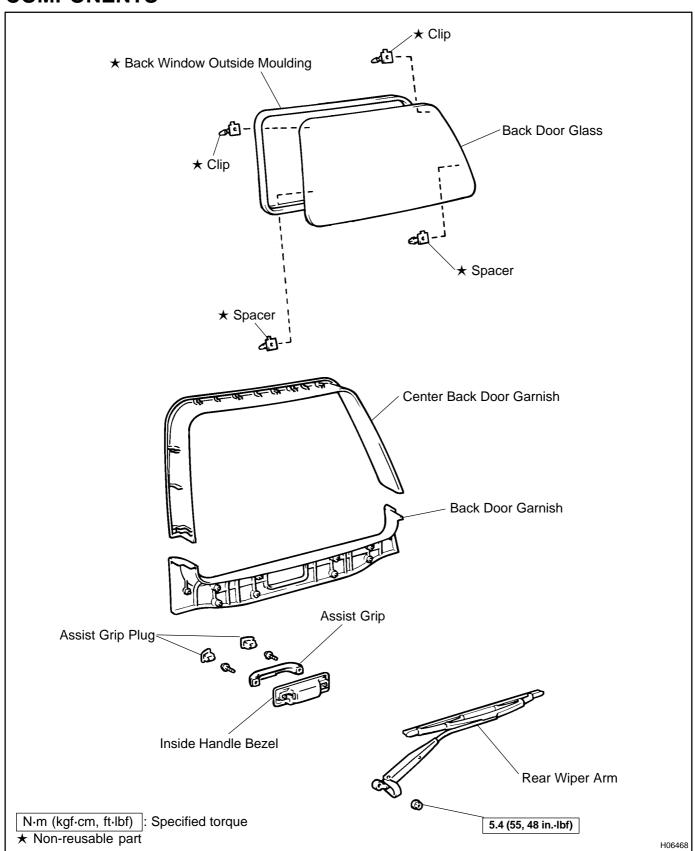
**BO-65** 

**BODY** - BACK DOOR GLASS

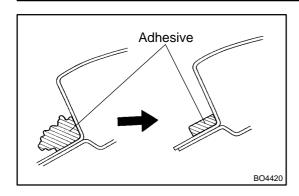
# BACK DOOR GLASS COMPONENTS

BO1KA-02



Date:





# INSTALLATION

# 1. CLEAN AND SHAPE CONTACT SURFACE OF DOOR PANEL

(a) Using a knife, cut away any rough areas on the door panel.

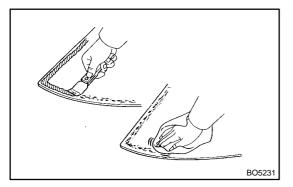
#### HINT:

Leave as much of the adhesive on the door panel as possible.

(b) Clean the cutting surface of the adhesive with a piece of shop rag saturated in cleaner.

#### HINT:

Even if all the adhesive has been removed, clean the door panel.

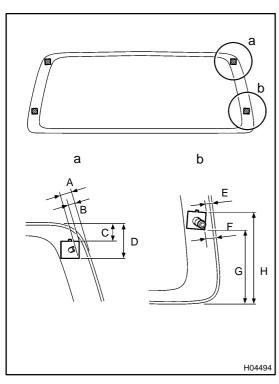


# 2. CLEAN REMOVED GLASS

- (a) Remove the damaged clips and spacers.
- (b) Using a scraper, remove the adhesive sticking to the glass.
- (c) Clean the glass with cleaner.

# NOTICE:

Do not touch the glass after cleaning it.



# 3. INSTALL NEW CLIPS AND SPACERS

Install new clips and spacers onto the glass as shown in the illustration.

A: 24.3 mm (0.957 in.)

B: 18.6 mm (0.732 in.)

C: 33.1 mm (1.303 in.)

D: 52.8 mm (2.079 in.)

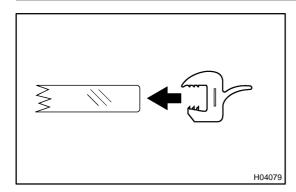
E: 14.4 mm (0.567 in.)

F: 18.0 mm (0.709 in.)

G: 156.6 mm (6.165 in.)

H: 176.8 mm (6.961 in.)

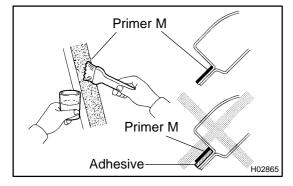
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#### 4. INSTALL BACK WINDOW MOULDING

Install a new back window moulding as shown in the illustration. **NOTICE:** 

Do not touch the glass face after cleaning it.

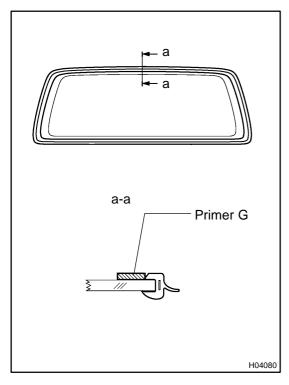


# 5. COAT CONTACT SURFACE OF DOOR PANEL WITH PRIMER "M"

Using a brush, coat Primer M to the exposed part of door panel on the vehicle side.

## NOTICE:

- ★ Let the primer coating dry for 3 minutes or more.
- ★ Do not coat Primer M to the adhesive.
- **★** Do not keep any of the opened Primer M for later use.



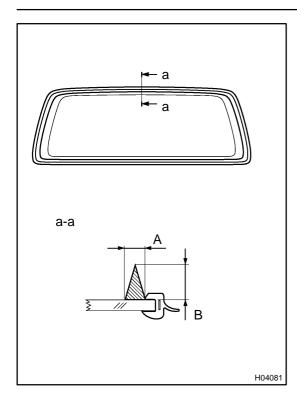
# 6. COAT CONTACT SURFACE OF GLASS WITH PRIMER "G"

- (a) Using a brush or sponge, coat the edge of the glass and contact surface with Primer G.
- (b) When the primer coated wrongly to the area other than the specified, wipe it off with a clean shop rag before the primer dries.

# **NOTICE:**

- ★ Let the primer coating dry for 3 minutes or more.
- **★** Do not keep any of the opened Primer G for later use.

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#### 7. APPLY ADHESIVE

(a) Cut off the tip of the cartridge nozzle.

#### HINT:

After cutting off the tip, use all adhesive within the time described in the table below.

Temperature	Tackfree time
35 °C (95 °F)	15 minutes
20 °C (68 °F)	100 minutes
5 °C (41 °F)	8 hours

- (b) Load the cartridge into the sealer gun.
- (c) Coat the glass with adhesive, as shown in the illustration.

A: 8.0 mm (0.315 in.)

B: 12.0 mm (0.472 in.)

- 8. INSTALL BACK DOOR GLASS
- (a) Install the glass to the body.
- (b) Hold back window glass in place securely with protective tape or equivalent until the adhesive hardens.

#### NOTICE:

Take care not to drive the vehicle during the time described in the table below.

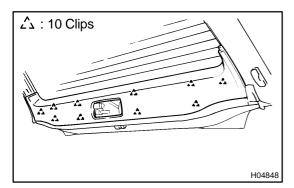
Temperature	Minimum time prior to moving a car
35 °C (95 °F)	1.5 hours
20 °C (68 °F)	5 hours
5 °C (41 °F)	24 hours

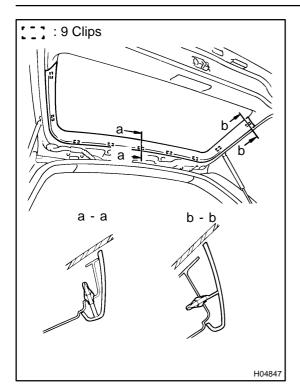
#### 9. INSPECT FOR LEAKS AND REPAIR

- (a) Conduct a leak test after the hardening time has elapsed.
- (b) Seal any leak with sealant.

Part No. 08833-00030 or equivalent.

- 10. INSTALL REAR WIPER ARM (See page BO-42)
- 11. INSTALL BACK DOOR GARNISH





- 12. INSTALL CENTER BACK DOOR GARNISH
- 13. INSTALL INSIDE HANDLE BEZEL
- 14. INSTALL ASSIST GRIP

Install the assist grip with the 2 screws, then install 2 assist grip plugs.

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BO21B-01

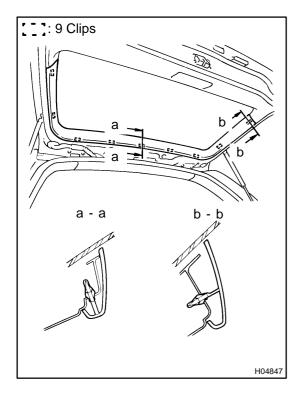
# **REMOVAL**

# 1. REMOVE ASSIST GRIP

(a) Using a screwdriver, remove the 2 assist grip plugs. HINT:

Tape the screwdriver tip before use.

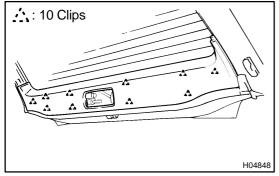
- (b) Remove the 2 screws and assist grip.
- 2. REMOVE INSIDE HANDLE BEZEL



# 3. REMOVE CENTER BACK DOOR GARNISH

Using a screwdriver, remove the center back door garnish. HINT:

Tape the screwdriver tip before use.

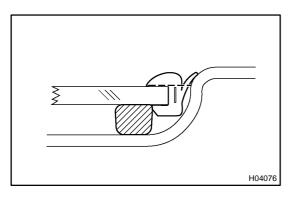


# 4. REMOVE BACK DOOR GARNISH

Using a screwdriver, remove the back door garnish. HINT:

Tape the screwdriver tip before use.

5. REMOVE REAR WIPER ARM (See page BO-38)

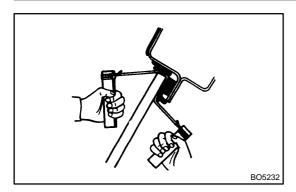


## 6. REMOVE OUTSIDE BACK WINDOW MOULDING

Using a knife, cut off the moulding as shown in the illustration. **NOTICE:** 

Do not damage the body with the knife.

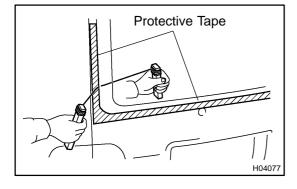
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## 7. REMOVE BACK DOOR GLASS

- (a) Disconnect the connector.
- (b) Push piano wire through between the body and glass from the interior.
- (c) Tie both wire ends to wooden blocks or similar objects. HINT:

Apply protective tape to the outer surface to keep the surface from being scratched.



## **NOTICE:**

When separating the glass, take care not to damage the paint and exterior ornaments.

- (d) Cut the adhesive by pulling the piano wire around it.
- (e) Remove the glass.

## **NOTICE:**

Leave as much of the adhesive on the body as possible when cutting off the glass.

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# BACK DOOR STAY REPLACEMENT

BO1JQ-03

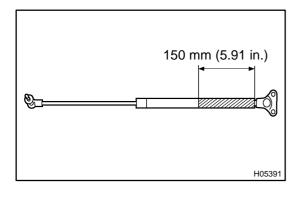
- 1. REMOVE BACK DOOR STAY
- (a) Remove the bolts and back door stay from the back door. HINT:

While supporting the back door with your hand, remove the back door stay.

- (b) Remove the bolt and back door stay from the body.
- 2. IF NECESSARY, REPLACE BACK DOOR STAY NOTICE:

When handling the back door stay.

★ Do not disassemble the back door stay because the cylinder is filled with pressurized gas.



- ★ If the back door stay is to be replaced, drill a 2.0 3.0 mm (0.079 0.118 in.) hole in the bottom of the back door stay as shown in the illustration to completely release the high-pressure gas before disposing of it.
- **★** When drilling, chips may fly out so work carefully.
- **★** The gas is colorless, odorless and non-toxic.
- ★ When working, handle the back door stay carefully. Never score or scratch the exposed part of the piston rod, and never allow paint or oil to get on it.
- ★ Do not turn the piston rod and cylinder with the back door stay fully extended.
- 3. INSTALL BACK DOOR STAY
- (a) Install the bolt and back door stay to the body.

Torque: 17.5 N-m (178 kgf-cm, 13 ft-lbf)

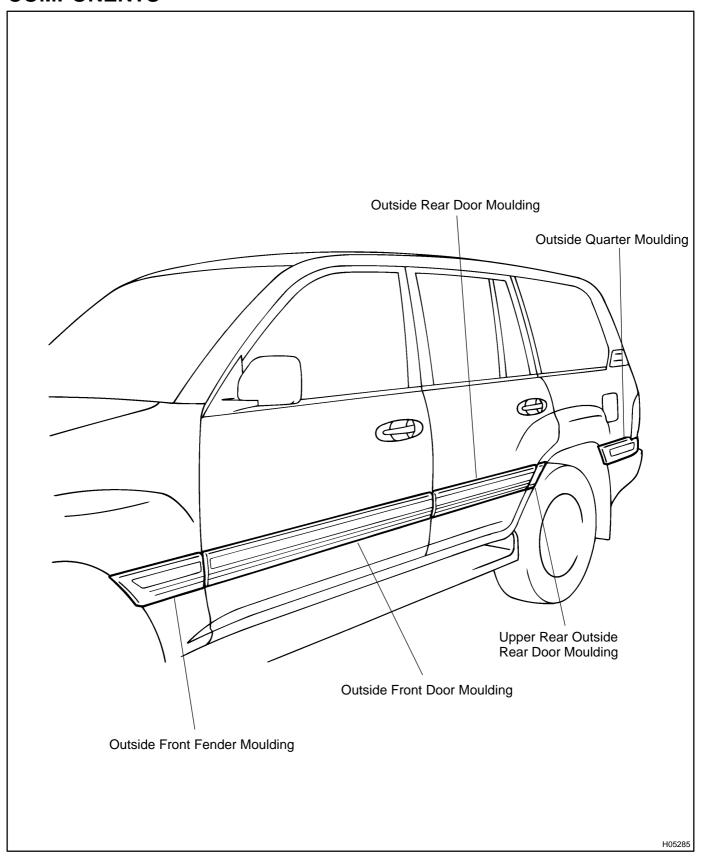
(b) Install the bolts and back door stay to the back door.

Torque: 13 N-m (133 kgf-cm, 10 ft-lbf)

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# BODY OUTSIDE MOULDING COMPONENTS

BO1K1-02



2004 LAND CRUISER (RM1071U)

Full download: http://manualplace.com/download/toyota-land-cruiser-1998-2007-body-mechanical-service-repair-manual/

**BO-46** 

#### **BODY** - BODY OUTSIDE MOULDING

BO1K3-02

# INSTALLATION

## 1. CLEAN BODY MOUNTING SURFACE

(a) Using a heat light, heat the body mounting surface to 4060 °C (104 - 140 °F).

#### NOTICE:

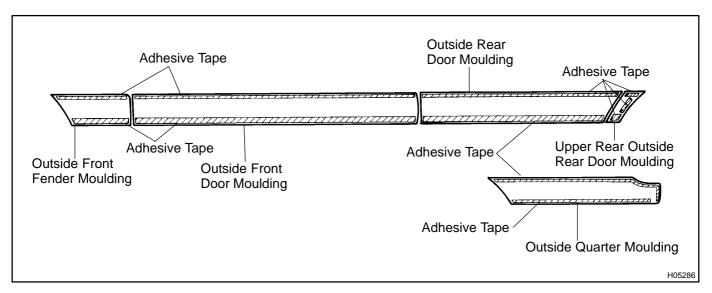
# Do not heat the body excessively.

- (b) Wipe off stains with cleaner.
- 2. If reusing the moulding: CLEAN MOULDING
- (a) Using a heat light, heat the moulding surface to 20 30 °C (68 86 °F).

#### NOTICE:

# Do not heat the moulding excessively.

- (b) Remove the adhesive tape from the moulding.
- (c) Wipe off stains with cleaner.
- (d) Apply new adhesive tape to moulding as shown in the illustration.



# 3. INSTALL MOULDING

(a) Using a heat light, heat the body and moulding.

Body: 40 - 60 °C (104 - 140 °F) Moulding: 20 - 30 °C (68 - 86 °F)

# NOTICE:

# Do not heat the body and moulding excessively.

(b) Lift moulding release sheet from the face of moulding.

## NOTICE:

When the moulding release sheet is removed, make sure that no dirt of dust can get onto the uncoated area.

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Author:

Date:

2620