TOYOTA GSIC - Global Service Information Center

Read Me

Select Car Type

Model Name:
ALPHARD / ANH20
GGH20

Production Date:
from Apr, 2008

Enter Keyword:

Search

Service Information Directory

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  - Diagnostics
  - Installation / Removal
  - Inspection
  - Electrical Wiring Diagram
  - Body Repair
  - Service Specifications
  - Service Data Sheet
- **Maintenance**
  - General
- **Technical Description**
  - New Car Features

What's New

- No contents available

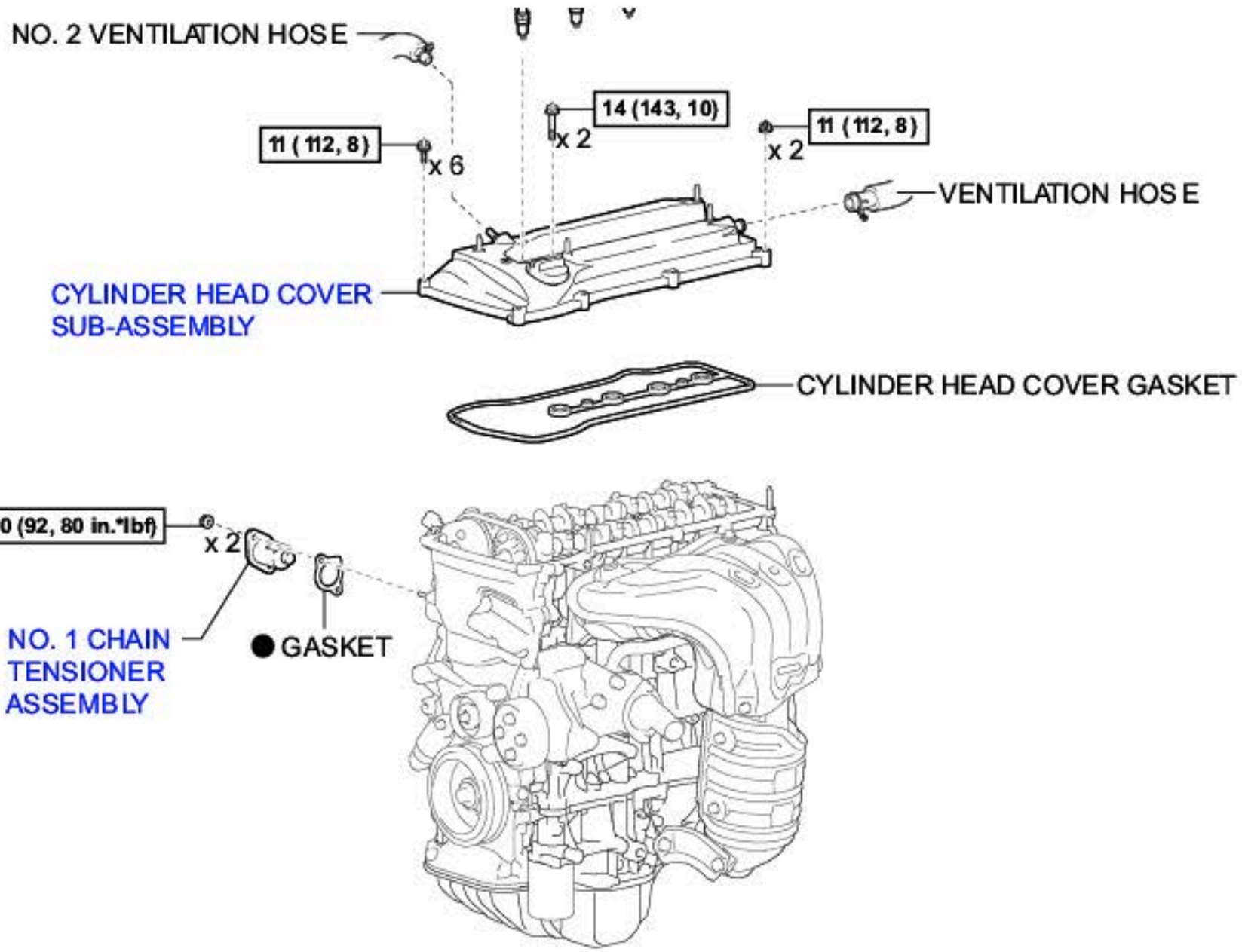
Your select: ALPHARD / ANH20 GGH20

Installation/Removal

Engine / Hybrid System
Drivetrain
Suspension
Brake
Steering
Audio/Visual/Telematics
Power Source / Network
Vehicle Interior
Vehicle Exterior

1 2 3 4

RESET



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GSIC - Global Service Infor...

TOYOTA

Top | Back | New

- Accelerator Pedal Ser Assembly
- Combination Meter As
- Crank Position Sensor
- DLC3
- E.F.I. Engine Coolant Temperature Sensor

Part Code	D6
Part No.	90980-
Color	Black
Spec	

Repair Wire Harness

Inspection Procedure

Location

GSIC - Global Service Information Center -- Webpage Dialog

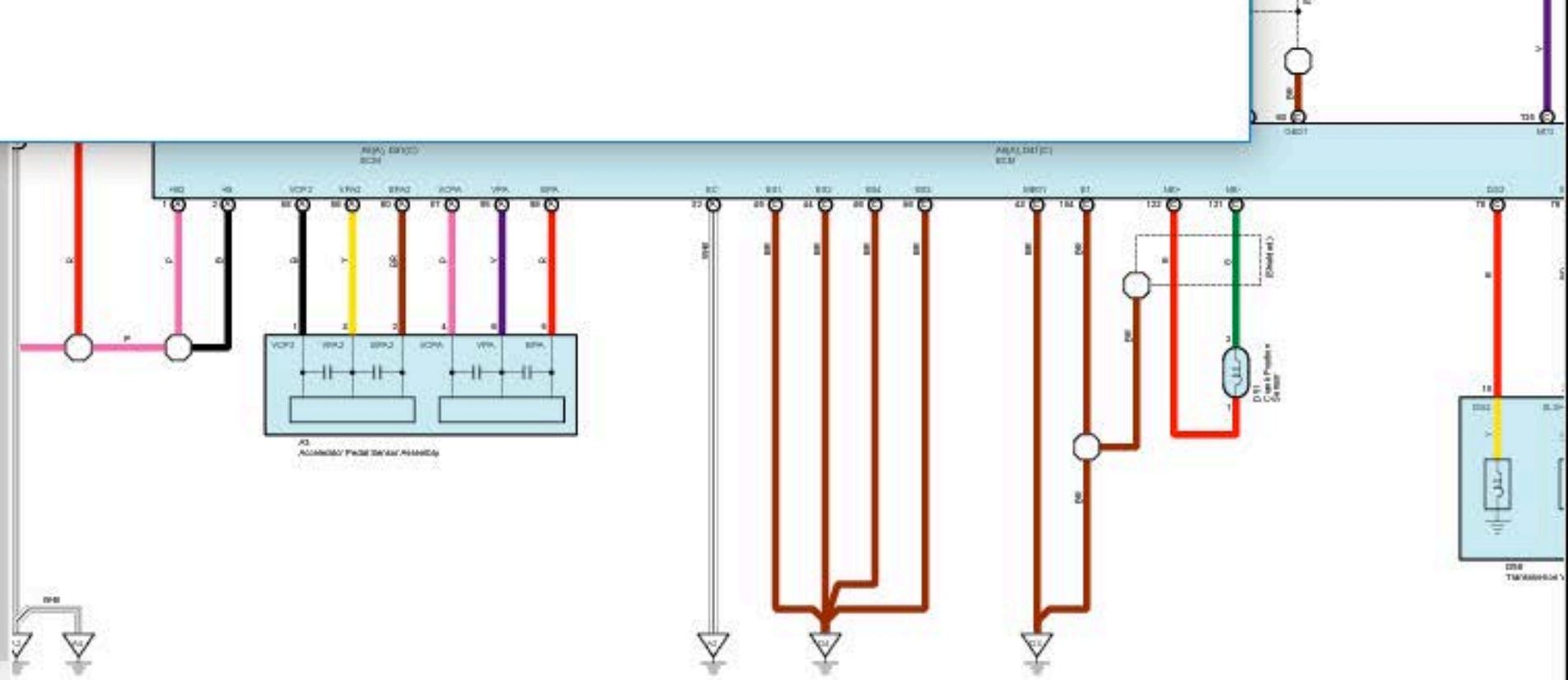
Print | Hint | Close

Repair Wire Harness

Male Female	Part No. of Connector	Terminal Type	Sealing Ability	Part No. of Repair Wire		More info.
				160mm Type	500mm Type	
Female	90980-10735	1.8	Sealed	82998-12620		detail

LPHARD

Introduction | Print



ZOOM: 100% RESET

Your select: ALPHARD / ANH20 GGH20

Installation/Removal

Engine / Hybrid System
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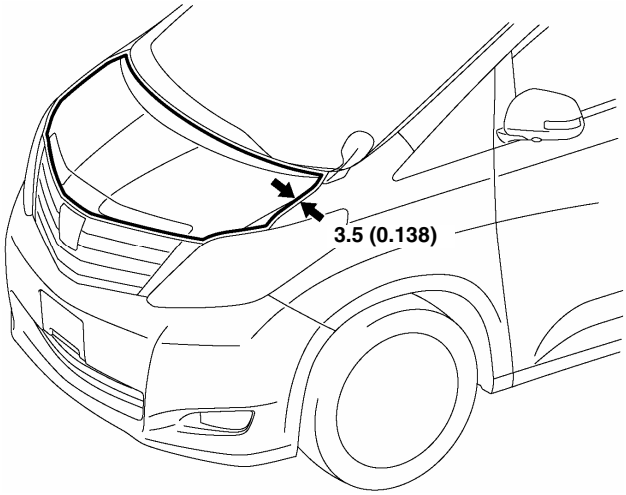
Vehicle Exterior

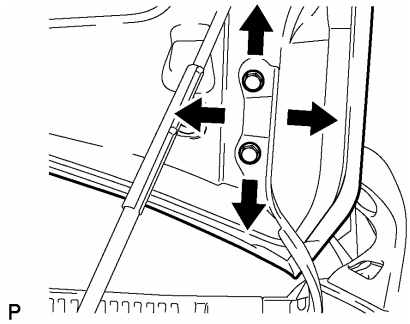
CAMSHAFT OIL CONTROL VALVE (2AZ-FE ENGINE CONTROL)
CAMSHAFT OIL CONTROL VALVE (2GR-FE ENGINE CONTROL)
THROTTLE BODY (2AZ-FE ENGINE CONTROL)
THROTTLE BODY (2GR-FE ENGINE CONTROL)
ECM (2AZ-FE ENGINE CONTROL)
ECM (2GR-FE ENGINE CONTROL)
ACCELERATOR PEDAL (2AZ-FE ENGINE CONTROL)
ACCELERATOR PEDAL (2GR-FE ENGINE CONTROL)
MASS AIR FLOW METER (2AZ-FE ENGINE CONTROL)
MASS AIR FLOW METER (2GR-FE ENGINE CONTROL)
CAMSHAFT POSITION SENSOR (2AZ-FE ENGINE CONTROL)
CAMSHAFT POSITION SENSOR (2GR-FE ENGINE CONTROL)

FIT STANDARD / ADJUSTMENT METHOD / TORQUE SPECIFICATION

1. HOOD

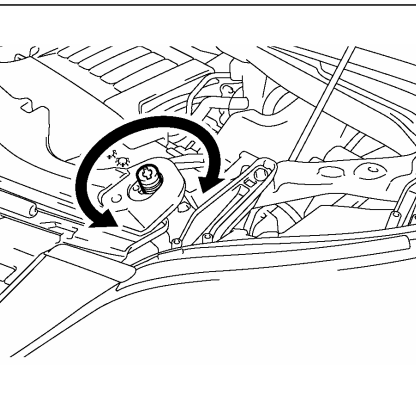


HINT:
Centering bolts are used to mount the hood hinge and hood lock. The hood and hood lock cannot be adjusted with the centering bolts installed. Substitute the centering bolts with standard bolts (with washers) when making adjustments.



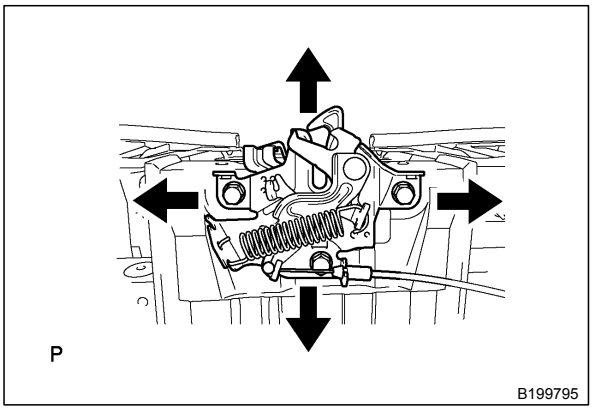
(a) Horizontally and vertically adjust the hood.
   (1) Loosen the 4 hinge bolts of the hood.
   (2) Adjust the clearance between the hood and front fender by moving the hood.
   (3) Tighten the 4 hinge bolts after the adjustment.

   Torque:
   12 N·m (122 kgf·cm, 9 ft.·lbf)



(b) Adjust the height of the front end of the hood using the cushion rubbers.

   HINT:
   Raise or lower the front end of the hood by turning the cushion rubbers.



(c) Adjust the hood lock.

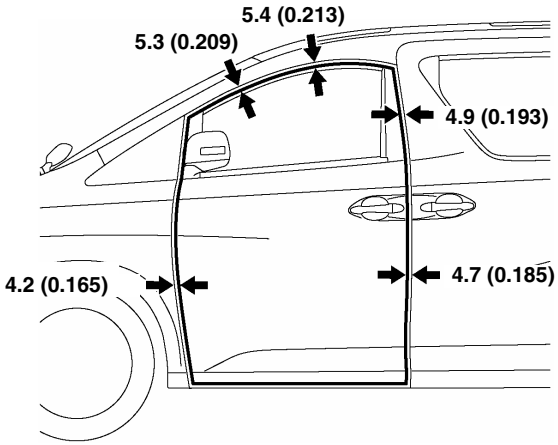
(1) Loosen the 3 bolts.

(2) Tighten the bolts after the adjustment.

Torque:
7.5 N·m (77 kgf·cm, 66 in.·lbf)

(3) Check that the striker can engage with the hood lock smoothly.

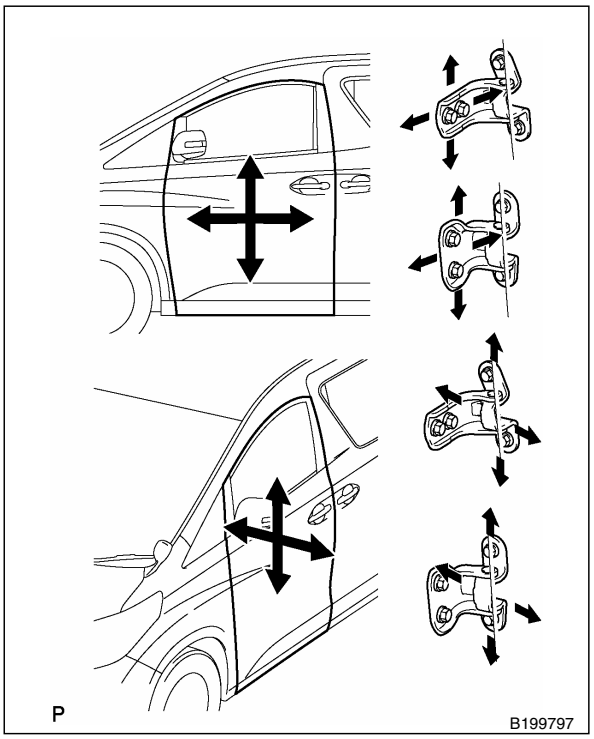
2. FRONT DOOR



NOTICE:
Before adjusting the door positions of vehicles equipped with side airbags and curtain shield airbags, be sure to disconnect the cable from the negative (–) battery terminal. After adjustment, inspect the SRS warning light, the side airbag system, and the curtain shield airbag system for normal operation. Then initialize both airbag systems.

HINT:

- *Use the same procedure for the RH side and LH side.*
- *The procedures listed below are for the LH side.*
- *Centering bolts are used to mount the door hinge to the vehicle body and door. The door cannot be adjusted with the centering bolts installed on it. Substitute the centering bolts with standard bolts (with washers) when making adjustments.*



(a) Using SST, loosen the hinge bolts on the vehicle body and adjust the door position.

SST
09812–00010

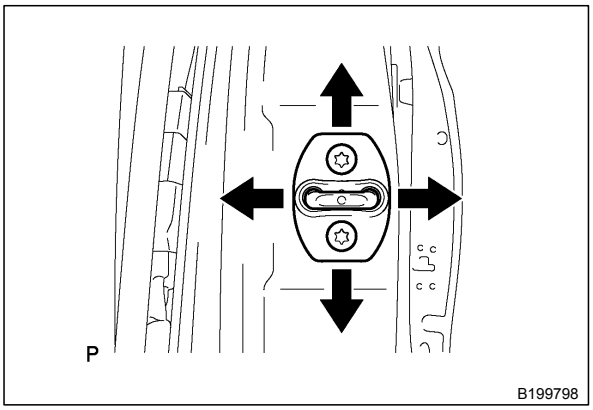
(b) Tighten the hinge bolts on the vehicle body after the adjustment.

Torque:
26 N·m (265 kgf·cm, 19 ft.·lbf)

(c) Loosen the hinge bolts on the door and adjust the door position.

(d) Tighten the hinge bolts on the door after the adjustment.

Torque:
12 N·m (122 kgf·cm, 9 ft.·lbf)

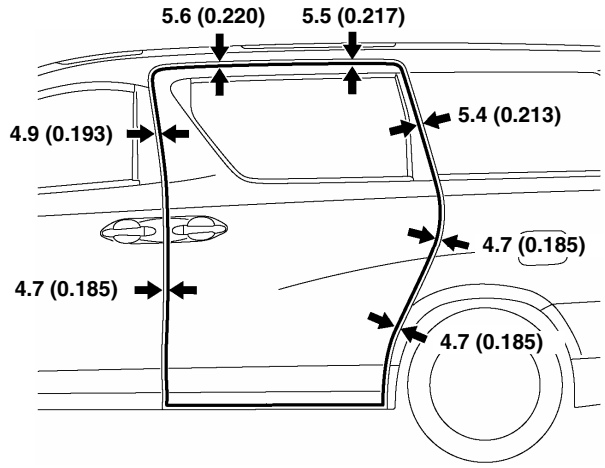


(e) Adjust the striker position by slightly loosening the striker mounting screws with a “TORX” socket wrench T40 and hitting the striker with a plastic hammer.

(f) Using a “TORX” socket wrench T40, tighten the striker mounting screws after the adjustment.

Torque:
23 N·m (235 kgf·cm, 17 ft.·lbf)

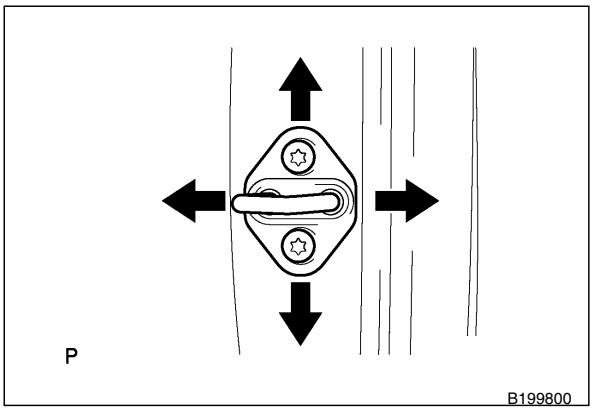
3. SLIDE DOOR



NOTICE:
Before adjusting the door positions of vehicles equipped with side airbags and curtain shield airbags, be sure to disconnect the cable from the negative (–) battery terminal. After adjustment, inspect the SRS warning light, the side airbag system, and the curtain shield airbag system for normal operation. Then initialize both airbag systems.

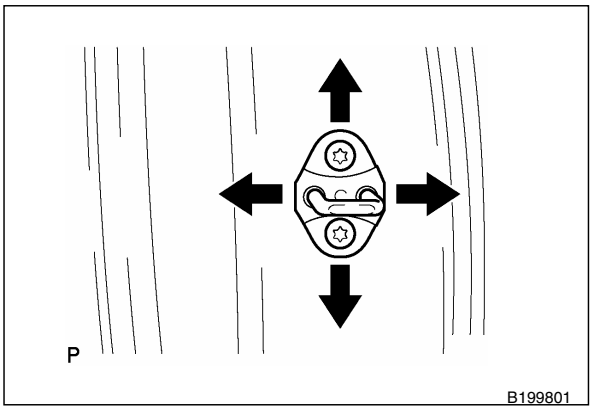
HINT:

- *Use the same procedure for the RH side and LH side.*
- *The procedures listed below are for the LH side.*
- *Centering bolts are used to mount the door hinge to the vehicle body and door. The door cannot be adjusted with the centering bolts installed on it. Substitute the centering bolts with standard bolts (with washers) when making adjustments.*



(a) Using SST, loosen the hinge bolts on the vehicle body and adjust the door position.
SST
09812–00010

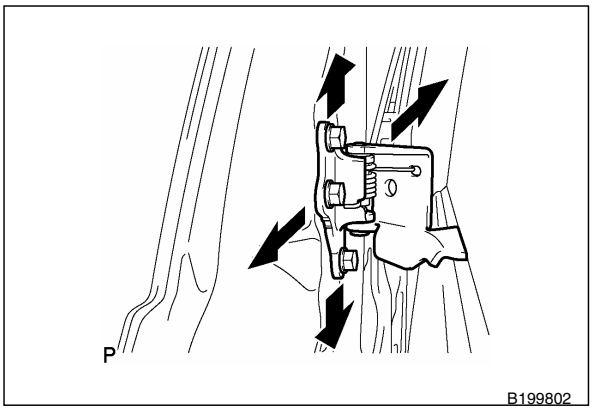
(b) To adjust the door position vertically or horizontally at the slide door front lock striker plate assembly, loosen the bolts for the slide door down female stopper, then loosen the striker screws using a “TORX” socket wrench T40 so that the striker can move, and adjust the striker position by tapping it lightly using a brass bar and a hammer.
Torque:
23 N·m (235 kgf·cm, 17 ft.·lbf)



(c) To adjust the door position vertically or horizontally at the slide door lock striker plate assembly, loosen the striker screws using a “TORX” socket wrench T40 and adjust the striker position by tapping it lightly using a brass bar and a hammer.

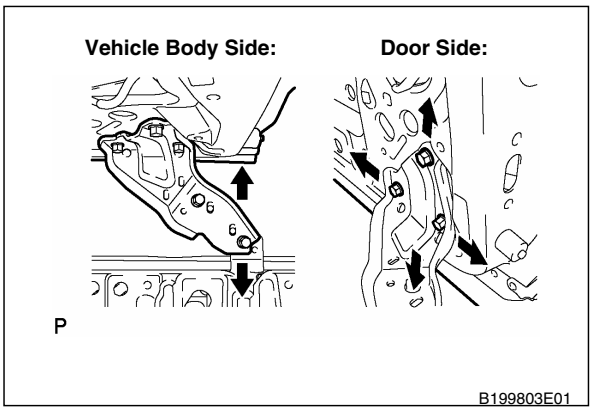
Torque:
23 N·m (235 kgf·cm, 17 ft.·lbf)

BP



(d) To adjust the door position in the vertical or front–to–back directions at the rear edge of the door, loosen the bolts of the slide door center hinge assembly before making an adjustment.

Torque:
20 N·m (204 kgf·cm, 15 ft.·lbf)



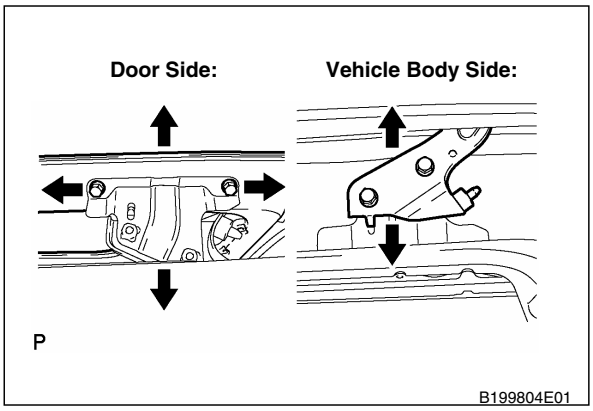
(e) To adjust the lower door seating position on the vehicle body surface vertically or to adjust the door position in the vertical and front–to–back directions, fully close the slide door, loosen the bolt of the slide door lower roller assembly, and then check and adjust the door position.

Torque:
Vehicle Body Side:
19 N·m (194 kgf·cm, 14 ft.·lbf)

Door Side:
20 N·m (204 kgf·cm, 15 ft.·lbf)

HINT:

- *To adjust the slide door lower roller arm on the door side, remove the rear door trim board.*
- *To adjust the slide door lower roller base on the vehicle body side, disengage the slide door full open stop lock assembly and temporarily install the bolts.*



(f) To adjust the door position in the vertical, horizontal or front–to–back direction, loosen the bolts of the slide door roller assembly before making an adjustment.

Torque:
Vehicle Body Side:
30 N·m (306 kgf·cm, 22 ft.·lbf)

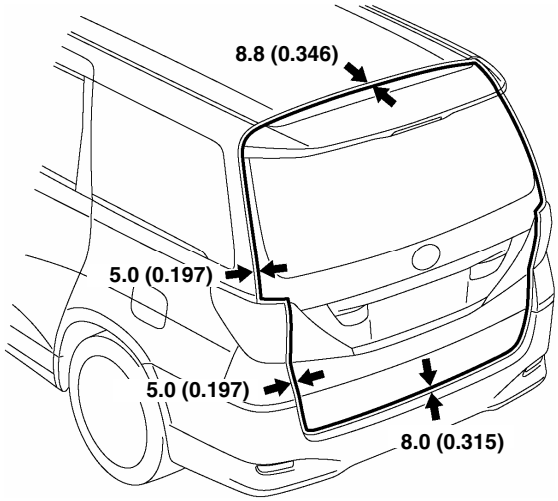
Door Side:
13 N·m (133 kgf·cm, 10 ft.·lbf)

(g) For vehicles with the power slide door system, temporarily tighten the slide door down female stopper, fully close the slide door to settle the stopper, and then fully tighten the stopper.

(h) After adjusting the door position, check the operation of the electric door lock system, slide door closer system, and power slide door system (for vehicles with the power slide door system).

HINT:
If something contacts the power slide door touch sensor during an automatic closing operation, the door will reverse.

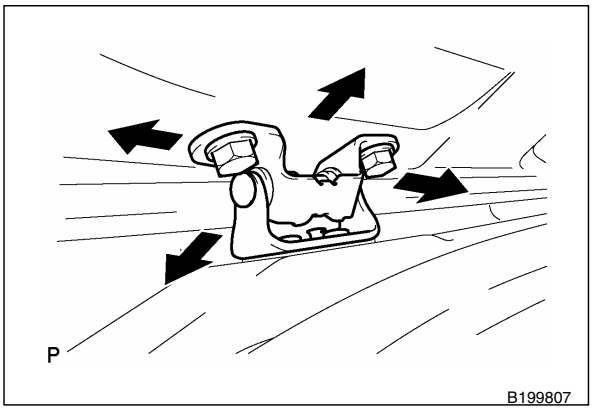
4. BACK DOOR



BP

HINT:

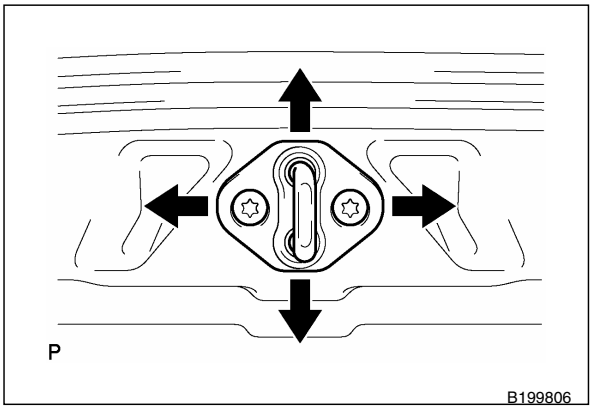
- *Use the same procedure for the RH side and LH side.*
- *The procedure listed below is for the LH side.*
- *Centering bolts are used to mount the door hinge to the vehicle body and door. The door cannot be adjusted with the centering bolts installed on it. Substitute the centering bolts with standard bolts (with washers) when making adjustments.*



(a) Before adjusting the upper end of the back door up and down or left and right, loosen the bolts.

(b) Tighten the body side hinge after the adjustment.

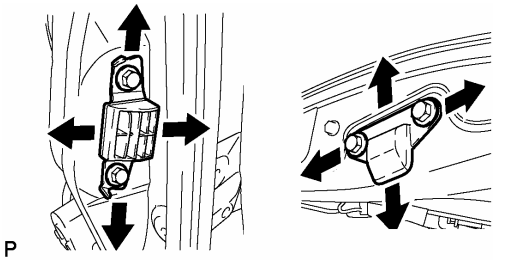
Torque:
19 N·m (194 kgf·cm, 14 ft.·lbf)



(c) Adjust the striker position by slightly loosening the striker mounting screws and hitting the striker with a plastic hammer.

(d) Tighten the striker mounting screws after the adjustment.

Torque:
23 N·m (235 kgf·cm, 17 ft.·lbf)



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(e) After adjusting the back door position, adjust the positions of the back door side female and male stoppers.

Torque:
7.5 N·m (77 kgf·cm, 66 in.·lbf)