshield Wiper Motor 8B–2
Removal 8B–2
Installation 8B–2
Windshield Washer Motor 8B–3
Removal 8B–3
Installation 8B–3
Windshield Washer Spray Pattern 8B–4
Windshield Wiper Linkage 8B–5
Windshield Wiper Linkage and Associated Parts 8B–5
Removal 8B–5
Installation 8B–5
Windshield Wiper Arm/Blade 8B–6
Removal 8B–6
Installation 8B–6
Windshield Wiper Blade Rubber 8B–7
Removal 8B–7
Installation 8B–7
Rear Wiper/Washer System 8B–8
General Description 8B–8
Rear Wiper and Washer Switch 8B–8
Removal 8B–8
Installation 8B–8
Rear Wiper Motor 8B–9
Removal 8B–9
Installation 8B–9
Rear Washer Motor 8B–10
Removal 8B–10
Installation 8B–10
Alarm and Relay Control Unit 8B–11
Removal 8B–11
Installation 8B–11
Rear Wiper Arm/Blade 8B–11
Removal 8B–11
Installation 8B–11
Rear Washer Nozzle 8B–12
Removal 8B–12
Installation 8B–12
Rear Washer Spray Pattern 8B–12
Rear Wiper Blade Rubber 8B–13
Removal 8B–13
Installation 8B–13
Main Data and Specifications 8B–14

Service Precaution

WARNING: THIS VEHICLE HAS A SUPPLEMENTAL RESTRAINT SYSTEM (SRS). REFER TO THE SRS COMPONENT AND WIRING LOCATION VIEW IN ORDER TO DETERMINE WHETHER YOU ARE PERFORMING SERVICE ON OR NEAR THE SRS COMPONENTS OR THE SRS WIRING. WHEN YOU ARE PERFORMING SERVICE ON OR NEAR THE SRS COMPONENTS OR THE SRS WIRING, REFER TO THE SRS SERVICE INFORMATION. FAILURE TO FOLLOW WARNINGS COULD RESULT IN POSSIBLE AIR BAG DEPLOYMENT, PERSONAL INJURY, OR OTHERWISE UNNEEDED SRS SYSTEM REPAIRS.

CAUTION: Always use the correct fastener in the proper location. When you replace a fastener, use ONLY the exact part number for that application. ISUZU will call out those fasteners that require a replacement after removal. ISUZU will also call out the fasteners that require thread lockers or thread sealant. UNLESS OTHERWISE SPECIFIED, do not use supplemental coatings (Paints, greases, or other corrosion inhibitors) on threaded fasteners or fastener joint interfaces. Generally, such coatings adversely affect the fastener torque and the joint clamping force, and may damage the fastener. When you install fasteners, use the correct tightening sequence and specifications. Following these instructions can help you avoid damage to parts and systems.

Windshield Wiper/Washer System

General Description

The circuit consists of the starter switch, windshield wiper & washer switch, windshield wiper motor, windshield washer motor and alarm & relay control unit.
When the windshield wiper & washer switch is turned on with the starter switch on, the battery voltage is applied to the wiper motor to activate the wiper.
The washer motor squirts glass cleaning fluid while the washer switch is being pushed. The alarm & relay control unit relay is used to control motion of the wiper.

Windshield Wiper And Washer Switch

Removal and Installation

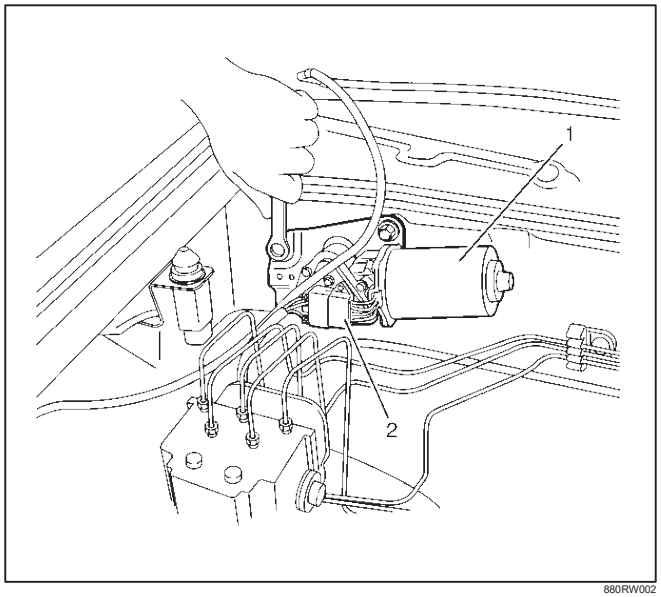
Refer to *Combination Switch in Steering* section.

Windshield Wiper Motor

Removal

1. Disconnect the battery ground cable.
2. Disconnect the connector(2).
3. Remove 4 mounting bolts.
4. Remove the nut of the wiper motor shaft, and disconnect the linkage.
5. Remove the windshield wiper motor(1).

CAUTION: To facilitate the removal of the nuts, be sure to put out the tip portion of the linkage sufficiently through the mounting hole of the motor by sliding the linkage slowly.



880RW002

Installation

To install, follow the removal steps in the reverse order, noting the following points:

1. Tighten the wiper motor shaft nut to the specified torque.

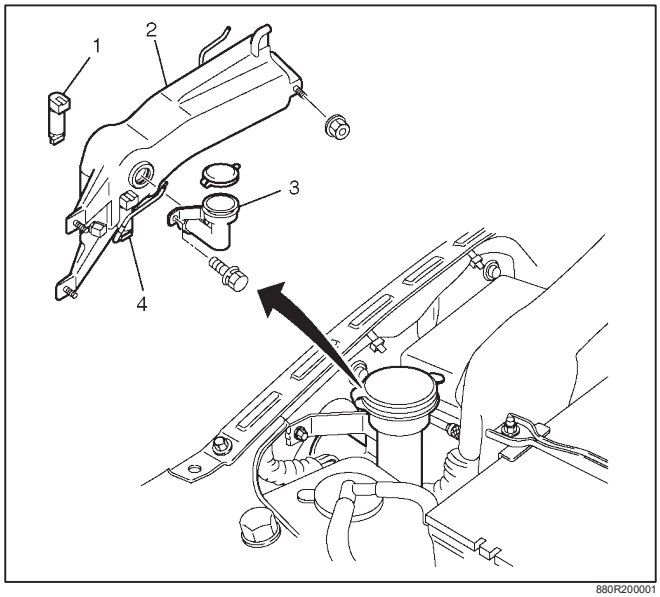
   Torque: 14 N·m (122 lb in)

2. Remove the wiper arms on both sides, and rotate the wiper motor until it gets to the autostop position to secure windshield wiper correct operation.

Windshield Washer Motor

Removal

1. Disconnect the battery ground cable.
2. Remove the fender panel (right side).
   - Refer to *Fender Panel in Body Structure* section.
3. Disconnect the windshield washer motor connector and the rear washer motor connector.
4. Disconnect the windshield washer hose connector and the rear washer hose connector.
5. Remove the filler neck (3).
   - Remove the bolt.
6. Remove the washer tank (2).
   - Remove the three nuts.
7. Remove the windshield washer motor (4).
   - Pull out the motor from the washer tank.

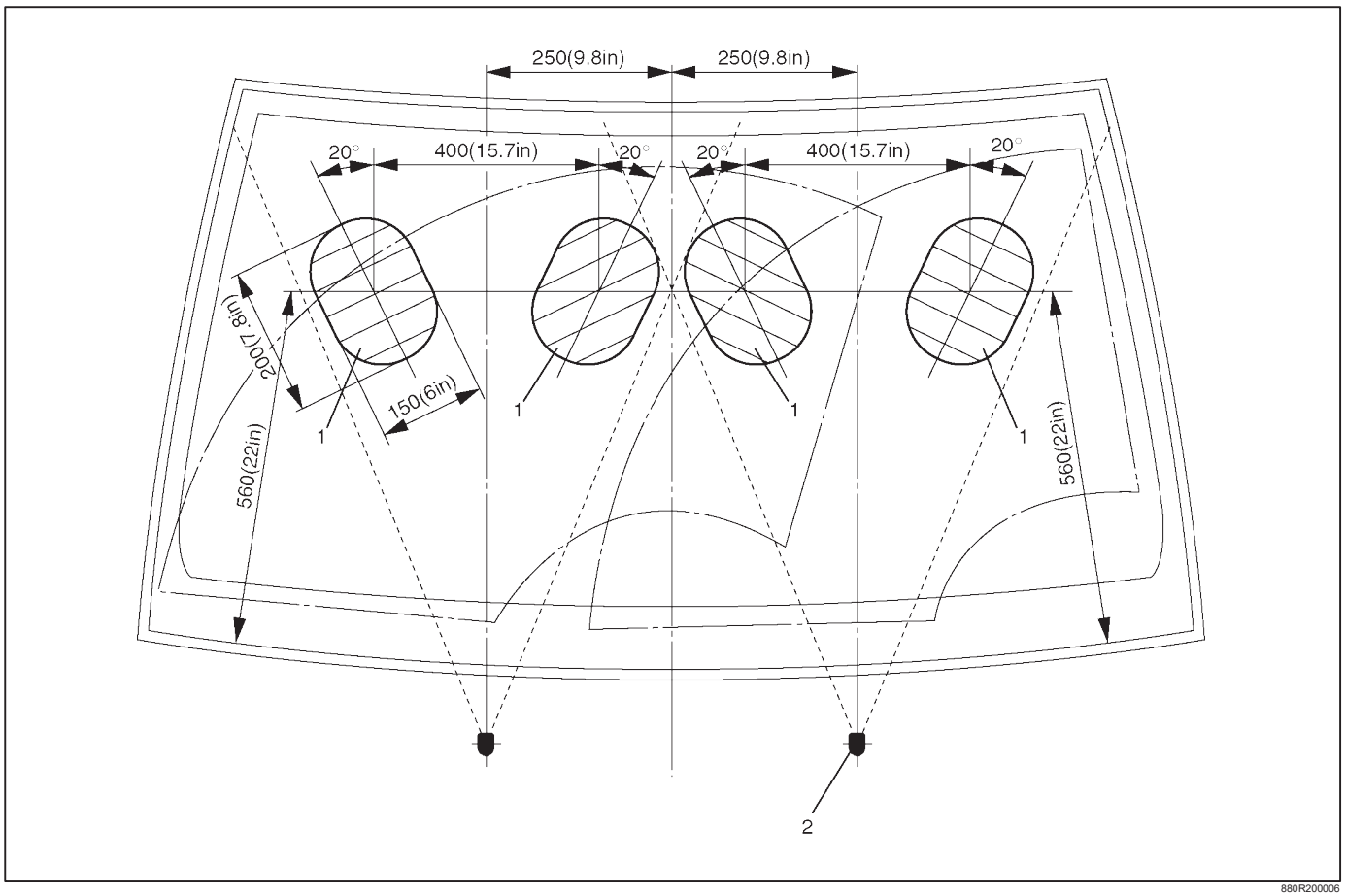


880R200001

Installation

To install, follow the removal steps in the reverse order.

Windshield Washer Spray Pattern

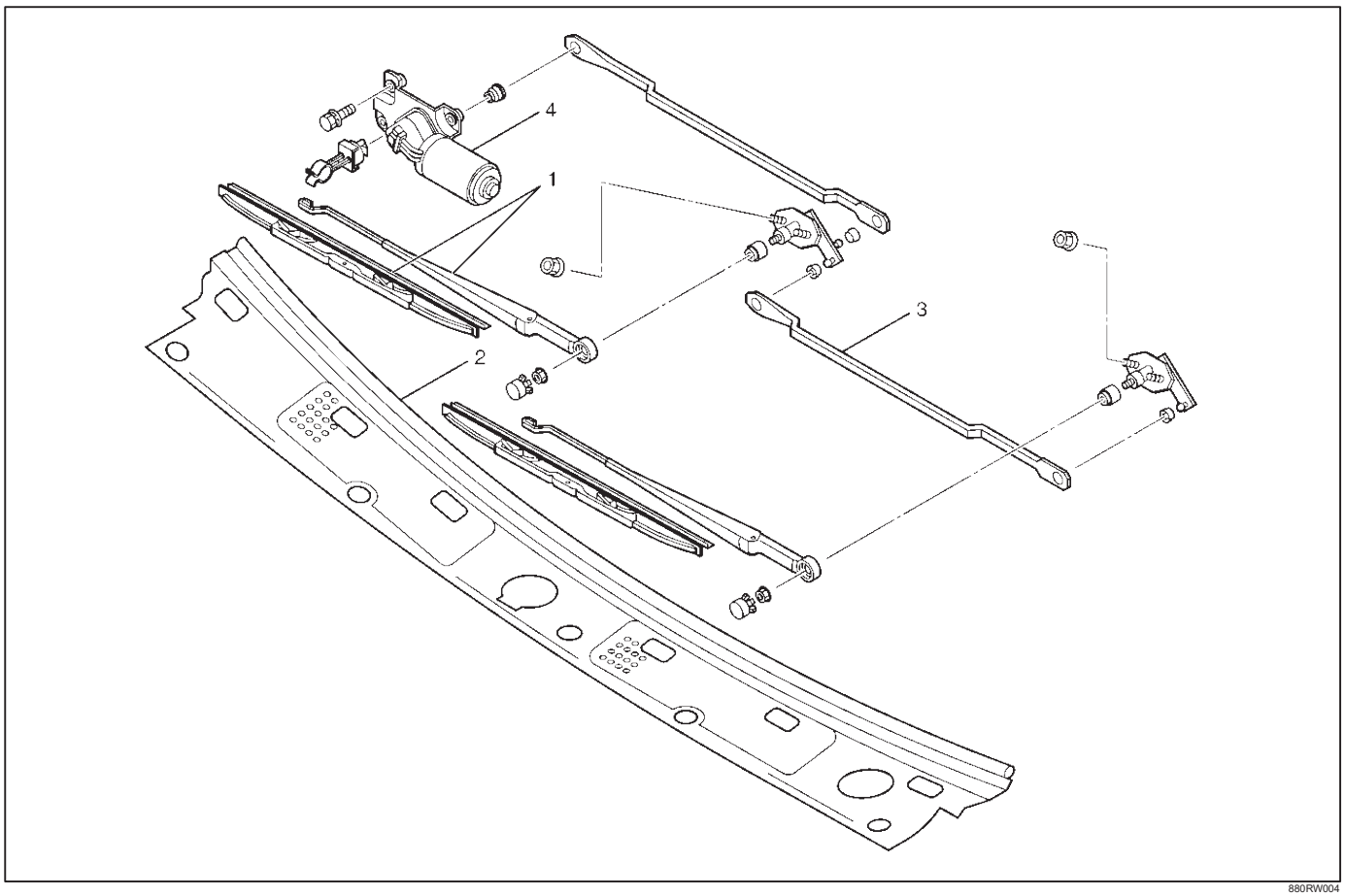


Legend

(1) Spray Target
(2) Washer Nozzle

Windshield Wiper Linkage

Windshield Wiper Linkage and Associated Parts



880RW004

Legend

(1) Windshield Wiper Arm/Blade
(2) Vent Cowl Cover
(3) Windshield Wiper Linkage Assembly
(4) Windshield Wiper Motor

Removal

1. Disconnect the battery ground cable.
2. Remove the windshield wiper arm/blade.
3. Remove the vent cowl cover.
4. Remove the windshield wiper motor.
5. Remove the pivot assembly mounting nuts.
6. Take out the windshield wiper linkage assembly from the opening of the cowl.

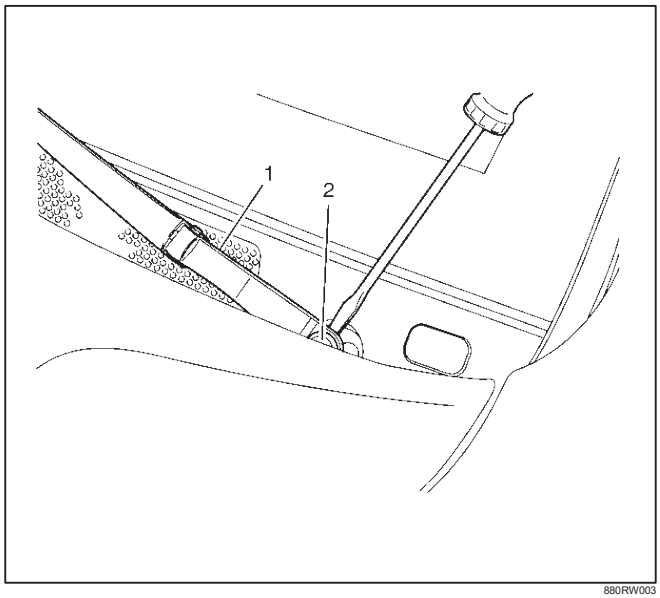
Installation

To install, follow the removal steps in the reverse order.

Windshield Wiper Arm/Blade

Removal

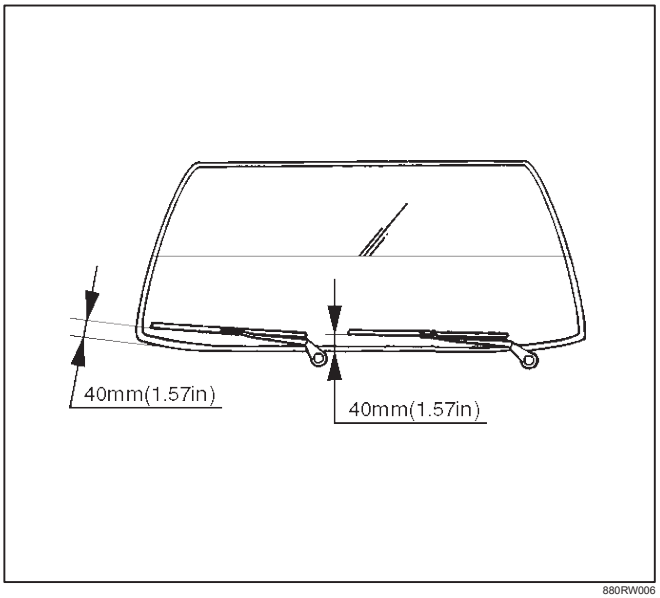
1. Pry the cap(2) off with the tip of a screwdriver.
2. Remove the nut.
3. Remove the wiper arm/blade(1).



880RW003

Installation

To install, follow the removal steps in the reverse order, noting the following points:



880RW006

1. Before installing the wiper arm/blade to the shaft, confirm that the motor stops at the autostop position.
2. Set the wiper arm/blade so that the tips of both blades are positioned about 40 mm (1.57 in) from the upper edge of the cowl cover as shown in the figure.
3. Tighten the nuts to the specified torque.

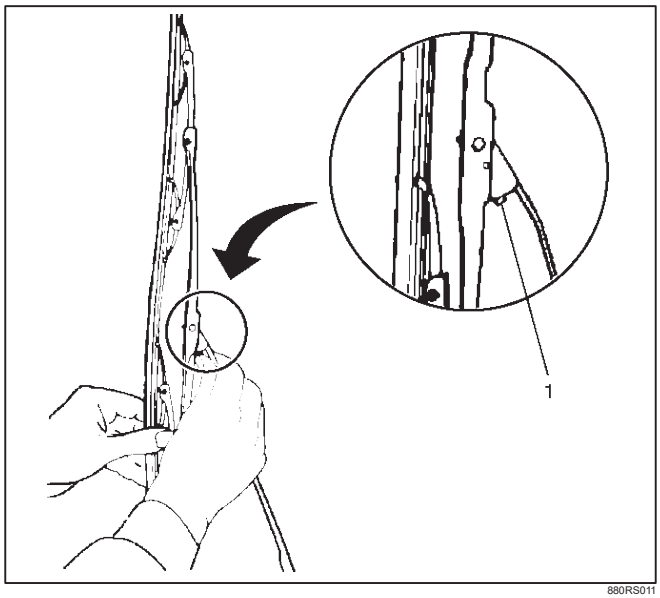
   Torque: 23 N·m (17 lb ft)

Windshield Wiper Blade Rubber

Removal

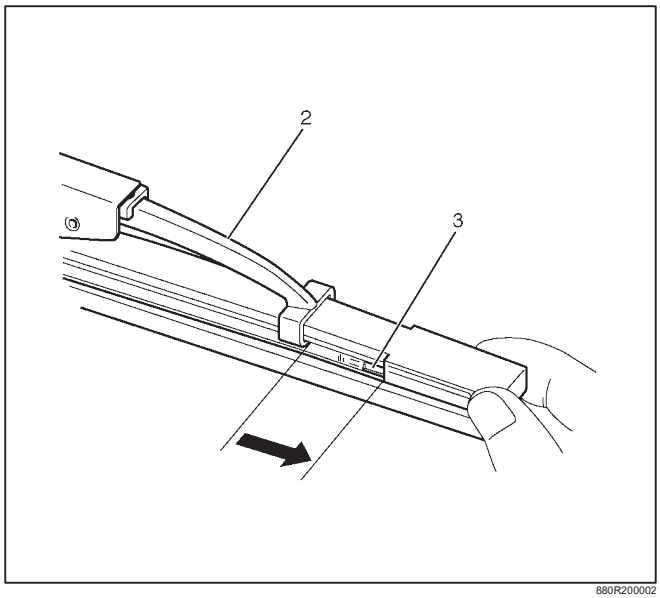
1. Push the wiper blade lock(1) while pulling the wiper blade in the arrow direction as shown in the figure.

CAUTION: When the wiper blade has been removed, wrap the tip of the wiper arm with cloth, to avoid damaging the glass.



880RS011

2. Pull the end of rubber and remove the concavity (3) from the click of the blade stay (2).



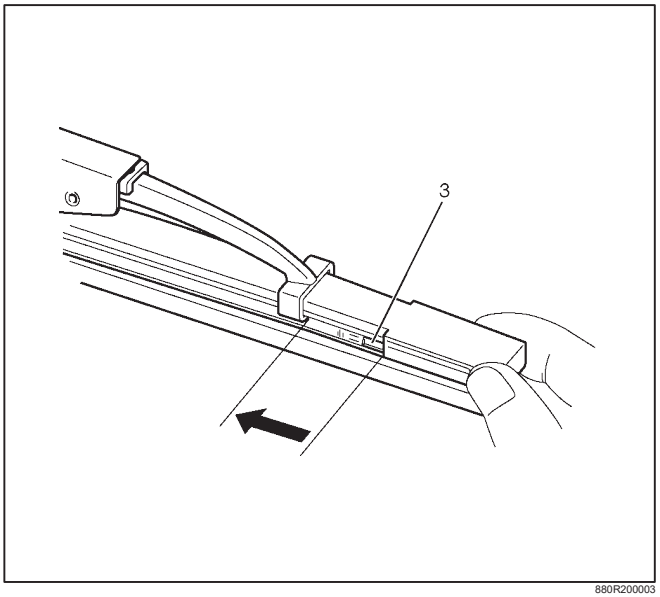
880R200002

3. Pull the rubber out in the same direction.

Installation

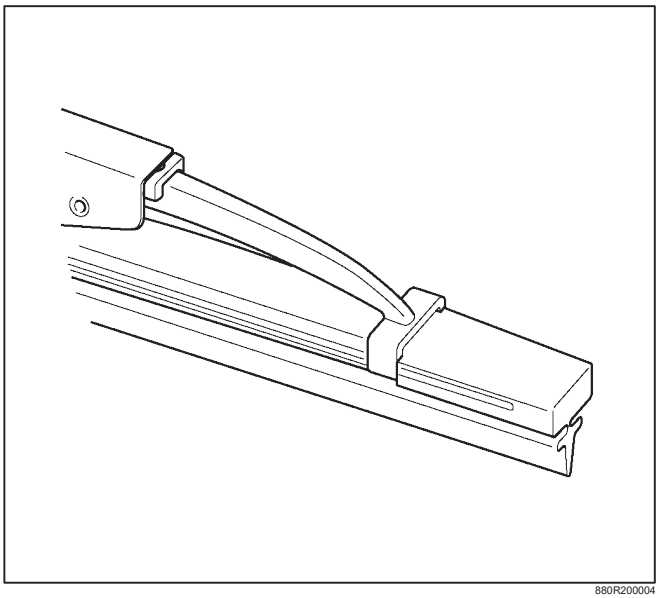
To install, follow the removal steps in the reverse order, noting the following points:

1. Install the click of the blade stay in the groove of the new rubber and slide it in. Complete wiper blade installation by pushing the click in the concavity (3).



880R200003

2. Finally, check that the click of the stay has caught in the hole of the rubber.


880R200004

Rear Wiper/Washer System

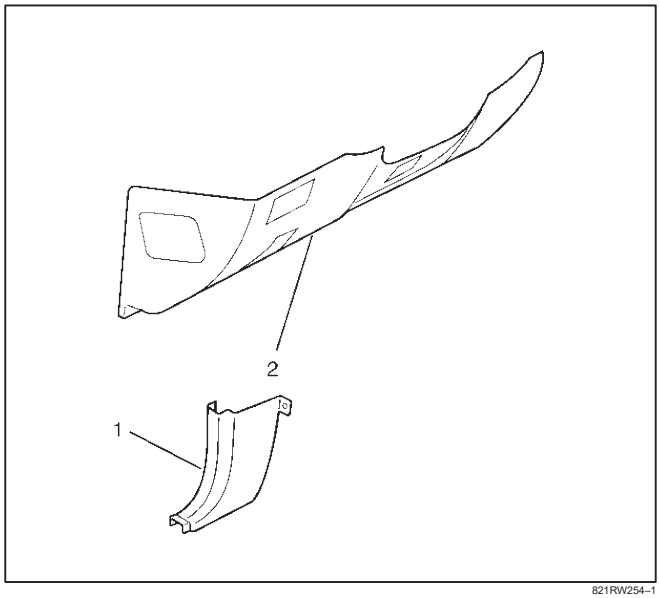
General Description

The circuit consists of the starter switch, rear wiper & washer switch, rear wiper motor, rear washer motor and Alarm & relay control unit.
When the rear wiper & washer switch is turned on with the starter switch on, the battery voltage is applied to the wiper motor to activate the wiper.
The washer motor squirts glass cleaning fluid while the washer switch is being pushed. The alarm & relay control unit is used to control motion of the wiper.

Rear Wiper and Washer Switch

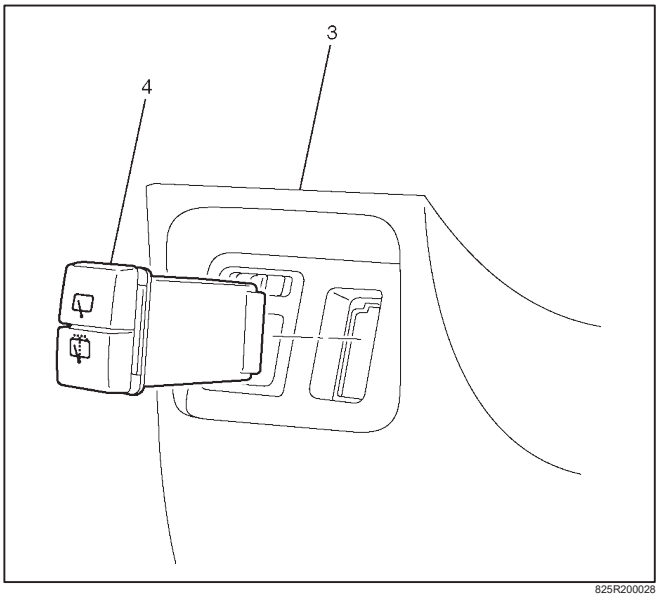
Removal

1. Disconnect the battery ground cable.
2. Remove the dash side trim panel(1).
3. Remove the lower cover assembly(2).



821RW254–1

4. Remove the rear wiper & washer switch (4).
   - Disconnect the connector.
   - Push the lock from the back side of the lower cover assembly (3).



825R200028

Installation

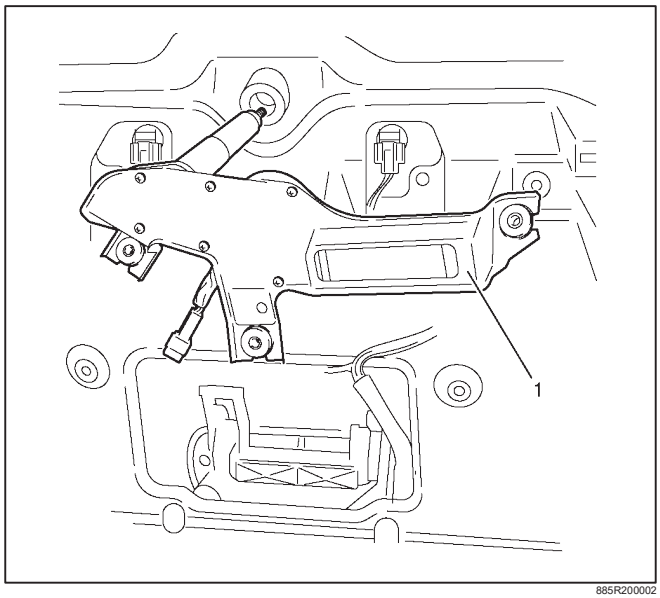
To install, follow the removal steps in the reverse order, noting the following point:

1. Push the switch with your fingers until it locks securely.

Rear Wiper Motor

Removal

1. Disconnect the battery ground cable.
2. Remove the tailgate trim pad.
   - Refer to *Tailgate Trim Pad in Body Structure* section.
3. Remove the wiper arm/blade.
   Refer to *Rear Wiper Arm/Blade* in this section.
4. Remove the rear wiper motor (1).
   - Disconnect the connector.
   - Remove the rear wiper motor fixing screws.

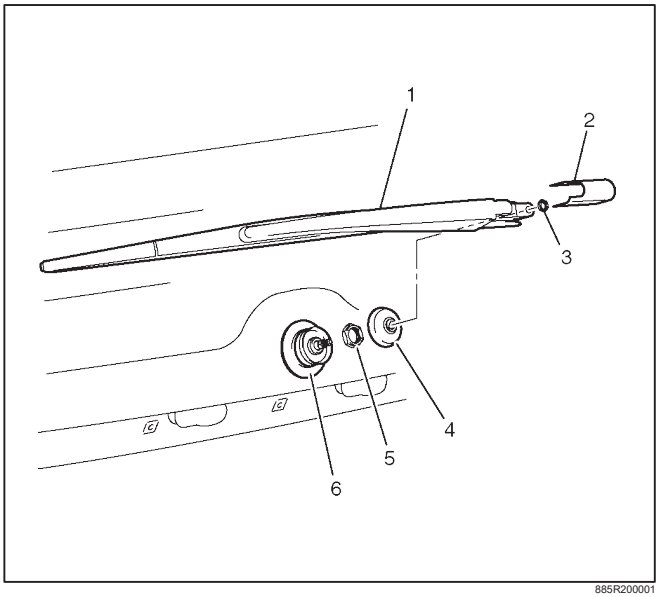


885R200002

Installation

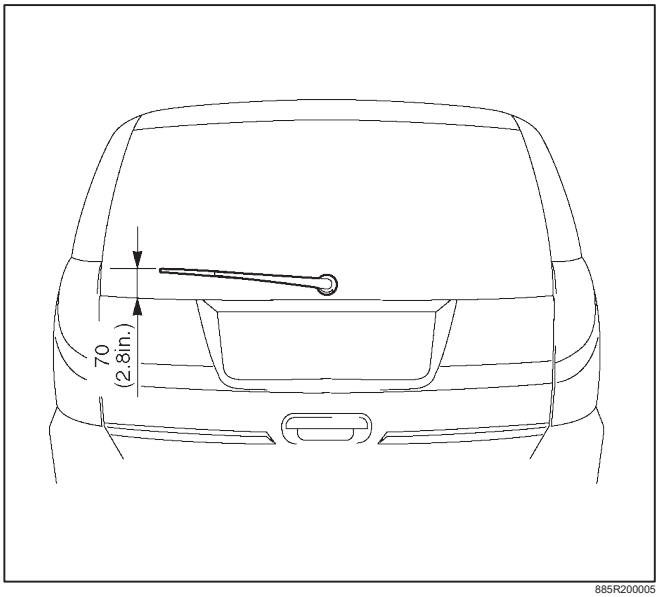
To install, follow the removal steps in the reverse order, noting the following points:

1. Before installing the wiper arm/blade (1) to the motor shaft (6), confirm that the motor stops at the autostop position.
2. Tighten the motor shaft nut (5) to the specified torque.
   Torque: 10 N·m (87 lb in)
3. Tighten the wiper arm nut (3) to the specified torque.
   Torque: 9 N·m (78 lb in)



885R200001

4. Install the wiper arm/blade so that the wiper arm contact as shown in the figure.

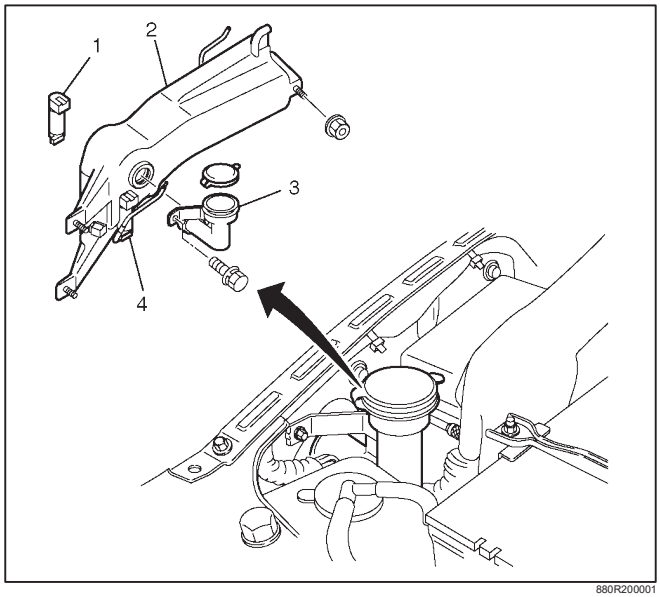


885R200005

Rear Washer Motor

Removal

1. Disconnect the battery ground cable.
2. Remove the fender panel (right side).
   - Refer to *Fender Panel in Body Structure* section.
3. Disconnect the windshield washer motor connector and the rear washer motor connector.
4. Disconnect the windshield washer hose connector and the rear washer hose connector.
5. Remove the filler neck (3).
   - Remove the bolt.
6. Remove the washer tank (2).
   - Remove the three nuts.
7. Remove the rear washer motor (1).
   - Pull out the motor from the washer tank.



880R200001

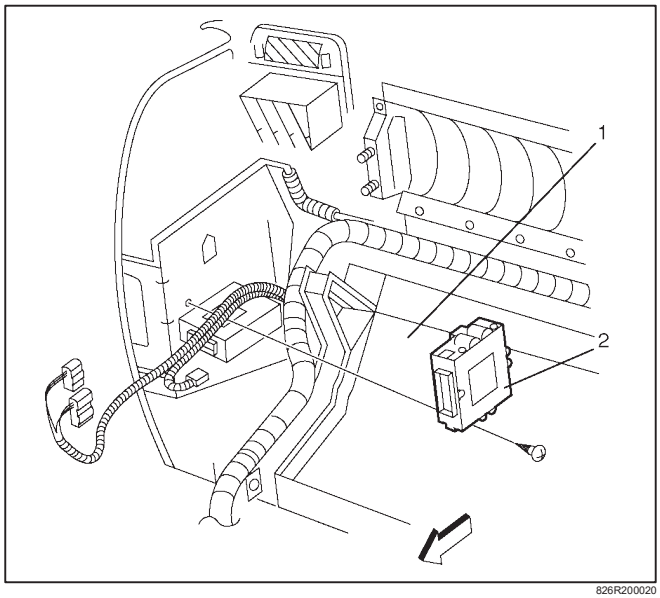
Installation

To install, follow the removal steps in the reverse order.

Alarm and Relay Control Unit

Removal

1. Disconnect the battery ground cable.
2. Remove the grove box (1).
3. Remove the alarm and relay control unit (2). Disconnect the connector.



826R200020

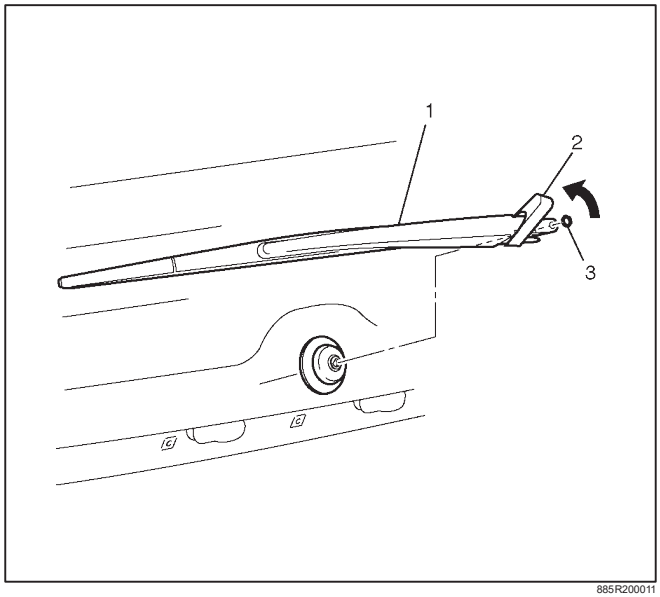
Installation

To install, follow the removal steps in the reverse order.

Rear Wiper Arm/Blade

Removal

1. Open the cap (2).
2. Remove the arm nut (3).
3. Remove the wiper arm/blade (1).



885R200011

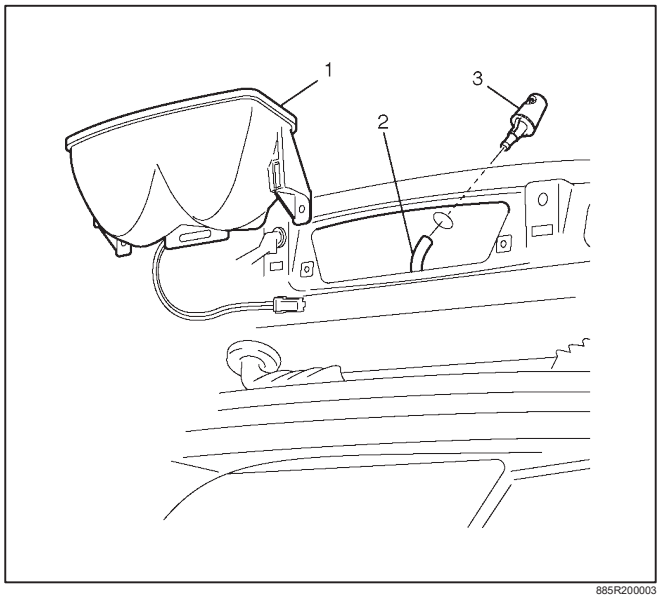
Installation

Refer to *Rear Wiper Motor* in this section.

Rear Washer Nozzle

Removal

1. Disconnect the battery ground cable.
2. Remove the high mounted stoplight (1).
   - Refer to *High Mounted Stoplight in Lighting System* section.
3. Remove the washer nozzle(3).
   - Pull out the washer nozzle from the washer hose (2).

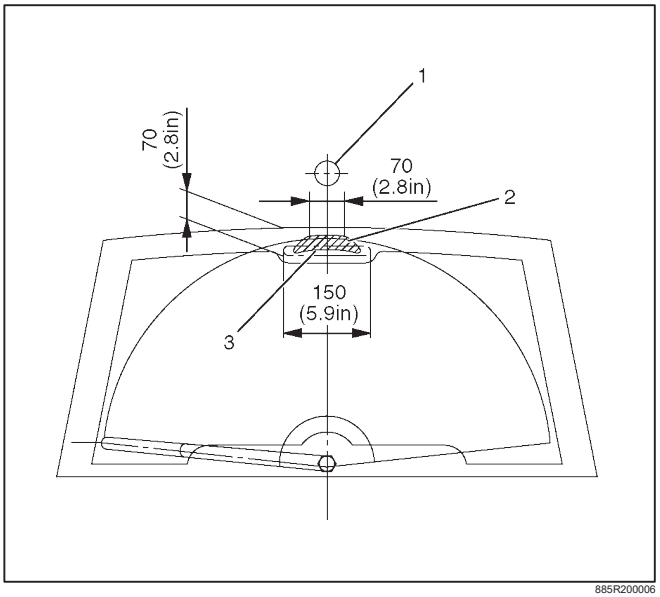


885R200003

Installation

To install, follow the removal steps in the reverse order.

Rear Washer Spray Pattern



885R200006

Legend

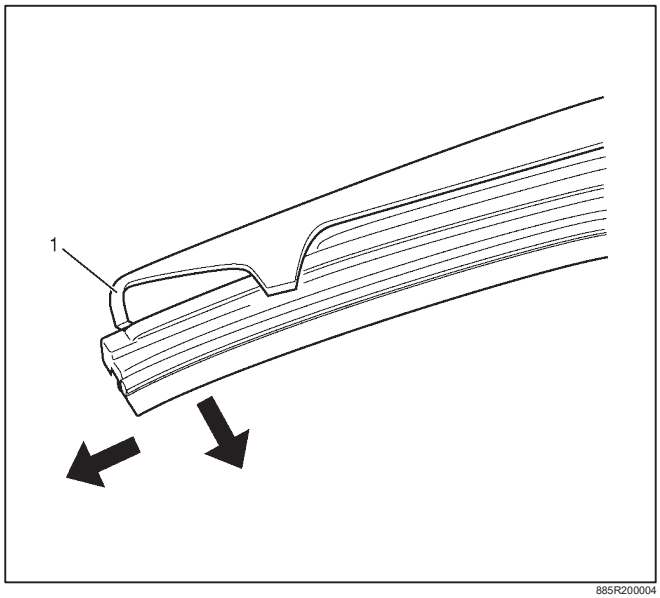
(1) Washer Nozzle
(2) Spray Target
(3) High Mounted Stoplight

Rear Wiper Blade Rubber

Removal

1. Remove the wiper blade from the wiper arm.
2. Press and hold the wiper rubber under the wiper blade hook (1).
3. Pull the wiper rubber out from wiper blade.

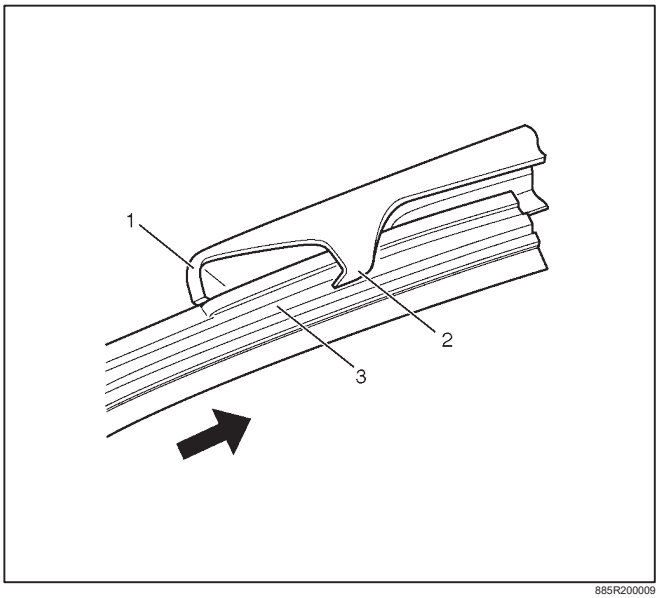
CAUTION: When the wiper blade has been removed, wrap the tip of the wiper arm with cloth, to avoid damaging the glass.



885R200004

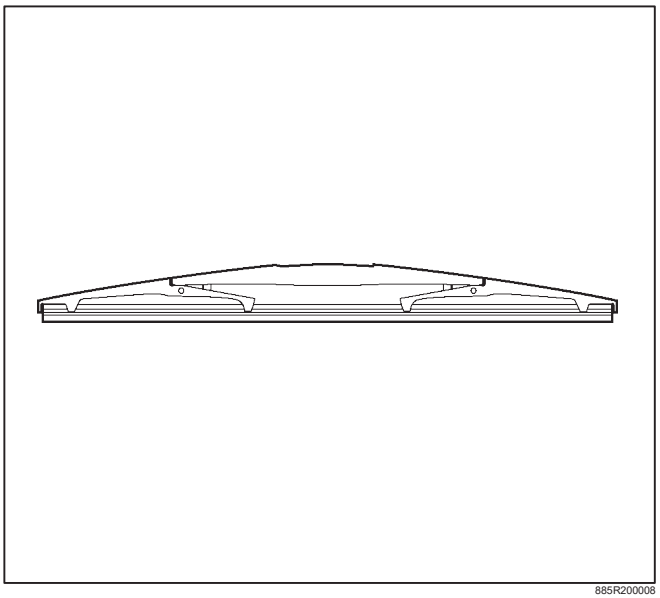
Installation

1. Install the wiper blade rubber.
   - Matching the grove of the wiper rubber (3) and the guide (2) of the wiper blade (1), insert the wiper rubber to the wiper blade.



885R200009

   - Check that the wiper rubber is set between the right hook and left hook of the wiper blade.



885R200008

Main Data and Specifications

Torque Specifications

Application	N·m	Lb Ft	Lb In
Windshield Wiper Motor Shaft Nut	14	—	122
Windshield Wiper Arm Nuts	23	17	—
Rear Wiper Motor Shaft Nut	10	—	87
Rear Wiper Arm Nut	9	—	78

AXIOM

BODY AND ACCESSORIES

ENTERTAINMENT

CONTENTS

Service Precaution 8C–1
Cigarette Lighter 8C–2
General Description 8C–2
Removal 8C–2
Installation 8C–2
Rod Type Antenna 8C–3
Removal 8C–3
Installation 8C–3
Accessory Socket 8C–4
Front Accessory Socket 8C–4
Removal 8C–4
Installation 8C–4
Rear Accessory Socket 8C–4
Removal 8C–4
Installation 8C–4
Audio 8C–5
Removal 8C–5
Installation 8C–5
Speaker 8C–6
Front Speaker 8C–6
Removal 8C–6
Installation 8C–6
Front Tweeter Assembly 8C–6
Removal 8C–6
Installation 8C–6
Rear Door Speaker 8C–6
Removal 8C–6
Installation 8C–7
Rear Tweeter Assembly 8C–7
Removal 8C–7
Installation 8C–7
Horn 8C–8
Removal 8C–8
Installation 8C–8
Display (MID) 8C–8
Removal 8C–8
Installation 8C–8
MID Control Unit 8C–9
Removal 8C–9
Installation 8C–9
GPS Control Unit 8C–10
Removal 8C–10
Installation 8C–10
Self-Diagnosis 8C–11
Self-Diagnosis Flow Chart–1 . . . . . 8C–11
Self-Diagnosis Flow Chart–2 (Audio) 8C–12
Self-Diagnosis Flow Chart–3 (Display) . . . 8C–13
Self-Diagnosis Flow Chart–4 (MID) 8C–14
Audio Self-Diagnosis 8C–15
Display Self-Diagnosis 8C–16
MID Self-Diagnosis 8C–17
Symptom Diagnosis 8C–18
MID Not Appears 8C–18
No COMPASS, CLOCK, FUEL CONSUMPTION, or SERVICE Display . . 8C–19
No COMPASS Display 8C–20
No SERVICE Display 8C–20
Other Trouble Symptom 8C–21
MID Circuit 8C–22
Harness Connector Faces 8C–23

Service Precaution

WARNING: THIS VEHICLE HAS A SUPPLEMENTAL RESTRAINT SYSTEM (SRS). REFER TO THE SRS COMPONENT AND WIRING LOCATION VIEW IN ORDER TO DETERMINE WHETHER YOU ARE PERFORMING SERVICE ON OR NEAR THE SRS COMPONENTS OR THE SRS WIRING. WHEN YOU ARE PERFORMING SERVICE ON OR NEAR THE SRS COMPONENTS OR THE SRS WIRING, REFER TO THE SRS SERVICE INFORMATION. FAILURE TO FOLLOW WARNINGS COULD RESULT IN POSSIBLE AIR BAG DEPLOYMENT, PERSONAL INJURY, OR OTHERWISE UNNEEDED SRS SYSTEM REPAIRS.

CAUTION: Always use the correct fastener in the proper location. When you replace a fastener, use ONLY the exact part number for that application. ISUZU will call out those fasteners that require a replacement after removal. ISUZU will also call out the fasteners that require thread lockers or thread sealant. UNLESS OTHERWISE SPECIFIED, do not use supplemental coatings (Paints, greases, or other corrosion inhibitors) on threaded fasteners or fasteners joint interfaces. Generally, such coatings adversely affect the fastener torque and the joint clamping force, and may damage the fasteners. When you install fasteners, use the correct tightening sequence and specifications. Following these instructions can help you avoid damage to parts and systems.

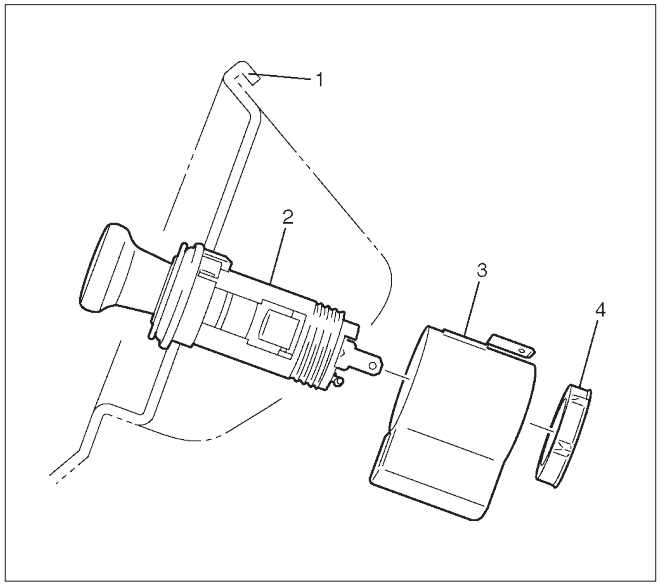
Cigarette Lighter

General Description

When the cigarette lighter is pushed in with the starter switch at either “ACC” or “ON” position, a circuit is formed in the cigarette lighter case to heat the lighter coil.
The cigarette lighter springs back to its original position after the lighter coil is heated.

Removal

1. Disconnect the battery ground cable.
2. Remove the center cluster assembly (1).
   - Refer to *Instrument Panel Assembly in Body Structure section.*
3. Remove the cigarette lighter assembly (2).
   - Disconnect the connectors.
   - Remove the socket (3) and nut (4).



826R200012

Installation

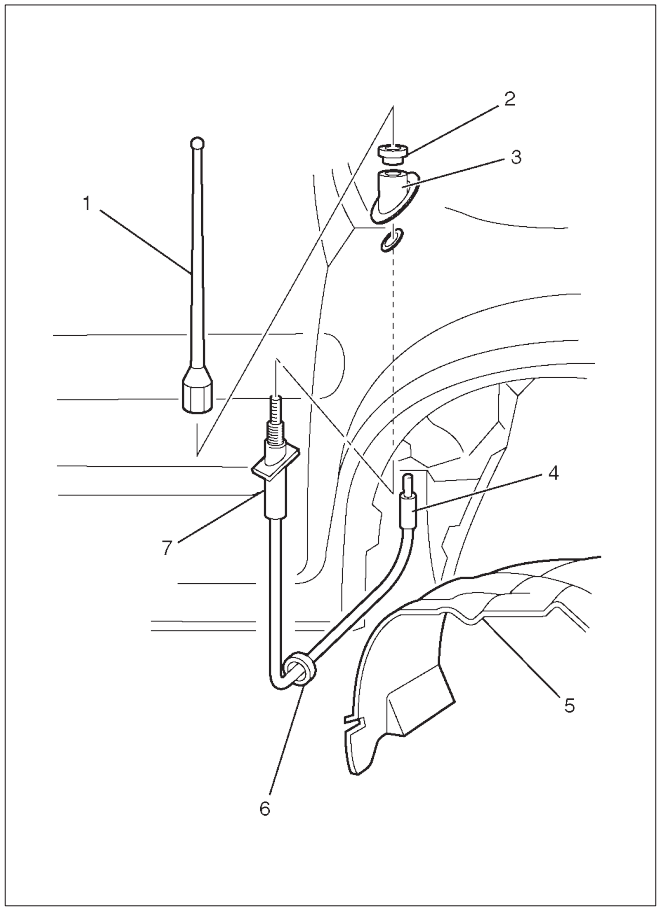
To install, follow the removal steps in the reverse order, noting the following point:

1. When installing the bezel, align the projected portion of the socket with the notch of the bezel.

Rod Type Antenna

Removal

1. Disconnect the battery ground cable.
2. Turn the antenna rod (1) counterclockwise to remove it.
3. Remove three screws and nine clips to remove the fender inner liner (5).
4. Disconnect the feeder cable connector (4) at the inside of the vehicle.
5. Turning the lock nut (2) counterclockwise removes it together with the base mold (3).
6. Pull down and remove the housing (7) from the panel.
7. Pull and remove the cable with the grommet (6).



890R200040

Installation

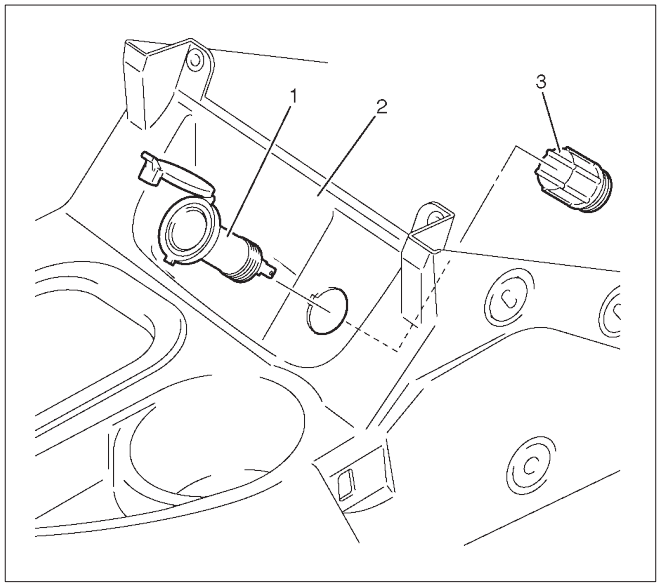
To install, follow the removal steps in the reverse order.

Accessory Socket

Front Accessory Socket

Removal

1. Disconnect the battery ground cable.
2. Remove the front console assembly (2).
   - Refer to *Instrument Panel Assembly in Body Structure section.*
3. Remove the front accessory socket (1).
   - Disconnect the connectors.
   - Remove the holdernut (3).



826R200013

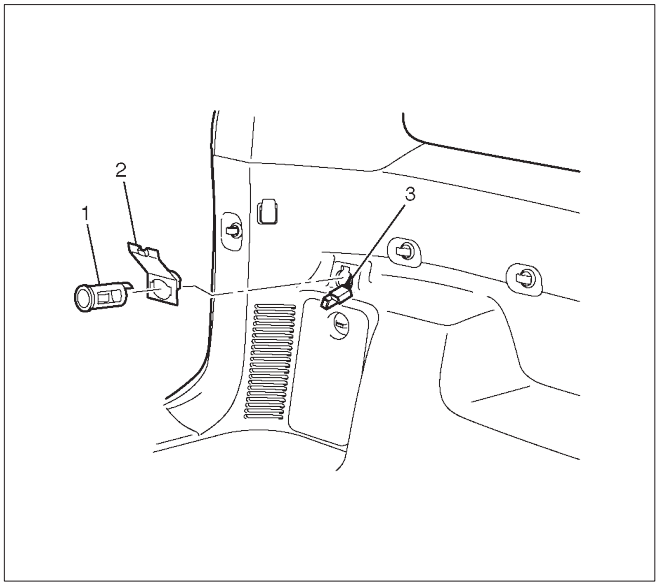
Installation

To install, follow the removal steps in the reverse order.

Rear Accessory Socket

Removal

1. Disconnect the battery ground cable.
2. Remove the quarter trim lower cover.
3. Remove the rear accessory socket (1).
   - Disconnect the connectors (3).
   - Pull out the rear accessory socket from the socket cover (2).



826R200014

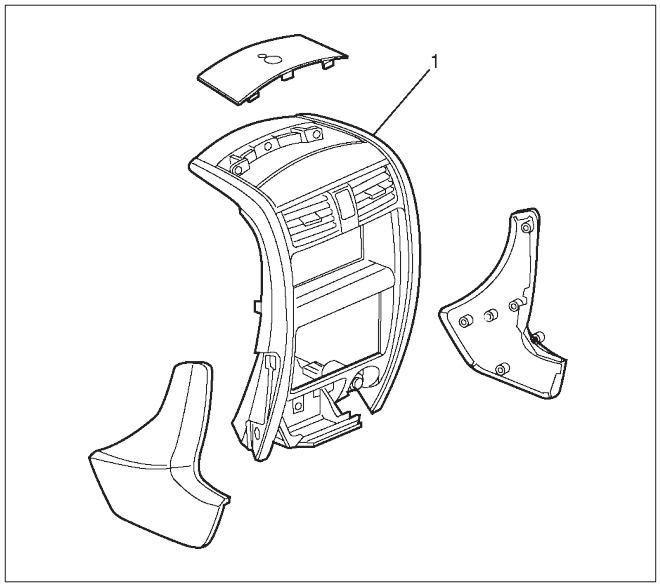
Installation

To install, follow the removal steps in the reverse order.

Audio

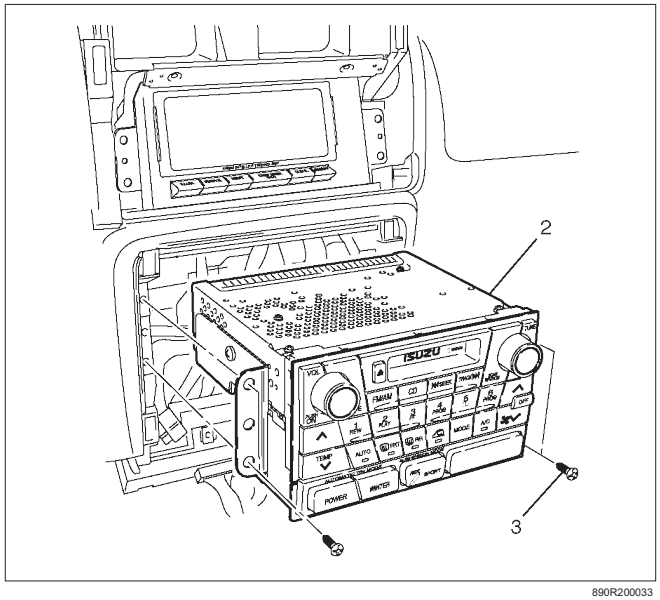
Removal

1. Disconnect the battery ground cable.
2. Remove the center cluster assembly (1).
   - Refer to *Instrument Panel Assembly in Body Structure section.*



890R200032

3. Remove the audio (2).
   - Remove the two fixing screws (3).
   - Disconnect the connector and the antenna cable.



890R200033

Installation

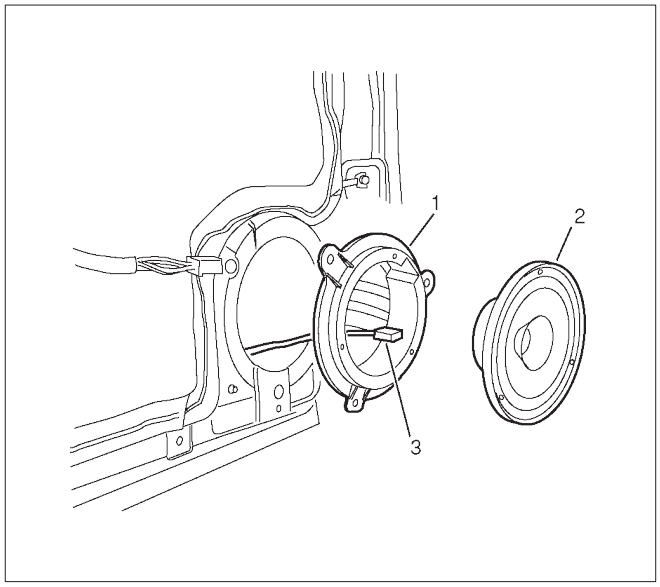
To install, follow the removal steps in the reverse order.

Speaker

Front Speaker

Removal

1. Disconnect the battery ground cable.
2. Remove the front door trim pad.
   - Refer to *Front Door in Body Structure section.*
3. Remove the front speaker (2).
   - Remove the three screws and the speaker spacer (1).
   - Disconnect the connector (3).



890R200028

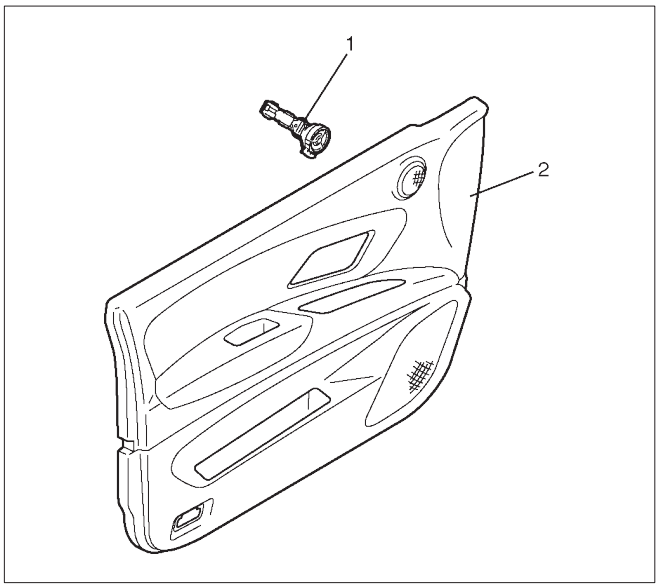
Installation

To install, follow the removal steps in the reverse order.

Front Tweeter Assembly

Removal

1. Disconnect the battery ground cable.
2. Remove the front door trim pad (2).
   - Refer to *Front Door in Body Structure section.*
3. Remove the tweeter (1).
   - Disconnect the connector.



890R200030

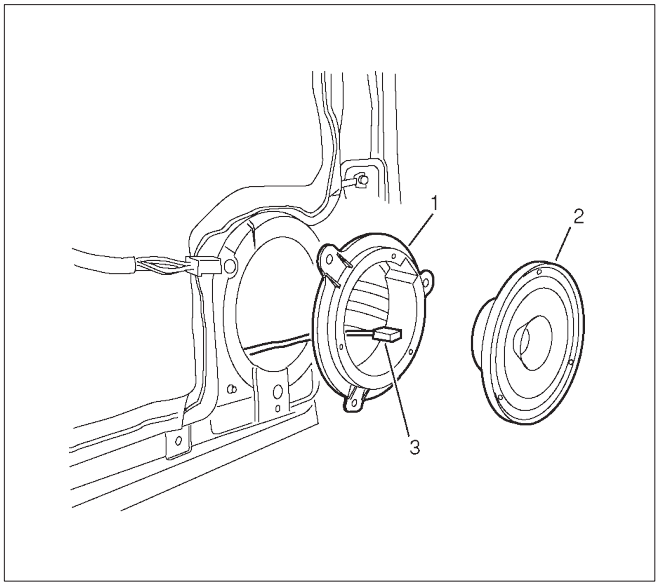
Installation

To install, follow the removal steps in the reverse order.

Rear Door Speaker

Removal

1. Disconnect the battery ground cable.
2. Remove the rear door trim pad.
   - Refer to *Rear Door in Body Structure* section.
3. Remove the rear speaker (2).
   - Remove the three screws and the speaker spacer (1).
   - Disconnect the connector (3).



890R200028

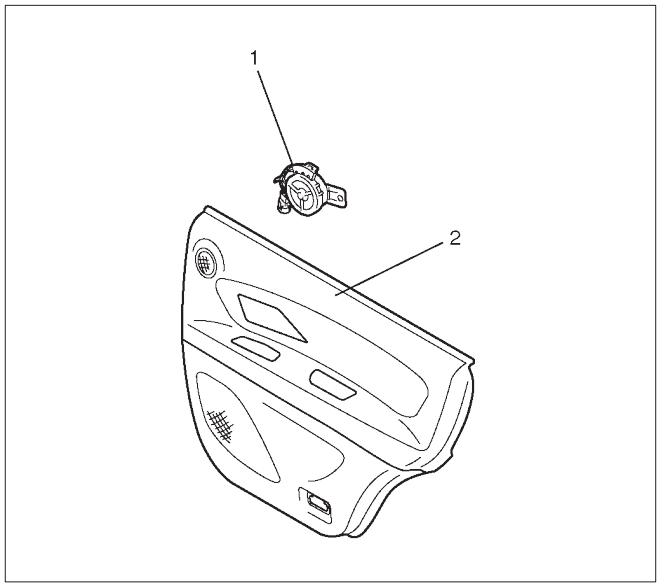
Installation

To install, follow the removal steps in the reverse order.

Rear Tweeter Assembly

Removal

1. Disconnect the battery ground cable.
2. Remove the rear door trim pad (2).
   - Refer to *Rear Door in Body Structure section.*
3. Remove the tweeter (1).
   - Disconnect the connector.



890R200031

Installation

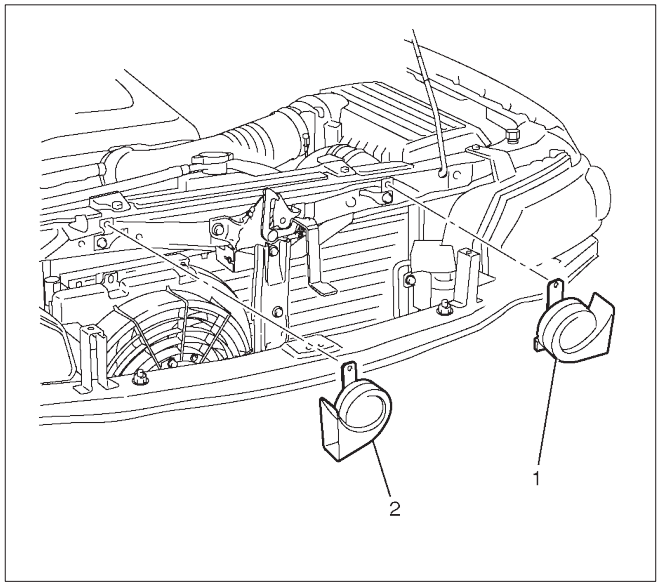
To install, follow the removal steps in the reverse order.

Horn

Removal

1. Disconnect the battery ground cable.
2. Remove the horn.
   - Disconnect the connector.
   - Remove the horn mounting bolt.

NOTE: High (1), Low (2)



828R200003

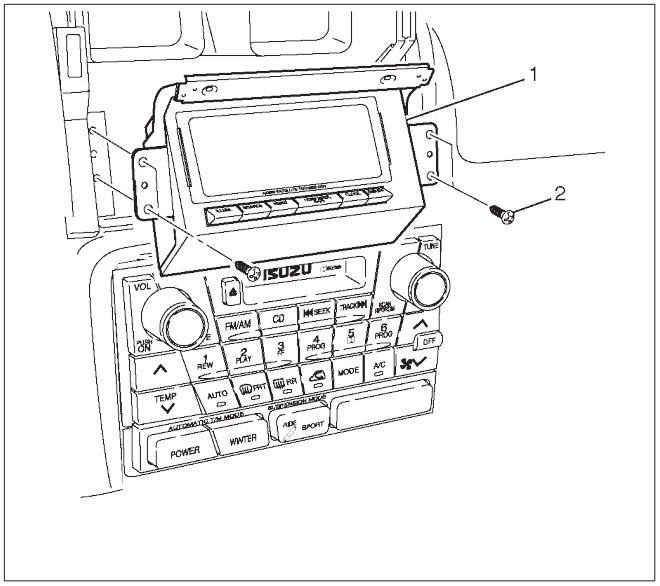
Installation

To install, follow the removal steps in the reverse order.

Display (MID)

Removal

1. Disconnect the battery ground cable.
2. Remove the cluster upper cover.
   - Disconnect the sun sensor connector and the GPS control unit connector.
3. Remove the center cluster.
   - Refer to *Instrument Panel Assembly in Body Structure.*
4. Remove the Display (1).
   - Remove the screws (2).
   - Disconnect the Display connector and MID control unit connector.



890R200036

Installation

To install, follow the removal steps in the reverse order.

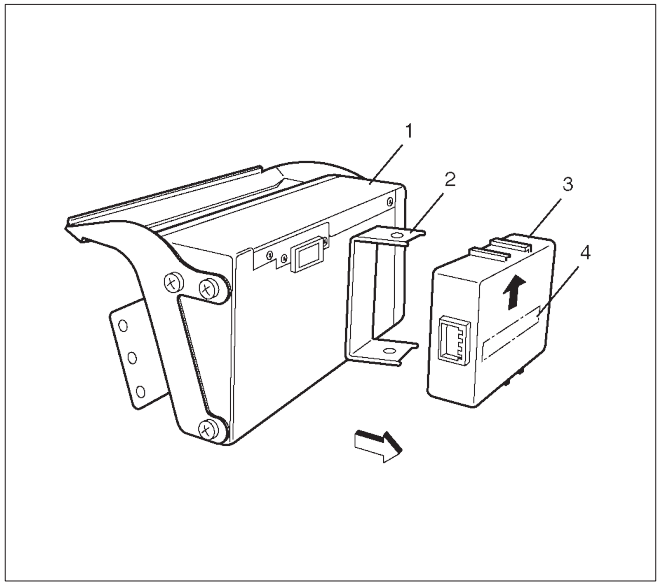
MID Control Unit

Removal

1. Disconnect the battery ground cable.
2. Remove the MID control unit (3).
   - Refer to *MID (1) in this section.*
   - Remove the control unit (3) from the bracket (2).

CAUTION: When the battery is disconnected, the MID control unit directional data is lost (the control unit returns to its start-up condition). When the battery is reconnected, the display will be erroneous until the control unit receives a clear GPS satellite signal and resets its directional data.

After reconnecting the battery, wait until the satellite mark indicator turns on. Select an area where there are no high buildings or other obstacles to electromagnetic waves. Drive the vehicle in a straight line at a speed exceeding 32 km/h (20 mph) for at least 20 seconds.



D08R200055

Installation

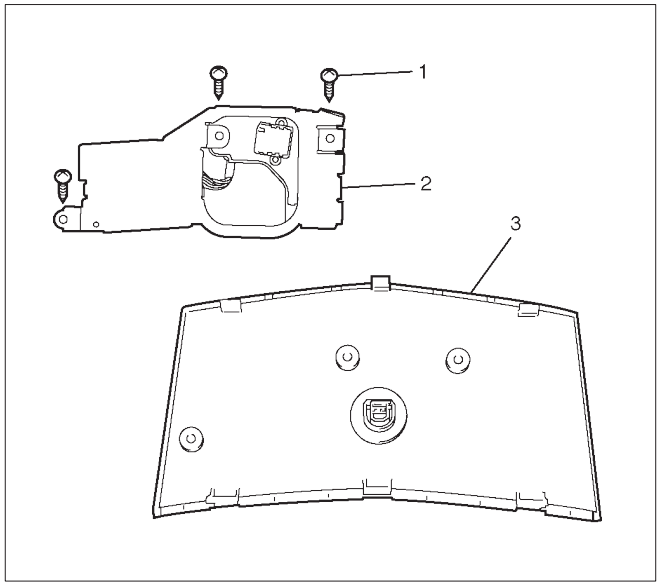
To install, follow the removal steps in the reverse order.

CAUTION: When installing the MID control unit, turn the face with part number (4) stamped on the MID control unit toward the front of vehicle.

GPS Control Unit

Removal

1. Disconnect the battery ground cable.
2. Remove the cluster upper cover (3).
   - Disconnect the sun sensor connector and the GPS control unit connector.
3. Remove the GPS control unit (2).
   - Remove the screws (1).



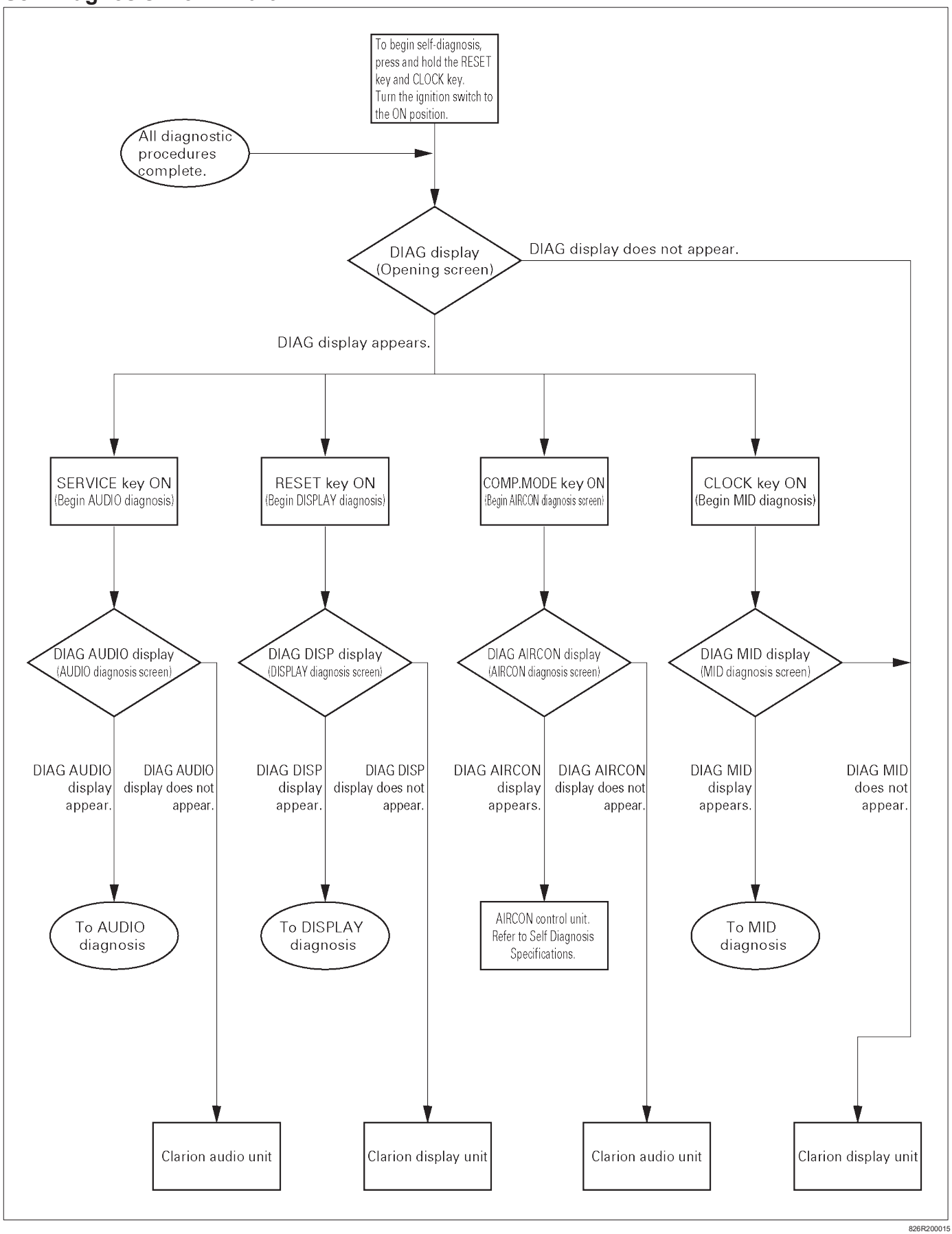
890R200035

Installation

To install, follow the removal steps in the reverse order.

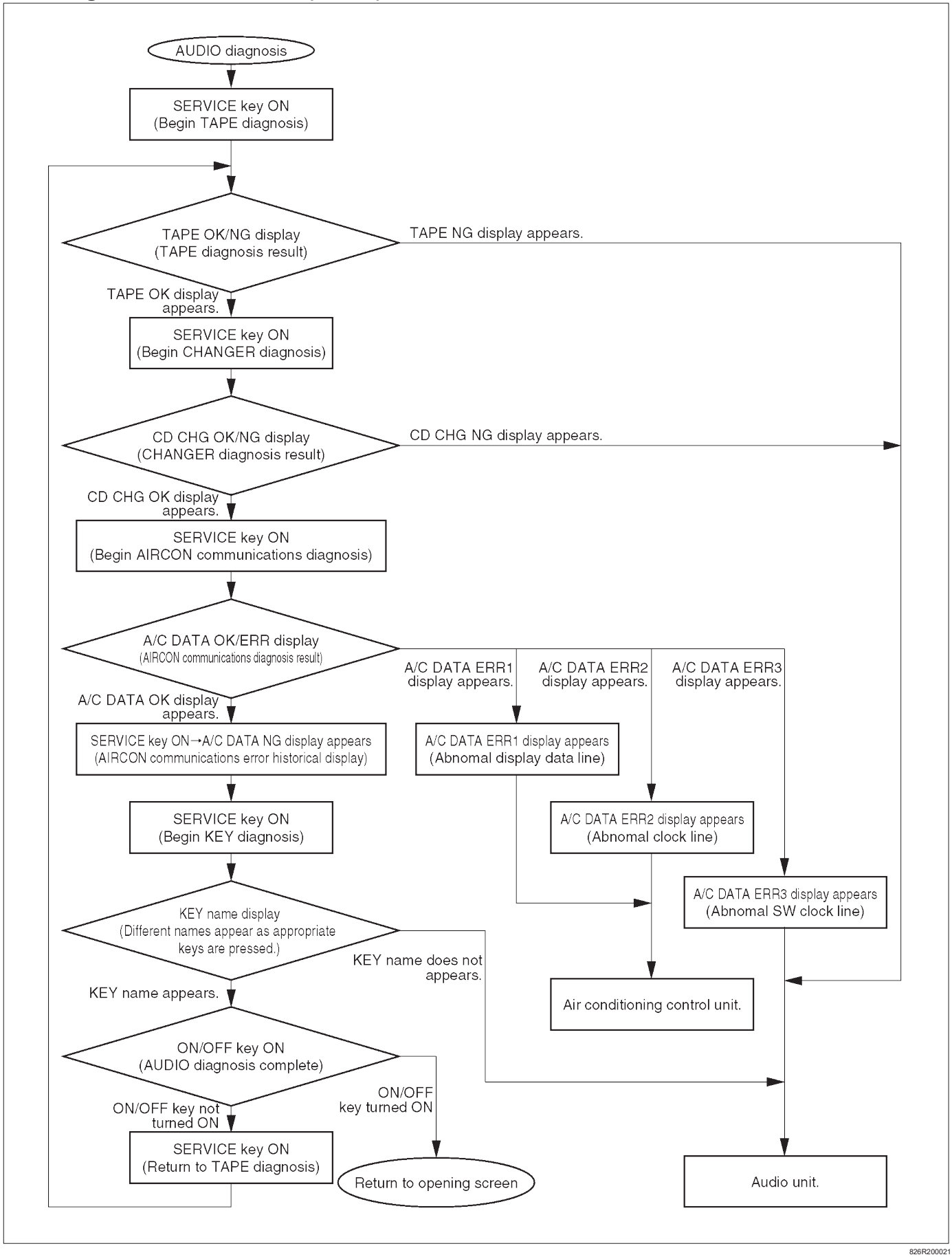
Self-Diagnosis

Self-Diagnosis Flow Chart–1



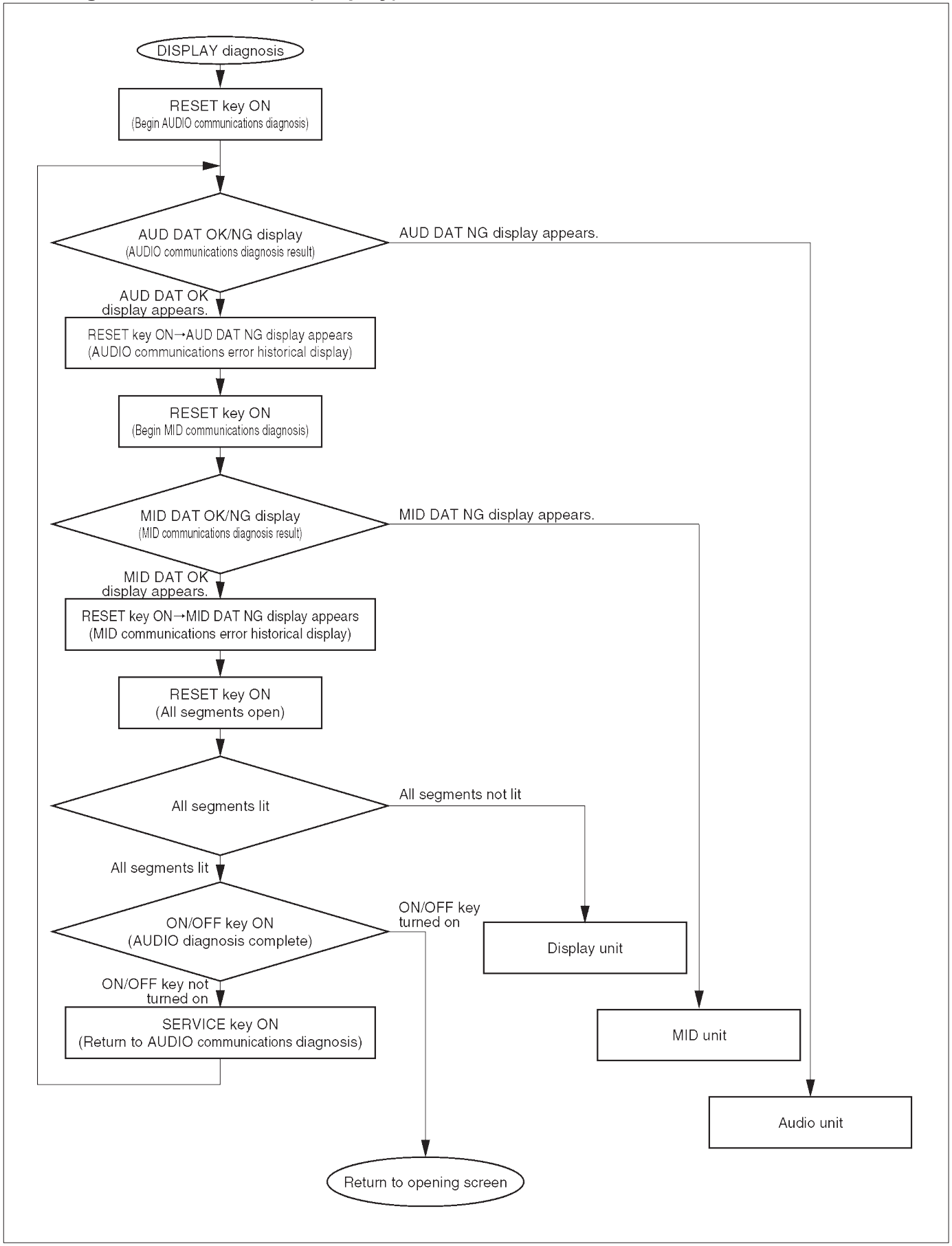
826R200015

Self-Diagnosis Flow Chart–2 (Audio)



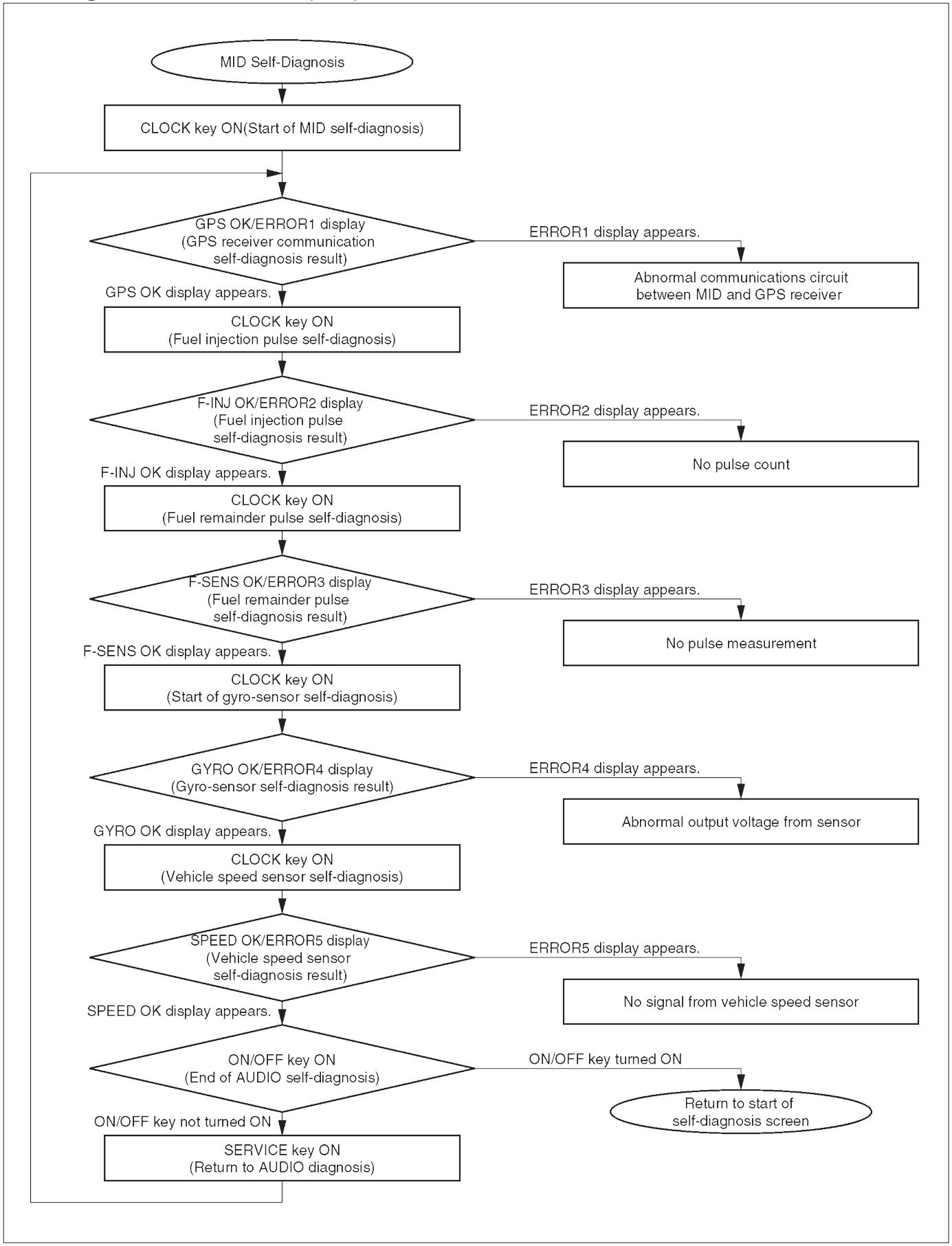
826R200021

Self-Diagnosis Flow Chart–3 (Display)



826R200022

Self-Diagnosis Flow Chart–4 (MID)



826R200023

Audio Self-Diagnosis

Step	Action	Value(s)	Yes	No
1	1. Simultaneously press and hold the RESET key and the CLOCK key (on the display panel). 2. Turn the ignition switch to the ON position. Does DIAG appear on the display screen?	—	Go to *Step 2*	Check power supply and component connections. Start self-diagnosis again.
2	Press and release the SERVICE key (1 time only). Does DIAG AUDIO appear on the display?	—	Go to *Step 3*	Go to Step 11
3	Press and release the SERVICE key (1 time only) to check tape connections. Does TAPE OK appear on the display?	—	Go to *Step 4*	On NG display, Go to *Step 11*
4	Press and release the SERVICE key (1 time only) to check CD changer connections. Does CD CHG OK appear on the display?	—	Go to *Step 5*	On NG display, Go to *Step 11*
5	Press and release the SERVICE key (1 time only) to check communication with A/C unit. Does A/C DATA OK appear on the display?	—	Go to *Step 9*	On NG display, Go to *Step 6*
6	Is A/C DATA ERR1(abnormal display data line) displayed?	—	Refer to *A/C self-diagnosis*	Go to *Step 7*
7	Is A/C DATA ERR2 (abnormal CLOCK data line) displayed?	—	Refer to *A/C self-diagnosis*	Go to *Step 8*
8	Is A/C DATA ER3 (abnormal SW data line) displayed?	—	Go to *Step 11*	—
9	Press and release the SERVICE key (1 time only) to display the A/C unit error history. Is the action complete?	—	Go to *Step 10*	—
10	1. Press and release the SERVICE key (1 time only) to change to the key diagnosis mode. 2. Press and release each key. NOTE: As a key is pressed, its name should appear on the display. The A/C LED should blink at 1–second intervals. Did the events described in Step 2 occur?	—	Go to *Step 12*	Go to *Step 11*
11	Replace the audio unit. Is the action complete?	—	Go to *Step 1*	—
12	Press and release the ON/OFF key. Is the action complete?	—	Go to *Step 1*	Go to *Step 13*
13	Press and release the SERVICE key (1 time only). Is the action complete?	—	Go to *Step 3*	—

Display Self-Diagnosis

Step	Action	Value(s)	Yes	No
1	1. Simultaneously press and hold the RESET key and the CLOCK key (on the display panel). 2. Turn the ignition switch to the ON position. Does DIAG appear on the display screen?	—	Go to *Step 2*	Check power supply and component connections. Start self-diagnosis again.
2	Press and release the RESET key (1 time only). Does DIAG DISP appear on the display?	—	Go to *Step 3*	Go to *Step 10*
3	Press and release the RESET key (1 time only) to start audio communications diagnosis. Does AUD DAT OK appear on the display?	—	Go to *Step 5*	On NG display, Go to *Step 4*
4	Replace the audio unit. Is the action complete?	—	Go to *Step 1*	—
5	1. Press and release the RESET key (1 time only). 2. Confirm that the trouble history is displayed on the screen. Is the trouble history displayed?	—	Go to *Step 6*	—
6	Press and release the RESET key (1 time only) to start MID communications diagnosis. Does MID DATA OK appear on the display?	—	Go to *Step 8*	On NG display, Go to *Step 7*
7	Replace the MID unit. Is the action complete?	—	Go to *Step 1*	—
8	1. Press and release the RESET key (1 time only) to display MID communications error history. 2. Confirm that the error history is displayed on the screen. Is the error history displayed?	—	Go to *Step 9*	—
9	Press and release the RESET key (1 time only) to open all segments. Do all segments light?	—	Go to *Step 11*	Go to *Step 10*
10	Replace the display unit. Is the action complete?	—	Go to *Step 1*	—
11	Press and release the ON/OFF key to complete display self-diagnosis. Is the action complete?	—	Go to *Step 1*	Go to *Step 12*
12	Press and release the SERVICE key. Is the action complete?	—	Go to *Step 3*	—

MID Self-Diagnosis

Step	Action	Value(s)	Yes	No
1	1. Simultaneously press and hold the RESET key and the CLOCK key (on the display panel). 2. Turn the ignition switch to the ON position. Does DIAG appear on the display screen?	—	Go to *Step 2*	Check power supply and components connections. Start self-diagnosis again.
2	Press and release the CLOCK key (1 time only). Does DIAG MID appear on the display?	—	Go to *Step 3*	—
3	Press and release the CLOCK key (1 time only) to begin GPS communications diagnosis. Does GPS OK appear on the display?	—	Go to *Step 5*	On ERROR1, Go to *Step 4*
4	Repair open circuit between MID and GPS receiver (I-13–2 ~ I-16–5). Is the action complete?	—	Go to *Step 1*	—
5	Press and release the CLOCK key (1 time only) to begin fuel injection pulse diagnosis. Does F-INJ OK appear on the display?	—	Go to *Step 7*	On ERROR2, Go to *Step 6*
6	Repair open fuel injection pulse circuit (I-13–5 ~ E35–8). Is the action complete?	—	Go to *Step 1*	—
7	Press and release the CLOCK key (1 time only) to begin fuel remainder pulse diagnosis. Does F-SENS OK appear on the display?	—	Go to *Step 9*	On ERROR3, Go to *Step 9*
8	Repair open fuel remainder pulse circuit (I-13–6 ~ E35–48). Is the action complete?	—	Go to *Step 1*	—
9	Press and release the CLOCK key (1 time only) to begin gyro-sensor diagnosis. Does GYRO OK appear on the display?	—	Go to *Step 11*	On ERROR4, Go to *Step 10*
10	Replace the MID control unit. Is the action complete?	—	Go to *Step 1*	—
11	1. Press and release the CLOCK key (1 time only) to begin vehicle speed sensor diagnosis. 2. Drive vehicle. Does SPEED OK appear on the display?	—	Go to *Step 13*	On ERROR5, Go to *Step 12*
12	Repair open vehicle speed sensor circuit (I-13–15 ~ E43–3). Is the action complete?	—	Go to *Step 1*	—
13	Press and release ON/OFF key to return to start of diagnosis screen. Is the action complete?	—	Go to *Step 1*	Go to *Step 14*
14	Press and release the SERVICE key. Is the action complete?	—	Go to *Step 2*	—

Symptom Diagnosis

MID Not Appears

Step	Action	Value(s)	Yes	No
1	Is fuse (AUDIO 20A) normal?	—	Go to *Step 2*	Replace fuse
2	Remove connectors at display unit. Is there battery voltage across terminal No. I-12–16 (display unit harness connector)?	12V	Go to *Step 4*	Go to *Step 3*
3	Repair open circuit between terminal No. I-12–16 (display unit harness connector) and the battery. Is the action complete?	—	Go to *Step 2*	—
4	Move the ignition switch to the ACC position. Is there battery voltage across terminal No. I-12–7 (display unit harness connector)?	12V	Go to *Step 6*	Go to *Step 5*
5	Repair open circuit between terminal No. I-12–7 (display unit harness connector) and the battery. Is the action complete?	—	Go to *Step 4*	—
6	Move the starter switch to the IGN position. Is there battery voltage across terminal No. I-12–14 (display unit harness connector)?	12V	Go to *Step 8*	Go to *Step 7*
7	Repair open circuit between terminal No. I-12–14 (display unit harness connector) and the battery. Is the action complete?	—	Go to *Step 6*	—
8	Replace the display unit. Is the action complete?	—	Go to *Step 1*	—

No COMPASS, CLOCK, FUEL CONSUMPTION, or SERVICE Display

Step	Action	Value(s)	Yes	No
1	1. Remove the connectors from the display unit. 2. Turn the ignition switch to the ON position. Is there approximately 5 volts across terminal No. I-12–1 (display unit harness connector)?	5V	Go to *Step 2*	Go to *Step 5*
2	Remove the connectors form the display unit. Is there battery voltage between the No. I-12–7 terminal and the No. I-12–16 terminal (display unit harness connector)?	12V	Go to *Step 4*	Go to *Step 3*
3	Repair open circuit between terminal No. I-12–7 and terminal No. I-12–16. Is the action complete?	—	Go to *Step 2*	—
4	Replace the display unit. Is the action complete?	—	Go to *Step 1*	—
5	Remove the MID connectors. Is there battery voltage between the No. I-13–7 terminal, the No. I-13–8 terminal, and the No. I-13–16 terminal (display unit harness connector)?	12V	Go to *Step 7*	Go to *Step 6*
6	Repair open circuit between terminal No. I-13–7, terminal No. I-13–8, and terminal No. I-13–16. Is the action complete?	—	Go to *Step 5*	—
7	Replace the MID Is the action complete?	—	Go to *Step 1*	—

No COMPASS Display

Step	Action	Value(s)	Yes	No
1	Does "—" appear on the display?	—	Go to *Step 2*	Go to *Step 3*
2	Use the self-diagnosis mode to perform MID self-diagnosis followed by GPS receiver and gyro-sensor self-diagnosis. Is the action complete?	—	Go to *Step 1*	—
3	Replace the MID and/or DISPLAY. Is the action complete?	—	Go to *Step 1*	—

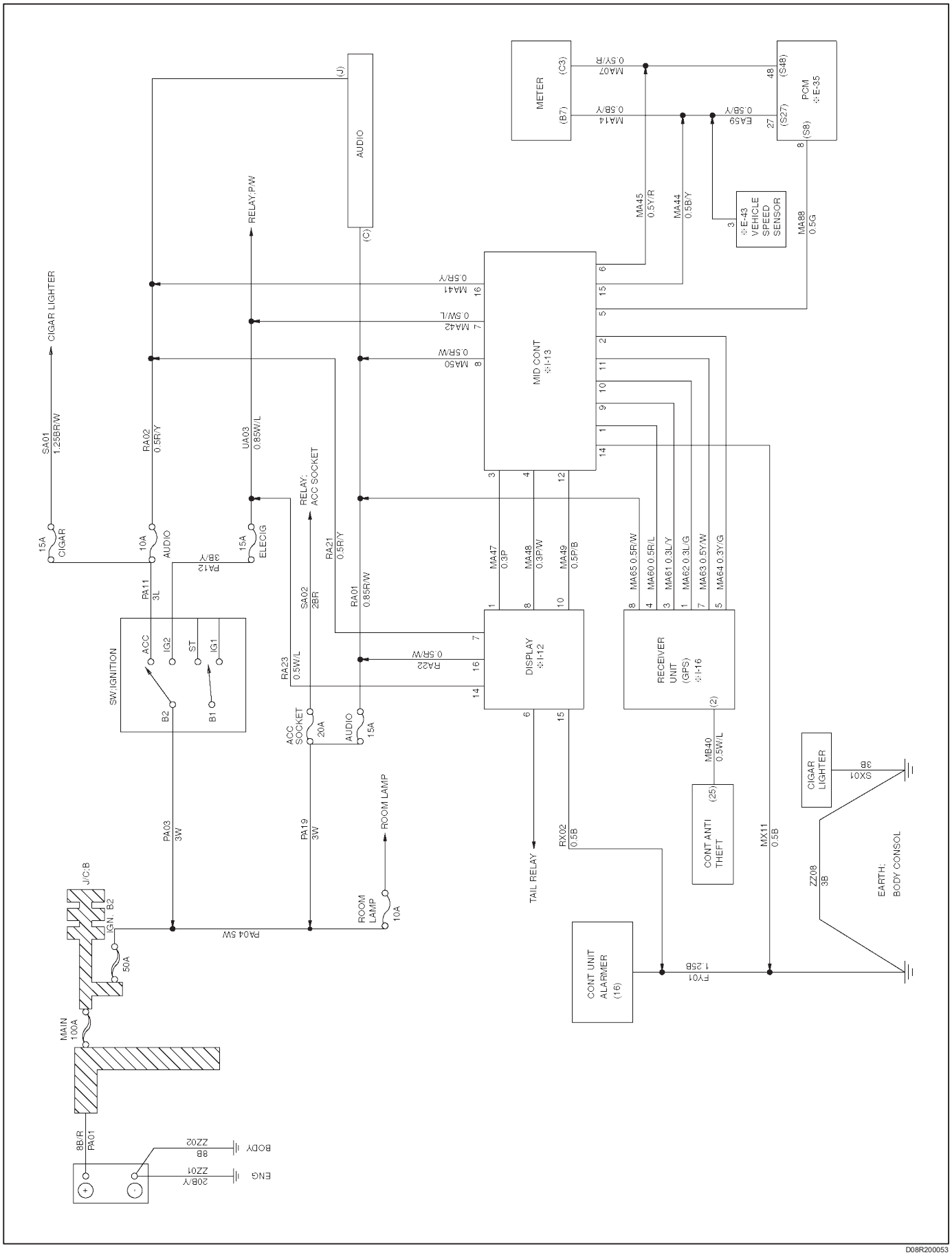
No SERVICE Display

Step	Action	Value(s)	Yes	No
1	Is SERVICE displayed?	—	Go to *Step 3*	Go to *Step 2*
2	Replace the MID and/or display. Is the action complete?	—	Go to *Step 1*	—
3	Does SERVICE display change?	—	Go to *Step 4*	Go to *Step 5*
4	CALENDER does not display MID self-diagnosis followed by GPS receiver self-diagnosis	—	Refer to *self-diagnosis items*	—
5	MID self-diagnosis followed by GPS receiver self-diagnosis	—	Refer to *self-diagnosis items*	—

Other Trouble Symptom

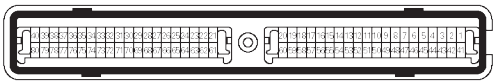
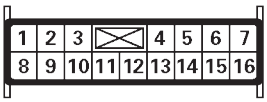
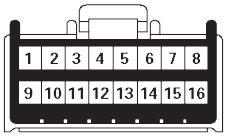
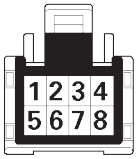
Condition	Possible cause	Correction
Elapsed time does not display	An open circuit between GPS receiver and MID control unit.	Repair an open circuit.
Fuel consumption does not display	MID control unit and/or DISPLAY not functioning.	Replace the MID control unit and/or DISPLAY.
Possible turning distance does not change	An open circuit between MID control unit No.I-13–6 terminal and PCM No.E35–48 terminal.	Repair an open circuit.
Average fuel consumption does not display	An open circuit between MID control unit No.I-13–5 terminal and PCM No.E35–8 or MID control unit NO.I-13–15 terminal and vehicle speed sensor terminal No.E43–3.	Repair an open circuit.
Current fuel consumption does not display	Refer to average fuel consumption items.	Repair an open circuit.
Compass does not change	An open circuit between MID control unit and GPS receiver or insufficient signal output of gyro sensor.	Repair an open circuit and/or replace gyro sensor.
CALENDER does not display	MID control unit and/or display not functioning.	Replace the MID control unit and/or DISPLAY.
SERVICE does not change	An open circuit of the vehicle speed sensor.	Repair an open circuit.
Units cannot be changed	MID not functioning.	Replace the MID control unit.

MID Circuit



D08R200053

Harness Connector Faces

No.	Connector face
E-35	
E-43	
I-12	
I-13	
I-16	

AXIOM

BODY AND ACCESSORIES

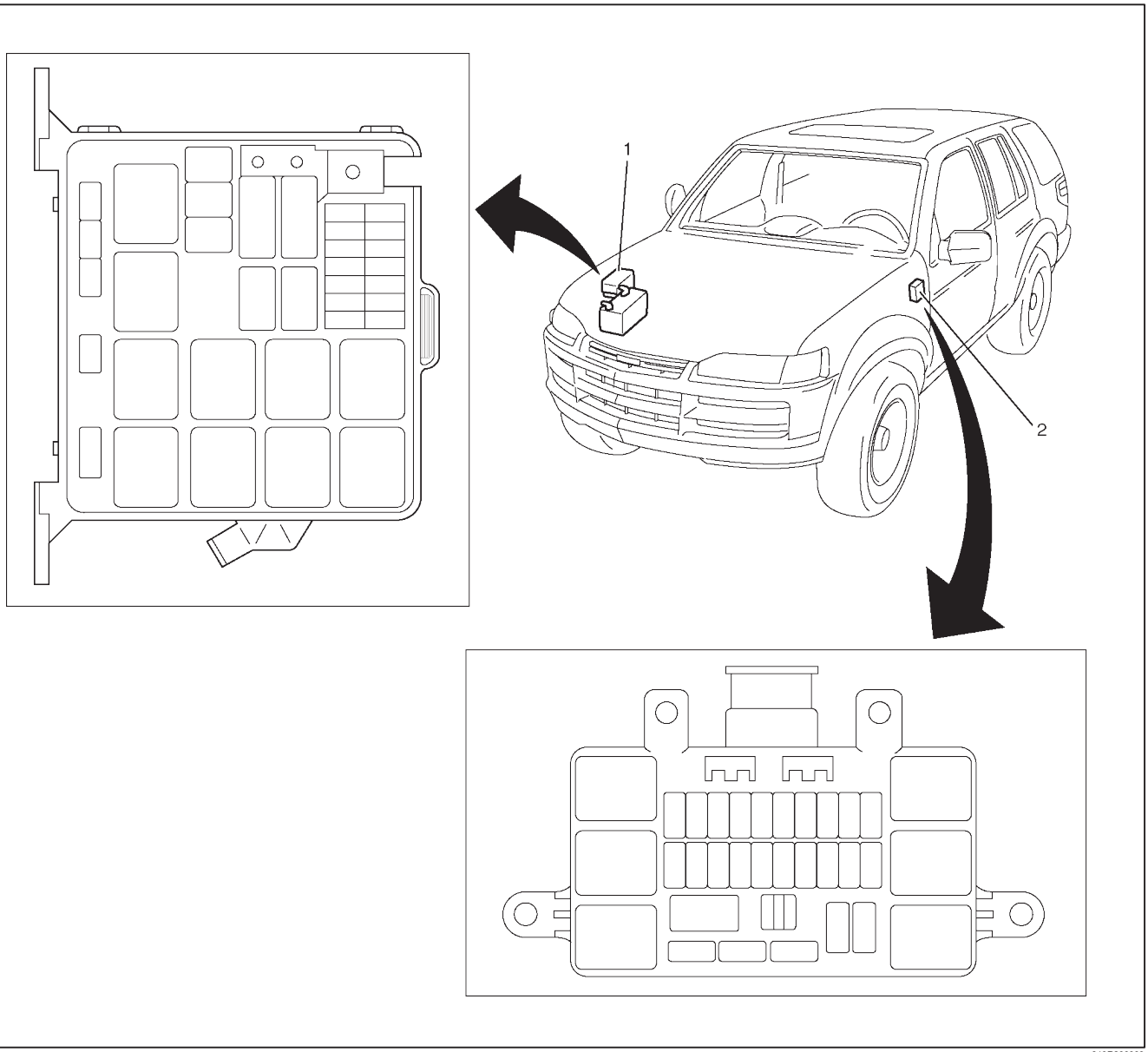
WIRING SYSTEM

CONTENTS

Fuse, Relay and Diode 8D–2
Relay / Fuse Box Location 8D–2
Relay / Fuse Box (Instrument Panel) 8D–3
Relay / Fuse Box (Engine Room) 8D–4
Circuit Diagram 8D–5
Fuse Block Circuit 8D–5
Ground Location (Engine Room) 8D–6
Ground Location (Cabin) 8D–7
Starter and Generator 8D–8
PCM–1 . . . . . 8D–9
PCM–2 . . . . . 8D–10
Headlight and Fog Light 8D–11
Turn, Hazard, Stop, Back Up, Horn and A/T Shift Lock 8D–12
Dome Light, Luggage Room Light, Courtesy Light, Spot Light, and Warning Buzzer . . . 8D–13
Power Window and Door Lock 8D–14
Alarm and Relay Control Unit 8D–15
Rear Wiper/Washer and Rear Defogger . . 8D–16
Audio, Clock, Cigarette Lighter and ACC Socket 8D–17
MID 8D–18
Door Mirror 8D–19
Meter 8D–20
Anti-theft with Keyless Entry 8D–21
Air Conditioning 8D–22
ABS 8D–23
SRS–Air Bag 8D–24
Intelligent Suspension 8D–25
T.O.D 8D–26
Sunroof 8D–27
Illumination Light 8D–28
Windshield Wiper and Washer 8D–29
Power Seat 8D–30
Seat Heater 8D–31

Fuse, Relay and Diode

Relay / Fuse Box Location

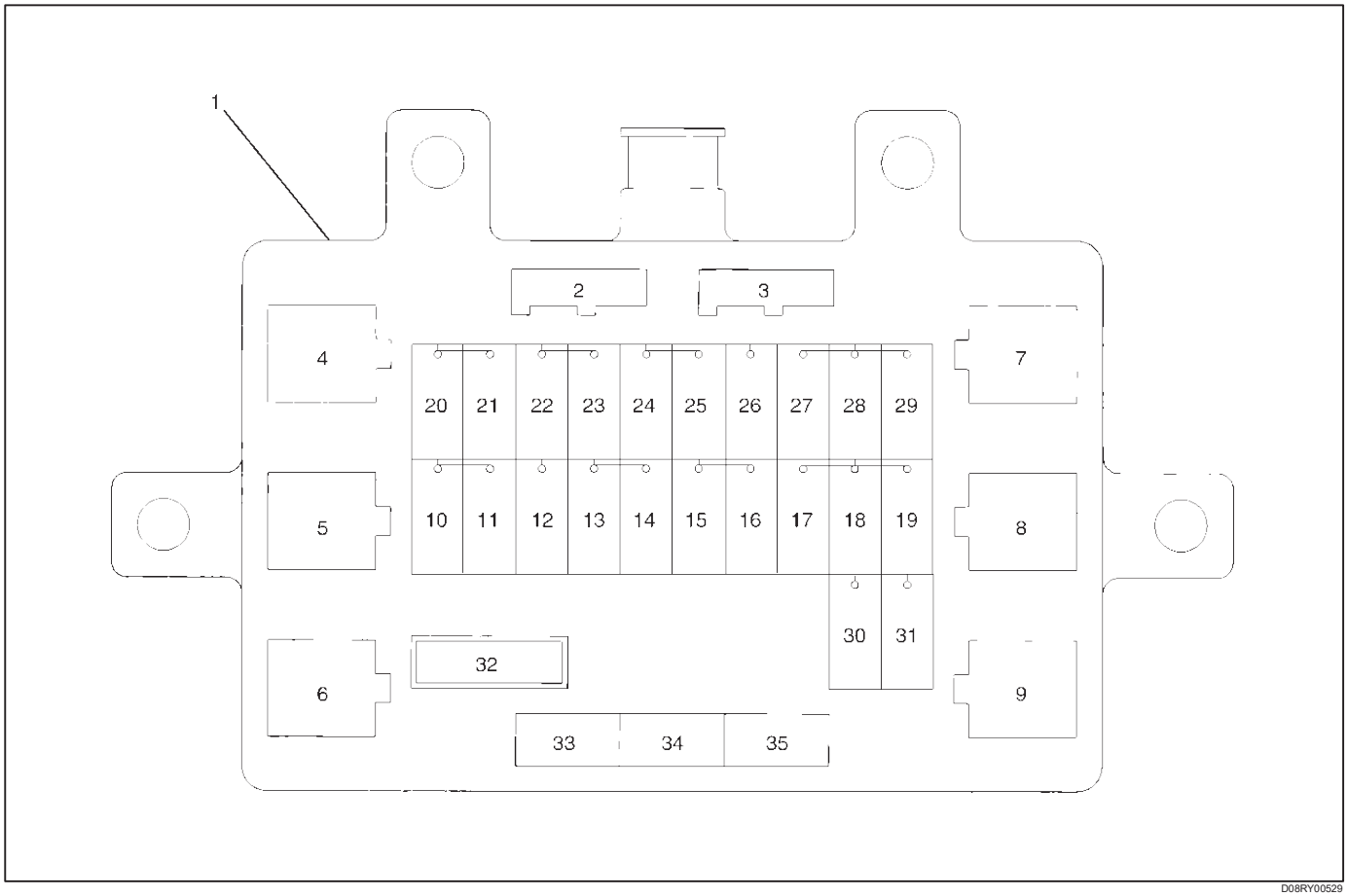


810R200003

Legend

(1) Relay/Fuse Box (Engine Room)
(2) Relay/Fuse Box (Instrument Panel)

Relay / Fuse Box (Instrument Panel)

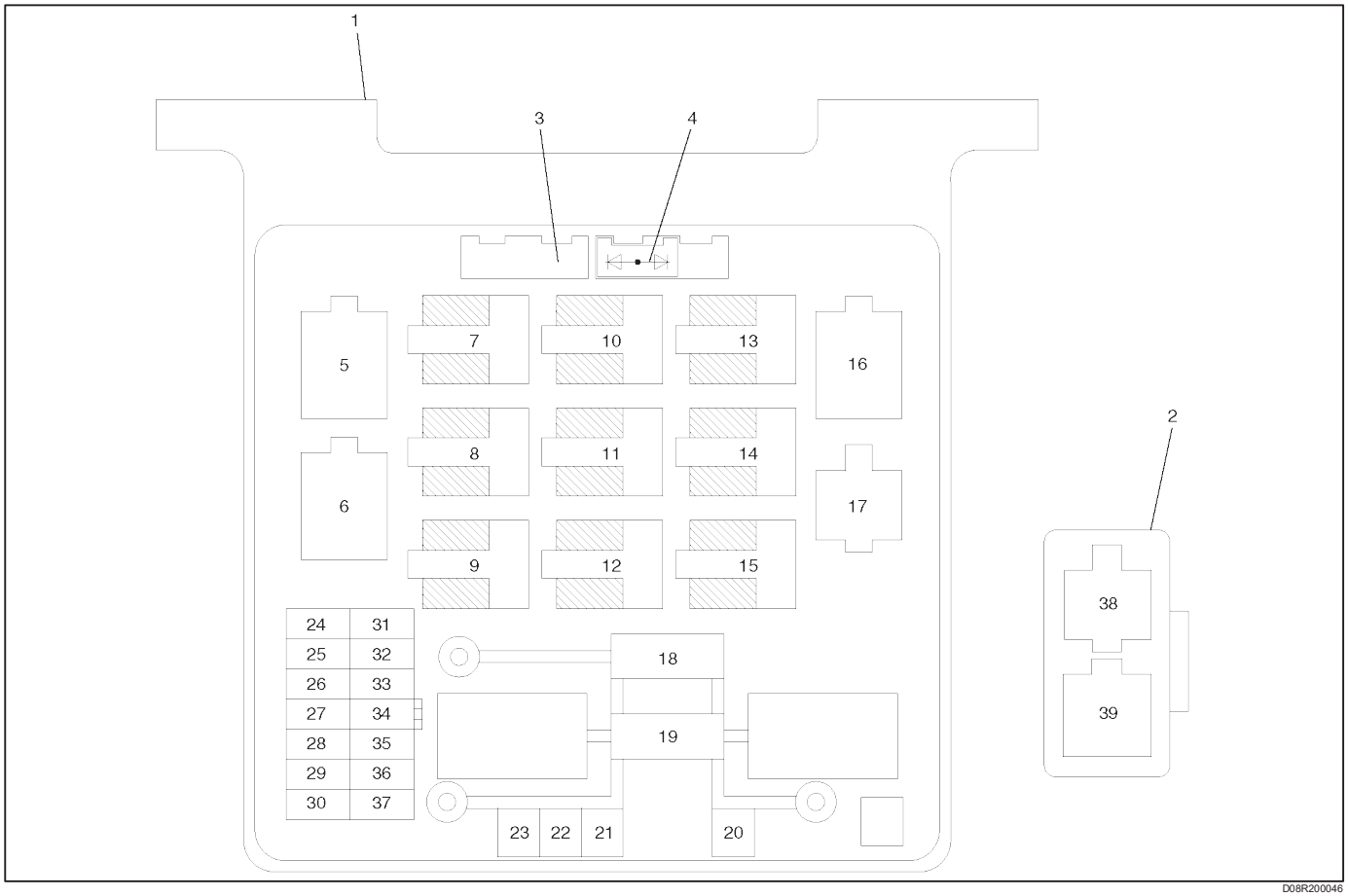


D08RY00529

Legend

(1) Fuse/Relay Box
(2) Diode
(3) Diode
(4) Tail Relay
(5) Not Used
(6) ACC Socket Relay
(7) Power Window Relay
(8) Not Used
(9) Rear Defogger Relay
(10) Fuse ACC Socket (15A)
(11) Fuse Audio (+B) (15A)
(12) Fuse Starter (10A)
(13) Fuse Tail (15A)
(14) Fuse Room Lamp (10A)
(15) Fuse Stop Lamp (15A)
(16) Fuse Door Lock (20A)
(17) Fuse Mirror Defogger (10A)
(18) Fuse Rear Defogger (15A)
(19) Fuse Rear Defogger (15A)
(20) Fuse Meter (15A)
(21) Fuse ENG. (15A)
(22) Fuse IG. Coil (15A)
(23) Fuse Back Up (15A)
(24) Fuse ELEC. IG. (15A)
(25) Fuse RR Wiper (10A)
(26) Fuse FRT Wiper (20A)
(27) Fuse Audio (ACC) (10A)
(28) Fuse Cigar Lighter (15A)
(29) Fuse Anti-theft (10A)
(30) Fuse SRS (10A)
(31) Fuse (Not Used)
(32) Circuit Breaker Power Window (30A)
(33) Spare Fuse (20A)
(34) Spare Fuse (15A)
(35) Spare Fuse (10A)

Relay / Fuse Box (Engine Room)

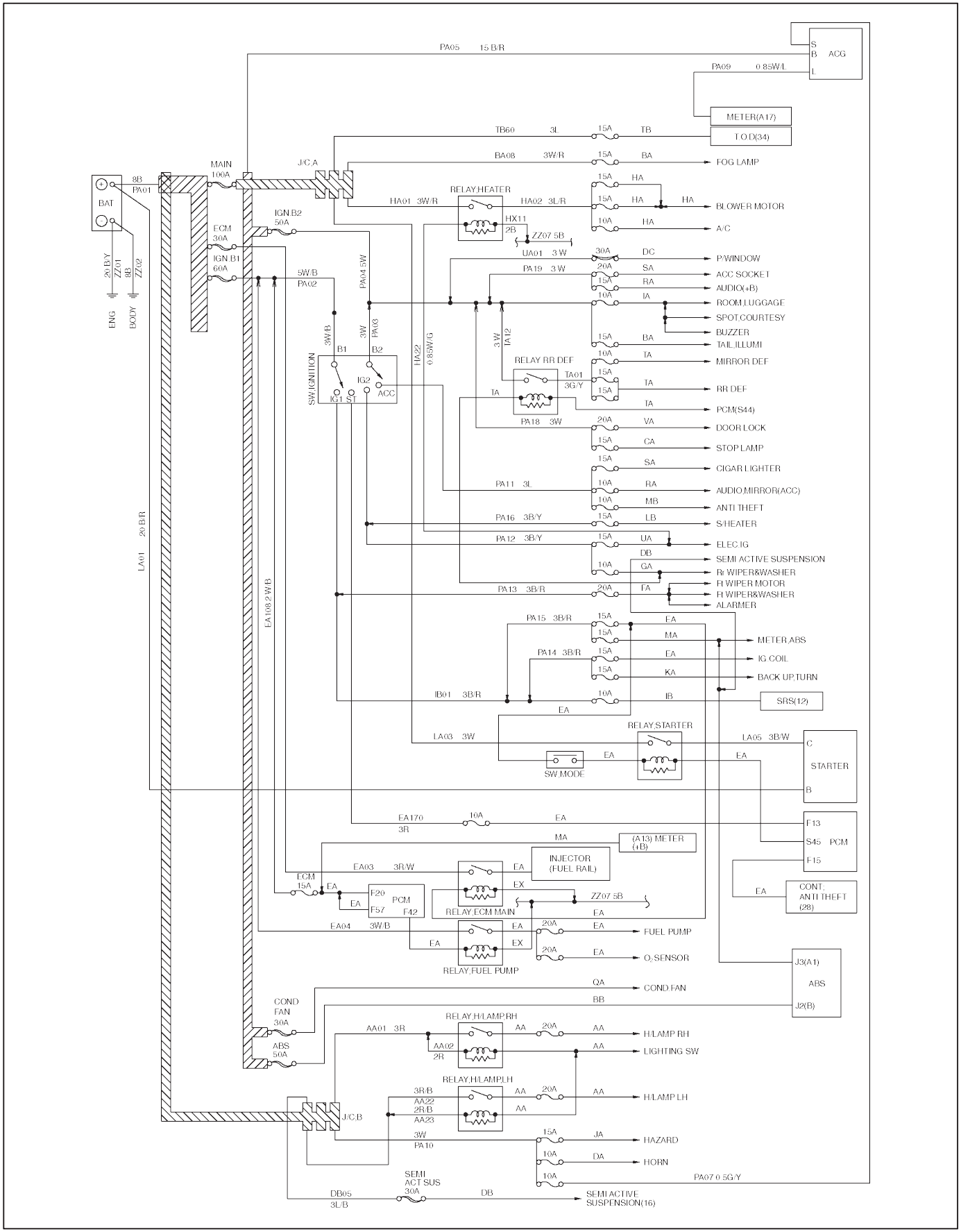


Legend

(1) Fuse/Relay Box
(2) Option Box
(3) Diode (Not Used)
(4) Diode
(5) Heater Relay
(6) A/C Compressor Relay
(7) Headlamp Relay RH
(8) Not Used
(9) Fog Lamp Relay
(10) Not Used
(11) Not Used
(12) Thermo Relay
(13) Headlamp Relay LH
(14) Starter Relay
(15) ECM Main
(16) Fuel Pump Relay
(17) Not Used
(18) IG.1 (+B.1 60A)
(19) Main (100A)
(20) ECM (30A)
(21) ABS (50A)
(22) IG.2 (+B.2 50A)
(23) Condenser Fan (30A)
(24) Hazard (15A)
(25) Horn (10A)
(26) ACG–S (10A)
(27) Seat Heater (15A)
(28) Blower (15A)
(29) Blower (15A)
(30) A/C (10A)
(31) Headlamp–LH (20A)
(32) Headlamp–RH (20A)
(33) Fog Lamp (15A)
(34) O_2 Sensor (20A)
(35) Fuel Pump (20A)
(36) ECM (15A)
(37) TOD (15A)
(38) Intelligent Suspension Relay (30A)
(39) Condenser Fan Relay

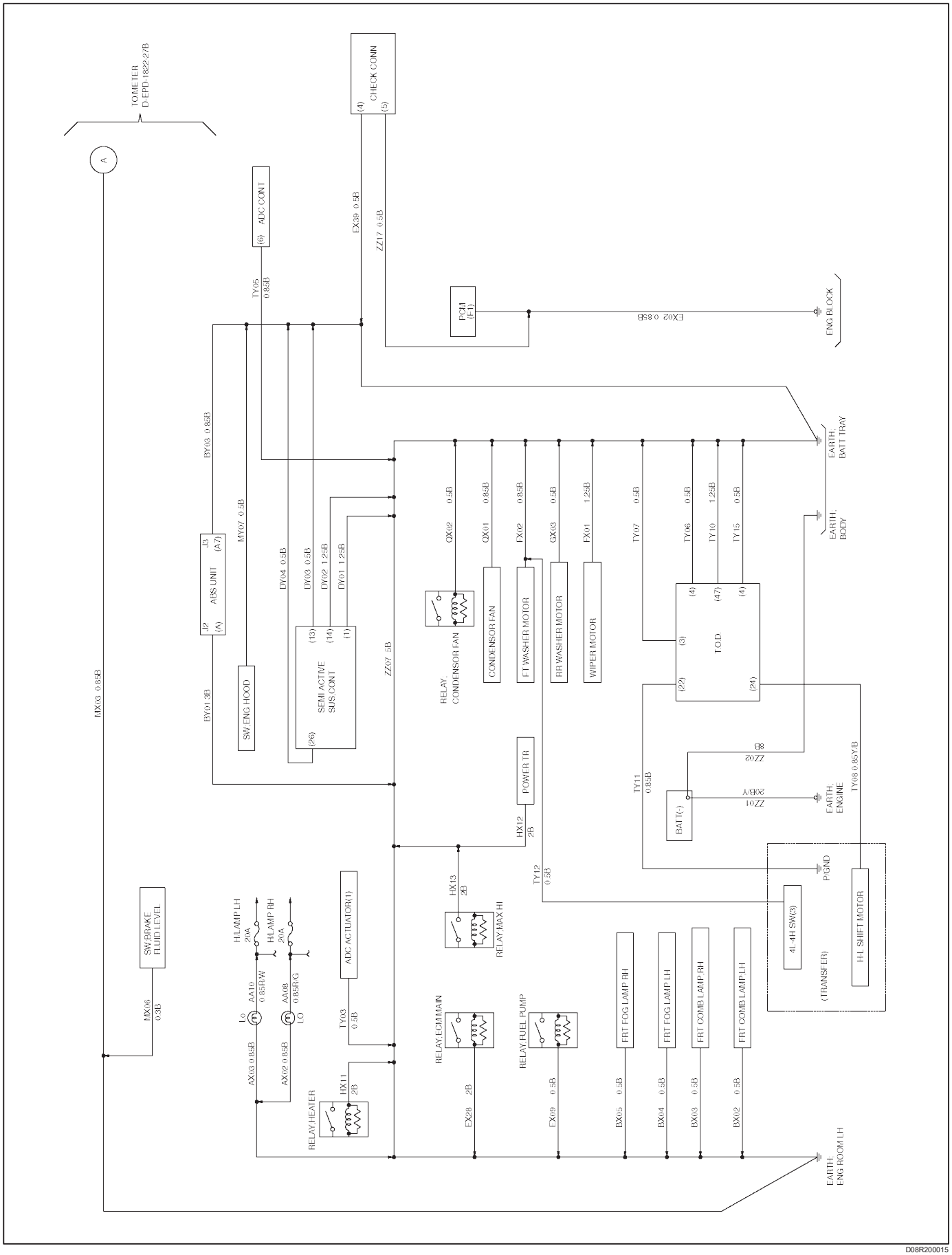
Circuit Diagram

Fuse Block Circuit



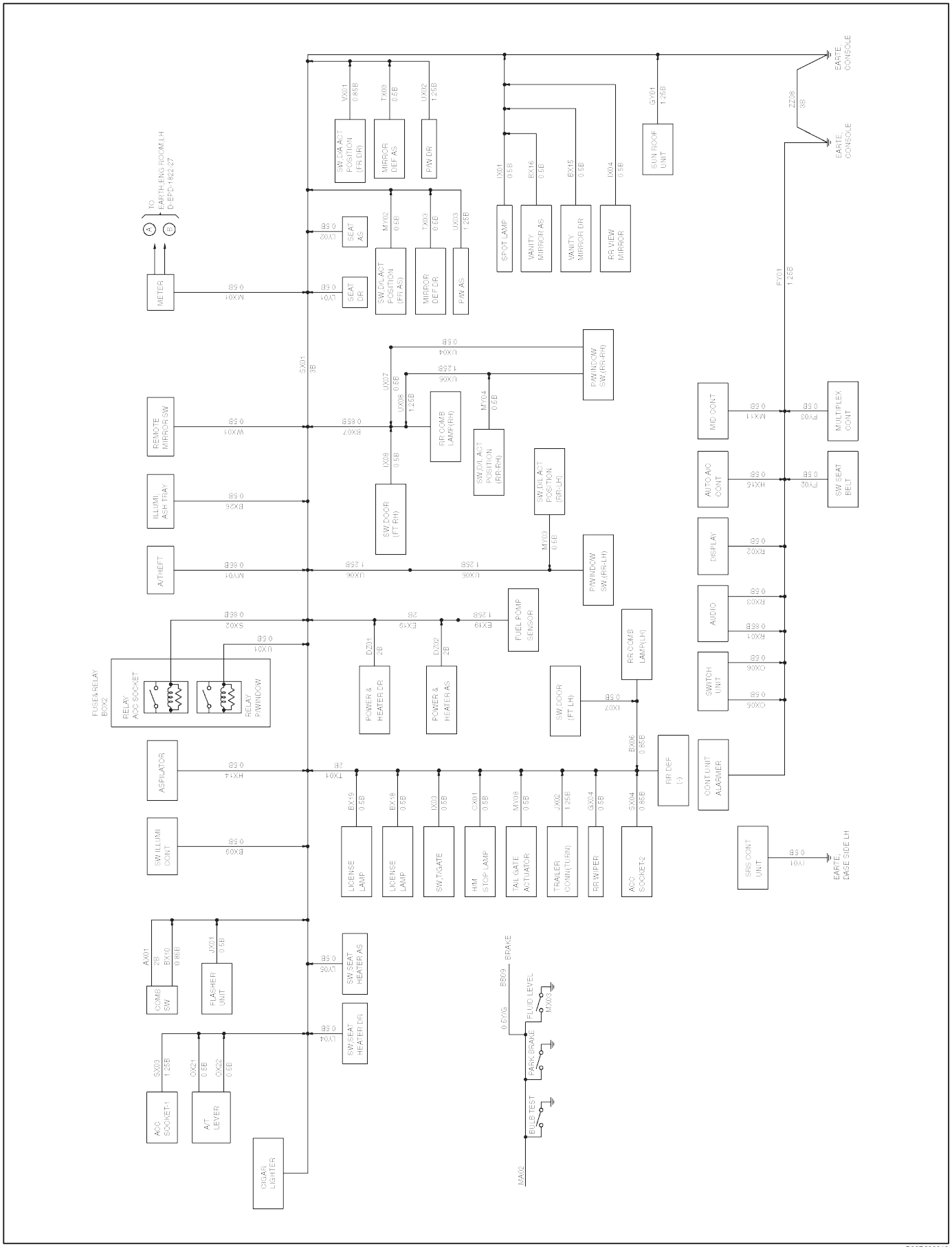
D08R200017

Ground Location (Engine Room)



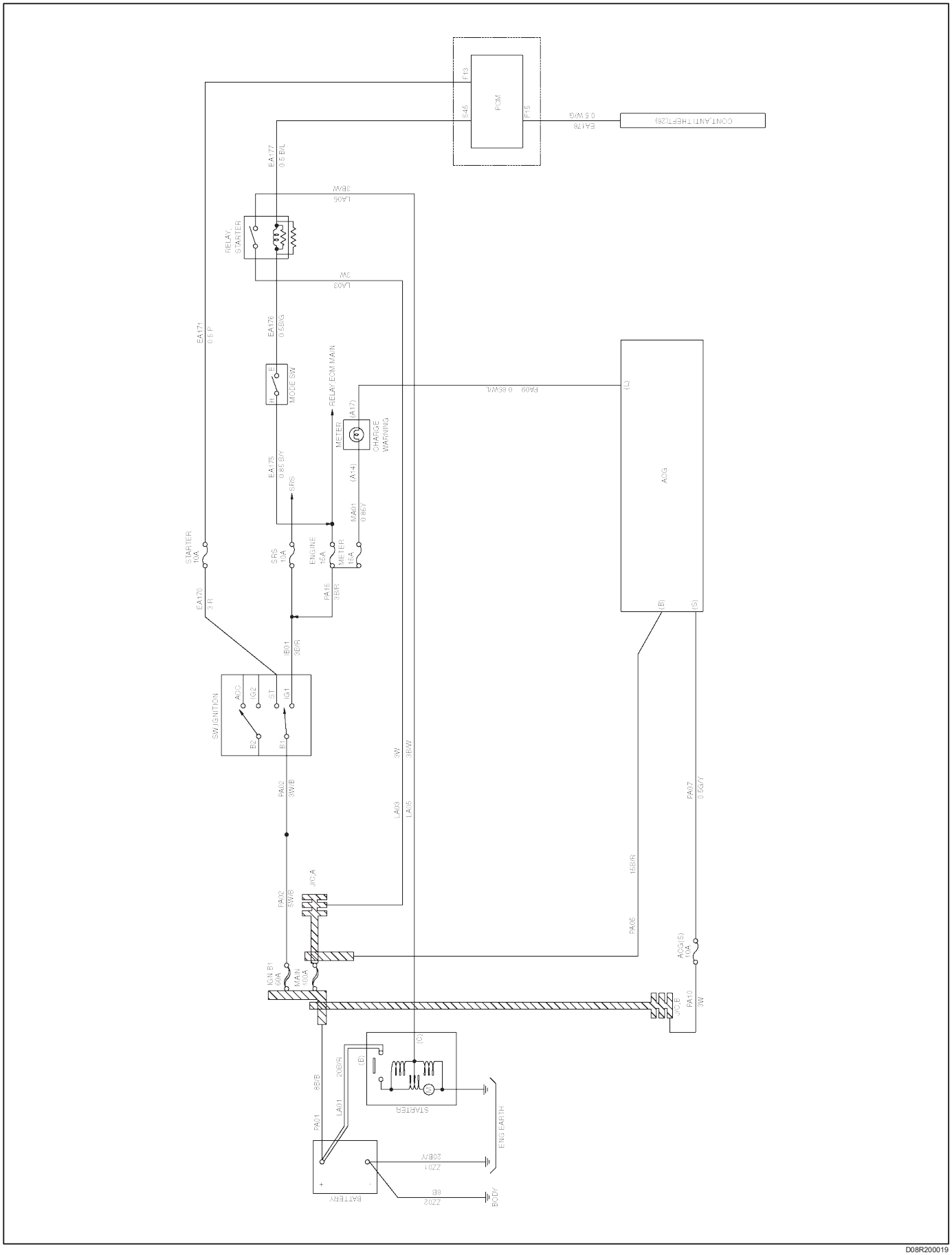
D08R200015

Ground Location (Cabin)



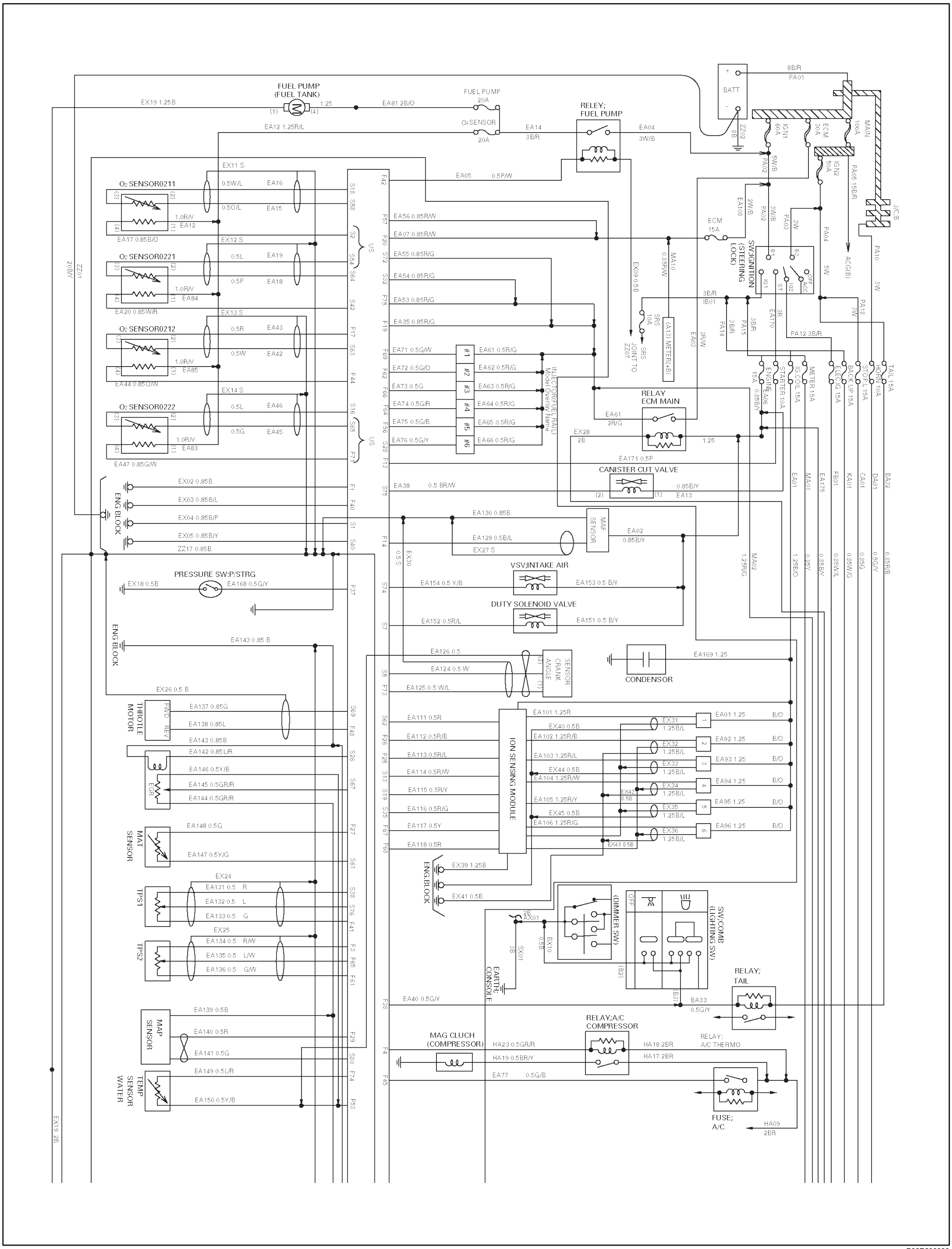
D08R200016

Starter and Generator

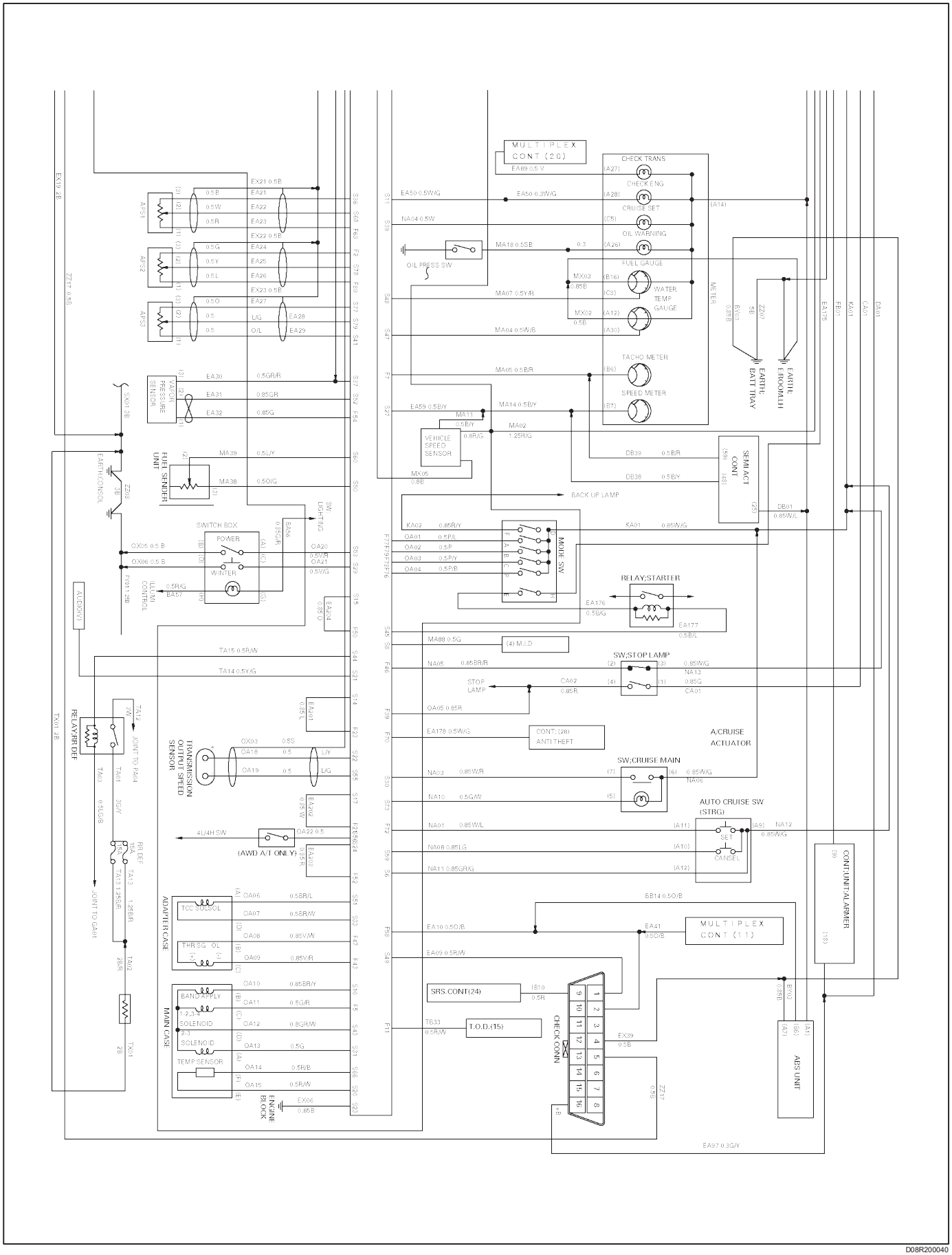


D08R200019

PCM–1

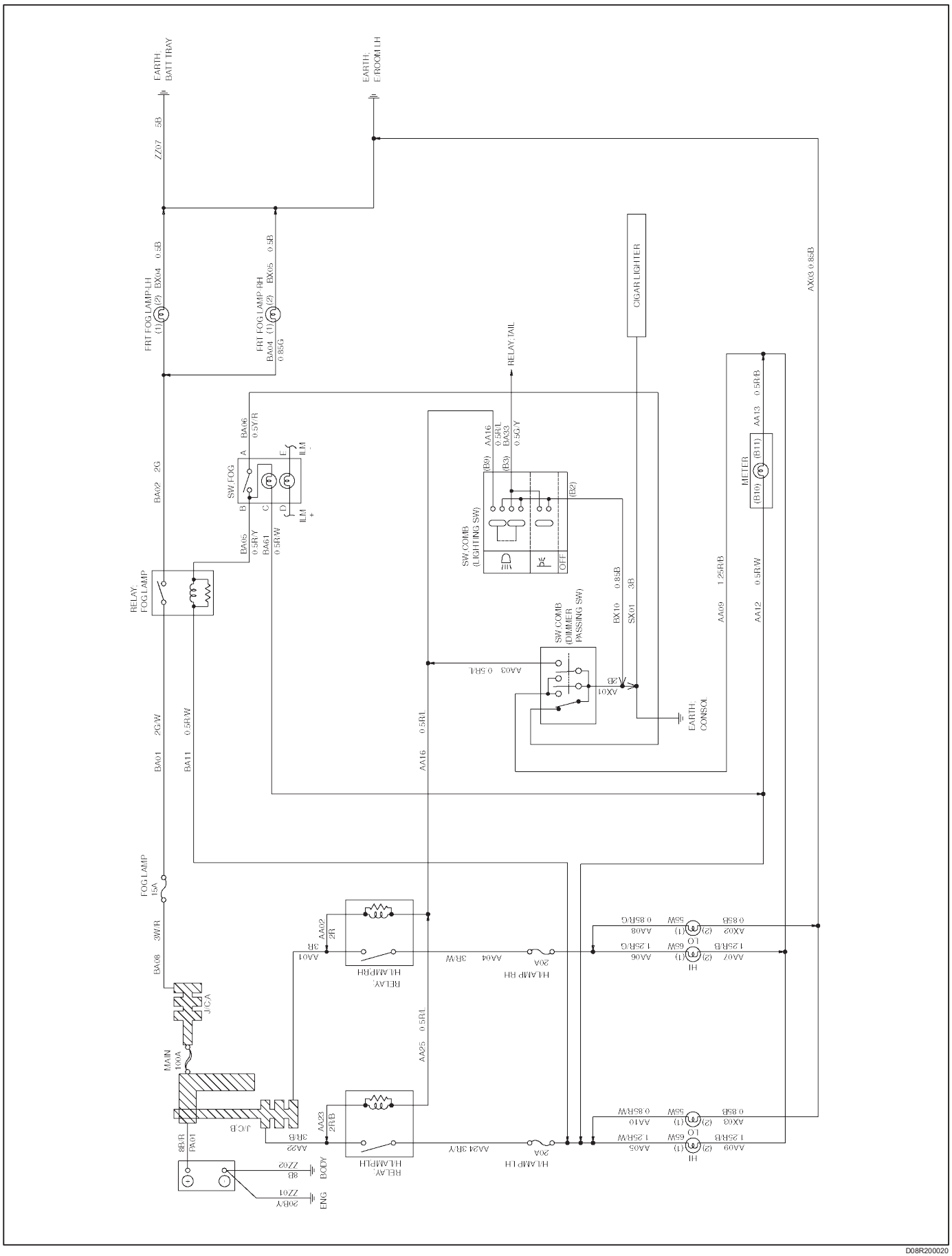

FUEL PUMP (FUEL TANK)
RELEY; FUEL PUMP
BATT
O2 SENSOR0211
O2 SENSOR0221
O2 SENSOR0212
O2 SENSOR0222
ENG BLOCK
PRESSURE SW:P/STRG
THROTLE MOTOR
EGR
MAT SENSOR
TPS1
TPS2
MAP SENSOR
TEMP SENSOR WATER
RELAY ECM MAIN
CANISTER CUT VALVE
MAF SENSOR
VSV;INTAKE AIR
DUTY SOLENOID VALVE
SENSOR CRANK ANGLE
CONDENSOR
ION SENSING MODULE
EARTH; CONSOLE
SW;COMB (LIGHTING SW)
(DIMMER SW)
RELAY; TAIL
RELAY;A/C COMPRESSOR
MAG CLUCH (COMPRESSOR)
RELAY; A/C THERMO
FUSE; A/C
SW;IGNITION (STEERING LOCK)
INJECTOR(FUEL RAIL) Model Overlay Name

PCM–2



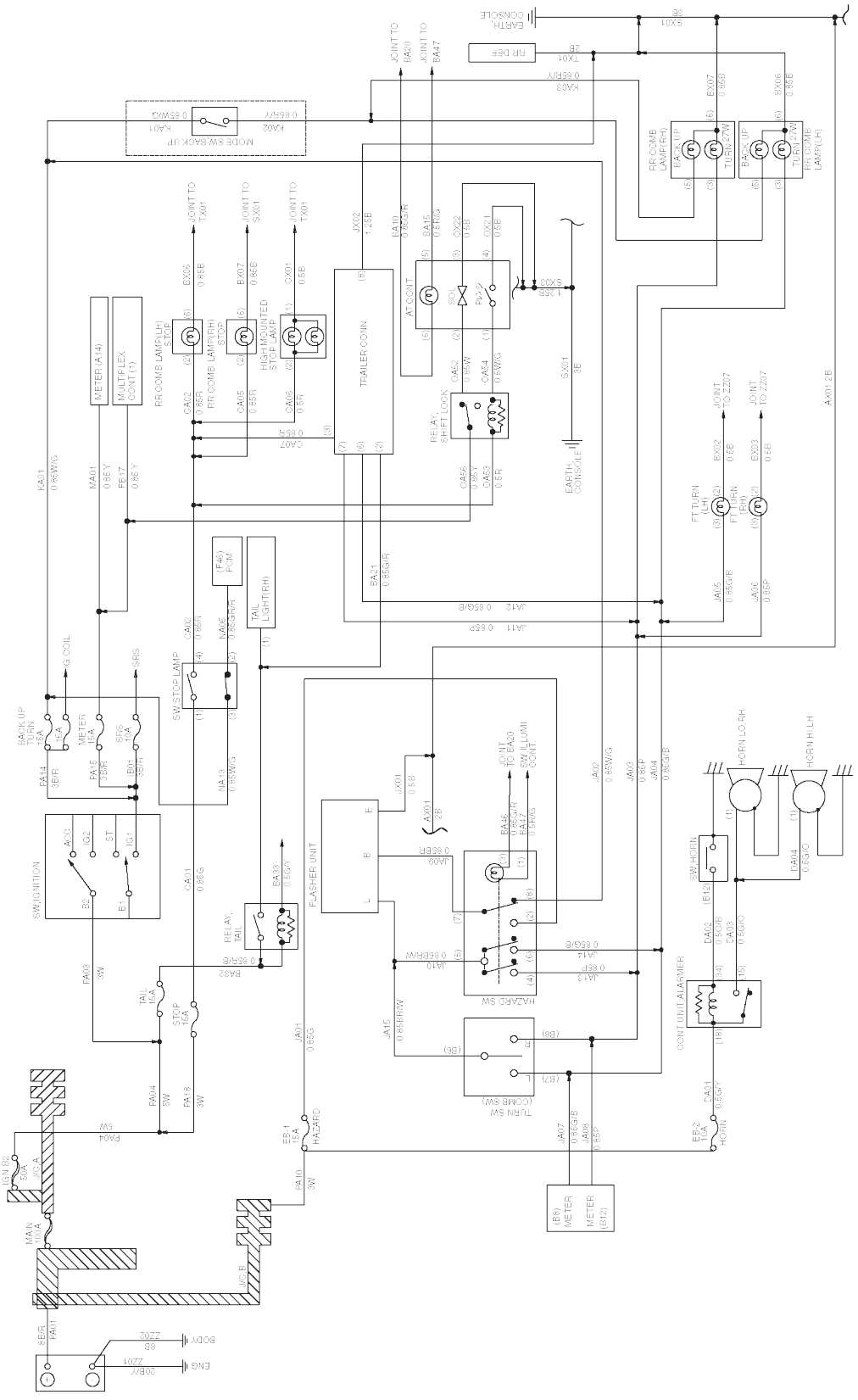
D08R200040

Headlight and Fog Light



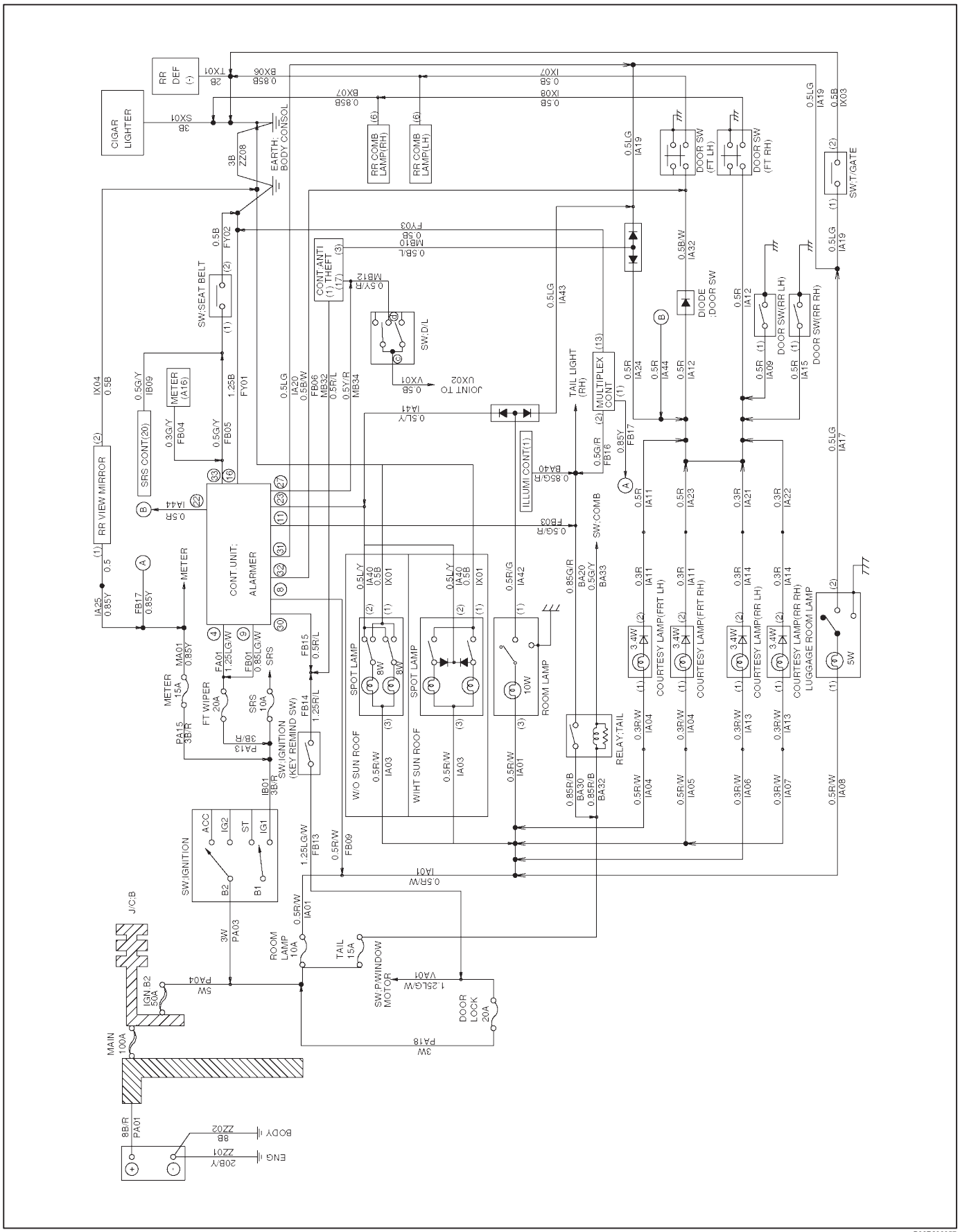
D08R200020

Turn, Hazard, Stop, Back Up, Horn and A/T Shift Lock



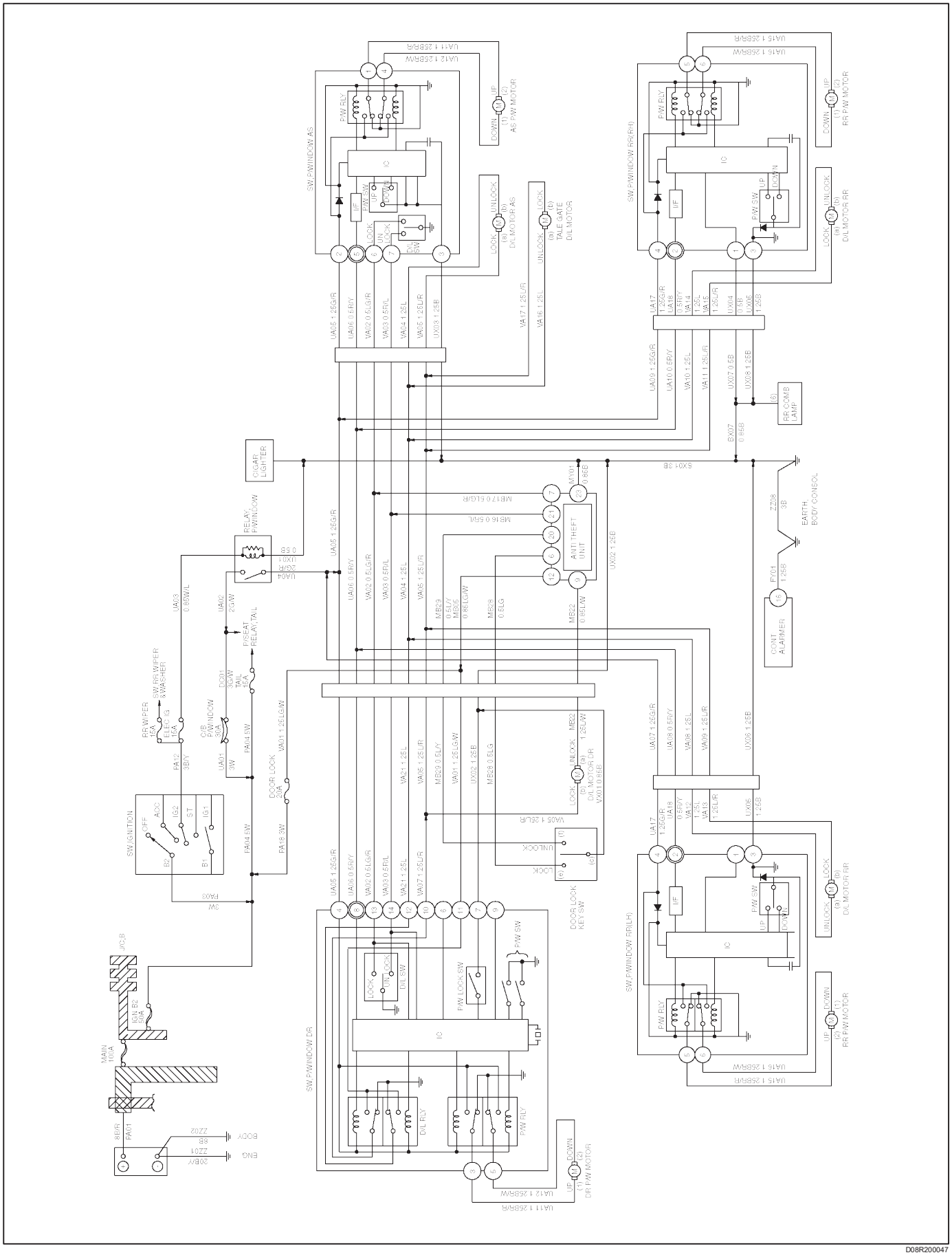
D08R200003

Dome Light, Luggage Room Light, Courtesy Light, Spot Light, and Warning Buzzer



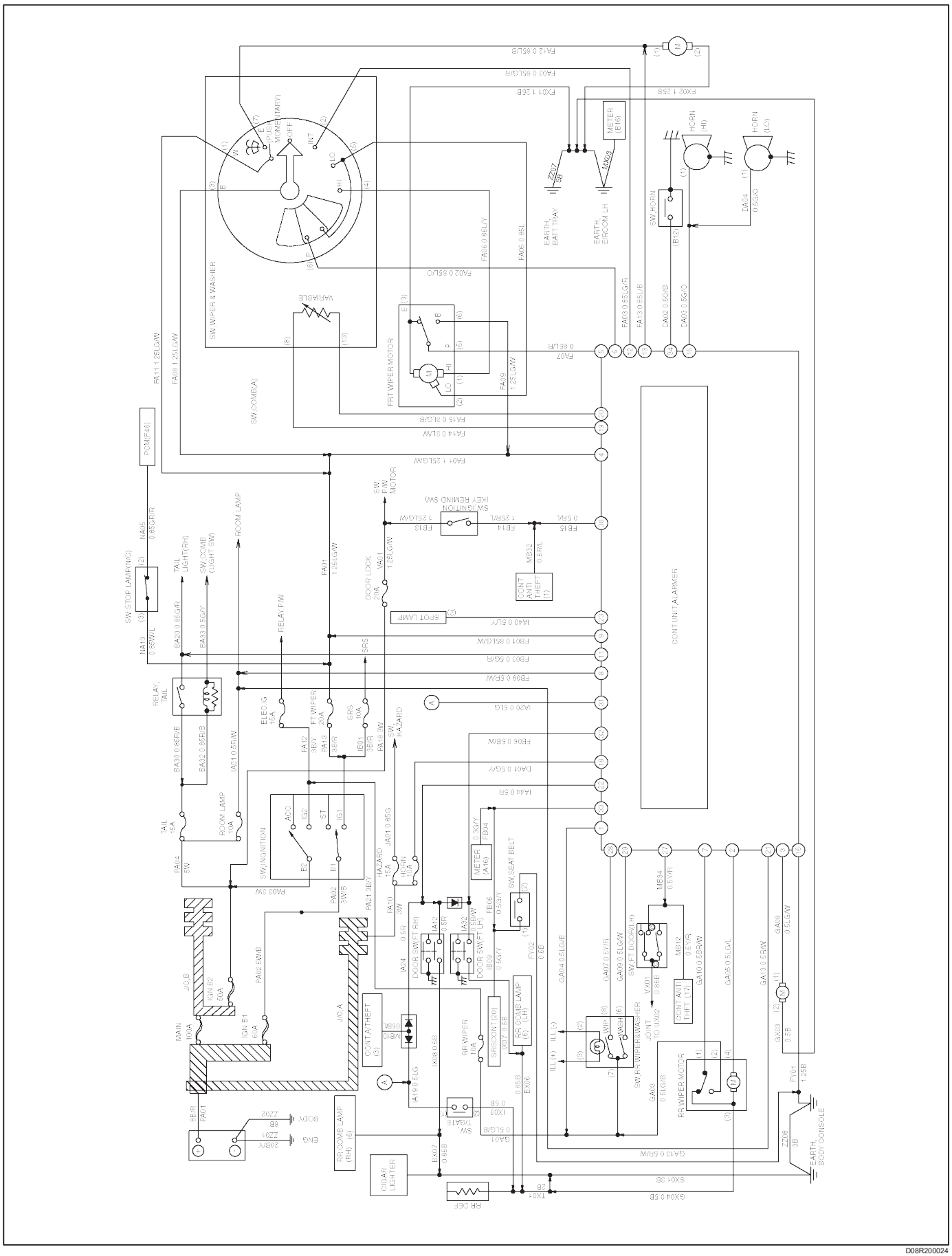
D08R200057

Power Window and Door Lock



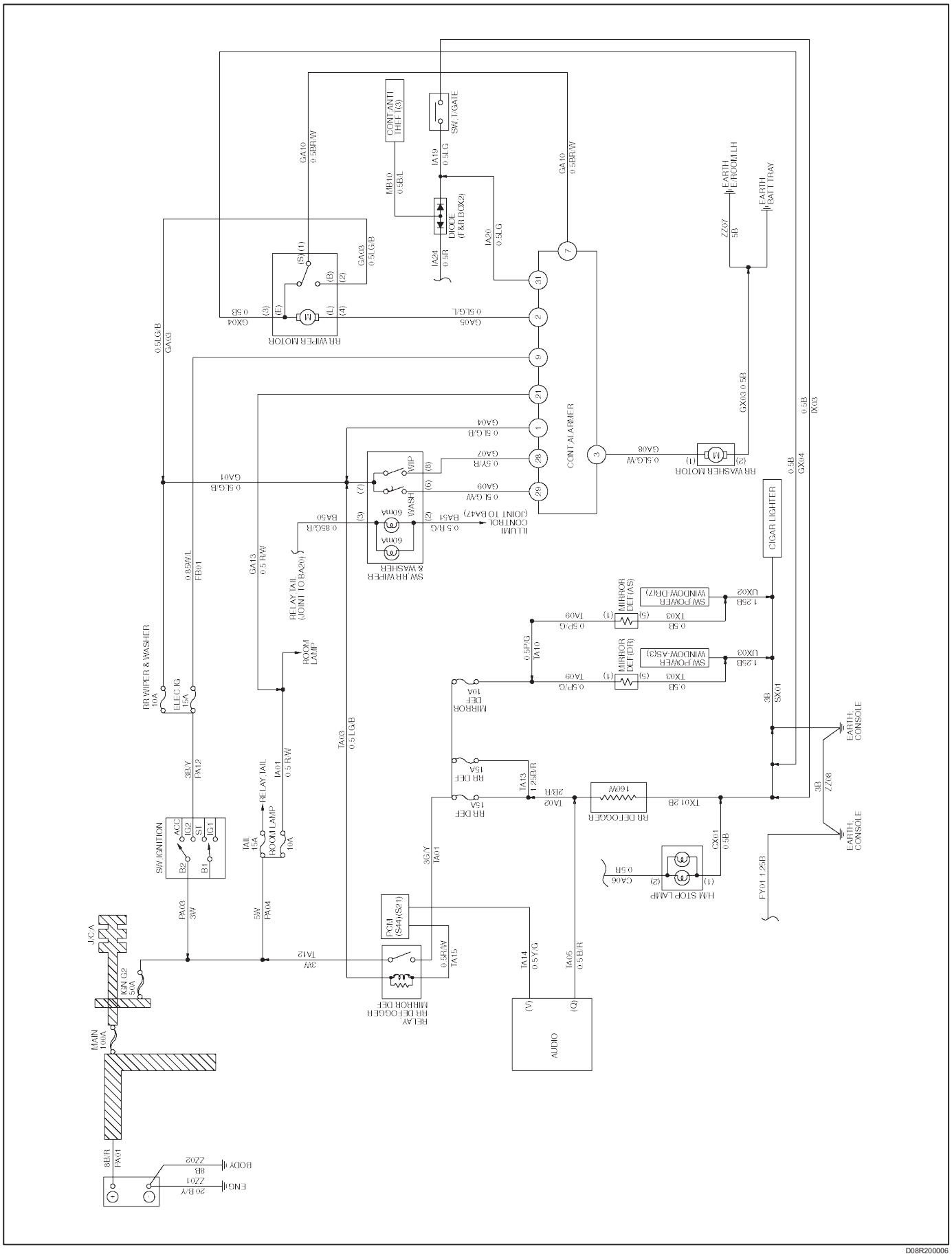
D08R200047

Alarm and Relay Control Unit

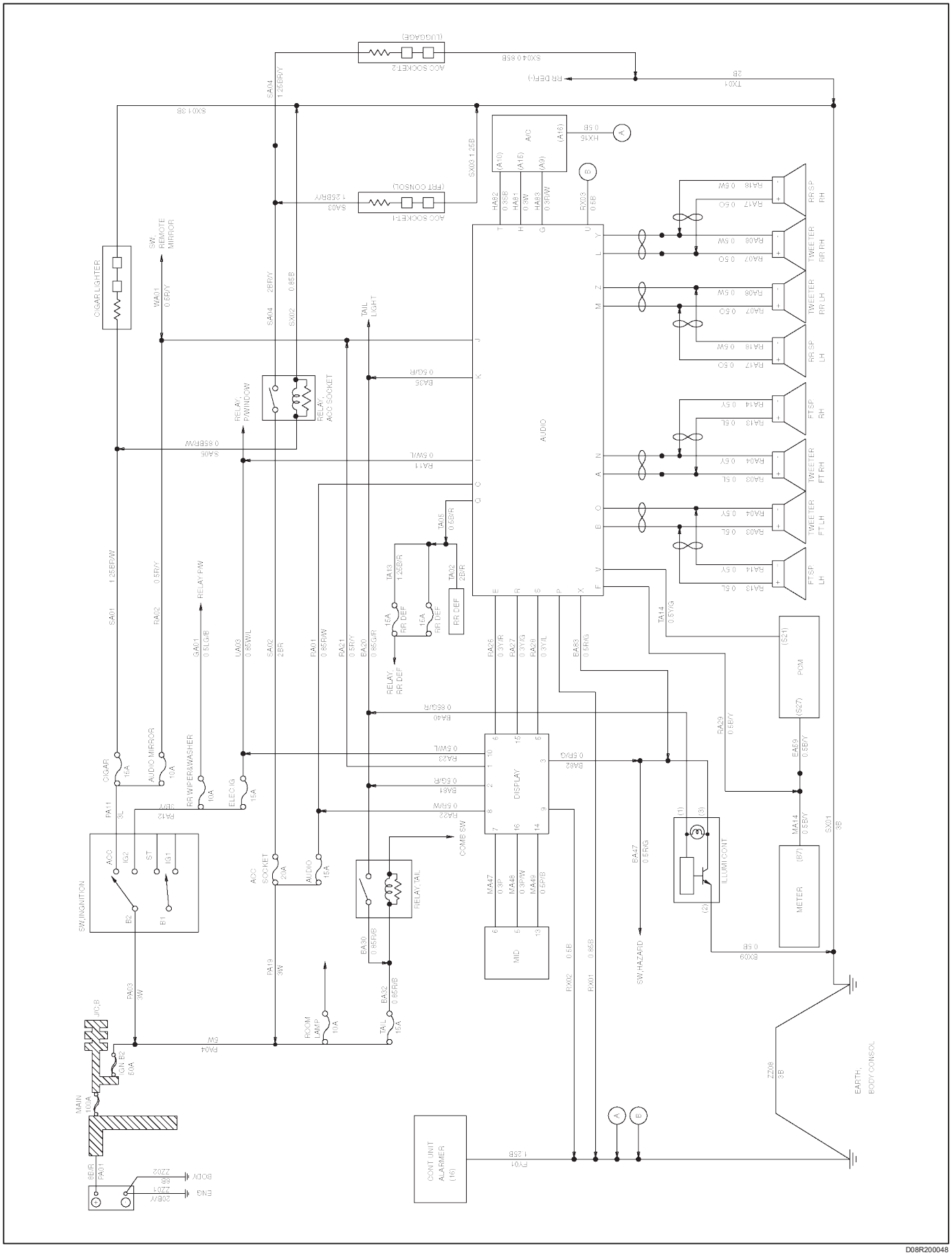


D08R200024

Rear Wiper/Washer and Rear Defogger

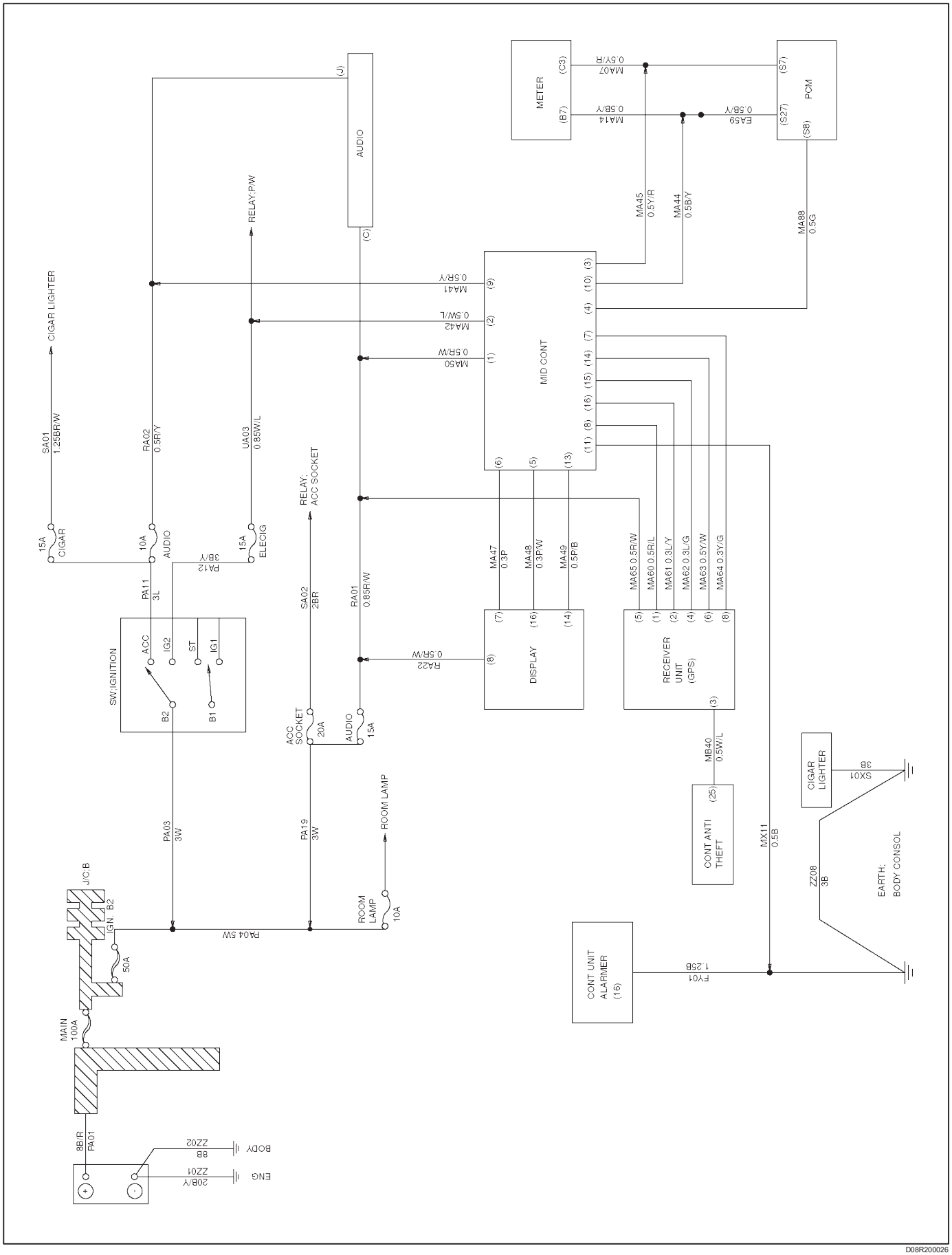


Audio, Clock, Cigarette Lighter and ACC Socket



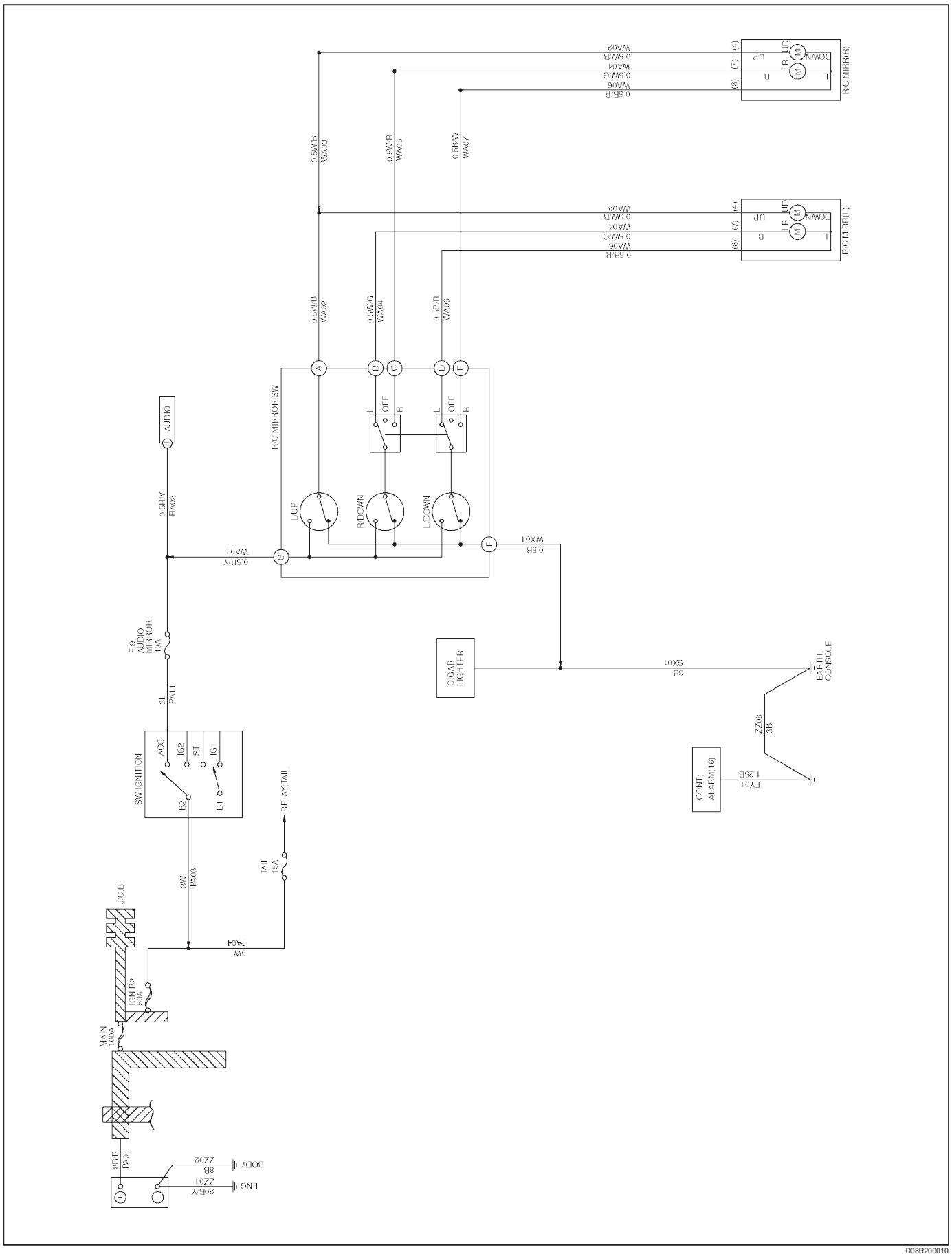
D08R200048

MID



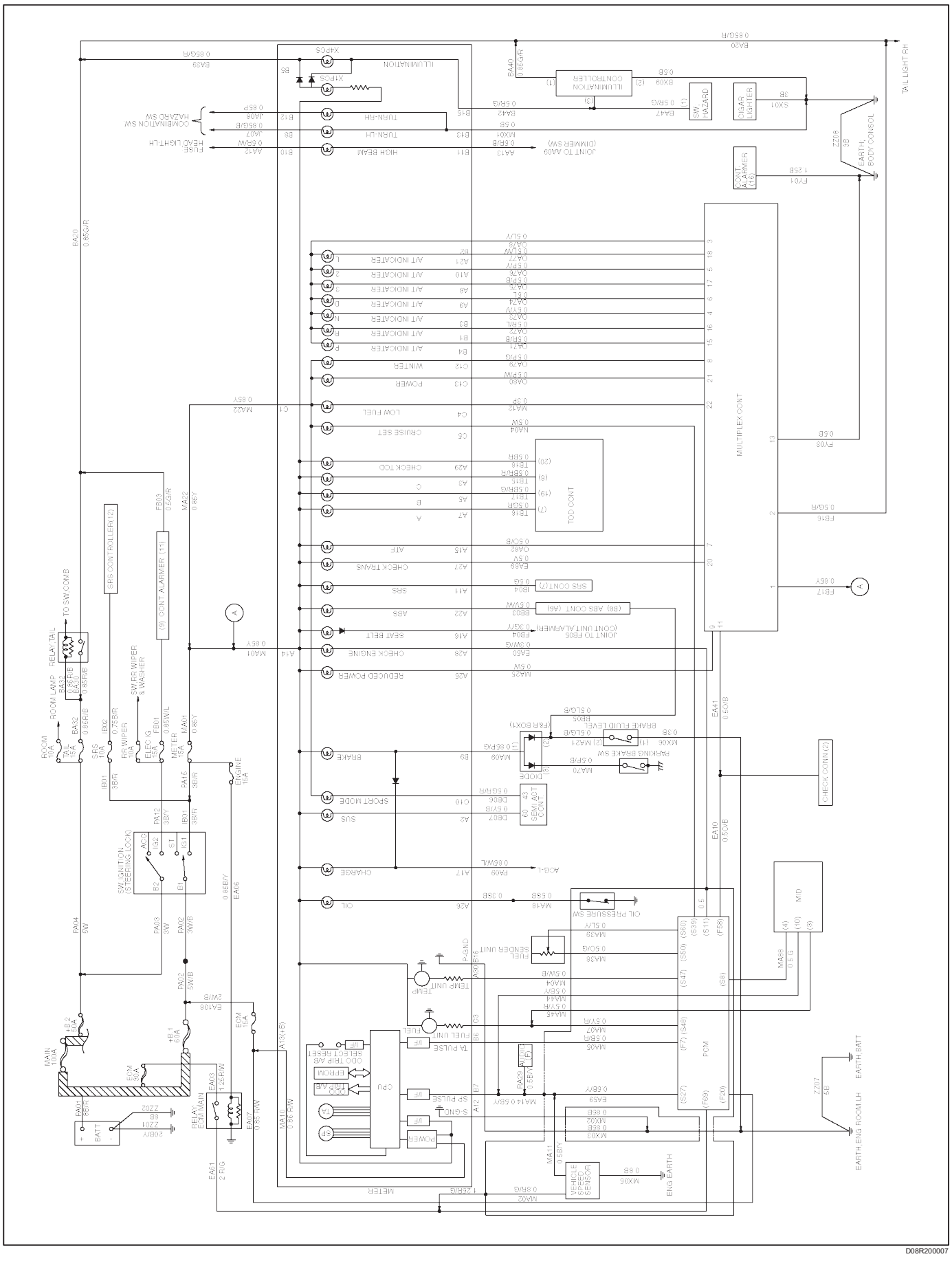
D08R200026

Door Mirror



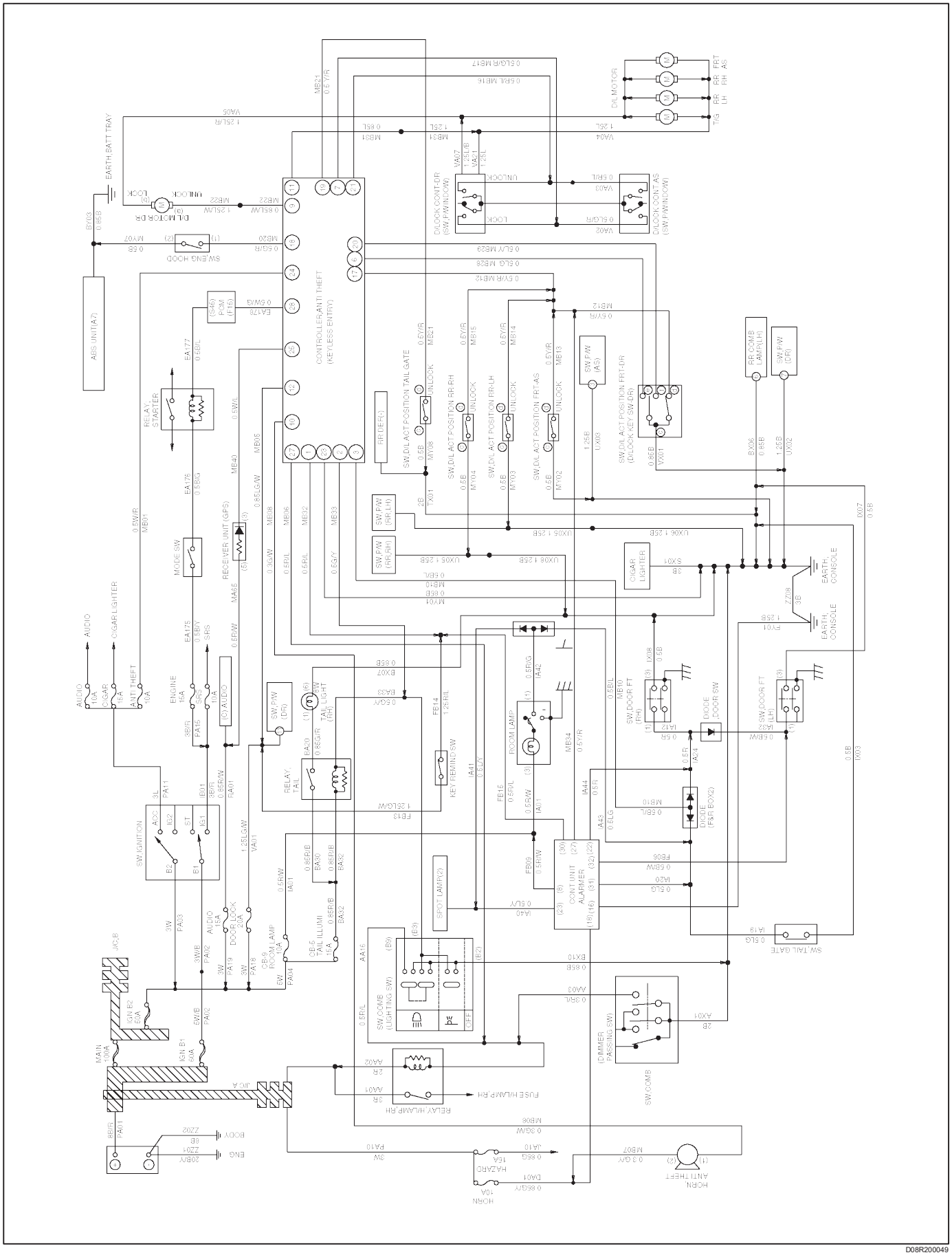
D08R200010

Meter



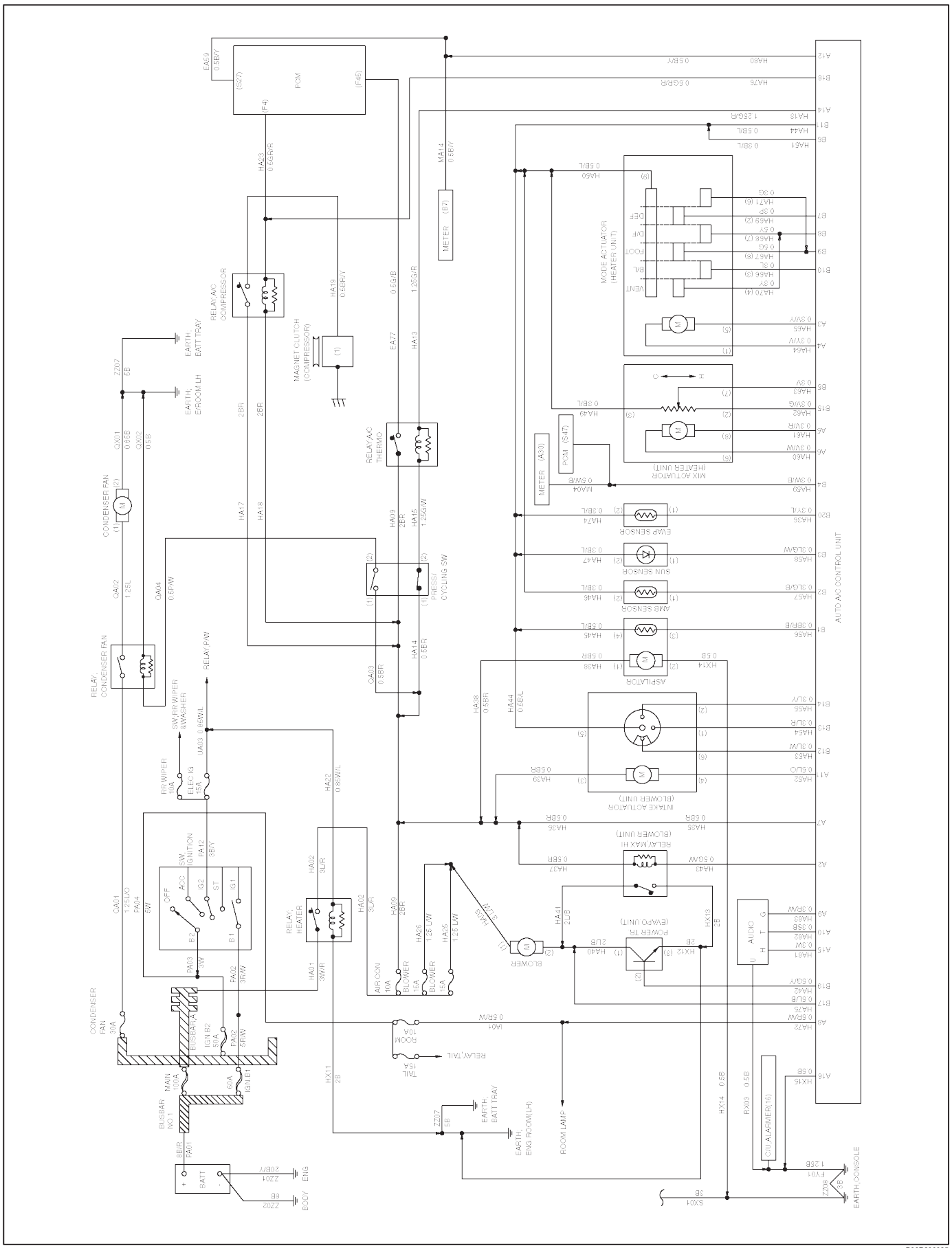
D08R200007

Anti-theft with Keyless Entry



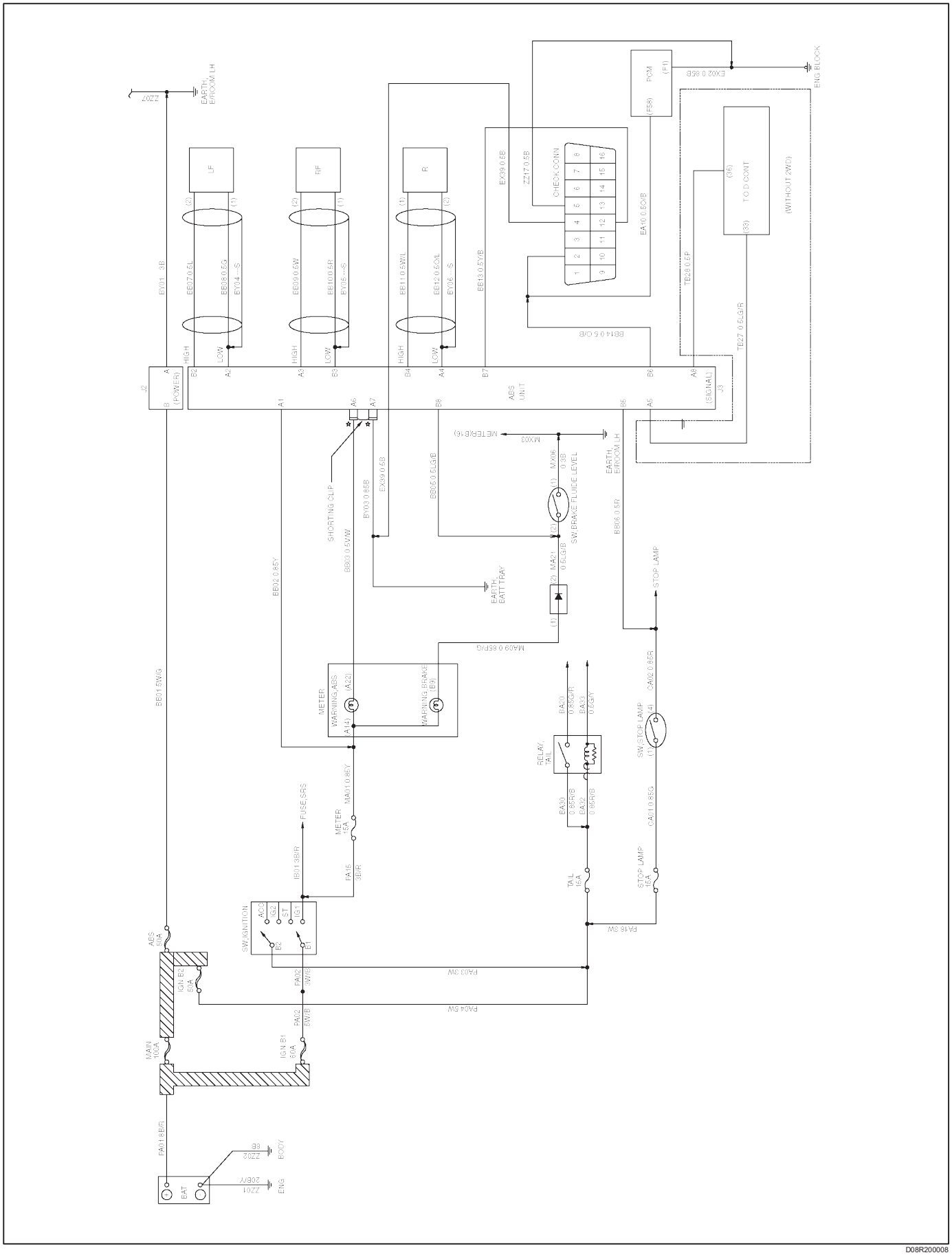
D08R200049

Air Conditioning



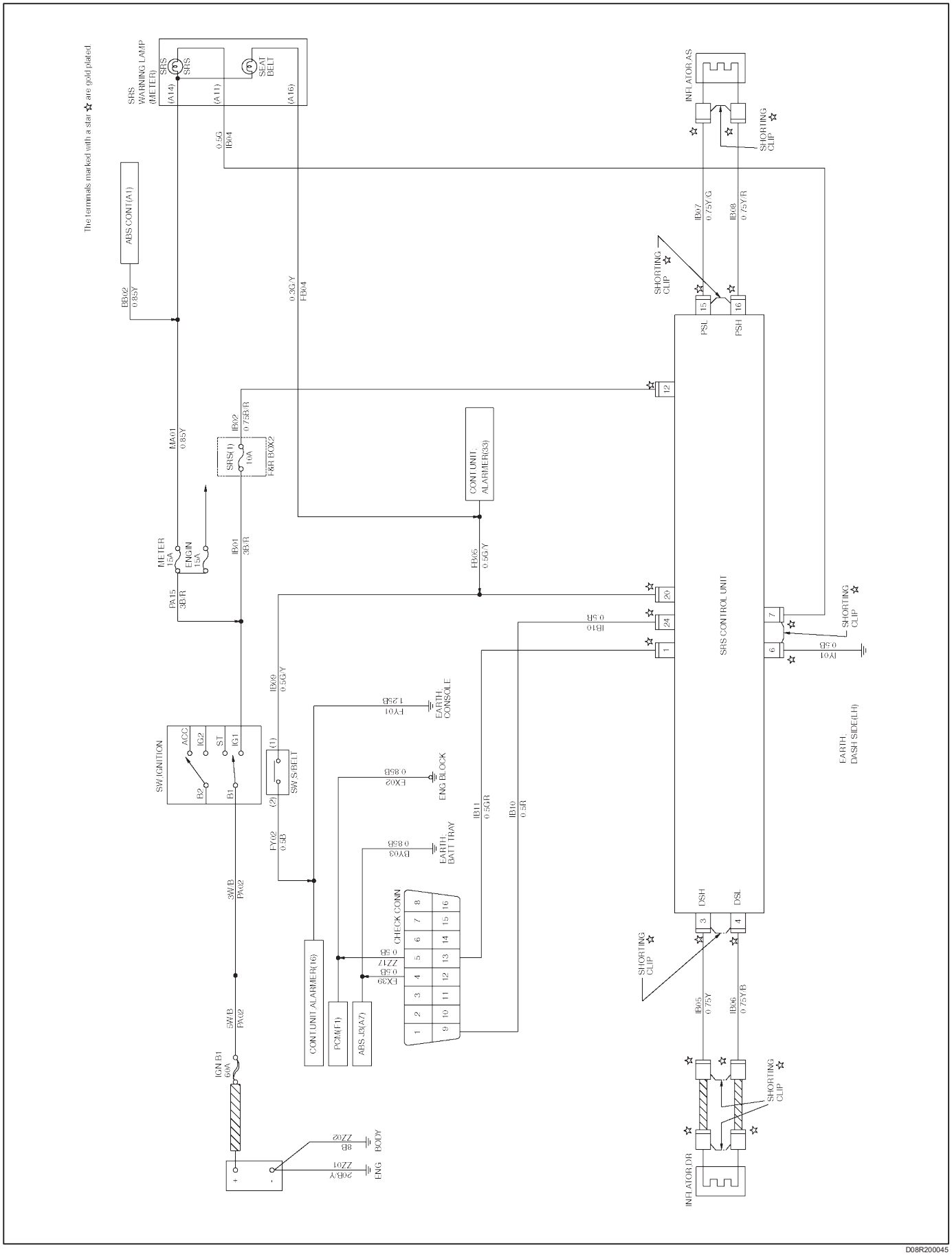
D08R200025

ABS



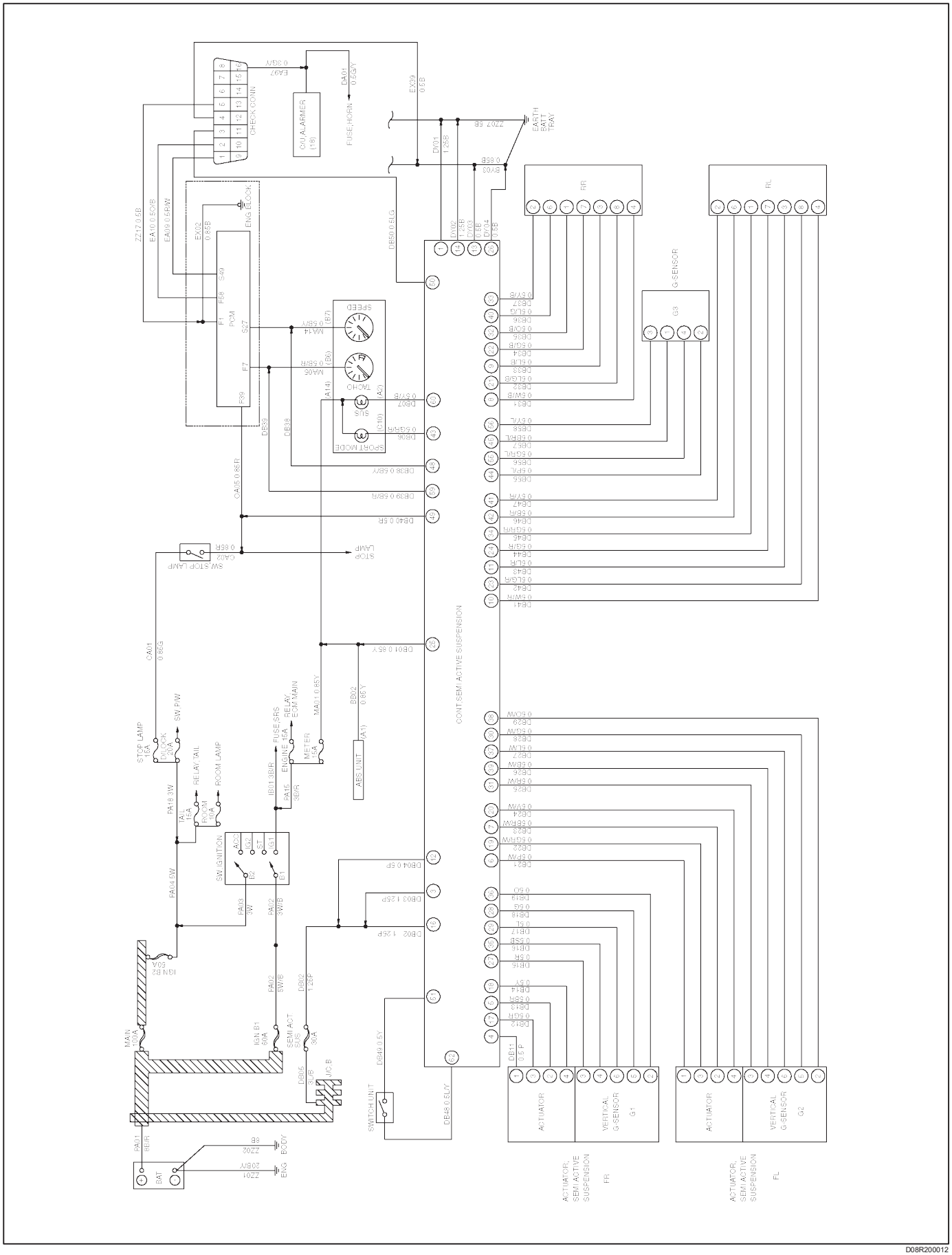
D08R200008

SRS–Air Bag



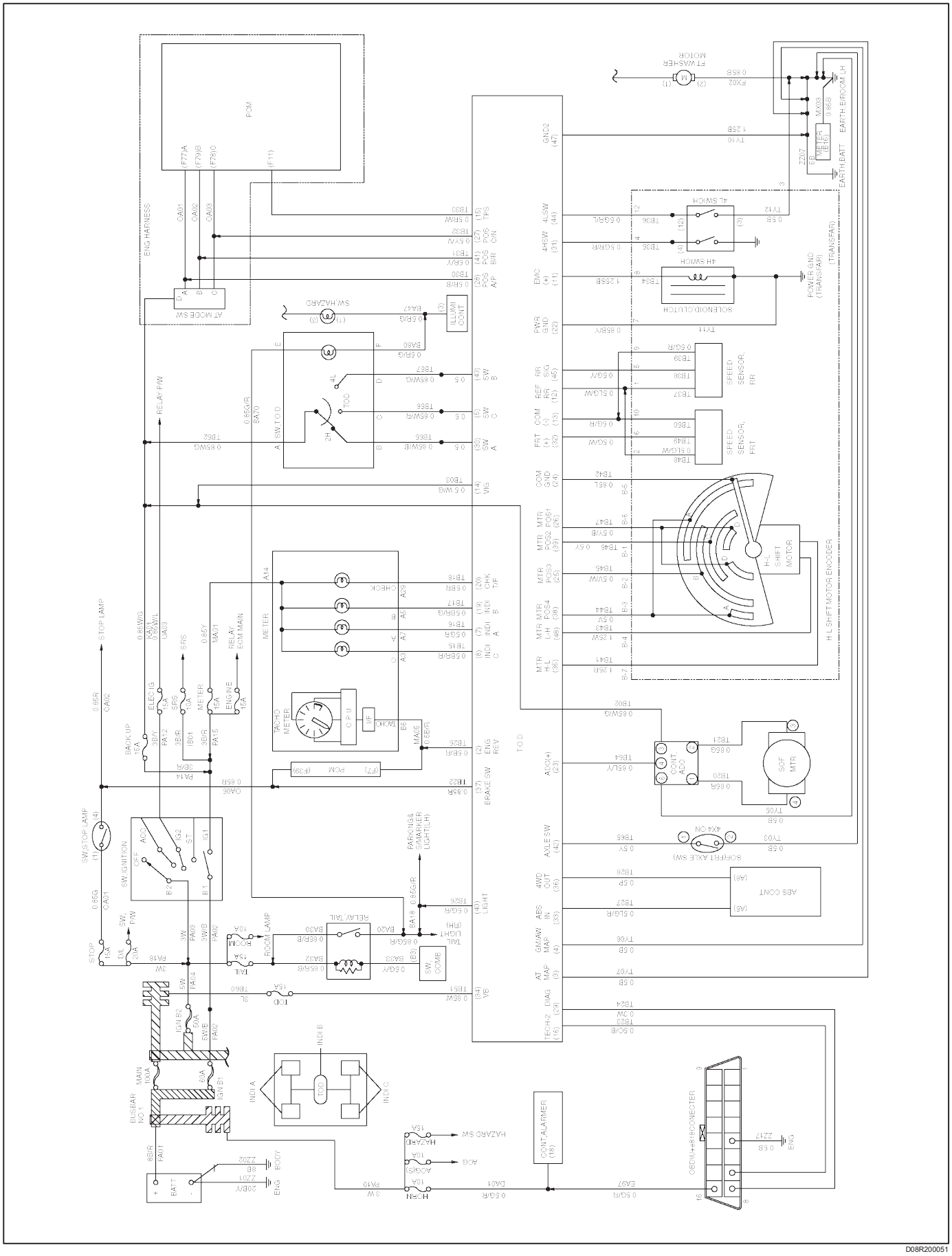
D08R200045

Intelligent Suspension

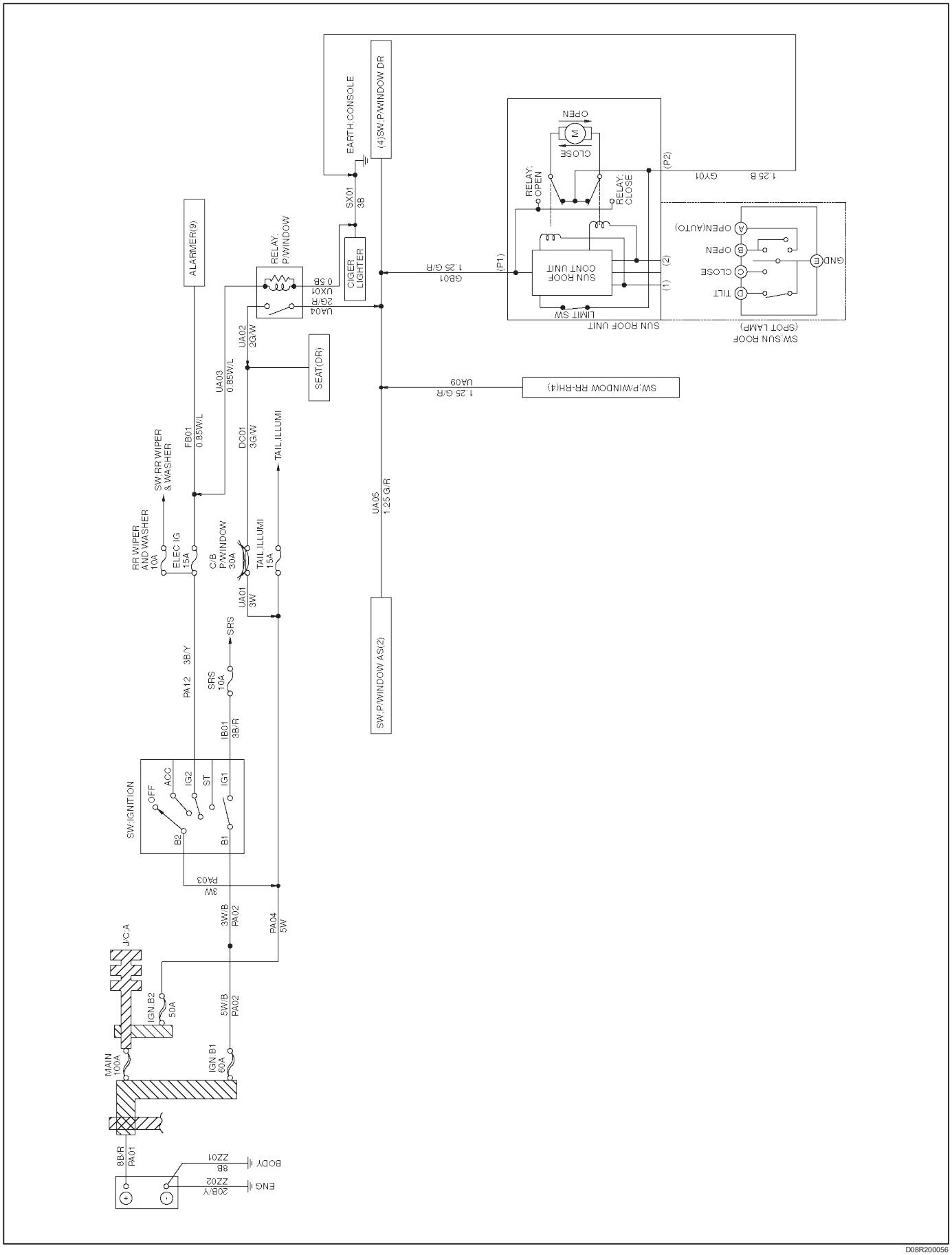


D08R200012

T.O.D

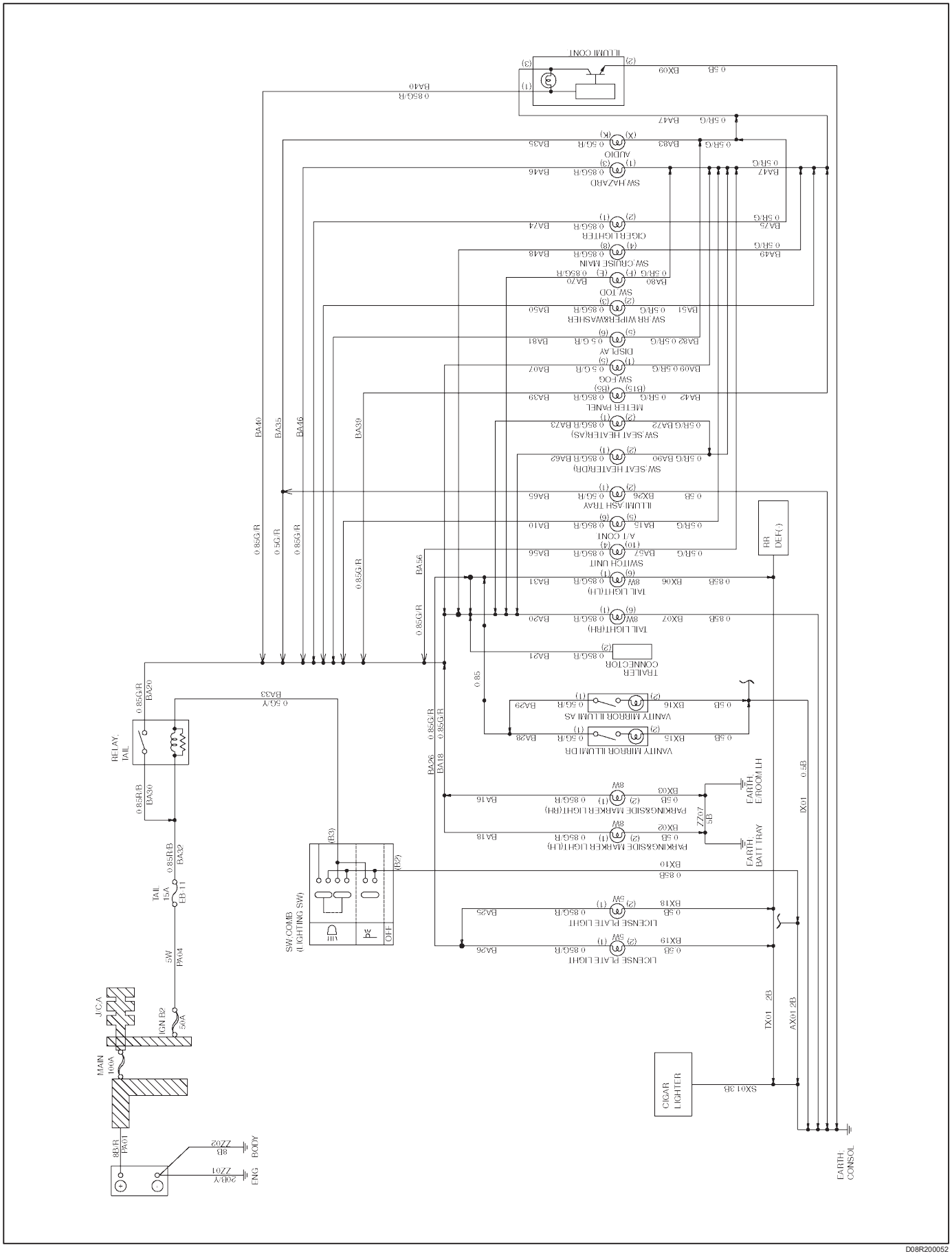

PCM
ENG HARNESS
AT MODE SW
SW HAZARD
ILLUMI CONT
RELAY P/W
SW T.O.D
T.O.D
METER
TACHO METER
C P U
I/F
SPEED SENSOR FRT
SPEED SENSOR RR
SOLENOID CLUTCH
4H SWICH
4L SWICH
H-L SHIFT MOTOR
H-L SHIFT MOTOR ENCODER
F/WASHER MOTOR
EARTH E/ROOM-LH
EARTH BATT
POWER GND (TRANSFAR)
SOFT/DIFF AXLE SW
4X4 ON
ABS CONT
SOF MTR
CONT ASSY
STOP LAMP
SW IGNITION
SW STOP LAMP
BACK UP
ELEC-IG
SRS
METER
ENGINE
RELAY ECM MAIN
PARKING & SMARKER LIGHT(LH)
RELAY TAIL
ROOM LAMP
TAIL
SW COMB
IGN B2
IGN B1
BUSBAR No.2
MAIN
BATT
BODY
ENG
INDI A
INDI B
INDI C
HAZARD SW
HORN
CONT ALARMER
OBD(J+B)CONNECTER
ZZ17
D08R200051

Sunroof



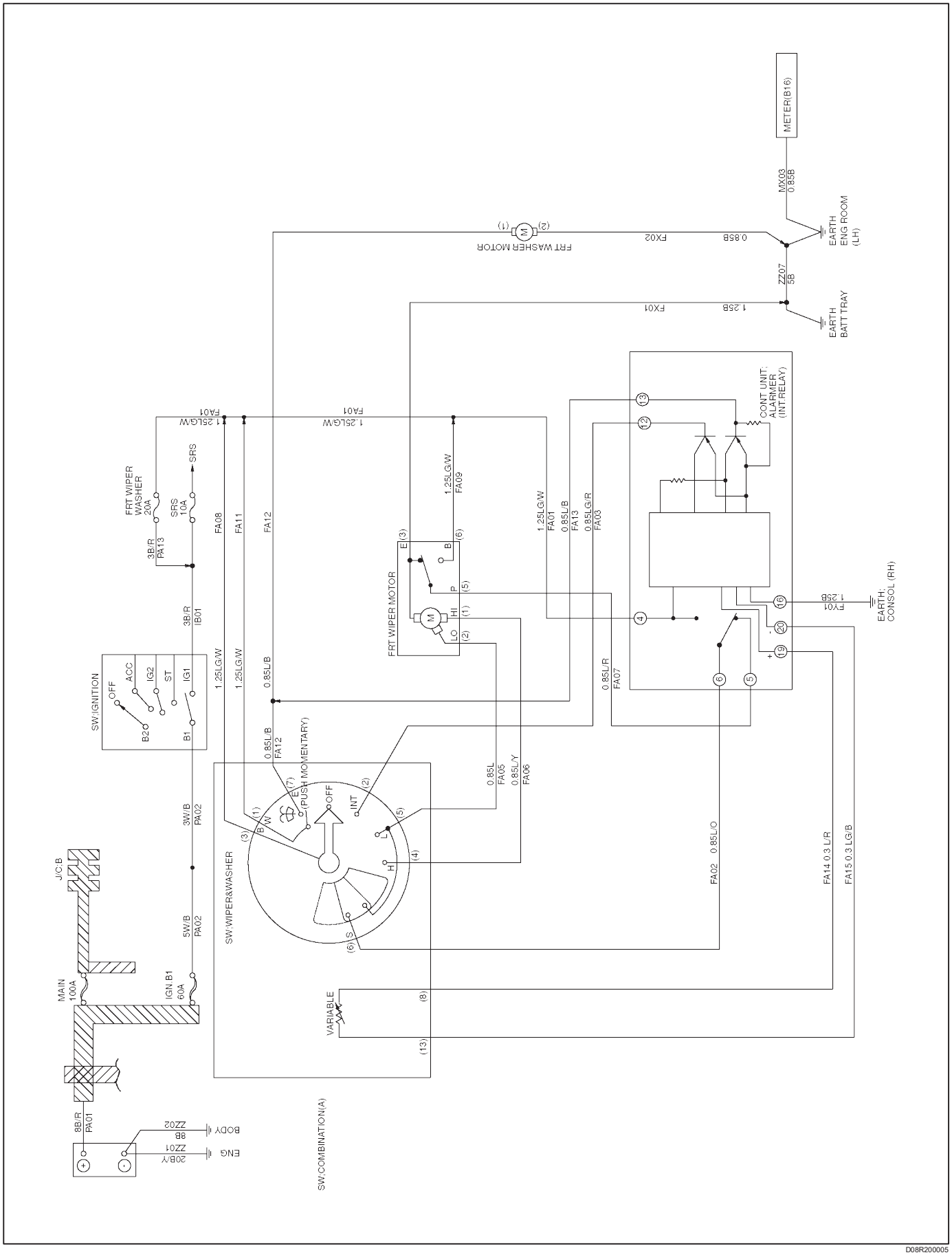
D08R200056

Illumination Light



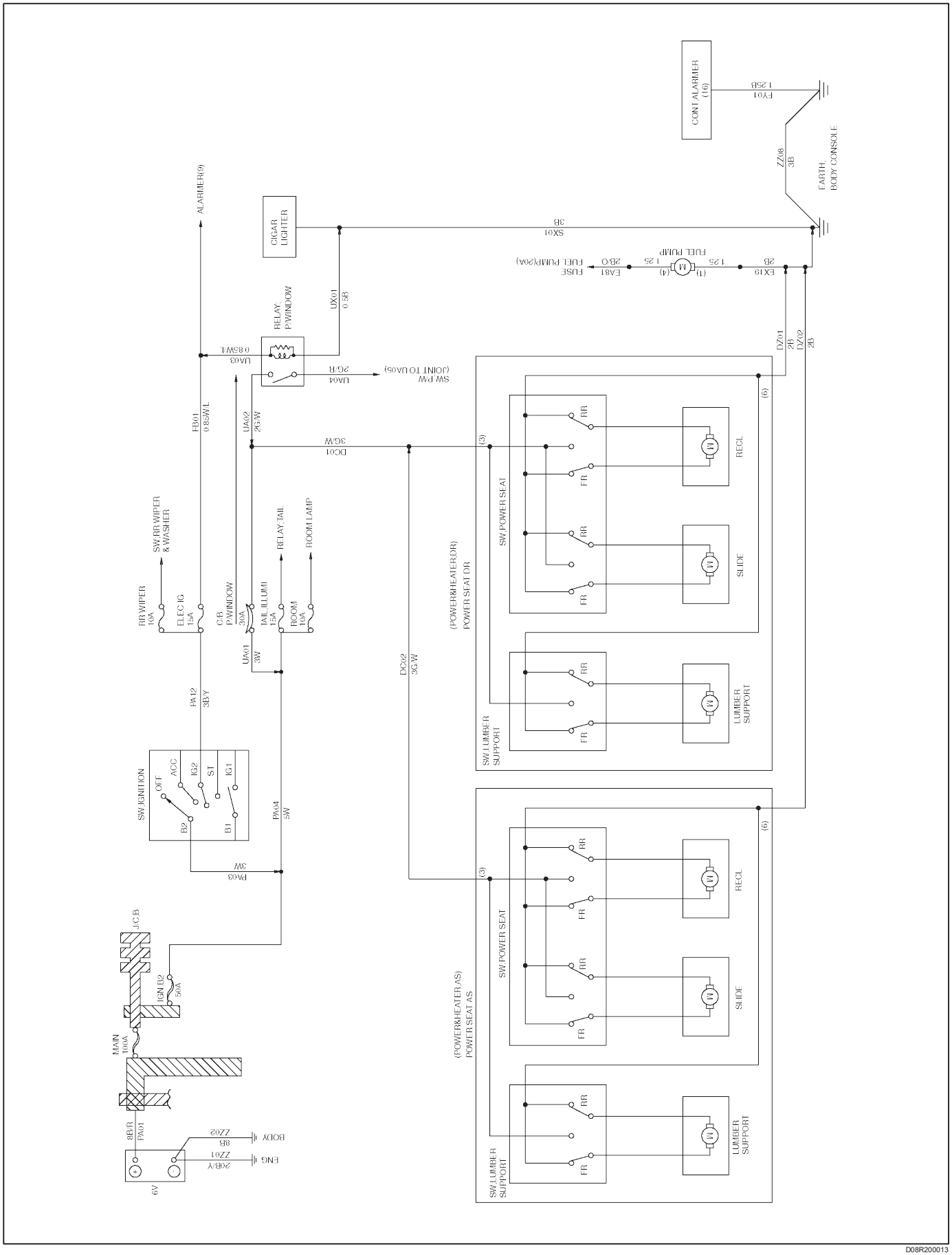
D08R200052

Windshield Wiper and Washer



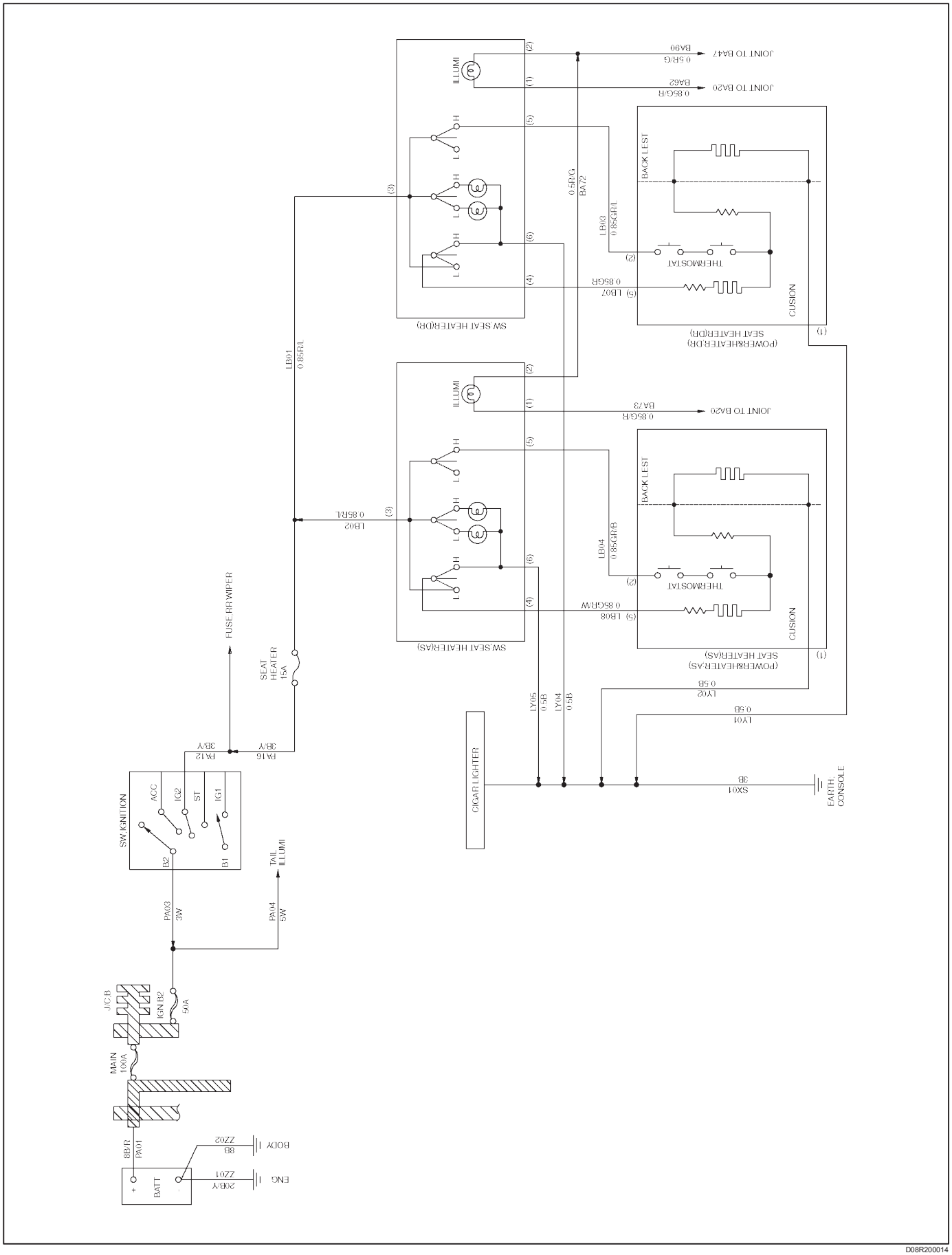
D08R200005

Power Seat



D08R200013

Seat Heater



D08R200014

AXIOM

BODY AND ACCESSORIES

METER AND GAUGE

CONTENTS

Service Precaution 8E–1
General Description 8E–1
Meter Assembly 8E–2
General Description 8E–2
Layout for Meters/Gauges, Warning Lights, Indicator Lights and Illumination Lights . . . 8E–2
Table for Meter/Gauge Connector Terminal Connections 8E–4
Removal 8E–6
Installation 8E–6
Warning Light Bulb and Indicator Light Bulb . 8E–6
Removal 8E–6
Installation 8E–6
A/T Shift Indicator Light Bulb 8E–7
Removal 8E–7
Installation 8E–8
Vehicle Speed Sensor 8E–9
Removal 8E–9
Installation 8E–9
Fuel Tank Unit 8E–9
Removal 8E–9
Main Data and Specifications 8E–10

Service Precaution

WARNING: THIS VEHICLE HAS A SUPPLEMENTAL RESTRAINT SYSTEM (SRS). REFER TO THE SRS COMPONENT AND WIRING LOCATION VIEW IN ORDER TO DETERMINE WHETHER YOU ARE PERFORMING SERVICE ON OR NEAR THE SRS COMPONENTS OR THE SRS WIRING. WHEN YOU ARE PERFORMING SERVICE ON OR NEAR THE SRS COMPONENTS OR THE SRS WIRING, REFER TO THE SRS SERVICE INFORMATION. FAILURE TO FOLLOW WARNINGS COULD RESULT IN POSSIBLE AIR BAG DEPLOYMENT, PERSONAL INJURY, OR OTHERWISE UNNEEDED SRS SYSTEM REPAIRS.

CAUTION: Always use the correct fastener in the proper location. When you replace a fastener, use ONLY the exact part number for that application. ISUZU will call out those fasteners that require a replacement after removal. ISUZU will also call out the fasteners that require thread lockers or thread sealant. UNLESS OTHERWISE SPECIFIED, do not use supplemental coatings (Paints, greases, or other corrosion inhibitors) on threaded fasteners or fastener joint interfaces. Generally, such coatings adversely affect the fastener torque and the joint clamping force, and may damage the fastener. When you install fasteners, use the correct tightening sequence and specifications. Following these instructions can help you avoid damage to parts and systems.

General Description

The circuit consists of the starter switch, meter assembly, vehicle speed sensor, transmission switch, lighting switch, turn signal switch, thermo unit, oil pressure unit, Powertrain Control Module (PCM), fuel tank unit, 4WD switch, oil pressure switch, parking brake switch, brake fluid switch, seat belt switch, illumination controller, meter and ambient sensor.

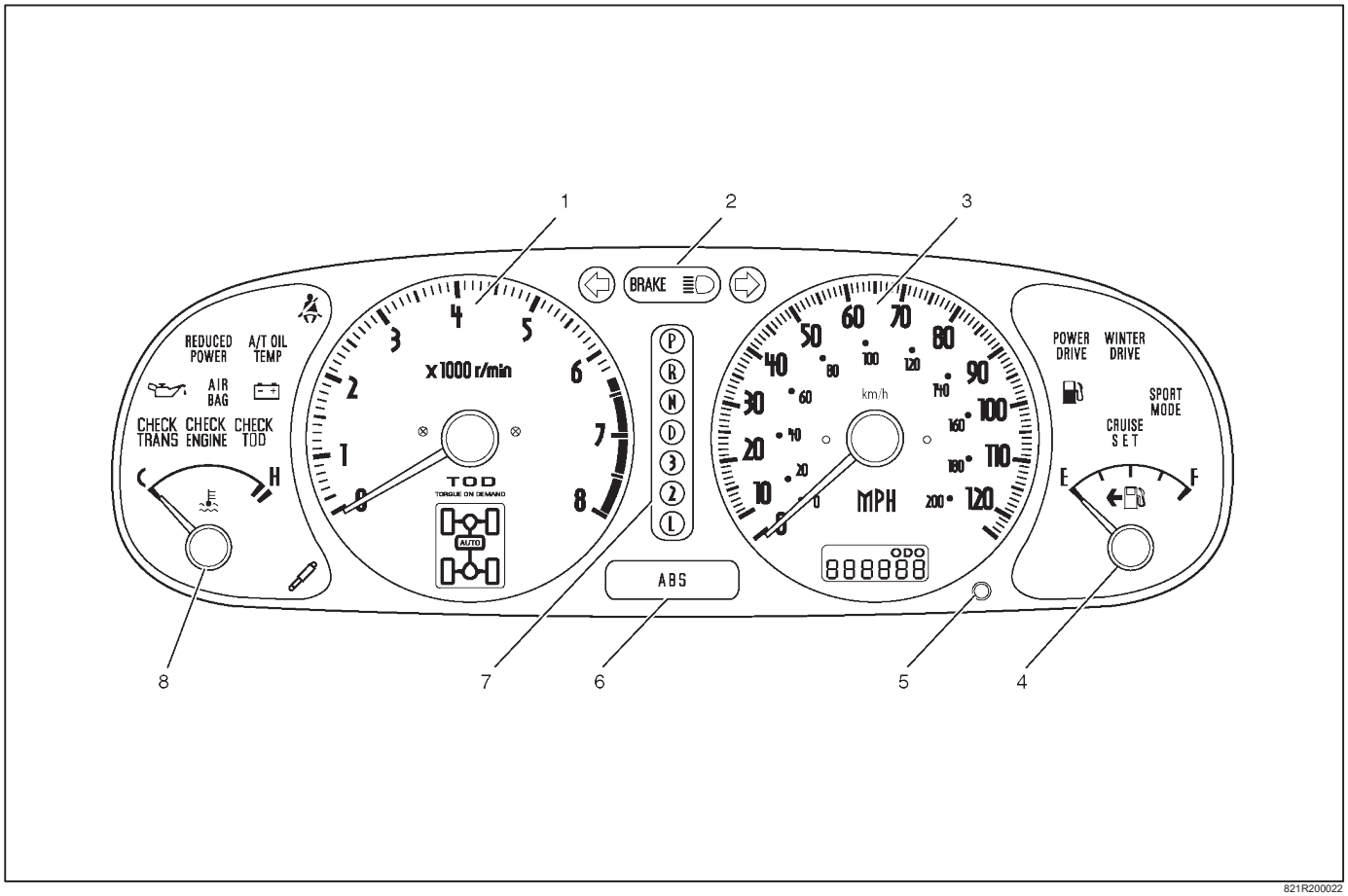
Meter Assembly

General Description

The meter assembly has the speedometer, tachometer, engine coolant temperature gauge, fuel gauge and warning/indicator lights.

Layout for Meters/Gauges, Warning Lights, Indicator Lights and Illumination Lights

Front View

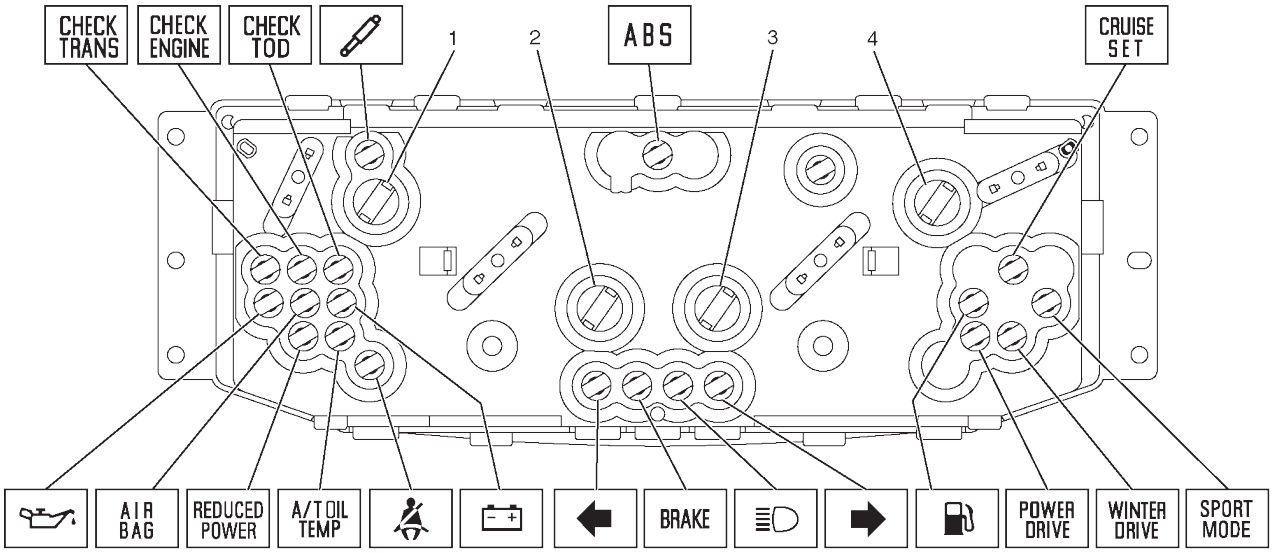


821R200022

Legend

(1) Tachometer
(2) Warning Light Lens
(3) Speedometer
(4) Fuel Gauge
(5) Reset Button
(6) Warning Light Lens
(7) A/T Shift Indicator
(8) Engine Coolant Temperature Gauge

Rear View

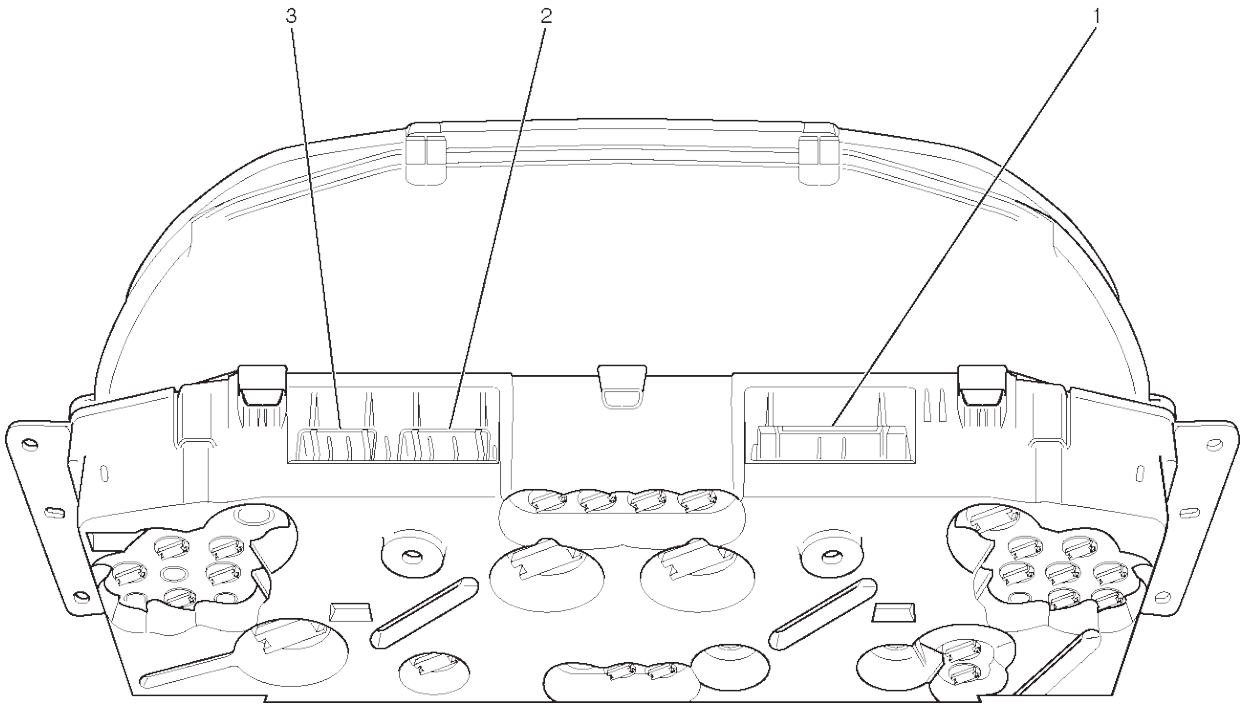


821R200018

Legend

(1) Illumination Light Bulb
(2) Illumination Light Bulb
(3) Illumination Light Bulb
(4) Illumination Light Bulb

Table for Meter/Gauge Connector Terminal Connections



821RY00053

Legend

(1) Connector A
(2) Connector B
(3) Connector C

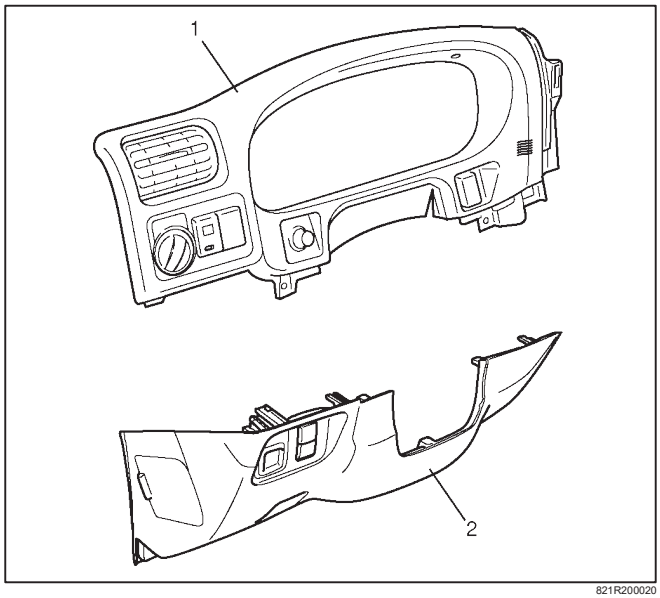
Connector A	
Terminal	**Function**
1	—
2	Intelligent suspension indicator light
3	TOD indicator light “Rear”
4	—
5	TOD indicator light “AUTO”
6	—
7	TOD indicator light “Front”
8	A/T shift indicator light “3”
9	A/T shift indicator light “D”
10	A/T shift indicator light “2”
11	SRS – air bag warning light
12	Ground
13	Battery
14	Stater switch
15	A/T oil temperature warning light
16	Seat belt indicator light
17	Charge warning light
18	—
19	—
20	—
21	A/T shift indicator light “L”
22	ABS warning light
23	—
24	—
25	Reduced power warning light
26	Oil pressure warning light
27	Check trans warning light
28	MIL(check engine) warning light
29	Check TOD
30	Engine coolant temperature gauge

Connector B	
Terminal	**Function**
1	A/T shift indicator light “R”
2	A/T shift indicator light
3	A/T shift indicator light “N”
4	A/T shift indicator light “P”
5	Illumination light
6	Engine revolution pulse
7	Speed sensor pulse
8	Turn signal indicator light (LH)
9	Brake warning light
10	High beam indicator light (+)
11	High beam indicator light (–)
12	Turn signal indicator light (RH)
13	Turn signal indicator light
14	—
15	Illumination light
16	Ground

Connector C	
Terminal	**Function**
1	Starter switch
2	—
3	Fuel gauge
4	Low fuel warning light
5	Cruise set indicator light
6	—
7	—
8	—
9	—
10	Sport mode indicator light
11	—
12	Winter drive indicator light
13	Power drive indicator light
14	—

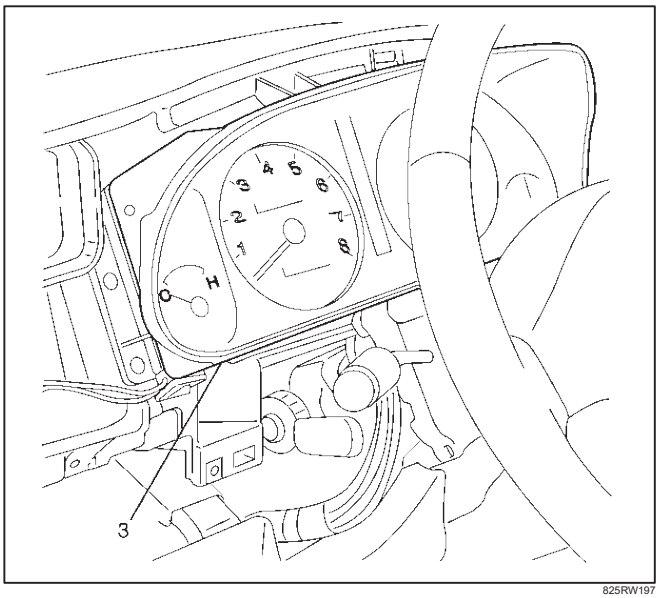
Removal

1. Disconnect the battery ground cable.
2. Remove the Dash Side Trim Panel –LH.
3. Remove the lower cover Assembly(2).
   - Refer to *Instrument Panel Assembly in Body Structure* section.
4. Remove the meter cluster Assembly(1).
   - Refer to *Instrument Panel Assembly in Body Structure* section.



821R200020

5. Remove the meter assembly(3).
   - Remove four fixing screws.
   - Disconnect the meter connectors.



825RW197

CAUTION: The removed meter assembly should be placed upright or with its face side up.

Installation

To install, follow the removal steps in the reverse order.

Warning Light Bulb and Indicator Light Bulb

Removal

1. Disconnect the battery ground cable.
2. Remove the meter assembly.
   - Refer to *Meter Assembly* in this section.
3. Remove the bulb.
   - Hold the bulb socket by hand, rotate it counterclockwise and pull it out.

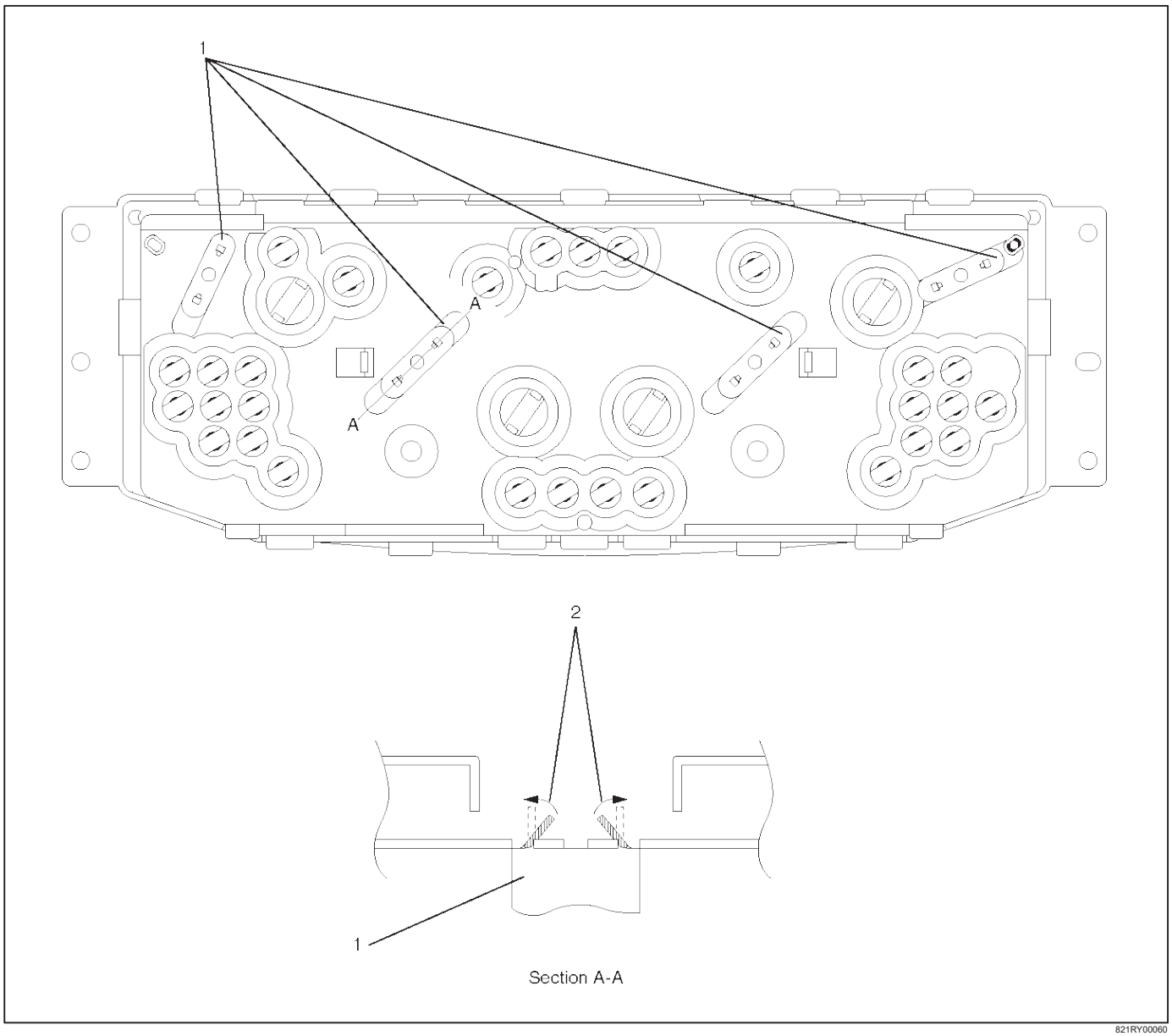
Installation

To install, follow the removal steps in the reverse order.

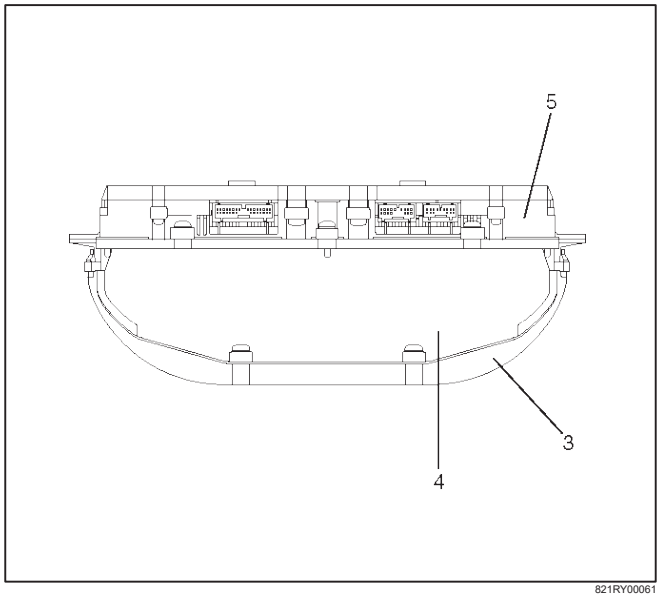
A/T Shift Indicator Light Bulb

Removal

1. Disconnect the battery ground cable.
2. Pry up the bended portions(2) of the metal cover(1).

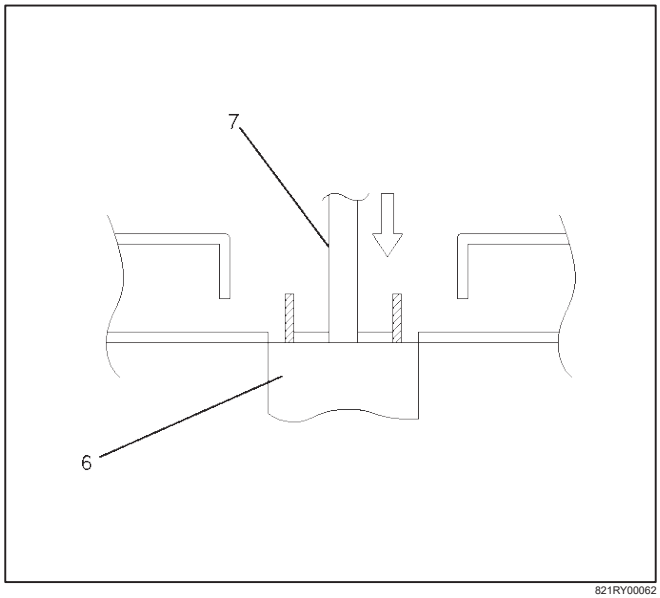


3. Remove the meter lense(3) from the meter visor(4).
4. Remove the meter visor from the meter case(5).



821RY00061

5. Remove the meter assembly.
   - Push the metal cover(6) with the screw driver(7).



821RY00062

6. Remove the meter rear cover.
7. Remove the meter circuit board.
8. Remove the A/T shift indicator bulb.

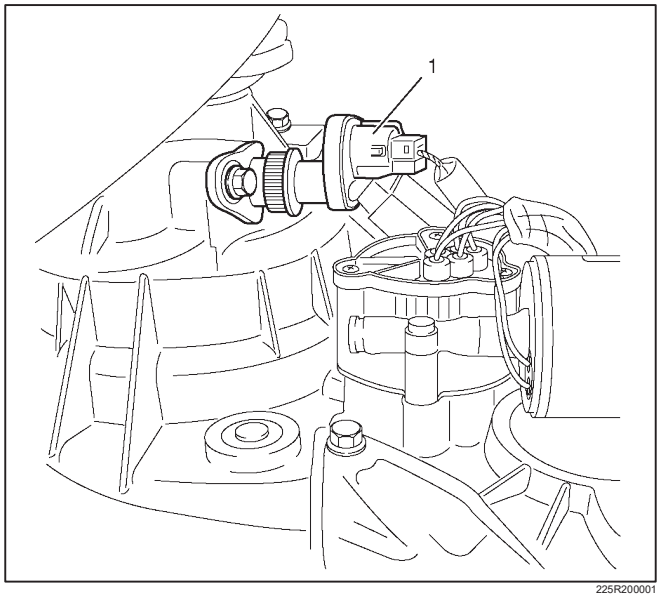
Installation

To install, follow the removal steps in the reverse order.

Vehicle Speed Sensor

Removal

1. Disconnect the battery ground cable.
2. Remove the vehicle speed sensor(1).
   - Disconnect the connector.
   - Rotate the sensor counterclockwise.



Installation

To install, follow the removal steps in the reverse order, noting the following point.

1. Tighten the vehicle speed sensor to the specified torque.

   Torque: 25 N·m (18 lb ft)

Fuel Tank Unit

Removal

Refer to *Engine Fuel* section.

Main Data and Specifications

Torque Specifications

Application	N·m	Lb Ft	Lb In
Vehicle Speed Sensor Fixing	27	20	—

AXIOM

BODY AND ACCESSORIES

BODY STRUCTURE

CONTENTS

Service Precaution 8F–2
Frame 8F–2
General Description 8F–2
Frame Dimensions 8F–3
General Description (Bumper) 8F–4
Front Bumper 8F–4
Parts Location 8F–4
Removal 8F–5
Installation 8F–6
Rear Bumper 8F–7
Parts Location 8F–7
Removal 8F–8
Installation 8F–9
General Description (Sheet Metal) 8F–10
Engine Hood 8F–10
Parts Location 8F–10
Removal 8F–11
Installation 8F–11
Engine Hood Lock 8F–13
Parts Location 8F–13
Removal 8F–13
Installation 8F–14
Front Fender Panel 8F–15
Parts Location 8F–15
Removal 8F–16
Installation 8F–16
Body Mounting 8F–18
Parts Location 8F–18
Tightening Torque 8F–18
Body Dimension 8F–19
Front Section 8F–19
Room Section (Front Side) 8F–22
Room Section (Rear Side) 8F–24
Rear Section 8F–26
Side Body Section (Front side) 8F–28
Side Body Section (Rear side) 8F–30
General Description (Body) 8F–32
Instrument Panel Assembly 8F–32
Parts Location 8F–32
Removal 8F–33
Installation 8F–34
Front Door Assembly 8F–35
Parts Location 8F–35
Removal 8F–35
Installation 8F–36
Rear Door Assembly 8F–37
Parts Location 8F–37
Removal 8F–37
Installation 8F–38
Front Window Regulator, Glass and Glass Run 8F–39
Parts Location 8F–39
Removal 8F–40
Installation 8F–41
Rear Window Regulator, Glass and Glass Run 8F–42
Parts Location 8F–42
Removal 8F–43
Installation 8F–45
Tailgate 8F–46
Parts Location 8F–46
Removal 8F–47
Installation 8F–48
Spare Tire Hanger 8F–49
Parts Location 8F–49
Removal 8F–50
Installation 8F–50
Windshield 8F–51
Parts Location 8F–51
Removal 8F–51
Installation 8F–52
Rear Quarter Glass 8F–55
Parts Location 8F–55
Removal 8F–55
Installation 8F–56
Tailgate Glass 8F–57
Parts Location 8F–57
Removal 8F–57
Installation 8F–58
Main Data and Specifications 8F–59

Service Precaution

WARNING: THIS VEHICLE HAS A SUPPLEMENTAL RESTRAINT SYSTEM (SRS). REFER TO THE SRS COMPONENT AND WIRING LOCATION VIEW IN ORDER TO DETERMINE WHETHER YOU ARE PERFORMING SERVICE ON OR NEAR THE SRS COMPONENTS OR THE SRS WIRING. WHEN YOU ARE PERFORMING SERVICE ON OR NEAR THE SRS COMPONENTS OR THE SRS WIRING, REFER TO THE SRS SERVICE INFORMATION. FAILURE TO FOLLOW WARNINGS COULD RESULT IN POSSIBLE AIR BAG DEPLOYMENT, PERSONAL INJURY, OR OTHERWISE UNNEEDED SRS SYSTEM REPAIRS.

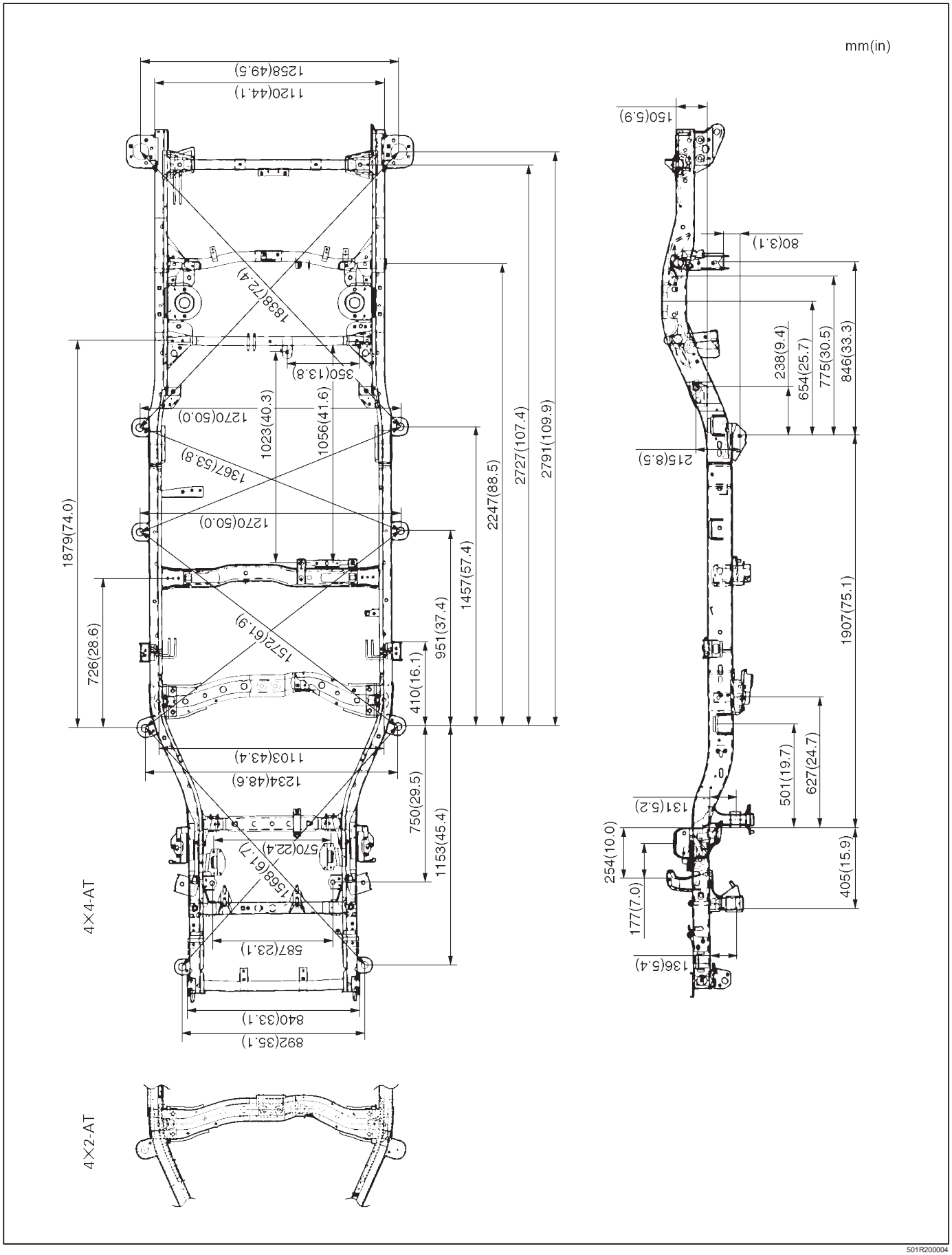
CAUTION: Always use the correct fastener in the proper location. When you replace a fastener, use ONLY the exact part number for that application. ISUZU will call out those fasteners that require a replacement after removal. ISUZU will also call out the fasteners that require thread lockers or thread sealant. UNLESS OTHERWISE SPECIFIED, do not use supplemental coatings (Paints, greases, or other corrosion inhibitors) on threaded fasteners or fastener joint interfaces. Generally, such coatings adversely affect the fastener torque and the joint clamping force, and may damage the fastener. When you install fasteners, use the correct tightening sequence and specifications. Following these instructions can help you avoid damage to parts and systems.

Frame

General Description

Proper frame alignment is important to assure normal vehicle life and performance of many other parts of the vehicle. If the vehicle has been involved in a fire, collision or has been overloaded, it is necessary to check the frame alignment.

Frame Dimensions



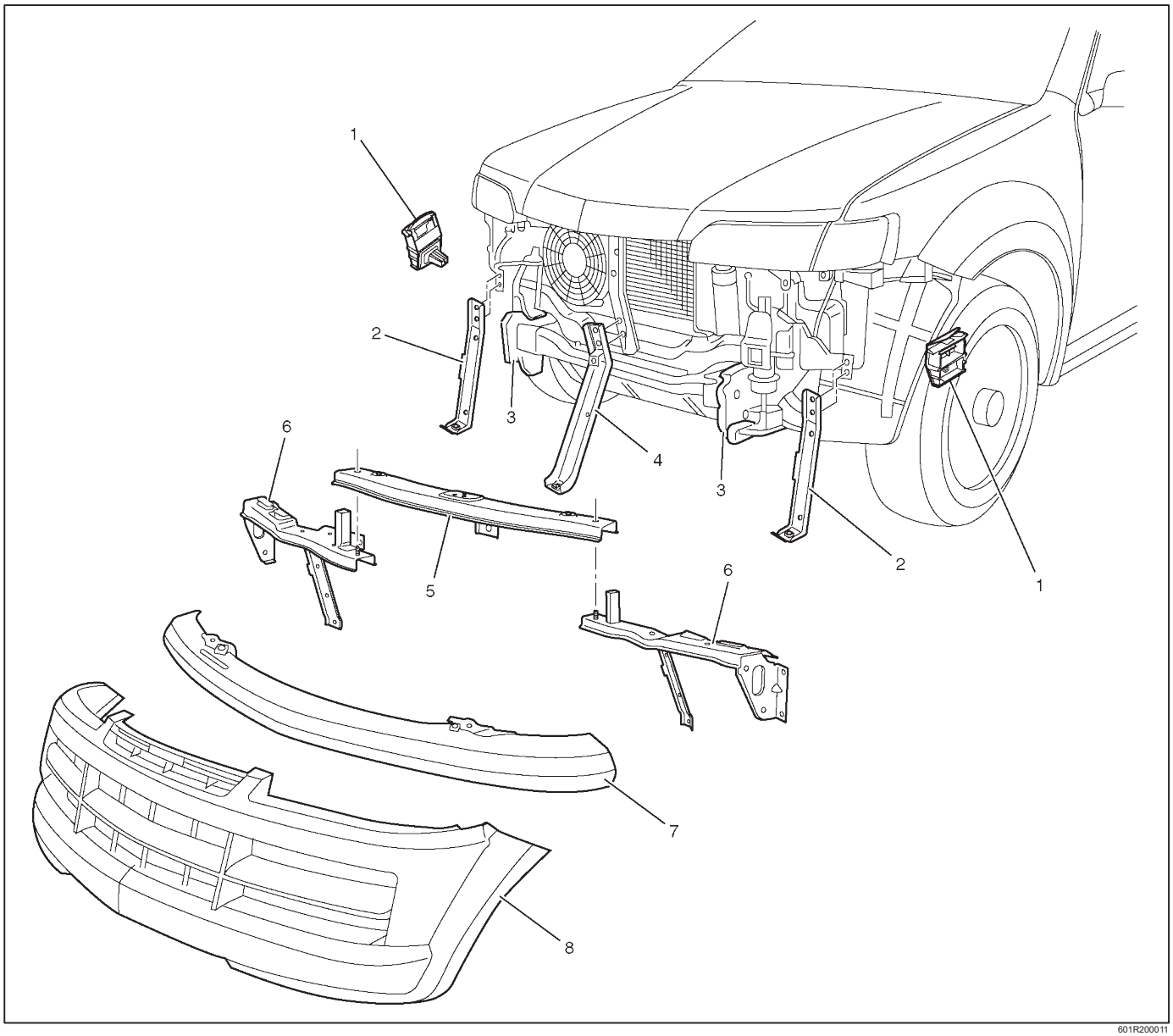
501R200004

General Description (Bumper)

Front and rear bumpers consist of bumper fascia, support, and reinforcement.
The absorbing capability for both front and rear bumper systems are achieved through reinforcements in each bumper.

Front Bumper

Parts Location



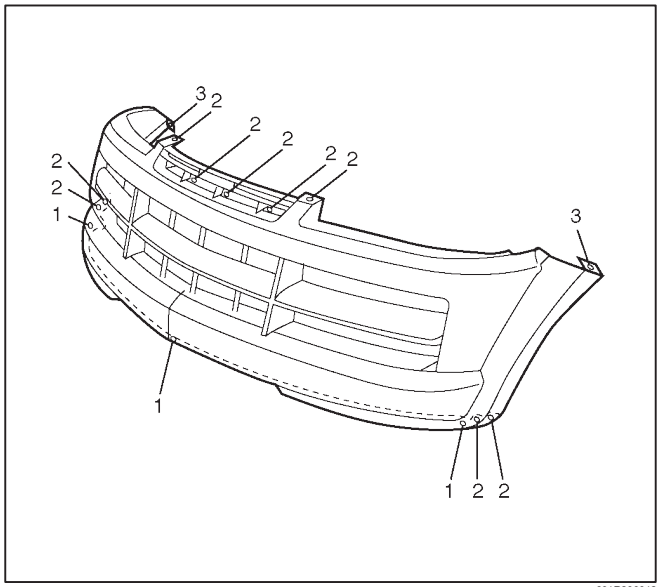
601R200011

Legend

(1) Front Bumper Mounting
(2) Front Bumper Side Bracket
(3) Front Bumper Back Bar Assembly
(4) Front Bumper Center Bracket
(5) Front Bumper Center Retainer
(6) Front Bumper Side Retainer
(7) Front Bumper Reinforcement Assembly
(8) Front Bumper Fascia

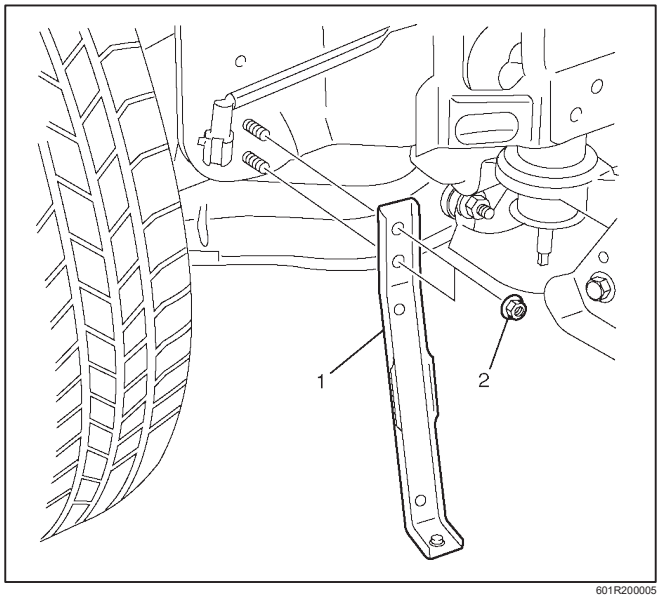
Removal

1. Disconnect the battery ground cable.
2. Remove the front bumper fascia.
   - Remove the nine clips (2), the three bolts (1) and two screws (3).



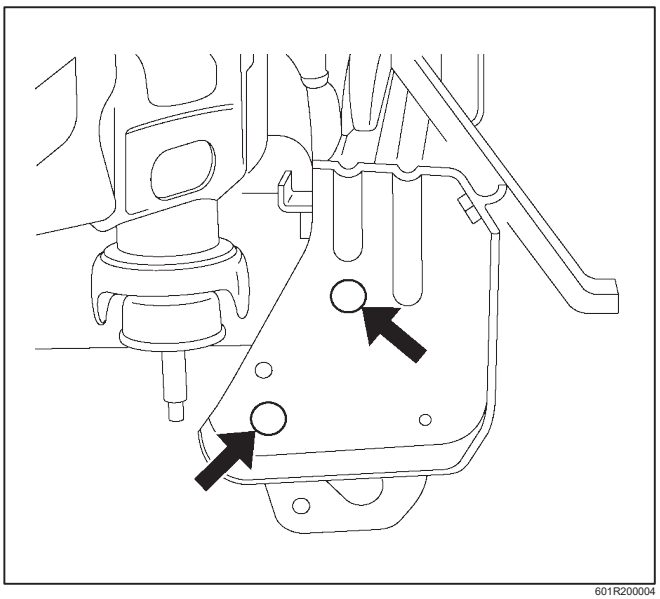
601R200012

3. Remove the front bumper center retainer.
   - Remove the two nuts and the bolt.
4. Remove the front bumper sides's retainers.
   - Remove the four nuts and the bolt from both sides.
5. Remove the front bumper reinforcement assembly.
   - Remove the four bolts.
6. Remove the front bumper center bracket.
   - Remove the two bolts.
7. Remove the front bumper sides's brackets (1).
   - Remove the two nuts (2) from both sides.

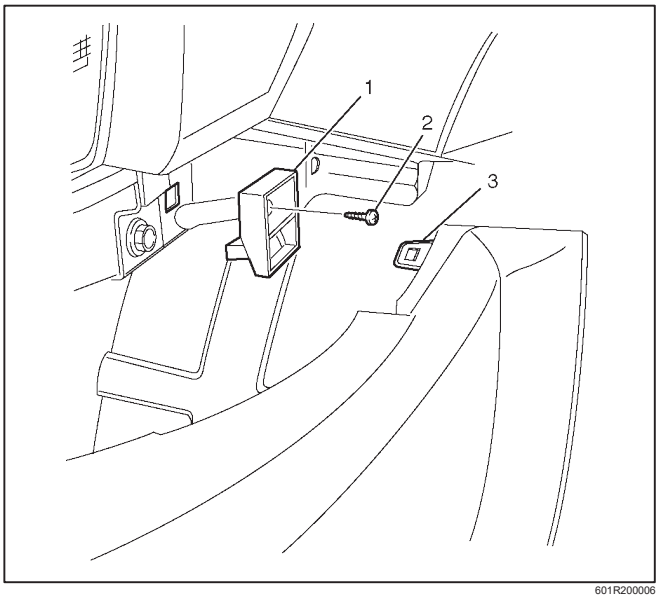


601R200005

8. Remove the front bumper back bar assembly.
   - Remove the two bolts from both sides of the front bumper.


601R200004

9. Remove the front bumper mounting (1).
   - Remove the screw (2) from both sides.



601R200006

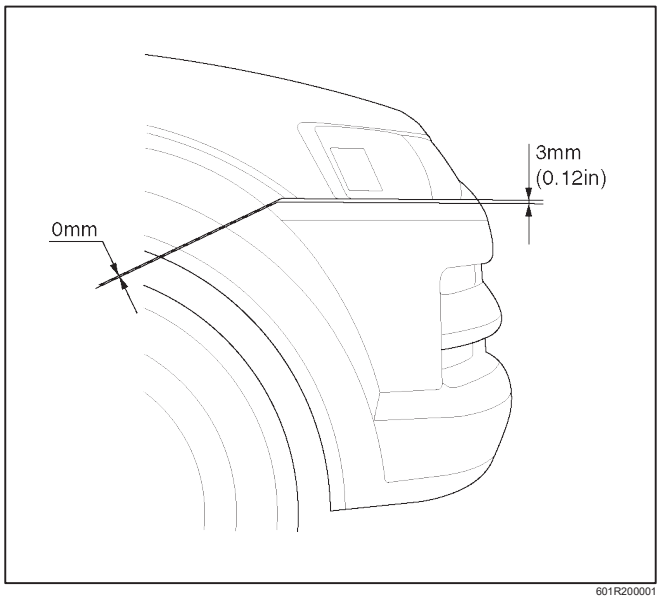
Installation

To install, follow the removal steps in reverse order noting the following points:

1. Tight the front bumper back bar assembly fixing bolts to the specified torque.

   Torque : 147 N·m (108 lb ft)

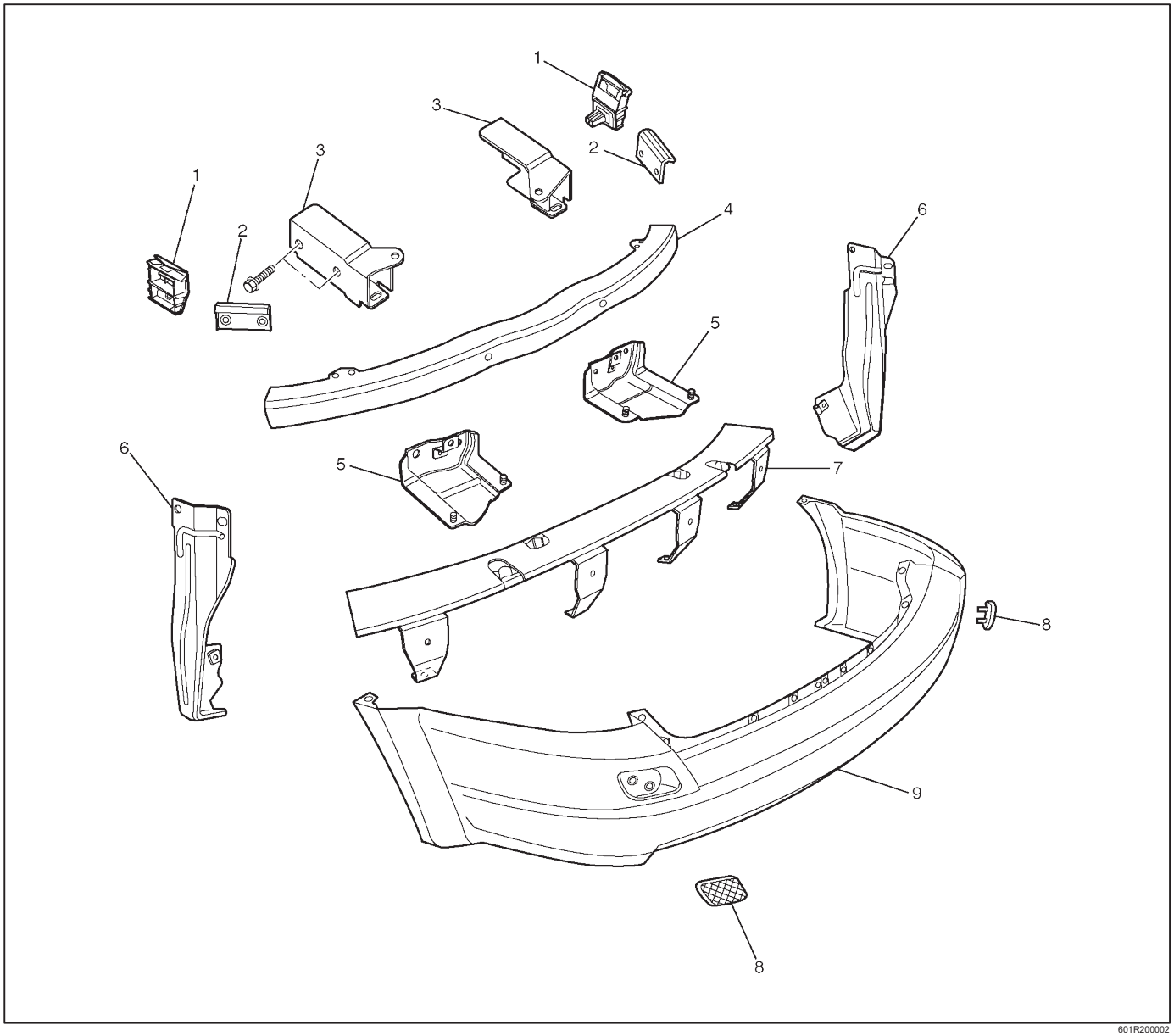
2. Front bumper adjustment.
   - When the bolts fixing front bumper assembly are tightened, adjustment should be made between the back bar and front side bumper so that there is a clearance of 3 mm (0.12 in) between the top of the bumper and the fender. The angled portion of the bumper must be flush with the fender.



601R200001

Rear Bumper

Parts Location



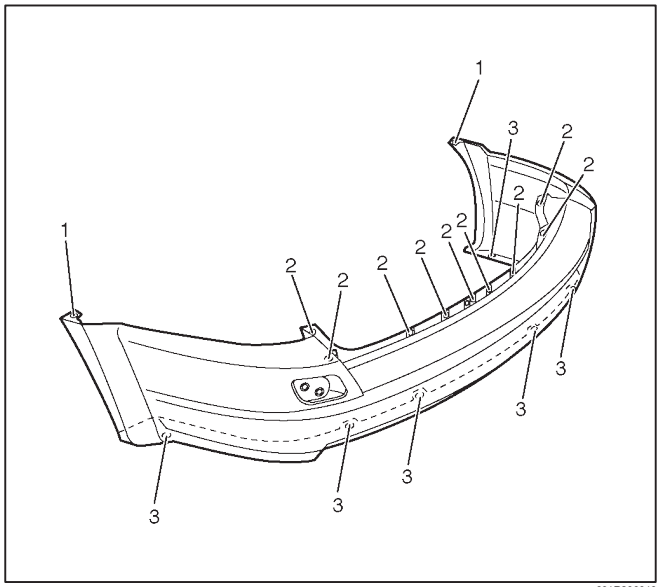
601R200002

Legend

(1) Rear Bumper Mounting
(2) Rear Bumper Side Bracket
(3) Rear Bumper Back Bar Assembly
(4) Rear Bumper Reinforcement Assembly
(5) Rear Bumper Retainer Bracket Assembly
(6) Rear Bumper Support Assembly
(7) Rear Bumper Retainer Assembly
(8) Rear Reflector Assembly
(9) Rear Bumper Fascia

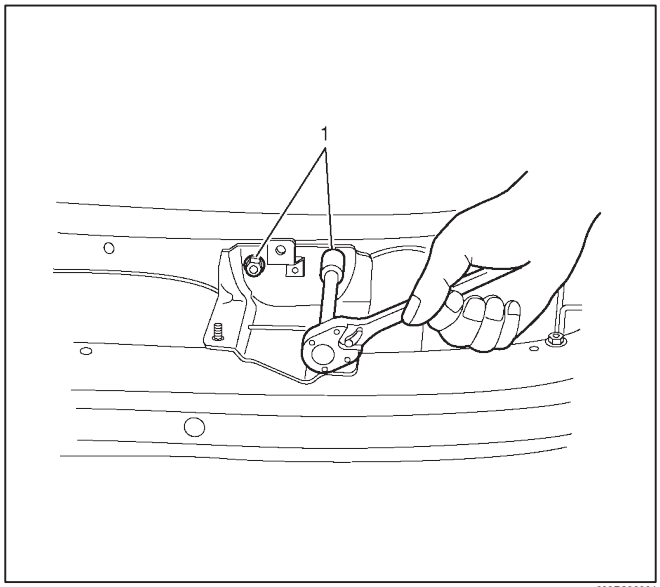
Removal

1. Disconnect the battery ground cable.
2. Remove the rear bumper fascia.
   - Remove the two screws (1), six bolts (3) and nine clips (2).



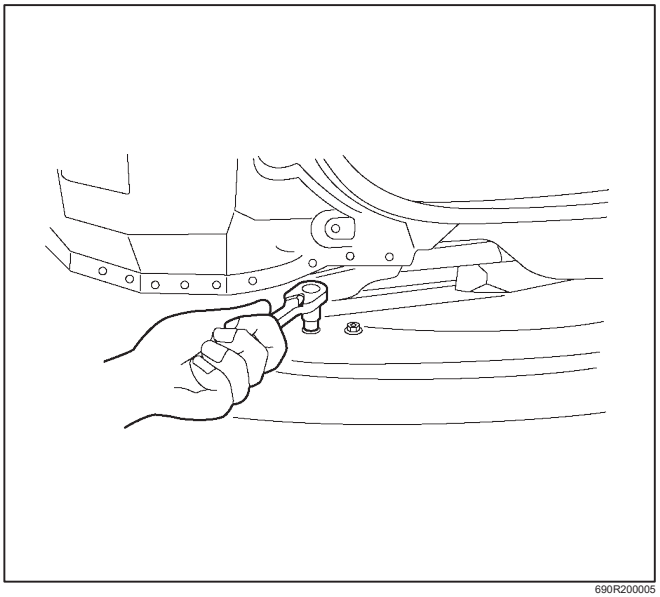
601R200010

3. Remove the rear bumper retainer assembly.
   - Remove the four nuts.
4. Remove the rear bumper retainer bracket assembly.
   - Remove the two nuts (1) from both sides.

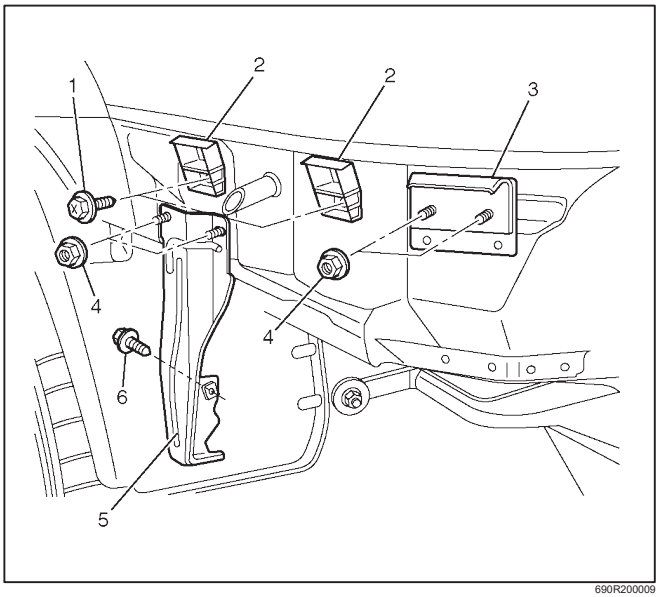


690R200004

5. Remove the rear bumper reinforcement assembly.
   - Remove the six bolts.

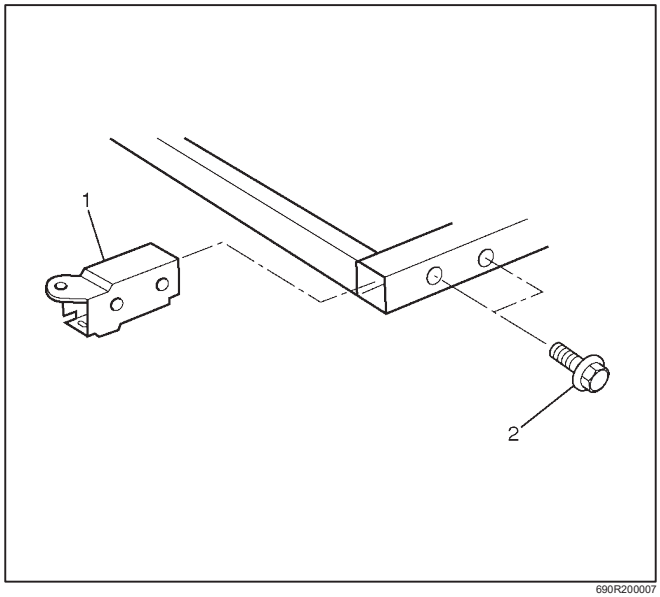

690R200005

6. Remove the rear bumper support assembly (5).
   - Remove the two nuts (4) and the screw (6) from both sides.
7. Remove the rear bumper side bracket (3).
   - Remove the two nuts (4) from both sides.
8. Remove the rear bumper mounting (2).
   - Remove the screw (1) from each sides.



690R200009

9. Remove the rear bumper back bar assembly.
   - Remove the two bolts from both sides.



690R200007

10. Remove the reflector assembly.
    - Remove the two nuts.

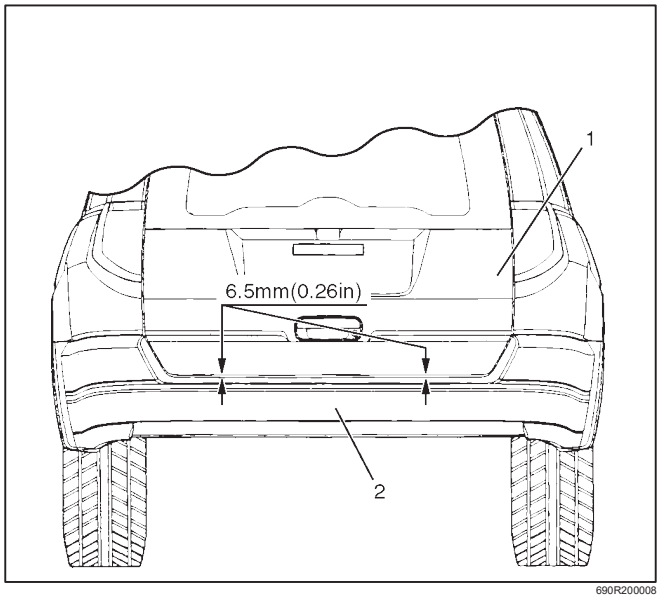
Installation

To install, follow the removal steps in reverse order, noting the following points:

1. Tighten the rear bumper back bar assembly fixing bolts to the specified torque.

   Torque : 147 N·m (108 lb ft)

2. Rear bumper adjustment.
   - When the bolts fixing rear bumper assembly are tightened, adjustment should be made with shims so that clearances shown in the figure below are provided between the body (tailgate) (1) and the rear bumper (2).



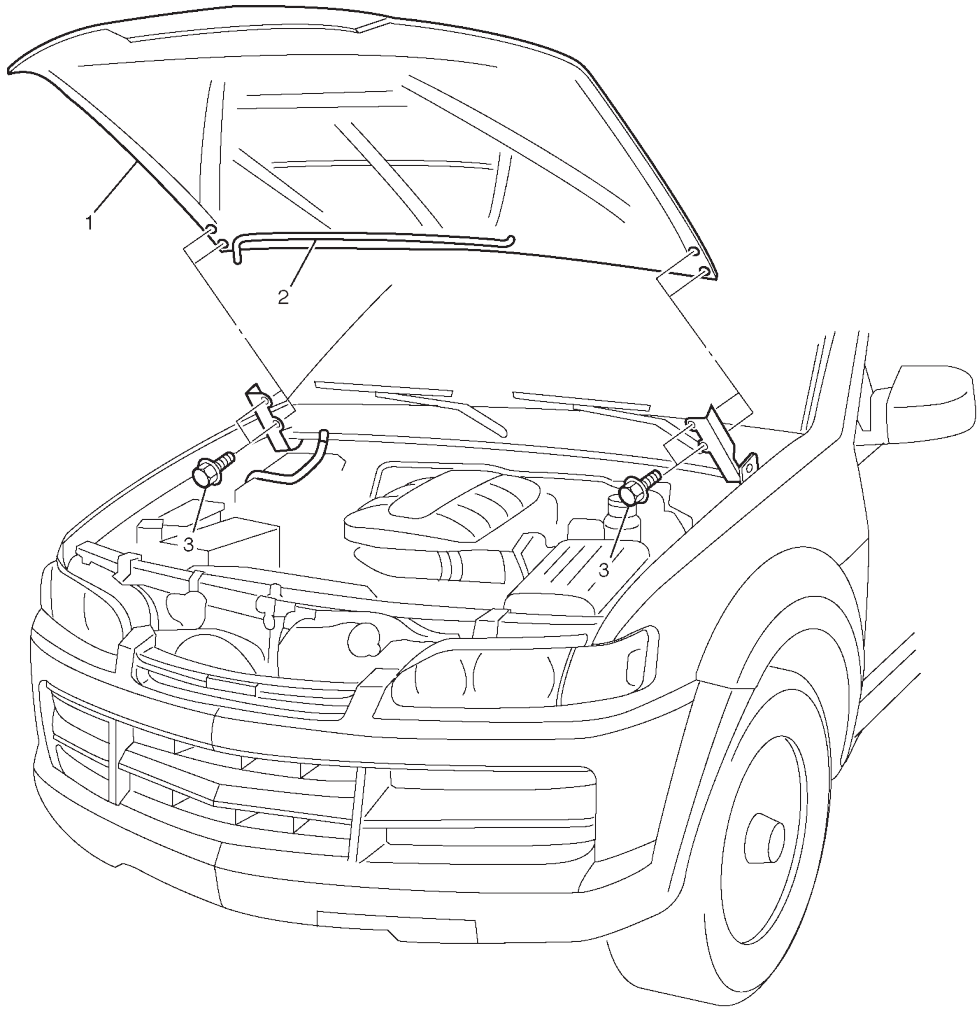
690R200008

General Description (Sheet Metal)

This section includes items of front end sheet metal that are attached by bolts, screws or clips and related accessory components.
Anticorrosion materials have been applied to the interior surfaces of some metal panels to provide rust resistance. When servicing these panels, areas on which this material has been disturbed, should be properly recoated with service–type anticorrosion material.

Engine Hood

Parts Location

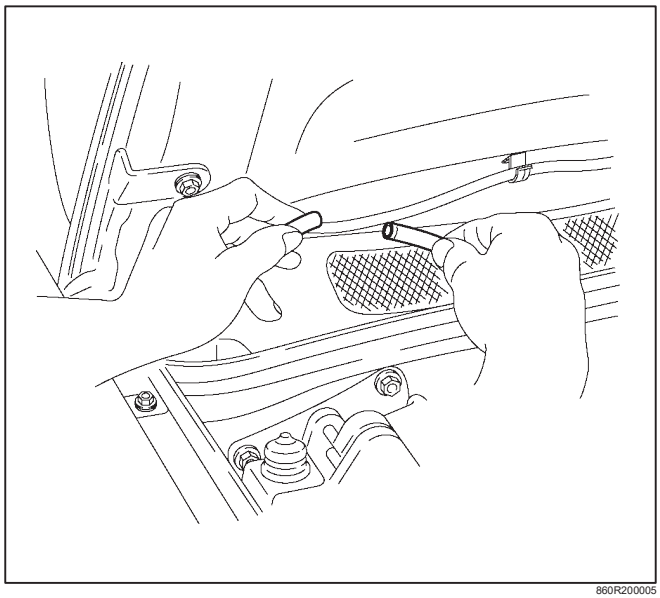


610R200006

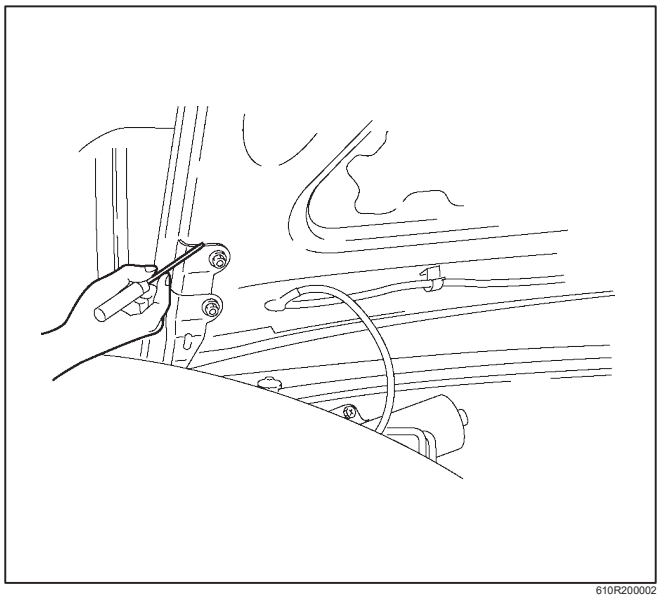
Legend
(1) Engine Hood Assembly
(2) Windowshield Washer Nozzle Tube
(3) Hood Hinge Bolt

Removal

1. Open the hood.
2. Support the hood.
3. Remove the windshield washer nozzle tube.


860R200005

4. Remove the hood hinge bolts.
   - Before removing the hinges from the engine hood, scribe a mark showing location of the hinges to facilitate installation in the original position.


610R200002

5. Remove the engine hood.

Installation

To install, follow the removal steps in the reverse order, noting the following points:

1. Tighten the engine hood hinge fixing bolts to the specified torque.

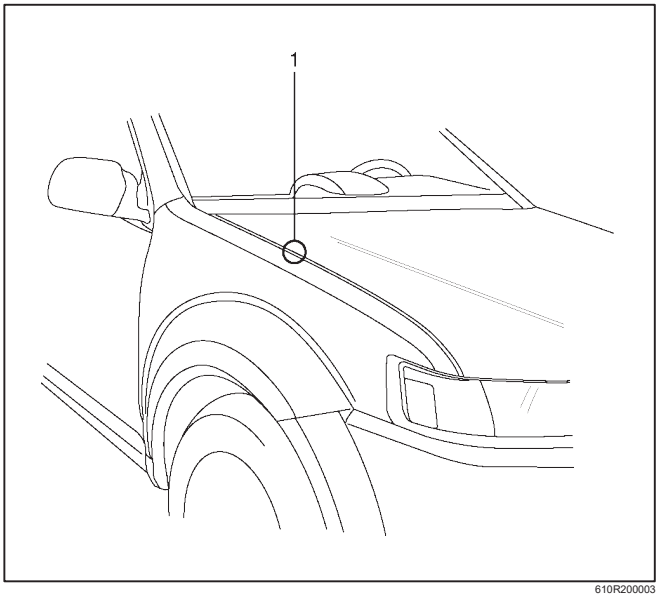
   Torque : 10 N·m (87 lb in)

2. Check the engine hood and fender(1).

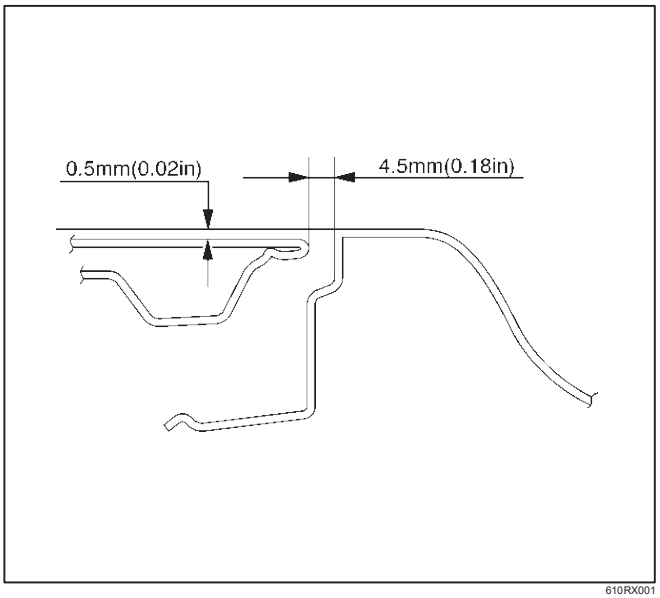
   Clearance: 4.5 mm (0.18 in)

   Height (step): 0.5 mm (0.02 in)

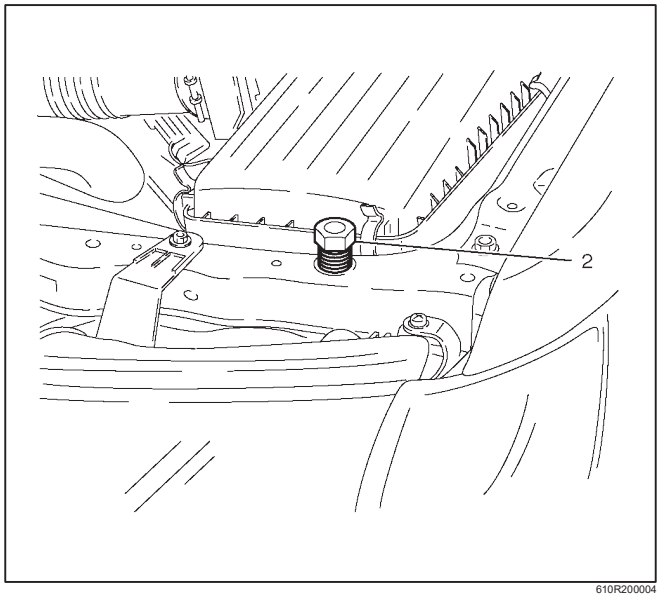
   - Adjust clearance with the hinges on the engine hood.
   - Adjust height (step) with the hood rests(2).



610R200003



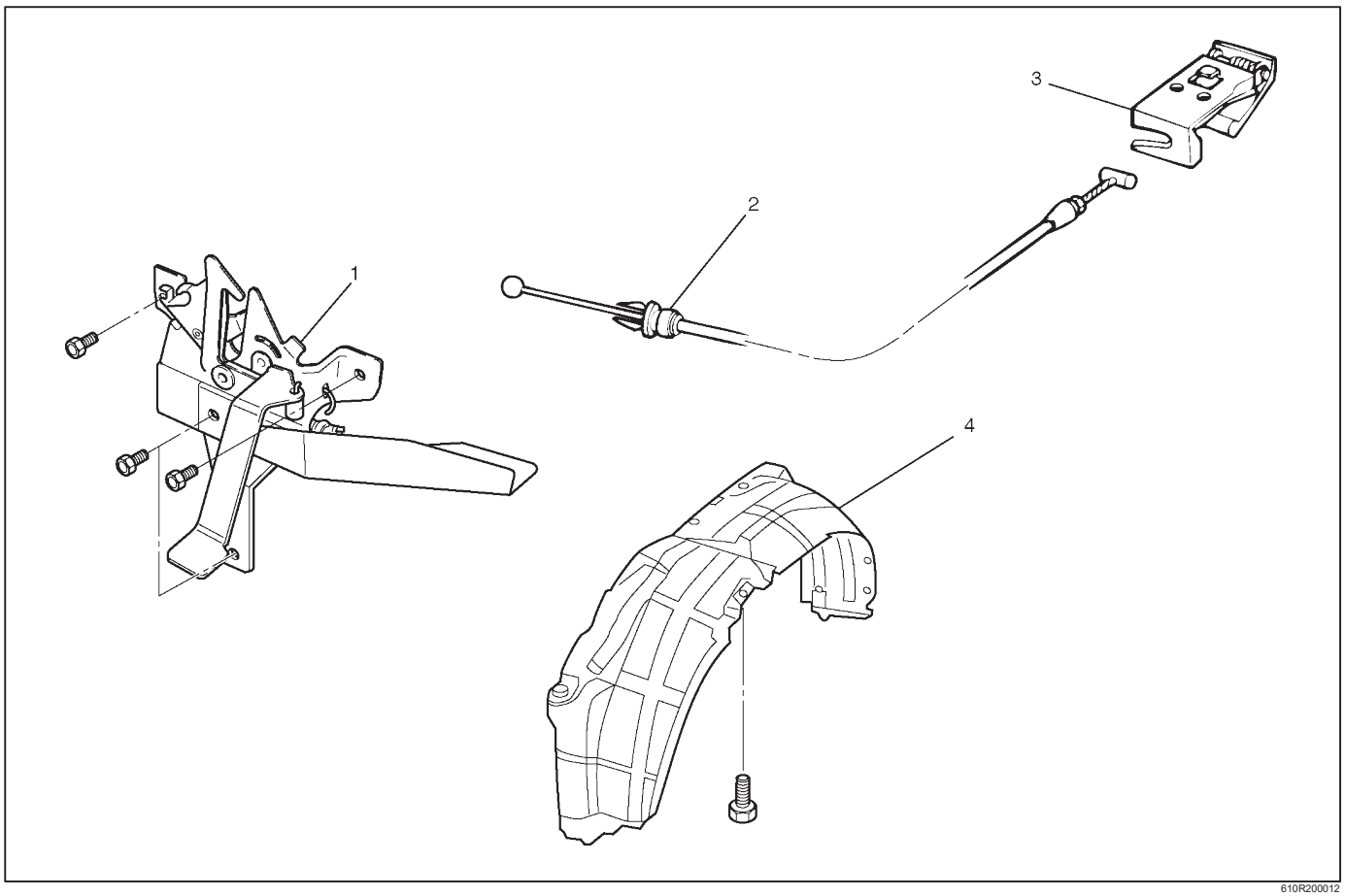
610RX001



610R200004

Engine Hood Lock

Parts Location



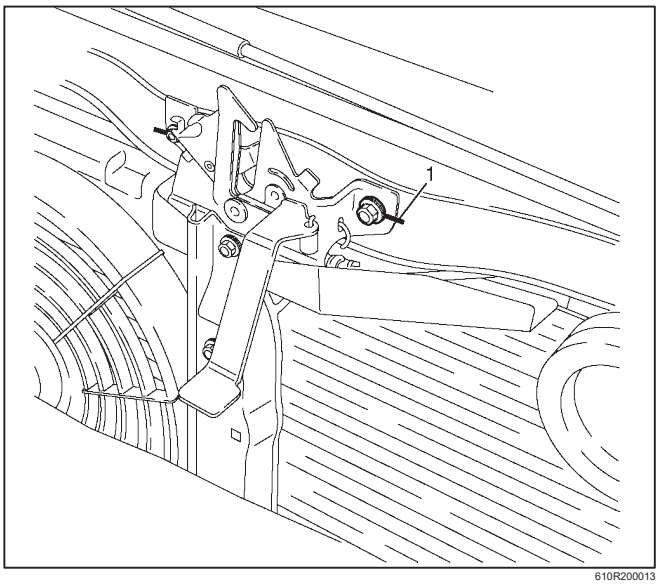
610R200012

Legend

(1) Engine Hood Lock Assembly
(2) Control Cable
(3) Hood Lock Control Lever
(4) Inner Liner

Removal

1. Remove the hood lock control lever.
2. Remove the inner liner.
3. Remove the engine hood lock assembly.
   - Apply setting marks(1) to the hood lock assembly and the body prior to removal.



610R200013

4. Remove the control cable.
   - Remove the cable fixing clips from the engine hood lock.

Installation

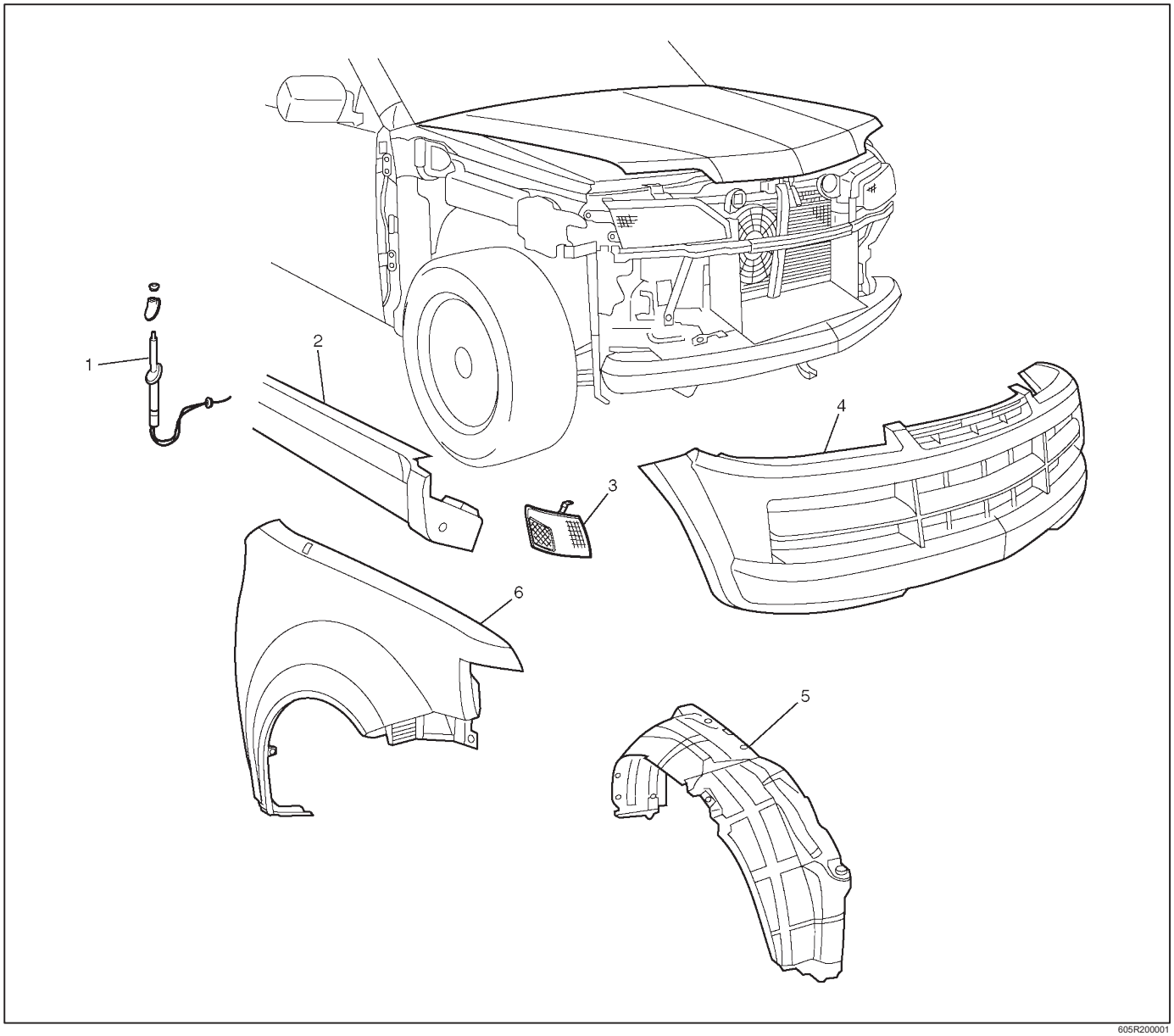
To install, follow the removal steps in the reverse order noting the following points:

1. Reroute the control cable to its original position, and check and see if the lock assembly and control lever work normally.
2. Tighten the hood lock assembly fixing bolts to the specified torque.

Torque : 10 N·m (87 lb in)

Front Fender Panel

Parts Location



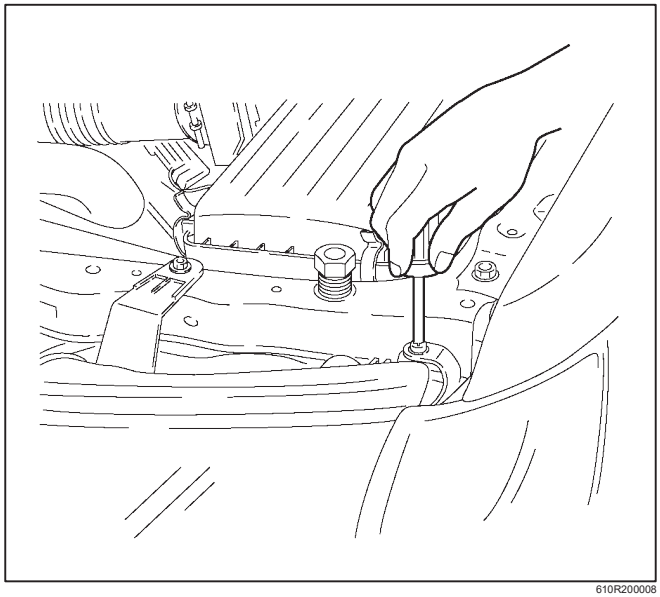
605R200001

Legend

(1) Antenna Assembly
(2) Rocker Cover Assembly
(3) Front Turn Signal Light Assembly
(4) Front Bumper Fascia Assembly
(5) Inner Liner
(6) Front Fender Panel

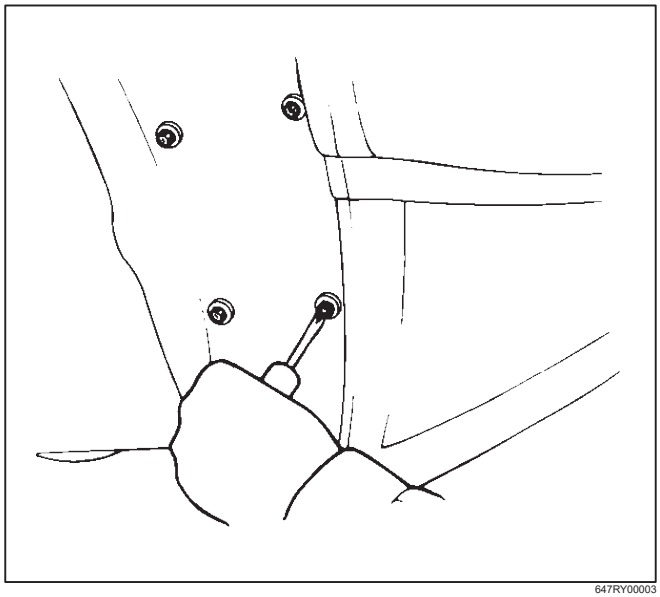
Removal

1. Disconnect the battery ground cable.
2. Remove the front bumper fascia assembly.
   - Refer to *Front Bumper in this section.*
3. Remove the front turn signal light assembly.
   - Remove the fixing screw and disconnect the connector.



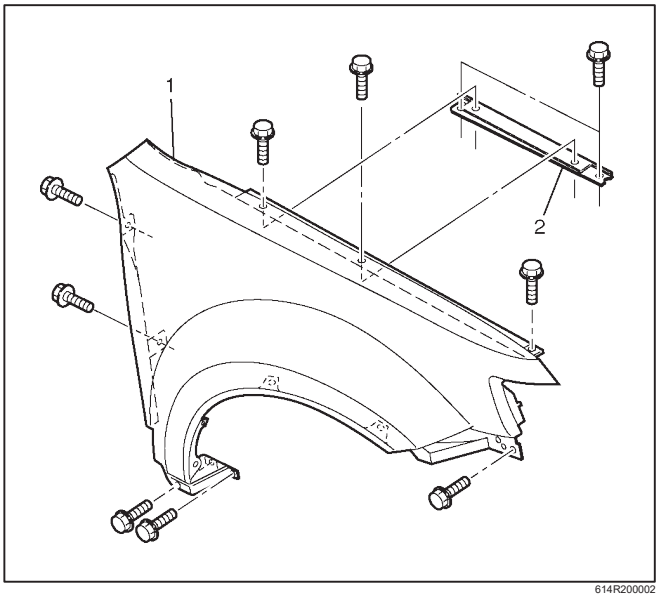
610R200008

4. Remove the rocker cover assembly.
   - Refer to *Rocker Cover Assembly in Exterior/Interior Trim section.*
5. Remove the inner liner.



647RY00003

6. Remove the antenna assembly.
   - Refer to *Rod Type Antenna in Entertainment section.*
7. Remove the front fender panel (1).
   - Remove the eight fixing bolts.
8. Remove the engine compartment upper extension (2).



614R200002

Installation

To install, follow the removal steps in the reverse order, noting the following points:

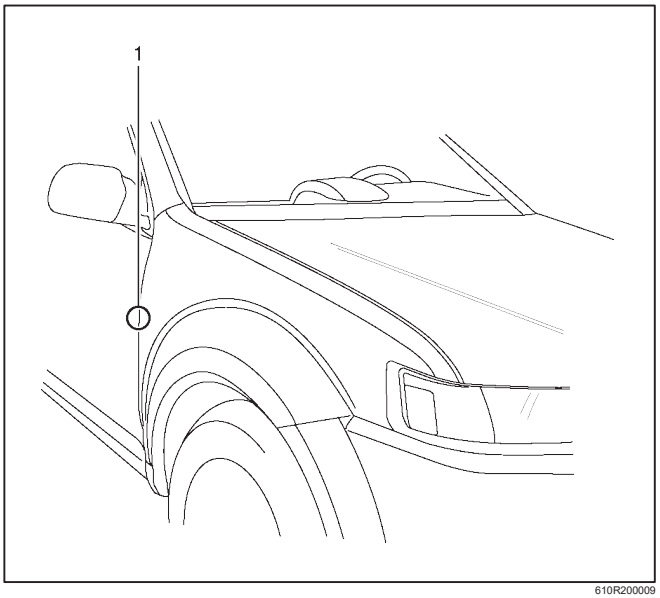
1. Tighten the front fender panel fixing bolts to the specified torque.

   Torque : 7 N·m (61 lb in)

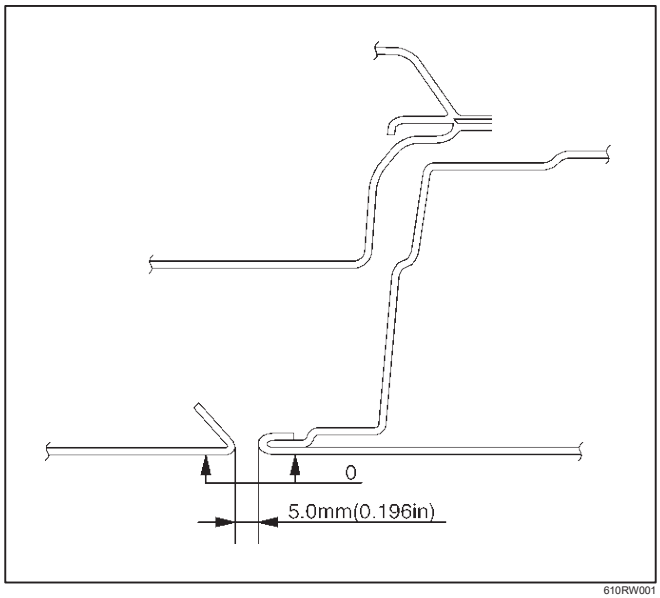
2. Check the fender and front door (1).

   Clearance: 5.0 mm (0.196 in)

   Height (step): Flush



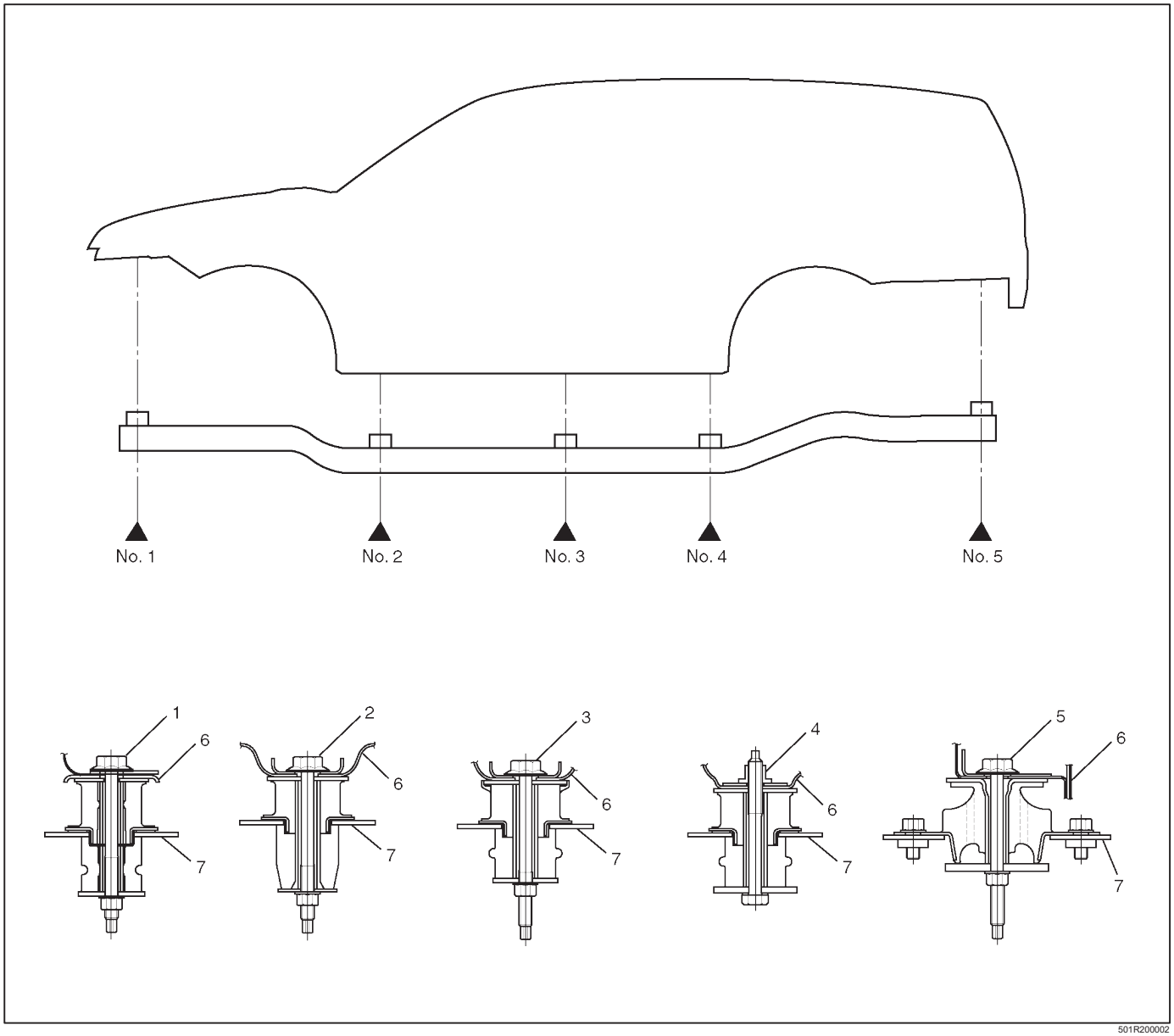
610R200009



610RW001

Body Mounting

Parts Location



501R200002

Legend

(1) No.1 Body Mounting
(2) No.2 Body Mounting
(3) No.3 Body Mounting
(4) No.4 Body Mounting
(5) No.5 Body Mounting
(6) Body Side Mounting Bracket
(7) Frame Side Mounting Bracket

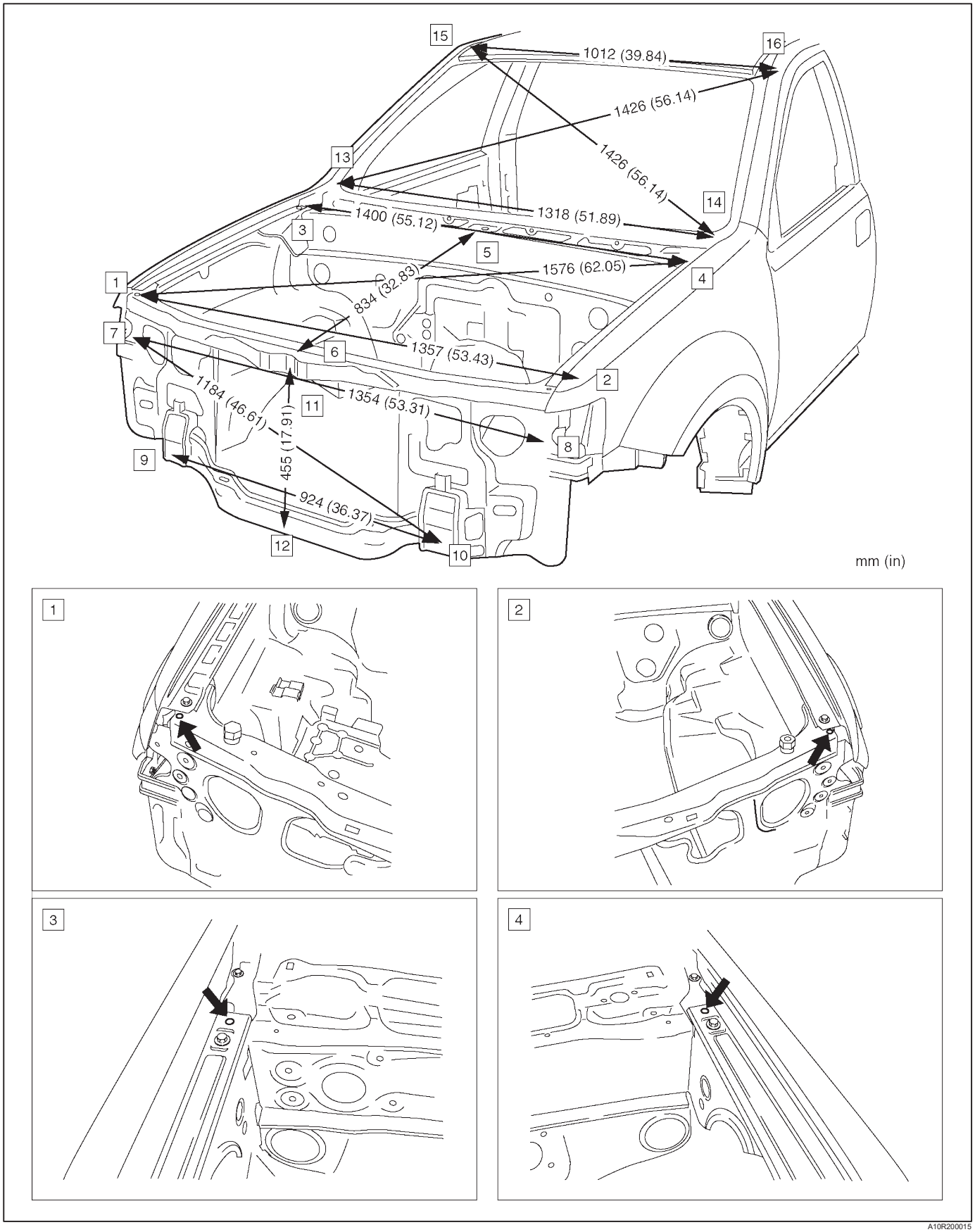
Tightening Torque

1. Tighten the body mounting bolts to specified torque.

Torque : 50 N·m (41 lb ft)

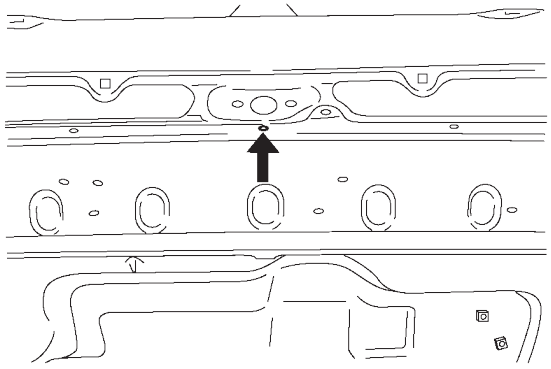
Body Dimension

Front Section

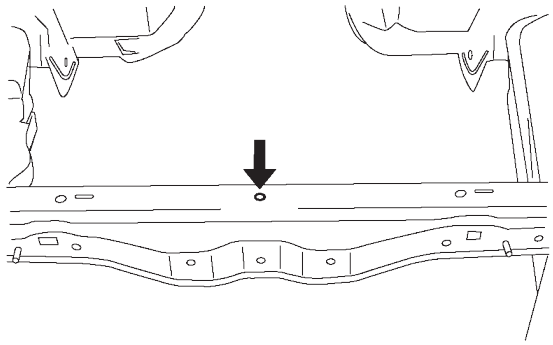


A10R200015

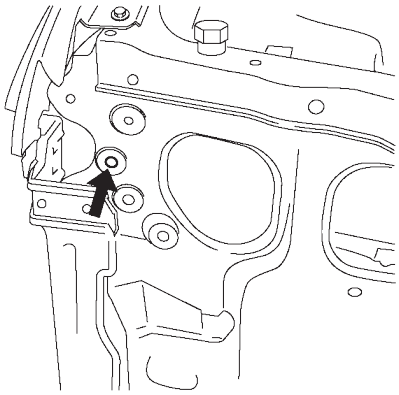
5



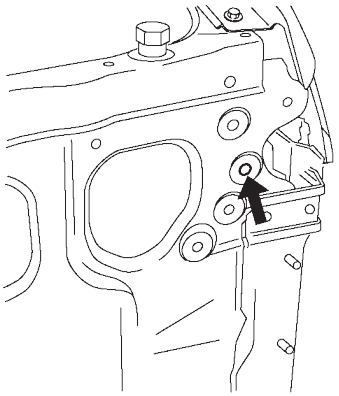
6



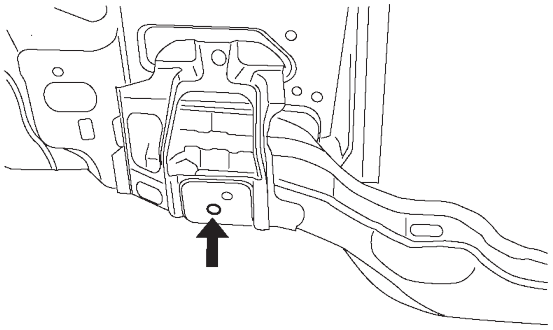
7



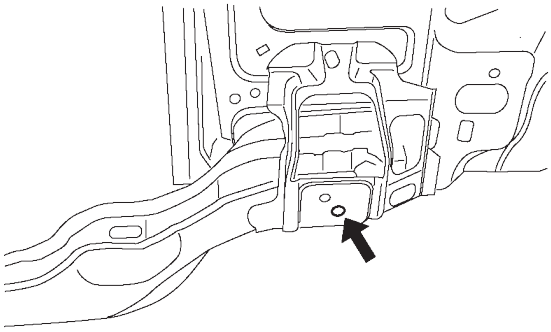
8



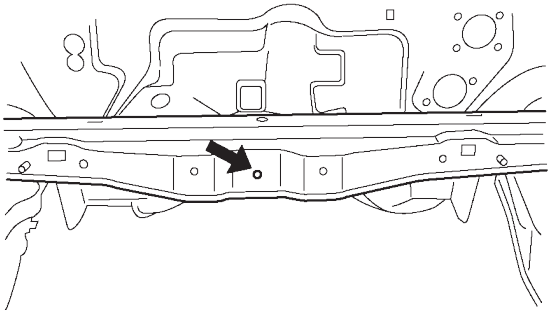
9



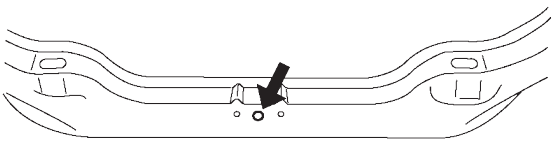
10



11

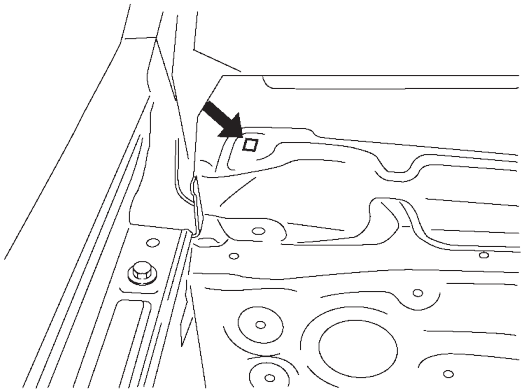


12

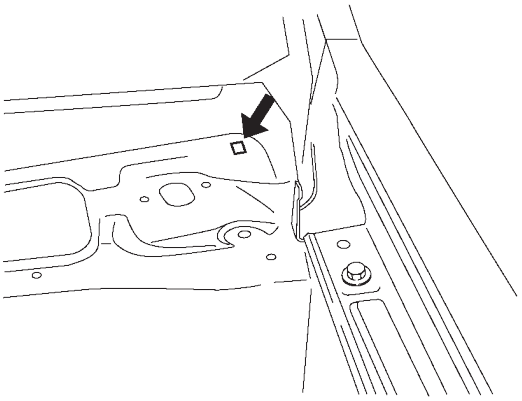


A10R200002

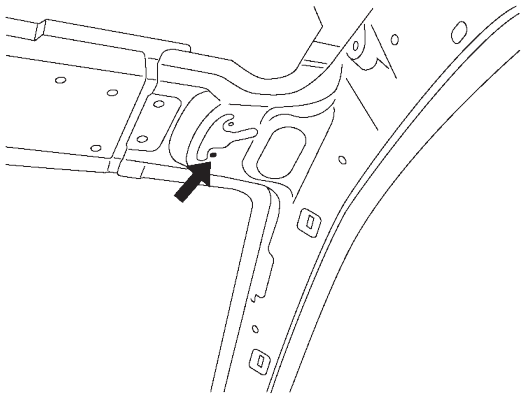
13



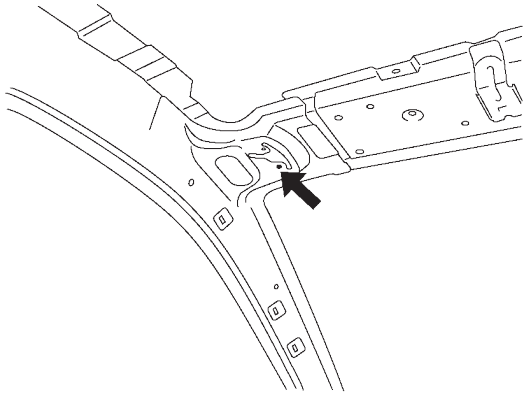
14



15

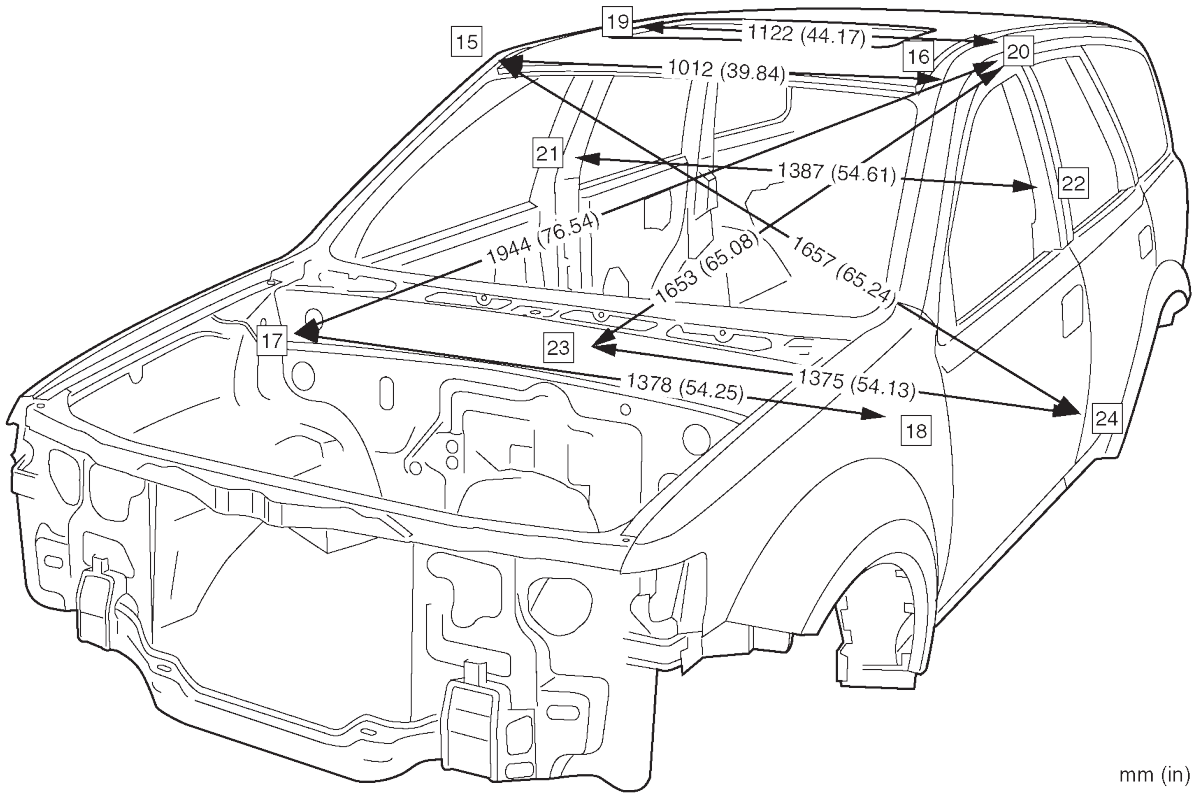


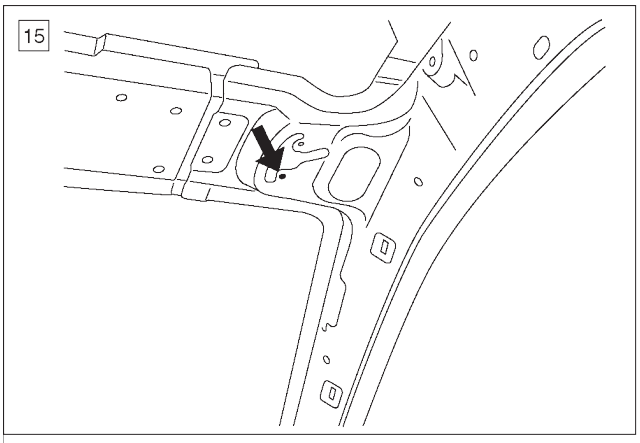
16

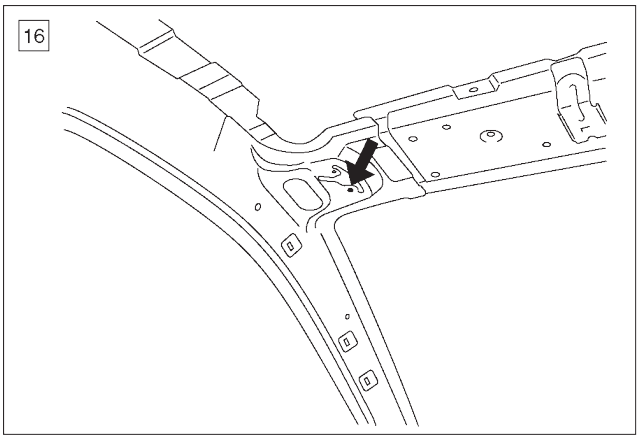


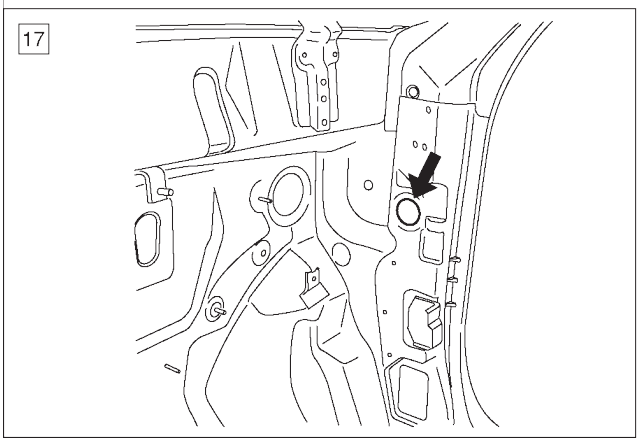
A10R200003

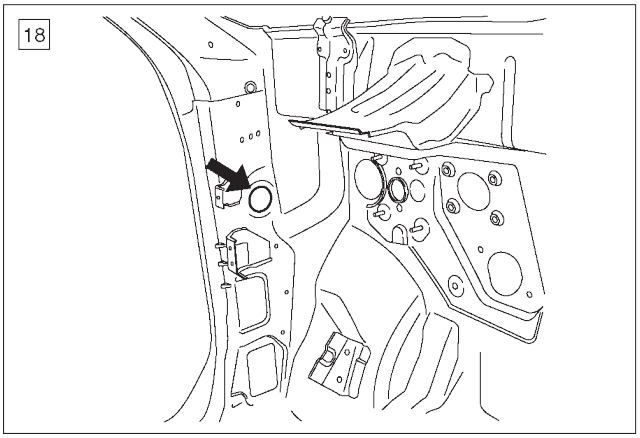
Room Section (Front Side)





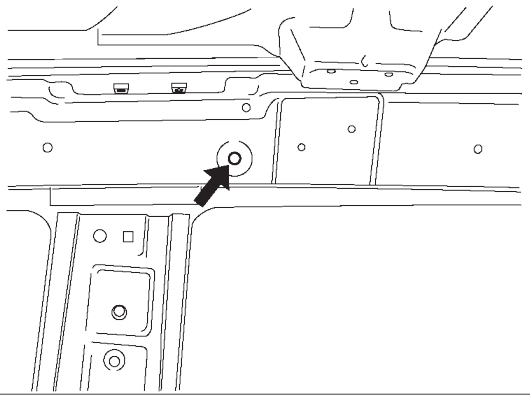




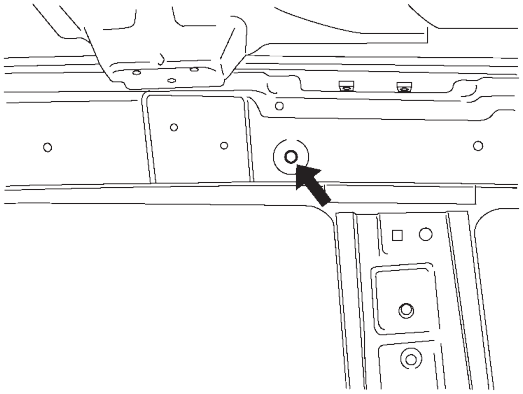


A10R200016

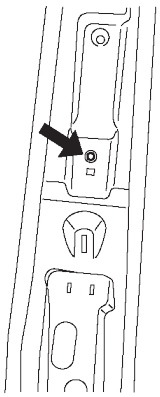
19



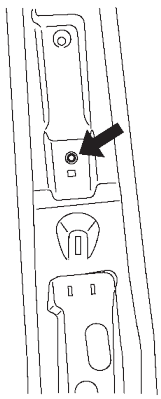
20



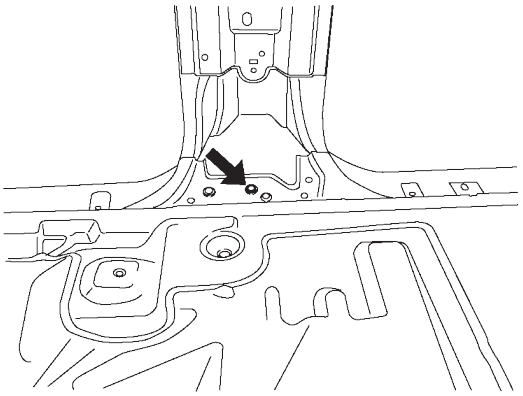
21



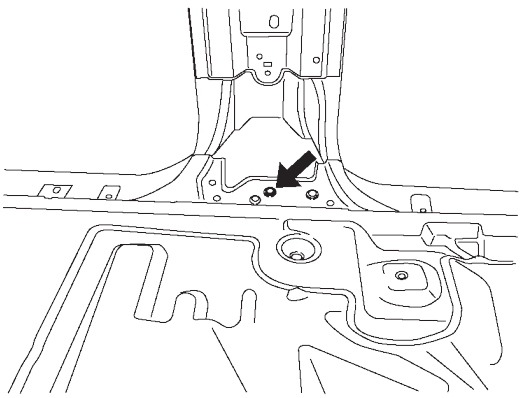
22



23

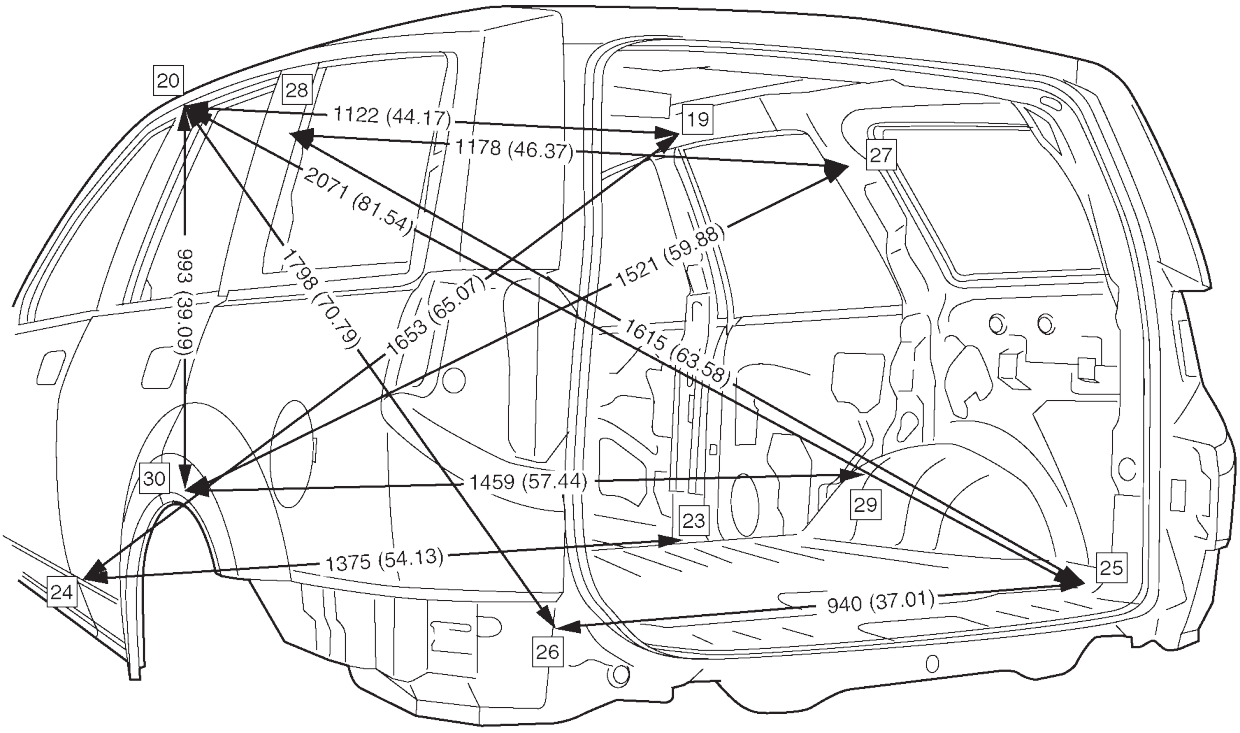


24

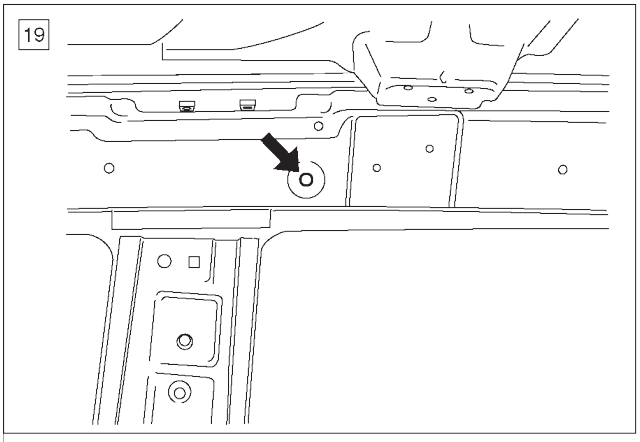


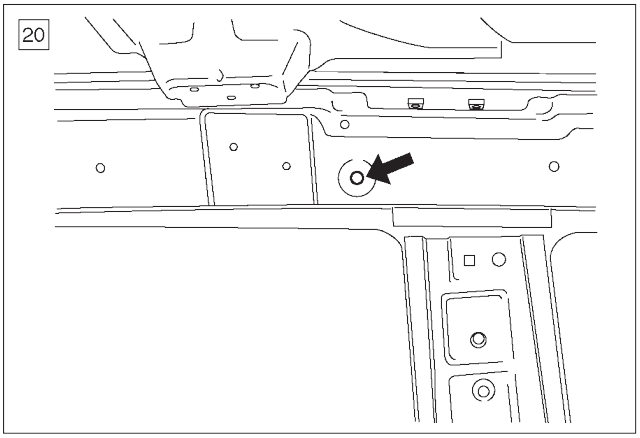
A10R200005

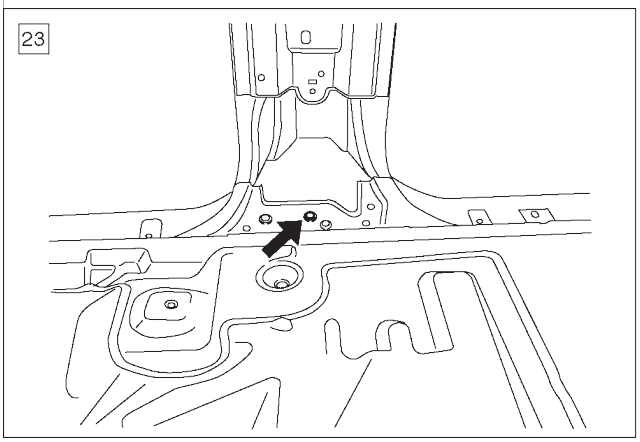
Room Section (Rear Side)

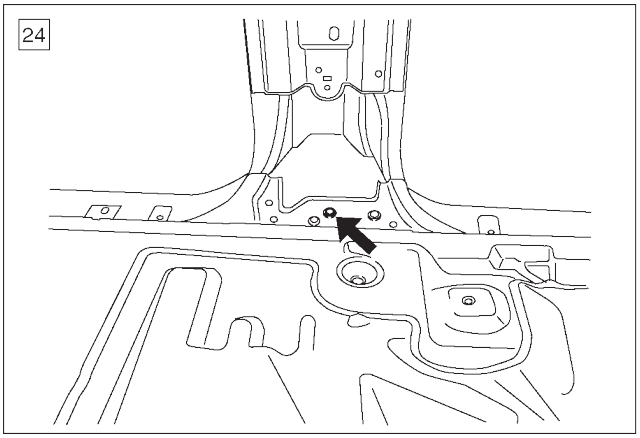


mm (in)



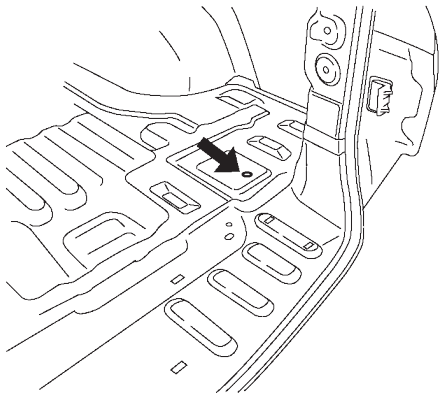




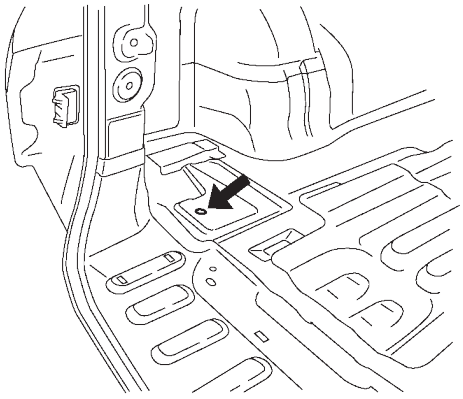


A10R200017

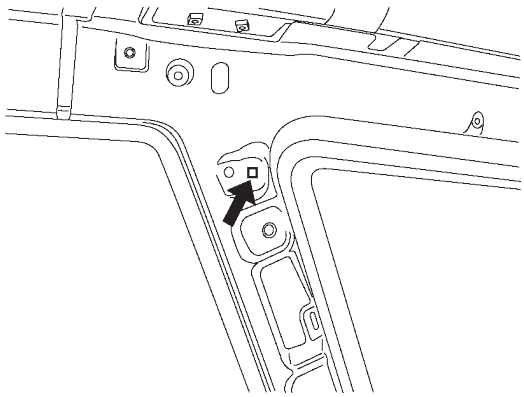
25



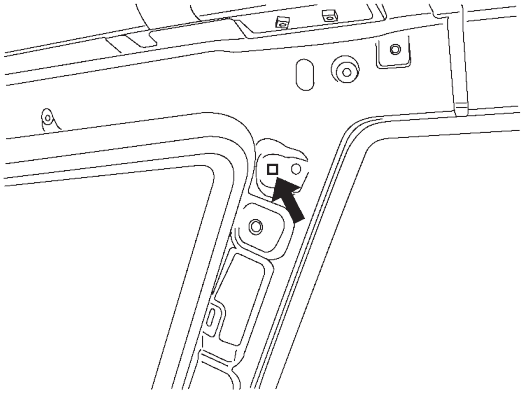
26



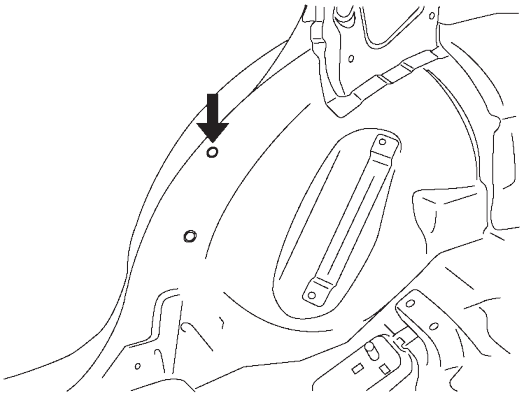
27



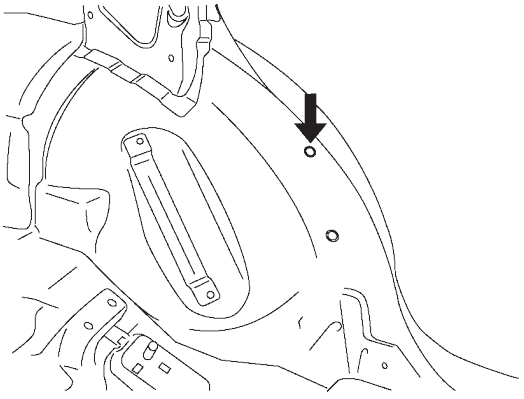
28



29

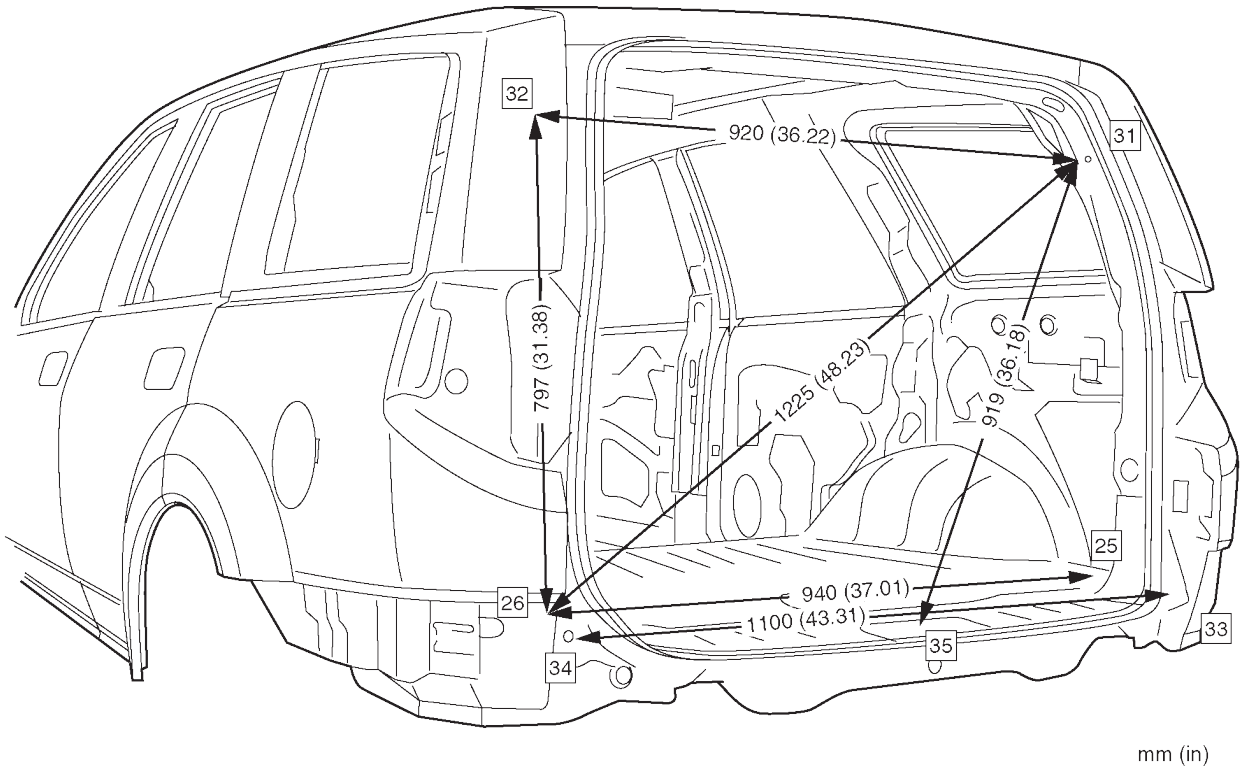


30

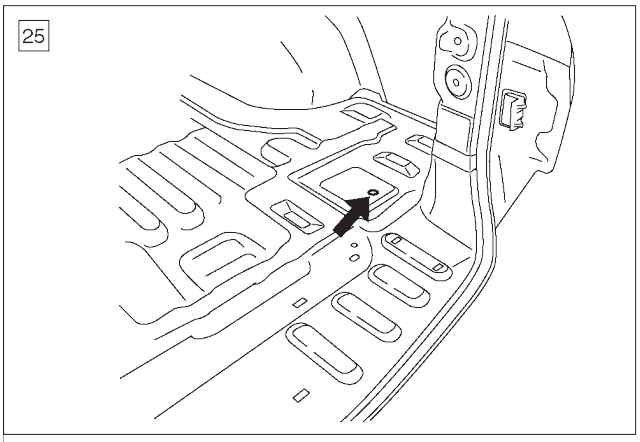


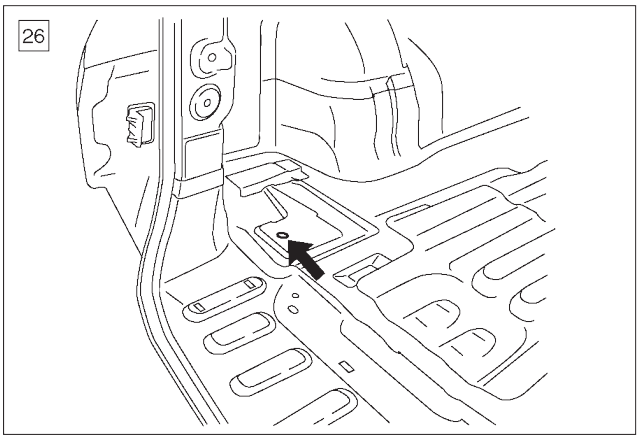
A10R200007

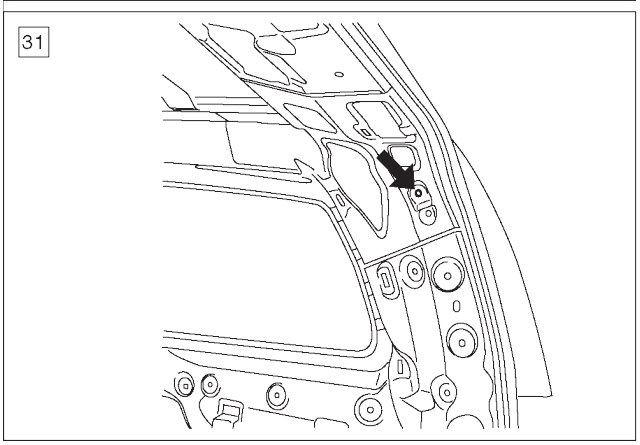
Rear Section

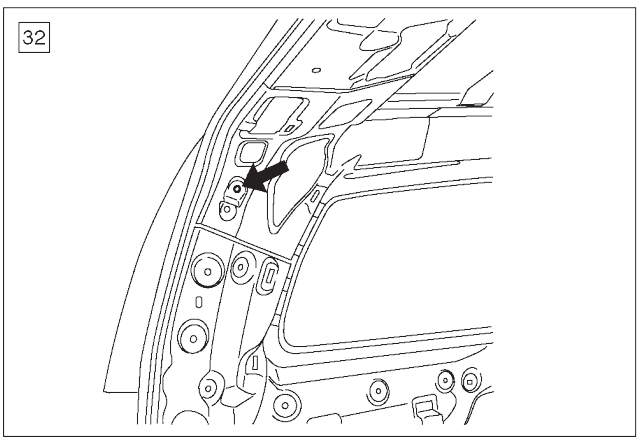


mm (in)



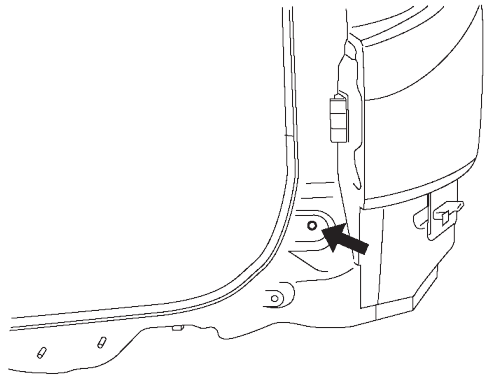




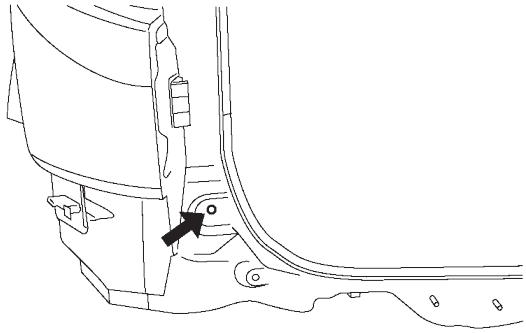


A10R200018

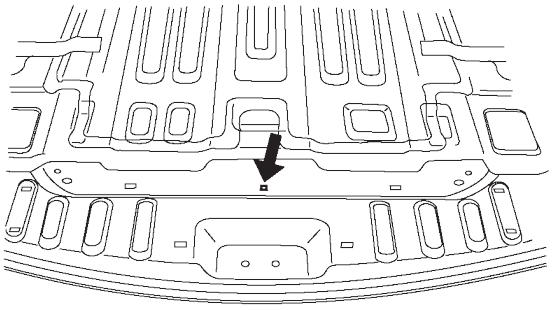
33



34

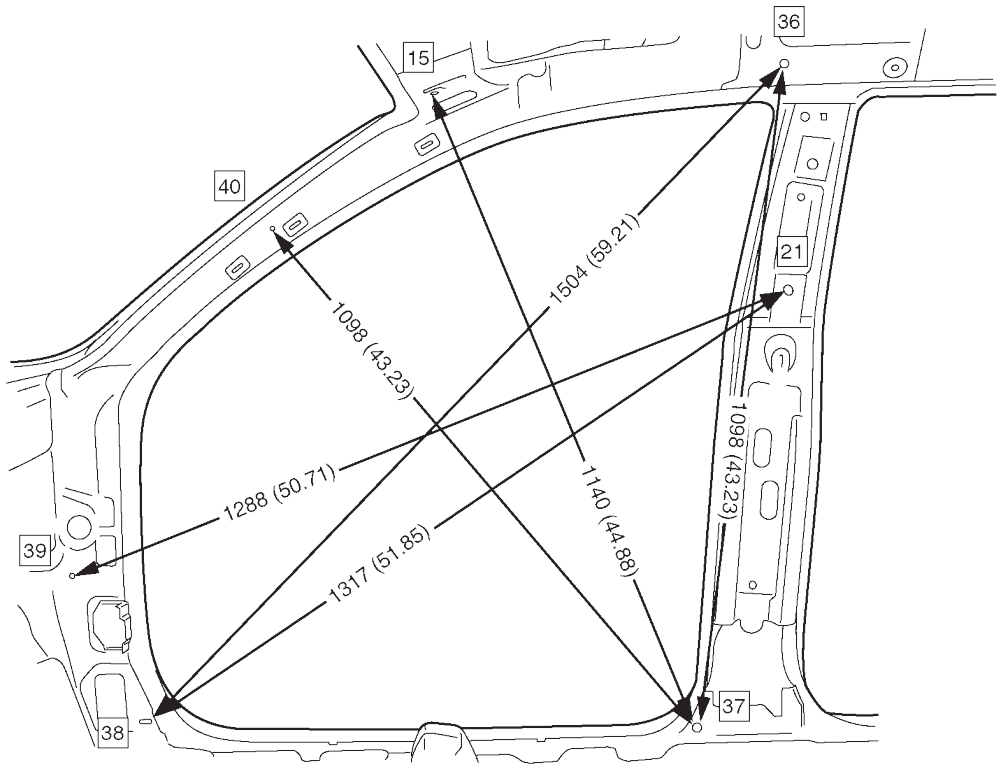


35

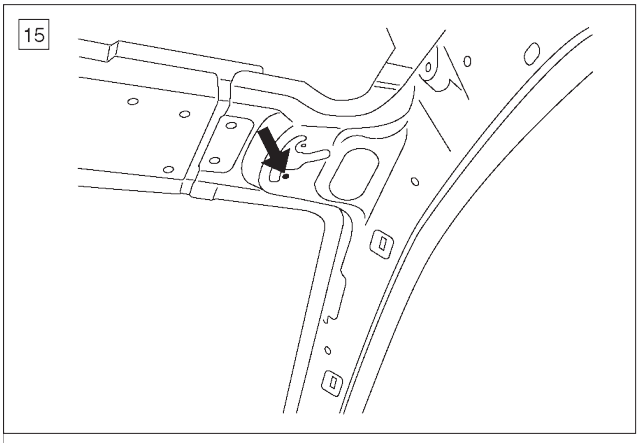


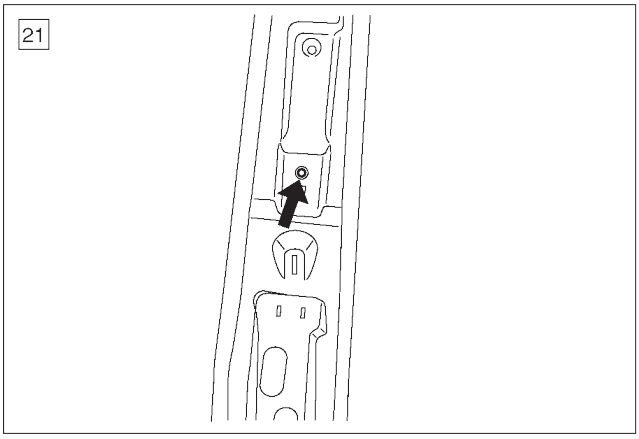
A10R200009

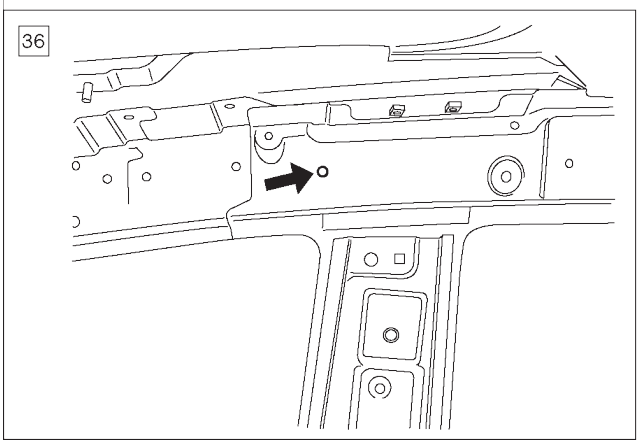
Side Body Section (Front side)

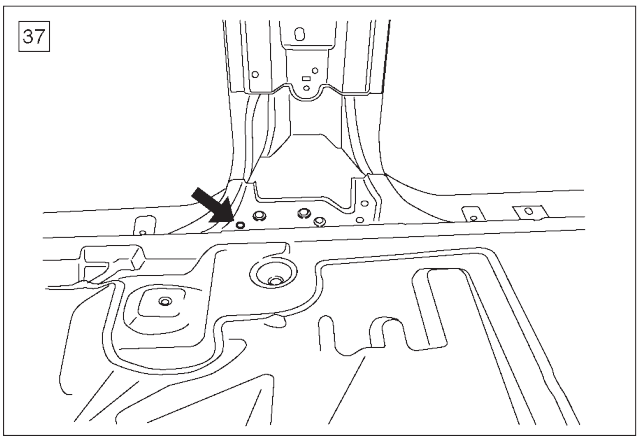


mm (in)



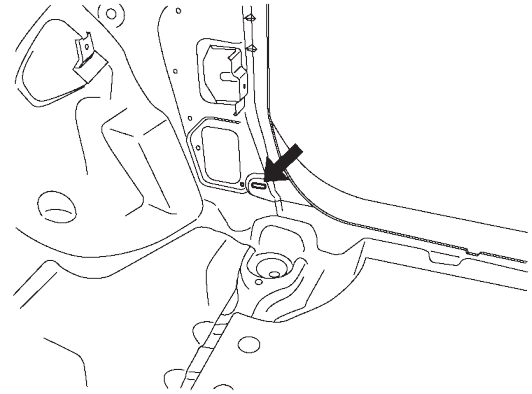




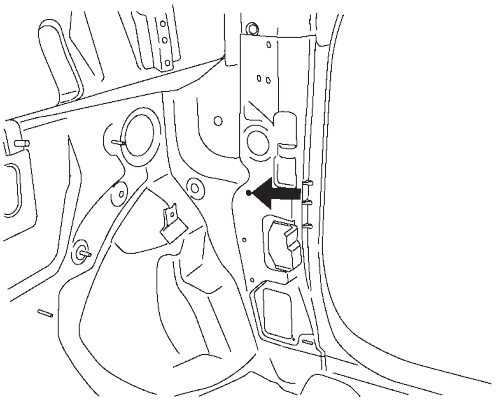


A10R200019

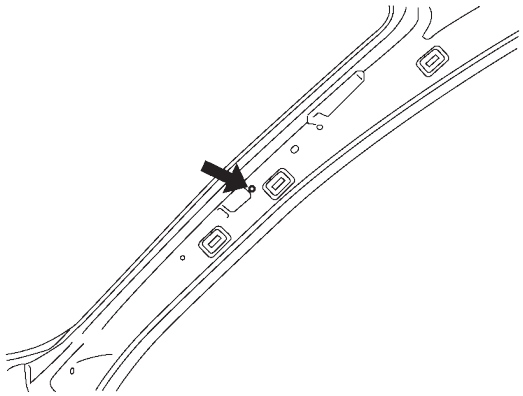
38



39

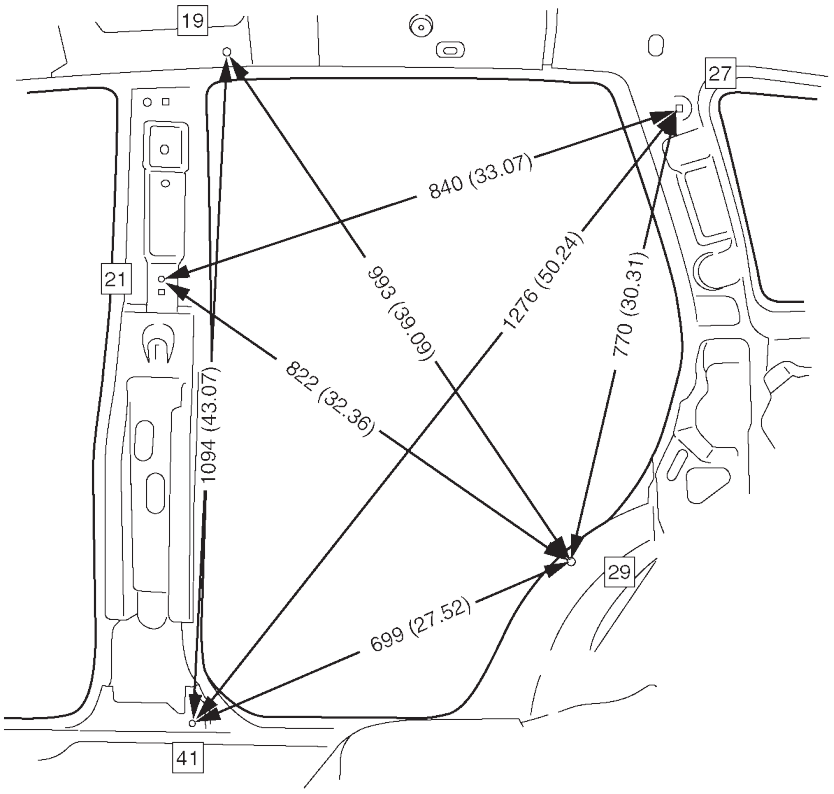


40

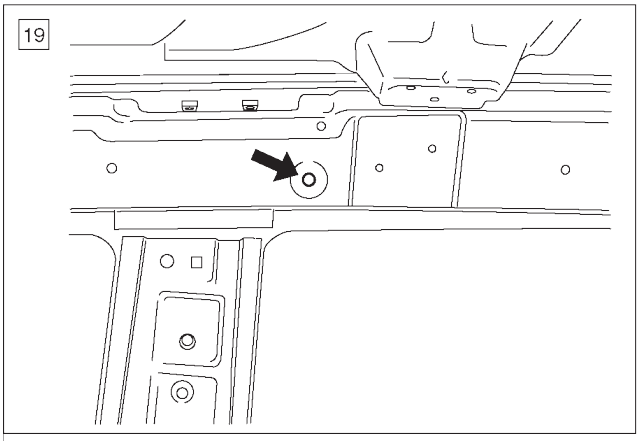


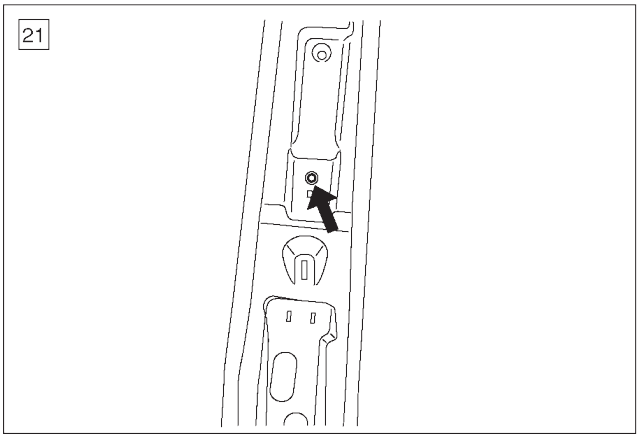
A10R200011

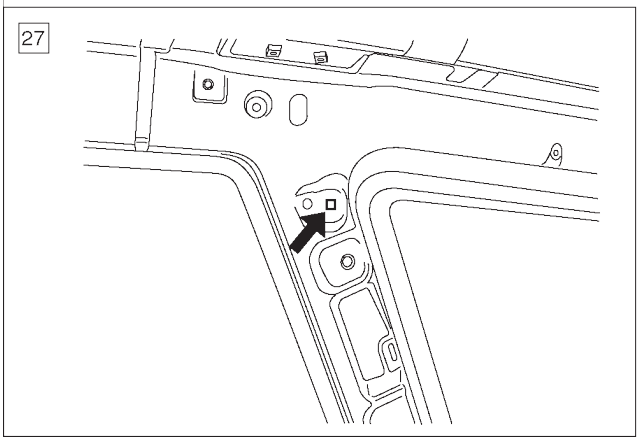
Side Body Section (Rear side)

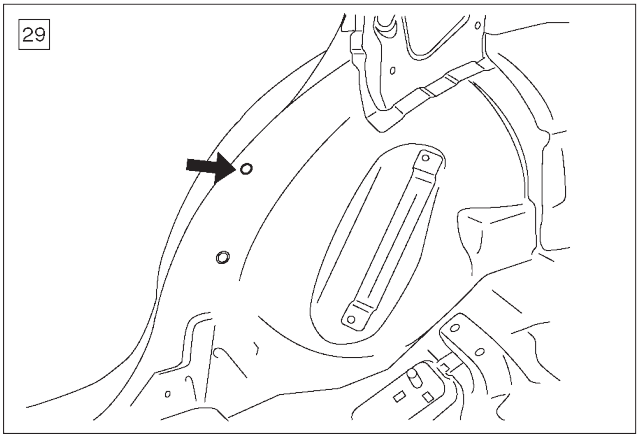


mm (in)



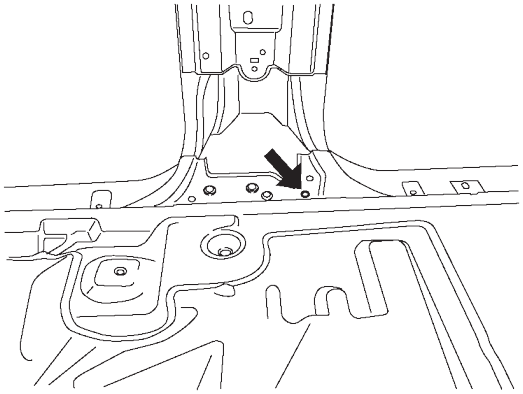






A10R200020

41



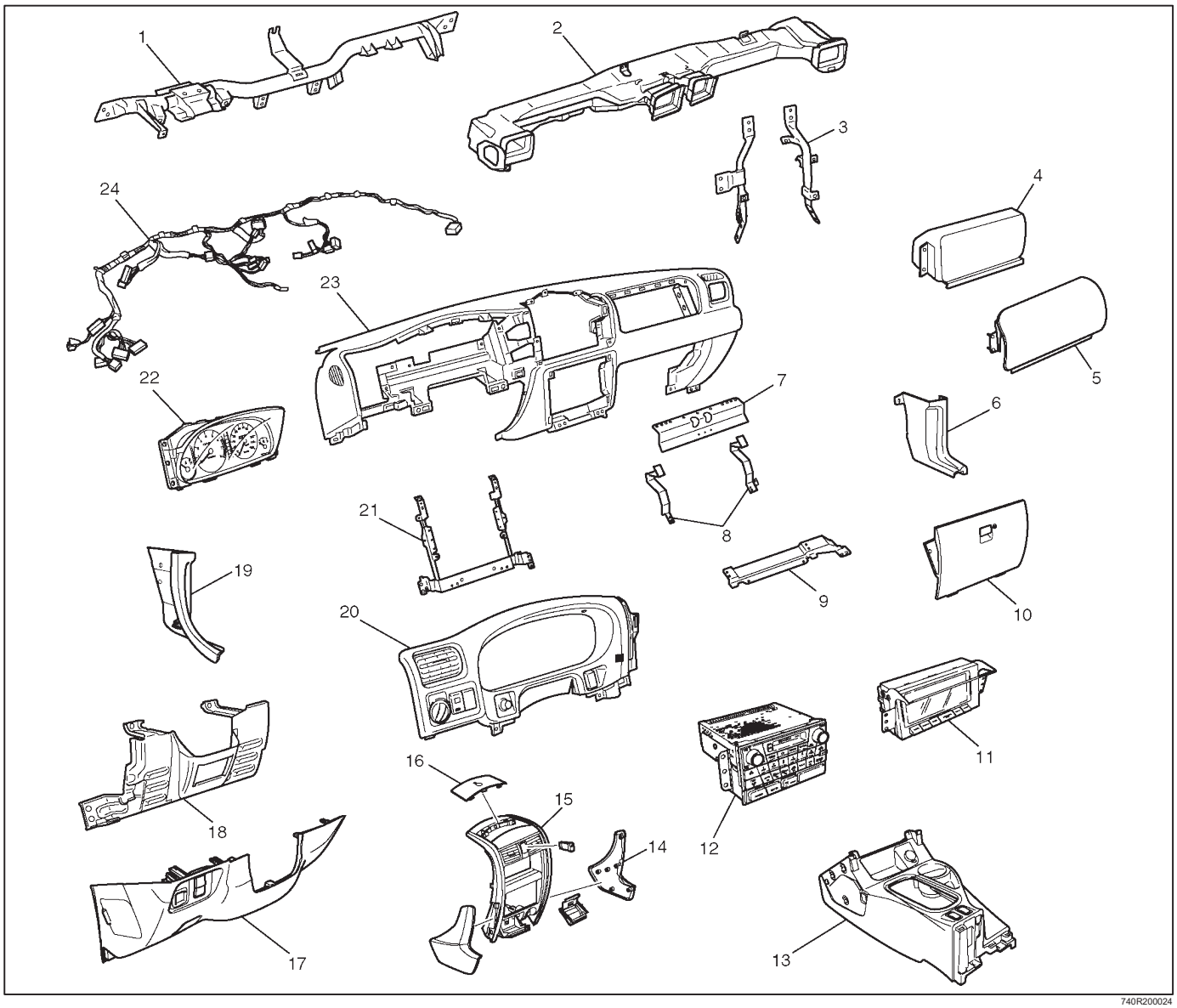
A10R200013

General Description (Body)

This publication contains essential removal, installation, adjustment and maintenance procedures.

Instrument Panel Assembly

Parts Location



740R200024

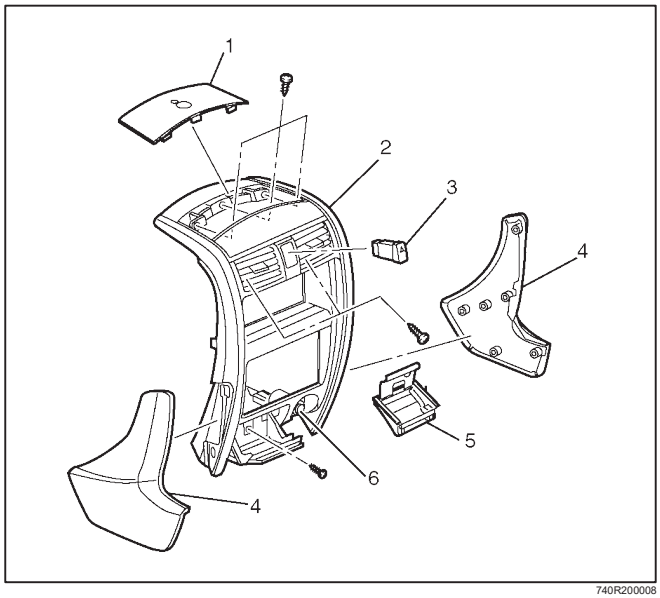
Legend

(1) Cross Beam
(2) Vent Duct Assembly
(3) Instrument Panel Stay
(4) Passenger Air Bag
(5) Passenger Air Bag Cover
(6) Dash Side Trim Panel (RH)
(7) Instrument Upper Reinforcement
(8) Glove Box Side Reinforcement
(9) Passenger Lower Bracket
(10) Glove Box
(11) Display Unit
(12) Audio Kit
(13) Front Console Assembly
(14) Knee Pad
(15) Center Cluster Assembly
(16) Cluster Upper Cover
(17) Instrument Panel Driver Lower Cover Assembly
(18) Driver Knee Bolster Assembly
(19) Dash Side Trim Panel (LH)
(20) Meter Cluster Assembly
(21) Instrument Panel Center Reinforcement
(22) Meter Assembly
(23) Instrument Panel Assembly
(24) Instrument Harness Assembly

Removal

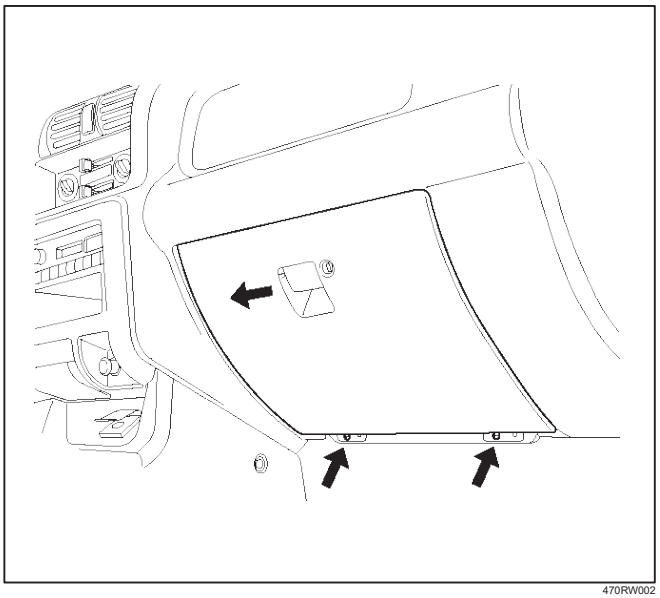
CAUTION: For precautions on installation or removal of SRS – air bag system, refer to *Supplemental Restraint System (SRS) – AIR BAG in Restraint section.*

1. Disconnect the battery ground cable.
2. Pry the knee pads (4).
3. Remove the cluster upper cover (1) and connectors.
4. Remove the center cluster assembly (2).
   - Remove six screws and pull out the cluster at the six clip positions.
   - Disconnect the cigarette lighter (6), ash tray (5) illumination and hazard switch (3) connectors.

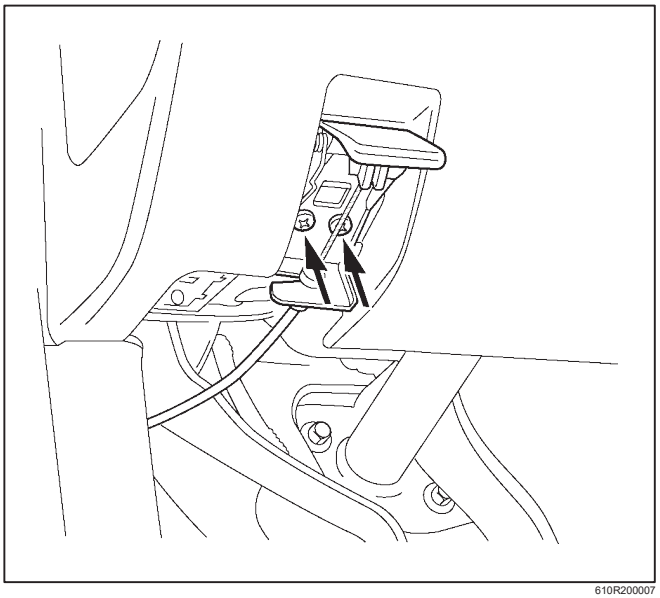


740R200008

5. Remove the display unit.
   - Remove the four fixing screws and connectors.
6. Remove the audio kit.
   - Remove the four fixing screws and connectors.
7. Remove the front and rear consoles.
   - Refer to *Consoles in Exterior/Interior Trim section.*
8. Remove the dash side trim panels.
   - Remove the sill plates, then remove the trim panels.
9. Remove the glove box.
   - Remove the two fixing screws.


470RW002

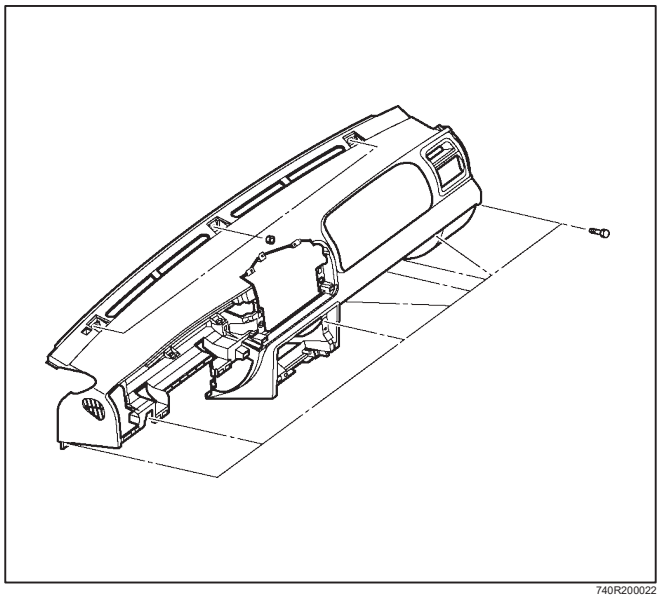
10. Remove the instrument panel driver lower cover assembly.
    - Remove the engine hood opener two fixing screws and another one fixing screw.
      After four clips are pried, disconnect switch connector and duct.


610R200007

11. Remove the meter cluster assembly.
    - Remove the six fixing screws and switch connectors.
12. Remove the meter assembly.
    - Remove the four fixing screws and disconnect the connectors.
13. Remove the driver knee bolster assembly.
    - Remove the six fixing bolts and screw.
14. Remove the instrument panel assembly.

CAUTION: For precautions on installation or removal of SRS – air bag system, refer to *Supplemental Restraint System (SRS) – AIR BAG in Restraint section.*

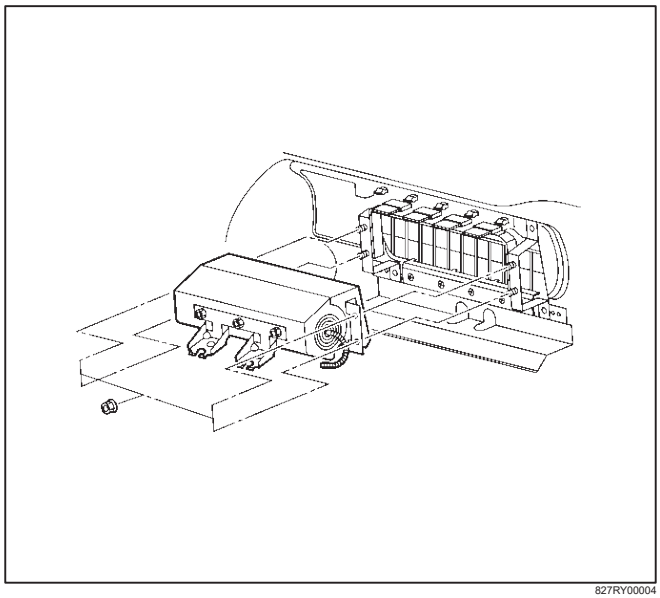
- Disconnect the instrument harness connectors (six connectors on the driver's side, three connectors on the passenger side and two connectors on the center side).
- Disconnect radio antenna cable plug and the ground cable fixing bolts from dash side panel.
- Remove the two fixing bolts of passenger air bag assembly and disconnect the connector.
- Remove the two fixing screws from fuse box.
- After pry the three hole cover from the surface of instrument panel, remove the three nuts.
- Remove the six bolts and one screw.



740R200022

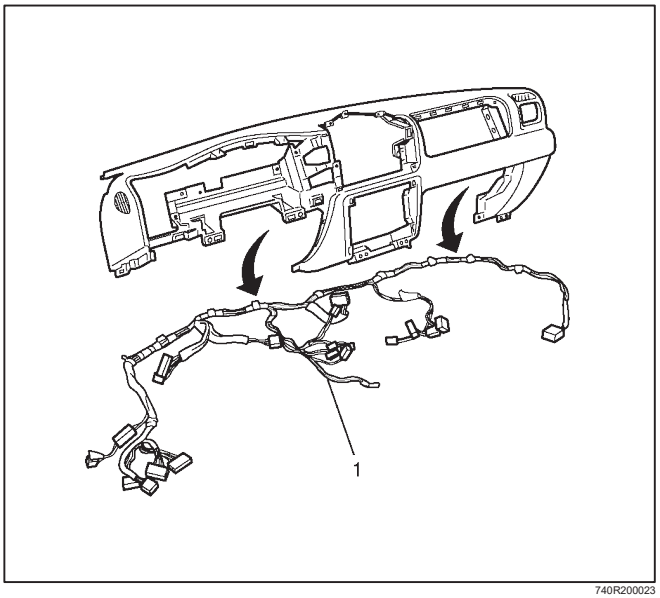
15. Remove the passenger air bag (1).
    - Remove the four fixing nuts.

CAUTION: For precautions on installation or removal of SRS – air bag system, refer to *Supplemental Restraint System in Restraint section.*



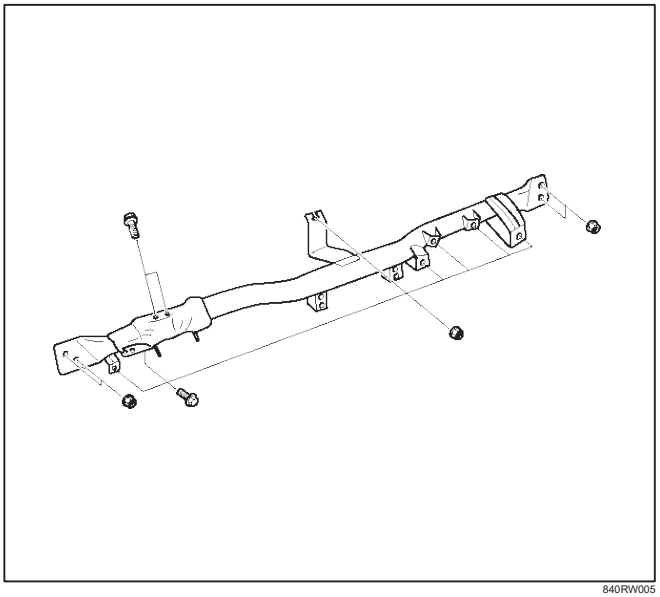
827RY00004

16. Remove the vent duct assembly.
    - Remove the five fixing screws.
17. Remove the passenger lower bracket.
    - Remove the three screws.
18. Remove the glove box side reinforcement.
19. Remove the instrument upper reinforcement.
    - Remove the nine screws.
20. Remove the instrument panel center reinforcement.
    - Remove the six screws.
21. Remove the instrument panel harness assembly (1).
    - Remove the clips.



740R200023

22. Remove the instrument panel stays.
    - Remove the two fixing nuts and two fixing bolts for each bracket.
23. Remove the cross beam.
    - Remove the five fixing nuts, two fixing bolts (upper) and six fixing bolts (lower).



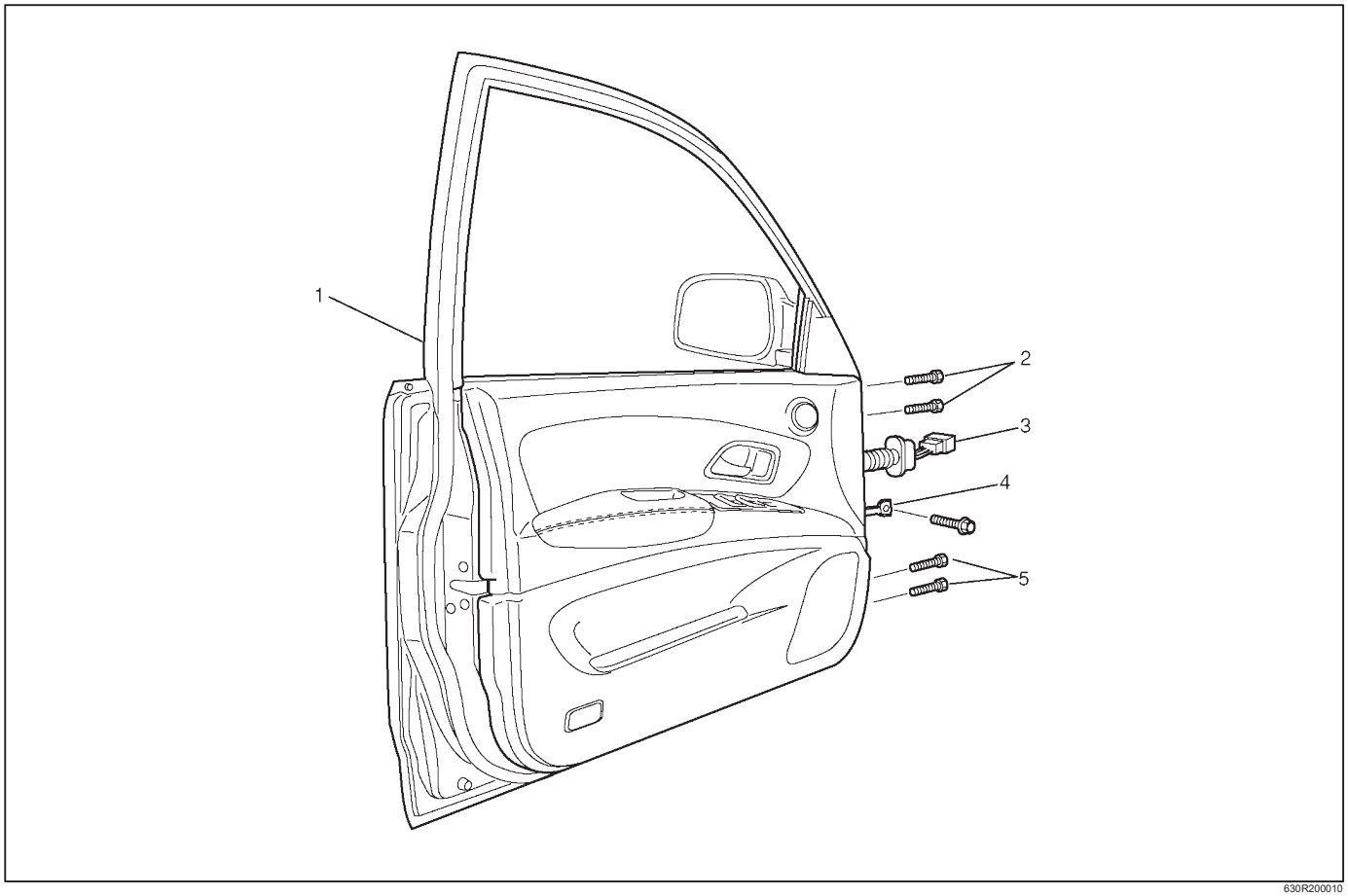
840RW005

Installation

To install, follow the removal steps in the reverse order.

Front Door Assembly

Parts Location



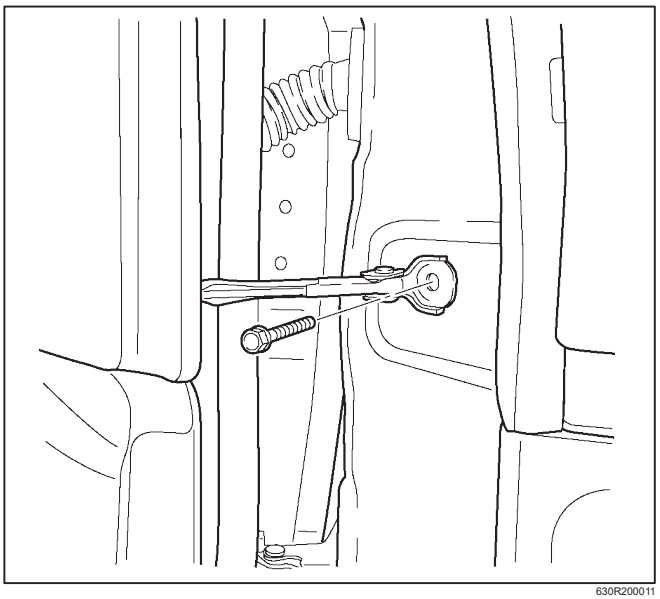
630R200010

Legend

(1) Front Door Assembly
(2) Upper Hinge Bolt
(3) Door Harness Connector
(4) Door Check Arm
(5) Lower Hinge Bolt

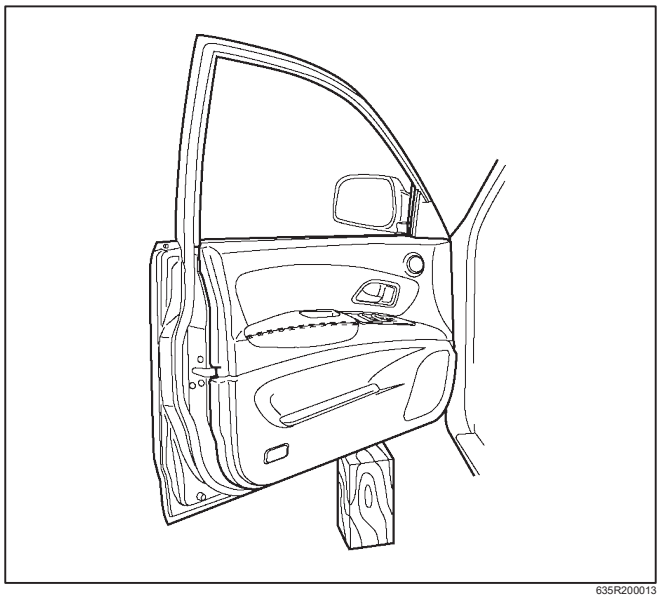
Removal

1. Disconnect the battery ground cable.
2. Apply a setting mark on the body side hinge.
3. Remove the door check arm bolt.

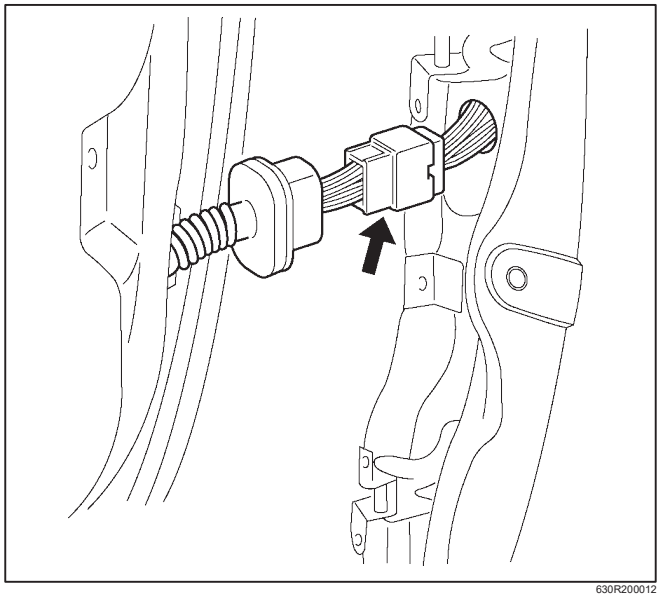


630R200011

4. Remove the upper and lower hinge bolts.
   - Position a wood block under the door for protection and support the door assembly with hands during removal or installation.


635R200013

5. Remove the door harness connector.
   - Pull the door harness grommet out in order to disconnect the harness connector.


630R200012

6. Remove the front door assembly.

Installation

To install, follow the removal steps in the reverse order, noting the following points:

1. Align the door fitting to the body.
   - Check the fender and front door (1).

   Clearance: 5.0 mm (0.196 in)

   Height (step): Flush
   - Check the front door and rear door (2).

   Clearance: 5.0 mm (0.196 in)

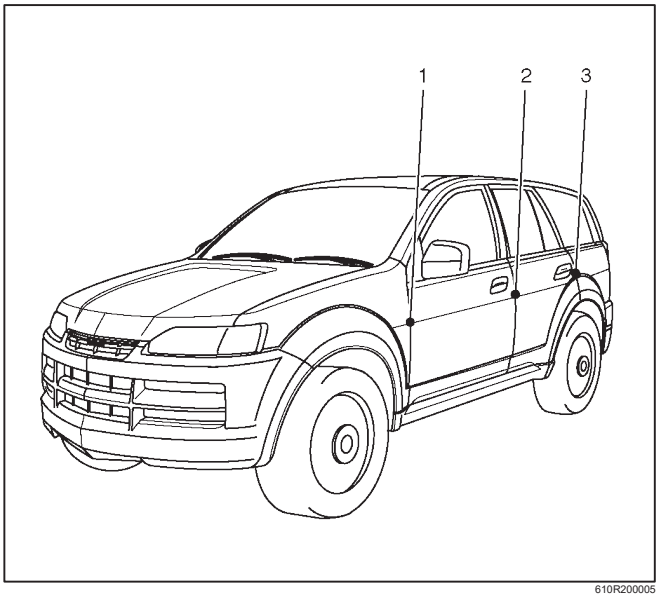
   Height (step): Flush
   - Check the rear door and body (3).

   Clearance: 5.0 mm (0.196 in)

   Height (step): Flush

   Adjust clearance with door hinges.

   Adjust height (step) by tapping on the fender lightly with a rubber hammer.



610R200005

2. Tighten the door hinge bolts to the specified torque.

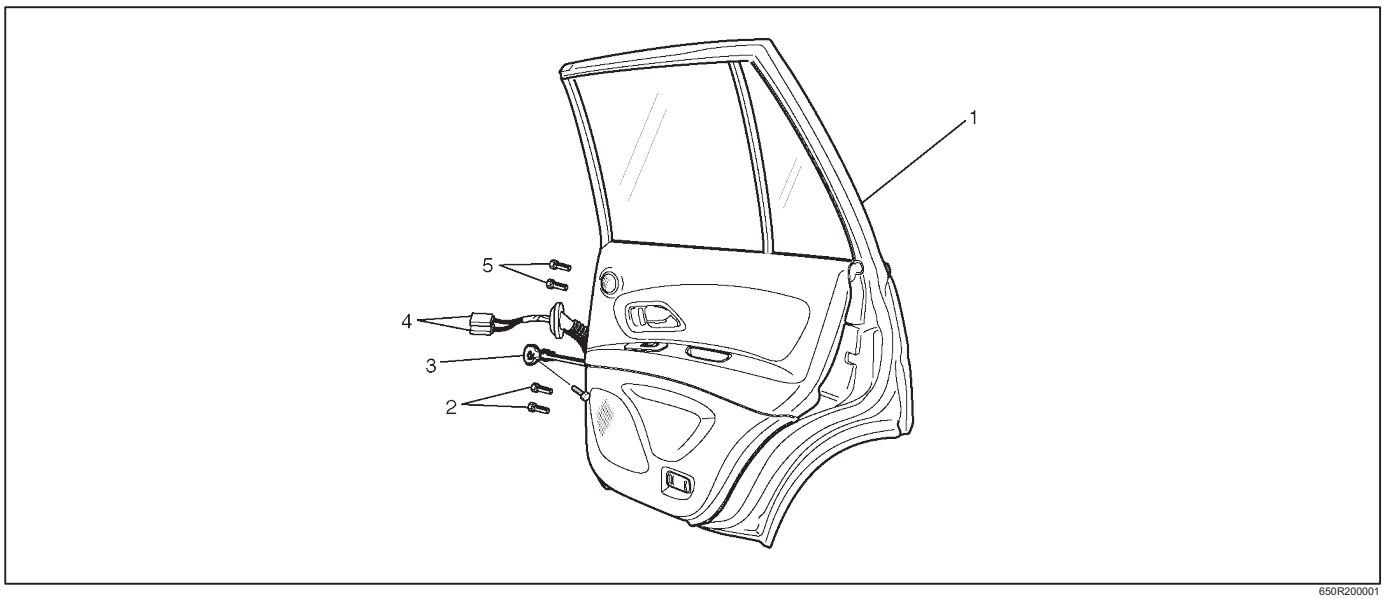
   Torque : 34 N·m (25 lb ft)

3. Tighten the door check arm bolt and nuts to the specified torque.

   Torque : 9 N·m (78 lb in)

Rear Door Assembly

Parts Location



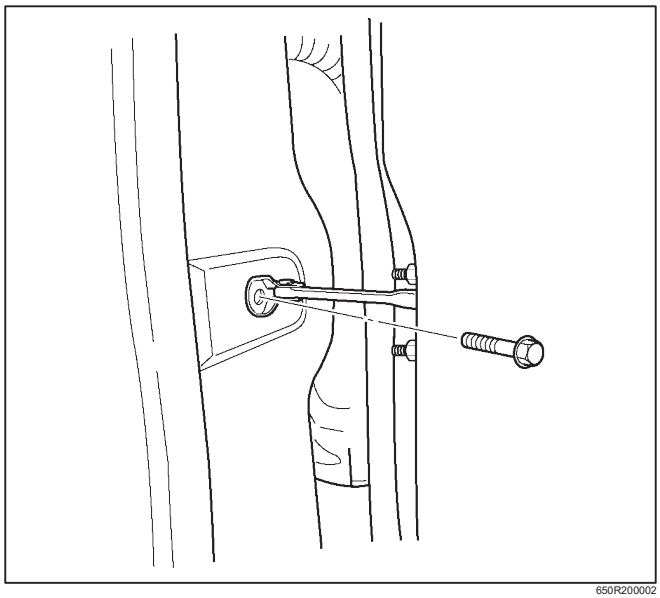
650R200001

Legend

(1) Rear Door Assembly
(2) Lower Hinge Bolt
(3) Door Check Arm
(4) Door Harness Connector
(5) Upper Hinge Bolt

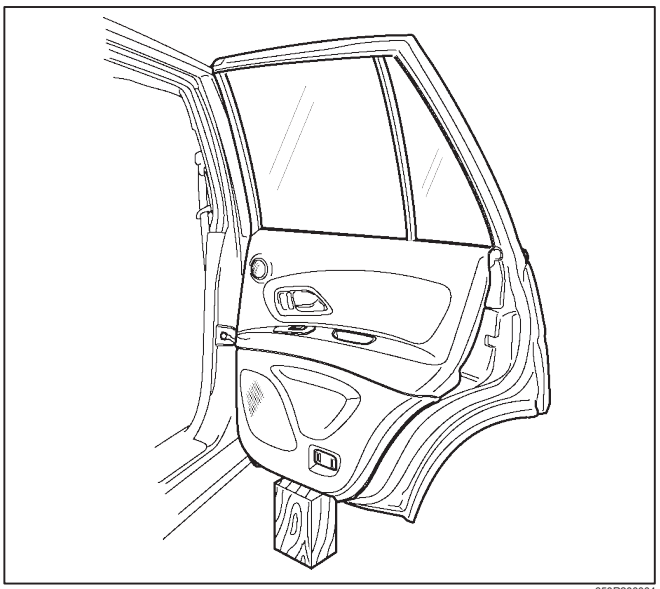
Removal

1. Disconnect the battery ground cable.
2. Apply a setting mark on the body side hinge.
3. Remove the door check arm bolt.



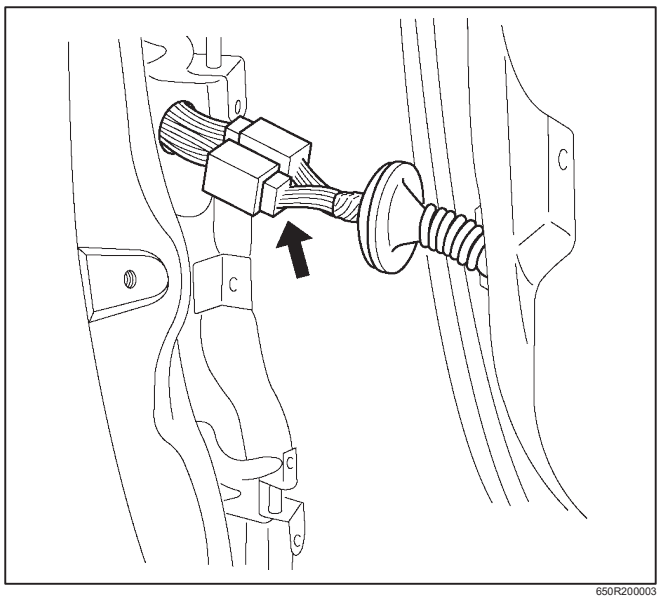
650R200002

4. Remove the upper and lower hinge bolts.
   - Position a wood block under the door for protection and support the door assembly with hands during removal or installation.



650R200004

5. Remove the door harness connectors.
   - Pull the door harness grommet out in order to disconnect the door harness connectors.



6. Remove the rear door assembly.

Installation

To install, follow the removal steps in the reverse order, noting the following points:

1. Align the door fitting to the body by referring to Front Door Assembly in this section.
2. Tighten the door hinge bolts to the specified torque.

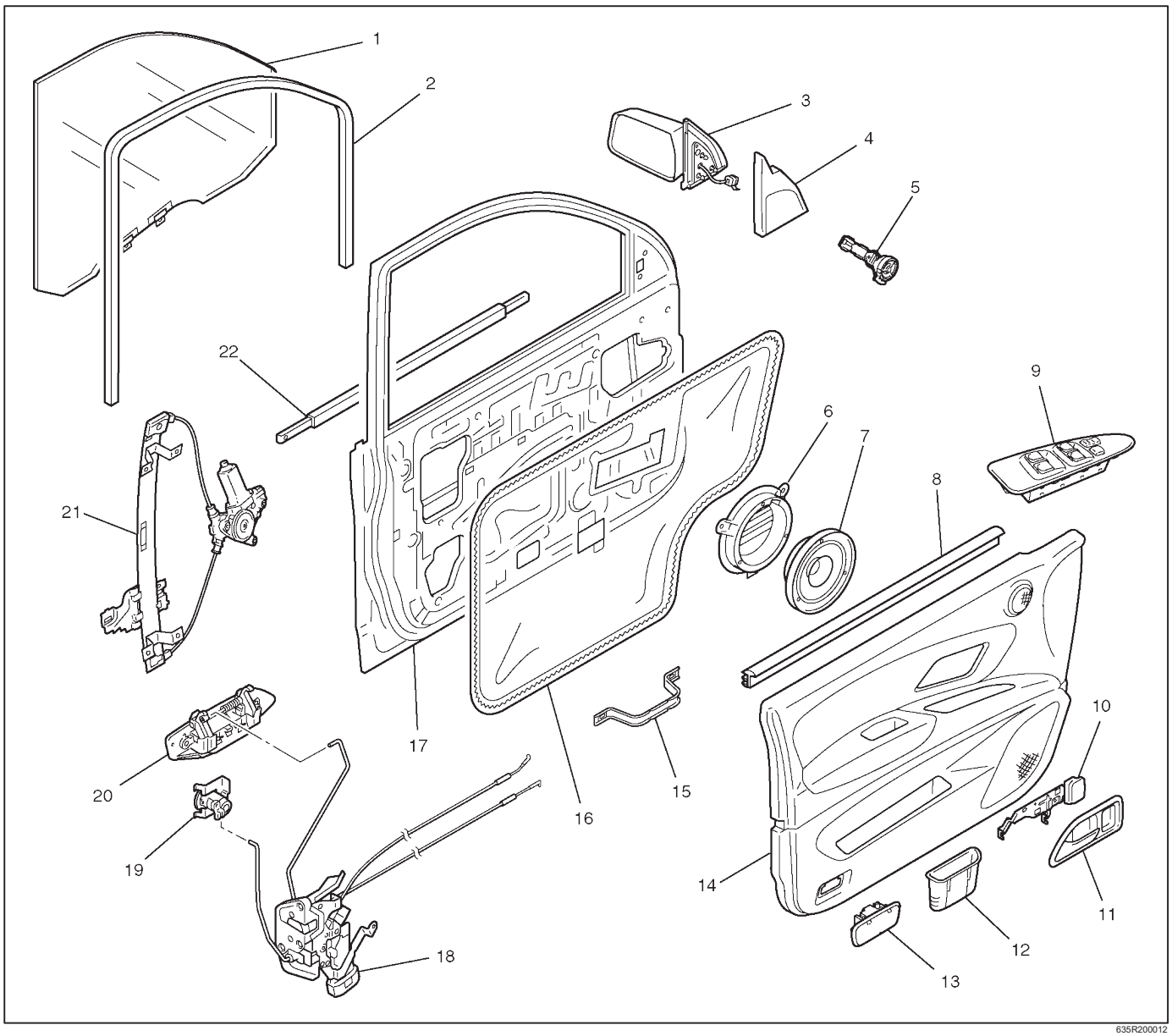
   Torque : 34 N·m (25 lb ft)

3. Tighten the door check arm bolt and nuts to the specified torque.

   Torque : 9 N·m (78 lb in)

Front Window Regulator, Glass and Glass Run

Parts Location



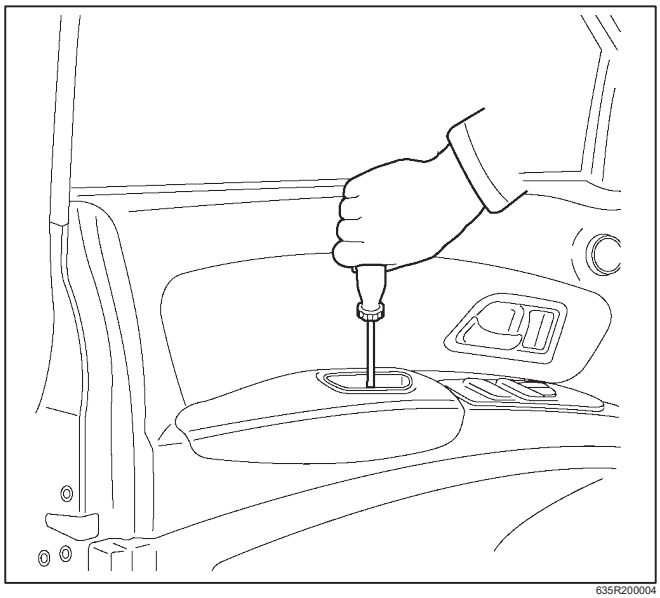
635R200012

Legend

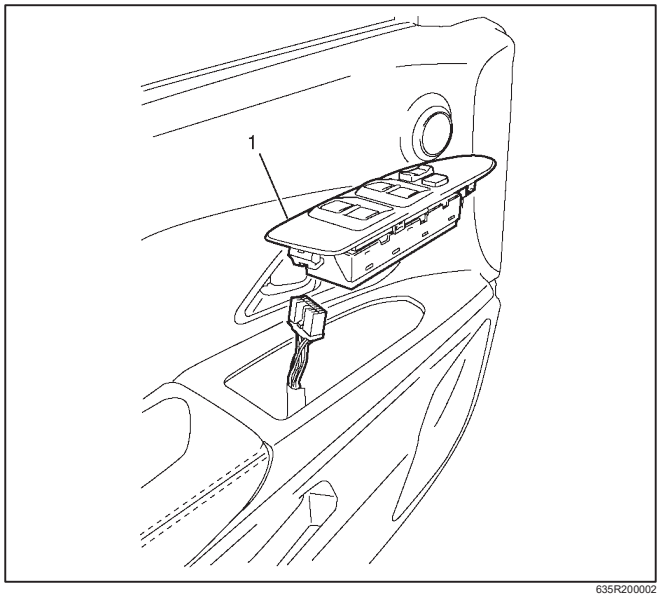
(1) Glass
(2) Glass Run
(3) Door Mirror Assembly
(4) Door Mirror Cover
(5) Tweeter
(6) Speaker Spacer
(7) Speaker Assembly
(8) Inner Waist Seal
(9) Door Trim Panel
(10) Power Window Switch
(11) Inside Lock Bracket
(12) Inside Handle
(13) Pull Box
(14) Courtesy Light
(15) Pull Box Bracket
(16) Waterproof Sheet
(17) Front Door Panel
(18) Door Lock Assembly
(19) Door Lock Cylinder
(20) Outside Handle
(21) Window Regulator
(22) Outer Waist Seal

Removal

1. Disconnect the battery ground cable.
2. Remove the pull box.
   - Remove the one fixing screw.

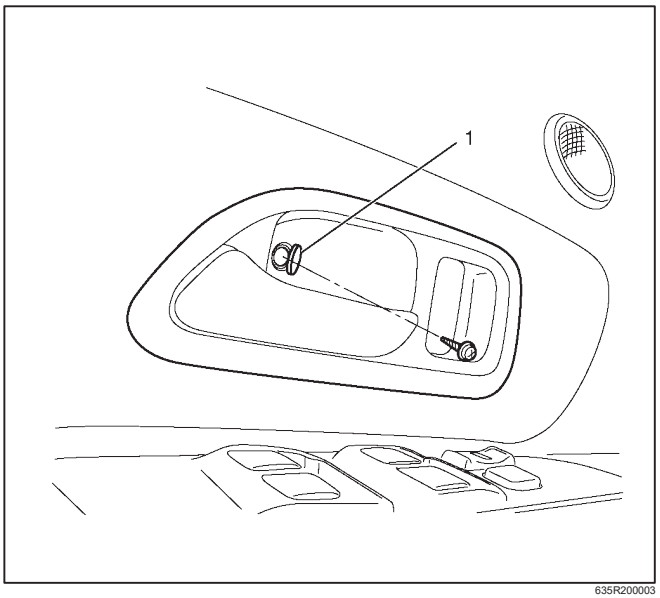

635R200004

3. Remove the power window switch (1).
   - Pull the power window switch and remove the connector.



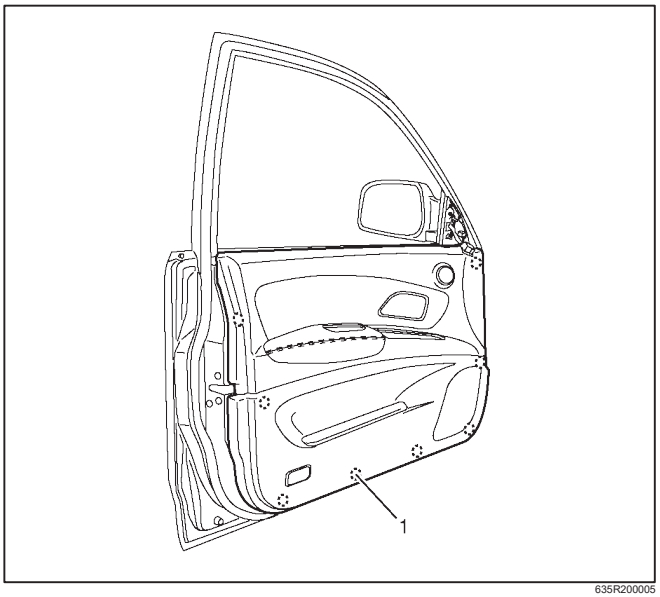
635R200002

4. Remove the inside handle.
   - Open the screw cover (1) and remove the screw.
   - Disconnect the cable.



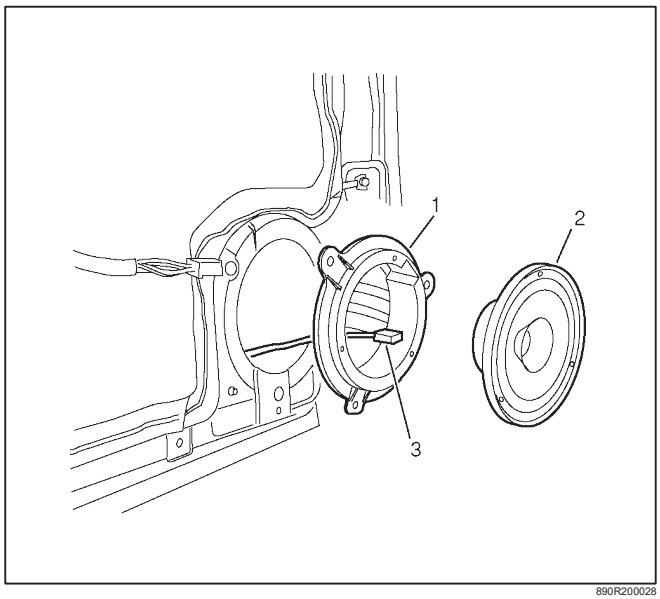
635R200003

5. Remove the door mirror cover.
6. Remove the trim panel at the 8 clip positions (1).
   - Disconnect the tweeter and courtesy light connectors.



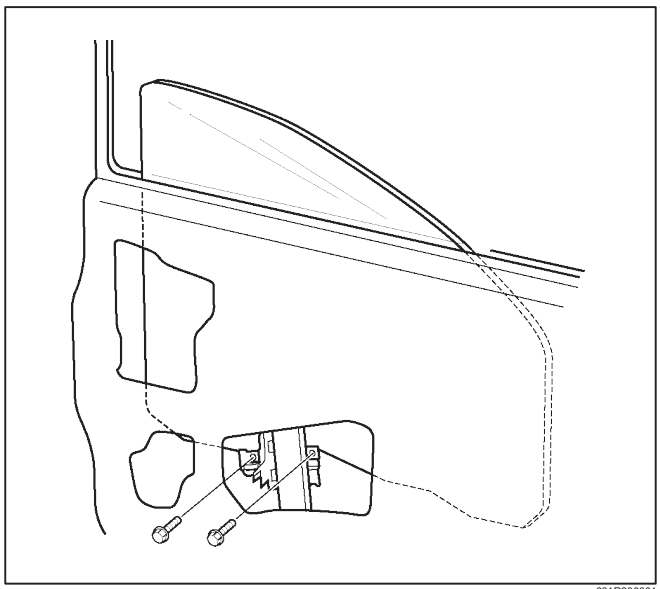
635R200005

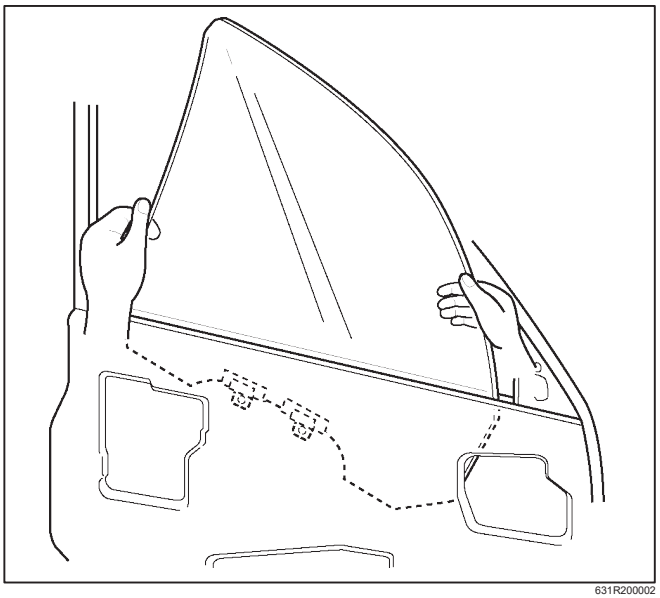
7. Remove the inner waist seal.
8. Remove the tweeter.
9. Remove the courtesy light.
10. Remove the pull box bracket.
11. Remove the inside lock bracket.
    - Disconnect the cable.
12. Remove the speaker (2) and speaker spacer (1).
    - Disconnect the speaker connector (3).



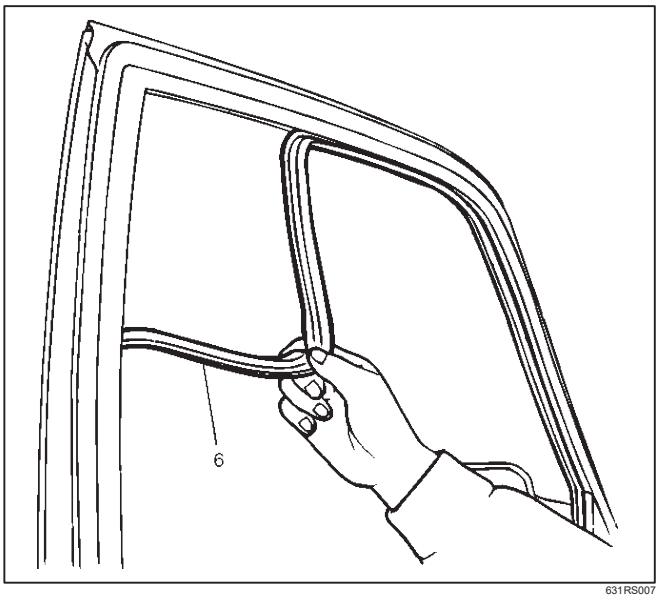
890R200028

13. Remove the waterproof sheet.
14. Remove the outer waist seal.
    - Remove the rear side screw and pull the outer waist seal upward.
15. Remove the window glass.
    - Operate the requlator (power window switch) to adjust the glass height and expose the access hole. Remove the 2 bolts fixing the bottom channel and the requlator. Remove the glass.


631R200001


631R200002

16. Remove the window regulator.
    - Remove the 7 fixing bolts and disconnect the window regulator motor harness connector.
17. Remove the glass run.
    - Pull the glass run (6) from the door frame.



631RS007

Installation

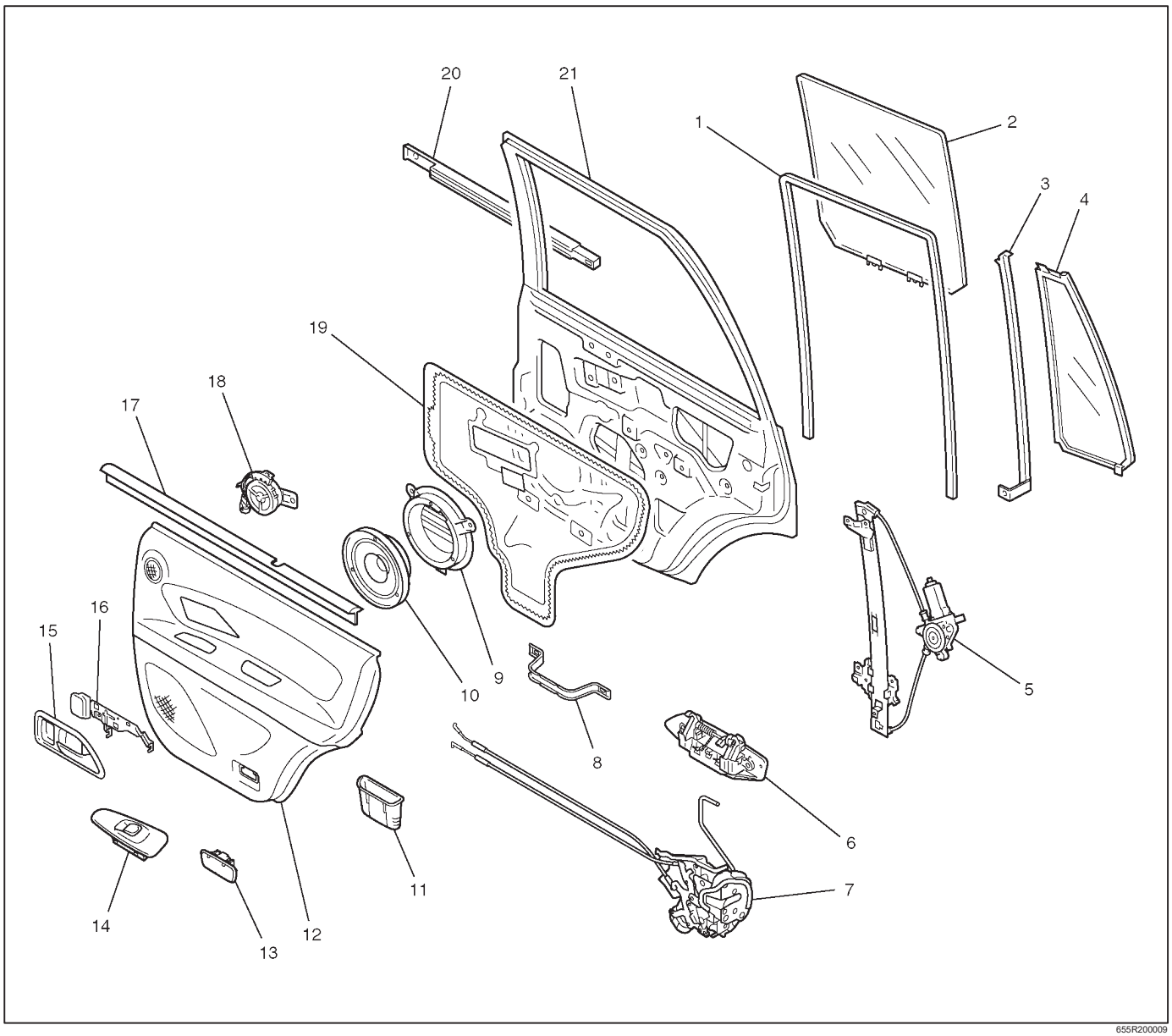
To install, follow the removal steps in the reverse order, noting the following points:

1. Check to see that the window regulator operates smoothly and the glass opens and closes properly.
2. Install the waterproof sheet tightly against the door panel.
3. Tighten the window regulator assembly fixing bolts to the specified torque.

Torque : 6 N·m (52 lb in)

Rear Window Regulator, Glass and Glass Run

Parts Location



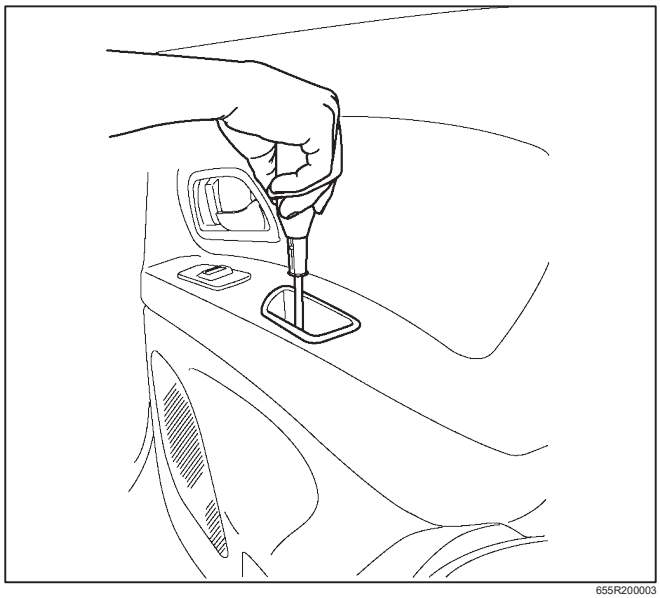
655R200009

Legend

(1) Glass Run
(2) Glass
(3) Division Bar
(4) Fixed Glass
(5) Window Regulator
(6) Outside Handle
(7) Door Lock Assembly
(8) Pull Box Bracket
(9) Speaker Spacer
(10) Speaker
(11) Pull Box
(12) Door Trim Panel
(13) Courtesy Light
(14) Power Window Switch
(15) Inside Handle
(16) Inside Lock Bracket
(17) Inner Waist Seal
(18) Tweeter
(19) Waterproof Sheet
(20) Outer Waist Seal
(21) Rear Door Panel

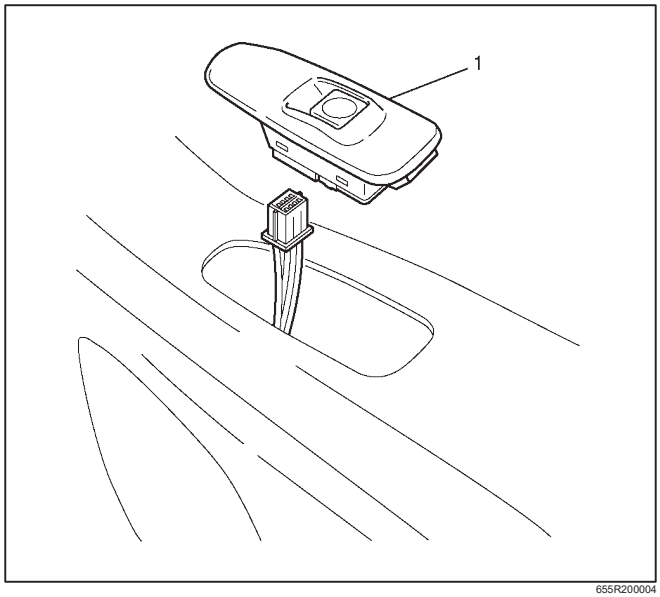
Removal

1. Disconnect the battery ground cable.
2. Remove the pull box.
   - Remove the fixing screw.



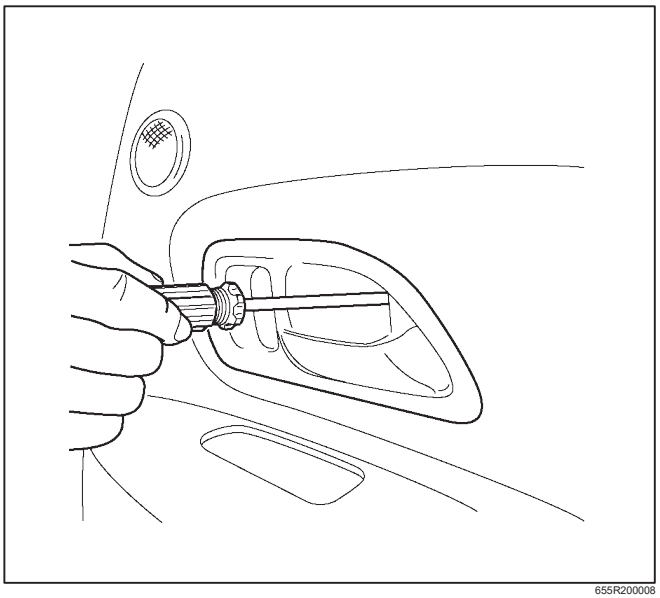
655R200003

3. Remove the power window switch (1).
   - Pull the power window switch and remove the connector.



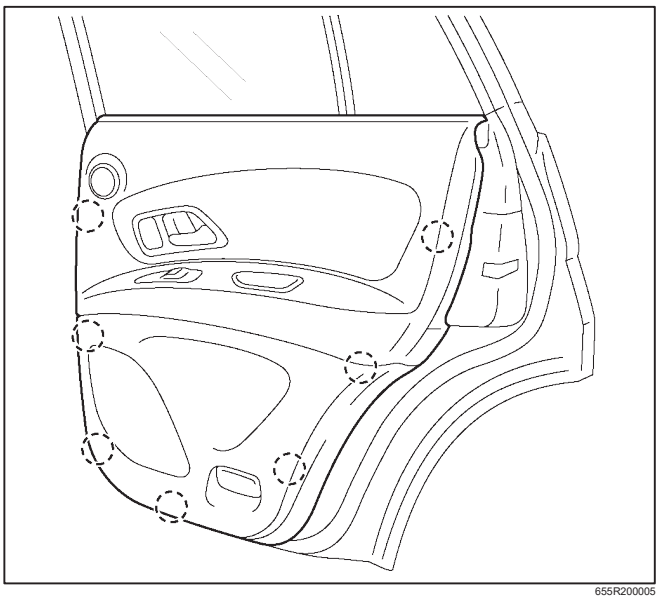
655R200004

4. Remove the inside handle.
   - Open the screw cover and remove the screw.
   - Disconnect the cable.



655R200008

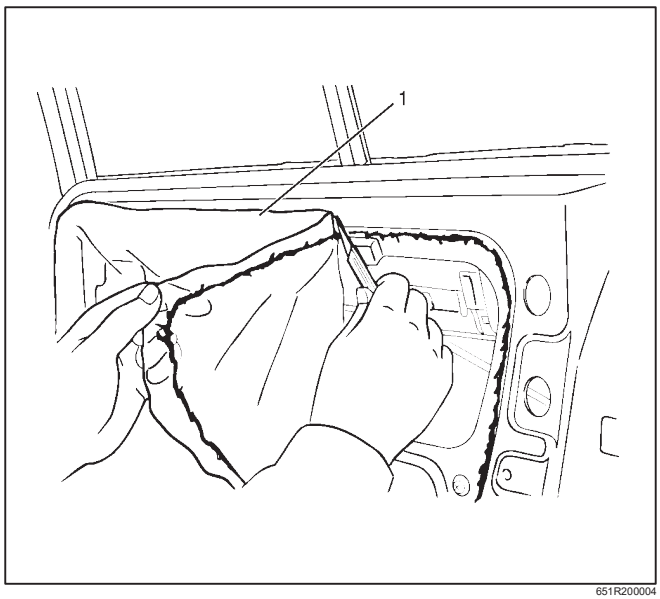
5. Pull the trim panel at the 7 clip positions.
   - Disconnect the tweeter and courtesy light connectors.



655R200005

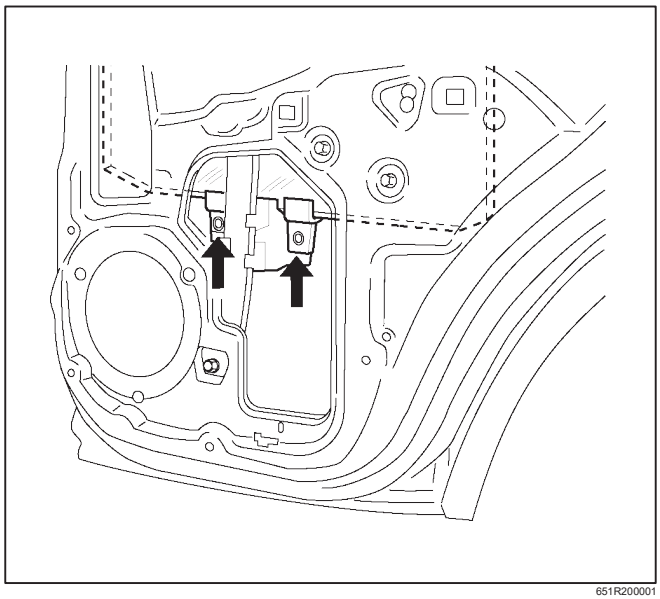
6. Remove the inner waist seal.
7. Remove the tweeter and the courtesy light.
8. Remove the pull box bracket.
9. Remove the speaker and the speaker spacer.
   - Disconnect the speaker harness connector.
10. Remove the inside lock bracket.
    - Disconnect the cable.

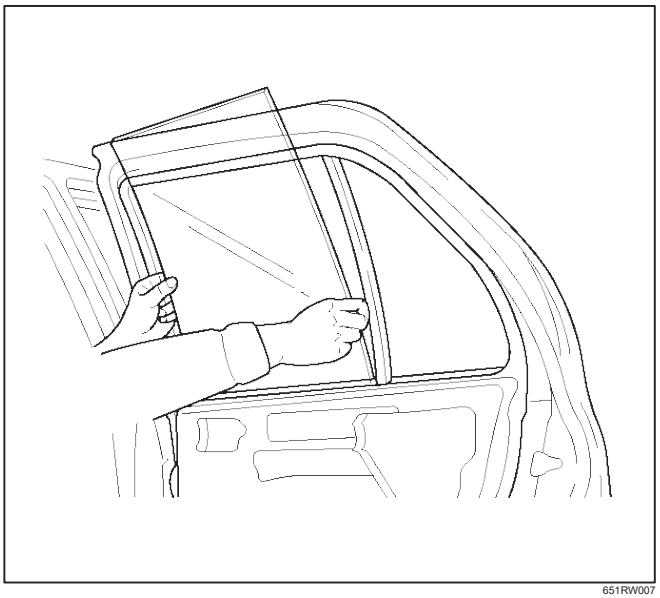
11. Remove the waterproof sheet (1).
    - Taking notice of the door harness, peel the waterproof sheet off the door panel carefully.



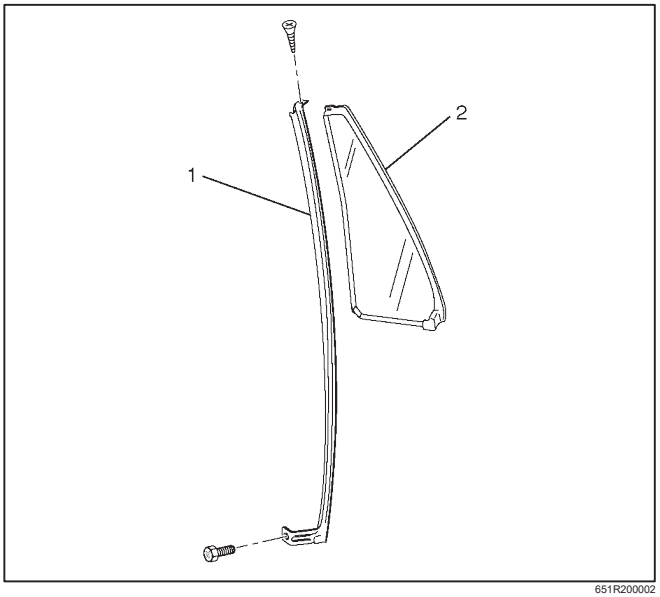
651R200004

12. Remove the outer waist seal.
    - Remove the front side screw and pull the waist seal upward.
13. Remove the window glass.
    - Operate the requlator (powe window switch) to adjust the glass hight and expose the access hole. Remove the 2 bolts fixing the bottom channel and the requlator. Remove the galss.


651R200001

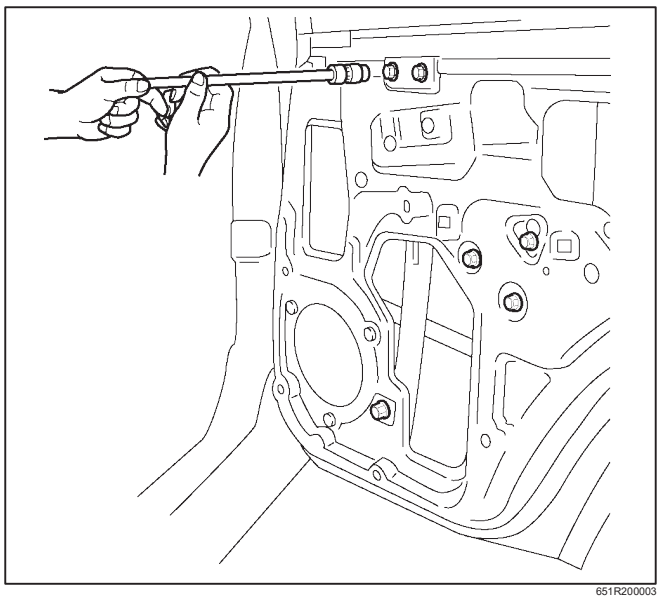

651RW007

- Remove the fixed window glass (2) by removing the screw from the top of the division bar (1) and the bolt from the bottom of the division bar.



651R200002

14. Remove the window regulator.
    - Remove the 6 fixing bolts and pull the regulator out from the lower hole of the door panel.


651R200003

15. Remove the glass run.
    - Pull the glass run from the door frame.

Installation

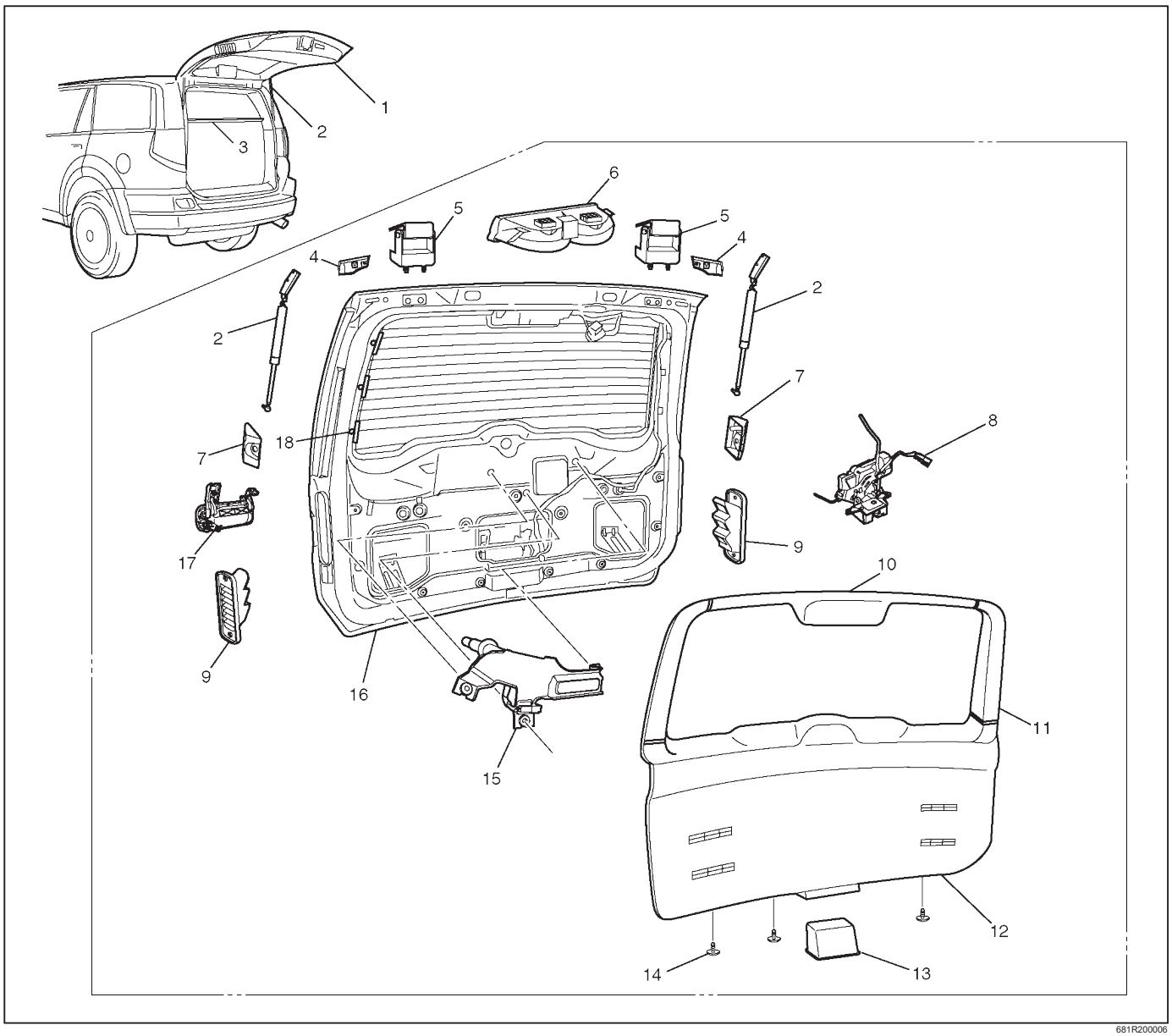
To install, follow the removal steps in the reverse order, noting the following points:

1. Check to see that the window regulator operates smoothly and the glass opens and closes properly.
2. Install the waterproof sheet tightly against the door panel.
3. Tighten the window regulator assembly fixing bolts to the specified torque.

Torque : 6 N·m (52 lb in)

Tailgate

Parts Location



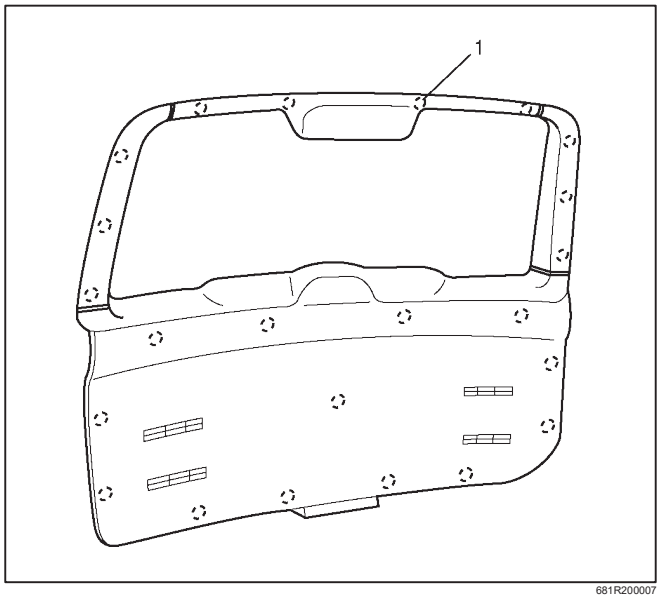
681R200006

Legend

(1) Tailgate Assembly
(2) Tailgate Stay Assembly
(3) Rear Roof Trim Cover
(4) Tailgate Upper Cover Assembly
(5) Tailgate Hinge
(6) High Mount Stoplight
(7) Dove Tail
(8) Tailgate Lock Assembly
(9) Vent Grill
(10) Tailgate Upper Center Trim Cover
(11) Tailgate Upper Side Trim Cover
(12) Tailgate Lower Trim Cover
(13) Tailgate Pull Box
(14) Clip
(15) Rear Wiper Motor Assembly
(16) Tailgate Panel Assembly
(17) Outside Handle
(18) Clip

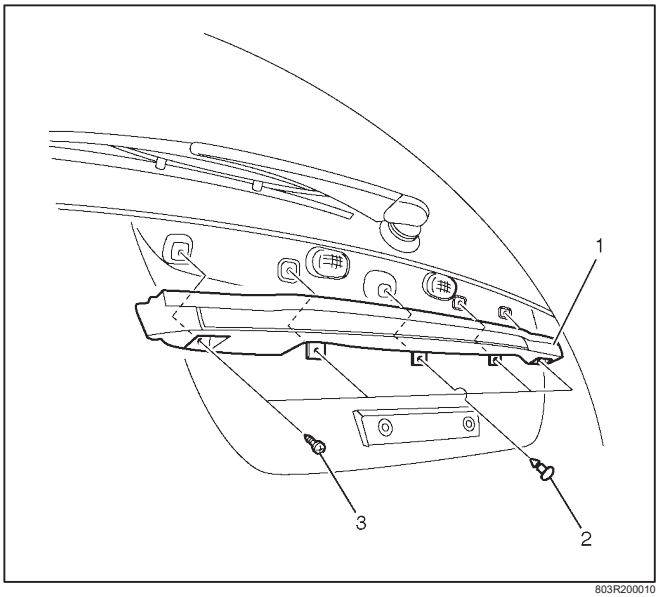
Removal

1. Disconnect the battery ground cable.
2. Remove the rear roof trim cover.
   - Pry the six clip positions free from the body panel.
3. Remove the tailgate upper center trim cover.
   - Pry the four clip positions (1) free from the tailgate.
4. Remove the tailgate pull box.
   - Pry the tailgate pull box from the tailgate assembly.
5. Remove the three clips.
6. Remove the tailgate lower trim cover.
   - Pry the thirteen clip positions (1) free from the tailgate.
7. Remove the tailgate upper side trim cover.
   - Pry the three clip positions (1) free from the tail gate (RH/LH).



681R200007

8. Disconnect the high mount stoplight and rear defogger and tailgate lock harness connectors.
9. Pull out the washer hose.
10. Remove the tailgate hinges (RH/LH).
    - Remove the two bolts.
11. Remove the tailgate stay assembly (RH/LH).
    - Remove the two bolts.
12. Remove the tailgate assembly.
    - Remove the tailgate assembly may require two people.
    - Carefully remove the tailgate assembly not to damage the hinge.
13. Remove the tailgate upper cover assemblies (RH/LH).
14. Remove the dove tails (RH/LH).
15. Remove the vent grills (RH/LH).
16. Remove the high mount stoplight.
17. Remove the rear wiper arm.
    - Refer to *Rear Wiper Arm/Blade in Wiper/Washer System section.*
18. Remove the rear wiper motor assembly.
19. Remove the tailgate lock assembly and outside handle.
    - Refer to *Tailgate Lock in Security And Locks section.*
20. Remove the license plate garnish (1).
    - Remove the four screws (3) and the clip (2).



803R200010

21. Remove the license plate light.
22. Remove the tailgate harness.

Installation

To install, follow the removal steps in the reverse order, noting the following points:

1. When installing the hinge to the body, exercise special care not to damage the body paint surface.
2. Align the tailgate fitting to the body.
   - Check the roof and tailgate (1).

   Clearance: 10.7 mm (0.42 in)

   Height (step): –2 mm (0.08 in)

   - Check the tailgate fitting to the rear quarter panel (2), (4).

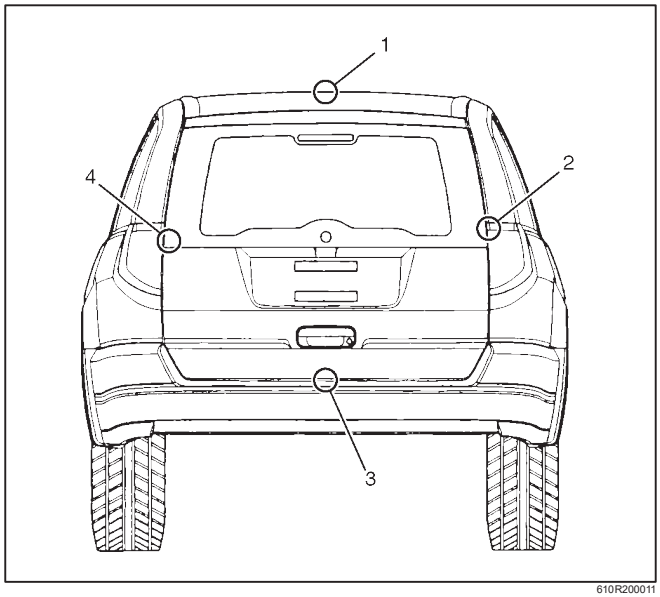
   Clearance: 5.0 mm (0.196 in)

   Height (step): Flush

   - Check the tailgate fitting to the rear bumper.

   Clearance: 6.5 mm (0.26 in)

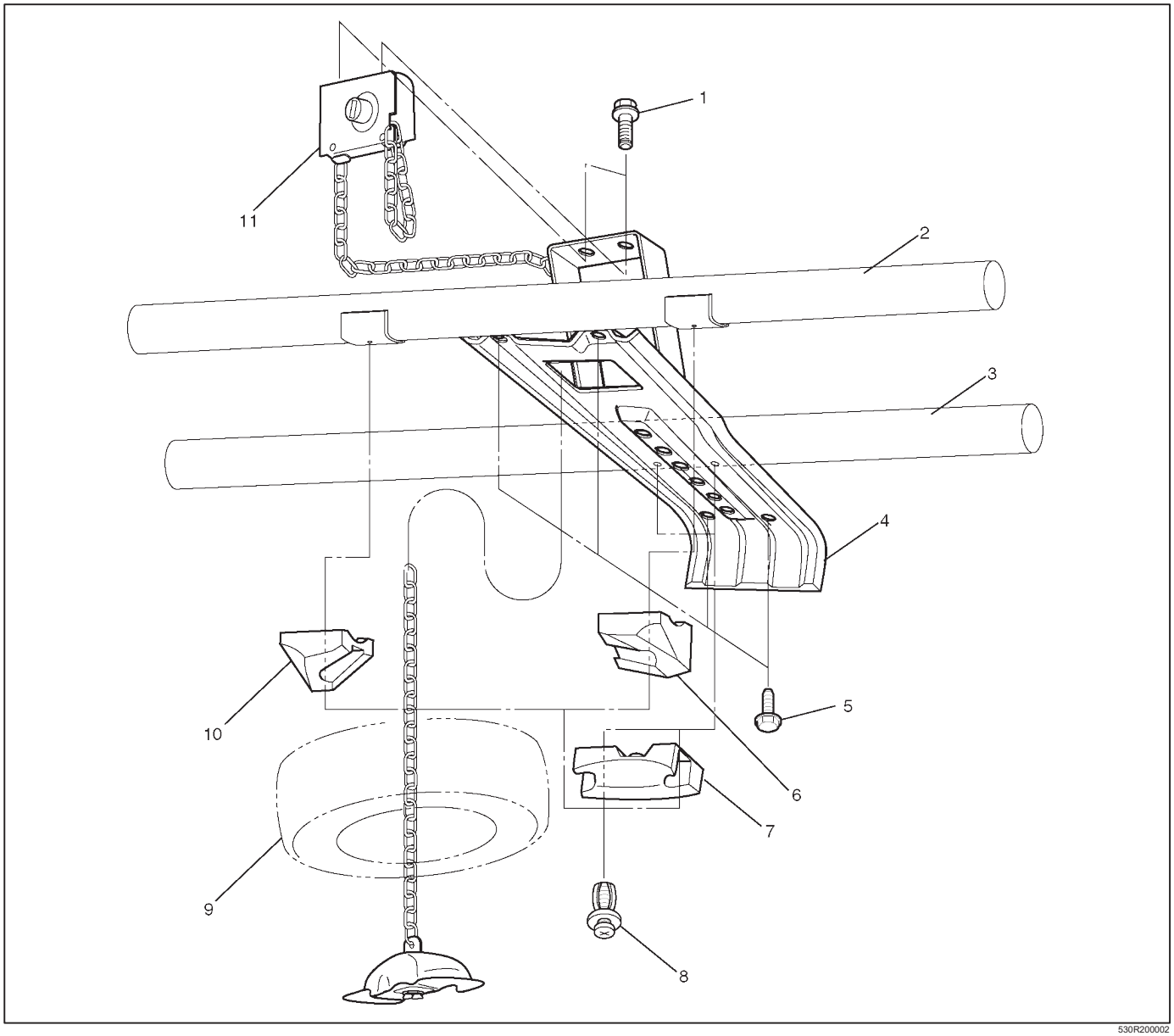
   Adjust clearance with tailgate hinges. Adjust height (step) by tapping on the tailgate lightly with a rubber hammer.



610R200011

Spare Tire Hanger

Parts Location



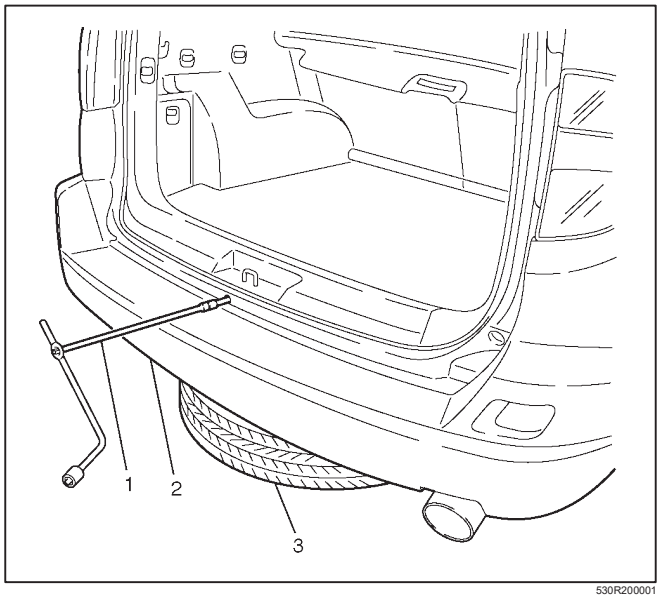
530R200002

Legend

(1) Spare Tire Hanger Assembly Fixing Bolt
(2) End Cross Member
(3) Rear Suspension · Cross Member
(4) Spare Tire Support
(5) Spare Tire Support Fixing Bolt
(6) Spare Tire Stopper Rubber (RH)
(7) Spare Tire Stopper Rubber (Front)
(8) Stopper Rubber Fixing Clip
(9) Spare Tire
(10) Spare Tire Stopper Rubber (LH)
(11) Spare Tire Hanger Assembly

Removal

1. Open the hatch gate and tail gate.
2. Remove the spare tire (3).
   - Put the spare tire handle (1) to the center of upper side of rear bumper (2) and turn counterclockwise. Put spare tire down.



530R200001

3. Remove the spare tire support.
   - Remove the four bolts that are fixed to frame cross member.
4. Remove the spare tire hanger assembly.
   - Remove the two fixing bolts.

Installation

To install, follow the removal steps in the reverse order, noting the following points:

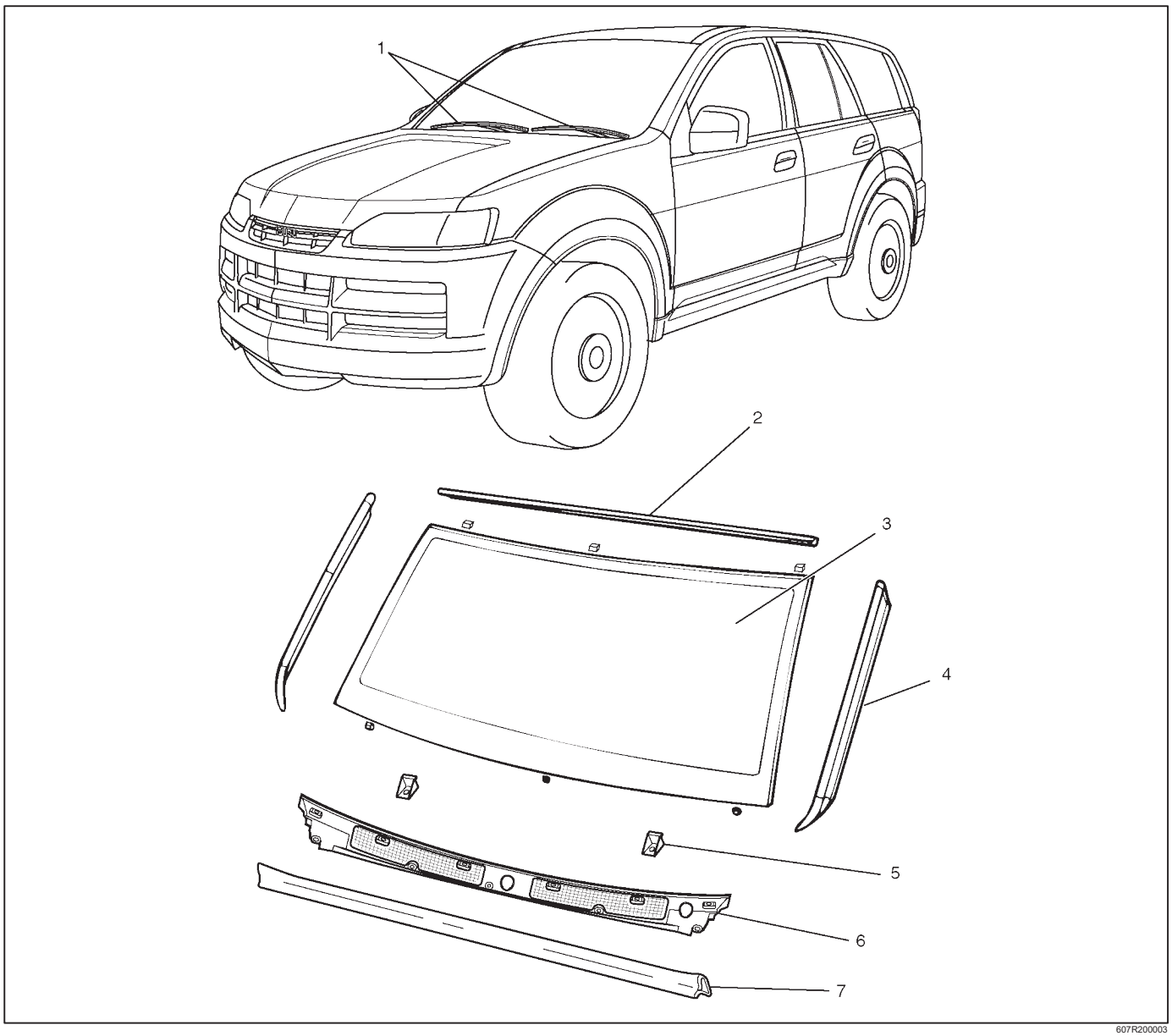
1. Install the spare tire firmly.
2. Tighten the spare tire support fixing bolts to the specified torque.

   Torque : 40 N·m (4.1 kg·m)
3. Tighten the spare tire hanger fixing bolts to the specified torque.

   Torque : 19 N·m (1.9 kg·m)

Windshield

Parts Location



607R200003

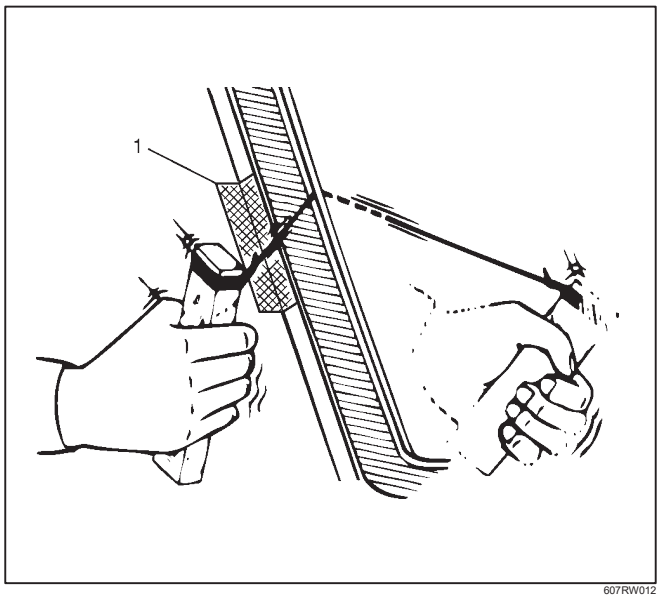
Legend

(1) Windshield Wiper Arm
(2) Windshield Upper Molding
(3) Windshield
(4) Windshield Side Molding
(5) Windshield Support
(6) Front Cowl Cover
(7) Hood Rear Seal

Removal

1. Disconnect the battery ground cable.
2. Remove the front pillar trim cover.
   - Turn up the finisher and pry the trim cover clips free from the body panel.
3. Remove the sunvisors and sunvisor holders.
   - Refer to *Headlining in Exterior/Interior Trim section.*
4. Remove the interior mirror.
   - Refer to *Interior Mirror Assembly in Exterior/Interior Trim section.*
5. Remove the windshield wiper arm.
   - Refer to *Windshield Wiper Arm/Blade in Wiper/Washer System section.*
6. Remove the windshield side molding.
   - Pull the molding out from drip rail.
7. Remove the front cowl cover.

8. Remove the windshield support.
9. Remove the upper moulding.
10. Remove the windshield.
    - Use a knife to cut through part of the adhesive caulking material.
    - Secure one end of a piece of steel piano wire (0.02 inches in diameter) to a piece of wood that can serve as a handle.
    - Use a pair of needle nose pliers to insert the other end of the piano wire through the adhesive caulking material at the edge of the windshield glass.
    - Secure the other end of the piano wire to another piece of wood.
    - With the aid of an assistant, carefully move the piano wire with a sawing motion to cut through the adhesive caulking material around the entire circumference of the windshield glass.
    - Attach some cloth tape (1) on the body for protecting the painting surface.



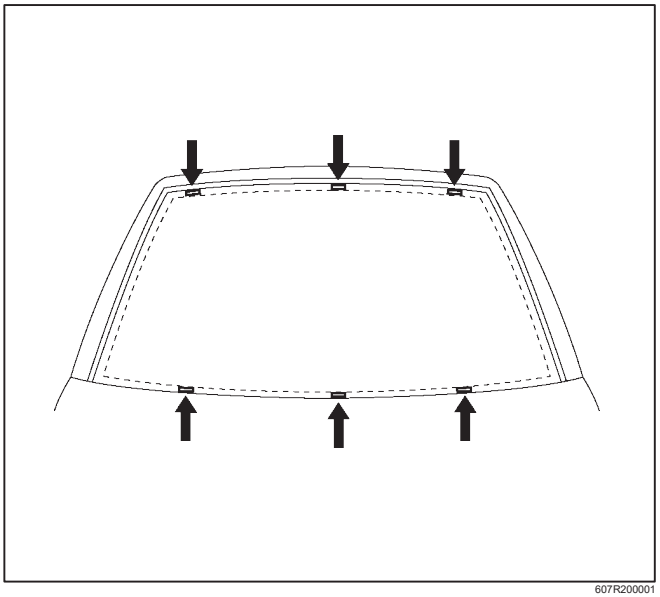
607RW012

    - Clean the remaining adhesive caulking material from the area of the body which holds the windshield.

Installation

To install, follow the removal steps in the reverse order, noting the following points:

1. Clean the bonding surfaces of both the windshield and body panel with a soft rag and white gasoline.
2. Install the spacer.
    - Attach spacers in six locations as shown in the figure.
    - Always use new spacer.


607R200001

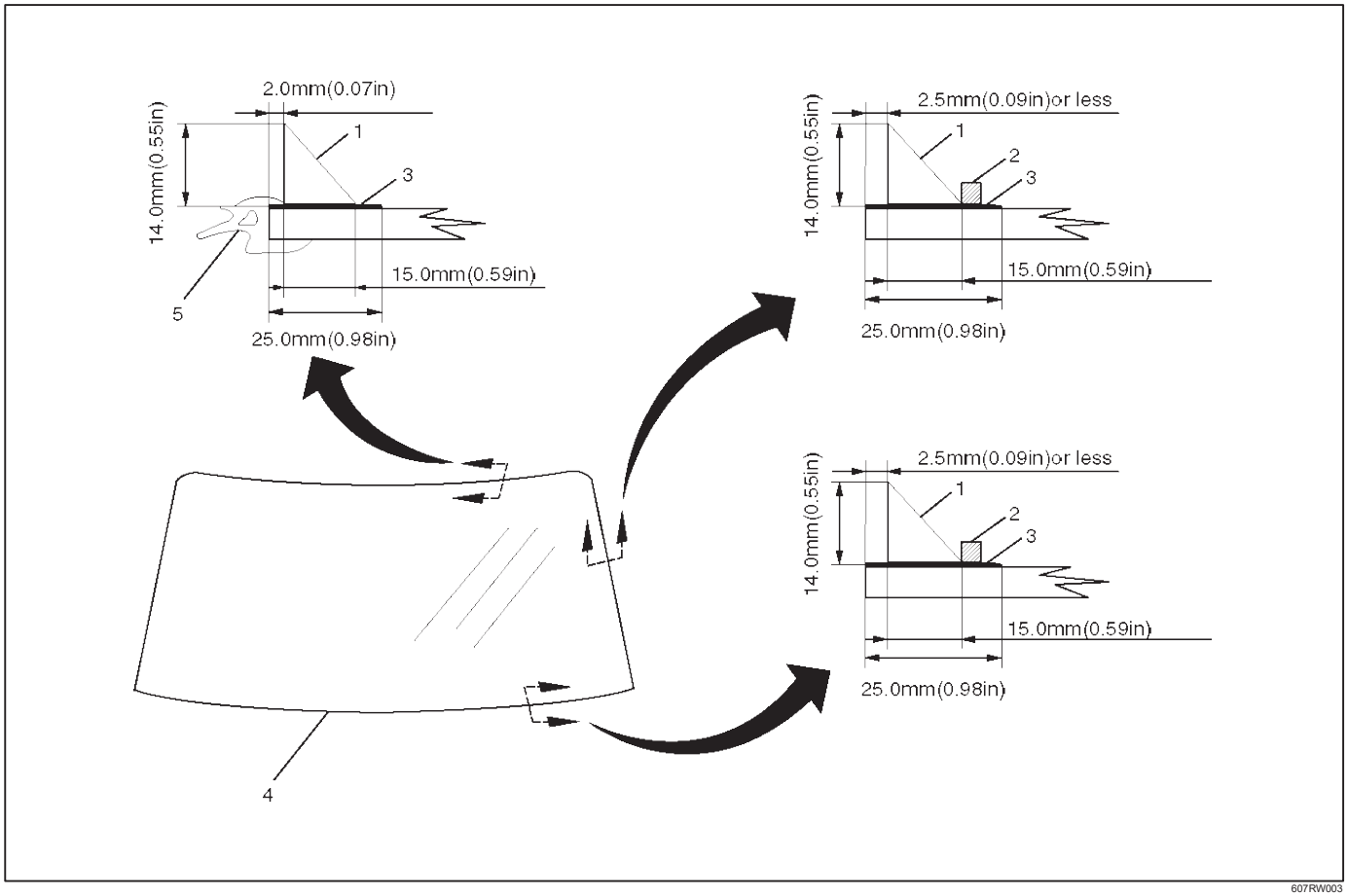
3. Install the windshield upper molding.
    - Peel off the tear-away paper from the windshield upper molding, and start applying it with one end of the glass and cut away the surplus at the other end of the glass for length adjustment.
    - Always use new upper molding.
4. Temporary install the windshield support.
5. Apply the primer to the windshield and body panel.
    - Apply the primer (3) (Sun star # 435-40 or equivalent) to the windshield side bonding surface as shown in the figure.
    - Apply the primer (Sun star # 435-95 or equivalent) to the body side bonding surface.

NOTE: Apply an adhesive 3 minutes or more but within 24 hours after the application of primer. If more than 24 hours have passed, reapply primer.

Primer should be handled as following:

1. Use the primer manufactured 3 months or less ago and having been kept in an refrigerator.
2. Wipe off primer-stains on positions other than requires application.

3. Stir the primer for a minute or more before use.

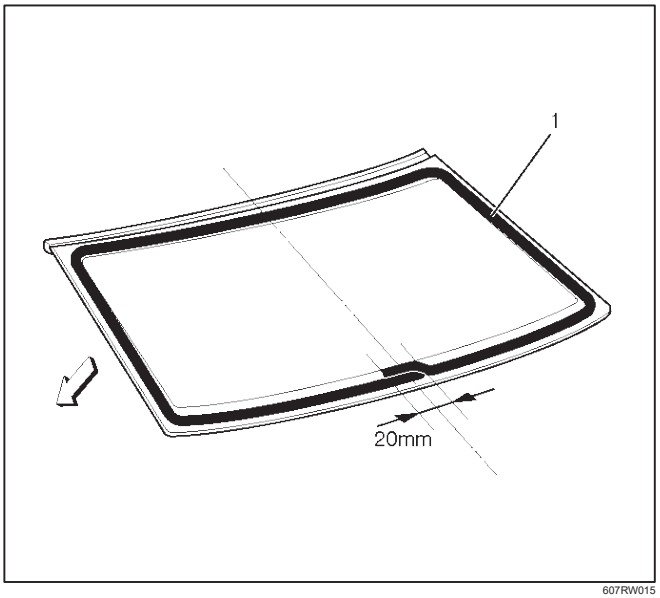


607RW003

Legend

(1) Adhesive
(2) Sealing Dam
(3) Primer Coating Area
(4) Windshield
(5) Upper Molding

6. Apply the adhesive (1) to the windshield.
   - After drying primer completely, apply a sealing adhesive (Sun star # 555 or equivalent) along the edge of the glass so that the sealing adhesive has a 20 mm (0.79 in) junction at middle of the base of the glass.



607RW015

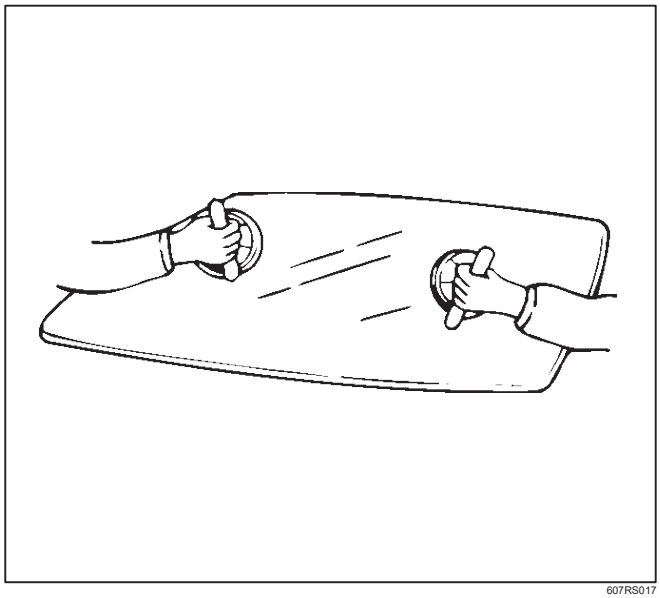
NOTE: Apply an adhesive 3 minutes or more but within 24 hours after the application of primer. If more than 24 hours have passed, reapply primer.

Adhesive should be handled as follows:

1. Use the adhesive manufactured 3 months or less ago.
2. Wipe off adhesive-stains on positions other than requires application.

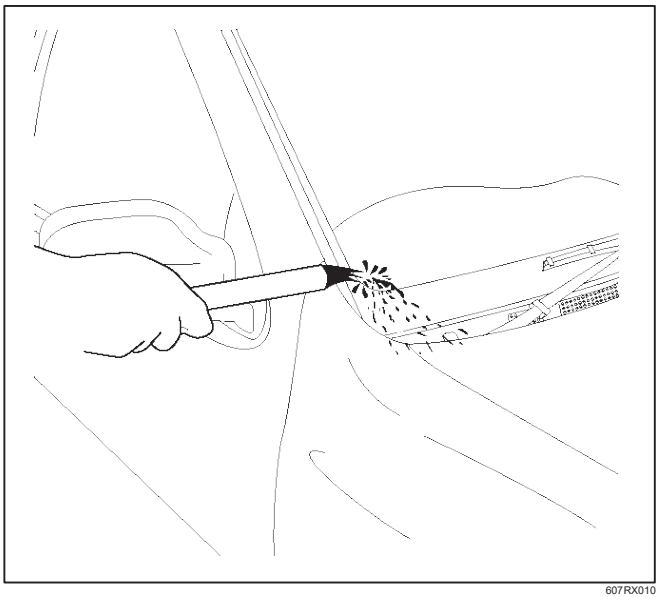
7. Install the windshield.
   - Set the windshield with sealing adhesive applied to entire circumference in the body panel. Specifically, adjust windshield support with the upper molding making contact with the body panel, press the glass, and tighten the windshield support.

NOTE: Affix the glass within 5 minutes of application.



607RS017

8. Install the front cowl cover.
9. Install side molding.
   - Use alcohol wipe or equivalent cleaner with soft cloth to wipe away any excess adhesive.
   - Cure the bonding at a temperature of 20˚C – 30˚C (68˚F – 86˚F) for 24 hours.
   - Check the windshield for any signs of water leak.

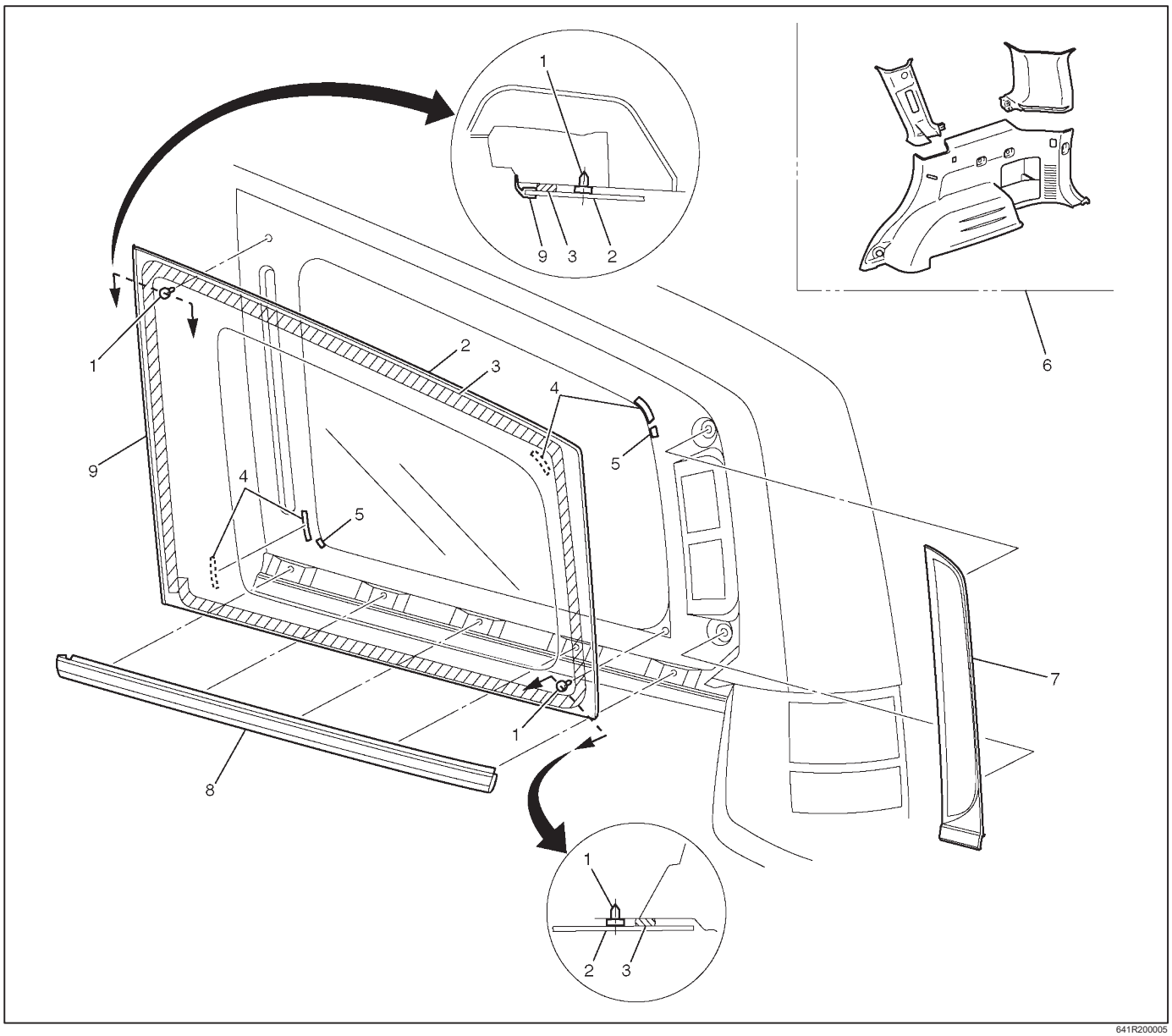


607RX010

10. Install windshield wiper arm.

Rear Quarter Glass

Parts Location



641R200005

Legend

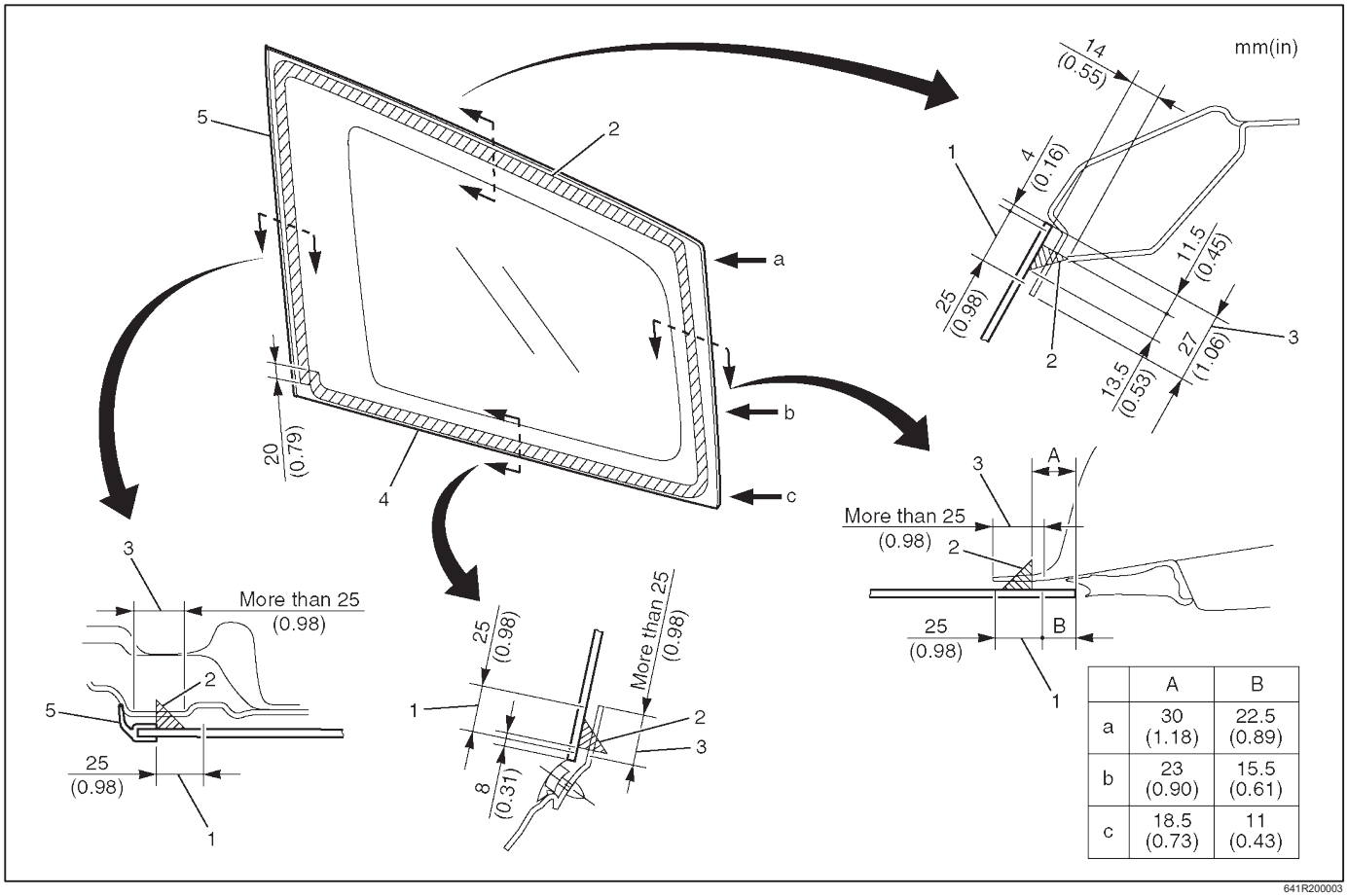
(1) Clip
(2) Rear Quarter Glass
(3) Adhesive
(4) Fastener Tape
(5) Spacer
(6) Rear Quarter Trim Covers
(7) Air Outlet Garnish Assembly
(8) Rear Quarter Moulding
(9) Moulding

Removal

1. Disconnect the battery ground cable.
2. Remove the rear quarter trim covers.
   - Refer to *Interior Trim Panels in Exterior/Interior Trim section.*
3. Remove the air outlet garnish assembly.
   - Pry the two clip positions free from the body panel.
4. Remove the rear quarter moulding.
   - Pry the five clip positions free from the body panel.
5. Remove the rear quarter glass.
   - Refer to *Windshield in this section.*

Installation

To install, follow the removal steps in the reverse order, noting the following points:



	A	B
a	30 (1.18)	22.5 (0.89)
b	23 (0.90)	15.5 (0.61)
c	18.5 (0.73)	11 (0.43)

Legend

(1) Primer Coating Area (Glass side)
(2) Adhesive
(3) Primer Coating Area (Body panel side)
(4) Rear Quarter Glass
(5) Moulding

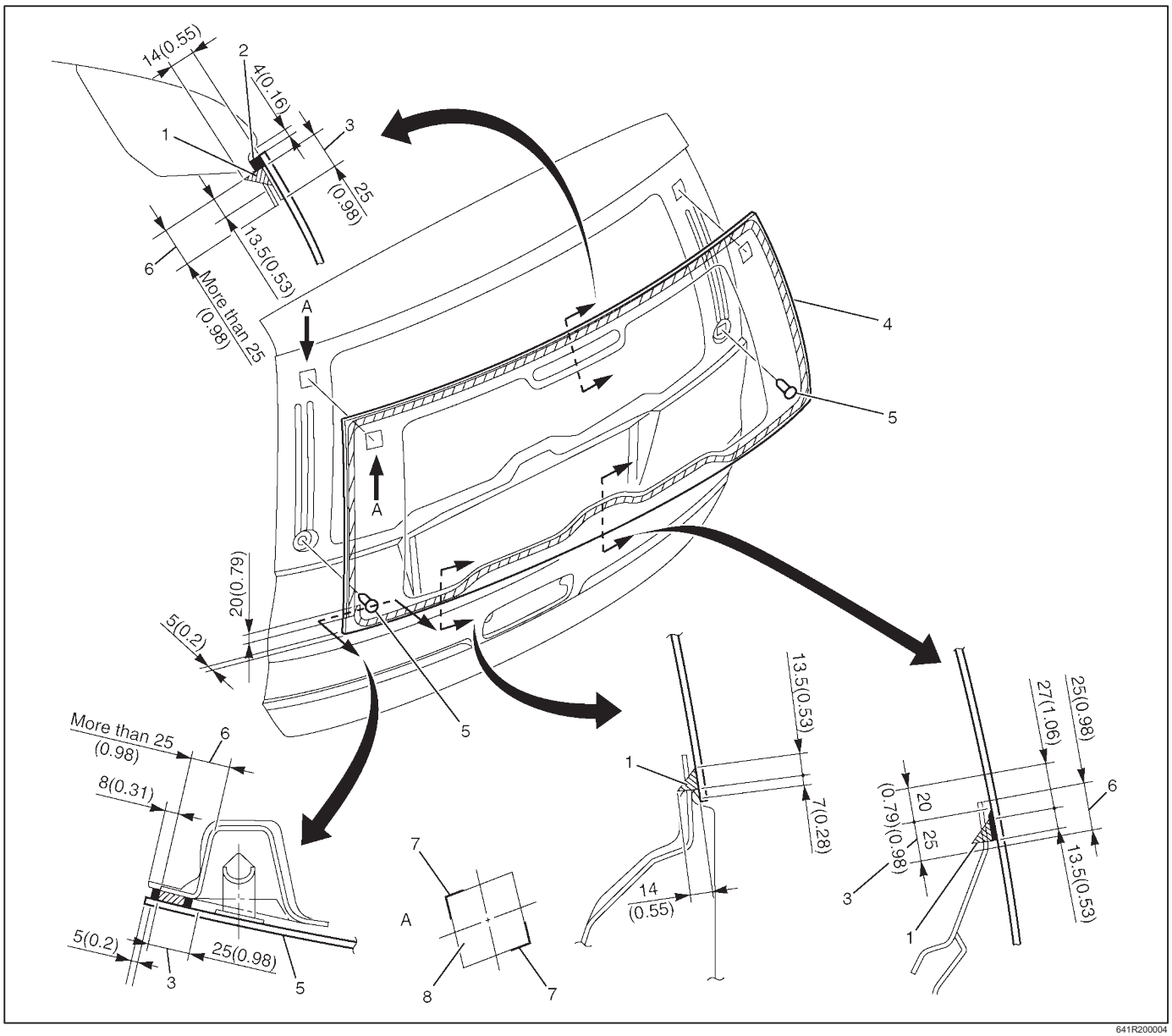
1. Clean the bonding surfaces of both the window glass and body panel with a soft rag and white gasoline.
2. Apply the primer to the window glass and body panel.
   - Apply the primer (Sun star # 435-40 or equivalent) to the window glass side bonding surface as shown in the figure.
   - Apply the primer (Sun star # 435-95 or equivalent) to the body side bonding surface.
3. Apply sealing adhesive to the window glass.
   - Make sure that the primer has dried completely.
   - Apply sealing adhesive (SunStar 555 or the equivalent) to the circumference of the window glass. There should be a 20 mm (0.79 in) overlap at the lower front corner of the glass.
4. Attach the fastener tape and spacers to the points shown in the illustration.
5. Attach the glass clips to the panel. Press the glass into the panel until it adheres to the panel.

NOTE: Immediately wipe away any excess sealing adhesive oozing from the panel and glass.

6. Allow the assembly to dry for 24 hours (20~30˚C).
7. Check to make sure that there is no water leakage from the rear quarter glass.

Tailgate Glass

Parts Location



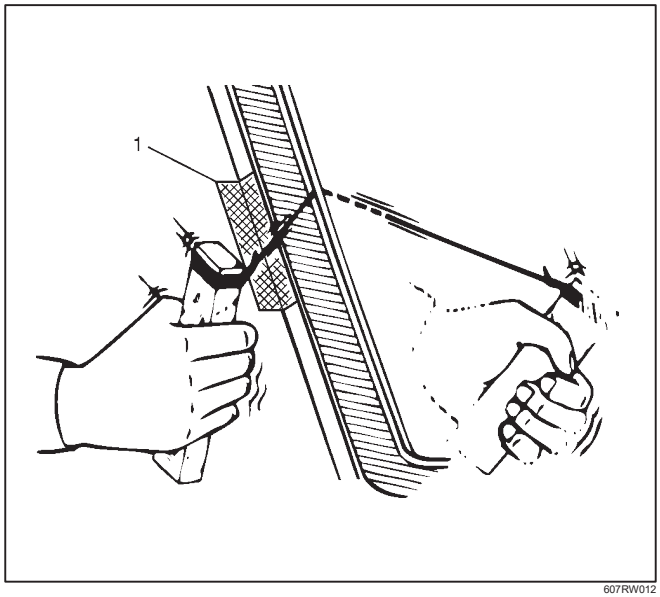
Legend

(1) Adhesive
(2) Sealing Dam
(3) Primer Coating Area (Glass Side)
(4) Tailgate Glass
(5) Clip
(6) Primer Coating Area (Body Panel Side)
(7) Mark Stamping Location
(8) Fastner

Removal

1. Disconnect the battery ground cable.
2. Remove the tailgate trim covers.
   - Refer to *Tail Gate in Body Structure section.*
3. Remove the rear wiper arm.
   - Refer to *Rear Wiper Arm/Blade in Wiper/Washer System section.*
4. Remove the license plate garnish.
   - Refer to *Tailgate in this section.*
5. Disconnect the high mount stoplight and rear defogger harness connector.
6. Remove the high mount stoplight.

7. Remove the tailgate glass assembly.
   - Use a knife to cut through part of the adhesive caulking material. Secure one end of a piece of steel piano wire (0.02 inches in diameter) to a piece of wood that can serve as a handle.
   - Use a pair of needle nose pliers to insert the other end of the piano wire through the adhesive caulking material at the edge of the tailgate glass.
   - Secure the other end of the piano wire to another piece of wood.
   - With the aid of an assistant, carefully move the piano wire with a sawing motion to cut through the adhesive caulking material around the entire circumference of the tailgate glass.
   - Attach some cloth tape (1) on the body for protecting the painting surface.



607RW012

   - Clean the remaining adhesive caulking material from the area of the body which holds the tailgateglass.

Installation

To install, follow the removal steps in reverse order, noting the following points:

1. Clean the bonding surfaces of both the tailgate glass and tailgate with a soft rag and white gasoline.
2. Apply the primer to the tailgate glass and tailgate.
   - Apply the primer (Sun star # 435-40 or equivalent) to the tailgate side bonding surface.
   - Apply the primer (Sun star # 435-95 or equivalent) to the tailgate side bonding surface.

NOTE: Apply an adhesive 3 minutes or more but with in 24 hours after the application of primer. If more than 24 hours have passed, reapply primer.

Primer should be handled as following:

1. Use the primer manufactured 3 months or less ago having been kept in an refrigerator.
2. Wipe off primer-stains on positions other than require application.
3. Stir the primer for a minute or more before use.

3. Apply the adhesive to the tailgate glass.
   - After drying primer completely, apply a sealing adhesive (Sun star # 555 or equivalent) along the edge of the glass so that the sealing adhesive has a 20 mm (0.79 in) junction at middle of the base of the glass.

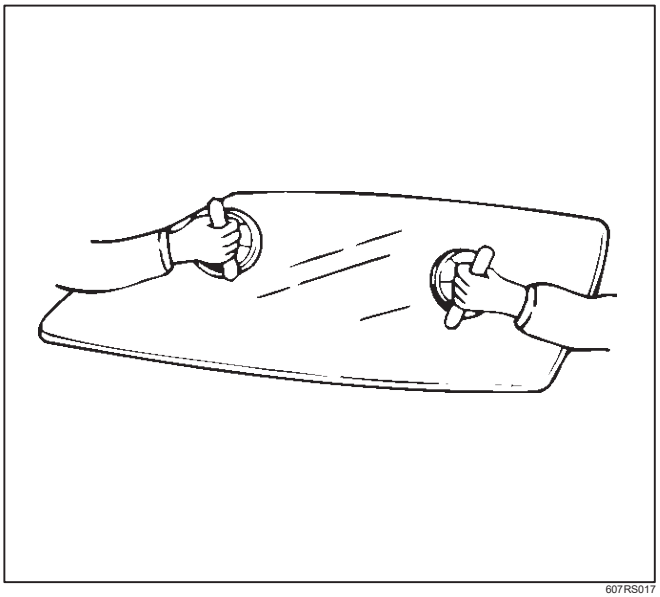
NOTE: Adhesive an adhesive 3 minutes or more but with in 24 hours after the application of primer. If more than 24 hours have passed, reapply primer.

Primer should be handled as follows:

1. Use the adhesive manufactured 3 months or less ago.
2. Wipe off adhesive-stains on positions other than requires application.

4. Install the tailgate glass.
   - Set the window (adhesive applied) to the tailgate window frame. Carefully align the clips (bottom corners) and fasteners (top corners).

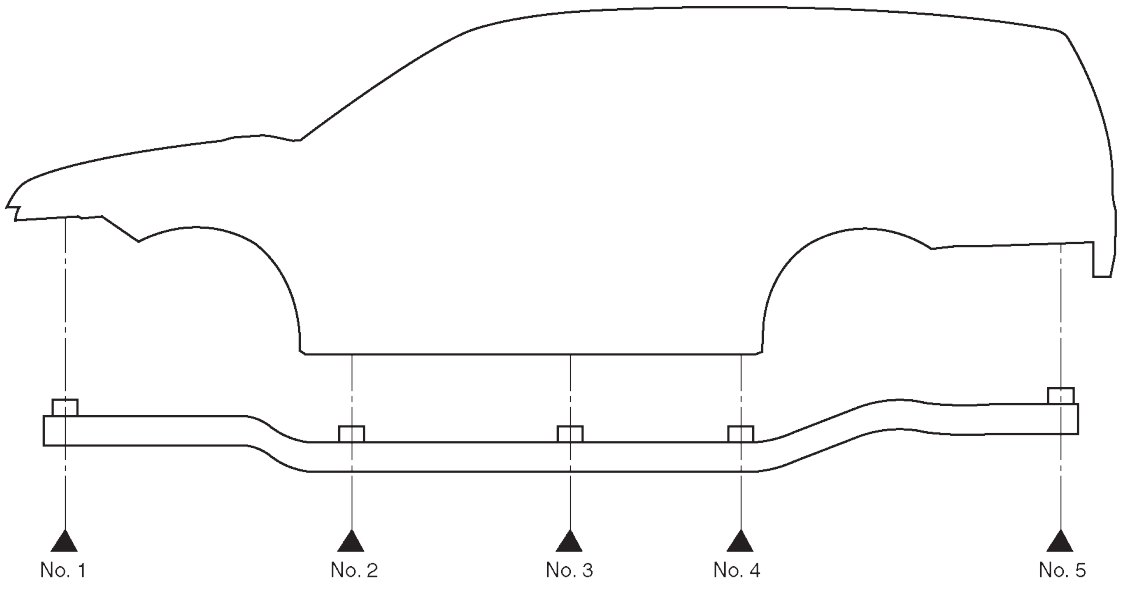
NOTE: Affix the glass within 5 minutes of application.


607RS017

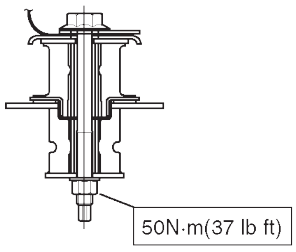
5. Install tailgate wiper arm.

Main Data and Specifications

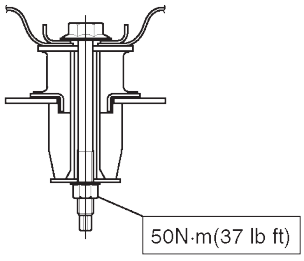
Torque Specification



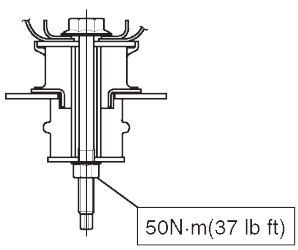
No. 1



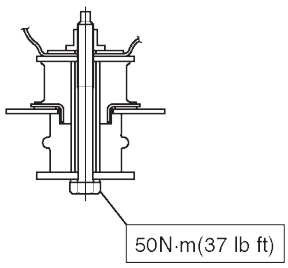
No. 2



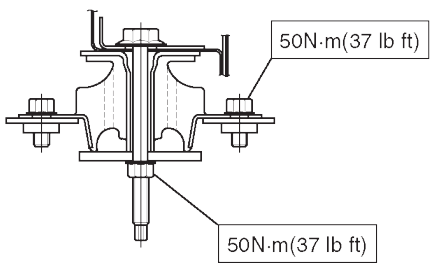
No. 3



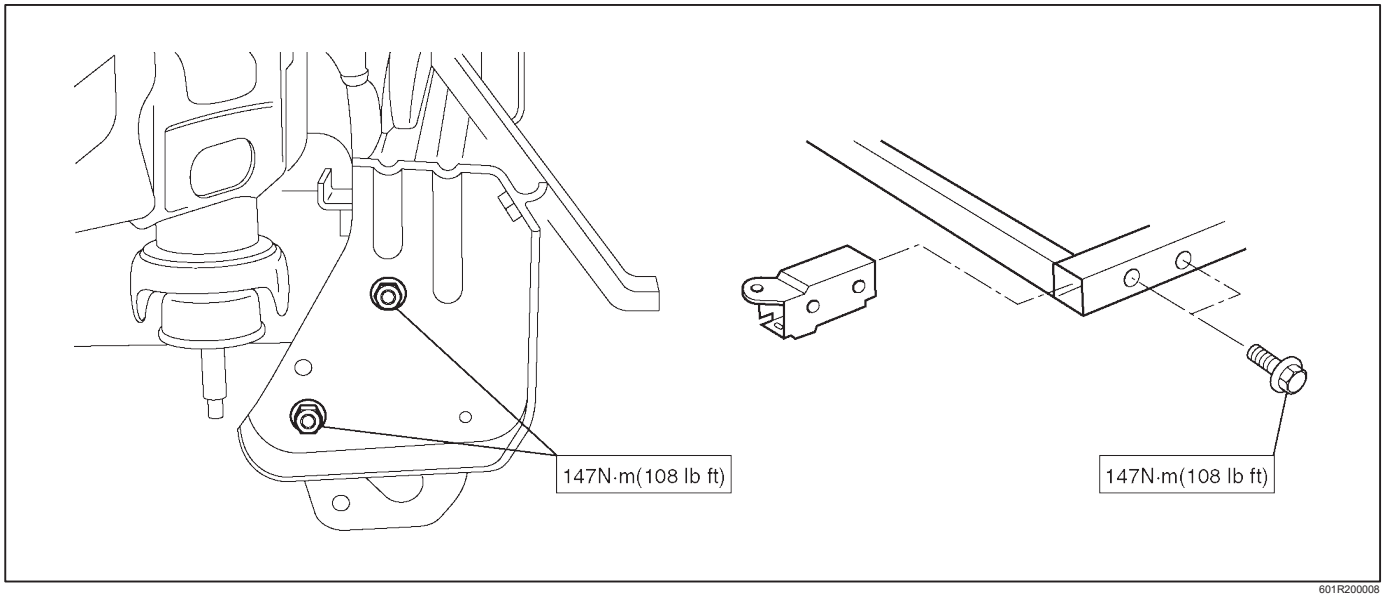
No. 4



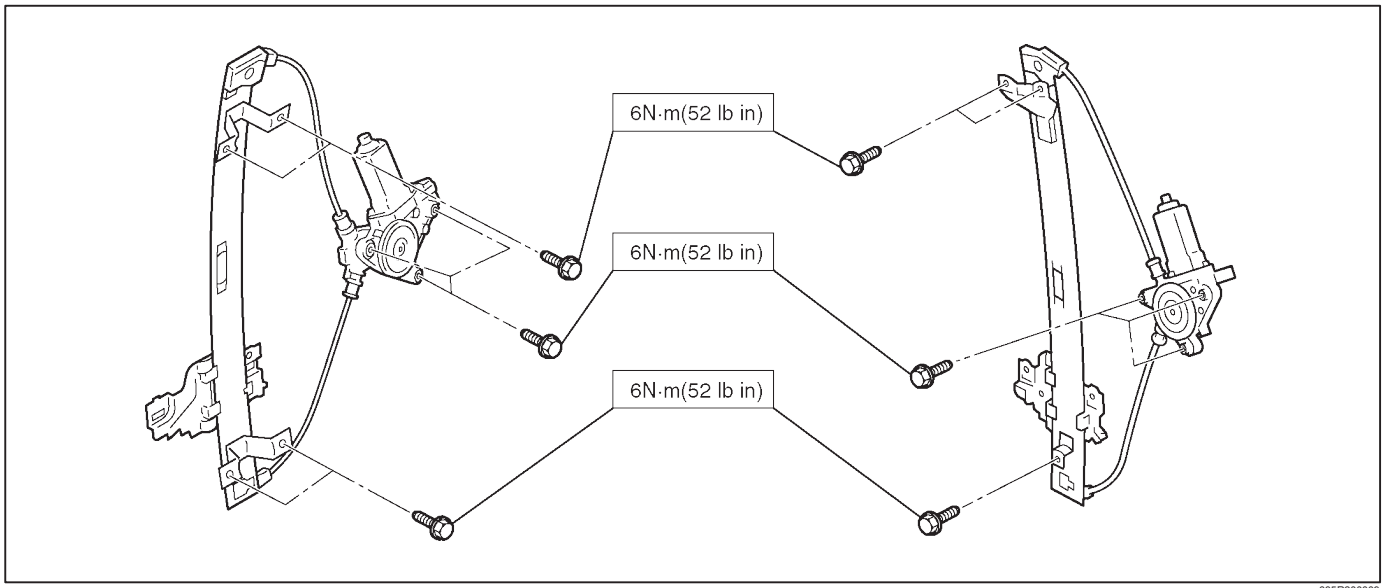
No. 5



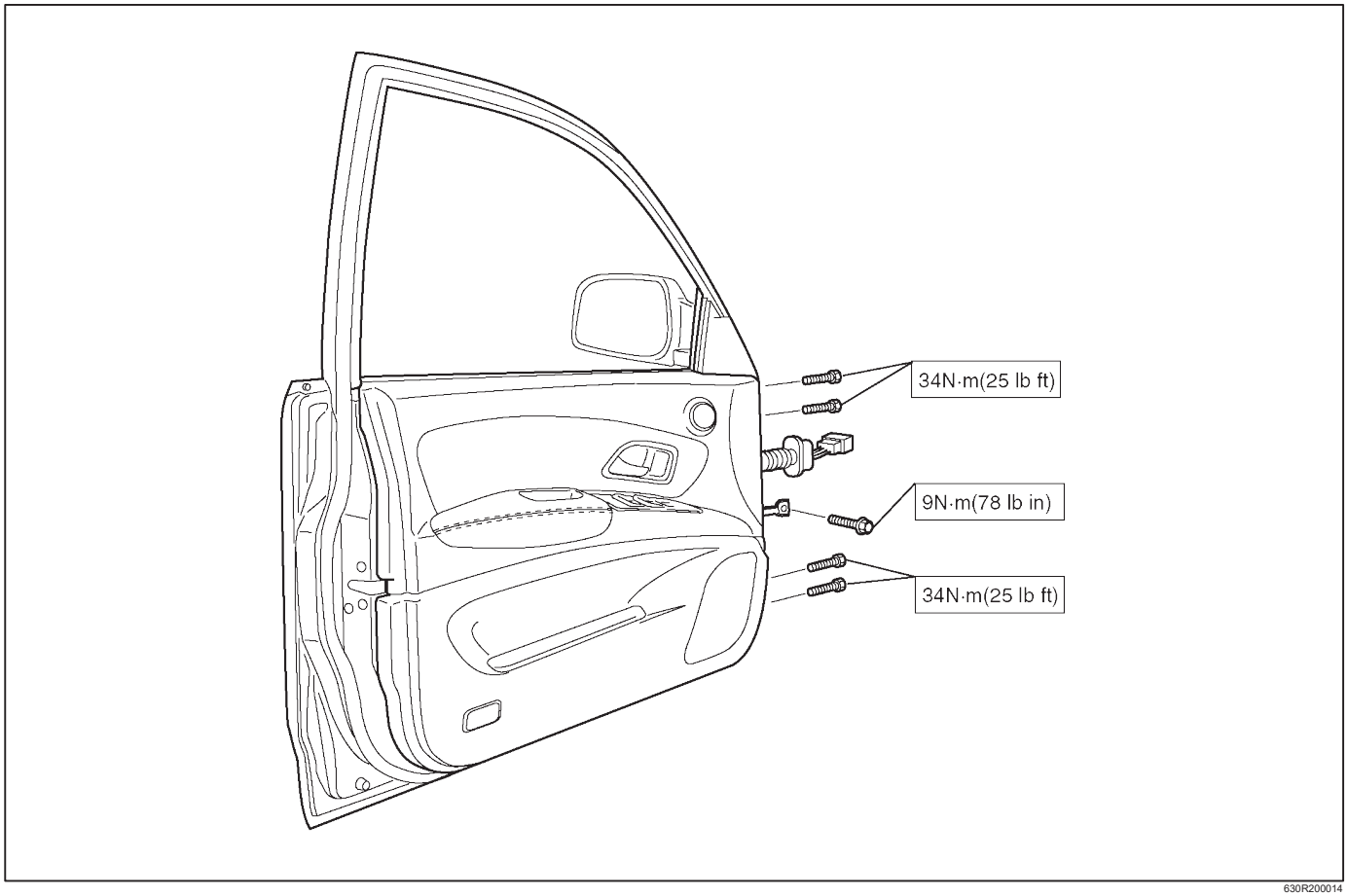
501R200003



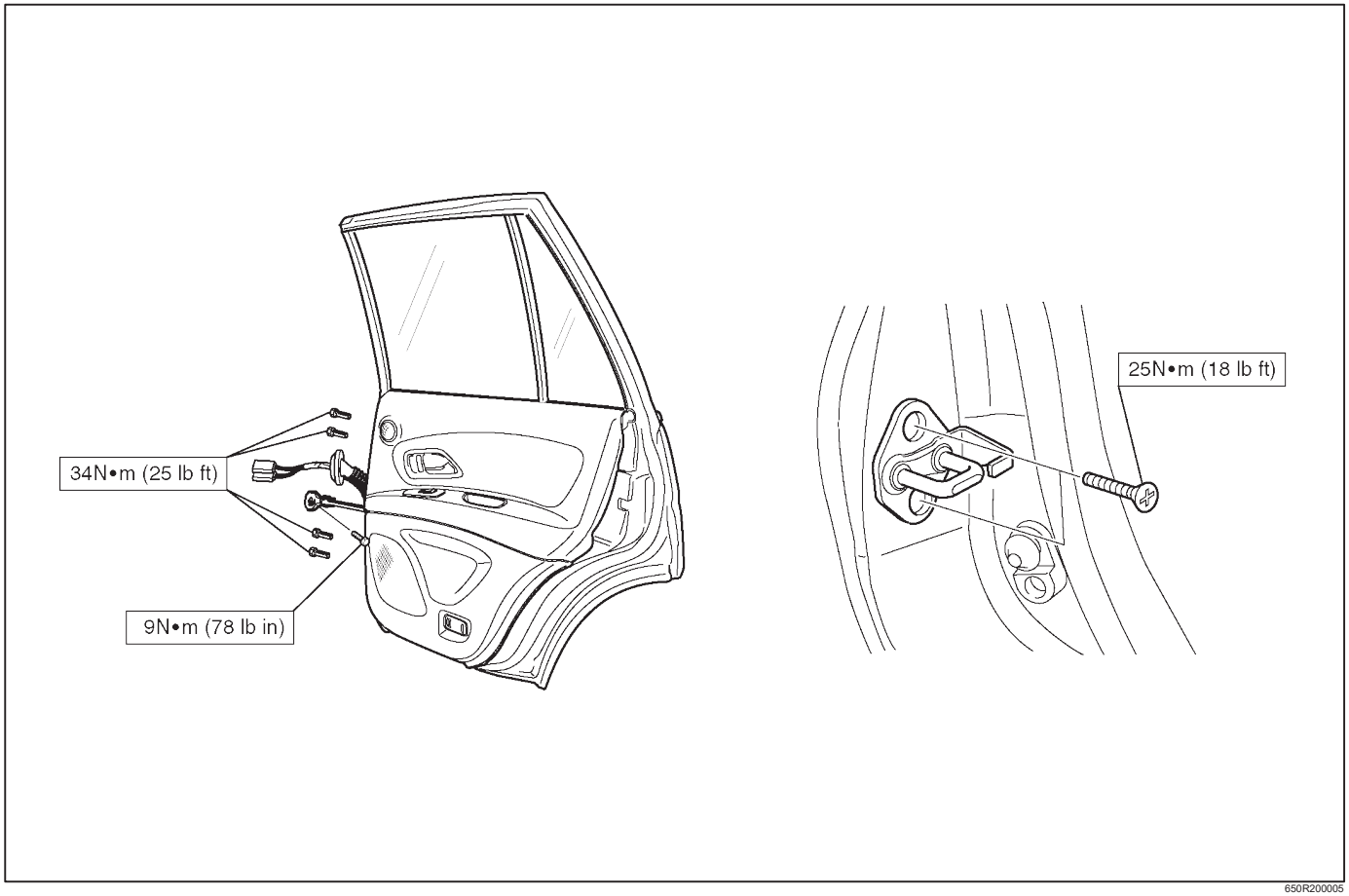
601R200008



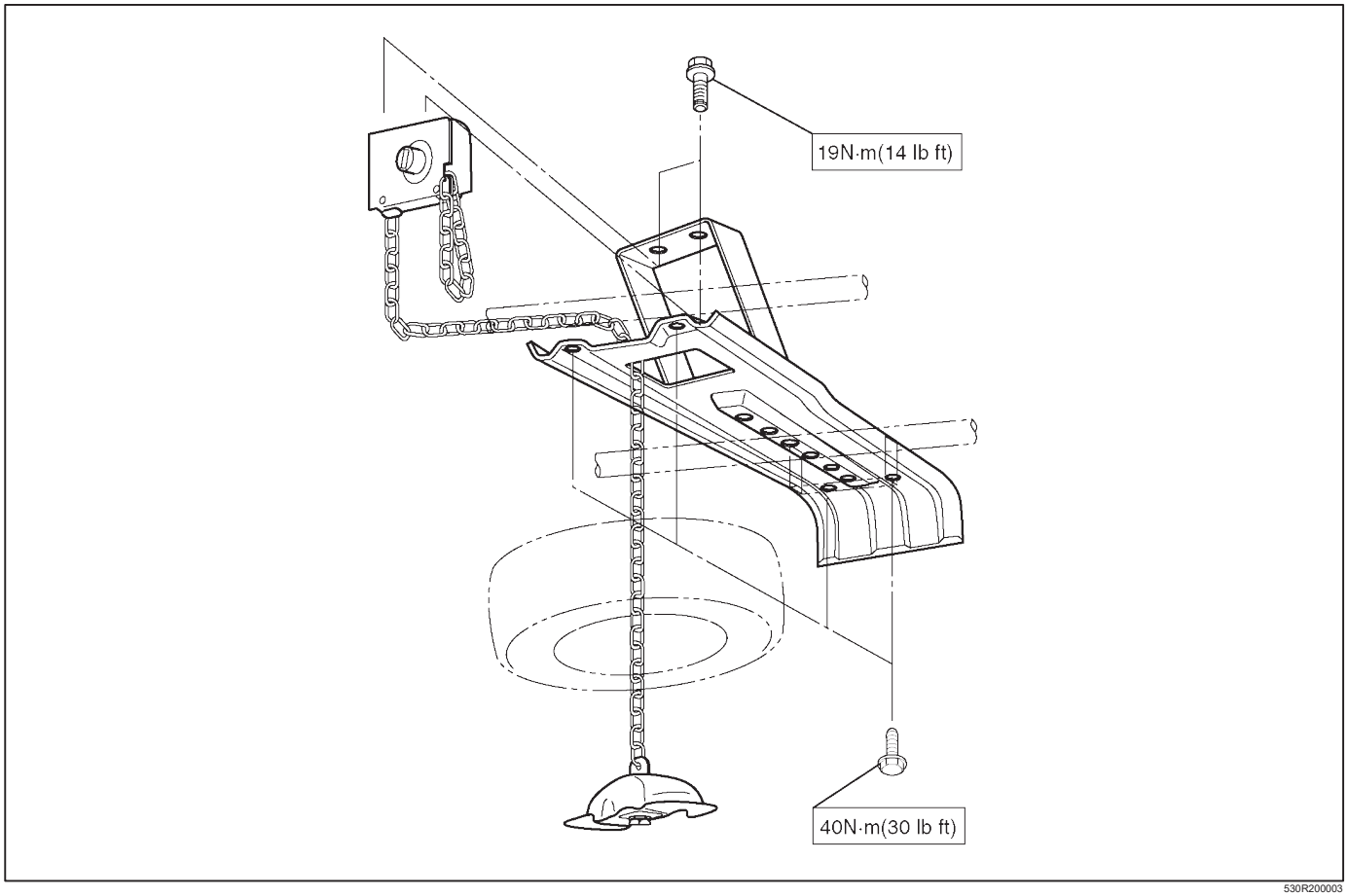
635R200009



630R200014



650R200005



530R200003

AXIOM

BODY AND ACCESSORIES

SEATS

CONTENTS

Service Precaution 8G–1
Front Seat Assembly 8G–2
Front Seat Assembly and Associated Parts 8G–2
Removal 8G–2
Installation 8G–3
Power Seat Assembly 8G–4
Power Seat Assembly and Associated Parts 8G–4
Removal 8G–5
Installation 8G–6
Rear Seat Assembly 8G–7
Rear Seat Cushion Assembly and Associated Parts 8G–7
Removal 8G–8
Installation 8G–8
Rear Seat Back Assembly and Associated Parts 8G–9
Removal 8G–9
Installation 8G–10
Main Data and Specifications 8G–11

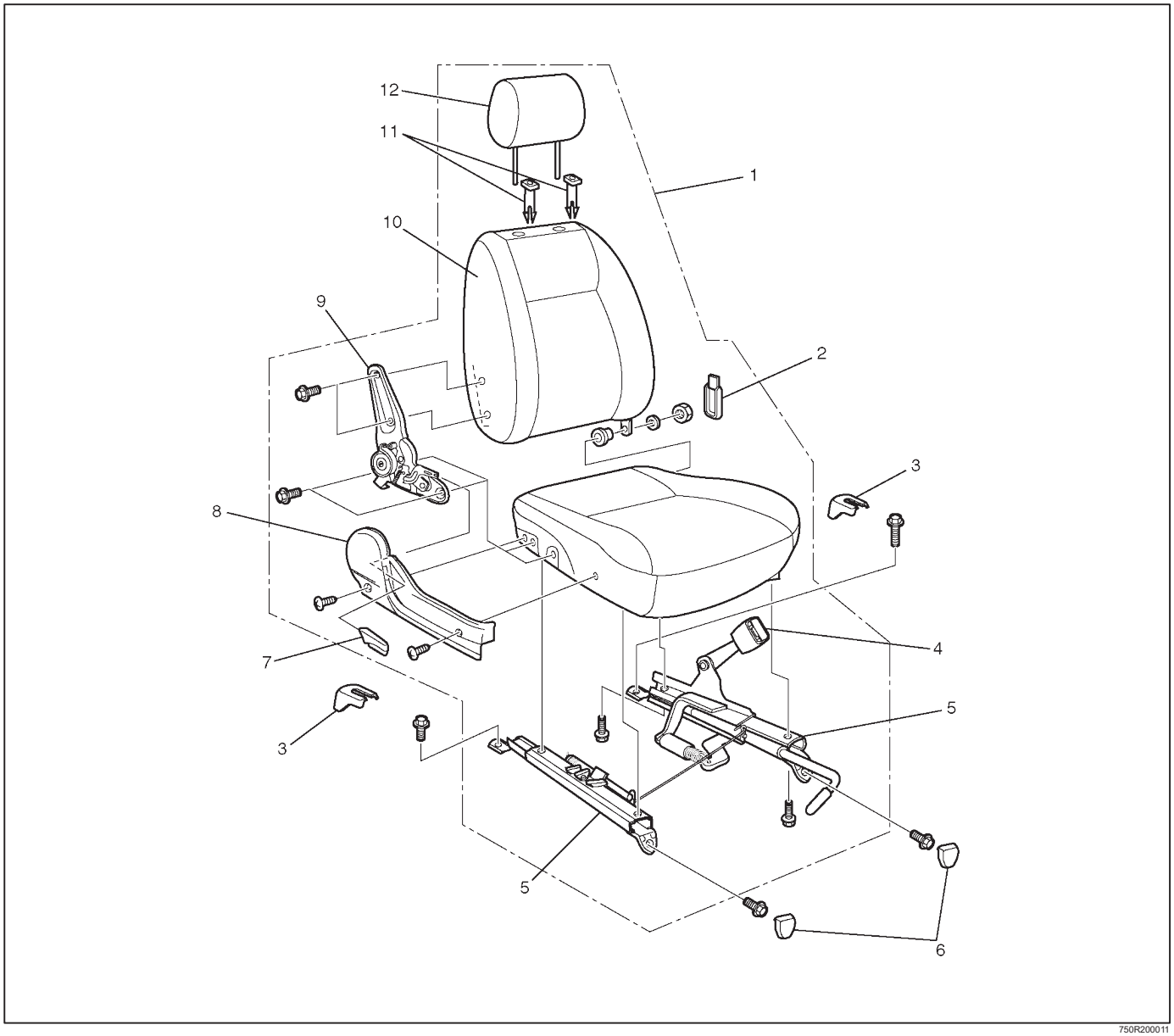
Service Precaution

WARNING: THIS VEHICLE HAS A SUPPLEMENTAL RESTRAINT SYSTEM (SRS). REFER TO THE SRS COMPONENT AND WIRING LOCATION VIEW IN ORDER TO DETERMINE WHETHER YOU ARE PERFORMING SERVICE ON OR NEAR THE SRS COMPONENTS OR THE SRS WIRING. WHEN YOU ARE PERFORMING SERVICE ON OR NEAR THE SRS COMPONENTS OR THE SRS WIRING, REFER TO THE SRS SERVICE INFORMATION. FAILURE TO FOLLOW WARNINGS COULD RESULT IN POSSIBLE AIR BAG DEPLOYMENT, PERSONAL INJURY, OR OTHERWISE UNNEEDED SRS SYSTEM REPAIRS.

CAUTION: Always use the correct fastener in the proper location. When you replace a fastener, use ONLY the exact part number for that application. ISUZU will call out those fasteners that require a replacement after removal. ISUZU will also call out the fasteners that require thread lockers or thread sealant. UNLESS OTHERWISE SPECIFIED, do not use supplemental coatings (Paints, greases, or other corrosion inhibitors) on threaded fasteners or fastener joint interfaces. Generally, such coatings adversely affect the fastener torque and the joint clamping force, and may damage the fastener. When you install fasteners, use the correct tightening sequence and specifications. Following these instructions can help you avoid damage to parts and systems.

Front Seat Assembly

Front Seat Assembly and Associated Parts



750R200011

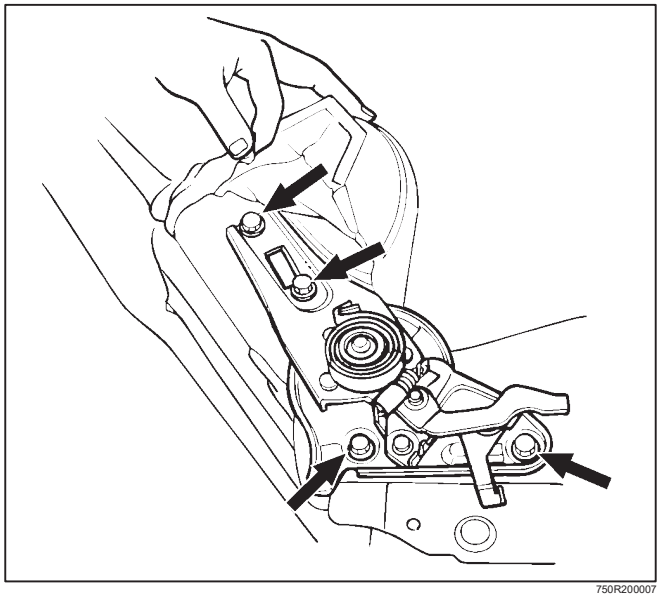
Legend

(1) Front Seat Assembly (Passenger's Seat Only)
(2) Hinge Cover
(3) Rear Cover
(4) Front Seat Belt Buckle Assembly
(5) Seat Adjuster
(6) Front Cover
(7) Reclining Knob
(8) Side Cover
(9) Reclining Device
(10) Seat Back Assembly
(11) Guide Holder
(12) Headrest

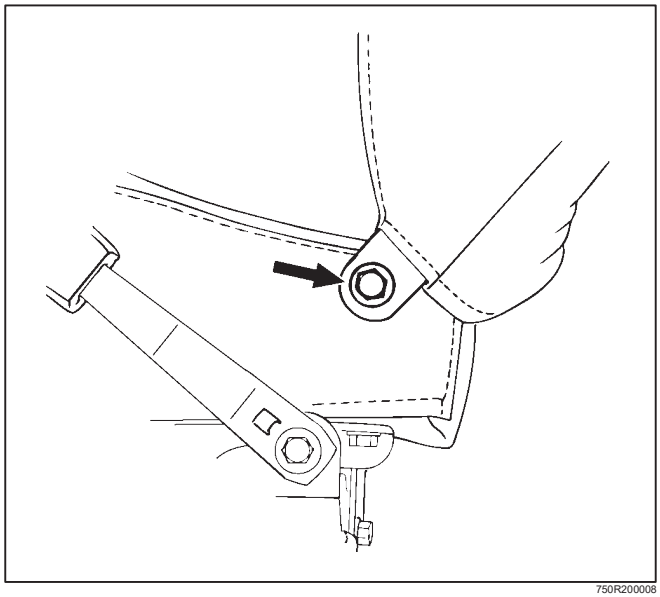
Removal

1. Disconnect the battery ground cable.
2. Remove the front and rear covers.
3. Remove the front seat assembly.
   - Remove the four fixing bolts.

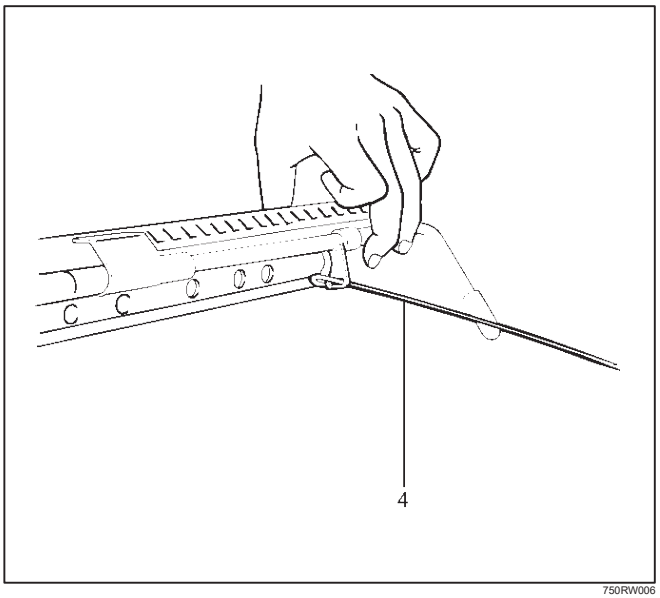
4. Pull out the reclining knob.
5. Remove the side cover.
   - Remove the two screws.
6. Remove the headrest.
7. Remove the reclining device.
   - Pull up on the seat back trim cover in order to remove the reclining device fixing bolts.


750R200007

8. Remove the seat back assembly.
   - Remove the seat back assembly fixing nut on the opposite side of the reclining device.


750R200008

9. Remove the trim cover (Seat back side).
10. Remove the guide holder.
    - Pull the guide holder out by holding the bottom end of it from the seat back assembly.
11. Remove the seat adjuster.
    - Disconnect the release wire (4) and remove the fixing bolts.



750RW006

12. Remove the seat belt buckle assembly.
13. Remove the trim cover (Seat cushion side).

Installation

To install, follow the removal steps in the reverse order, noting the following points:

1. Tighten the reclining device fixing bolts to the specified torque.

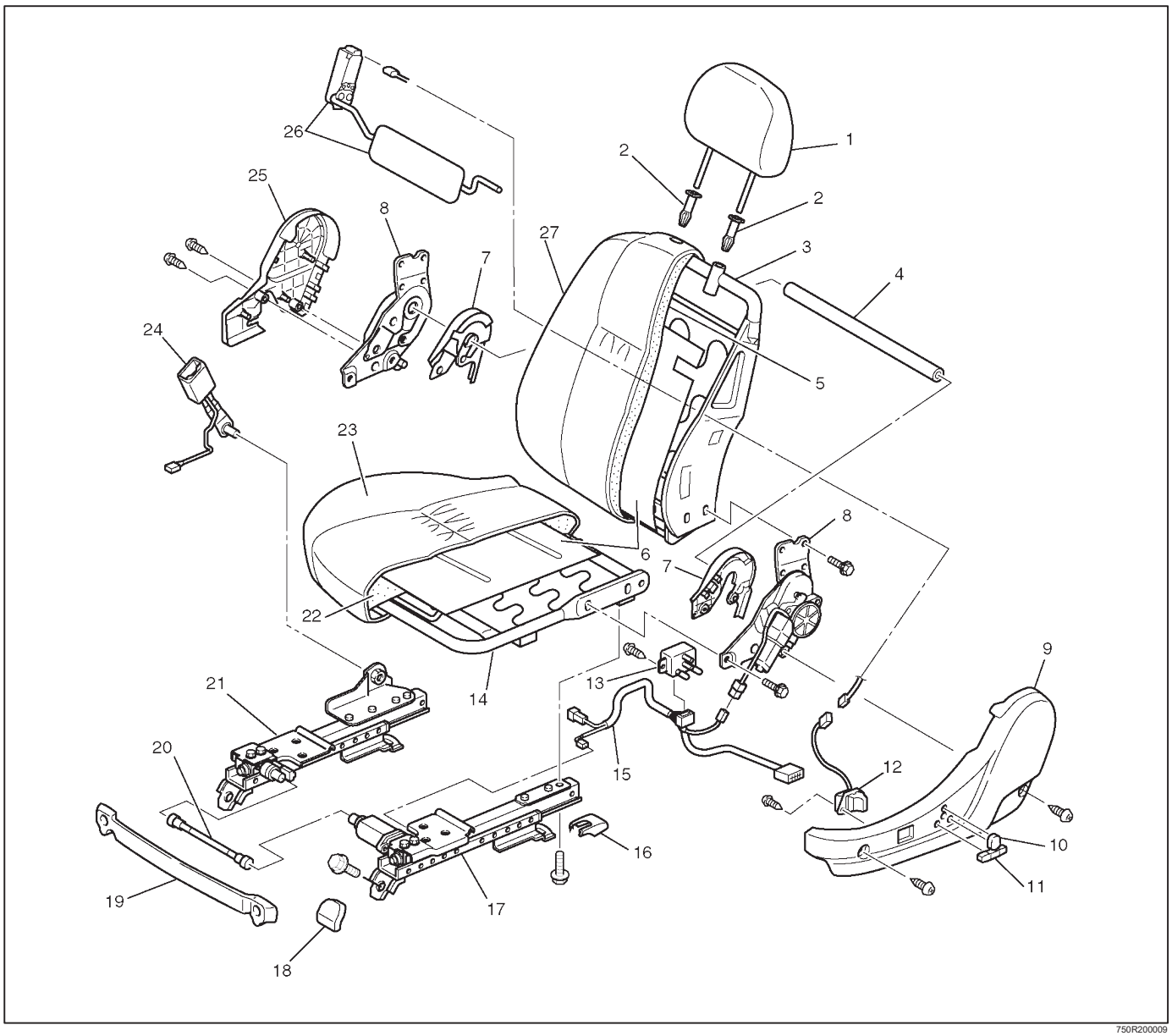
   Torque: 46 N·m (34 lb ft)

2. Tighten the front seat assembly fixing bolts to the specified torque.

   Torque: 39 N·m (29 lb ft)

Power Seat Assembly

Power Seat Assembly and Associated Parts



750R200009

Legend

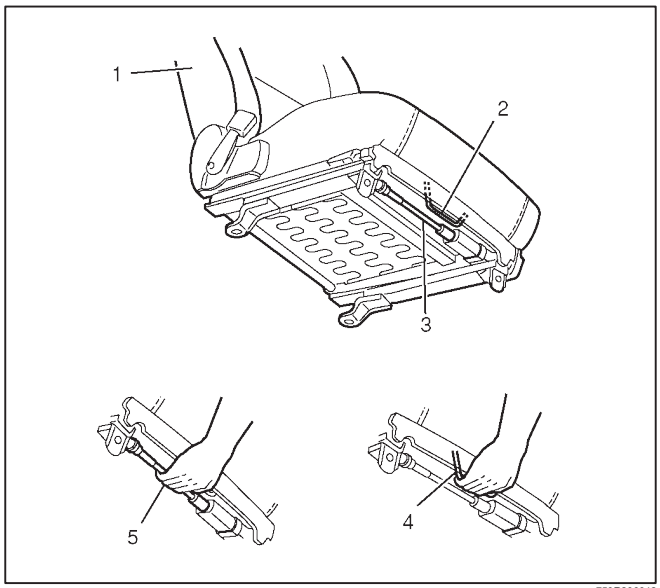
(1) Headrest
(2) Guide Holder
(3) Seat Back Frame Assembly
(4) Connecting Pipe
(5) Seat Back Pad
(6) Seat Heater (Required Option)
(7) Reclining Device Cover
(8) Reclining Device
(9) Outer Side Cover
(10) Reclining Switch Knob
(11) Slide Switch Knob
(12) Power Lumbar Switch (Driver's Side)
(13) Power Seat Switch
(14) Seat Cushion Frame Assembly
(15) Power Seat Harness
(16) Adjuster Bracket Rear Cover
(17) Outer Seat Adjuster Assembly
(18) Adjuster Bracket Front Cover
(19) Front Cover
(20) Sliding Motor Cable
(21) Inner Seat Adjuster Assembly
(22) Seat Cushion Pad
(23) Seat Cushion Assembly/Seat Cushion Trim Cover
(24) Seat Belt Buckle Assembly
(25) Inner Side Cover
(26) Power Lumbar Support Assembly (Driver's Side)
(27) Seat Back Assembly/Seat Back Trim Cover

Removal

1. Remove the adjuster bracket rear cover and the fixing bolts on the rear side of the seat adjuster assembly.
   - Before removal, slide the power seat assembly forward.
2. Remove the adjuster bracket front cover and the fixing bolts on the front side of the seat adjuster assembly.
   - Before removal, slide the power seat assembly backward.
3. Disconnect the battery ground cable.
4. Remove the power seat assembly.
   - Disconnect the power seat harness connectors and the seat belt warning connector of the driver side.

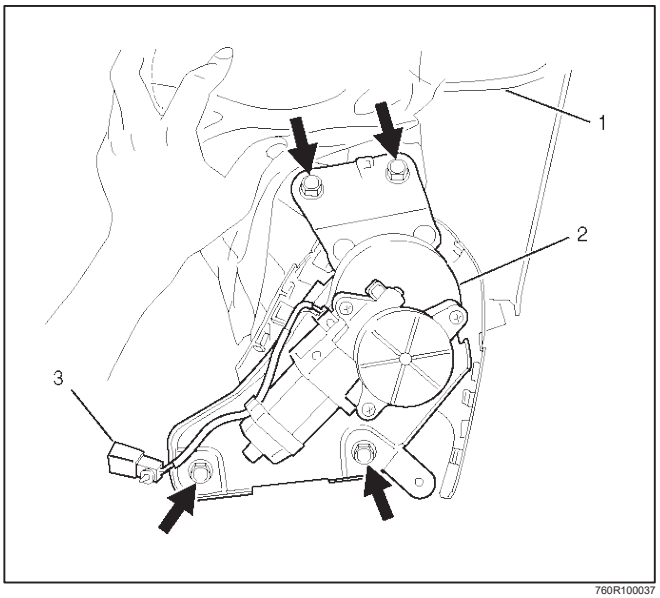
CAUTION: When raising power seat assembly (1), use the handle (2) not the cable (3). A bent cable causes noise to occur during power seat operation.

- Please grip the handle (4).
- Don't grip the cable (5).



750R200012

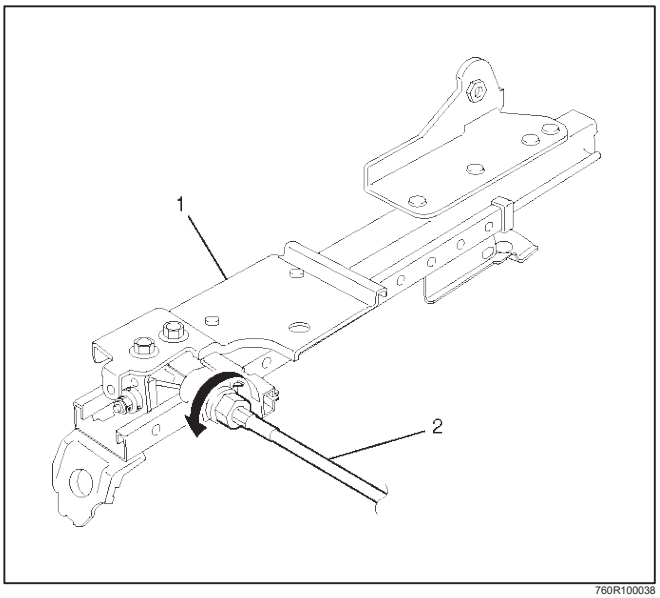
5. Pull the switch knobs out.
6. Remove the outer side cover.
   - Remove the two fixing screws and disconnect the power seat switch connector.
7. Remove the power seat switch.
   - Remove the two fixing screws.
8. Remove the power lumber switch.
   - Remove the two fixing screws and connectors.
9. Remove the inner side cover.
10. Remove the headrest.
11. Remove the reclining device (2).
    - Flip up the seat back trim cover (1) in order to remove the reclining device fixing bolts.
    - Disconnect the reclining motor harness connector (3).



760R100037

12. Remove the reclining device covers.
13. Remove the trim cover and pad (Seat back side).
14. Remove the seat heater and connector (seat back side).
15. Remove the power lumbar support assembly.
16. Remove the guide holder.
    - Pull the guide holder out by holding the bottom end of it from the seat back assembly.
17. Remove the seat adjuster assembly.
    - Remove the four fixing bolts and disconnect the sliding motor connector.
18. Remove the sliding motor cable (2).
    - Remove the nuts of each side.

CAUTION: Be sure to maintain the same position for both outer and inner seat adjust assembly (1).



760R100038

19. Remove the seat belt buckle assembly.
20. Remove the trim cover and pad (Seat cushion side)
21. Remove the seat heater and connector (Seat cushion side).
22. Remove the power seat harness.

Installation

To install, follow the removal steps in the reverse order, noting the following points:

1. Tighten the reclining device fixing bolts to the specified torque.

   Torque: 46 N·m (34 lb ft)

2. Tighten the seat adjuster fixing bolts to the specified torque.

   Torque: 21 N·m (15 lb ft) to seat cushion

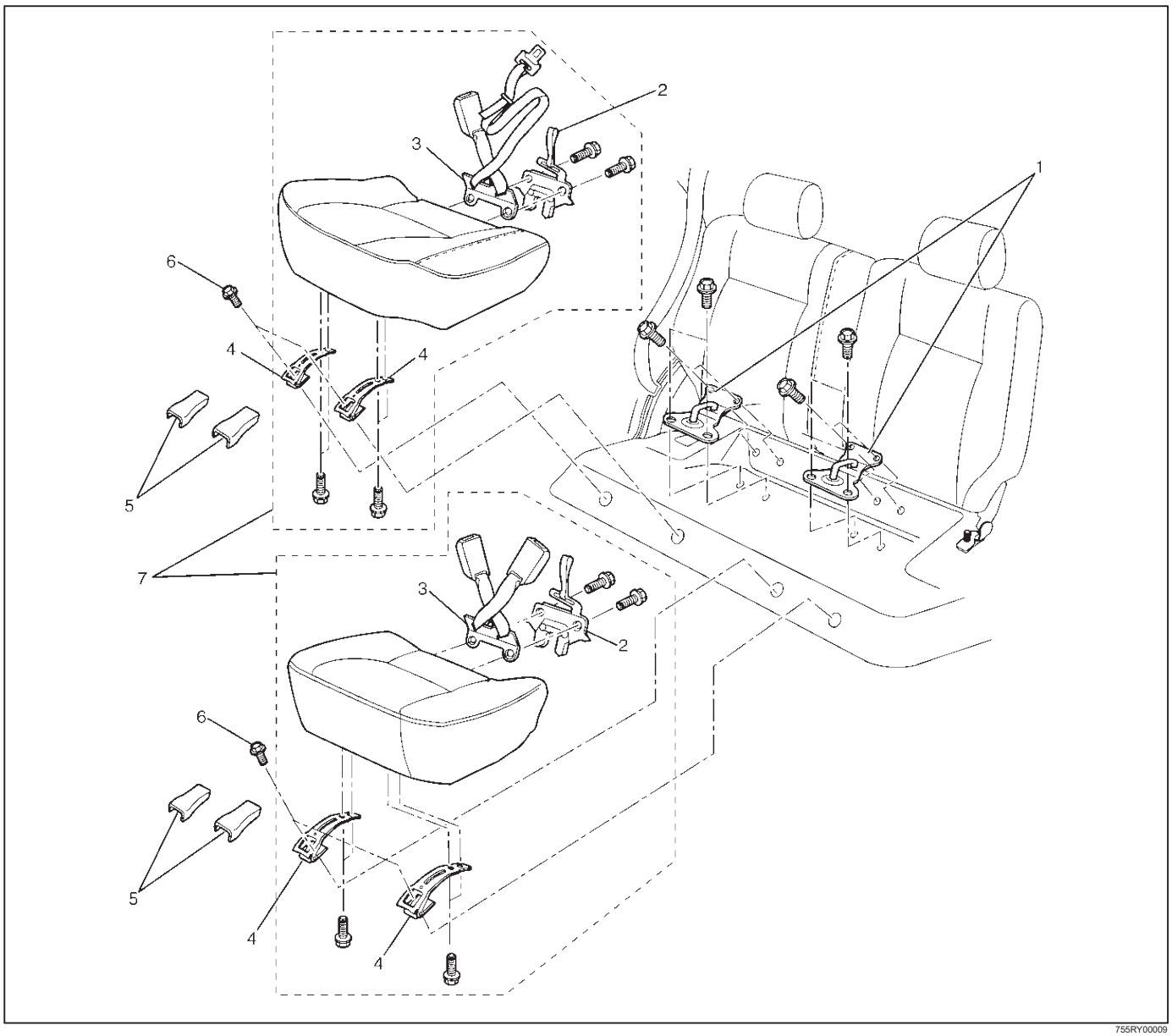
   Torque: 39 N·m (29 lb ft) to body

3. Tighten the seat belt buckle assembly fixing bolts to the specified torque.

   Torque: 29 N·m (22 lb ft)

Rear Seat Assembly

Rear Seat Cushion Assembly and Associated Parts



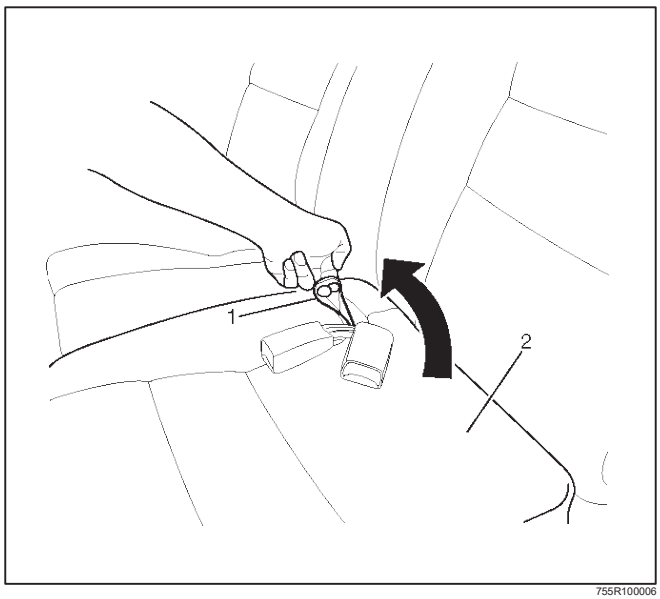
755RY00009

Legend

(1) Rear Seat Lock Striker
(2) Rear Seat Lock Assembly
(3) Rear Seat Belt Buckle Assembly
(4) Seat Cushion Hinge
(5) Hinge Cover
(6) Seat Cushion Fixing Bolt
(7) Rear Seat Cushion Assembly

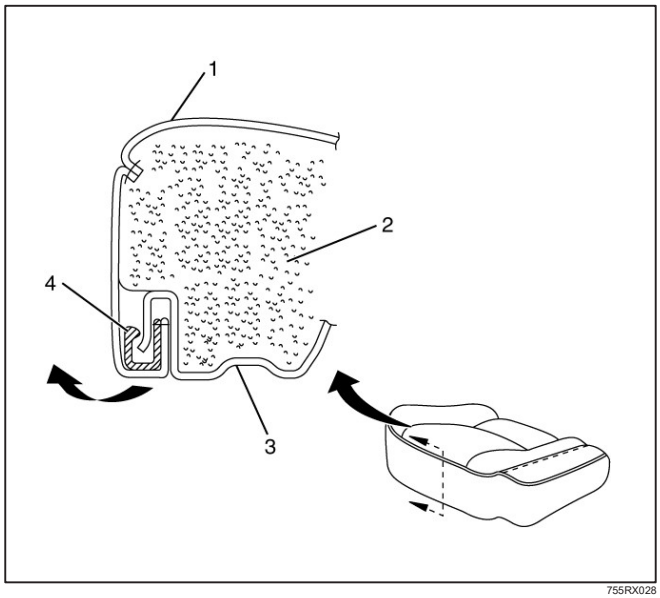
Removal

1. Remove the hinge covers.
2. Remove the seat cushion fixing bolts.
3. Remove the seat cushion assembly (2).
   - Pull the strap (1) of the rear seat lock assembly to release the seat lock.



755R100006

4. Remove the seat cushion hinges.
5. Remove the rear cushion trim cover (1) and rear seat cushion pad (2).
   - Remove cushion trim cover from the rear cushion frame (3) by prying on the plastic retainers (4).



755RX028

6. Remove the rear seat lock assembly and rear seat belt buckle assembly.
7. Remove the rear seat lock strikers.
   - Remove the four bolts at each striker.

Installation

To install, follow the removal steps in the reverse order, noting the following points:

1. Tighten the rear seat lock assembly and rear seat belt buckle assembly fixing bolts to the specified torque.

   Torque: 39 N·m (29 lb ft)

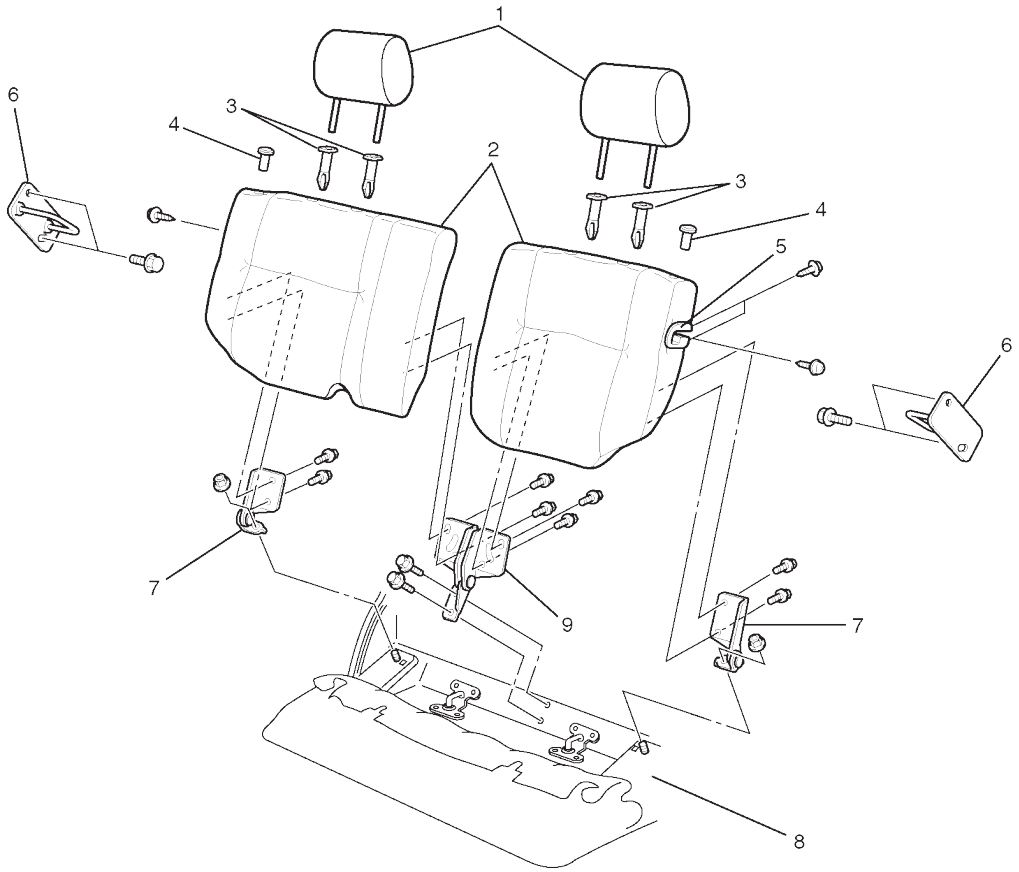
2. Tighten the rear seat lock striker fixing bolts to the specified torque.

   Torque: 39 N·m (29 lb ft)

3. Tighten the seat cushion hinge fixing bolts to the specified torque.

   Torque: 39 N·m (29 lb ft)

Rear Seat Back Assembly and Associated Parts



755R200005

Legend

(1) Headrest
(2) Seat Back Assembly
(3) Guide Holder
(4) Release Knob
(5) Seat Lock Cover
(6) Seat Lock Striker
(7) Side Hinge
(8) Body Floor Panel
(9) Center Hinge

Removal

1. Pull the release knob and pull the seat back assembly forward.
2. Remove the seat lock covers.
   - Remove the three screws from each side.
3. Remove the luggage floor carpets.
   - Pull the nine carpet fixing clips from the backside of the seat back assembly.
4. Remove the seat back assembly.
   - Remove the four fixing bolts at each seat back.
5. Remove the headrests.
6. Remove the release knobs.
   - Turn the knob counterclockwise to remove it.
7. Remove the trim covers.
8. Remove the guide holders.
9. Remove the side hinges.
   - Remove the one fixing nut at each side hinge.

10. Remove the center hinge.
    - Remove the two fixing bolts.

Installation

To install, follow the removal steps in the reverse order, noting the following points:

1. Tighten the center hinge fixing bolts to the specified torque.

   Torque: 39 N·m (29 lb ft)

2. Tighten the side hinge fixing nuts to the specified torque.

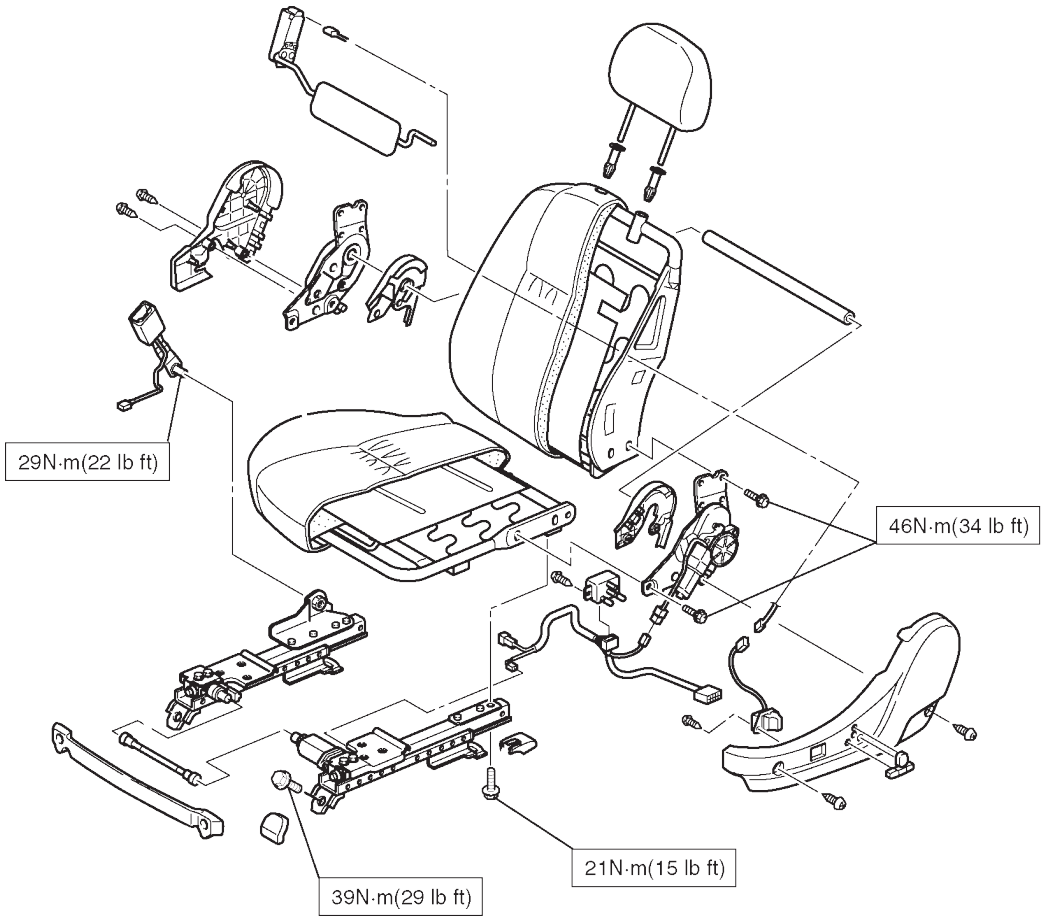
   Torque: 29 N·m (22 lb ft)

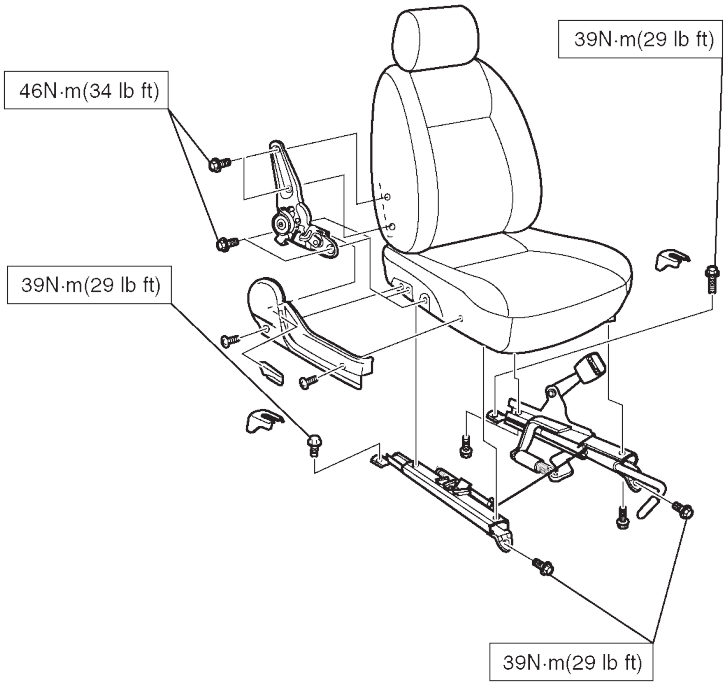
3. Tighten the side lock striker fixing bolts to the specified torque.

   Torque: 19 N·m (14 lb ft)

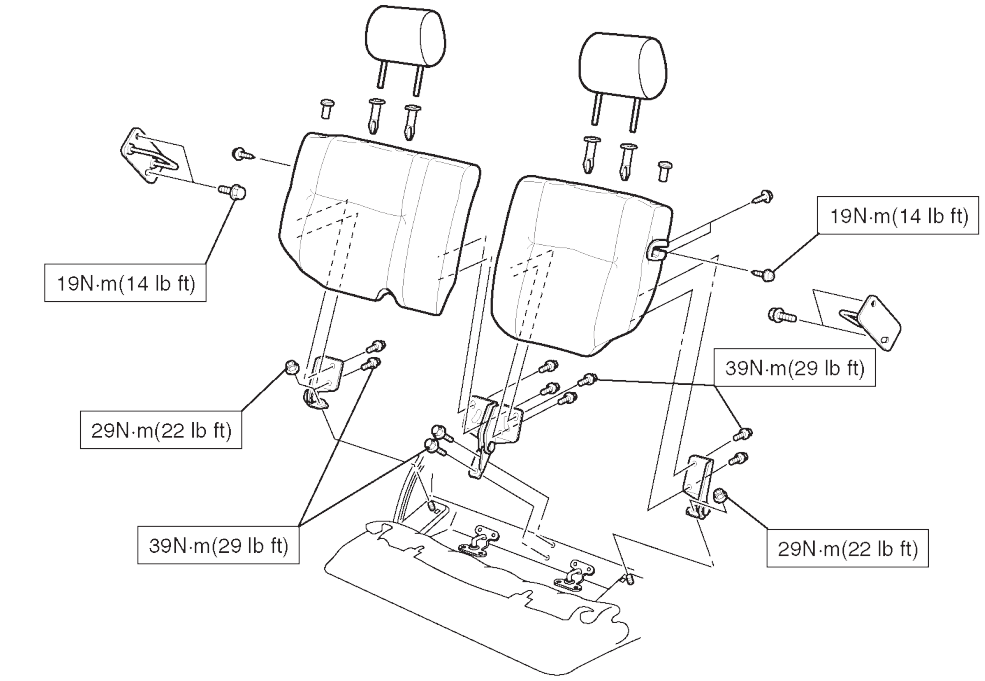
Main Data and Specifications

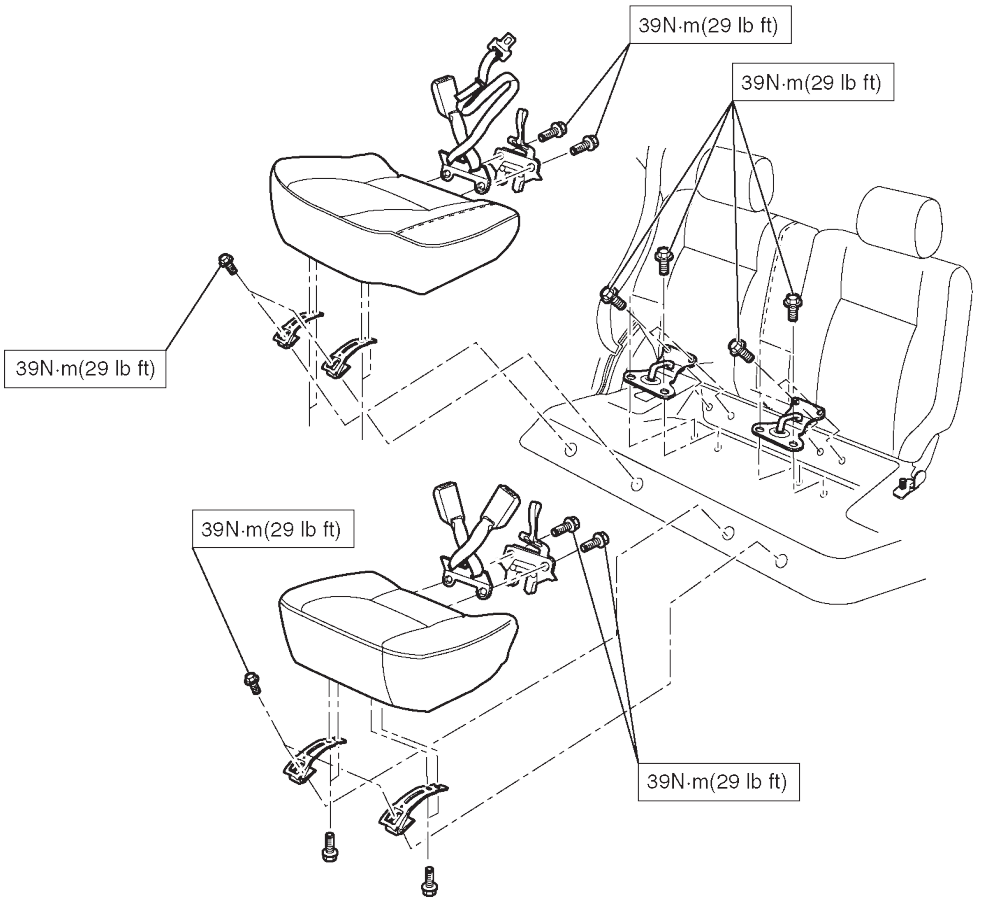
Torque Specifications





750R200010


19N·m(14 lb ft)
19N·m(14 lb ft)
39N·m(29 lb ft)
29N·m(22 lb ft)
39N·m(29 lb ft)
29N·m(22 lb ft)


39N·m(29 lb ft)
39N·m(29 lb ft)
39N·m(29 lb ft)
39N·m(29 lb ft)
39N·m(29 lb ft)

755R200009

AXIOM

BODY AND ACCESSORIES

SECURITY AND LOCKS

CONTENTS

Service Precaution 8H–1
Front Door Lock Assembly 8H–2
Front Door Lock Assembly and Associated Parts 8H–2
Removal 8H–2
Installation 8H–4
Front Outside Handle 8H–5
Front Outside Handle and Associated Parts 8H–5
Removal 8H–5
Installation 8H–5
Rear Door Lock Assembly 8H–6
Rear Door Lock Assembly and Associated Parts 8H–6
Removal 8H–6
Installation 8H–8
Rear Outside Handle 8H–9
Rear Outside Handle and Associated Parts 8H–9
Removal 8H–9
Installation 8H–9
Tailgate Lock and Outside Handle 8H–10
Tailgate Lock, Outside Handle and Associated Parts 8H–10
Removal 8H–10
Installation 8H–11
Key 8H–12
Key Coding 8H–12
Key Styles 8H–12
Power Door Lock System 8H–13
General Description 8H–13
Door Lock Key Switch 8H–13
Front Door Lock Actuator 8H–13
Rear Door Lock Actuator 8H–13
Tailgate Lock Actuator 8H–13
Anti-Theft System 8H–14
General Description 8H–14
Anti–Theft & Keyless Entry Controller 8H–14
Anti–Theft Indicator 8H–14
Anti–Theft Horn 8H–14
Engine Hood Switch 8H–15
Anti–theft & Keyless Entry Control Unit/Transmitter Replacement 8H–15
Keyless Entry System 8H–16
ID Code Registration 8H–16
Main Data and Specifications 8H–19

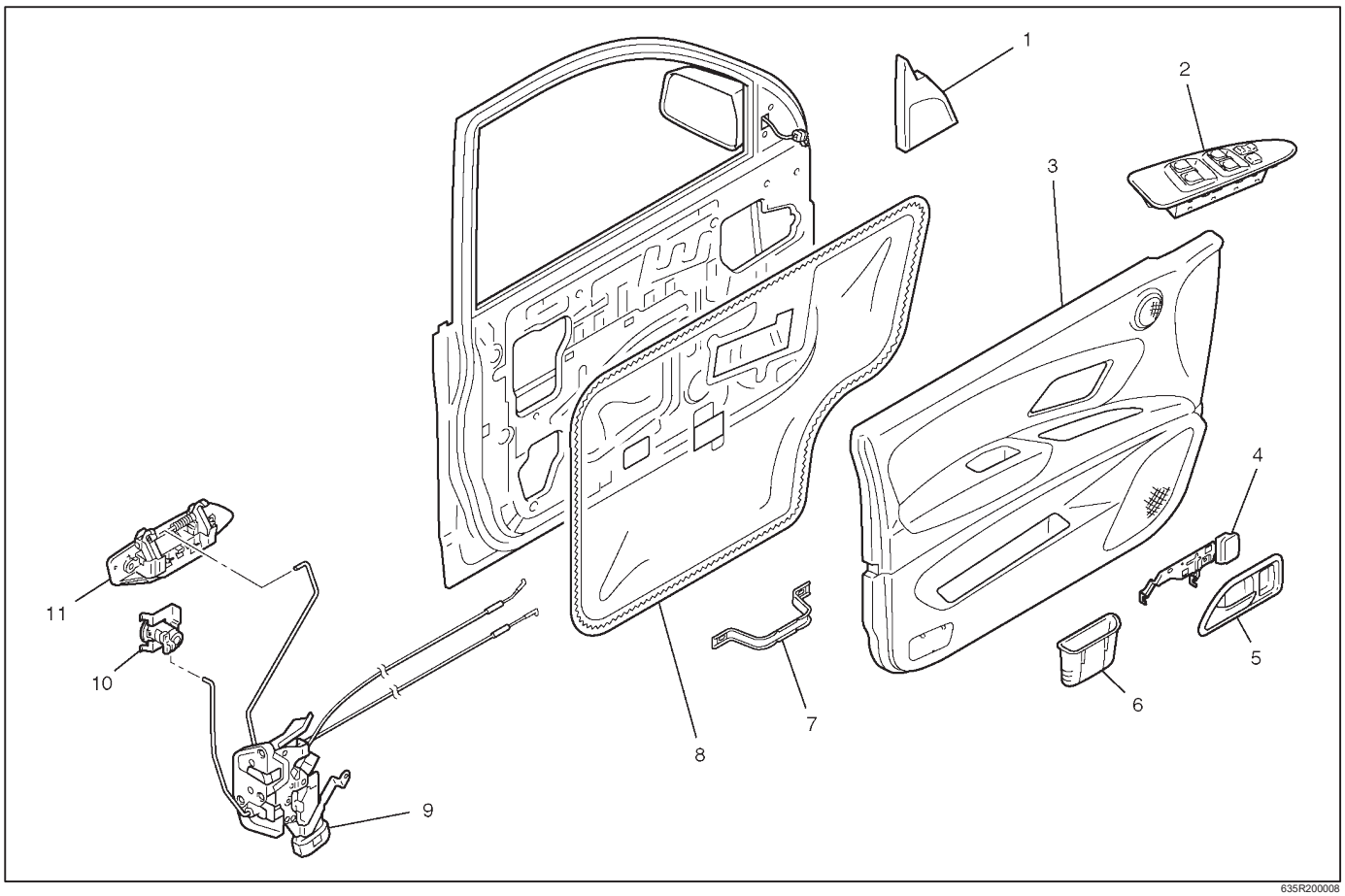
Service Precaution

WARNING: THIS VEHICLE HAS A SUPPLEMENTAL RESTRAINT SYSTEM (SRS). REFER TO THE SRS COMPONENT AND WIRING LOCATION VIEW IN ORDER TO DETERMINE WHETHER YOU ARE PERFORMING SERVICE ON OR NEAR THE SRS COMPONENTS OR THE SRS WIRING. WHEN YOU ARE PERFORMING SERVICE ON OR NEAR THE SRS COMPONENTS OR THE SRS WIRING, REFER TO THE SRS SERVICE INFORMATION. FAILURE TO FOLLOW WARNINGS COULD RESULT IN POSSIBLE AIR BAG DEPLOYMENT, PERSONAL INJURY, OR OTHERWISE UNNEEDED SRS SYSTEM REPAIRS.

CAUTION: Always use the correct fastener in the proper location. When you replace a fastener, use ONLY the exact part number for that application. ISUZU will call out those fasteners that require a replacement after removal. ISUZU will also call out the fasteners that require thread lockers or thread sealant. UNLESS OTHERWISE SPECIFIED, do not use supplemental coatings (Paints, greases, or other corrosion inhibitors) on threaded fasteners or fasteners joint interfaces. Generally, such coatings adversely affect the fastener torque and the joint clamping force, and may damage the fasteners. When you install fasteners, use the correct tightening sequence and specifications. Following these instructions can help you avoid damage to parts and systems.

Front Door Lock Assembly

Front Door Lock Assembly and Associated Parts



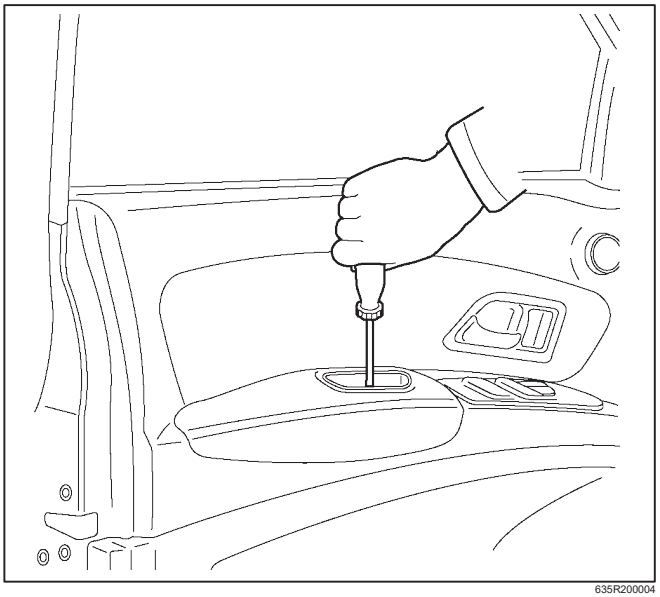
635R200008

Legend

(1) Door Mirror Cover
(2) Power Window Switch
(3) Door Trim Panel
(4) Inside Lock Bracket
(5) Inside Handle
(6) Pull Box
(7) Pull Box Bracket
(8) Waterproof Sheet
(9) Door Lock Assembly
(10) Door Lock Cylinder
(11) Outside Handle

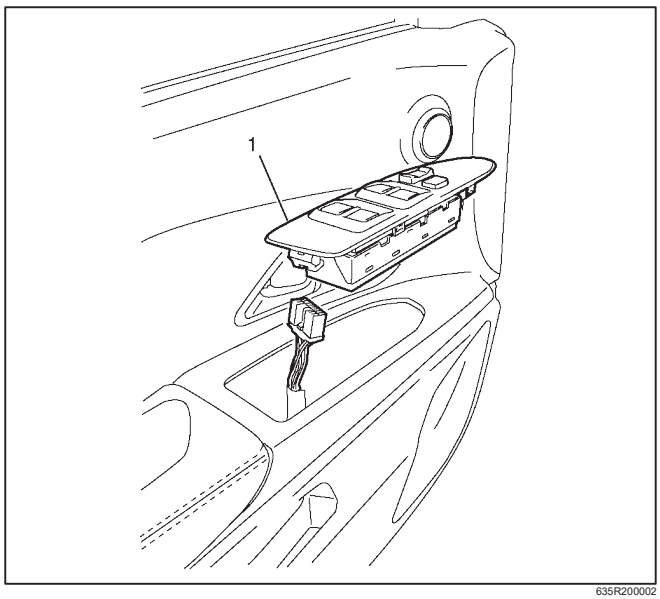
Removal

1. Disconnect the battery ground cable.
2. Remove the pull box.
   - Remove the one fixing screw.



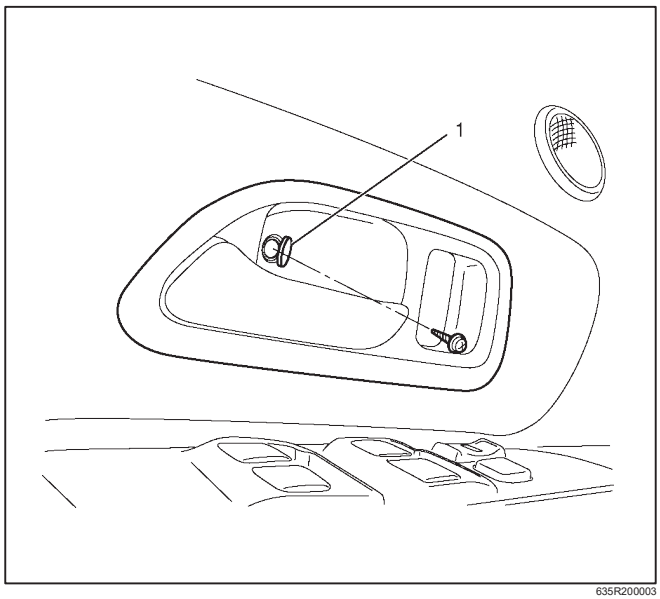
635R200004

3. Remove the power window switch (1).
   - Pry the power window switch and remove the connector.



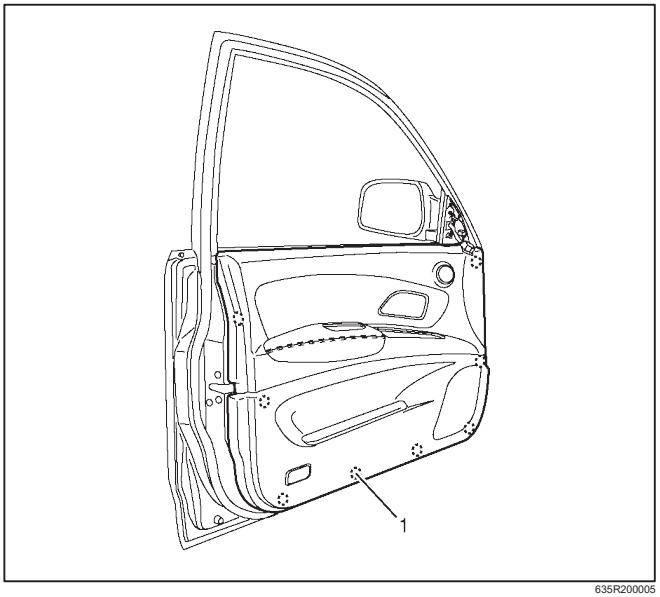
635R200002

4. Remove the inside handle.
   - Open the screw corer (1) and remove the screw.
   - Disconnect the cable.



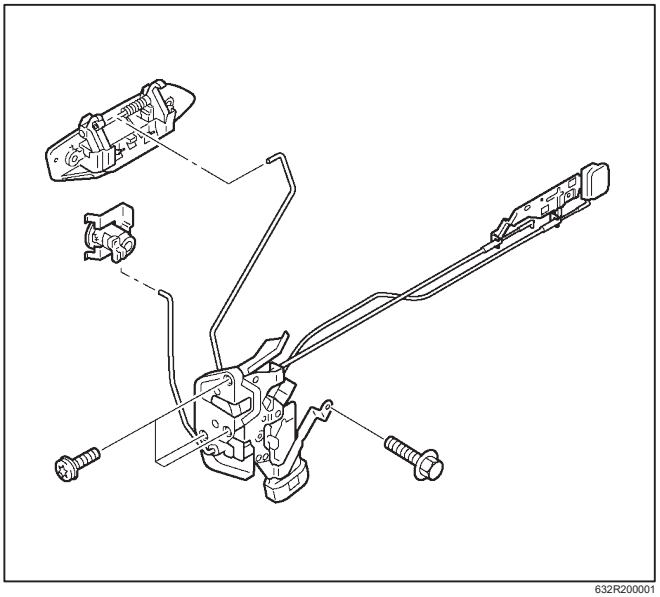
635R200003

5. Remove the door mirror cover.
6. Pull the door trim panel at the 8 clip positions (1).
   - Disconnect the courtesy light and tweeter harness connectors.



635R200005

7. Remove the pull box bracket.
8. Remove the inside lock bracket.
   - Disconnect the cable.
9. Remove the waterproof sheet.
   - Taking notice of the door harness, peel the waterproof sheet off the door panel carefully.
10. Raise the glass up to the uppermost position.
11. Remove the door lock assembly.
    - Disconnect the locking links and harness connector.
    - Remove the 3 fixing Torx screws and bolt.


632R200001

Installation

To install, follow the removal steps in the reverse order, noting the following points:

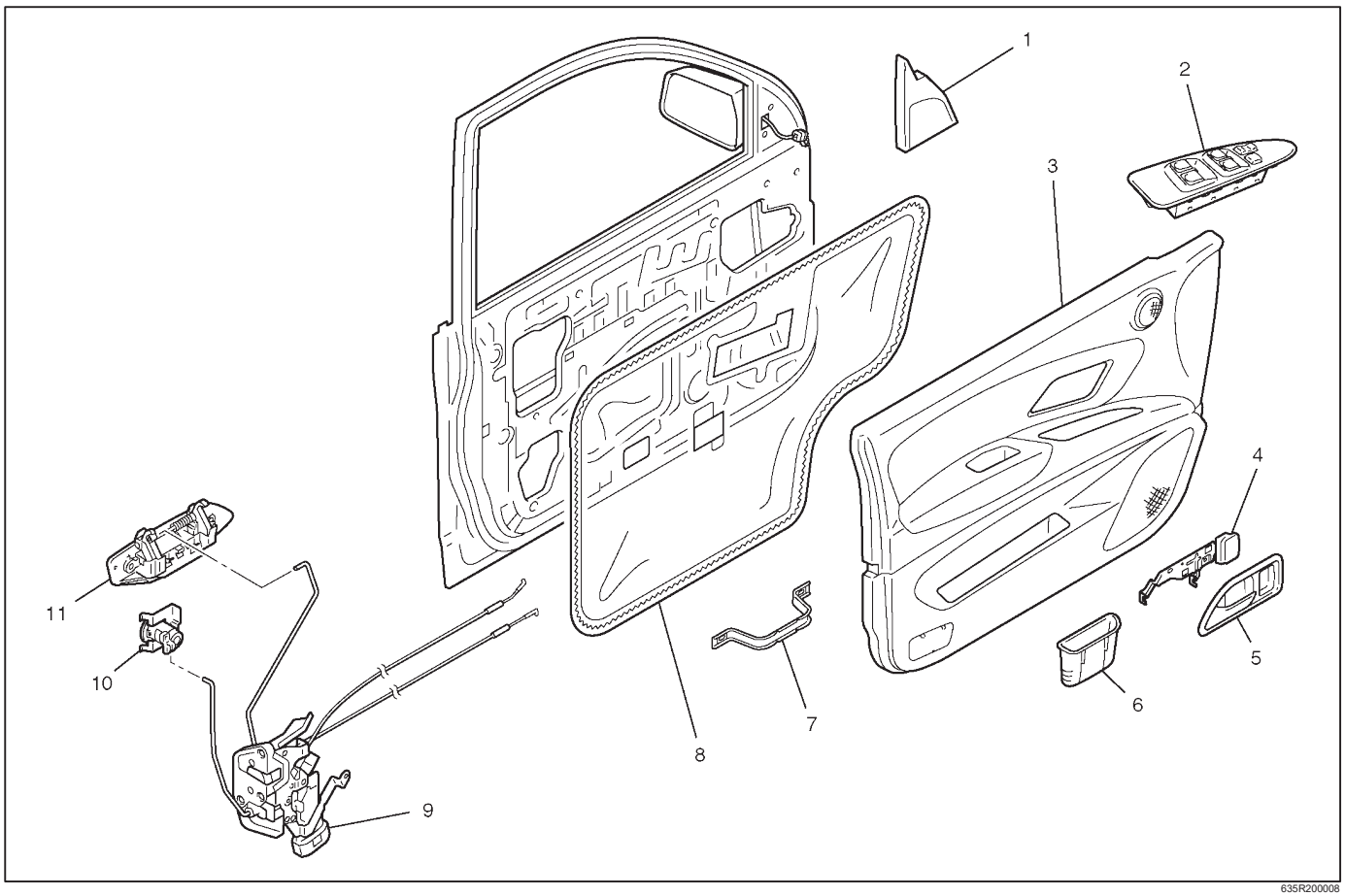
1. Apply chassis grease to the lock assembly and striker moving surface.
2. Tighten the door lock assembly fixing screws to the specified torque.

   Torque 7 N·m (61 lb in)

3. Check that the door lock operates smoothly.

Front Outside Handle

Front Outside Handle and Associated Parts



Legend

(1) Door Mirror Cover
(2) Power Window Switch
(3) Door Trim Panel
(4) Inside Lock Bracket
(5) Inside Handle
(6) Pull Box
(7) Pull Box Bracket
(8) Waterproof Sheet
(9) Door Lock Assembly
(10) Door Locking Cylinder
(11) Outside Handle

Removal

1. Disconnect the battery ground cable.
2. Remove the door trim panel.
   - Refer to *Front Door Lock Assembly in this section.*
3. Remove the waterproof sheet.
   - Taking notice of the door harness, peel the waterproof sheet off the door panel carefully.
4. Disconnect the locking links and remove the outside handle.
5. Remove the fixing clip to remove the door lock cylinder.

Installation

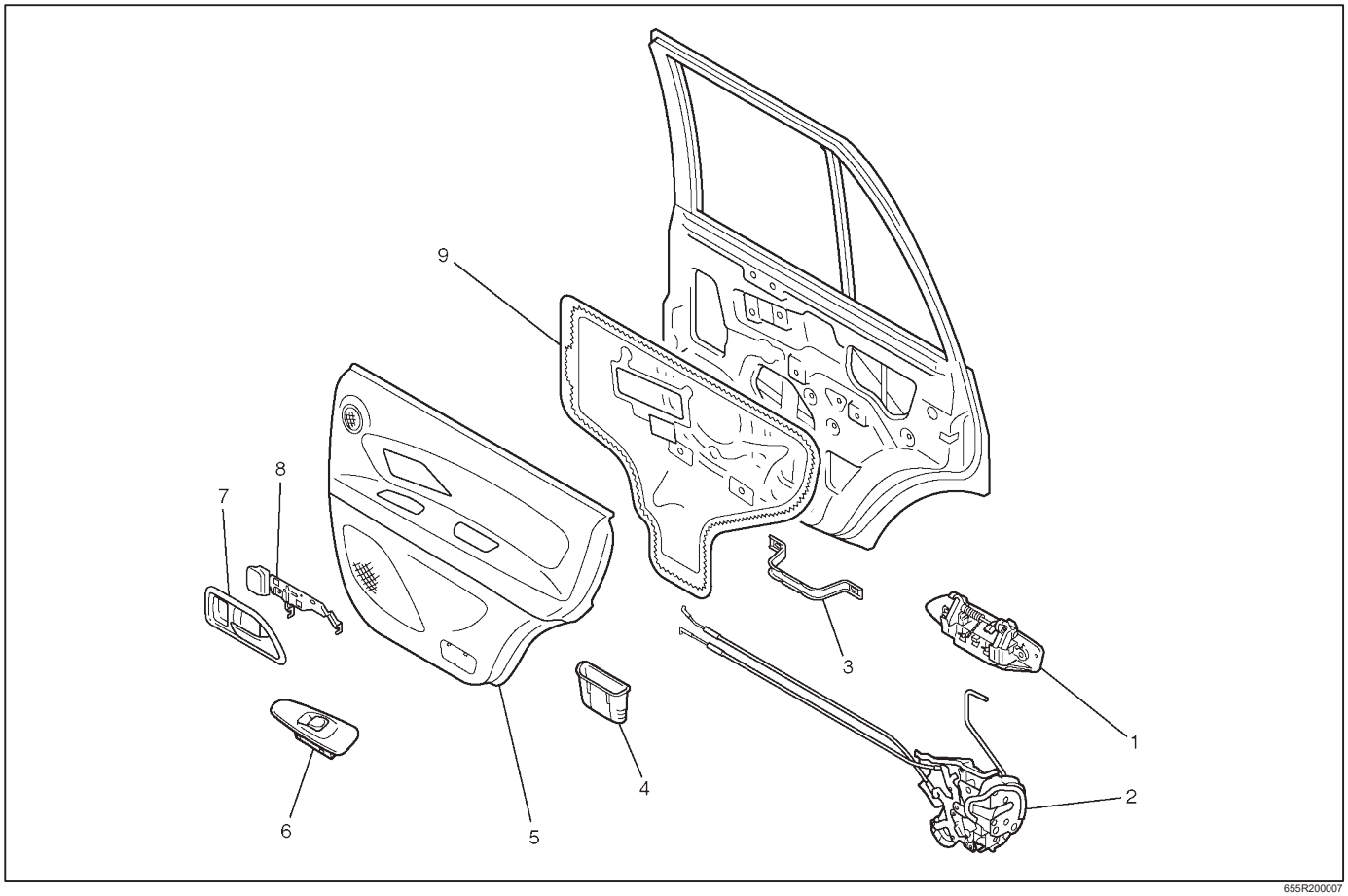
To install, follow the removal steps in the reverse order, noting the following points:

1. Be sure to install the door lock cylinder at a specified angle to the outside handle.
2. Check for smooth outside handle and lock cylinder operation.
3. Tighten the outside handle fixing bolts to the specified torque.

   Torque 7 N·m (61 lb in)

Rear Door Lock Assembly

Rear Door Lock Assembly and Associated Parts



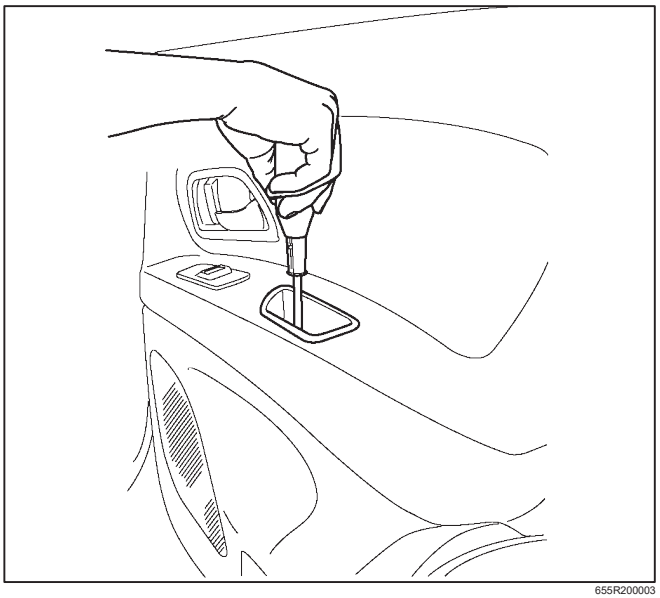
655R200007

Legend

(1) Outside Handle
(2) Door Lock Assembly
(3) Pull Box Bracket
(4) Pull Box
(5) Door Trim Panel
(6) Power Window Switch
(7) Inside Handle
(8) Inside Lock Bracket
(9) Waterproof Sheet

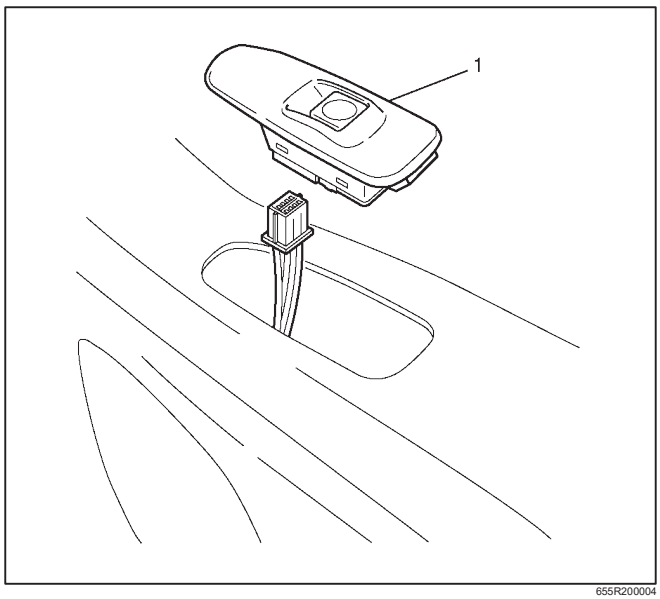
Removal

1. Disconnect the battery ground cable.
2. Remove the pull box.
   - Remove the fixing screw.



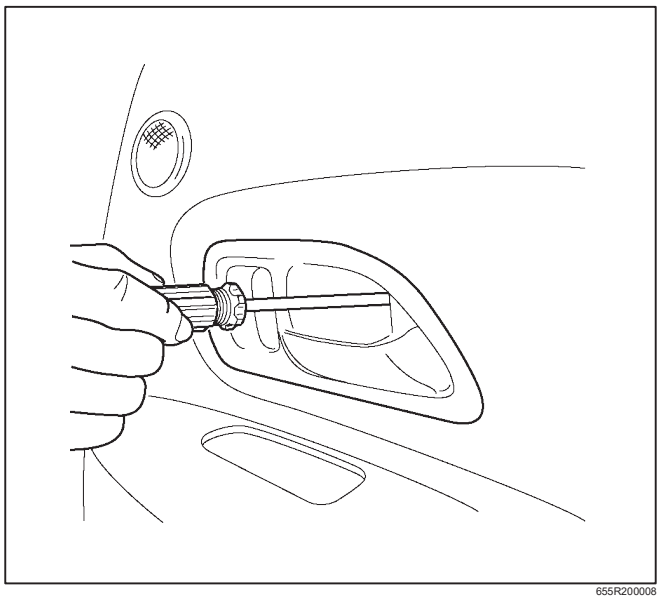
655R200003

3. Remove the power window switch (1).
   - Pry the power window switch and remove the connector.

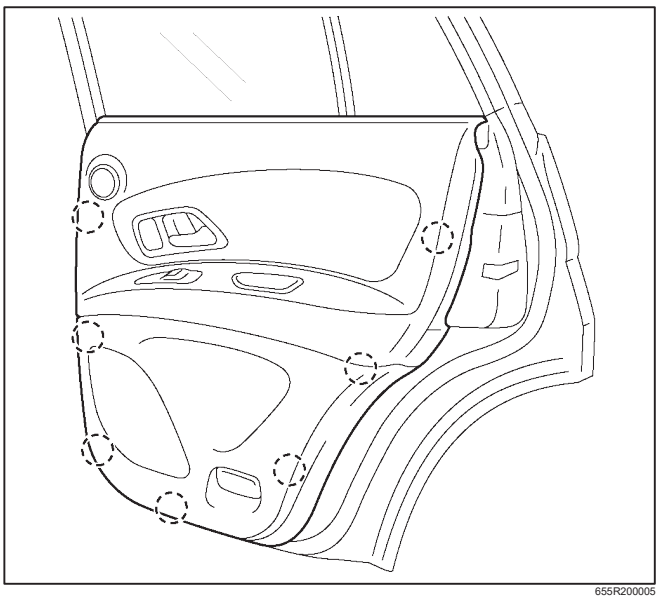


655R200004

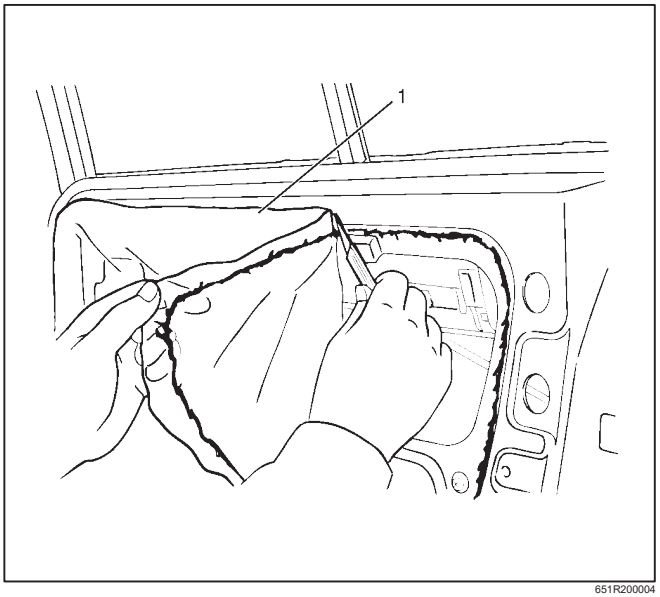
4. Remove the inside handle.
   - Open the screw cover and remove the screw.
   - Disconnect the cable.


655R200008

5. Pull the trim panel at the 7 clip positions.
   - Disconnect the tweeter and courtesy light connectors.

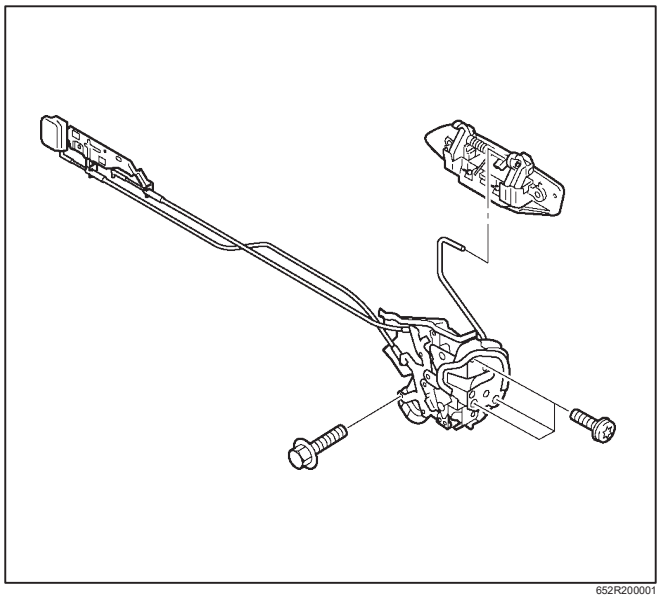

655R200005

6. Remove the pull box bracket.
7. Remove the inside lock bracket.
   - Disconnect the cable.
8. Peel the waterproof sheet.
   - Taking notice of the door harness, peel the waterproof sheet off the door panel carefully.



651R200004

9. Remove the door lock assembly.
   - Disconnect the locking link and harness connector.
   - Remove the 3 fixing Torx screws and bolt.


652R200001

Installation

To install, follow the removal steps in the reverse order, noting the following points.

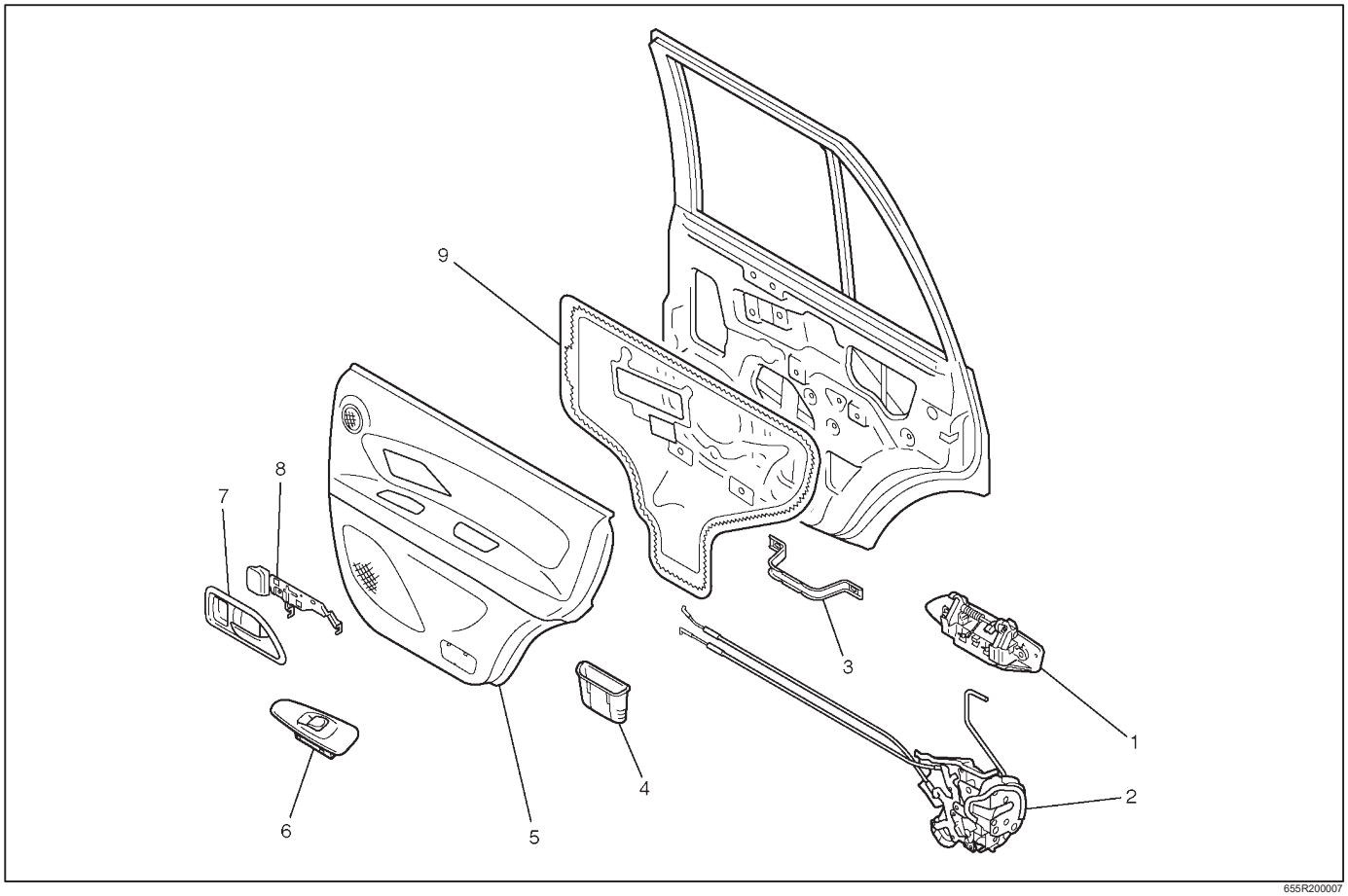
1. Apply chassis grease to the lock assembly and striker moving surface.
2. Tighten the door lock assembly fixing screws to the specified torque.

   Torque 7 N·m (61 lb in)

3. Check that the door lock operates smoothly.

Rear Outside Handle

Rear Outside Handle and Associated Parts



Legend

(1) Outside Handle
(2) Door Lock Assembly
(3) Pull Box Bracket
(4) Pull Box
(5) Door Trim Panel
(6) Power Window Switch
(7) Inside Handle
(8) Inside Lock Bracket
(9) Waterproof Sheet

Removal

1. Disconnect the battery ground cable.
2. Remove the door trim panel.
   - Refer to *Rear Door Lock Assembly in this section.*
3. Peel the waterproof sheet.
   - Taking notice of the door harness, peel the waterproof sheet off the door panel carefully.
4. Disconnect the locking link and remove fixing bolts to remove the outside handle.

Installation

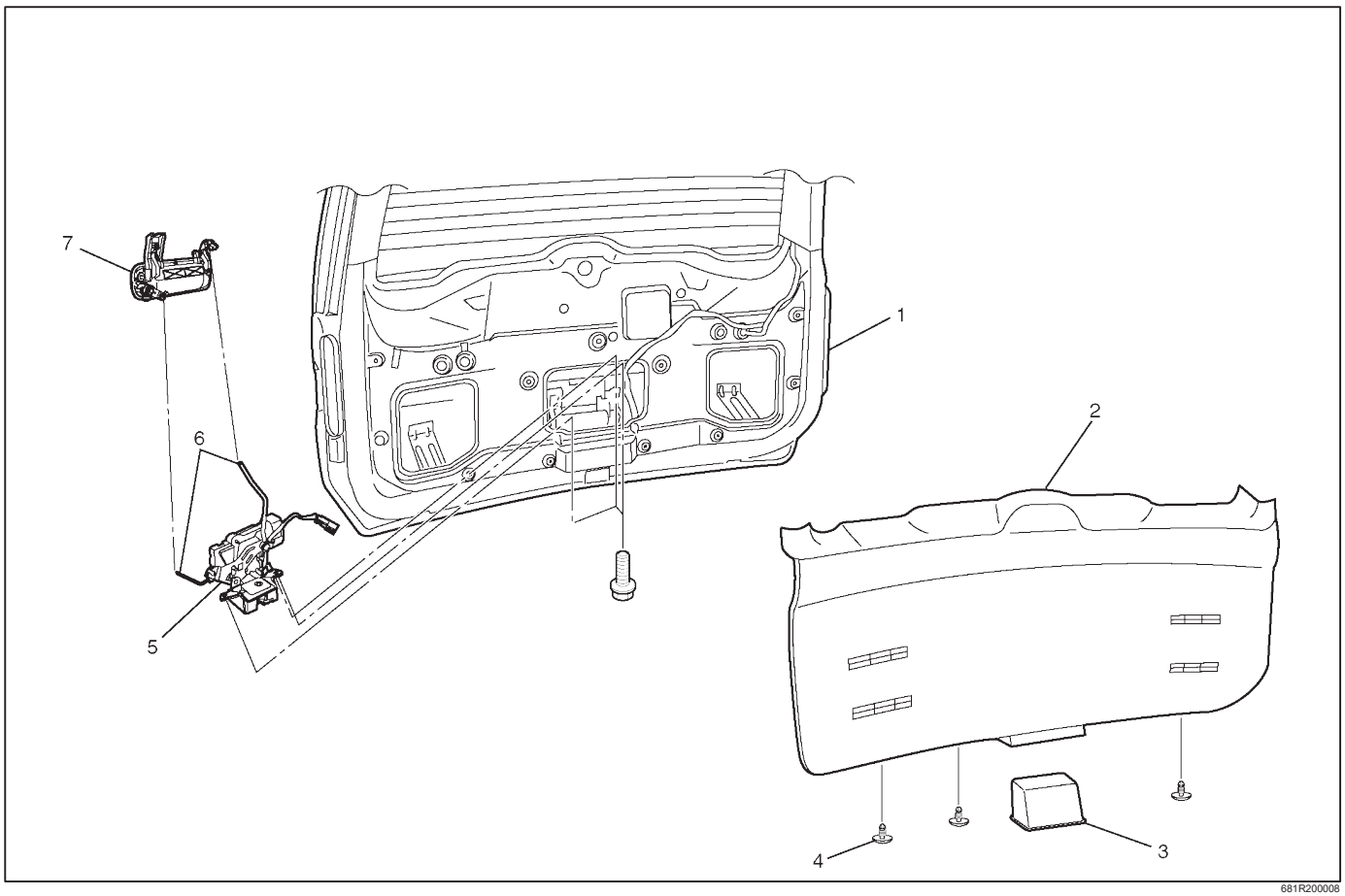
To install, follow the removal steps in the reverse order, noting the following points.

1. Check that the outside handle operates smoothly.
2. Tighten the outside handle fixing bolts to the specified torque.

   Torque 7 N·m (61 lb in)

Tailgate Lock and Outside Handle

Tailgate Lock, Outside Handle and Associated Parts



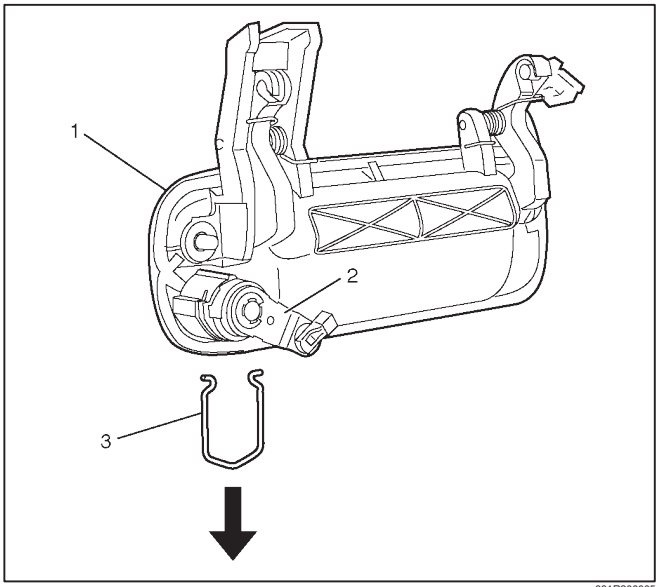
681R200008

Legend

(1) Tailgate Panel Assembly
(2) Tailgate Lower Trim Cover
(3) Tailgate Pull Box
(4) Clip
(5) Tailgate Lock Assembly
(6) Locking Link
(7) Tailgate Outside Handle

Removal

1. Disconnect the battery ground cable.
2. Remove the tailgate pull box.
3. Remove the three clips.
4. Remove the tailgate lower trim cover.
   - Pull the tailgate lower trim cover at the thirteen clip positions.
5. Remove the tailgate lock assembly.
   - Remove the three fixing bolts.
   - Disconnect the locking links and harness connector.
6. Remove the tailgate outside handle.
   - Remove the two fixing nuts.
7. Remove the tailgate lock cylinder(2).
   - Remove the fixing clip(3) pull lock cylinder from the outside handle (1).



681R200005

Installation

To install, follow the removal steps in the reverse order, noting the following points:

1. Check for smooth outside handle and lock cylinder operation.
2. Tighten the tailgate lock assembly fixing bolts to the specified torque.

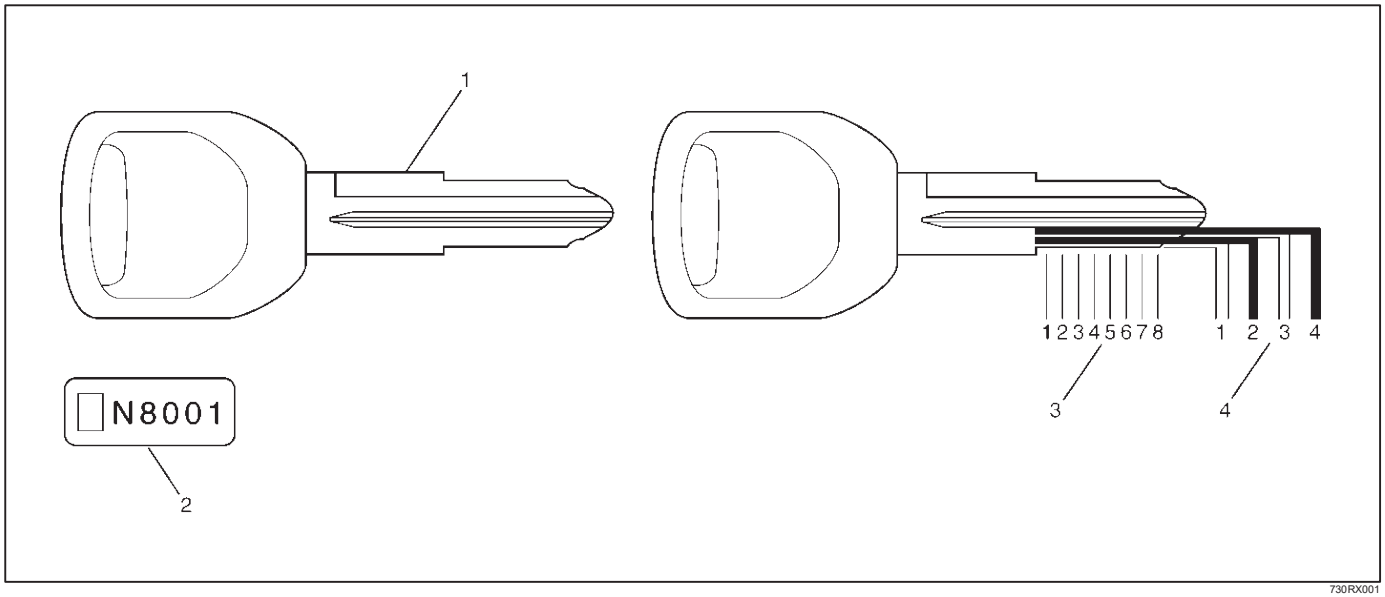
   Torque 7 N·m (61 lb in)

3. Tighten the tailgate outside handle fixing nuts to the specified torque.

   Torque 7 N·m (61 lb in)

Key

Key Coding

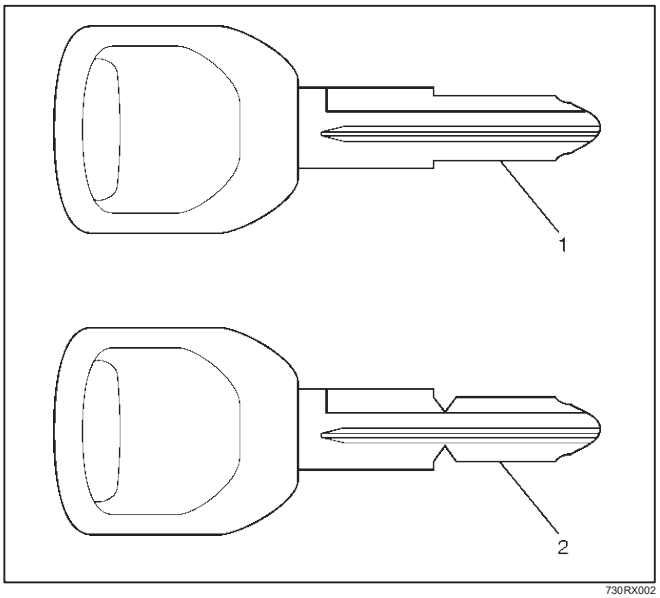


730RX001

Legend
(1) Key (Actual size)
(2) Key Code Tag
(3) Position
(4) Level

One key is used for the ignition, door, and tailgate lock cylinders. The keys are cut on both edges to make them reversible.
Key identification is obtained from the five character key code stamped on the key code tag. From this key code, the key code cutting combination can be determined from a code list (available to owners of key cutting equipment from suppliers).
If key codes are not available from records or tags, the key code can be obtained from the right hand door lock cylinder (if lock has not been replaced). Lock cylinders supplied by the factory as service parts are unmarked.
If the original key is available, the key code cutting combination can be determined by laying the key on the diagram shown in the figure.

Key Styles



730RX002

Legend
(1) Blank Key Style “A”
(2) Blank Key Style “B”

The keys come in styles A or B depending on the key code cutting combination. When the first position in the combination is a 1, 2 or 3, Style A is used. When the first position is a 4, Style B (factory pre-cut key) is used.

Power Door Lock System

General Description

The circuit consists of the door lock (& power window) switch, door lock actuator for the front and rear door, tailgate lock actuator and the door lock key switch.
The front door lock switch–LH is always provided with the battery voltage.
The key or the inside lock button on both driver's and front passenger's door can activate the lock mechanism of all the doors (including the tailgate).
When the driver's door lock switch or the front passenger's door lock switch is turned on, current flows for about one second to the door lock actuator of each door connected in parallel with the front door lock (& power window) switch–LH to activate the actuator to lock and unlock the doors.

Door Lock Key Switch

Removal and Installation

- Refer to *the Front Door Lock Assembly removal and installation steps in this section.*

Front Door Lock Actuator

Removal and Installation

- Refer to *the Front Door Lock Assembly removal and installation steps in this section.*

Rear Door Lock Actuator

Removal and Installation

- Refer to *the Rear Door Lock Assembly removal and installation steps in this section.*

Tailgate Lock Actuator

Removal and Installation

- Refer to *the Tailgate Lock Assembly removal and installation steps in this section.*

Anti-Theft System

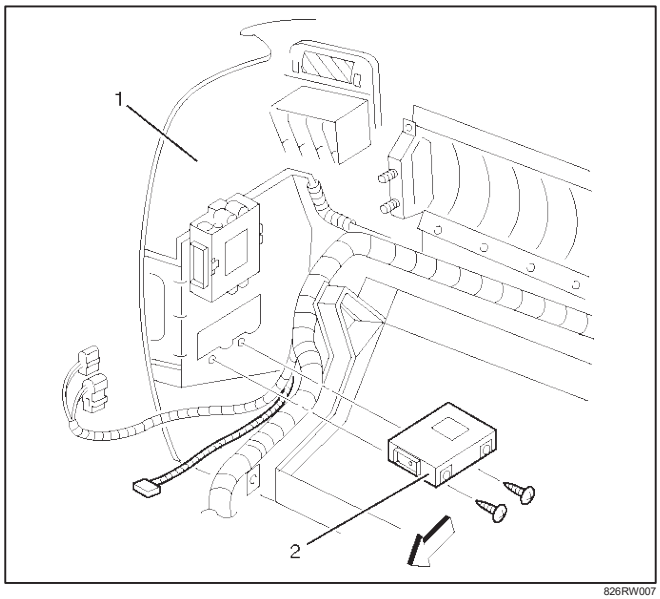
General Description

The circuit consists of the starter switch, anti–theft & keyless entry controller, anti–theft horn, front door and tailgate key switch (detect and tamper) switch, door lock actuator for each door, engine hood switch, clutch start switch (M/T), ANTI–THEFT indicator light and mode switch (A/T).
The system operates as follows: After locking the starter switch and removing the starter key (this sets the alarm), if the door is unlocked in any way other than with the proper key, the headlights will start flashing, the horn sounds, and the starter circuit is disabled. (However, the engine hood and all the doors must be locked and closed.) Once the system has been placed in the warning or alarm condition, it can be released only when the starter switch is shifted from “OFF” to “ACC” by the starter key, or when the lock of the front door or the tailgate is released (to activate the detect switch) by the starter key.

Anti–Theft & Keyless Entry Controller

Removal

1. Disconnect the battery ground cable.
2. Remove the glove box from the instrument panel assembly (1).
   - Refer to *the Instrument Panel Assembly in Body Structure section.*
3. Remove the anti–theft & keyless entry controller (2).
   - Disconnect the connector.
   - Remove two fixing screws.



826RW007

Installation

To install, follow the removal steps in the reverse order.

Anti–Theft Indicator

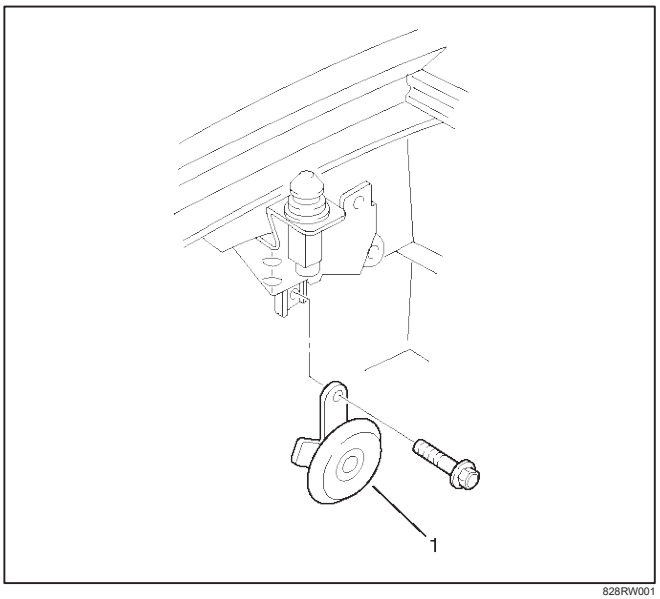
Removal and Installation

Refer to *GPS in Entertainment section.*

Anti–Theft Horn

Removal

1. Disconnect the battery ground cable.
2. Remove the anti–theft horn (1).
   - Disconnect the connector.
   - Remove a fixing bolt.



828RW001

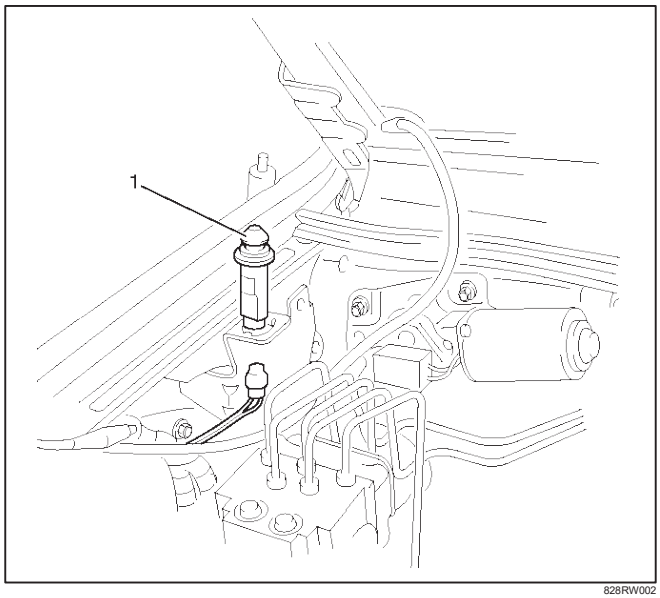
Installation

To install, follow the removal steps in the reverse order.

Engine Hood Switch

Removal

1. Disconnect the battery ground cable.
2. Disconnect the connector.
3. Remove the engine hood switch (1).



Installation

To install, follow the removal steps in the reverse order.

Anti–theft & Keyless Entry Control Unit/Transmitter Replacement

Anti–theft & Keyless Entry Control Unit Replacement

1. Remove and install the control unit.
   - Refer to *Anti–theft & Keyless Entry Control Unit Removal and Installation in this section.*
2. Register ID code.
   - Refer to *ID Code Registration in this section.*
3. Check that the keyless entry system works normally.

Transmitter Replacement

1. Prepare a new transmitter.
2. Register ID code.
   - Refer to *ID Code Registration in this section.*
3. Check that the keyless entry system works normally.

Transmitter Battery Replacement

1. Remove a screw to remove the cover.
2. Remove the batteries.
3. Set the new batteries into the transmitter.
4. Install the cover to the transmitter.
5. Check that the keyless entry system works normally.

Keyless Entry System

ID Code Registration

The following procedures are available to register keyless entry ID codes.
There are four different ID codes which can be registered for each vehicle.

ID Code New Registration

This procedure erases all registered ID codes and registers a new ID code instead.

Step	Action	Yes	No
1	1. Make sure that the all the doors are closed and unlocked. 2. Open the driver's side door. 3. Insert the starter key into the starter switch. Is the action complete?	Go to *Step 2*	—
2	Turn the starter switch to ACC position and return it to OFF position quickly three times. NOTE: This step must be carried out within five seconds after step 1 is finished. Is the action complete?	Go to *Step 3*	Go to *Step 1*
3	Close and open the drive's side door quickly two times. NOTE: This step must be carried out within ten seconds after step 2 is finished. Is the action complete?	Go to *Step 4*	Go to *Step 1*
4	1. Turn the starter switch to ACC position and return it to OFF position quickly five times. 2. Close and open the driver's side door quickly one time. NOTE: This step must be carried out within ten seconds after step 3 is finished. Is the action complete?	Go to *Step 5*	Go to *Step 1*
5	The control unit locks and unlocks the doors one time. Does the control unit work normally?	Go to *Step 6*	Go to *Step 1*
6	Operate the lock or unlock button of the transmitter. NOTE: This step must be carried out within twenty seconds after step 5 is finished. Is the action complete?	Go to *Step 7*	Go to *Step 1*
7	The control unit locks and unlocks the doors one time. Does the control unit work normally?	Go to *Step 8*	Go to *Step 1*
8	Operate the lock or unlock button of the transmitter. NOTE: This step must be carried out within twenty seconds after step 7 is finished. Is the action complete?	Go to *Step 9*	Go to *Step 1*
9	If registration succeeds, the control unit locks and unlocks the doors one time. If registration fails, the control unit locks and unlocks the doors three times.	Go to *Step 1*	Go to *Step 1*

ID Code Additional Registration

This procedure additionally registers a new ID code with holding registered ID codes. If total number of registered ID codes and newly registered ID code exceed four, the oldest one is erased.

Step	Action	Yes	No
1	1. Make sure that the all the doors are closed and unlocked. 2. Open the driver's side door. 3. Insert the starter key into the starter switch. Is the action complete?	Go to *Step 2*	—
2	Turn the starter switch to ACC position and return it to OFF position quickly three times. NOTE: This step must be carried out within five seconds after step 1 is finished. Is the action complete?	Go to *Step 3*	Go to *Step 1*
3	Close and open the driver's side door quickly two times. NOTE: This step must be carried out within ten seconds after step 2 is finished. Is the action complete?	Go to *Step 4*	Go to *Step 1*
4	1. Turn the starter switch to ACC position and return it to OFF position quickly three times. 2. Close and open the driver's side door quickly one time. NOTE: This step must be carried out within ten seconds after step 3 is finished. Is the action complete?	Go to *Step 5*	Go to *Step 1*
5	The control unit locks and unlocks the doors two times. Does the control unit work normally?	Go to *Step 6*	Go to *Step 1*
6	Operate the lock or unlock button of the transmitter. NOTE: This step must be carried out within twenty seconds after step 5 is finished. Is the action complete?	Go to *Step 7*	Go to *Step 1*
7	The control unit locks and unlocks the doors one time. Does the control unit work normally?	Go to *Step 8*	Go to *Step 1*
8	Operate the lock or unlock button of the transmitter. NOTE: This step must be carried out within twenty seconds after step 7 is finished. Is the action complete?	Go to *Step 9*	Go to *Step 1*
9	If registration succeeds, the control unit locks and unlocks the doors one time. If registration fails, the control unit locks and unlocks the doors three times.	Go to *Step 1*	Go to *Step 1*

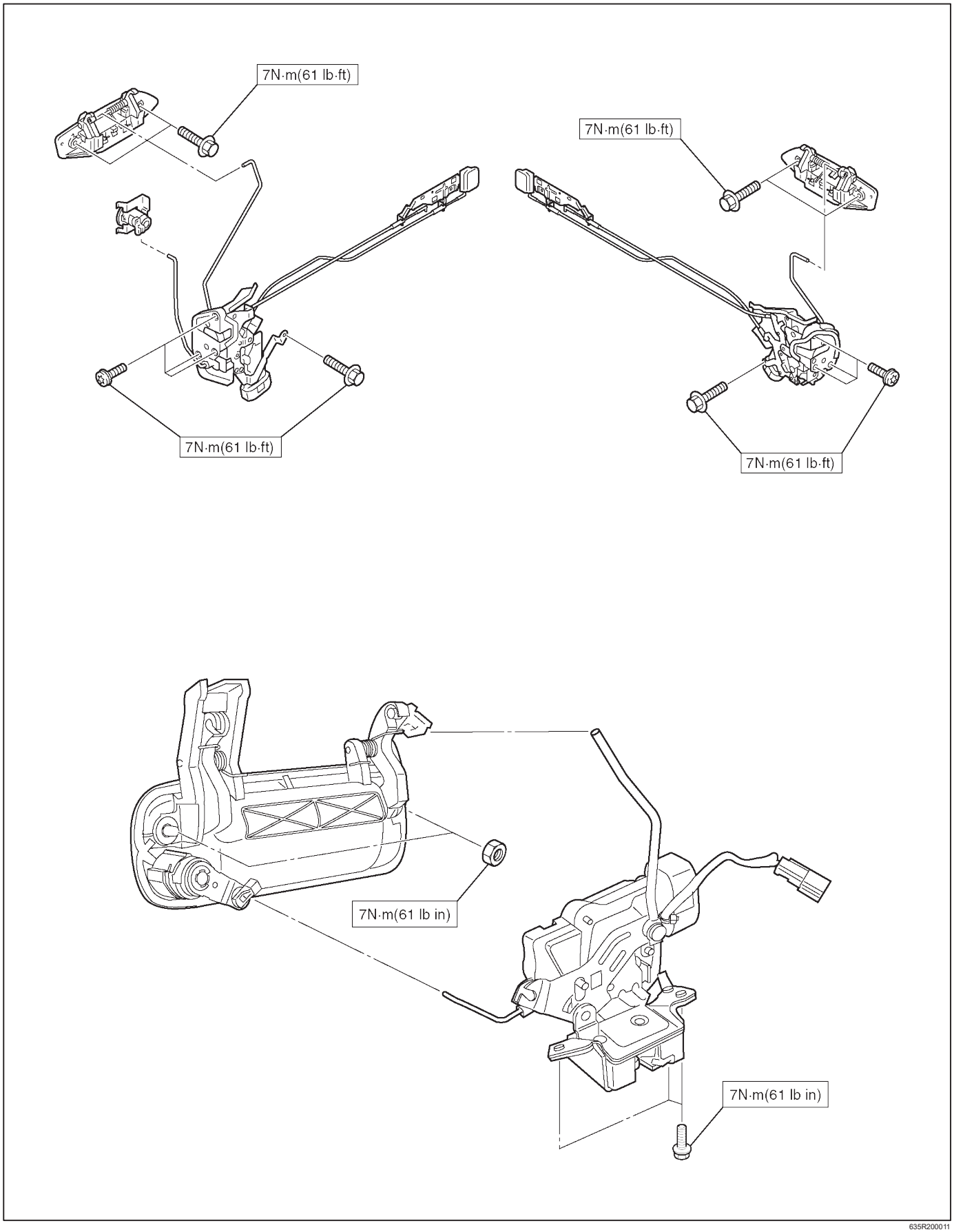
ID Code Check

This procedure checks how many ID codes are registered.

Step	Action	Yes	No
1	1. Make sure that the all the doors are closed and unlocked. 2. Open the driver's side door. 3. Insert the starter key into the starter switch. Is the action complete?	Go to *Step 2*	—
2	Turn the starter switch to ACC position and return it to OFF position quickly three times. NOTE: This step must be carried out within five seconds after step 1 is finished. Is the action complete?	Go to *Step 3*	Go to *Step 1*
3	Close and open the drive's side door quickly two times. NOTE: This step must be carried out within ten seconds after step 2 is finished. Is the action complete?	Go to *Step 4*	Go to *Step 1*
4	1. Turn the starter switch to ACC position and return it to OFF position quickly one time. 2. Close and open the drive's side door quickly one time. NOTE: This step must be carried out within ten seconds after step 3 is finished. Is the action complete?	Go to *Step 5*	Go to *Step 1*
5	The control unit locks and unlocks the doors twice as many registered ID codes.	Go to *Step 1*	Go to *Step 1*

Main Data and Specifications

Torque Specifications



635R200011

AXIOM

BODY AND ACCESSORIES

SUNROOF/CONVERTIBLE TOP

CONTENTS

Service Precaution 8I–1
Sunroof Glass 8I–2
Sunroof Glass and Associated Parts 8I–2
Removal 8I–2
Installation 8I–3
Sunroof Deflector 8I–3
Removal 8I–3
Installation 8I–3
Sunshade 8I–4
Disassembled View 8I–4
Removal 8I–4
Installation 8I–5
Sunroof Frame Complete Assembly 8I–6
Sunroof Frame Complete Assembly and Associated Parts 8I–6
Removal 8I–6
Installation 8I–7
Sunroof Switch 8I–7
Removal 8I–7
Installation 8I–7
Sunroof Control Unit 8I–8
Removal 8I–8
Installation 8I–8
Sunroof Motor 8I–8
Removal 8I–8
Installation 8I–8
Main Data and Specifications 8I–9

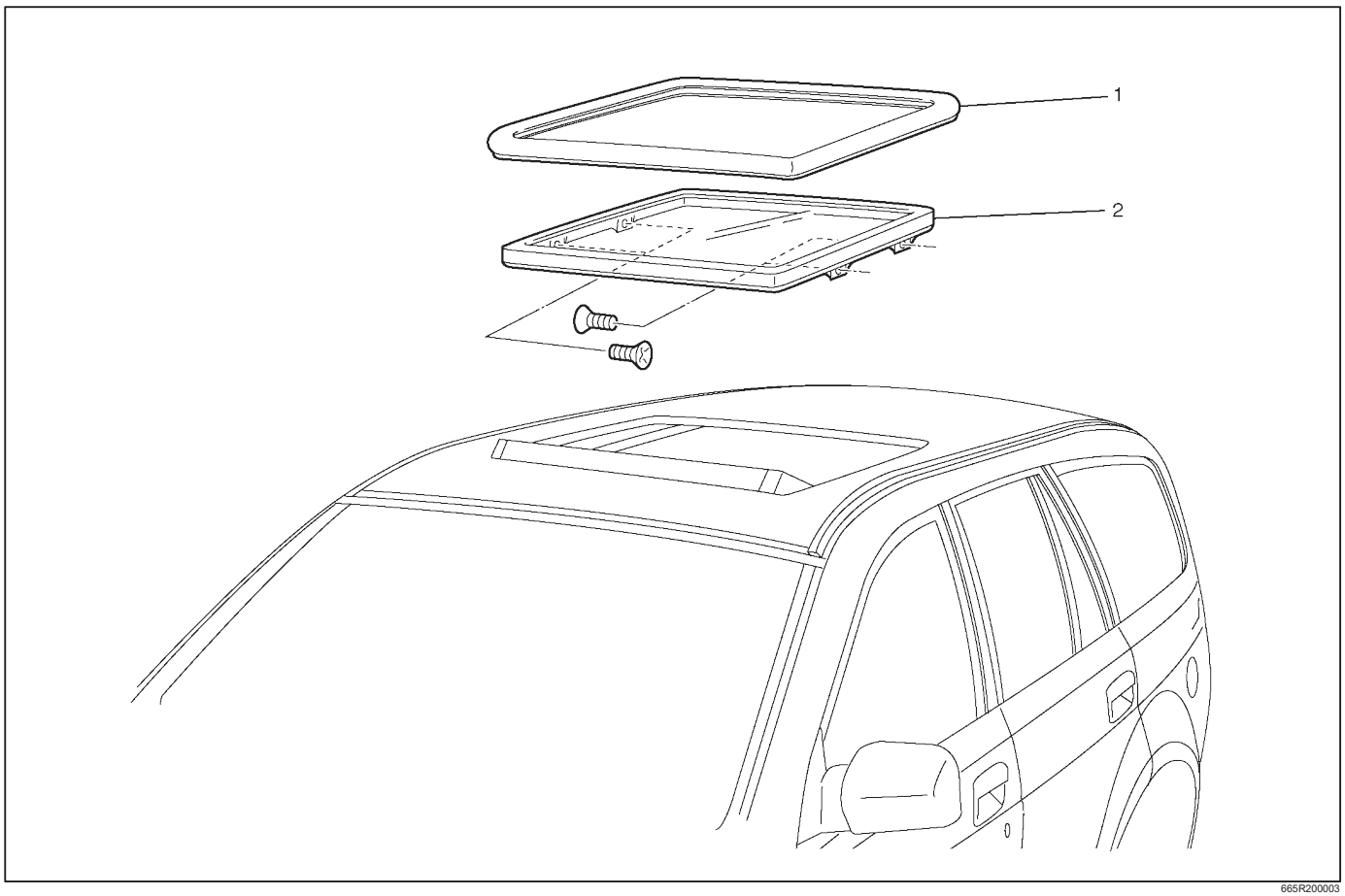
Service Precaution

WARNING: THIS VEHICLE HAS A SUPPLEMENTAL RESTRAINT SYSTEM (SRS). REFER TO THE SRS COMPONENT AND WIRING LOCATION VIEW IN ORDER TO DETERMINE WHETHER YOU ARE PERFORMING SERVICE ON OR NEAR THE SRS COMPONENTS OR THE SRS WIRING. WHEN YOU ARE PERFORMING SERVICE ON OR NEAR THE SRS COMPONENTS OR THE SRS WIRING, REFER TO THE SRS SERVICE INFORMATION. FAILURE TO FOLLOW WARNINGS COULD RESULT IN POSSIBLE AIR BAG DEPLOYMENT, PERSONAL INJURY, OR OTHERWISE UNNEEDED SRS SYSTEM REPAIRS.

CAUTION: Always use the correct fastener in the proper location. When you replace a fastener, use ONLY the exact part number for that application. ISUZU will call out those fasteners that require a replacement after removal. ISUZU will also call out the fasteners that require thread lockers or thread sealant. UNLESS OTHERWISE SPECIFIED, do not use supplemental coatings (Paints, greases, or other corrosion inhibitors) on threaded fasteners or fastener joint interfaces. Generally, such coatings adversely affect the fastener torque and the joint clamping force, and may damage the fastener. When you install fasteners, use the correct tightening sequence and specifications. Following these instructions can help you avoid damage to parts and systems.

Sunroof Glass

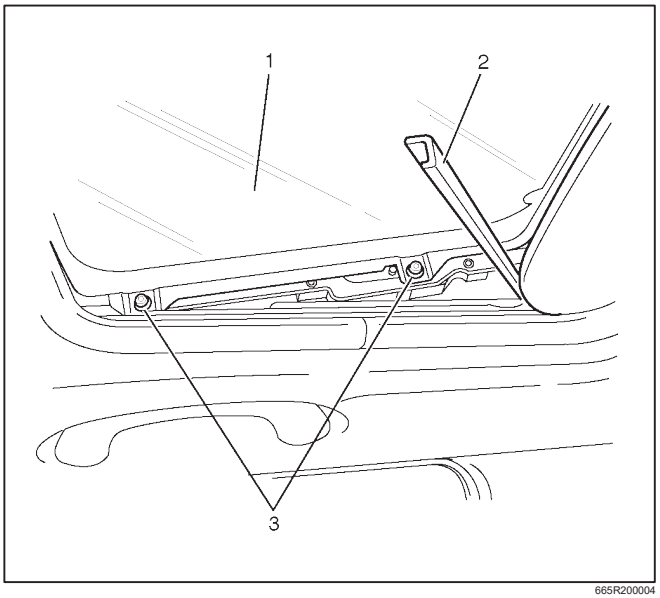
Sunroof Glass and Associated Parts



Legend
(1) Sunroof Weatherstrip
(2) Sunroof Glass

Removal

1. Tilt the sunroof and open the sunshade.
2. Disconnect the battery ground cable.
3. Pull out the front of sight shield (2).
4. Remove four sunroof glass fixing Torx screws (3) to remove the sunroof glass (1).



Installation

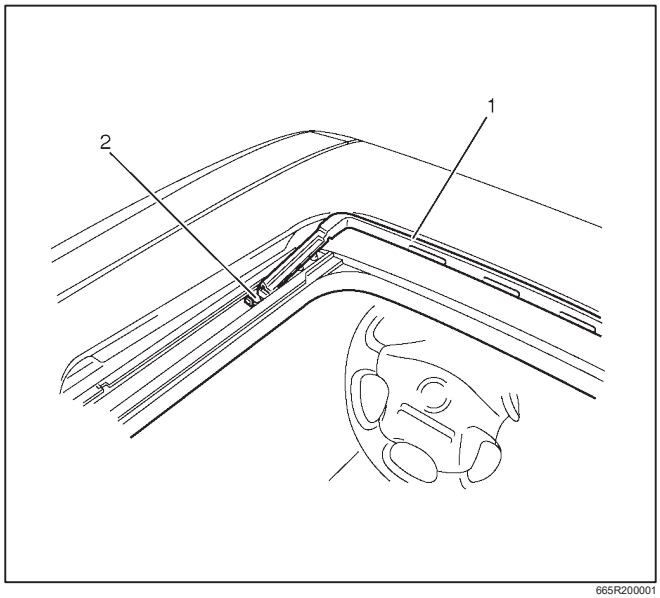
1. Be sure to install the sunroof weatherstrip so that the joint of the weatherstrip is on the rear side of the vehicle.
2. Temporary install the glass to the sunroof frame.
3. Open and shut the sunroof four to five times to position correctly the sunroof weatherstrip and the glass in the longitudinal and latitudinal setting positions.
4. Adjust the setting position to flush the surface between the roof panel and weatherstrip of sunroof glass.
5. Tighten the sunroof glass fixing screws to the specified torque.

   Torque: 4 N·m (35 lb in)
6. Inspect the sunroof alignment after installing the sunroof glass. Use the fixing screws to adjust the sunroof if not aligned.

Sunroof Deflector

Removal

1. Open the sunroof.
   - Let a 5 mm (0.20 in) drill go through two blind rivets (2) to disengage riveted portions.
2. Remove the sunroof deflector (1).



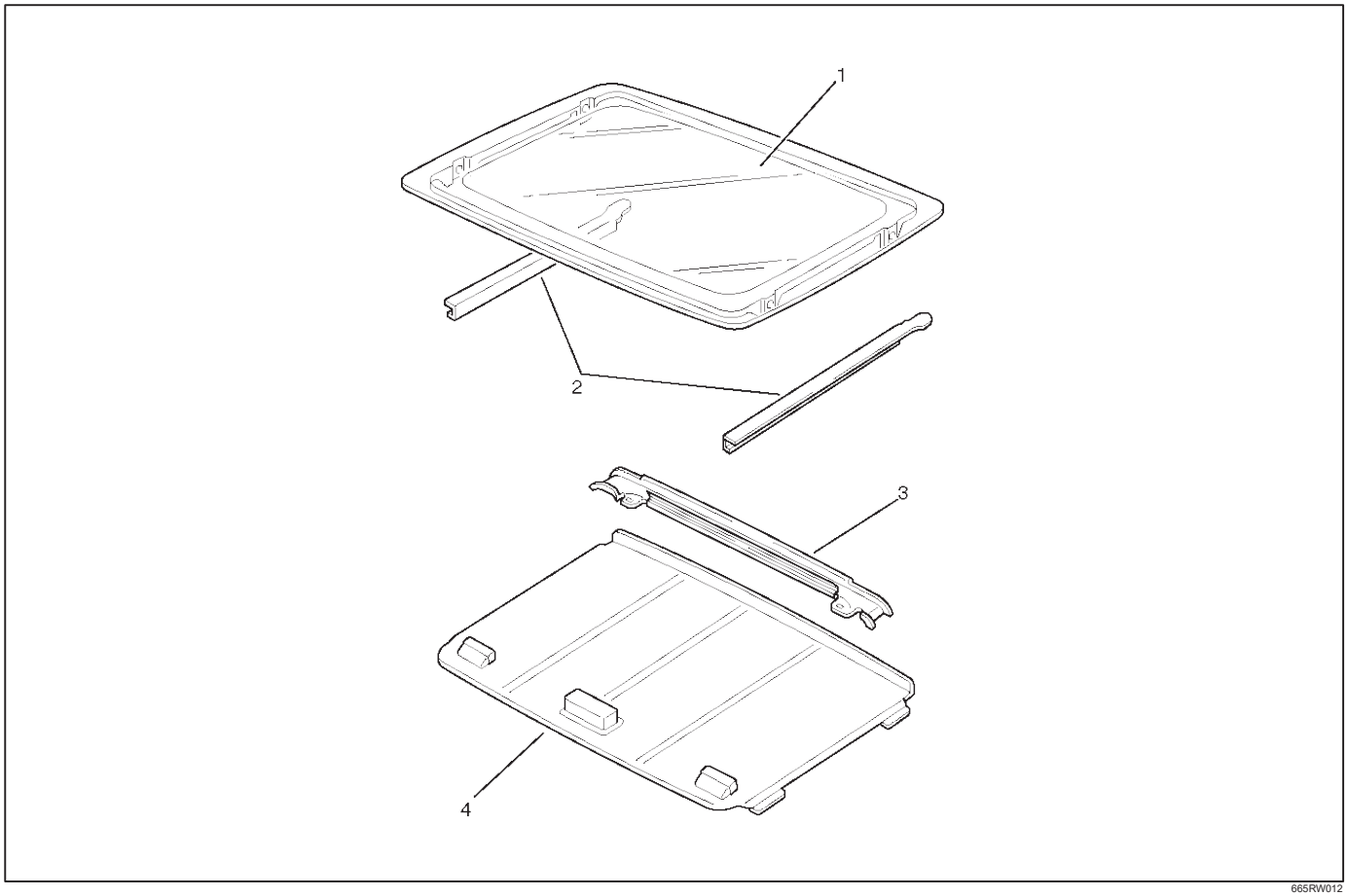
665R200001

Installation

To install, follow the removal steps in the reverse order.

Sunshade

Disassembled View



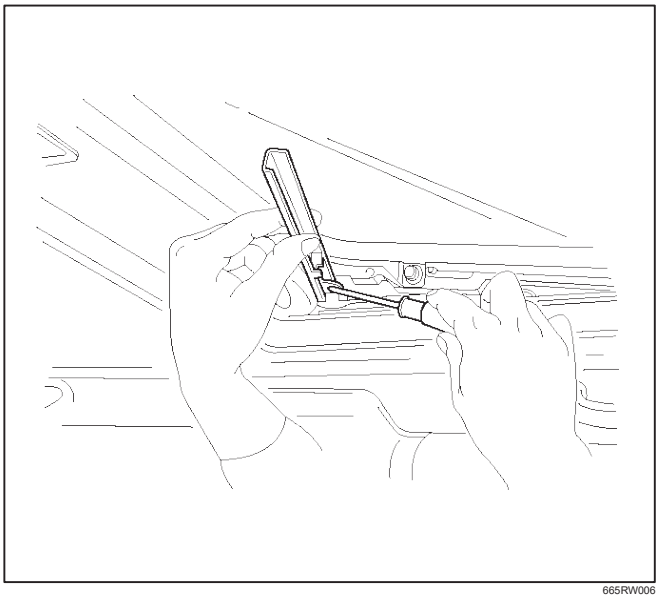
665RW012

Legend

(1) Sunroof Glass
(2) Sight Shield
(3) Sunshade Stopper
(4) Sunshade

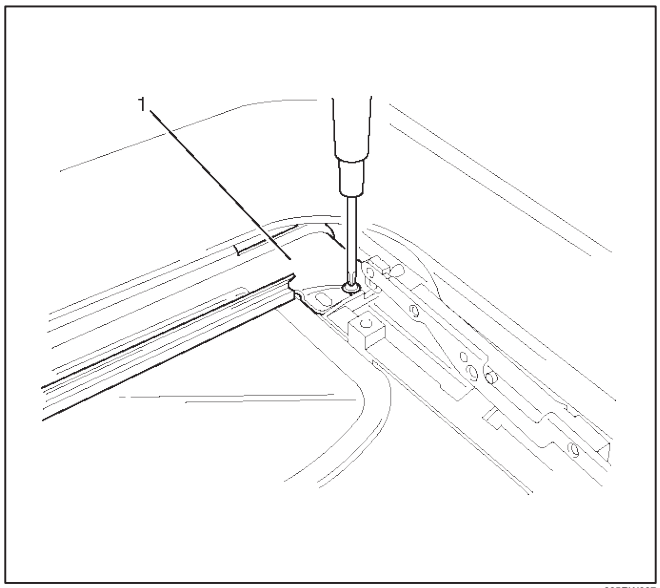
Removal

1. Tilt the sunroof.
2. Disconnect the battery ground cable.
3. Remove the sunroof glass.
   - Refer to Sunroof Glass in this section.
4. Pull the sight shield upward using screwdriver.



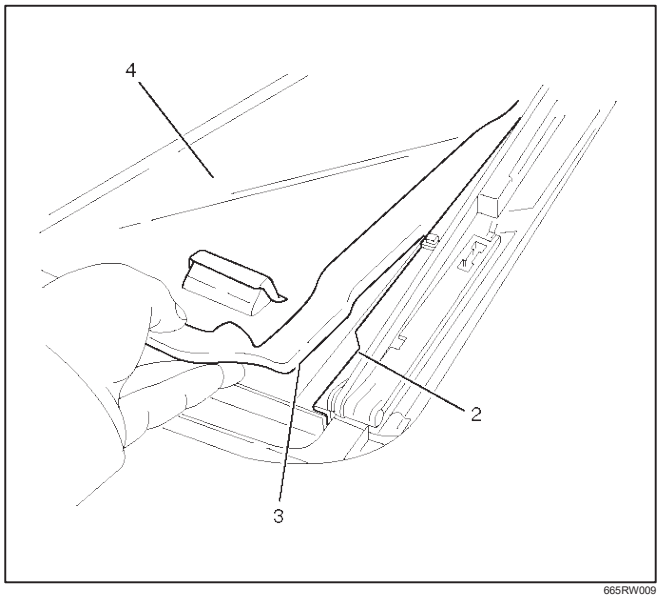
665RW006

5. Remove 2 sunshade stopper fixing screws and remove sunshade stopper (1).



665RW007

6. Pull out the sunshade (4) up to the guide rail edge. Lift the front of sunshade and clear the projection (3) of sunshade through the notch (2) of guide rail edge, then draw the sunshade out of the roof.



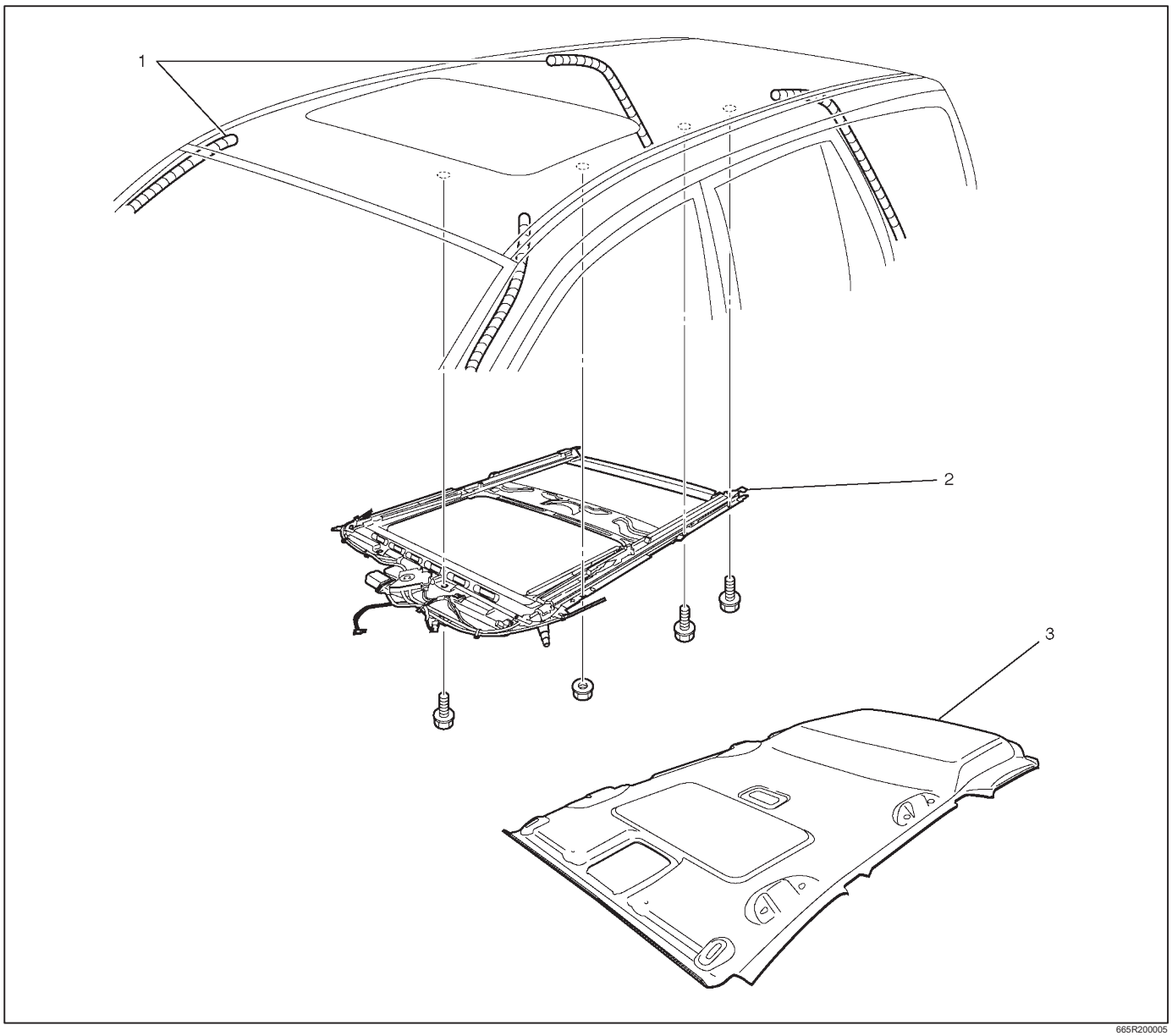
665RW009

Installation

To install, follow the removal steps in the reverse order.

Sunroof Frame Complete Assembly

Sunroof Frame Complete Assembly and Associated Parts



665R200005

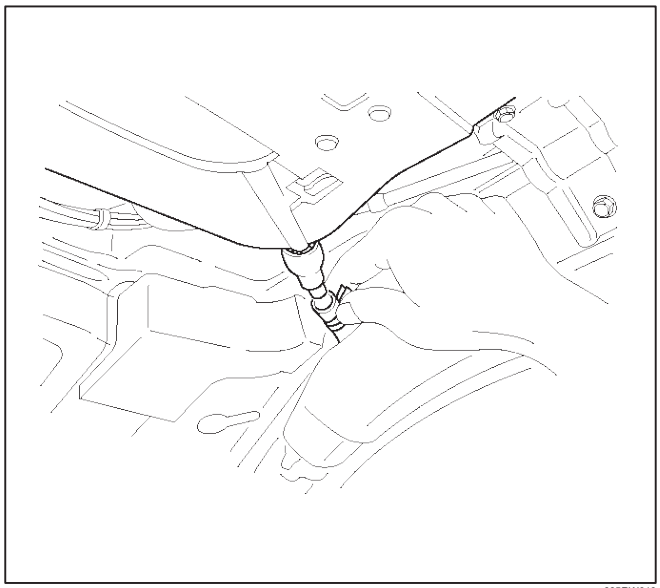
Legend

(1) Sunroof Drain Hose
(2) Sunroof Frame Complete Assembly
(3) Headlining

Removal

1. Disconnect the battery ground cable.
2. Remove the headlining.
   - Refer to Headlining in Exterior/Interior Trim section.

3. Disconnect the sunroof drain hose at the sunroof frame side as shown in the figure.



665RW010

4. Disconnect the sunroof harness connection.
5. Remove two sunroof frame assembly fixing nuts (front side) and six fixing bolts from the frame complete assembly, and then remove the sunroof frame complete assembly.

NOTE: Be sure to remove the frame assembly while supporting it.

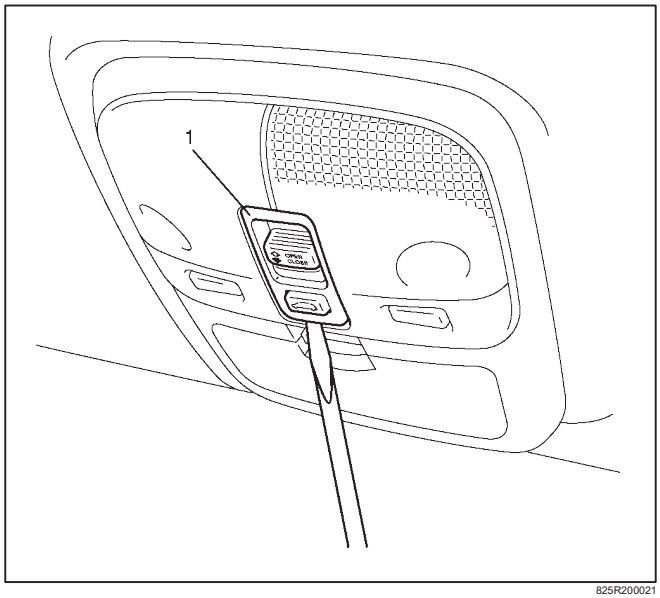
Installation

1. Install the sunroof frame assembly.
2. After installing the frame assembly, loosen the sunroof glass fixing nuts and adjust the sunroof glass setting position.
   - Refer to Sunroof Glass in this section.
3. Install the sunroof drain hose.
4. Install the headlining.
   - Refer to Headlining in Exterior/Interior Trim section.

Sunroof Switch

Removal

1. Disconnect the battery ground cable.
2. Remove the sunroof switch (1).
   - Remove the switch by pushing the spring with the tip of a screwdriver.
   - Disconnect the switch connector.



825R200021

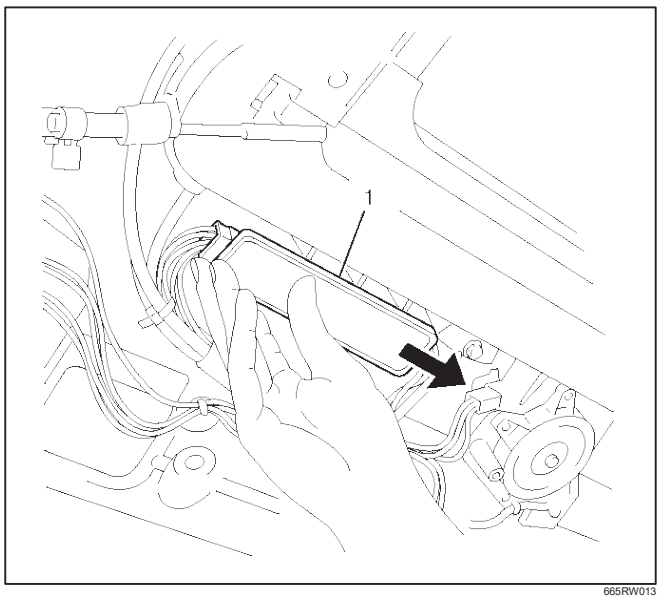
Installation

To install, follow the removal steps in the reverse order.

Sunroof Control Unit

Removal

1. Disconnect the battery ground cable.
2. Remove the headlining.
   - Refer to Headlining in Exterior/Interior Trim section.
3. Remove the sunroof control unit (1).
   - Disconnect two connectors.
   - Remove two screws.



665RW013

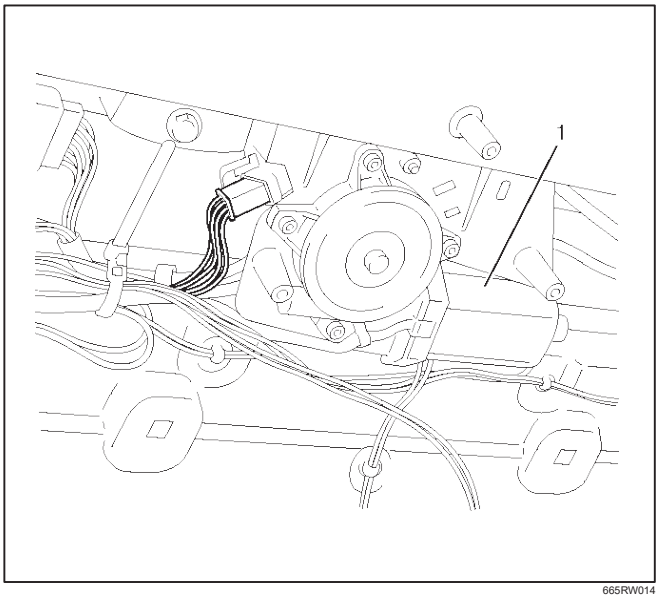
Installation

To install, follow the removal steps in the reverse order.

Sunroof Motor

Removal

1. Disconnect the battery ground cable.
2. Remove the headlining.
   - Refer to Headlining in Exterior/Interior Trim section.
3. Remove the sunroof motor (1).
   - Disconnect the connector.
   - Remove three nuts and two screws.



665RW014

Installation

To install, follow the removal steps in the reverse order.

Main Data and Specifications

Torque Specification

Application	N·m	lb ft	lb in
Sunroof Glass Fixing Screws	4	—	35
Sunroof Frame Fixing Bolts and Nuts	8	—	69

AXIOM

BODY AND ACCESSORIES

EXTERIOR / INTERIOR TRIM

CONTENTS

Service Precaution 8J–2
Consoles 8J–3
Consoles and Associated Parts 8J–3
Removal 8J–3
Installation 8J–4
Front Door Trim Panel 8J–4
Front Door Trim Panel and Associated Parts 8J–4
Removal 8J–5
Installation 8J–5
Rear Door Trim Panel 8J–6
Rear Door Trim Panel and Associated Parts 8J–6
Removal 8J–7
Installation 8J–7
Door Mirror Assembly 8J–8
Removal 8J–8
Installation 8J–8
Interior Mirror Assembly 8J–8
Removal 8J–8
Installation 8J–8
Interior Trim Panels 8J–9
Interior Trim Panels and Associated Parts 8J–9
Removal 8J–9
Installation 8J–11
Headlining 8J–12
Parts Location 8J–12
Removal 8J–12
Installation 8J–13
Overhead Console 8J–14
Parts Location (W/O Sunroof) 8J–14
Removal 8J–14
Installation 8J–14
Parts Location (W/ Sunroof) 8J–15
Removal 8J–15
Installation 8J–15
Wheel Arch Cover 8J–16
Wheel Arch Cover and Associated Parts .. 8J–16
Removal 8J–16
Installation 8J–16
Locker Cover 8J–17
Locker Cover and Associated Parts 8J–17
Removal 8J–17
Installation 8J–17
Fuel Filler Door 8J–18
Parts Location 8J–18
Removal 8J–18
Installation 8J–18
Roof Moulding 8J–19
Parts Location 8J–19
Removal 8J–19
Installation 8J–19
Power Door Mirror System 8J–20
General Description 8J–20
Door Mirror Switch 8J–20
Power Window System 8J–21
General Description 8J–21
Power Window Switch Driver Seat Side .. 8J–21
Power Window Motor 8J–22
Main Data and Specifications 8J–23

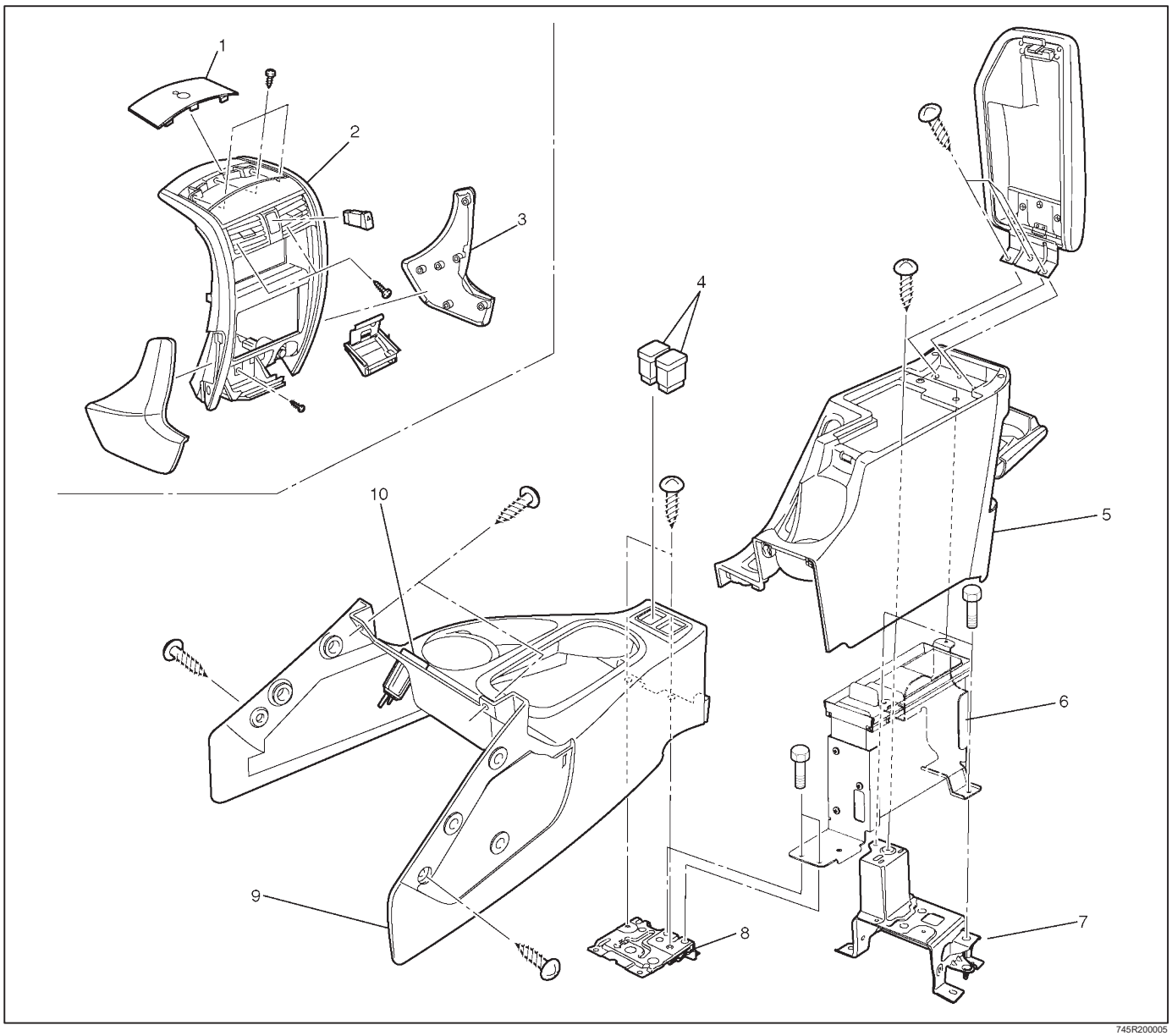
Service Precaution

WARNING: THIS VEHICLE HAS A SUPPLEMENTAL RESTRAINT SYSTEM (SRS). REFER TO THE SRS COMPONENT AND WIRING LOCATION VIEW IN ORDER TO DETERMINE WHETHER YOU ARE PERFORMING SERVICE ON OR NEAR THE SRS COMPONENTS OR THE SRS WIRING. WHEN YOU ARE PERFORMING SERVICE ON OR NEAR THE SRS COMPONENTS OR THE SRS WIRING, REFER TO THE SRS SERVICE INFORMATION. FAILURE TO FOLLOW WARNINGS COULD RESULT IN POSSIBLE AIR BAG DEPLOYMENT, PERSONAL INJURY, OR OTHERWISE UNNEEDED SRS SYSTEM REPAIRS.

CAUTION: Always use the correct fastener in the proper location. When you replace a fastener, use ONLY the exact part number for that application. ISUZU will call out those fasteners that require a replacement after removal. ISUZU will also call out the fasteners that require thread lockers or thread sealant. UNLESS OTHERWISE SPECIFIED, do not use supplemental coatings (Paints, greases, or other corrosion inhibitors) on threaded fasteners or fastener joint interfaces. Generally, such coatings adversely affect the fastener torque and the joint clamping force, and may damage the fastener. When you install fasteners, use the correct tightening sequence and specifications. Following these instructions can help you avoid damage to parts and systems.

Consoles

Consoles and Associated Parts



745R200005

Legend

(1) Cluster Upper Cover
(2) Center Cluster
(3) Knee Pad
(4) Seat Heater Switch (Required Option)
(5) Rear Console Assembly
(6) CD Changer
(7) Rear Console Bracket
(8) Front Console Bracket
(9) Front Console Assembly
(10) Accessory Socket

Removal

1. Disconnect the battery ground cable.
2. Remove the cluster upper cover and connectors.
3. Pry the knee pads.
4. Remove the center cluster.
   - Remove the six screws and pull out the center cluster at the six clip positions.
   - Disconnect the connectors.
5. Remove the rear console assembly.
   - Open the rear console lid and remove two screws.
6. Remove the front console assembly.
   - Remove six fixing screws and disconnect the accessory socket connectors.
   - Disconnect the seat heater switch connectors (if so equipped).

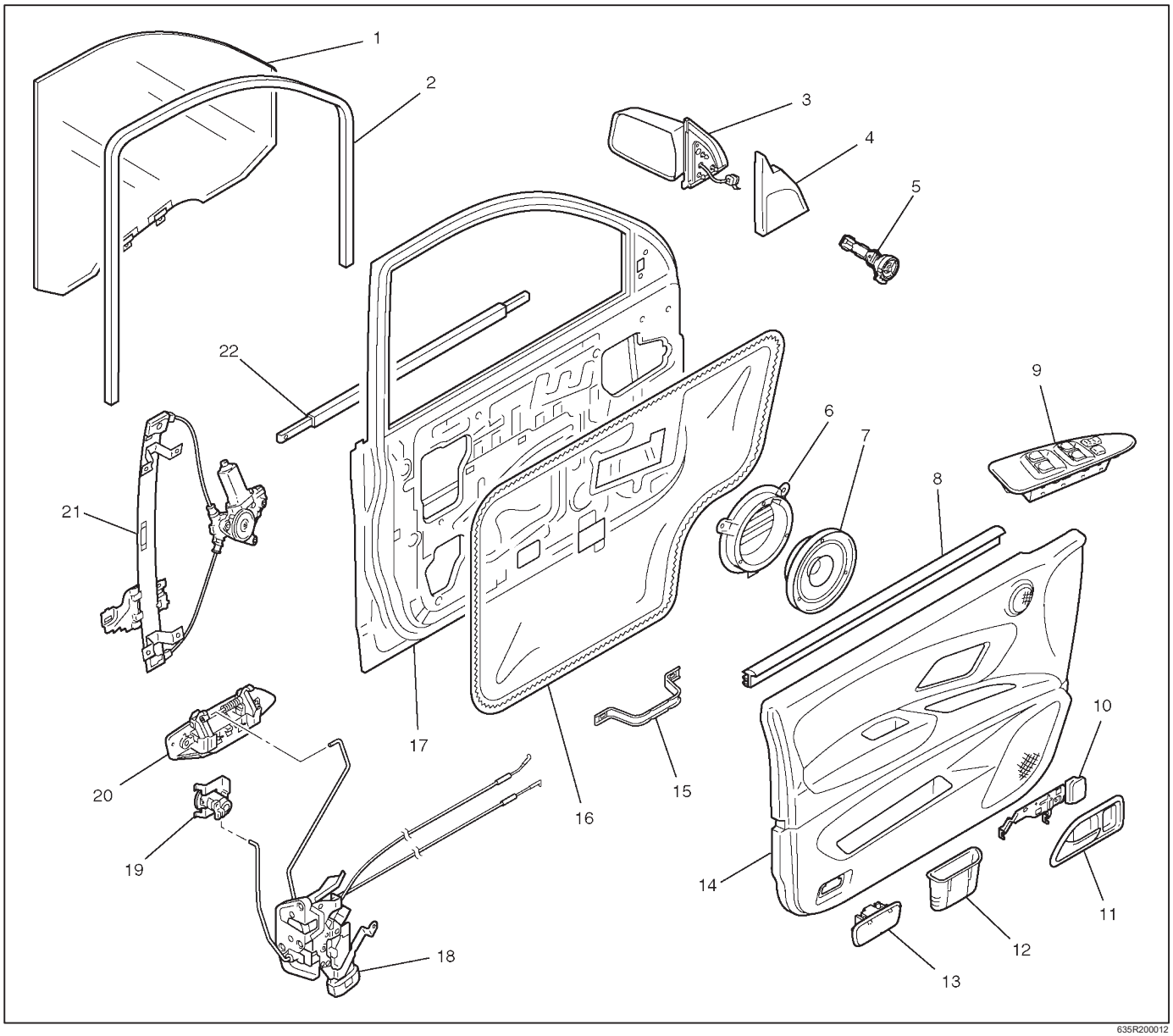
7. Remove the CD changer.
   - Remove the four fixing bolts and the connector.

Installation

To install, follow the removal steps in the reverse order.

Front Door Trim Panel

Front Door Trim Panel and Associated Parts



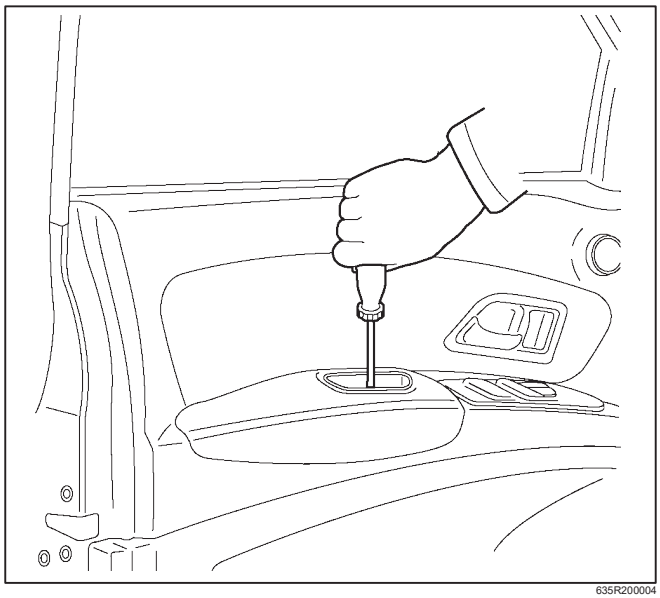
635R200012

Legend

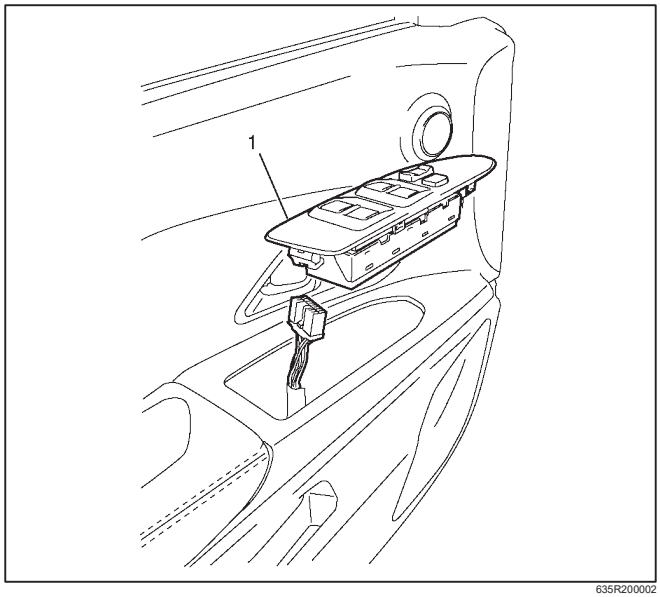
(1) Glass
(2) Glass Run
(3) Door Mirror Assembly
(4) Door Mirror Cover
(5) Tweeter
(6) Speaker Spacer
(7) Speaker Assembly
(8) Inner Waist Seal
(9) Door Trim Panel
(10) Power Window Switch
(11) Inside Lock Bracket
(12) Inside Handle
(13) Pull Box
(14) Courtesy Light
(15) Pull Box Bracket
(16) Waterproof Sheet
(17) Front Door Panel
(18) Door Lock Assembly
(19) Door Lock Cylinder
(20) Outside Handle
(21) Power Window Regulator
(22) Outer Waist Seal

Removal

1. Disconnect the battery ground cable.
2. Remove the pull box.
   - Remove the one fixing screw.

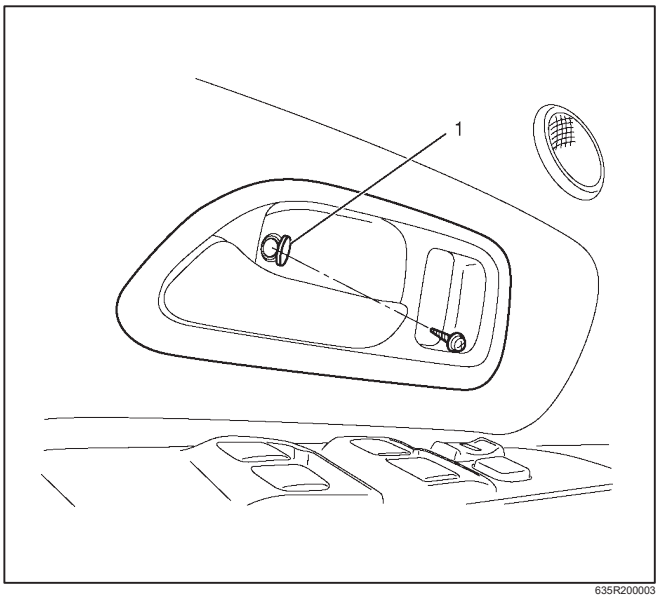

635R200004

3. Remove the power window switch (1).
   - Pry the power window switch out and disconnect the switch connector.



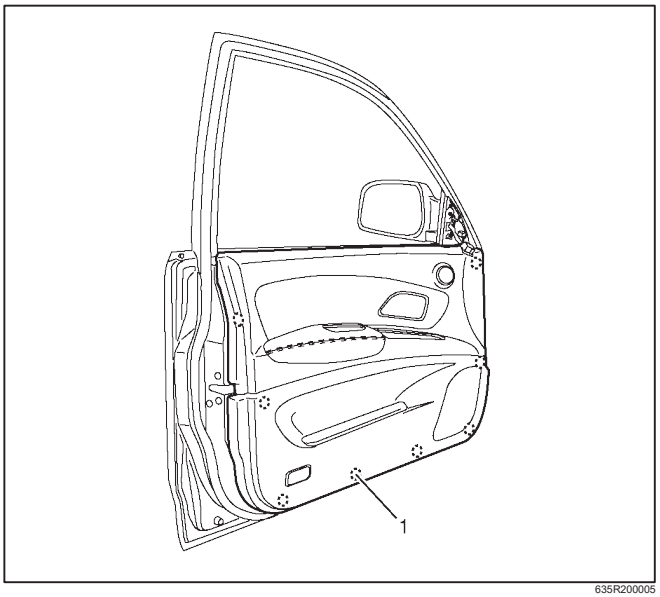
635R200002

4. Remove the inside handle.
   - Open the screw cover (1) and remove the screw.
   - Disconnect the cable.



635R200003

5. Remove the door mirror cover.
6. Remove the door trim panel.
   - Remove the trim panel with the eight clips (1) from the door panel.



635R200005

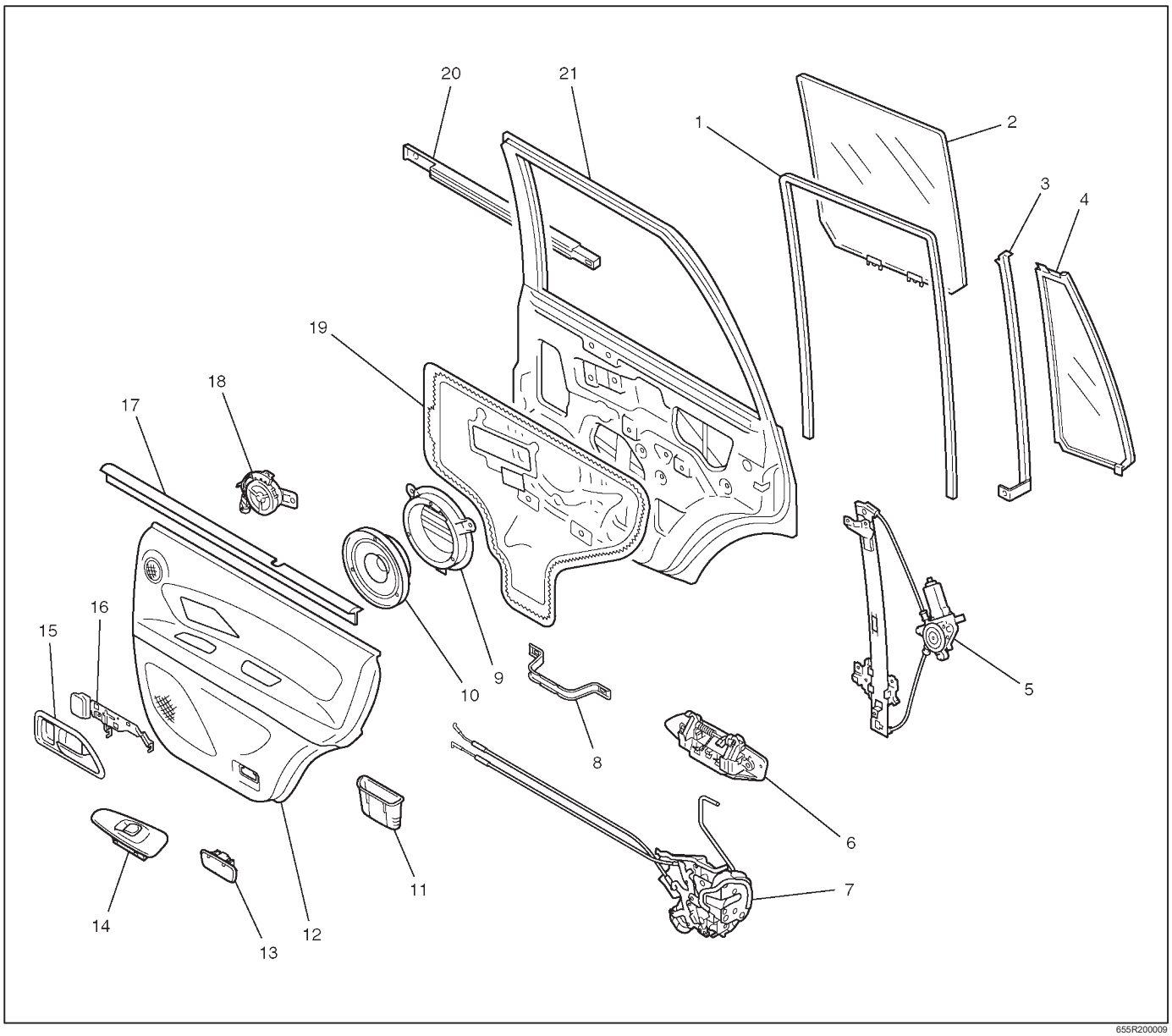
   - Disconnect the tweeter and courtesy light connectors.
7. Remove the inner waist seal.
8. Remove the courtesy light.
9. Remove the tweeter.

Installation

To install, follow the removal steps in the reverse order.

Rear Door Trim Panel

Rear Door Trim Panel and Associated Parts



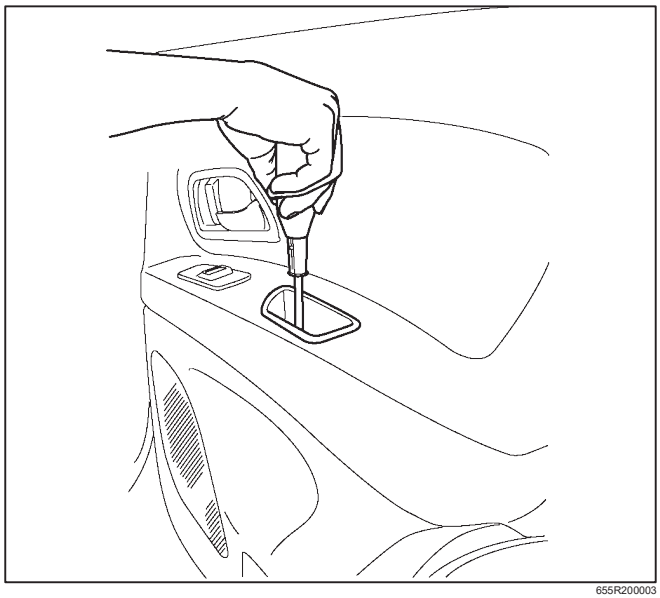
655R200009

Legend

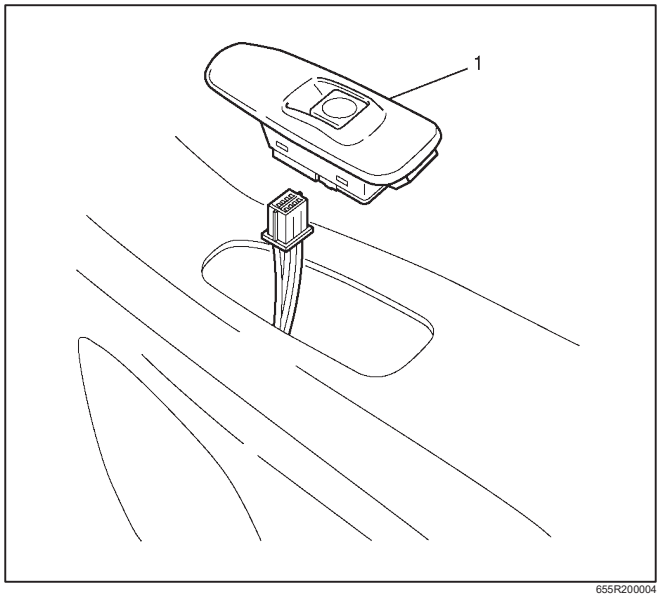
(1) Glass Run
(2) Glass
(3) Division Bar
(4) Fix Window Glass
(5) Power Window Regulator
(6) Outside Handle
(7) Door Lock Assembly
(8) Pull Box Bracket
(9) Speaker Spacer
(10) Speaker
(11) Pull Box
(12) Door Trim Panel
(13) Courtesy Light
(14) Power Window Switch
(15) Inside Handle
(16) Inside Lock Bracket
(17) Inner Waist Seal
(18) Tweeter
(19) Waterproof Sheet
(20) Outer Waist Seal
(21) Rear Door Panel

Removal

1. Disconnect the battery ground cable.
2. Remove the pull box.
   - Remove the fixing screw.

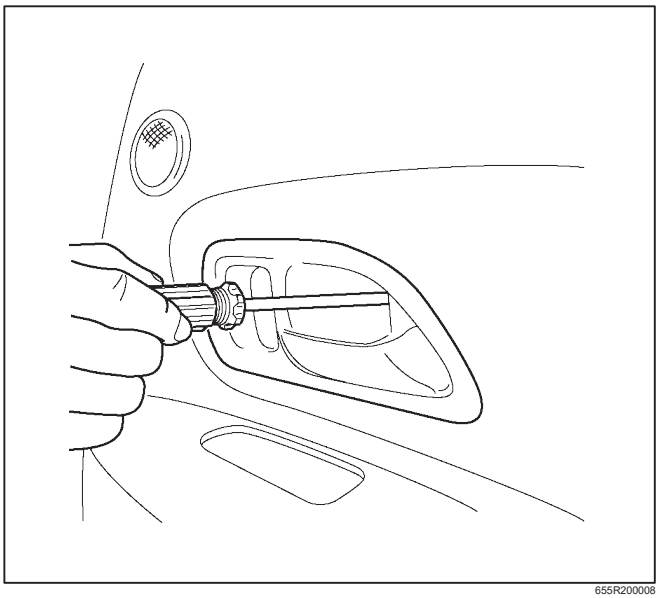

655R200003

3. Remove the power window switch.
   - Pry the power window switch (1) and remove the connector.

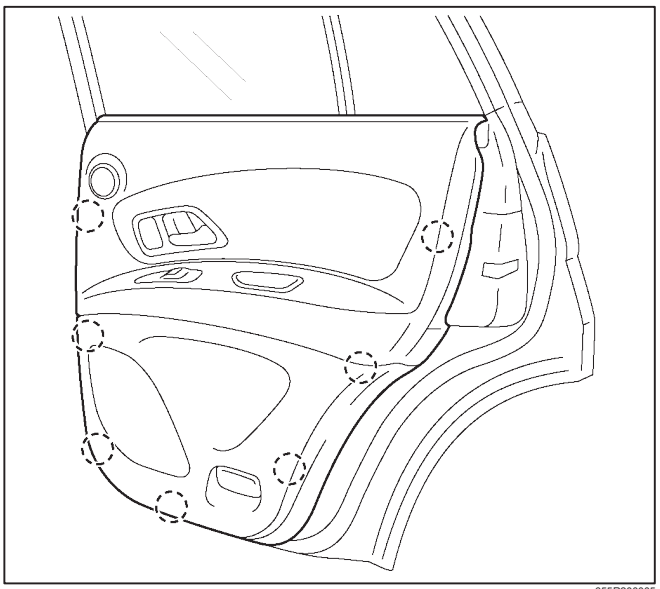


655R200004

4. Remove the inside handle.
   - Open the screw cover and remove the screw.
   - Disconnect the cable.


655R200008

5. Remove the door trim panel.
   - Remove the trim panel with the seven clips from the door panel.


655R200005

   - Disconnect the tweeter and the courtesy light connectors.
6. Remove the inner waist seal.
7. Remove the tweeter.
8. Remove the courtesy light.

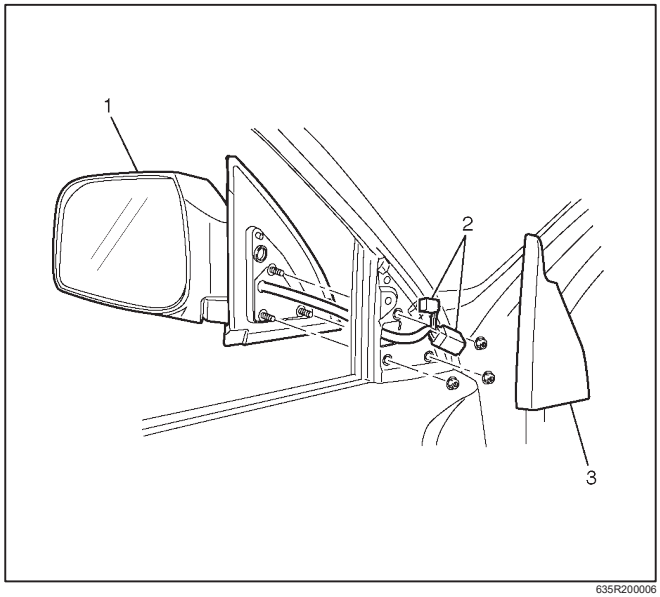
Installation

To install, follow the removal steps in the reverse order.

Door Mirror Assembly

Removal

1. Disconnect the battery ground cable.
2. Remove the door mirror cover (3).
3. Remove the door mirror assembly (1).
   - Remove the three nuts and disconnect the connector (2).



635R200006

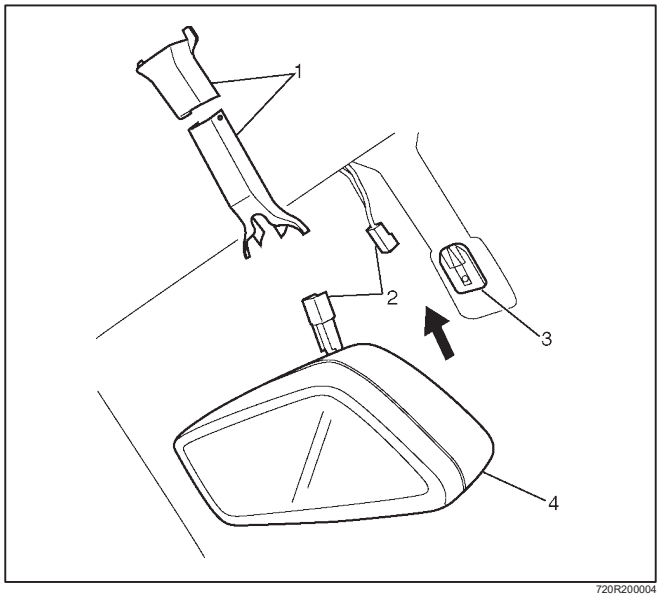
Installation

To install, follow the removal steps in the reverse order.

Interior Mirror Assembly

Removal

1. Disconnect the battery ground cable.
2. Remove the covers (1).
3. Remove the interior mirror assembly (4).
   - Pull the interior mirror up with the stay and remove the interior mirror from the base (3).
   - Disconnect the connector (2).



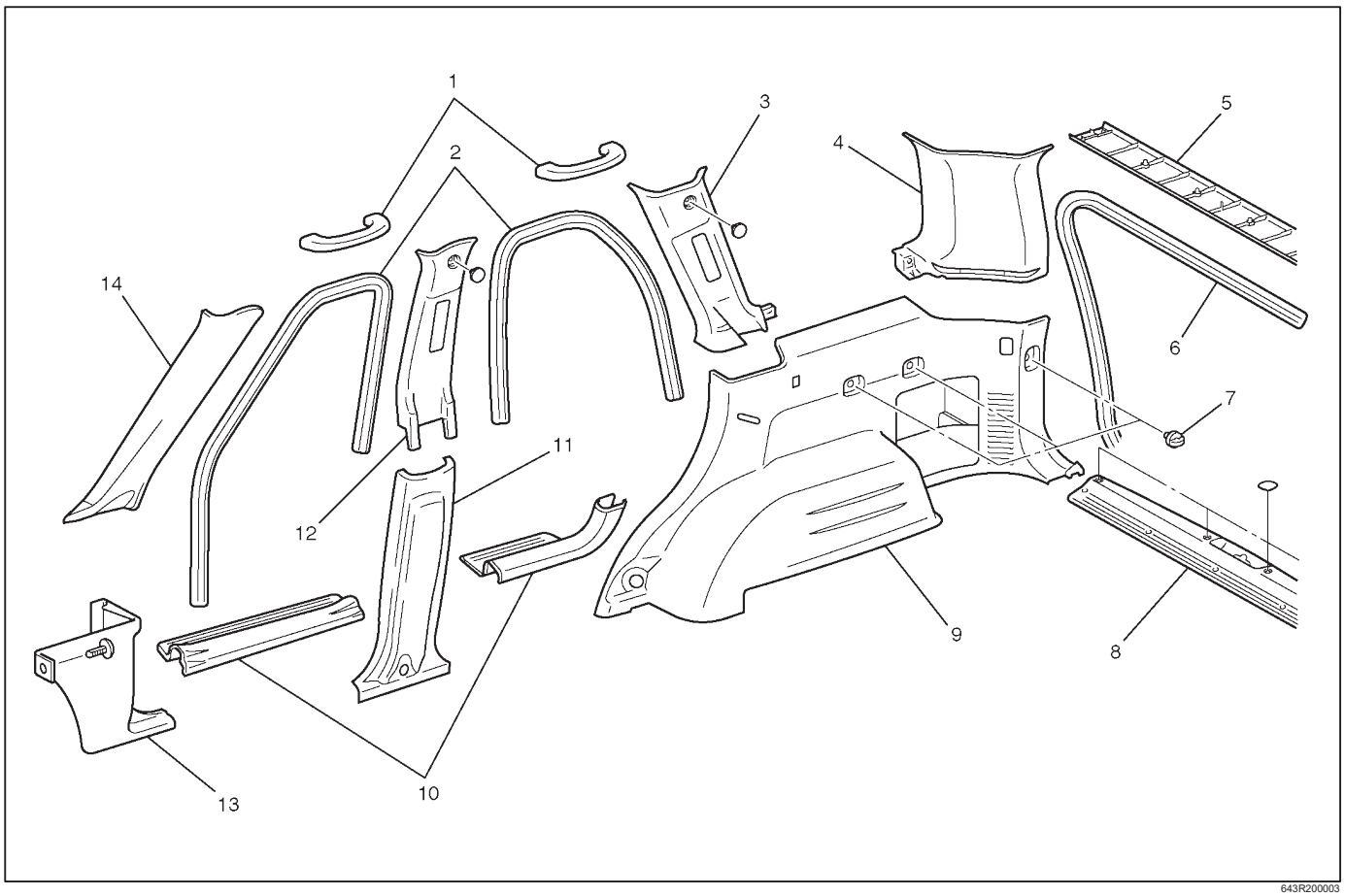
720R200004

Installation

To install, follow the removal steps in the reverse order.

Interior Trim Panels

Interior Trim Panels and Associated Parts



643R200003

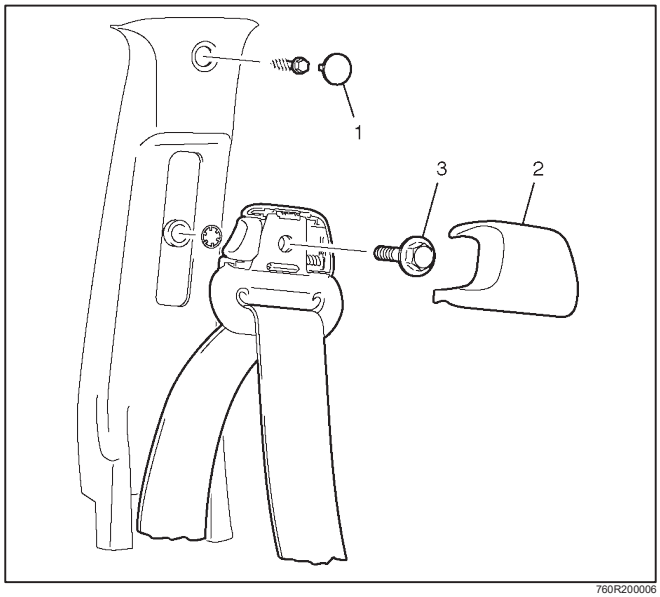
Legend

(1) Assist Grip (Front & Rear)
(2) Door Finisher (Front & Rear)
(3) Upper Quarter Pillar Trim Cover
(4) Upper Rear Pillar Trim Cover
(5) Rear Roof Trim Cover
(6) Tailgate Weather Strip
(7) Multi Hook
(8) Rear End Floor Trim Cover
(9) Lower Quarter Trim Cover
(10) Sill Plate (Front & Rear)
(11) Lower Center Pillar Trim Cover
(12) Upper Center Pillar Trim Cover
(13) Dash Side Trim Cover
(14) Front Pillar Trim Cover

Removal

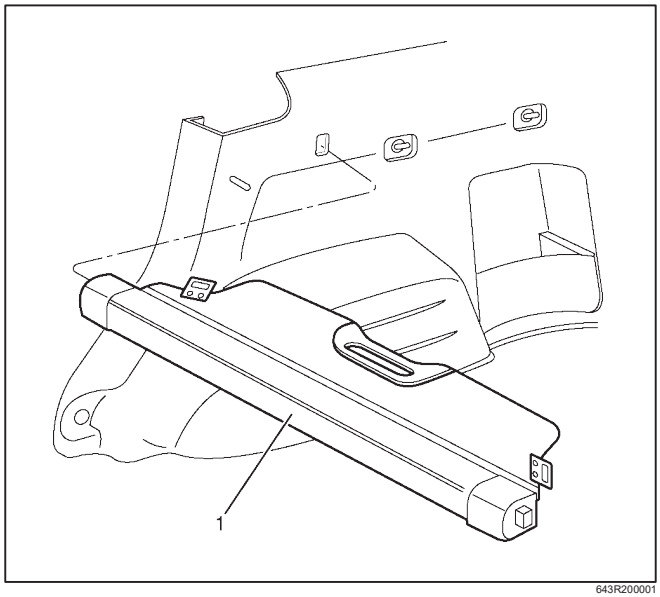
1. Disconnect the battery ground cable.
2. Remove the sill plates (Front & Rear).
3. Remove the dash side trim cover.
4. Remove the lower center pillar trim cover.
   - Remove the lower anchor bolt cover and lower anchor bolt from the front seat belt.
   - Pry the trim cover with the clips from the body panel.
5. Remove the door finishers (Front & Rear).

6. Remove the upper center pillar trim cover.
   - Remove the cover (1) and screw.
   - Remove the shoulder anchor cap (2) and upper anchor bolt (3) from the front seat belt.
   - Pry the trim cover with the clip from the body panel.



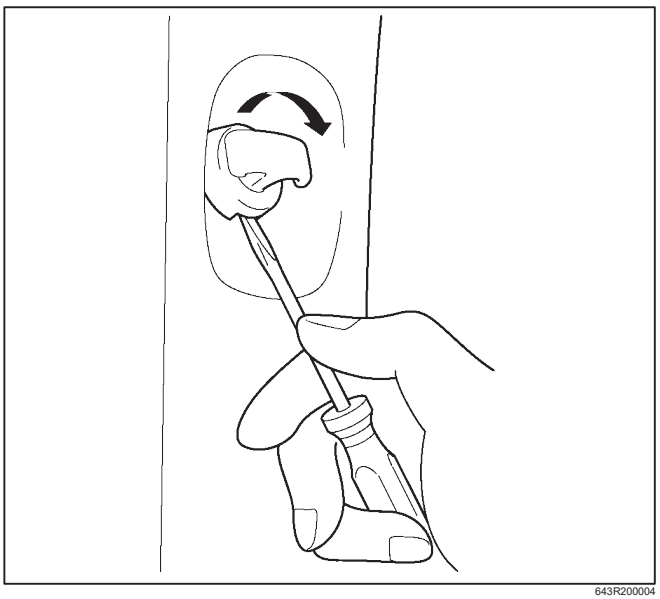
760R200006

7. Remove the front pillar trim cover.
   - Ply the trim cover with the clips from the body panel.
8. Remove the tailgate weather strip.
9. Remove the rear end floor trim cover.
   - Remove the four screw cover and nine fixing screws.
10. Remove the rear roof trim cover.
    - Pry the trim cover with the clips from the body panel.
11. Remove the tonneau cover assembly (1).

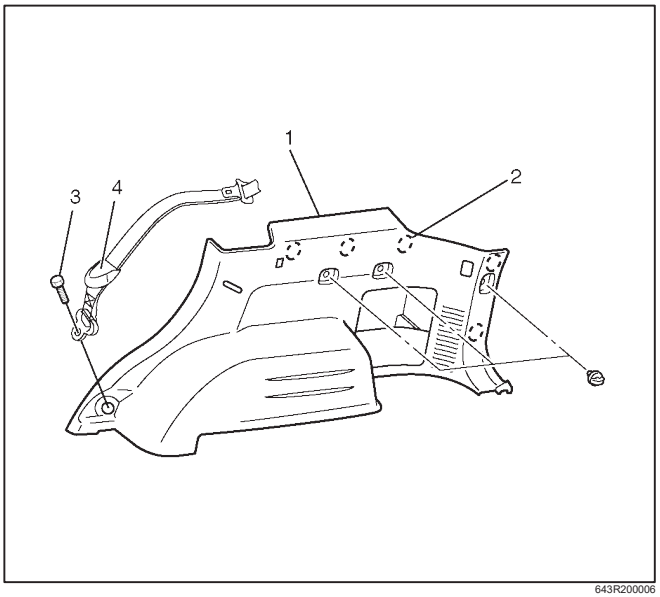


643R200001

12. Remove the multi hooks.
    - While raising the notch of the hook with the screwdriver, pull out the hook by turning 180°.


643R200004

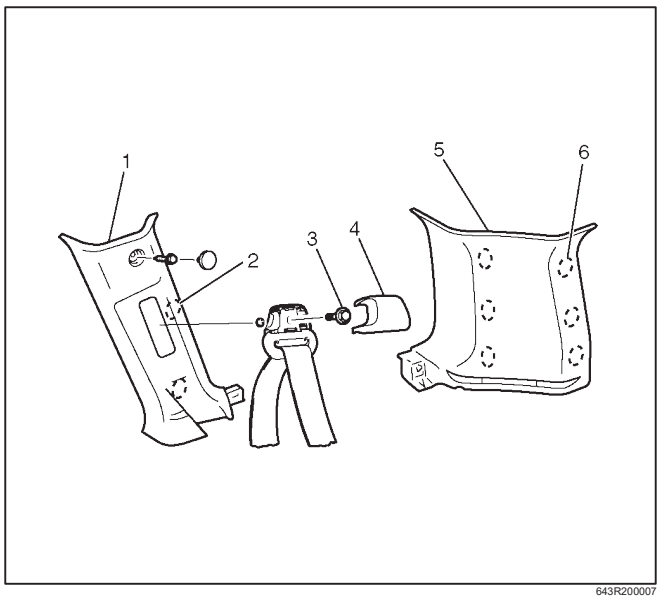
13. Remove the lower quarter trim cover (1).
    - Remove the lower anchor bolt cover (4) and the lower anchor bolt (3) from the rear seat belt.
    - Pull the trim cover at the five clip positions (2).
    - Disconnect the accessory socket connectors (LH side).



643R200006

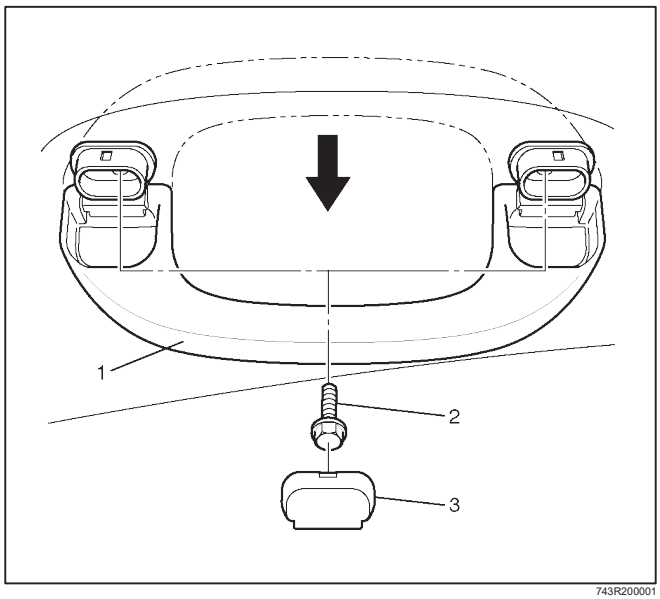
14. Remove the upper quarter pillar trim cover (1).
    - Remove the cover and screw, pull the trim cover at the two clip positions (2).
    - Remove the shoulder anchor cap (4) and upper anchor bolt (3) from the rear seat belt.

15. Remove the upper rear pillar trim cover (5).
    - Pull the trim cover at the six clip positions (6) from the body panel.



643R200007

16. Remove the assist grip (1) (Front & Rear).
    - Pull the assist grip downword.
    - Remove the caps and fixing bolts.



743R200001

Installation

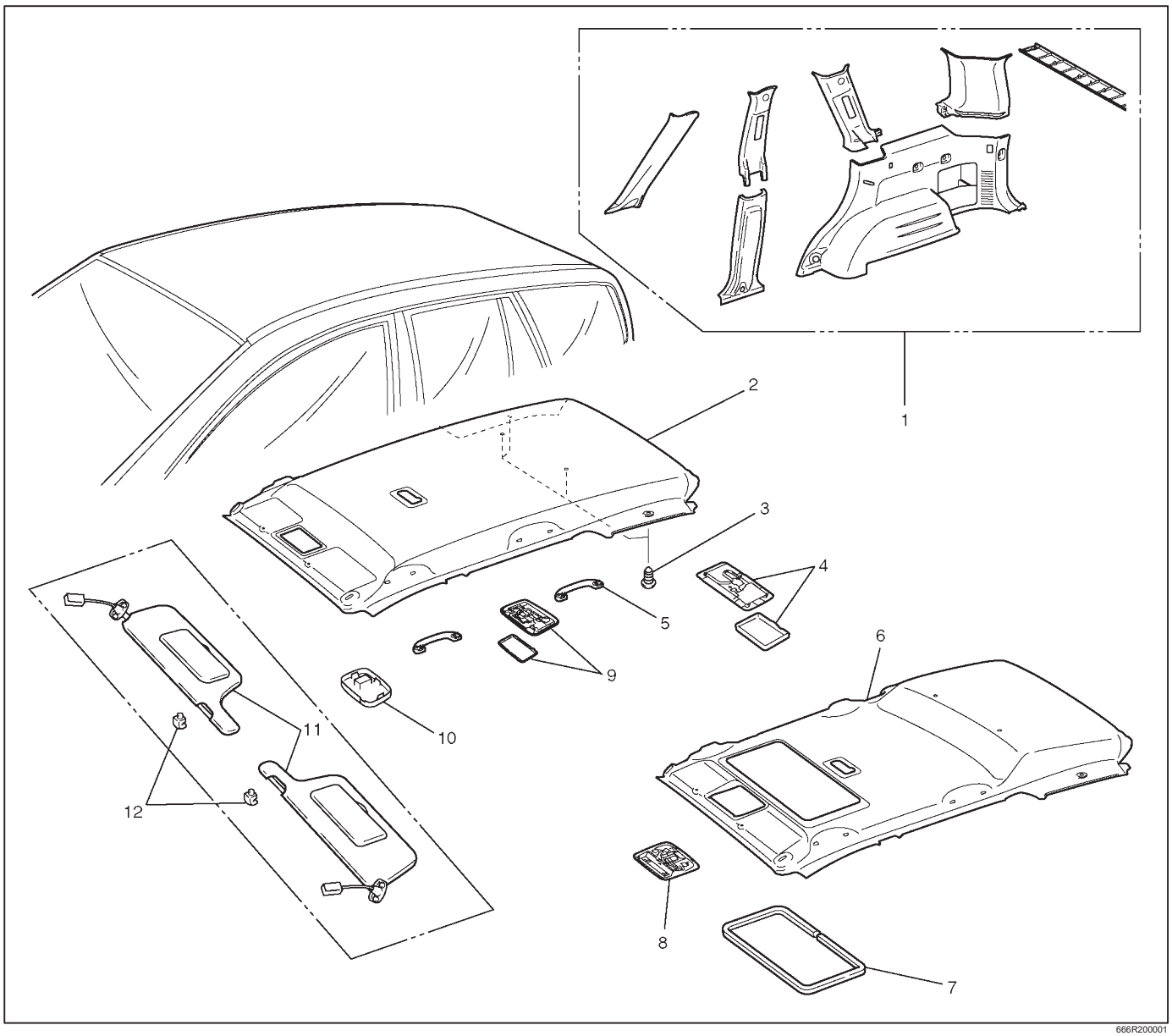
To install, follow the removal steps in the reverse order, noting the following point:

1. Tighten the seat belt anchor bolt to the specified torque.

   Torque: 39 N·m (29 lb ft)

Headlining

Parts Location



666R200001

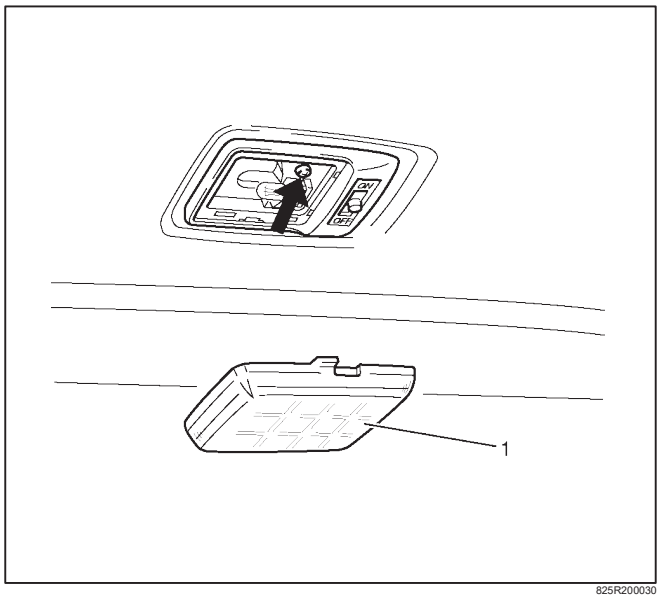
Legend

(1) Interior Trim Panels
(2) Headlining (Without Sunroof)
(3) Clip
(4) Luggage Room Light
(5) Assist Grip
(6) Headlinng (With Sun Roof)
(7) Sunroof Finisher (With Sunroof)
(8) Overhead Console/Sunroof Switch (With Sunroof)
(9) Dome Light
(10) Overhead Console (Without Sunroof)
(11) Sunvisors
(12) Sunvisor Holder

Removal

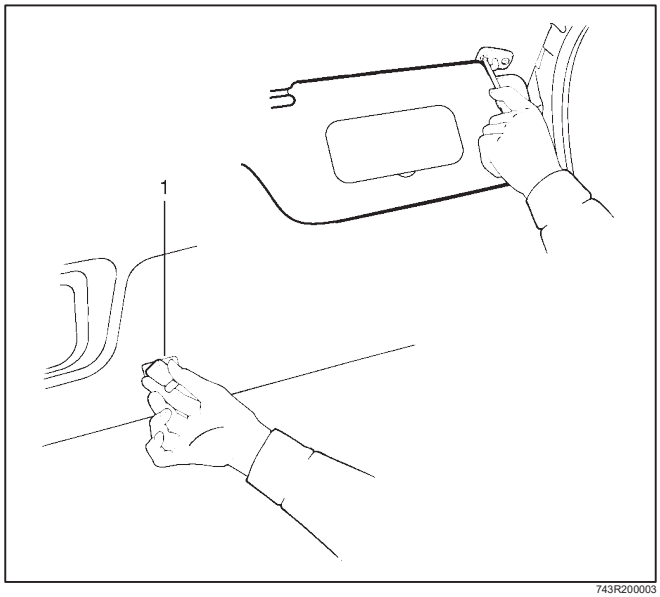
1. Disconnect the battery ground cable.
2. Remove the interior trim panels.
   - Refer to *Interior Trim Panels in this section.*
3. Remove the dome light.
   - Remove the dome light lens and the fixing screws.
   - Disconnect the dome light connectors.

4. Remove the luggage room light.
   - Remove the luggage room light lens (1) and the fixing screw.
   - Disconnect the luggage room light connector.



825R200030

5. Remove the overhead console/sunroof switch (With sunroof).
   - Refer to *Overhead Console in this section.*
6. Remove the overhead console (without sunroof).
7. Remove the sunvisors.
   - Remove the fixing screws and pull out the sunvisor holder (1) to remove it.
   - Disconnect the vanity mirror illumination connector.



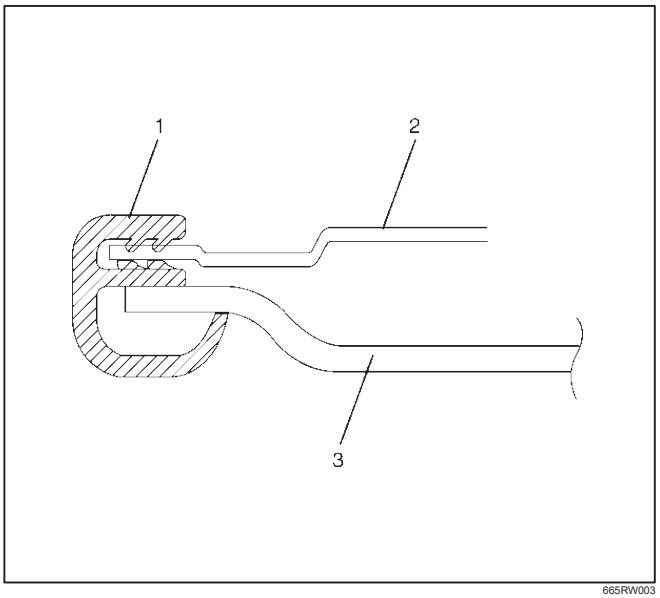
743R200003

8. Remove the sunroof finisher (With sunroof).
9. Remove the headlining.
   - Remove the four headlining fixing clips.

Installation

To install, follow the removal steps in the reverse order, noting the following points.

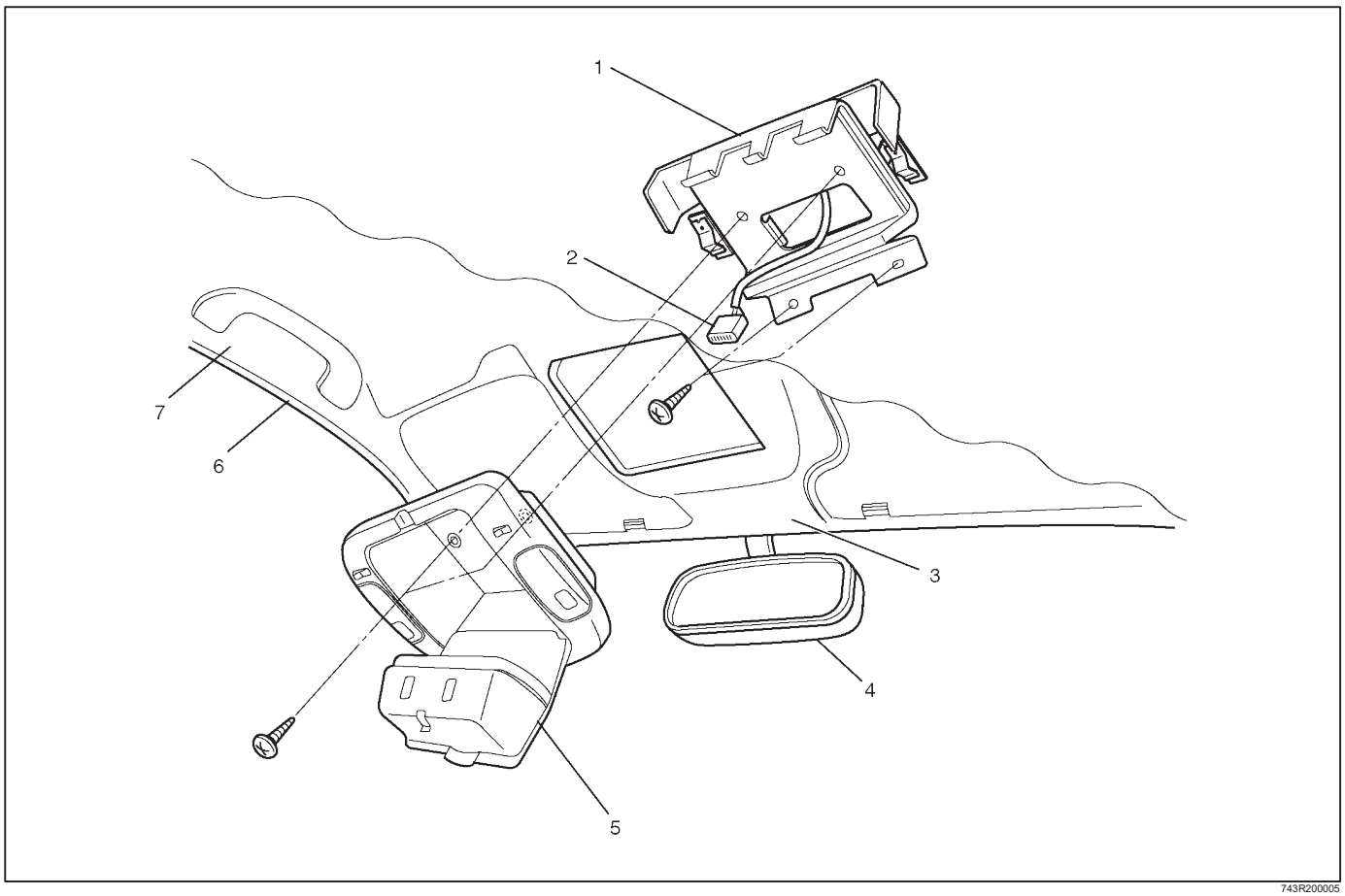
1. Install the headlining so that the fixing clips will not come off.
2. To install the sunroof finisher (1), first fit it in at one place with the headlining (3) close to the sunroof frame (2), then install the entire finisher tightly by hitting it with a plastic hammer, not allowing it to move up.



665RW003

Overhead Console

Parts Location (W/O Sunroof)



Legend

(1) Overhead Console Bracket
(2) Harness Connector
(3) Head Lining
(4) Room Mirror
(5) Overhead Console Assembly
(6) Front Door Finisher
(7) Front Assist Grip

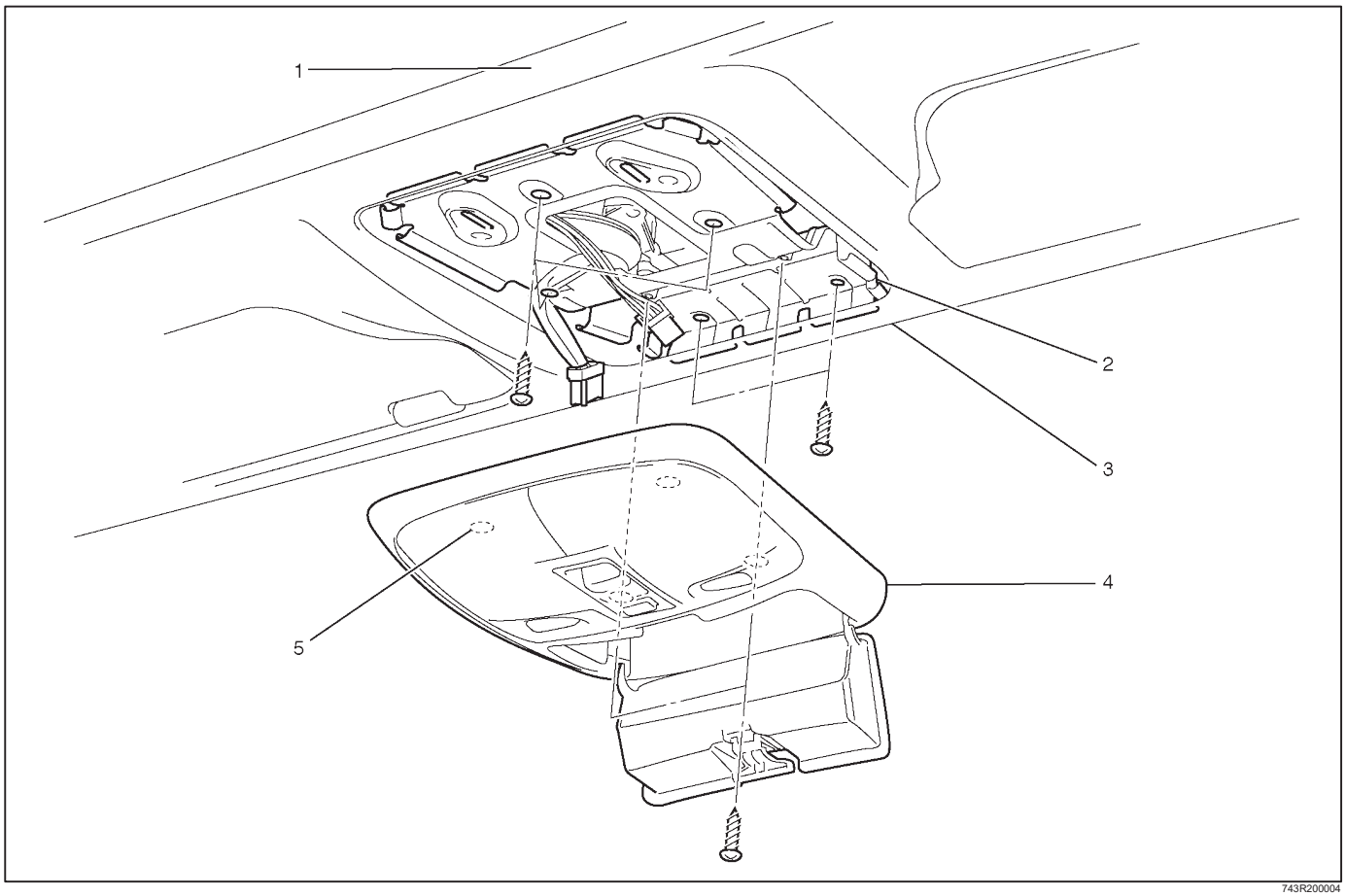
Removal

1. Disconnect the battery ground cable.
2. Remove the overhead console assembly.
   - Open the lid and remove the two screws.
   - Disconnect the harness connector.
3. Remove the sunvisor and sunvisor holder. (right and left)
4. Remove the front assist grip. (right and left)
5. Remove the front piller trim cover.
6. Remove the front door finisher.
   - Remove the upper side of door finisher.
7. Remove the interior mirror.
   - Refer to *Interior Mirror in this section.*
8. Remove the overhead console bracket.
   - Remove the two screws.

Installation

To install, follow the removal steps in the reverse order.

Parts Location (W/ Sunroof)



Legend

(1) Sunroof Weatherstrip
(2) Overhead Console Bracket
(3) Head Lining
(4) Overhead Console
(5) Clip Position

Removal

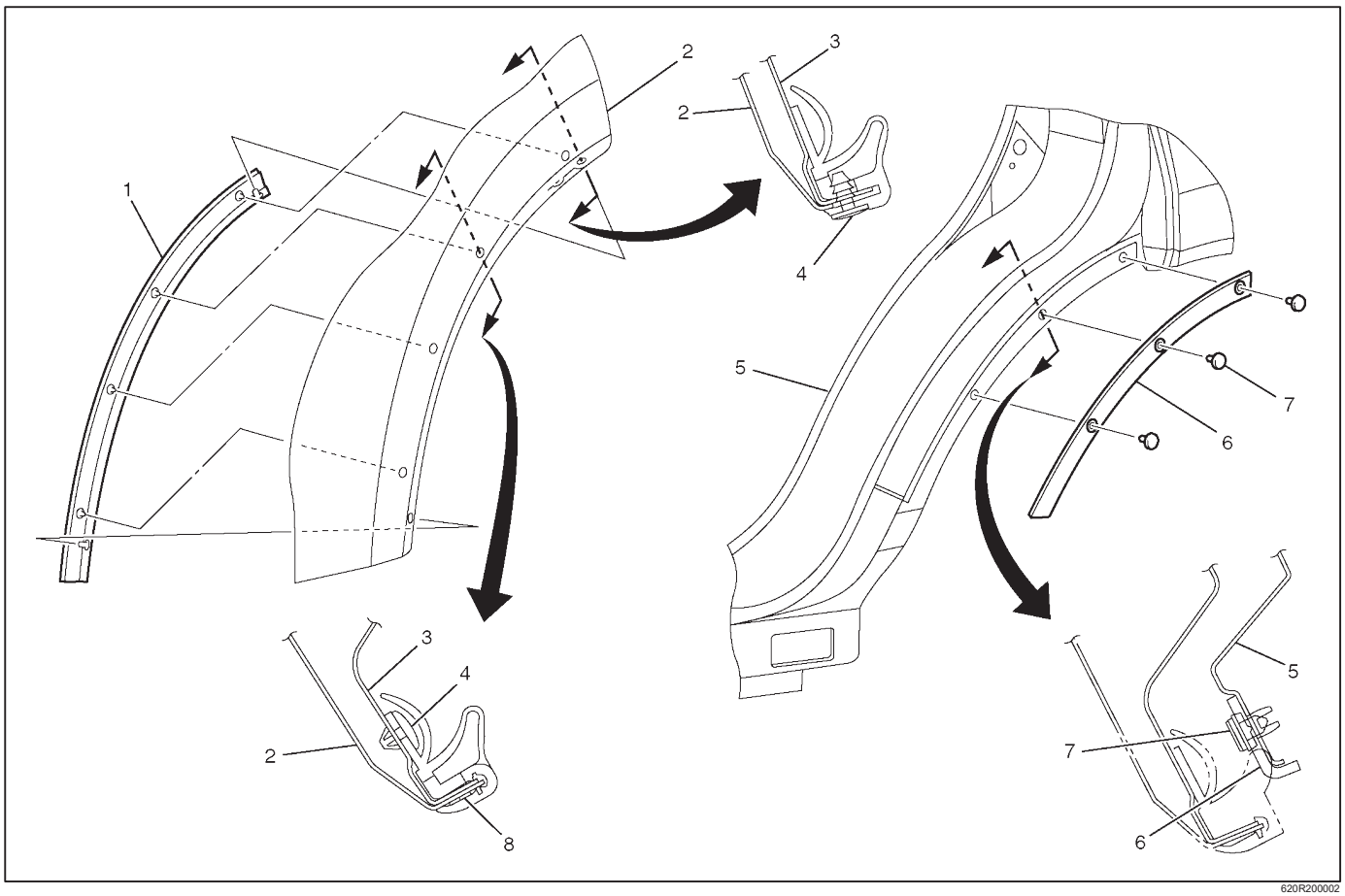
1. Disconnect the battery ground cable.
2. Remove the overhead console.
   - Open the lid and remove the two screws.
   - Pull the over head console at the two clip positions.
   - Disconnect the harness connectors.
3. Remove the head lining.
   - Refer to *Head Lining in this section.*
4. Remove the overhead console bracket.
   - Remove the five fixing screws.

Installation

To install, follow the removal steps in the reverse order.

Wheel Arch Cover

Wheel Arch Cover and Associated Parts



Legend

(1) Wheel Arch Seal Assembly
(2) Rear Door Outer Panel
(3) Rear Door Inner Panel
(4) Clip
(5) Body Side Outer Panel
(6) Wheel Arch Cover
(7) Screw Cover
(8) Adhesive Tape

Removal

1. Remove the rear door wheel arch seal.
   - After disengage four six, peel off the double sided adhesive tape.
2. Remove the wheel arch cover.
   - Remove the three fixing screws.

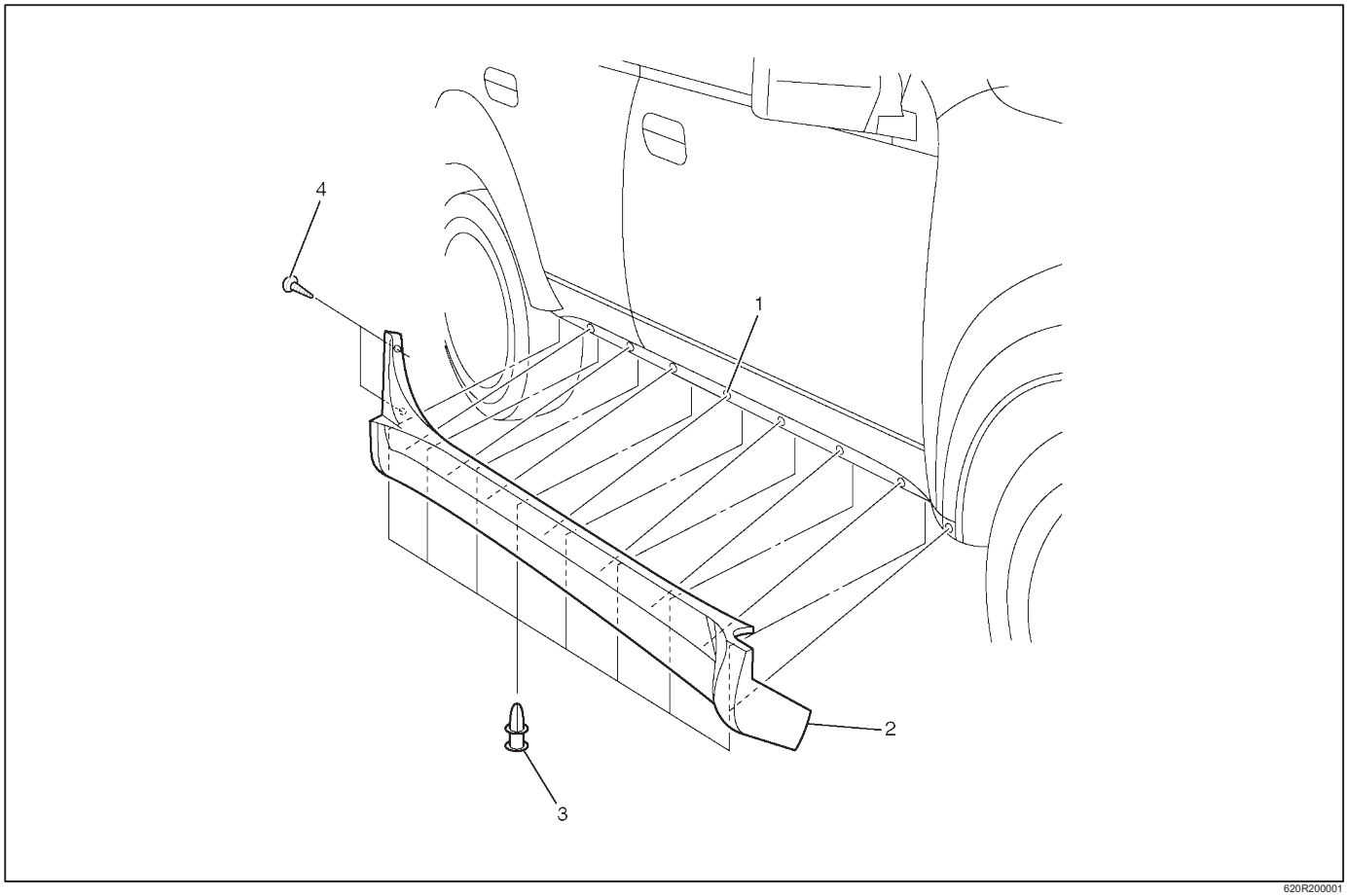
Installation

To install, follow the removal steps in the reverse order, noting following point.

1. Use a new double sided adhesive tape whenever installing the rear door wheel arch seal.
   Use rubbing alcohol to clean the area where the double sided adhesive is to be attached.

Locker Cover

Locker Cover and Associated Parts



620R200001

Legend

(1) Clip Position
(2) Lock Cover Assembly
(3) Clip
(4) Screw

Removal

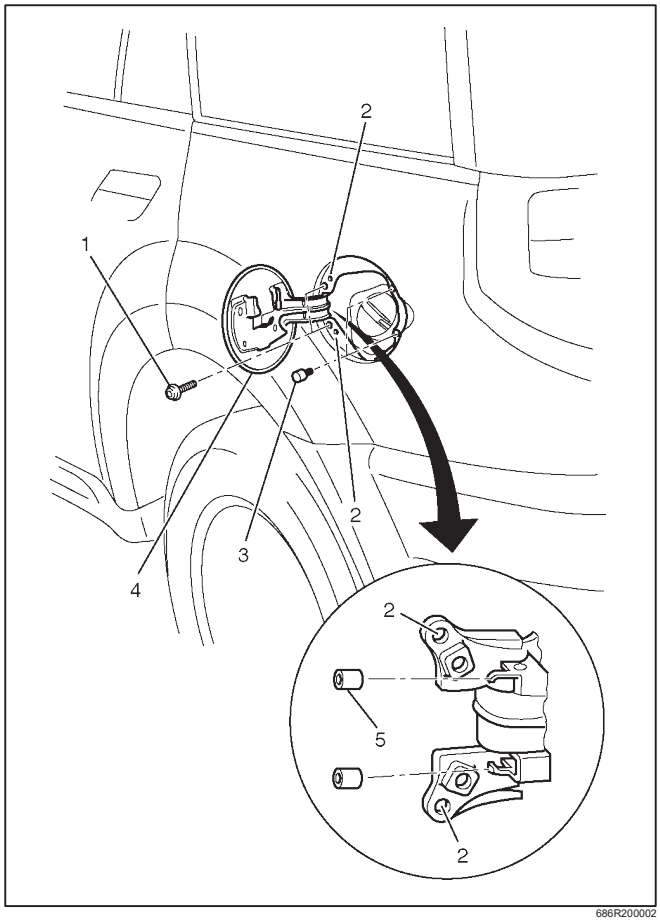
1. Remove the 8 clips.
2. Remove the two screws.
3. Remove the 8 clip positions.
4. Remove the locker cover assembly.

Installation

To install, follow the removal steps in the reverse order.

Fuel Filler Door

Parts Location



686R200002

Legend

(1) Fuel Filler Door Fixing Screw
(2) Basic Hole
(3) Fuel Filler Door Buffer
(4) Fuel Filler Door
(5) Fuel Filler Door Hinge Buffer

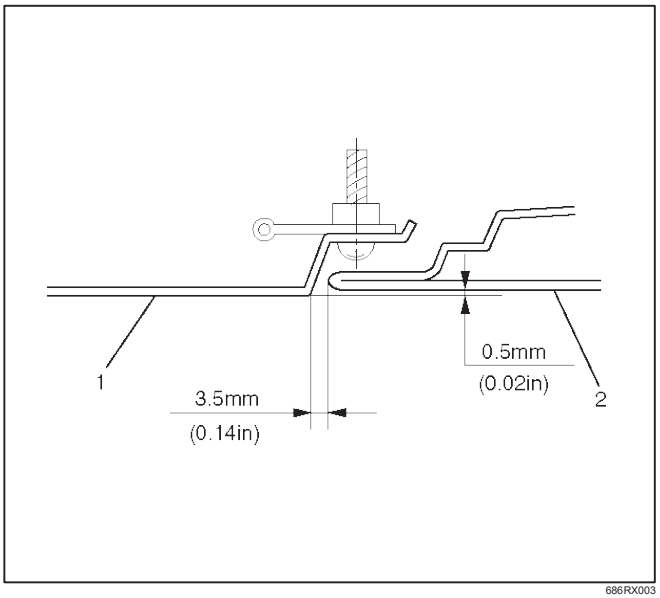
Removal

1. Open the fuel filler door.
2. Remove the fuel filler door.
   - Remove the two fixing screws.
3. Pull out the fuel filler door buffer.
4. Pull out the fuel filler hinge buffer.

Installation

To install, follow the removal steps in the reverse order, noting the following points.

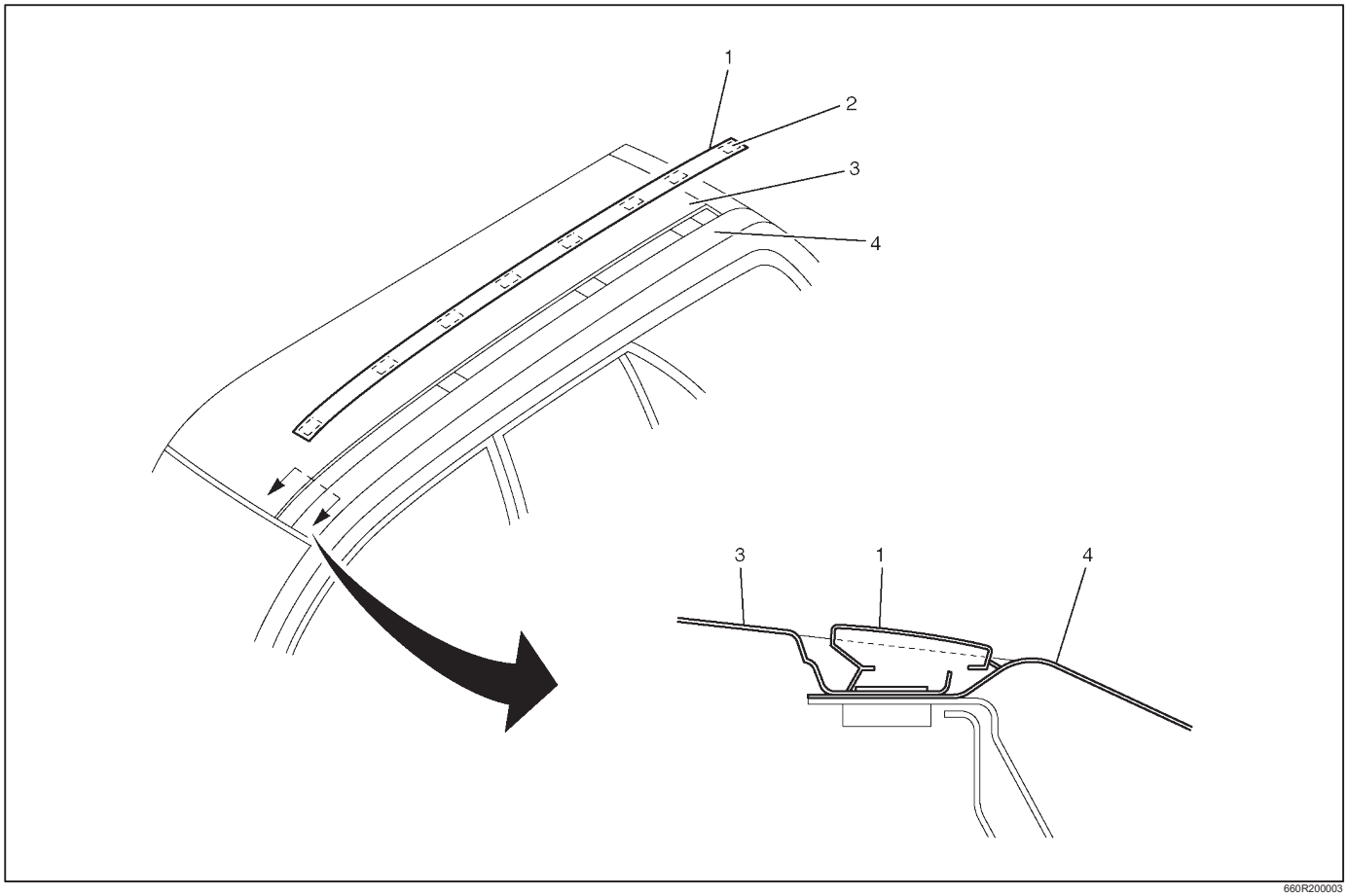
1. Install the fuel filler door to match the basic hole.
2. Adjust the clearance between outer quarter panel (1) and fuel filler door (2).



686RX003

Roof Moulding

Parts Location



Legend

(1) Roof Moulding Assembly
(2) Clips
(3) Roof Panel
(4) Body Side Outer Panel

Removal

1. Remove the roof moulding.
   - Pry the roof moulding covers with the nine clip positions from the roof panel.

Installation

To install, follow the removal steps in the reverse order.

Power Door Mirror System

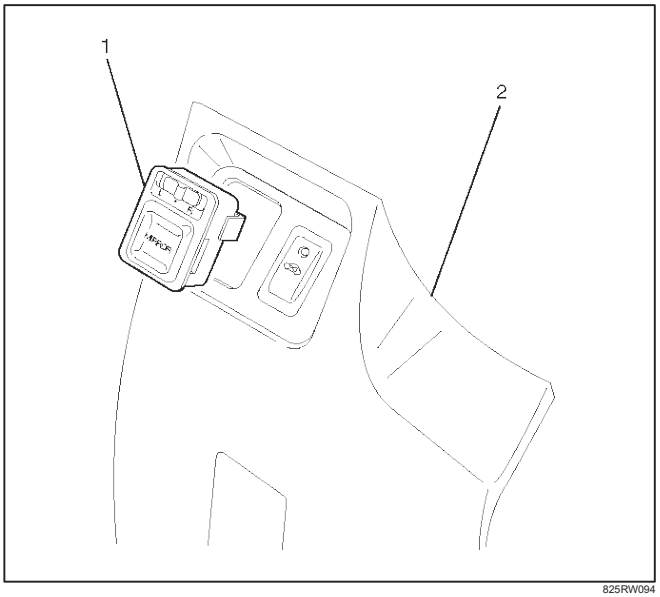
General Description

The system consists of the starter switch, door mirror switch, rear defogger/mirror defogger switch and door mirrors on both sides.
When the door mirror switch is operated with the starter switch at either “ACC” or “ON” position, the motor in the door mirror (on either side) rotates to allow the horizontal and vertical adjustment of mirror angles.
When the rear defogger/mirror defogger switch is turned “ON” with the starter switch “ON”, the heater of the left and right mirrors and the tailgate glass are activated.

Door Mirror Switch

Removal

1. Disconnect the battery ground cable.
2. Remove the instrument panel lower cover (2).
   Refer to the *Instrument Panel Assembly in Body Structure section.*
3. Remove the door mirror switch (1).



825RW094

Rear Defogger/Mirror Defogger Switch

Refer to the *Rear Defogger/Mirror switch removal and installation steps in Lighting System section.*

Door Mirrors

Refer to *Door Mirror Assembly in this section.*

Power Window System

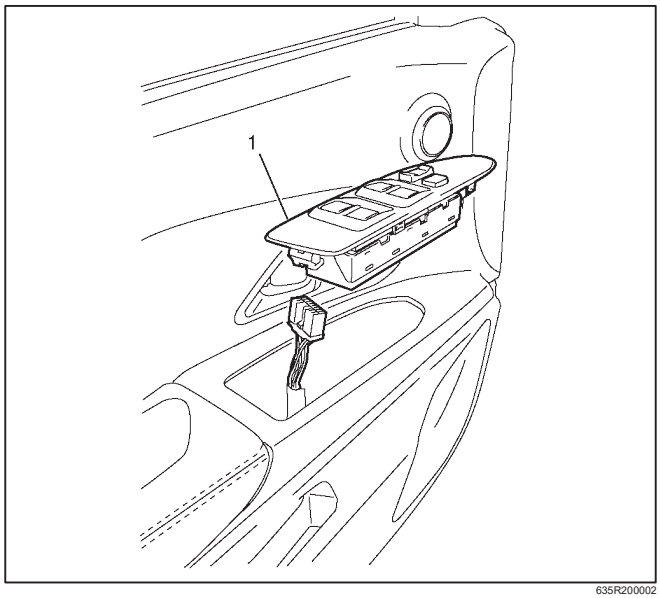
General Description

The power window system consists of power window switches and power window motors on driver and passenger sides and power window relay. With the starter switch in “ON” position, the battery voltage is supplied through power window relay to the power window switches on driver and passenger sides. Selection of up or down switch changes the motor rotating direction to open or close the window.
When the power window “LOCK” switch on the driver side is pressed, the power source for the other switches are disconnected causing the power window operation to seize.

Power Window Switch Driver Seat Side

Removal

1. Disconnect the battery ground cable.
2. Remove the switch (1).
   - Pull out the switch by pushing the spring with the tip of a screwdriver.
   - Disconnect the connector.



635R200002

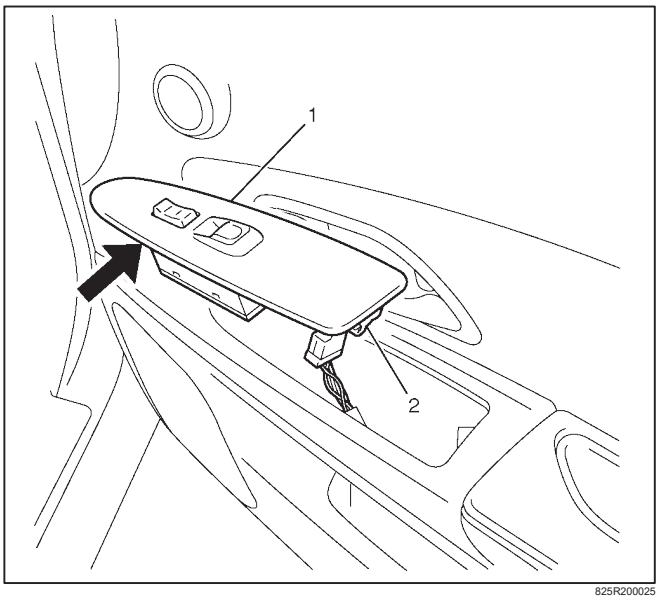
Installation

To install, follow the removal steps in the reverse order.

Front Passenger Seat Side

Removal

1. Disconnect the battery ground cable.
2. Remove the switch (1).
   - Pull out the switch by pushing the spring (2) with the tip of a screwdriver.
   - Disconnect the connector.



825R200025

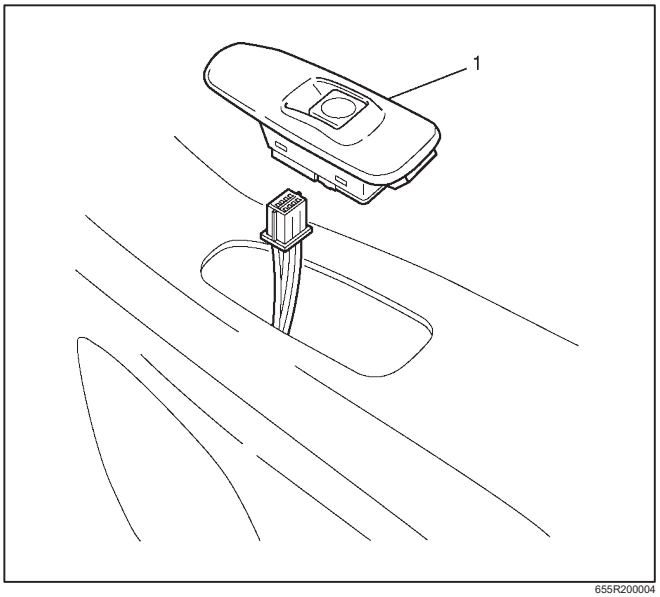
Installation

To install, follow the removal steps in the reverse order.

Rear-Left and Right Sides

Removal

1. Disconnect the battery ground cable.
2. Remove the rear power window switch (1).
   - Pull out the switch by pushing the spring with the tip of a screwdriver.
   - Disconnect the connector.



655R200004

Installation

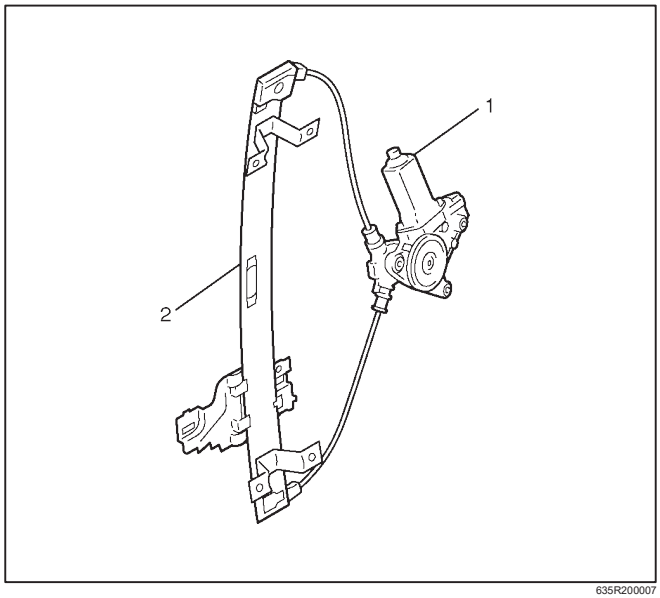
To install, follow the removal steps in the reverse order.

Power Window Motor

Driver Seat Side

Removal

1. Disconnect the battery ground cable.
2. Remove the window regulator assembly (2).
   - Refer to the *Window Regulator and Glass removal steps in Body Structure section.*
3. Remove the power window motor (1).
   - Remove three screws.



635R200007

Installation

To install, follow the removal steps in the reverse order.

Front Passenger Seat Side

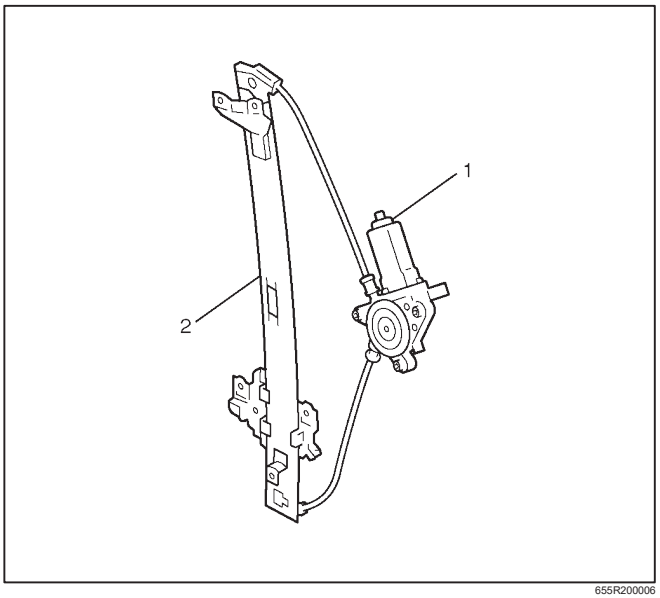
Removal and Installation

Refer to the *Front Window Motor — Driver Seat side removal and installation steps in this section.*

Rear-Right Side

Removal

1. Disconnect the battery ground cable.
2. Remove the rear window regulator assembly (2).
   - Refer to the *Rear Window Regulator and Glass removal steps in Body Structure section.*
3. Remove the power window motor (1).
   - Remove three screws.



655R200006

Installation

To install, follow the removal steps in the reverse order.

Rear-Left Side

Removal and Installation

Refer to the *Rear Power Window Motor — Right Side removal and installation steps in this section.*

Main Data and Specifications

Torque Specifications

Application	N·m	lb ft	lb in
Front & Rear Seat Belt Anchor Bolts	39	29	—