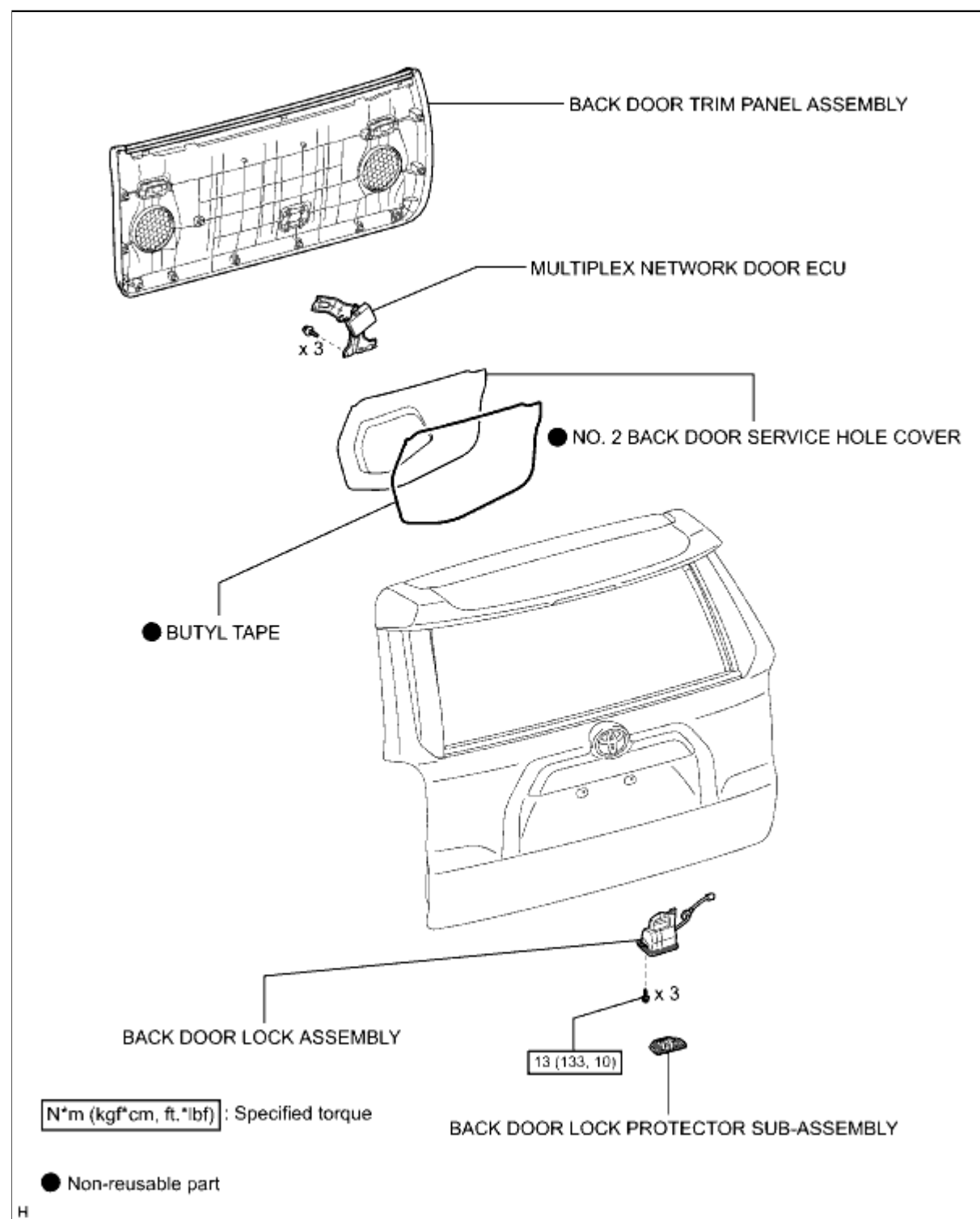


Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM0000039H7009X
Title: DOOR LOCK: BACK DOOR LOCK: COMPONENTS (2010 4Runner)		

COMPONENTS

ILLUSTRATION





TOYOTA

Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM0000039H800BX
Title: DOOR LOCK: BACK DOOR LOCK: REMOVAL (2010 4Runner)		

REMOVAL

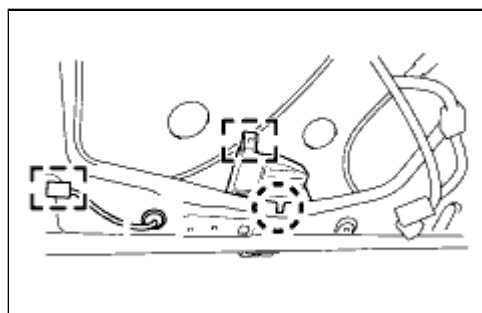
1. REMOVE BACK DOOR LOCK PROTECTOR SUB-ASSEMBLY [INFO](#)

2. REMOVE BACK DOOR TRIM PANEL ASSEMBLY [INFO](#)

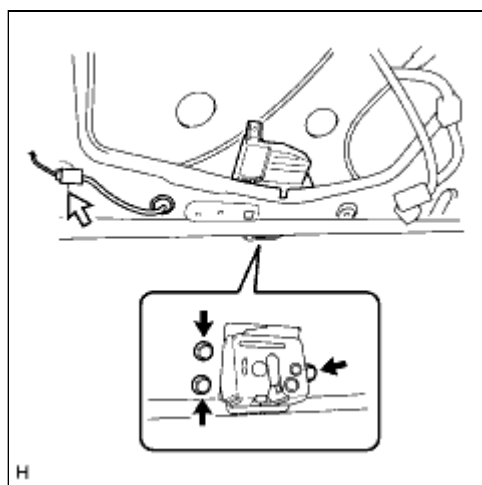
3. REMOVE MULTIPLEX NETWORK DOOR ECU [INFO](#)

4. REMOVE NO. 2 BACK DOOR SERVICE HOLE COVER [INFO](#)

5. REMOVE BACK DOOR LOCK ASSEMBLY



(a) Detach the 3 clamps and claw.



(b) Disconnect the connector.

(c) Remove the 3 bolts and back door lock.

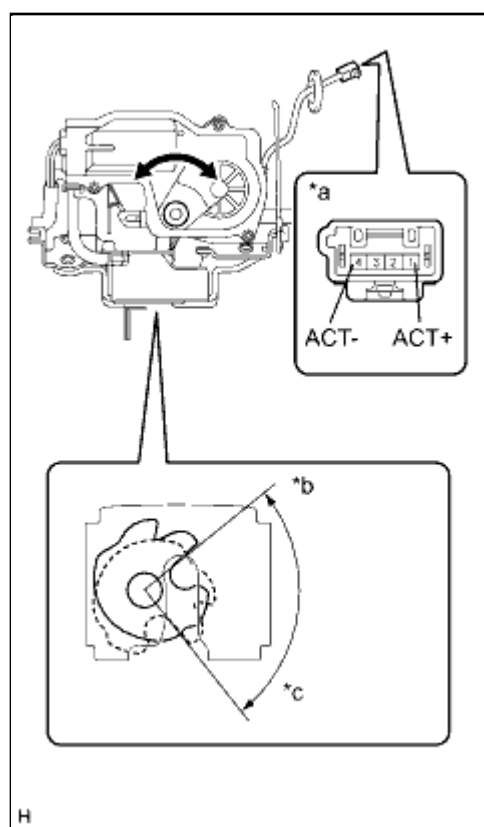
Last Modified: 5-10-2010	6.4 G	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000001VYW00HX
Title: DOOR LOCK: BACK DOOR LOCK: INSPECTION (2010 4Runner)		

INSPECTION

1. INSPECT BACK DOOR LOCK ASSEMBLY

- Set the back door lock to the full-latch position.
- Apply battery voltage to the door motor connector and check the operation of the door lock motor.

OK:



MEASUREMENT CONDITION	SPECIFIED CONDITION
Battery positive (+) → 1 (ACT+)	Moves to open-latch position
Battery negative (-) → 4 (ACT-)	

If the result is not as specified, replace the back door lock assembly.

- Measure the resistance according to the value(s) in the table below.

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
3 (E) - 2 (S)	Open-latch	Below 1 Ω
3 (E) - 2 (S)	Full-latch	10 k Ω or higher

If the result is not as specified, replace the back door lock assembly.

Text in Illustration

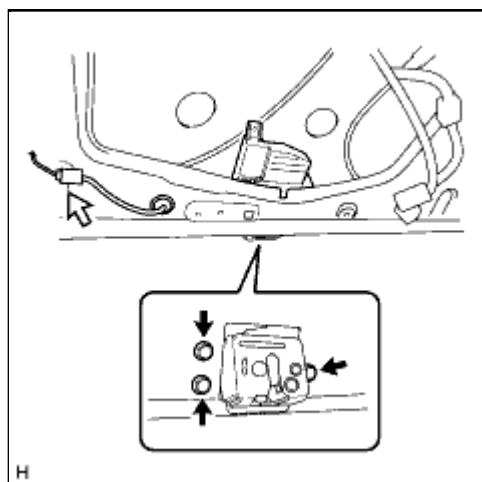
*a	Component without harness connected (Back Door Lock Assembly)
*b	Full-latch
*c	Open-latch



Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM0000039H500BX
Title: DOOR LOCK: BACK DOOR LOCK: INSTALLATION (2010 4Runner)		

INSTALLATION

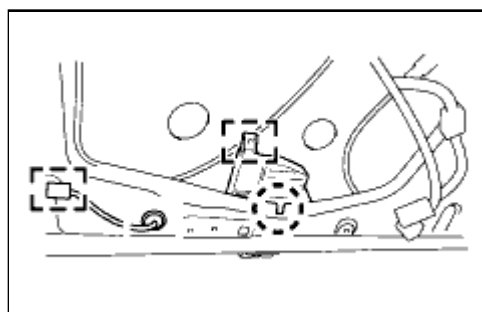
1. INSTALL BACK DOOR LOCK ASSEMBLY



(a) Install the door lock with the 3 bolts.

Torque: 13 N·m (133 kgf·cm, 10ft·lbf)

(b) Connect the connector.



(c) Attach the 3 clamps and claw.

2. INSTALL NO. 2 BACK DOOR SERVICE HOLE COVER

[INFO](#)

3. INSTALL MULTIPLEX NETWORK DOOR ECU

[INFO](#)

4. INSTALL BACK DOOR TRIM PANEL ASSEMBLY

[INFO](#)

5. INSTALL BACK DOOR LOCK PROTECTOR SUB-ASSEMBLY

[INFO](#)

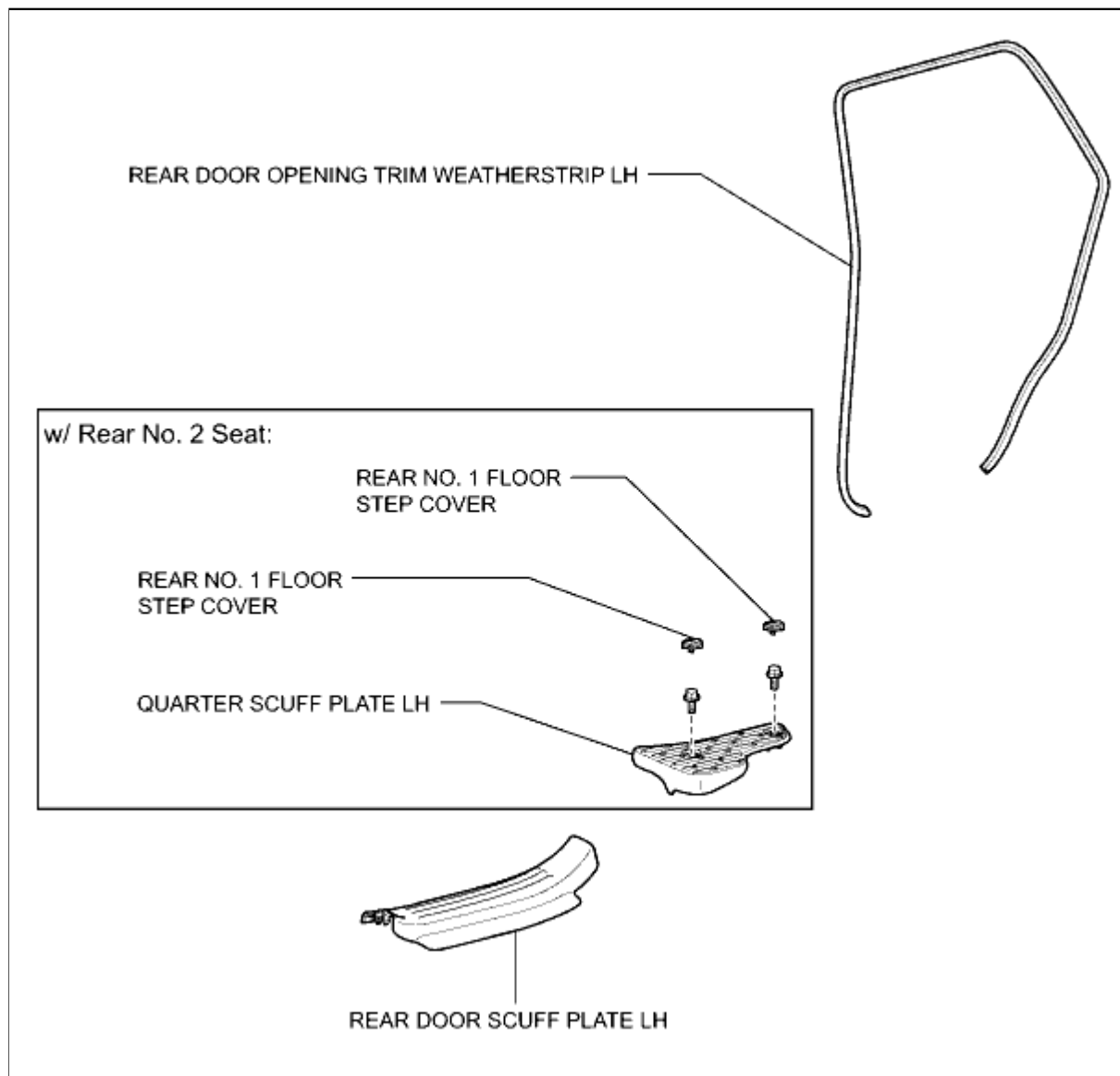


TOYOTA

Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003TV3003X
Title: DOOR LOCK: DOOR CONTROL RECEIVER: COMPONENTS (2010 4Runner)		

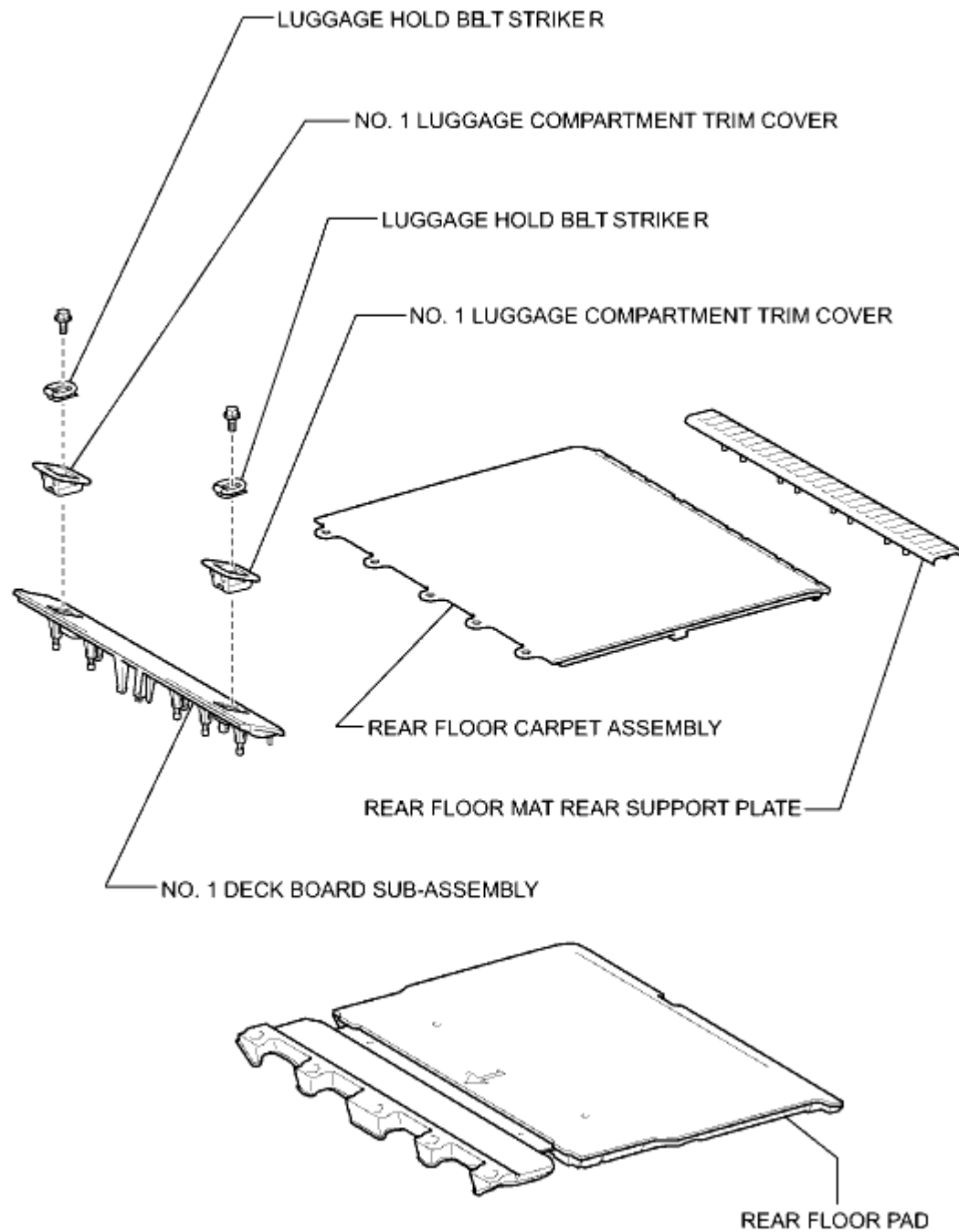
COMPONENTS

ILLUSTRATION



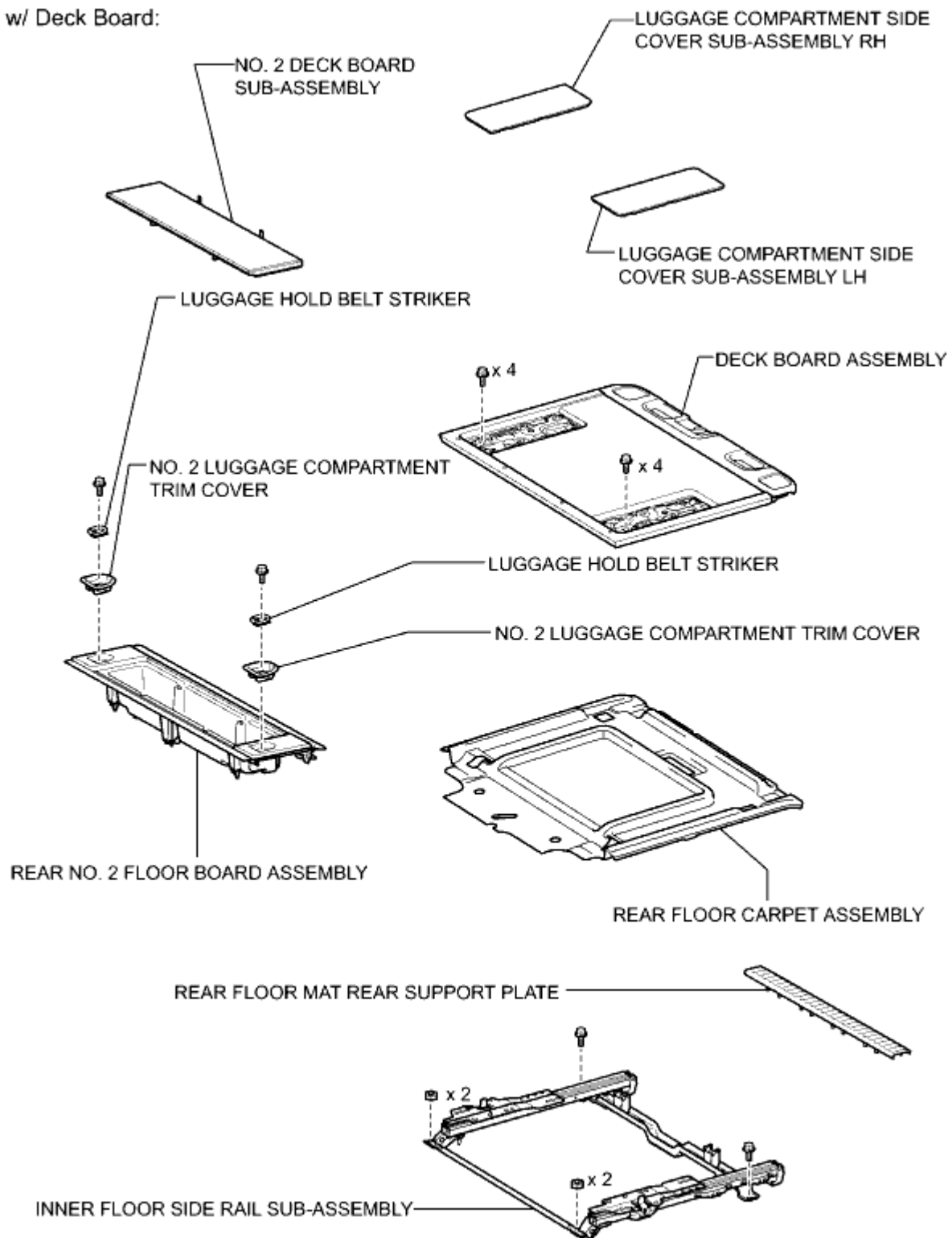
ILLUSTRATION

w/o Deck Board:



ILLUSTRATION

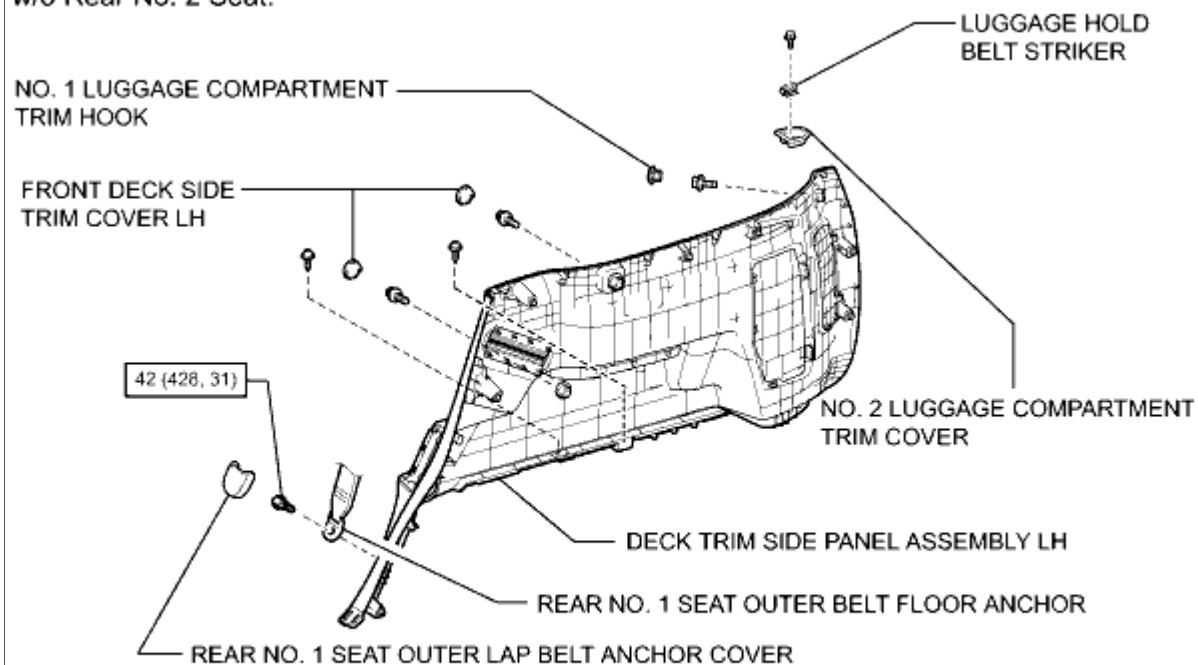
w/ Deck Board:



T

ILLUSTRATION

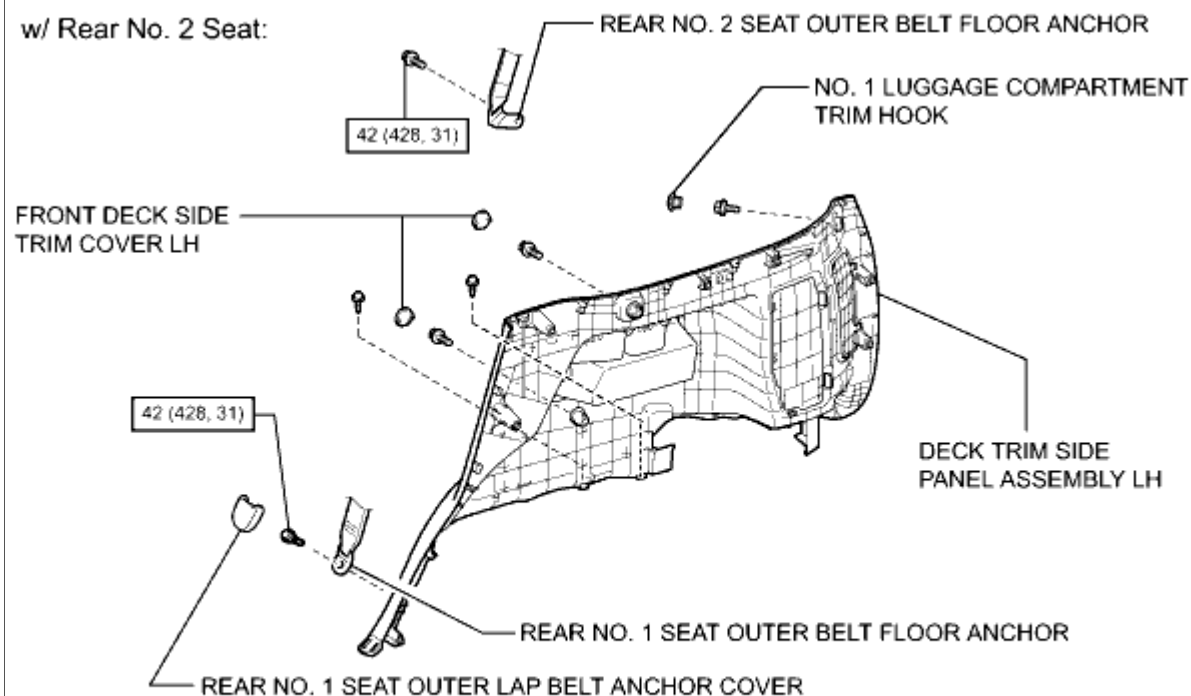
w/o Rear No. 2 Seat:



N*m (kgf*cm, ft.*lbf) : Specified torque

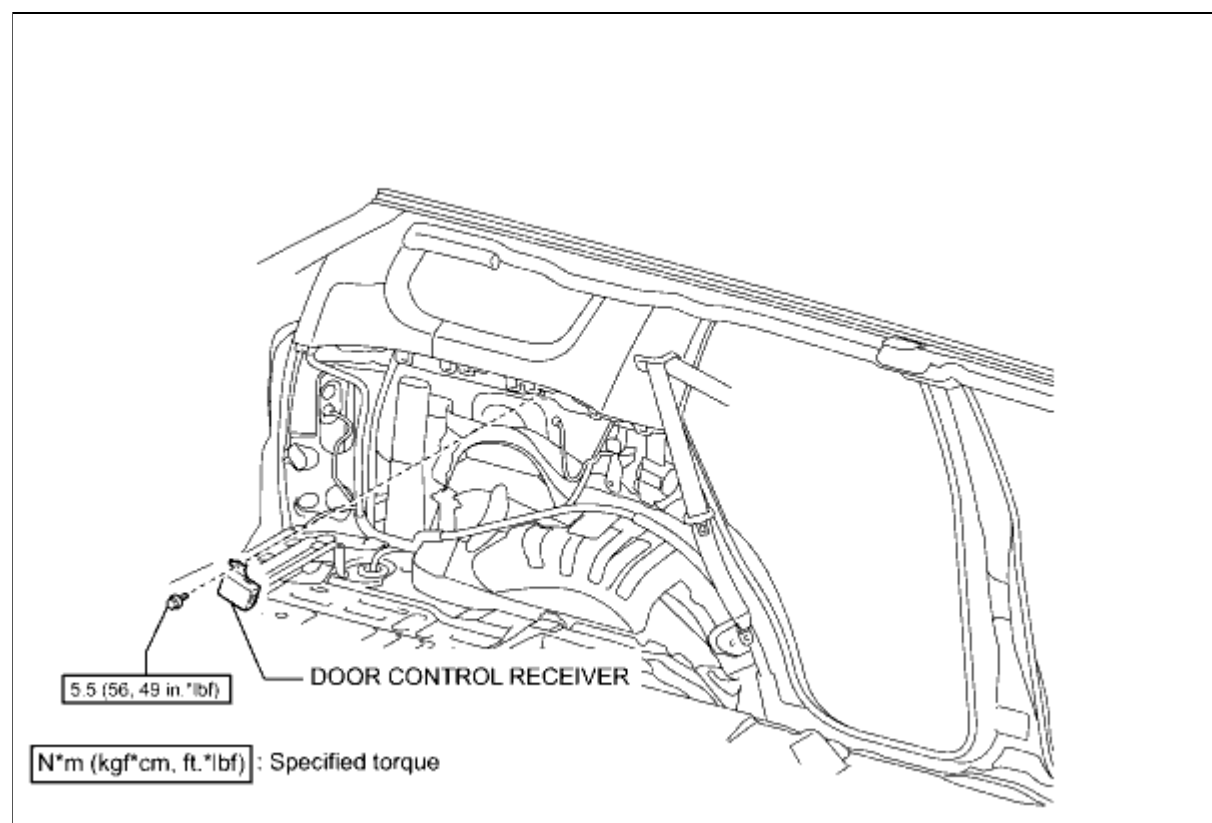
ILLUSTRATION

w/ Rear No. 2 Seat:



N*m (kgf*cm, ft.*lbf) : Specified torque


ILLUSTRATION



Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003TV0006X
Title: DOOR LOCK: DOOR CONTROL RECEIVER: REMOVAL (2010 4Runner)		

REMOVAL

1. REMOVE REAR NO. 2 SEAT ASSEMBLY

(a) Remove the rear No. 2 seat assembly .

2. REMOVE REAR NO. 1 FLOOR STEP COVER (w/ Rear No. 2 Seat)

3. REMOVE QUARTER SCUFF PLATE LH (w/ Rear No. 2 Seat)

4. REMOVE REAR DOOR SCUFF PLATE LH

5. REMOVE REAR DOOR OPENING TRIM WEATHERSTRIP LH

6. REMOVE NO. 1 LUGGAGE COMPARTMENT TRIM COVER (w/o Deck Board)

7. REMOVE NO. 1 DECK BOARD SUB-ASSEMBLY (w/o Deck Board)

8. REMOVE NO. 2 LUGGAGE COMPARTMENT TRIM COVER (w/ Deck Board, w/o Rear No. 2 Seat)

9. REMOVE NO. 2 DECK BOARD SUB-ASSEMBLY (w/ Deck Board)

10. REMOVE REAR NO. 2 FLOOR BOARD ASSEMBLY (w/ Deck Board)

11. REMOVE LUGGAGE COMPARTMENT SIDE COVER SUB-ASSEMBLY LH (w/ Deck Board)

12. REMOVE LUGGAGE COMPARTMENT SIDE COVER SUB-ASSEMBLY RH (w/ Deck Board)

13. REMOVE DECK BOARD ASSEMBLY (w/ Deck Board)

14. REMOVE INNER FLOOR SIDE RAIL SUB-ASSEMBLY (w/ Deck Board)

15. REMOVE REAR FLOOR MAT REAR SUPPORT PLATE

16. REMOVE REAR FLOOR CARPET ASSEMBLY (w/ Deck Board)

(a) Detach the 4 claws and remove the rear floor carpet.

17. REMOVE REAR FLOOR CARPET ASSEMBLY (w/o Deck Board)

18. REMOVE REAR FLOOR PAD (w/o Deck Board)

(a) Remove the rear floor pad.

19. REMOVE REAR NO. 1 SEAT OUTER LAP BELT ANCHOR COVER

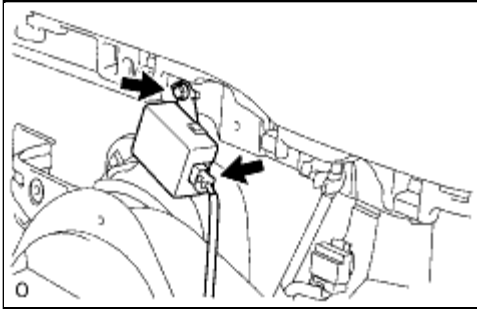
20. REMOVE NO. 1 LUGGAGE COMPARTMENT TRIM HOOK

21. REMOVE FRONT DECK SIDE TRIM COVER LH [INFO](#)

22. REMOVE NO. 1 LUGGAGE COMPARTMENT TRIM COVER [INFO](#)

23. REMOVE DECK TRIM SIDE PANEL ASSEMBLY LH [INFO](#)

24. REMOVE DOOR CONTROL RECEIVER



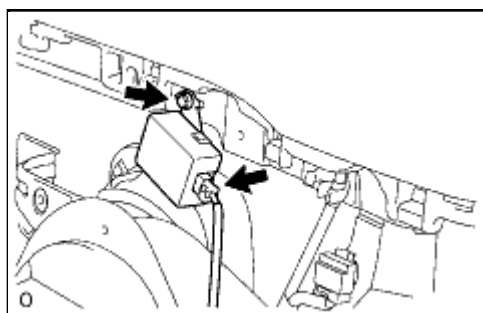
(a) Disconnect the connector.

(b) Remove the bolt and door control receiver.

Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003TV2006X
Title: DOOR LOCK: DOOR CONTROL RECEIVER: INSTALLATION (2010 4Runner)		

INSTALLATION

1. INSTALL DOOR CONTROL RECEIVER



(a) Install the door control receiver with the bolt.

Torque: 5.5 N·m (56 kgf·cm, 49in·lbf)

(b) Connect the connector.

2. INSTALL DECK TRIM SIDE PANEL ASSEMBLY LH INFO

3. INSTALL NO. 1 LUGGAGE COMPARTMENT TRIM COVER INFO

4. INSTALL FRONT DECK SIDE TRIM COVER LH INFO

5. INSTALL NO. 1 LUGGAGE COMPARTMENT TRIM HOOK INFO

6. INSTALL REAR NO. 1 SEAT OUTER LAP BELT ANCHOR COVER INFO

7. INSTALL REAR FLOOR PAD (w/o Deck Board)

(a) Install the rear floor pad.

8. INSTALL REAR FLOOR CARPET ASSEMBLY (w/o Deck Board) INFO

9. INSTALL REAR FLOOR CARPET ASSEMBLY (w/ Deck Board)

(a) Attach the 4 claws to install the rear floor carpet.

10. INSTALL REAR FLOOR MAT REAR SUPPORT PLATE INFO

11. INSTALL INNER FLOOR SIDE RAIL SUB-ASSEMBLY (w/ Deck Board) INFO

12. INSTALL DECK BOARD ASSEMBLY (w/ Deck Board) INFO

13. INSTALL LUGGAGE COMPARTMENT SIDE COVER SUB-ASSEMBLY LH (w/ Deck Board)

INFO

14. INSTALL LUGGAGE COMPARTMENT SIDE COVER SUB-ASSEMBLY RH (w/ Deck Board)

INFO

15. INSTALL REAR NO. 2 FLOOR BOARD ASSEMBLY (w/ Deck Board) 

16. INSTALL NO. 2 DECK BOARD SUB-ASSEMBLY (w/ Deck Board) 

17. INSTALL NO. 2 LUGGAGE COMPARTMENT TRIM COVER (w/ Deck Board) 

18. INSTALL NO. 1 DECK BOARD SUB-ASSEMBLY (w/o Deck Board) 

19. INSTALL NO. 1 LUGGAGE COMPARTMENT TRIM COVER (w/o Deck Board) 


20. INSTALL REAR DOOR OPENING TRIM WEATHERSTRIP LH 

21. INSTALL REAR DOOR SCUFF PLATE LH 

22. INSTALL QUARTER SCUFF PLATE LH (w/ Rear No. 2 Seat) 

23. INSTALL REAR NO. 1 FLOOR STEP COVER (w/ Rear No. 2 Seat) 

24. INSTALL REAR NO. 2 SEAT ASSEMBLY

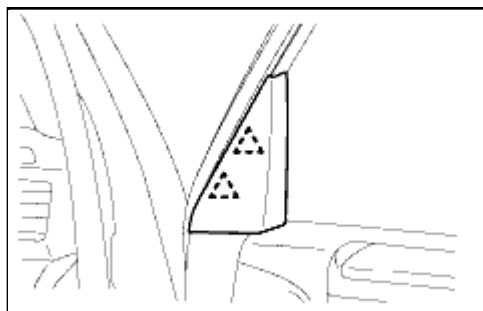
(a) Install the rear No. 2 seat assembly  .



Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003EY000HX
Title: DOOR LOCK: DOOR CONTROL SWITCH: REMOVAL (2010 4Runner)		

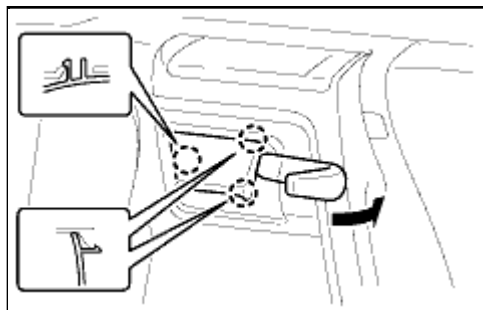
REMOVAL

1. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH RH



(a) Detach the 2 clips and remove the front door lower frame bracket garnish RH.

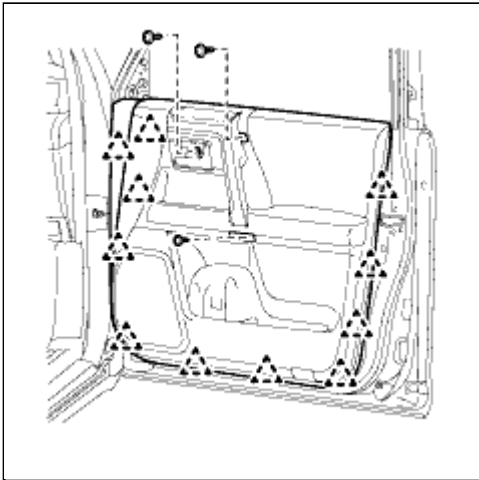
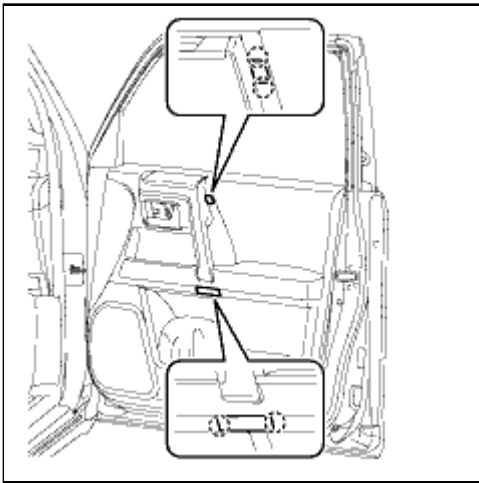
2. REMOVE DOOR NO. 2 INSIDE HANDLE BEZEL RH



(a) Using a moulding remover, detach the 3 claws and remove the No.2 inside handle bezel RH as shown in the illustration.

3. REMOVE FRONT DOOR TRIM BOARD SUB-ASSEMBLY RH

(a) Detach the 4 claws and 2 door armrest caps.



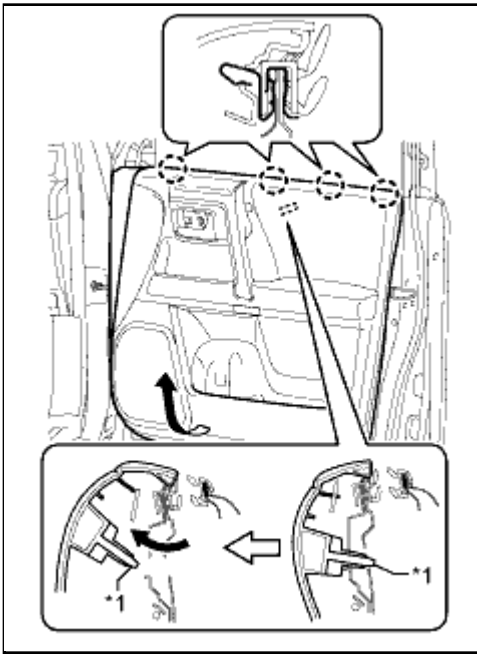
(b) Remove the 3 screws.

(c) Detach the 11 clips.

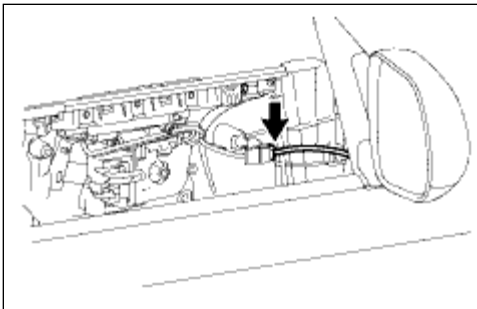
(d) Pull out the front door trim board sub-assembly RH in the direction indicated by the arrow as shown in the illustration.

Text in Illustration

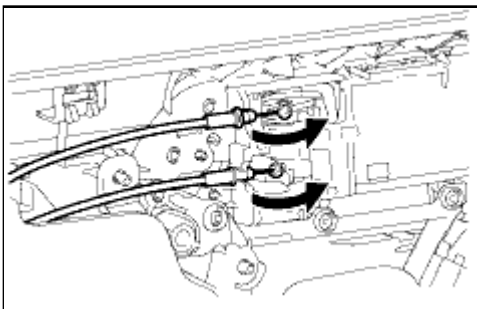
* 1	Reference Boss
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- (e) Raise the front door trim board sub-assembly RH to detach the 4 claws and remove the front door trim board sub-assembly RH together with the front door inner glass weatherstrip RH.



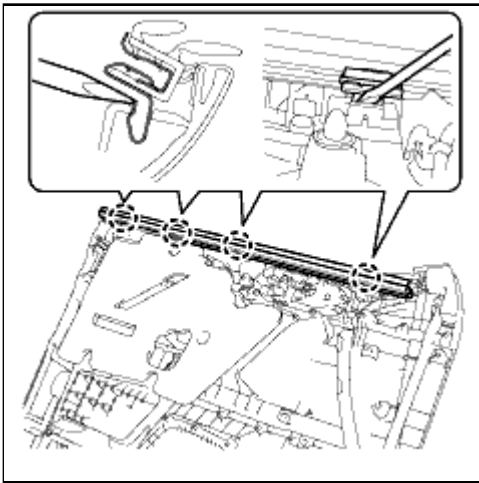
- (f) Disconnect the connector.



- (g) Disconnect the front door lock remote control cable assembly and front door inside locking cable assembly.

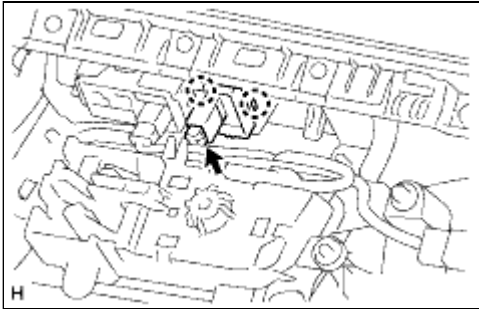
4. REMOVE FRONT DOOR INNER GLASS WEATHERSTRIP RH

- (a) Using a screwdriver, detach the 4 claws and remove the



front door inner glass weatherstrip RH from the front door trim board sub-assembly RH as shown in the illustration.

5. REMOVE DOOR CONTROL SWITCH ASSEMBLY



(a) Disconnect the door control switch connector.

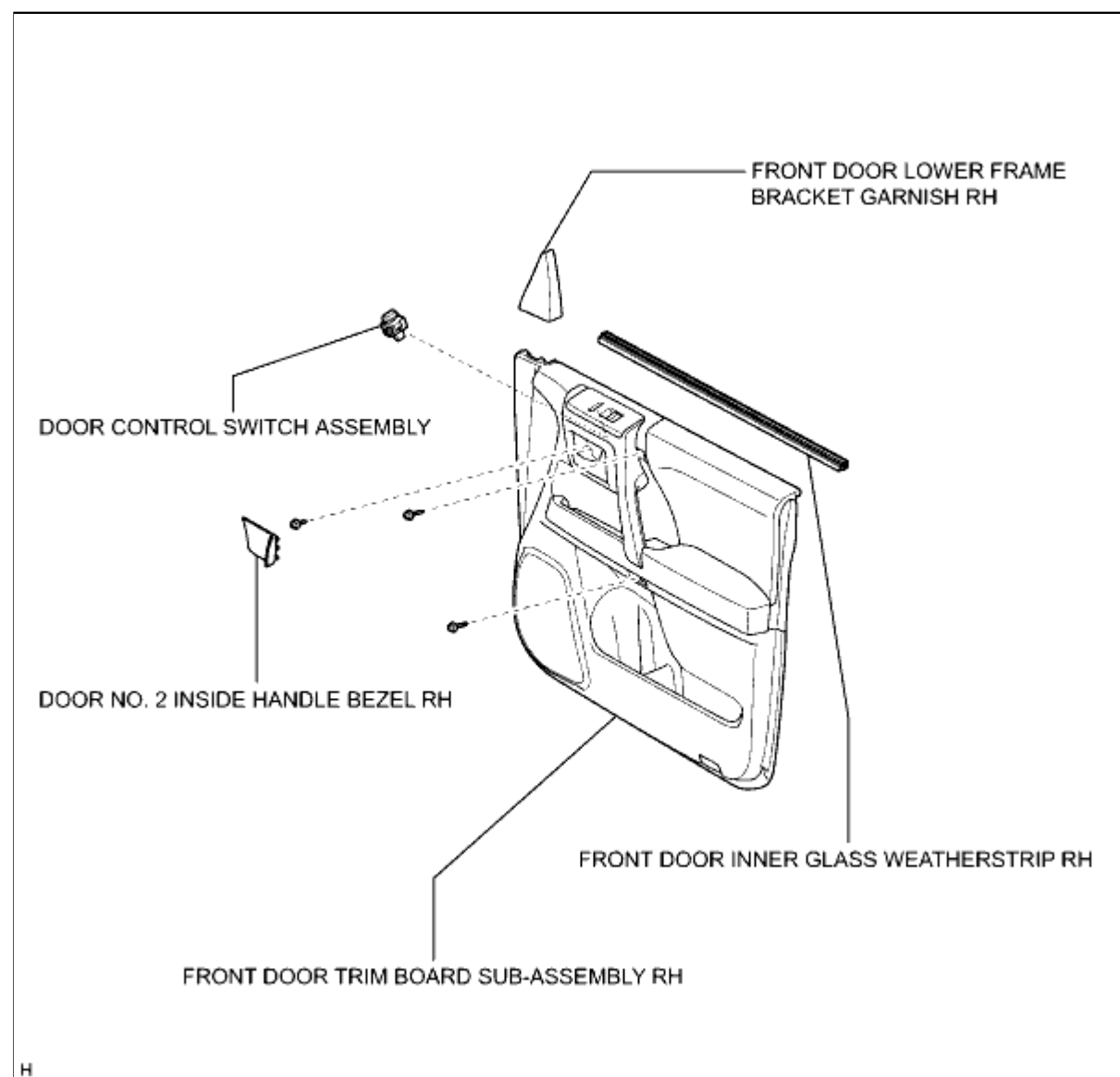
(b) Detach the 2 claws and remove the door control switch assembly.



Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003EXZ00GX
Title: DOOR LOCK: DOOR CONTROL SWITCH: COMPONENTS (2010 4Runner)		

COMPONENTS

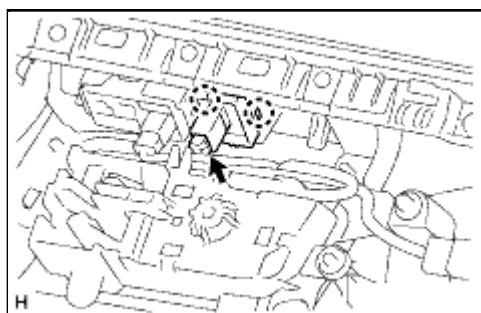
ILLUSTRATION



Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003EXY00HX
Title: DOOR LOCK: DOOR CONTROL SWITCH: INSTALLATION (2010 4Runner)		

INSTALLATION

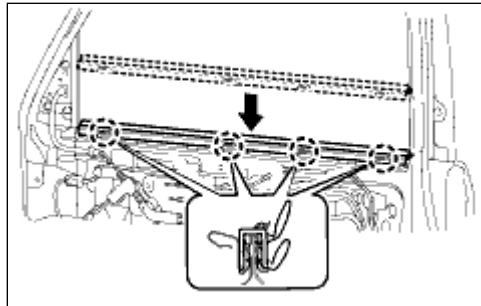
1. INSTALL DOOR CONTROL SWITCH ASSEMBLY



(a) Attach the 2 claws to install the door control switch assembly.

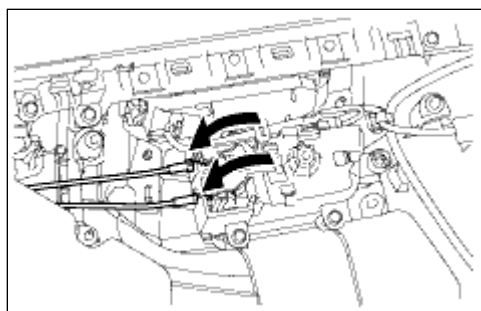
(b) Connect the door control switch connector.

2. INSTALL FRONT DOOR INNER GLASS WEATHERSTRIP RH

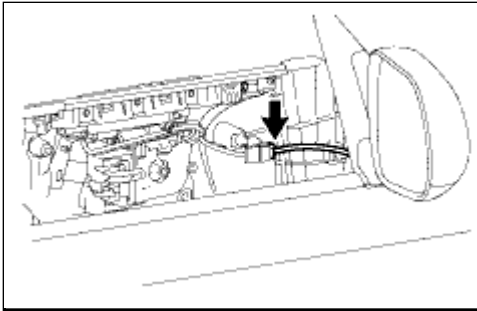


(a) Install the front door inner glass weatherstrip RH.

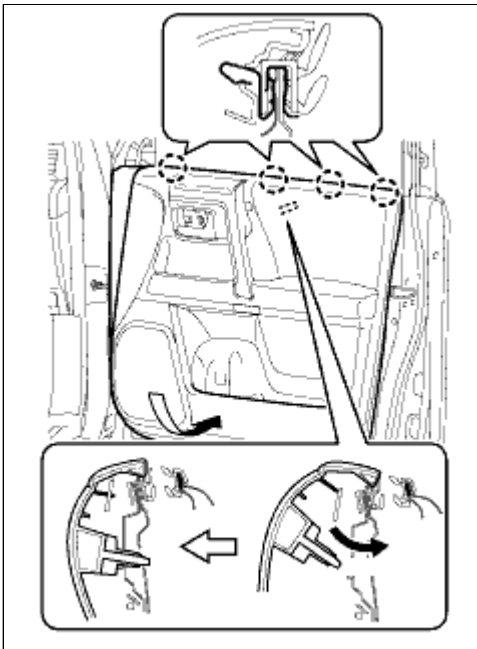
3. INSTALL FRONT DOOR TRIM BOARD SUB-ASSEMBLY RH



(a) Connect the front door lock remote control cable assembly and front door inside locking cable assembly.



(b) Connect the connector.



(c) Attach the front door trim board sub-assembly to the 4 claws of the front door inner glass as shown in the illustration.

(d) Attach the 11 clips to install the front door trim board sub-assembly RH.

(e) Install the 3 screws.

(f) Attach the 4 claws to install the 2 door armrest caps.

4. INSTALL DOOR NO. 2 INSIDE HANDLE BEZEL RH

(a) Attach the 3 claws to install the No.2 inside handle bezel RH.

5. INSTALL FRONT DOOR LOWER FRAME BRACKET GARNISH RH

(a) Attach the 2 clips to install the front door lower frame bracket garnish RH.

Last Modified: 5-10-2010	6.4 G	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000001P7V024X
Title: DOOR LOCK: DOOR CONTROL SWITCH: INSPECTION (2010 4Runner)		

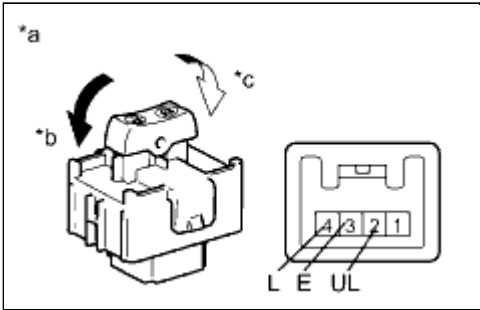
INSPECTION

1. INSPECT DOOR CONTROL SWITCH ASSEMBLY

(a) Measure the resistance according to the value(s) in the table below.

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
4 (L) - 3 (E)	Lock	Below 1 Ω
4 (L) - 3 (E)	Off	10 kΩ or higher
2 (UL) - 3 (E)	Unlock	Below 1 Ω
2 (UL) - 3 (E)	Off	10 kΩ or higher



If the result is not as specified, replace the door control switch assembly.

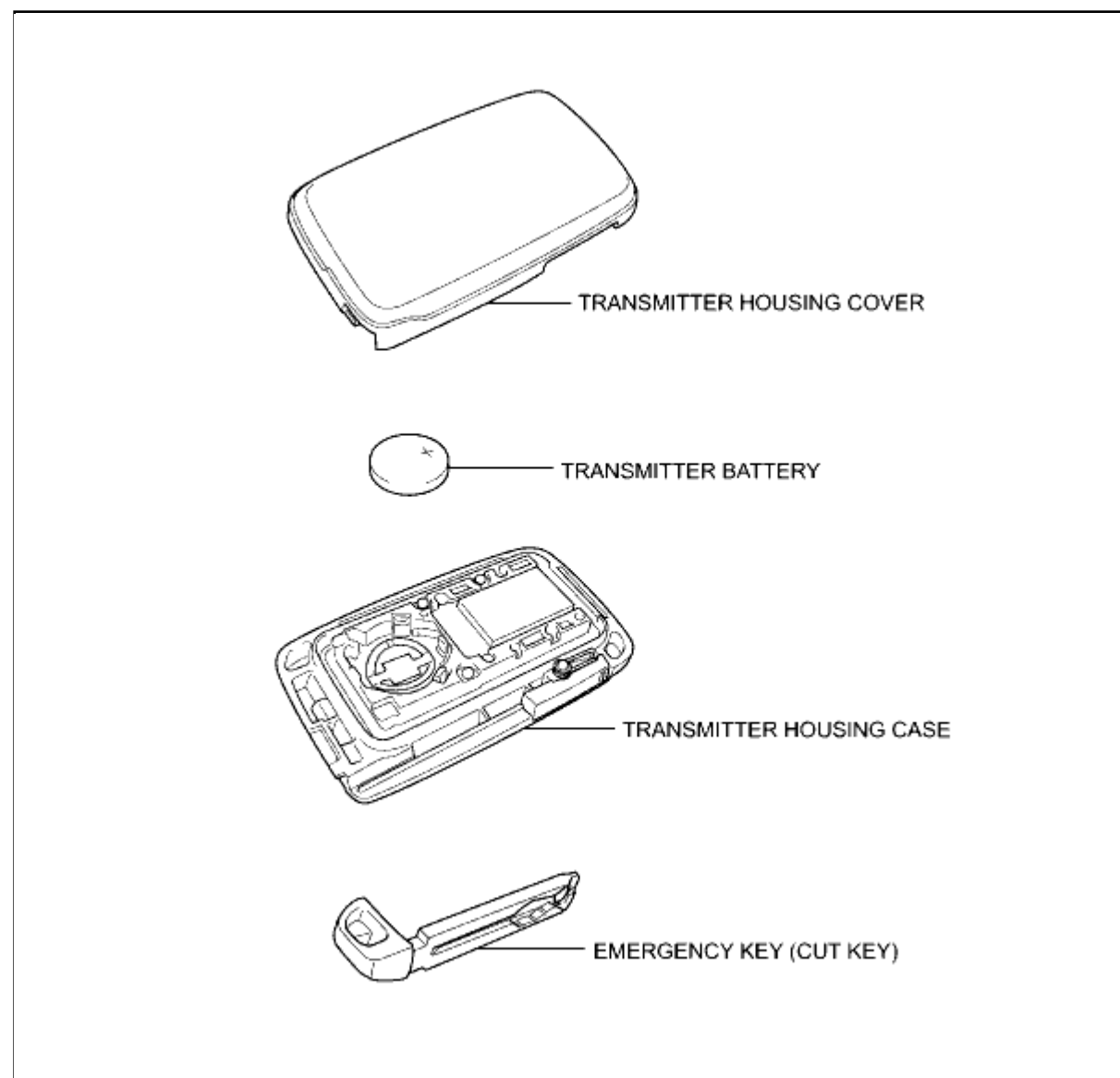
Text in Illustration

*a	Component without harness connected (Door Control Switch Assembly)
*b	Unlock
*c	Lock

Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM0000036BJ00IX
Title: DOOR LOCK: DOOR CONTROL TRANSMITTER (w/ Smart Key System): COMPONENTS (2010 4Runner)		

COMPONENTS

ILLUSTRATION




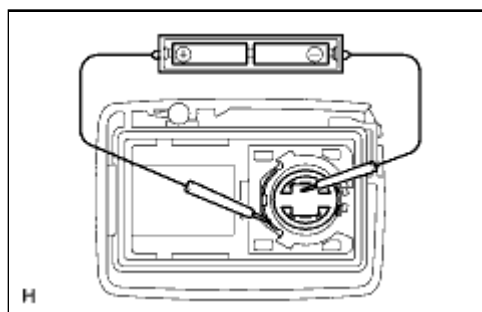
Last Modified: 5-10-2010	6.4 G	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM00000363X00LX
Title: DOOR LOCK: DOOR CONTROL TRANSMITTER (w/ Smart Key System): INSPECTION (2010 4Runner)		

INSPECTION

1. INSPECT TRANSMITTER BATTERY

(a) Inspect the operation of the transmitter.

(1) Remove the battery (lithium battery) from the transmitter  .



(2) Install a new or normal battery (lithium battery).

HINT:

If a new or normal battery is not available, first connect 2 new 1.5 V batteries in series. Then connect leads to the batteries and apply 3 V to the transmitter as shown in the illustration.

(3) From outside the vehicle, approximately 1 m (3.28 ft) away from the driver side outside door handle, test the transmitter by pointing its key plate at the vehicle and pressing a transmitter switch, or while carrying the transmitter, touch the inside of the handle and pull it.

OK:

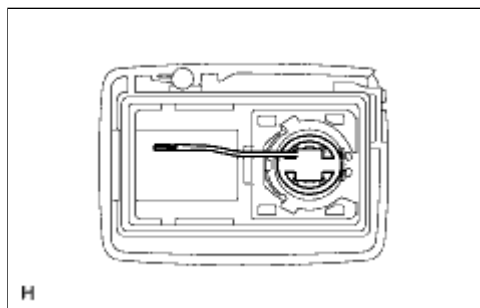
The door lock can be operated via the transmitter.


The LED comes on more than once.

HINT:

- The operational area differs depending on the user, the way the transmitter is held, and the location.
- The weak electric waves from the transmitter may be affected if the area has strong electric waves or noise. The transmitter operational area may be reduced or the transmitter may not function.

(b) Inspect the battery capacity.



(1) Remove the battery from an electrical key transmitter that does not operate  .

- (2) Attach a lead wire (0.6 mm (0.0236 in.) or less in diameter including wire sheath) with tape or equivalent to the negative terminal.

NOTICE:

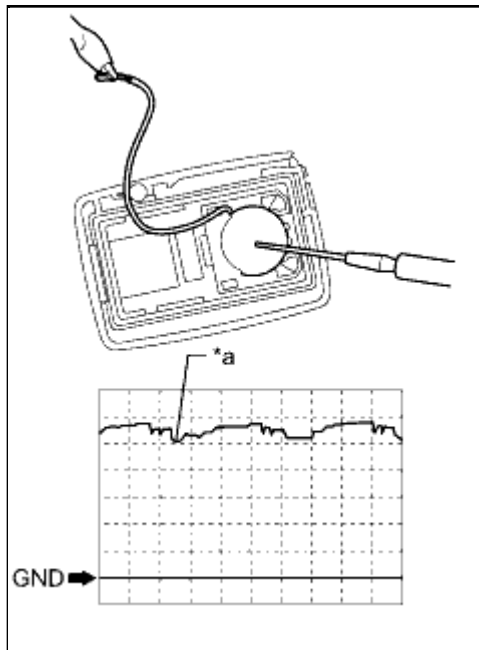
Do not wrap the lead wire around a terminal, wedge it between terminals, or solder it. A terminal may be deformed or damaged, and the battery will not be able to be installed correctly.

- (3) Carefully extend the lead wire from the position shown in the illustration and install the previously removed transmitter battery.

- (4) Using an oscilloscope, check the transmitter battery voltage waveform.

HINT:

When measuring the battery voltage, bring the electrical key transmitter within the smart key system operating range and operate the lock switch of a door handle to perform the measurement. For the smart key system operating range, refer to System Description



Standard Voltage:

TESTER CONNECTION	TOOL SETTING	CONDITION	SPECIFIED CONDITION
Battery positive (+) - Battery negative (-)	0.5 V/DIV., 100 ms/DIV.	Engine switch off, all doors closed and lock switch touched	2.2 to 3.2 V (Refer to waveform)

If the result is not as specified, replace the transmitter battery.

Text in Illustration

*a	Measurement Position
----	----------------------



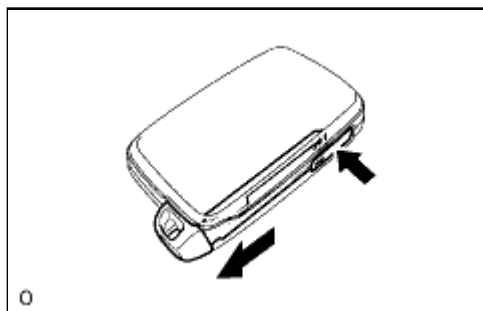
Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM00000363Z00TX
Title: DOOR LOCK: DOOR CONTROL TRANSMITTER (w/ Smart Key System): REMOVAL (2010 4Runner)		

REMOVAL

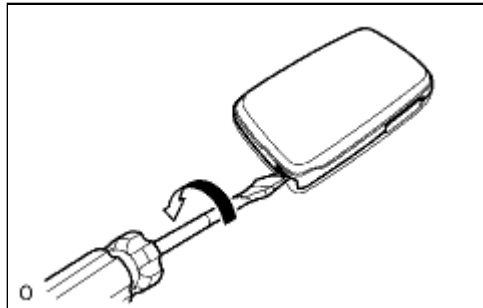
NOTICE:

Take extra care when handling these precision electronic components.

1. REMOVE TRANSMITTER BATTERY



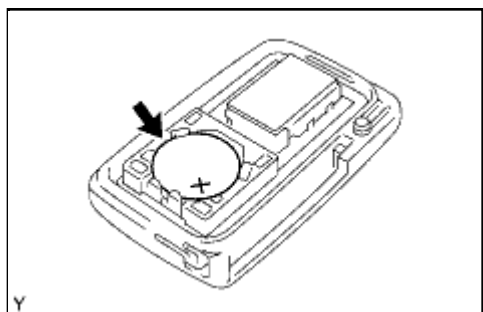
(a) Push the release hook knob and extract the emergency key.



(b) Insert a precision screwdriver into the gap and turn the screwdriver to detach the transmitter housing cover.

HINT:

Tape the screwdriver tip before use.



(c) Remove the battery (lithium battery: CR1632).

NOTICE:

- Do not push the terminals with your finger.
- Do not forcibly pry up the battery. The terminals may be damaged.
- Do not touch the battery with wet hands. Water may cause rust.
- Do not touch or move any components inside the transmitter. It may interfere with proper operation.



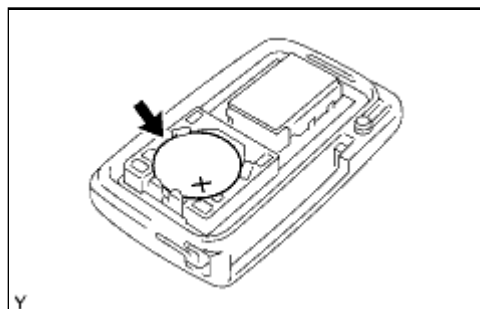
Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM00000363W00RX
Title: DOOR LOCK: DOOR CONTROL TRANSMITTER (w/ Smart Key System): INSTALLATION (2010 4Runner)		

INSTALLATION

NOTICE:

Take extra care when handling these precision electronic components.

1. INSTALL TRANSMITTER BATTERY



(a) Install the battery (lithium battery: CR1632) with the positive (+) side facing upward as shown in the illustration.

NOTICE:

- Do not bend the transmitter battery electrode during insertion.
- Keep the transmitter cover interior free of dust and oil.

(b) Install the transmitter housing cover.

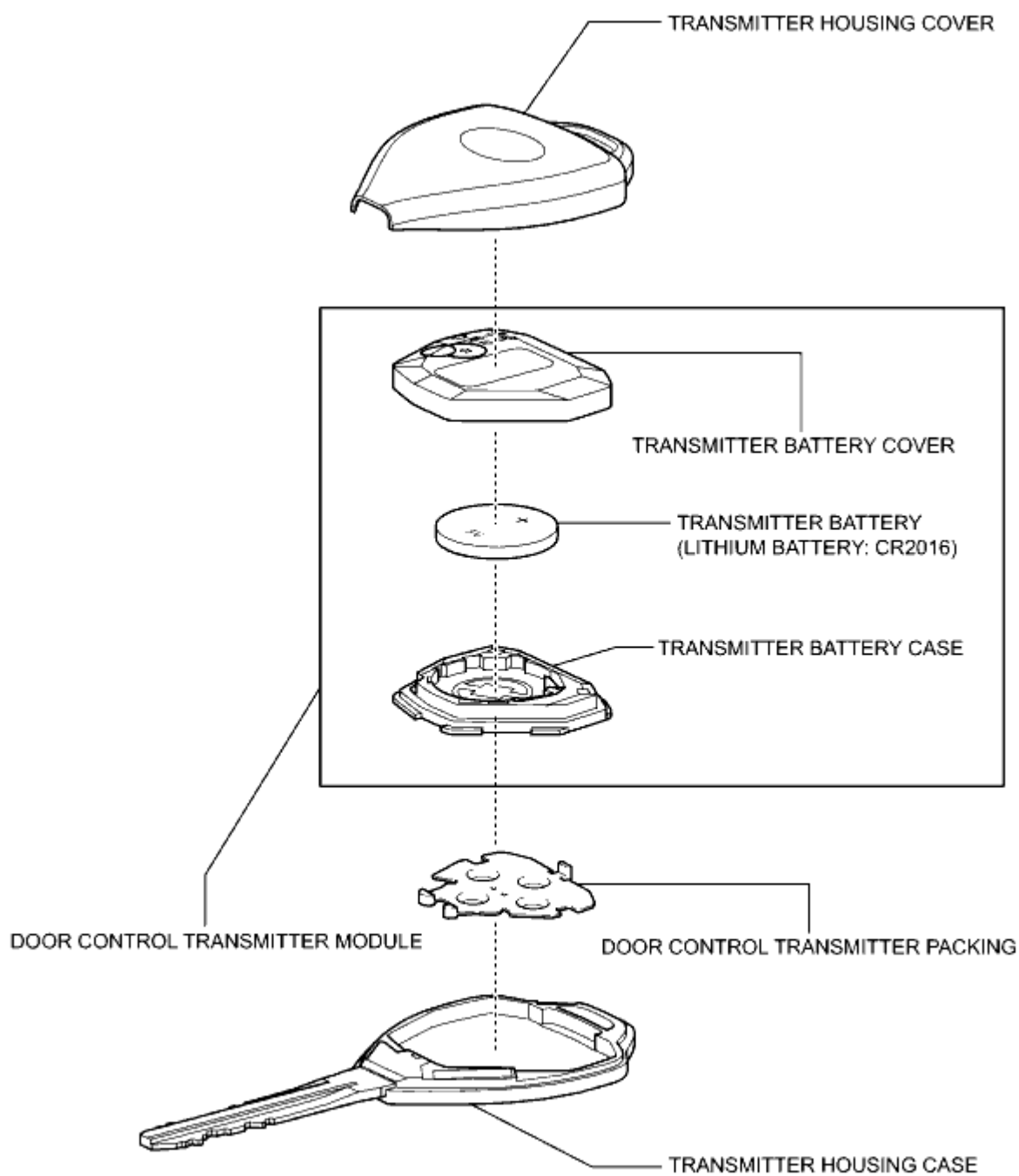
(c) Insert the emergency key into the transmitter.

(d) Press one of the transmitter switches and check that the LED illuminates.

Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM0000010WI00RX
Title: DOOR LOCK: DOOR CONTROL TRANSMITTER (w/o Smart Key System): COMPONENTS (2010 4Runner)		

COMPONENTS

ILLUSTRATION



H



TOYOTA

Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM0000010W900RX
Title: DOOR LOCK: DOOR CONTROL TRANSMITTER (w/o Smart Key System): REMOVAL (2010 4Runner)		

REMOVAL

NOTICE:

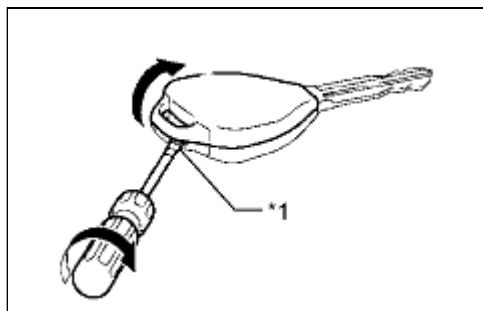
Take extra care when handling these precision electronic components.

1. REMOVE TRANSMITTER HOUSING COVER

NOTICE:

Take extra care when handling these precision electronic components.

(a) Twist a screwdriver in the direction of the arrow in the illustration and open the transmitter housing cover.



NOTICE:

Do not forcibly pry open the cover.

HINT:

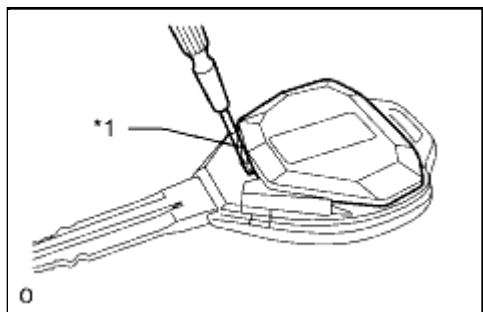
Tape the screwdriver tip before use.

Text in Illustration

*1	Protective Tape
----	-----------------

2. REMOVE DOOR CONTROL TRANSMITTER MODULE

(a) Using a precision screwdriver, remove the door control transmitter module.



HINT:

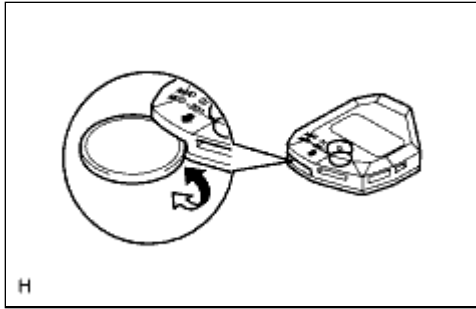
Tape the screwdriver tip before use.

Text in Illustration

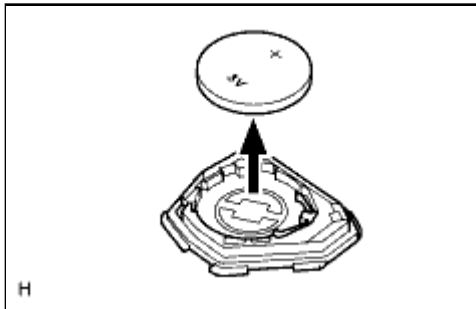
*1	Protective Tape
----	-----------------

3. REMOVE DOOR CONTROL TRANSMITTER PACKING

4. REMOVE TRANSMITTER BATTERY



(a) Twist a coin in the direction of the arrow in the illustration and remove the transmitter battery cover.



(b) Remove the battery (lithium battery: CR2016).

NOTICE:

- Do not push the terminals with your finger.
- Do not forcibly pry up the battery. The terminals may become damaged.
- Do not touch the battery with wet hands. Water may cause rust.
- Do not touch or move any components inside the transmitter. The transmitter may cease to work.




TOYOTA

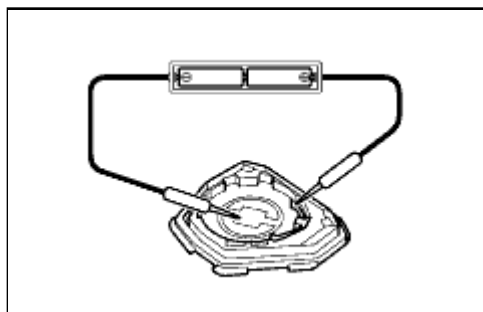
Last Modified: 5-10-2010	6.4 G	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM0000010DZ00UX
Title: DOOR LOCK: DOOR CONTROL TRANSMITTER (w/o Smart Key System): INSPECTION (2010 4Runner)		

INSPECTION

1. INSPECT DOOR CONTROL TRANSMITTER MODULE

(a) Inspect the operation of the transmitter.

(1) Remove the battery (lithium battery) from the transmitter  .



(2) Install a new or normal battery (lithium battery).

HINT:

When a new or normal battery is not available, first connect 2 new 1.5 V batteries in series. Then connect leads to the batteries and apply 3 V to the transmitter as shown in the illustration.

(3) From outside the vehicle, approximately 1 m (3.28 ft) from the driver side outside door handle, test the transmitter by pointing its key plate at the vehicle and pressing a transmitter switch.


OK:

The door lock can be operated via the transmitter.

The LED comes on more than once.

- The operational area differs depending on the user, the way the transmitter is held and the location.
- The weak electric waves from the transmitter may be affected if the area has strong electric waves or noise. The transmitter operational area may be reduced or the transmitter may not function.

(b) Inspect the battery capacity.

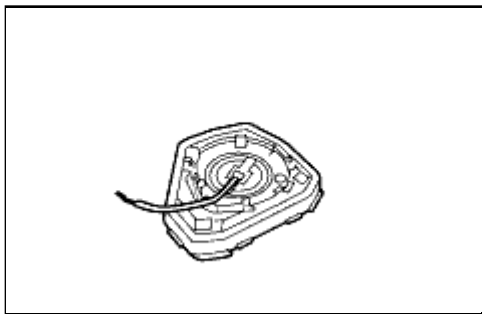
(1) Remove the battery from an transmitter that does not operate  .

(2) Attach a lead wire (0.6 mm (0.0236 in.) or less in diameter including wire sheath) with tape or equivalent to the negative terminal.

NOTICE:

Do not wrap the lead wire around a terminal, wedge it between the terminals or solder it. A terminal may be deformed or damaged, and the battery will not be able to be installed correctly.

(3) Carefully extend the lead wire out from the position shown in the illustration and install the previously removed transmitter battery.



(4) Using an oscilloscope, check the transmitter battery voltage waveform.

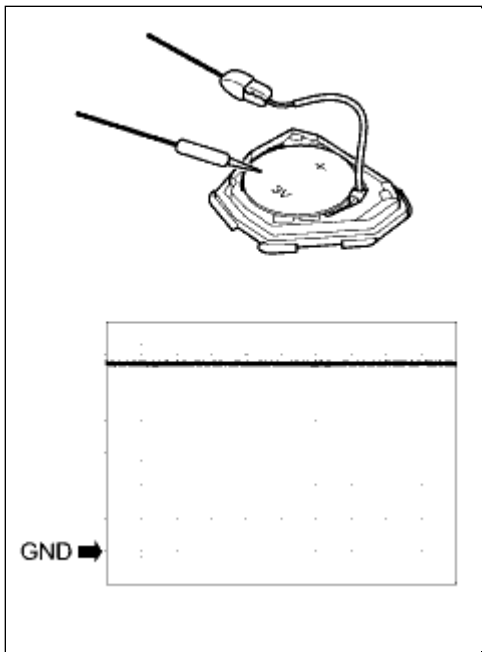
HINT:

Measure the transmitter battery voltage while pressing the lock or unlock switch on the transmitter.

Standard Voltage:

TESTER CONNECTION	TOOL SETTING	CONDITION	SPECIFIED CONDITION
Battery positive (+) - Battery negative (-)	0.5 V/DIV., 100 ms/DIV.	Ignition switch off, all doors closed and lock or unlock switch pushed	2.2 to 3.2 V (Refer to waveform)

If the result is not as specified, replace the transmitter battery.



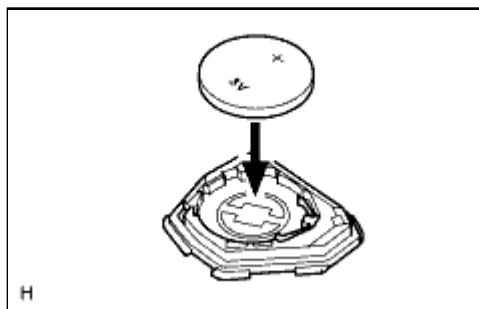
Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM0000010W800RX
Title: DOOR LOCK: DOOR CONTROL TRANSMITTER (w/o Smart Key System): INSTALLATION (2010 4Runner)		

INSTALLATION

NOTICE:

Take extra care when handling these precision electronic components.

1. INSTALL TRANSMITTER BATTERY



(a) Install the battery (lithium battery: CR2016) with the positive (+) side facing upward as shown in the illustration.

NOTICE:

- Be careful not to bend the transmitter battery electrode during insertion.
- Keep the transmitter cover interior free of dust and oil.

(b) Install the cover.

2. INSTALL DOOR CONTROL TRANSMITTER PACKING

3. INSTALL DOOR CONTROL TRANSMITTER MODULE

(a) Install the door control transmitter module.

4. INSTALL TRANSMITTER HOUSING COVER

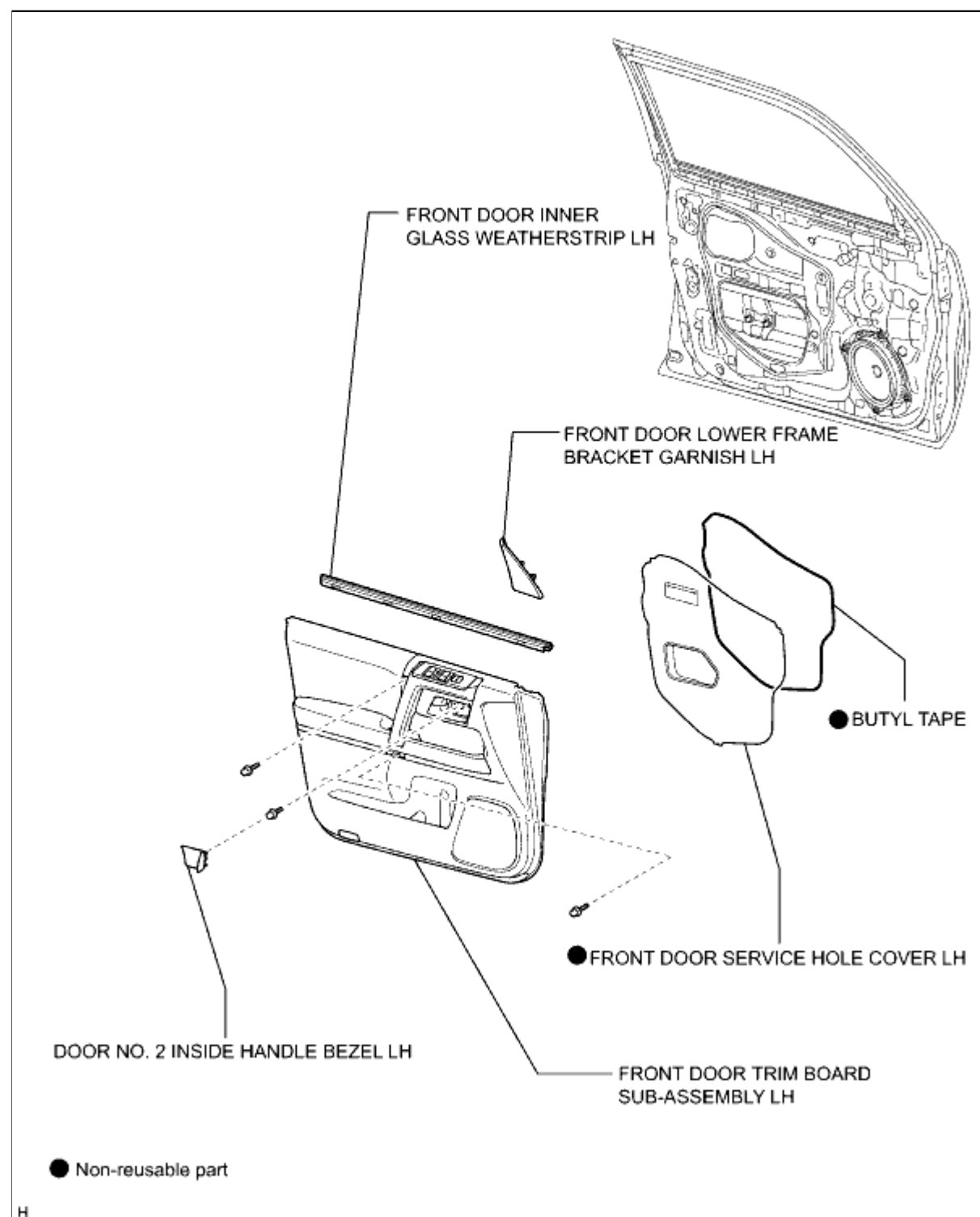
(a) Install the transmitter housing cover to the transmitter housing case.

(b) Check that the transmitter LED illuminates 3 times when a switch is pressed 3 times.

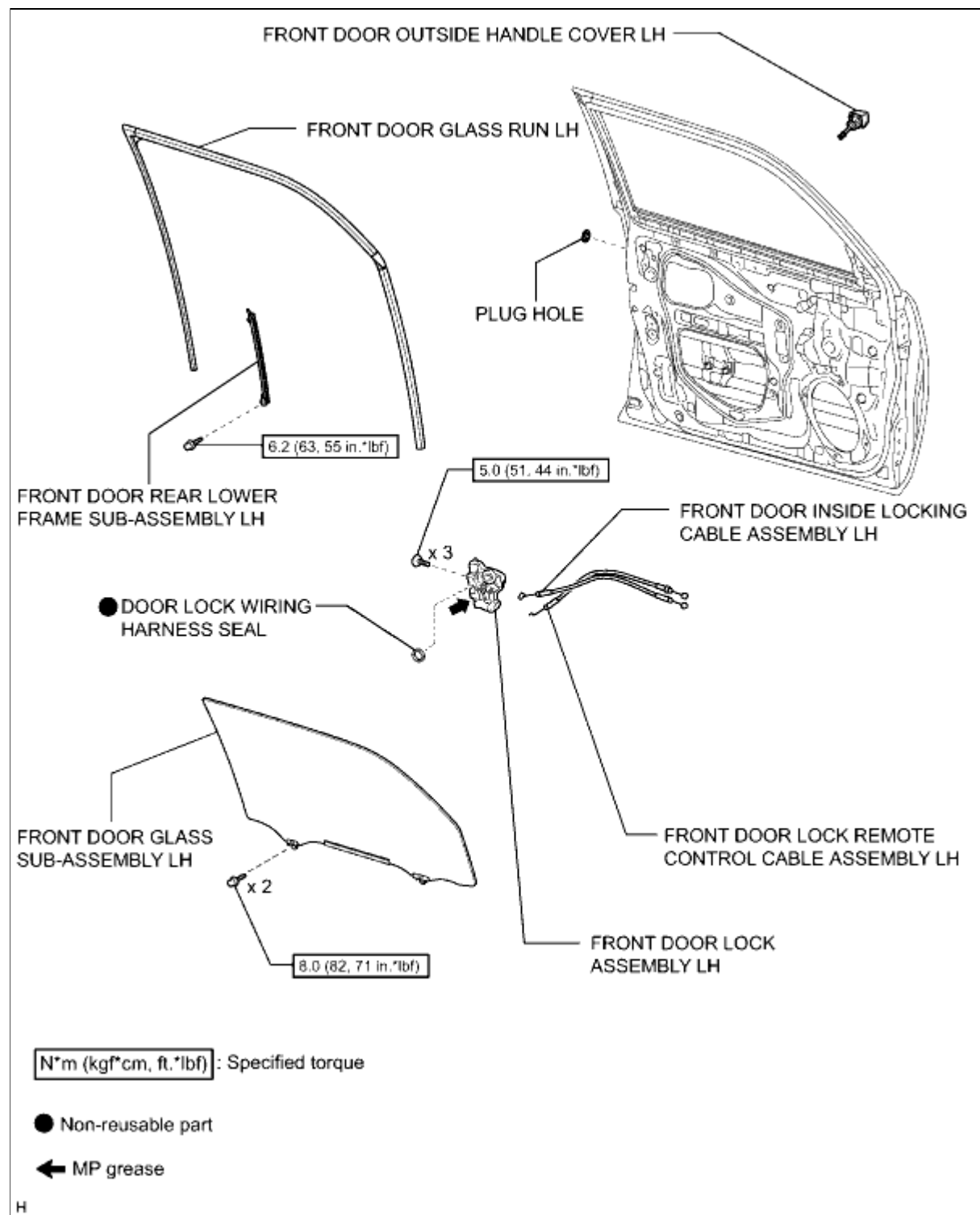
Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM0000039GZ00DX
Title: DOOR LOCK: FRONT DOOR LOCK: COMPONENTS (2010 4Runner)		

COMPONENTS

ILLUSTRATION



ILLUSTRATION



Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM0000039H000FX
Title: DOOR LOCK: FRONT DOOR LOCK: REMOVAL (2010 4Runner)		

REMOVAL

HINT:

- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.

NOTICE:

When disconnecting the cable, some systems need to be initialized after the cable is reconnected .

2. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH LH 

3. REMOVE DOOR NO. 2 INSIDE HANDLE BEZEL LH 

4. REMOVE FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH 

5. REMOVE FRONT DOOR INNER GLASS WEATHERSTRIP LH 

6. REMOVE FRONT DOOR SERVICE HOLE COVER LH 

7. REMOVE FRONT DOOR GLASS SUB-ASSEMBLY LH 

8. REMOVE FRONT DOOR GLASS RUN LH 

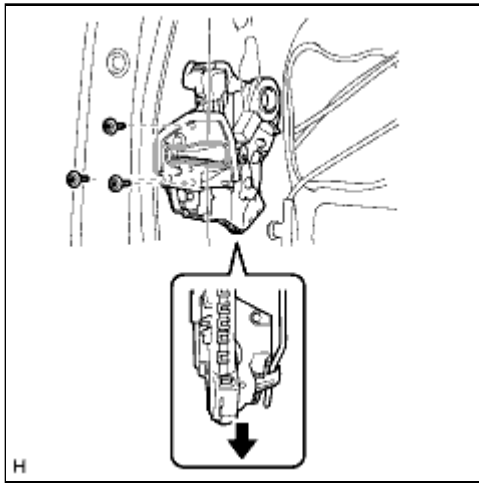
9. REMOVE FRONT DOOR REAR LOWER FRAME SUB-ASSEMBLY LH 

10. REMOVE FRONT DOOR OUTSIDE HANDLE COVER LH 

11. REMOVE FRONT DOOR LOCK ASSEMBLY LH

(a) Disconnect the connector.

(b) Using a T30 "TORX" wrench, remove the 3 screws.



- (c) Slide the front door lock assembly downward, pull out the front door lock open rod from the outside handle frame, and remove the front door lock assembly and cables as a unit.
- (d) Remove the front door lock open rod from the front door lock assembly.
- (e) Remove the door lock wiring harness seal from the front door lock assembly.

12. REMOVE FRONT DOOR LOCK REMOTE CONTROL CABLE ASSEMBLY LH [INFO](#)

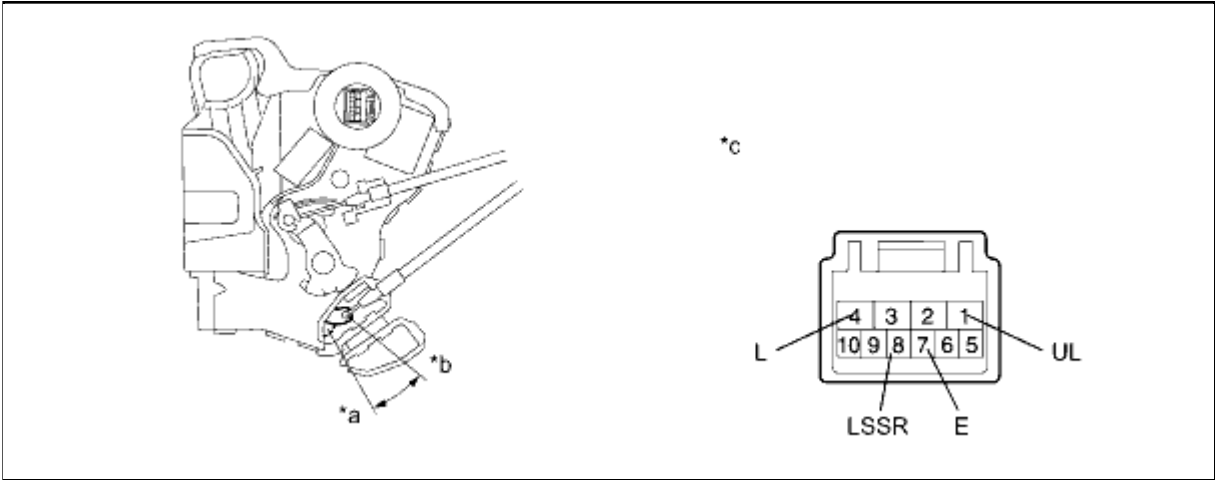
13. REMOVE FRONT DOOR INSIDE LOCKING CABLE ASSEMBLY LH [INFO](#)

Last Modified: 5-10-2010	6.4 G	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000001Y7Y01KX
Title: DOOR LOCK: FRONT DOOR LOCK: INSPECTION (2010 4Runner)		

INSPECTION

1. INSPECT FRONT DOOR LOCK ASSEMBLY LH

- (a) Check the door lock motor operation.
- (1) Apply battery voltage to the motor connector and check the operation of the door lock.



Text in Illustration

*a	Lock	*b	Unlock
*c	Component without harness connected (Front Door Lock Assembly LH)	-	-

OK:

MEASUREMENT CONDITION	SPECIFIED CONDITION
Battery positive (+) → 4 (L) Battery negative (-) → 1 (UL)	Lock
Battery positive (+) → 1 (UL) Battery negative (-) → 4 (L)	Unlock

If the result is not as specified, replace the front door lock assembly.

- (b) Check the detection switch.
- (1) Measure the resistance according to the value(s) in the table below.
- Standard Resistance:

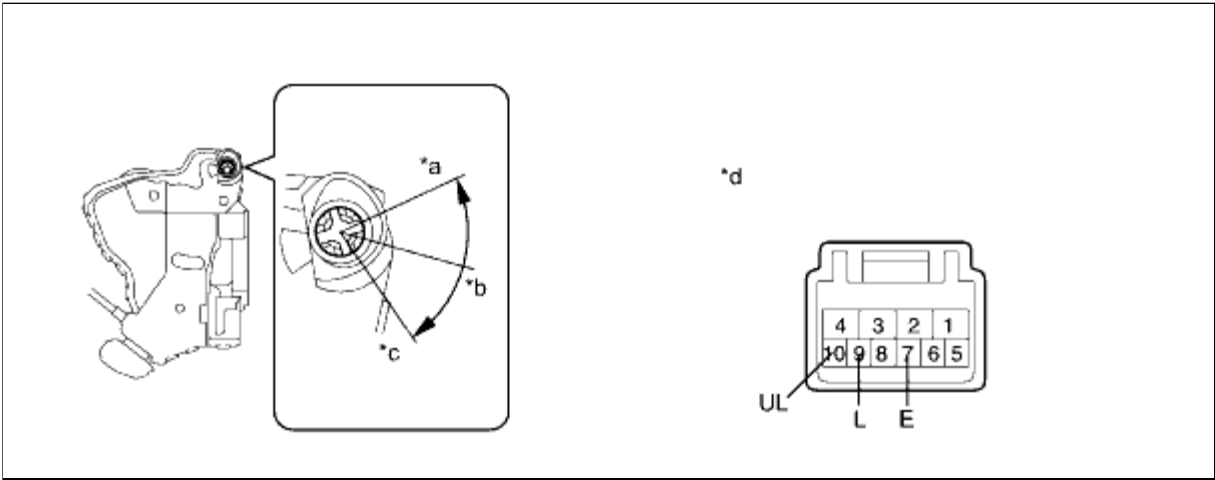
TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION
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TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION
8 (LSSR) - 7 (E)	Lock	10 kΩ or higher
8 (LSSR) - 7 (E)	Unlock	Below 1 Ω

If the result is not as specified, replace the front door lock assembly.

(c) Check the door lock and unlock switch.

(1) Measure the resistance according to the value(s) in the table below.



Text in Illustration

*a	Lock	*b	Off
*c	Unlock	*d	Component without harness connected (Front Door Lock Assembly LH)

Standard Resistance:

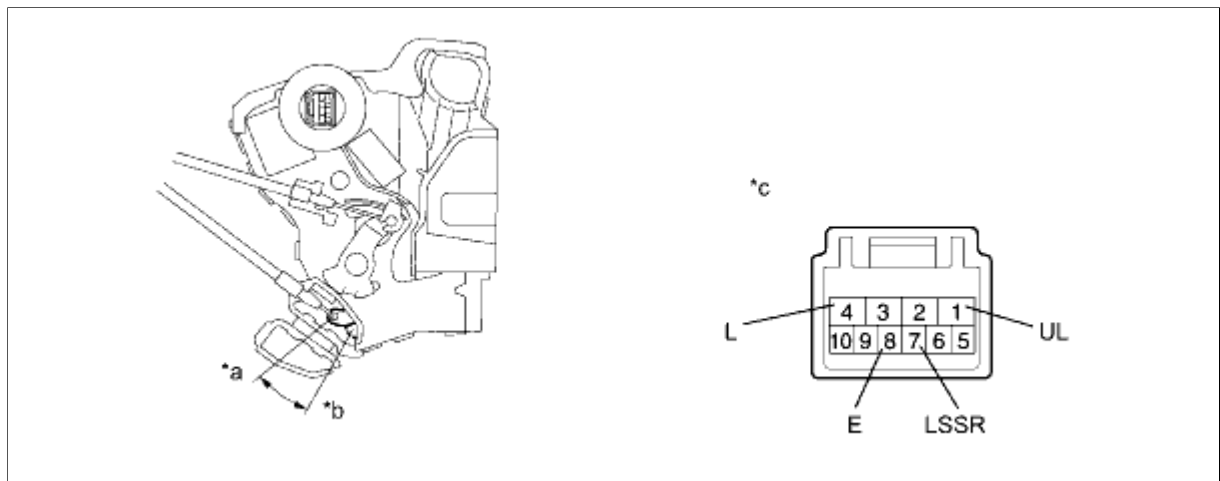
TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION
9 (L) - 7 (E)	Lock	Below 1 Ω
9 (L) - 7 (E) 10 (UL) - 7 (E)	Off	10 kΩ or higher
10 (UL) - 7 (E)	Unlock	Below 1 Ω

If the result is not as specified, replace the front door lock assembly.

2. INSPECT FRONT DOOR LOCK ASSEMBLY RH

(a) Check the door lock motor operation.

(1) Apply battery voltage to the door lock motor connector and check the operation of the door lock.



Text in Illustration

*a	Unlock	*b	Lock
*c	Component without harness connected (Front Door Lock Assembly RH)	-	-

OK:

MEASUREMENT CONDITION	SPECIFIED CONDITION
Battery positive (+) → 4 (L) Battery negative (-) → 1 (UL)	Lock
Battery positive (+) → 1 (UL) Battery negative (-) → 4 (L)	Unlock

If the result is not as specified, replace the front door lock assembly.

(b) Check the detection switch.

(1) Measure the resistance according to the value(s) in the table below.

Standard Resistance:

TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION
7 (LSSR) - 8 (E)	Lock	10 kΩ or higher
7 (LSSR) - 8 (E)	Unlock	Below 1 Ω

If the result is not as specified, replace the front door lock assembly.

Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM0000039GX00FX
Title: DOOR LOCK: FRONT DOOR LOCK: INSTALLATION (2010 4Runner)		

INSTALLATION

HINT:

- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.

1. INSTALL FRONT DOOR INSIDE LOCKING CABLE ASSEMBLY LH



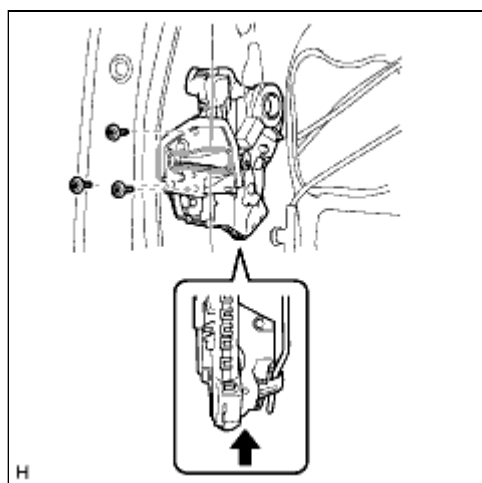
2. INSTALL FRONT DOOR LOCK REMOTE CONTROL CABLE ASSEMBLY LH



3. INSTALL FRONT DOOR LOCK ASSEMBLY LH

NOTICE:

- When reusing the removed front door lock assembly, replace the door lock wiring harness seal on the connector with a new one.
- Do not allow grease or dust to adhere to the surface of the connector which contacts the door lock wiring harness seal.
- Reusing the door lock wiring harness seal or using a damaged door lock wiring harness seal may allow water to enter into the connection. This may result in a malfunction of the front door lock assembly.



- Apply MP grease to the sliding parts of the front door lock assembly.
- Install a new door lock wiring harness seal to the front door lock assembly.
- Insert the front door lock open rod into the front door lock assembly.
- Check that the front door lock open rod is securely connected to the front door lock assembly.
- Using a T30 "TORX" wrench, install the front door lock assembly with the 3 screws.

Torque: 5.0 N·m (51 kgf·cm, 44in·lbf)

- Connect the connector.

4. INSTALL FRONT DOOR OUTSIDE HANDLE COVER LH



5. INSTALL FRONT DOOR REAR LOWER FRAME SUB-ASSEMBLY LH



6. INSTALL FRONT DOOR GLASS RUN LH



7. INSTALL FRONT DOOR GLASS SUB-ASSEMBLY LH

INFO

8. INSTALL FRONT DOOR SERVICE HOLE COVER LH

INFO

9. INSTALL FRONT DOOR INNER GLASS WEATHERSTRIP LH

INFO

10. INSTALL FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH

INFO

11. INSTALL DOOR NO. 2 INSIDE HANDLE BEZEL LH

INFO

12. INSTALL FRONT DOOR LOWER FRAME BRACKET GARNISH LH

INFO

13. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

NOTICE:

When disconnecting the cable, some systems need to be initialized after the cable is reconnected

INFO

14. CHECK SRS WARNING LIGHT

(a) Check the SRS warning light

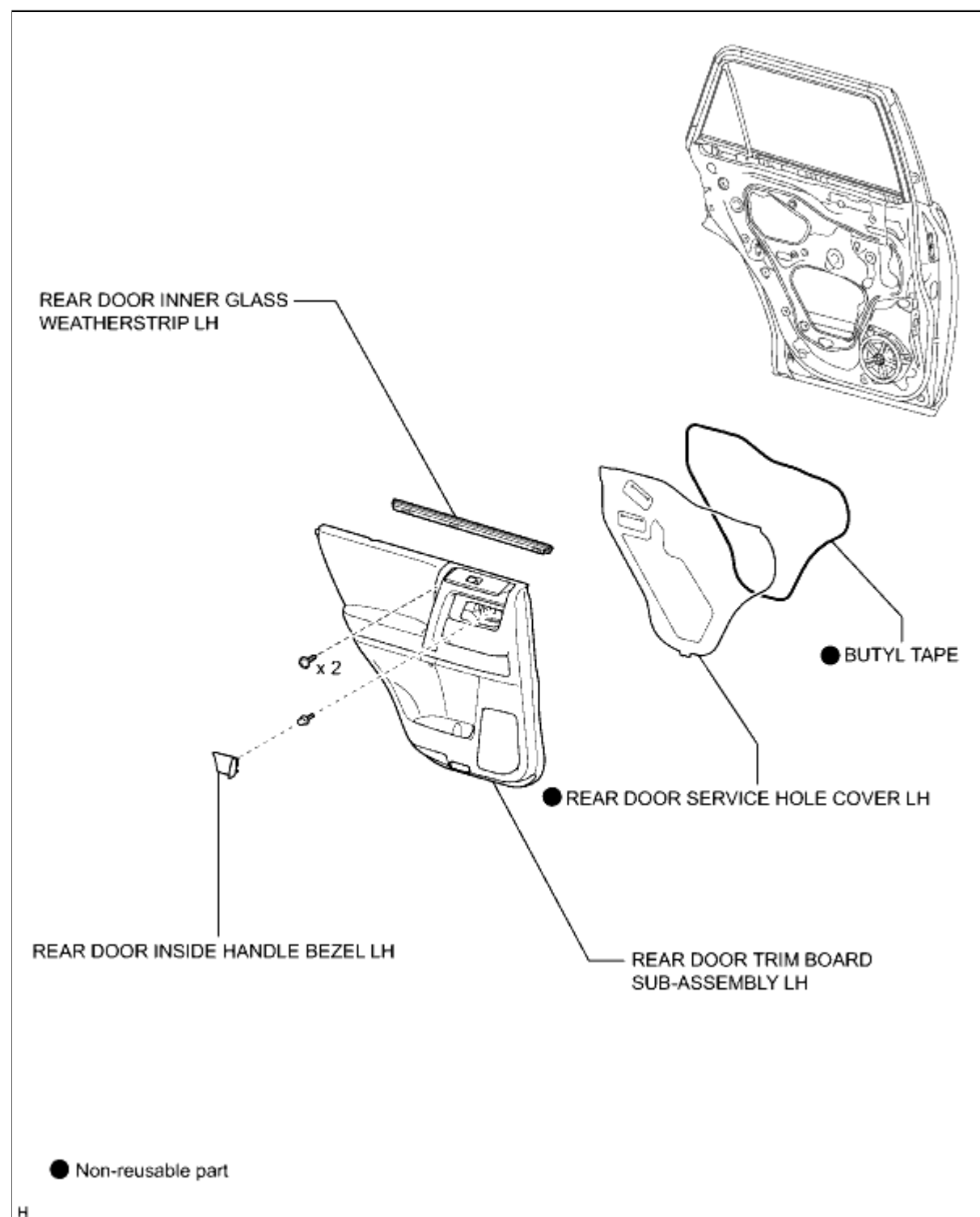
INFO



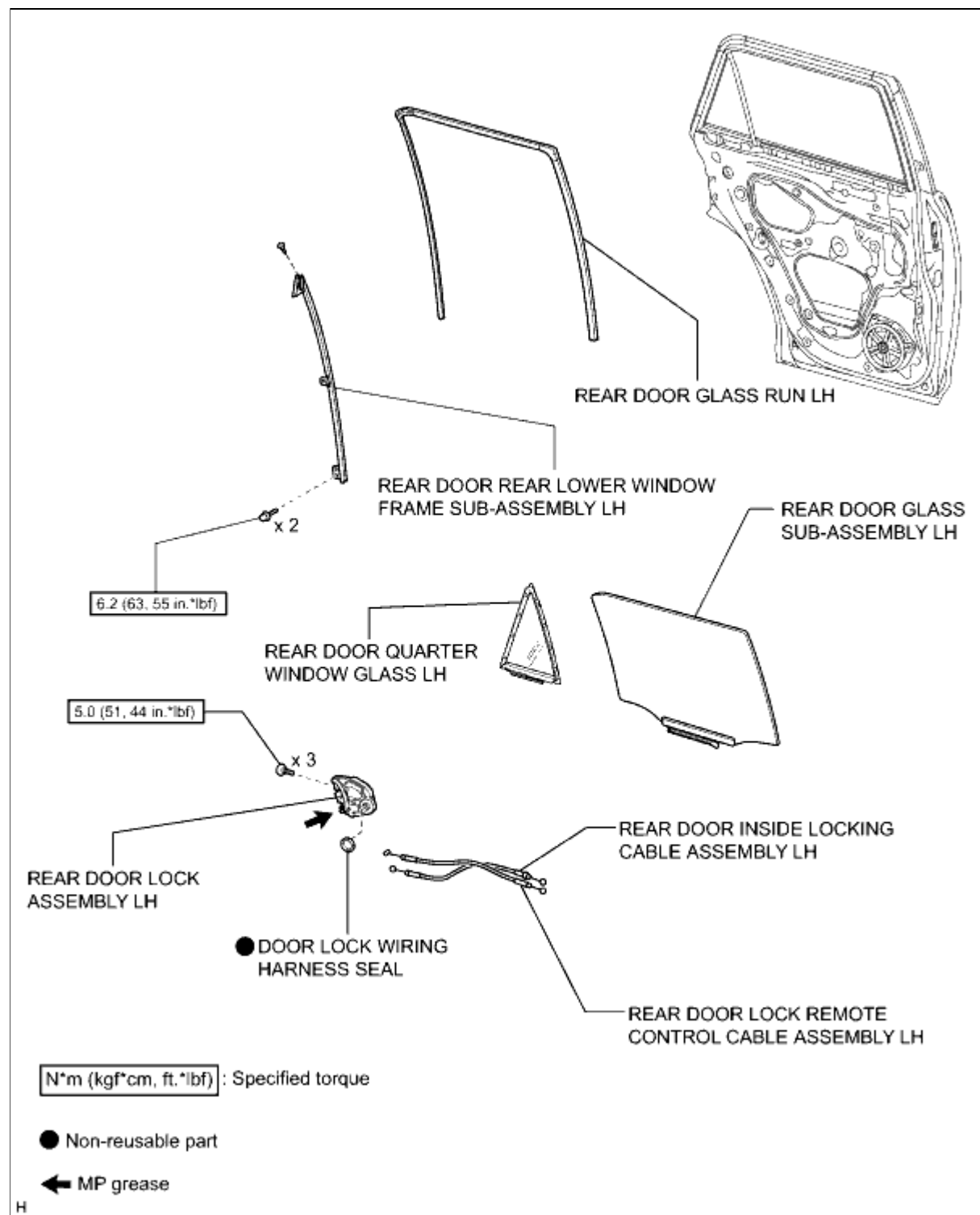
Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002Y9Y00SX
Title: DOOR LOCK: REAR DOOR LOCK: COMPONENTS (2010 4Runner)		

COMPONENTS

ILLUSTRATION



ILLUSTRATION



Last Modified: 5-10-2010	6.4 G	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000001Y7Z01LX
Title: DOOR LOCK: REAR DOOR LOCK: INSPECTION (2010 4Runner)		

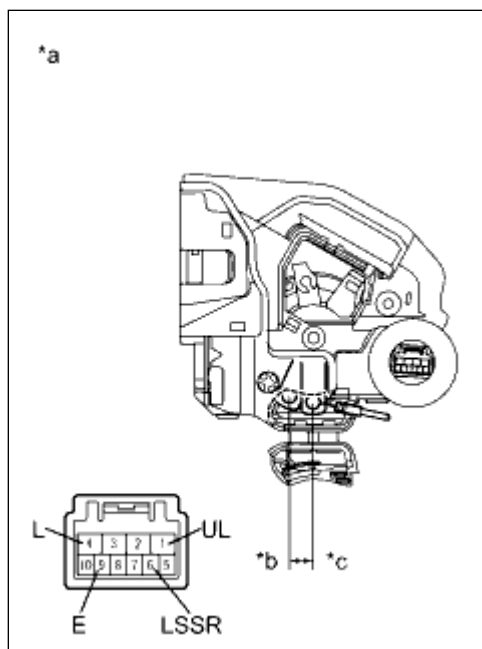
INSPECTION

1. INSPECT REAR DOOR LOCK ASSEMBLY LH

(a) Check the door lock motor operation.

(1) Apply battery voltage to the door lock motor and check the operation of the door lock motor.

OK:



MEASUREMENT CONDITION	SPECIFIED CONDITION
Battery positive (+) → 4 (L) Battery negative (-) → 1 (UL)	Lock
Battery positive (+) → 1 (UL) Battery negative (-) → 4 (L)	Unlock

If the result is not as specified, replace the rear door lock assembly.

Text in Illustration

*a	Component without harness connected (Rear Door Lock Assembly LH)
*b	Lock
*c	Unlock

(b) Check the detection switch.

(1) Measure the resistance according to the value(s) in the table below.

Standard Resistance:

TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION
6 (LSSR) - 9 (E)	Lock	10 kΩ or higher
6 (LSSR) - 9 (E)	Unlock	Below 1 Ω

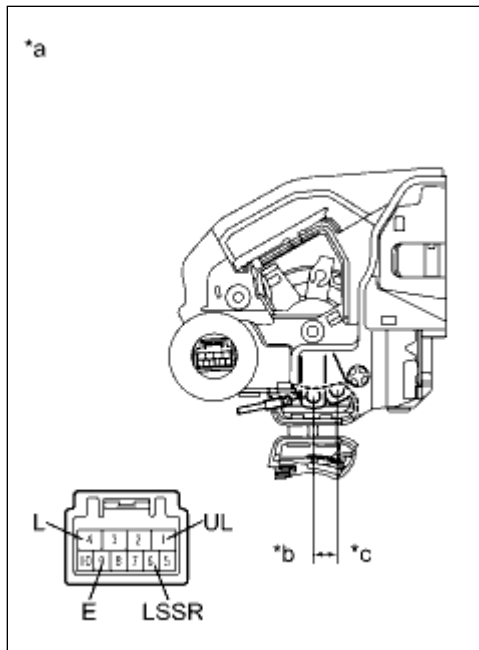
If the result is not as specified, replace the rear door lock assembly.

2. INSPECT REAR DOOR LOCK ASSEMBLY RH

(a) Check the door lock motor operation.

- (1) Apply battery voltage to the door lock motor and check the operation of the door lock motor.

OK:



MEASUREMENT CONDITION	SPECIFIED CONDITION
Battery positive (+) → 4 (L) Battery negative (-) → 1 (UL)	Lock
Battery positive (+) → 1 (UL) Battery negative (-) → 4 (L)	Unlock

If the result is not as specified, replace the rear door lock assembly.

Text in Illustration

*a	Component without harness connected (Rear Door Lock Assembly RH)
*b	Unlock
*c	Lock

- (b) Check the detection switch.

- (1) Measure the resistance according to the value(s) in the table below.

Standard Resistance:

TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION
6 (LSSR) - 9 (E)	Lock	10 k Ω or higher
6 (LSSR) - 9 (E)	Unlock	Below 1 Ω

If the result is not as specified, replace the rear door lock assembly.

Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002Y9Z00UX
Title: DOOR LOCK: REAR DOOR LOCK: REMOVAL (2010 4Runner)		

REMOVAL

HINT:

- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

NOTICE:

When disconnecting the cable, some systems need to be initialized after the cable is reconnected .

2. REMOVE REAR DOOR INSIDE HANDLE BEZEL LH

3. REMOVE REAR DOOR TRIM BOARD SUB-ASSEMBLY LH

4. REMOVE REAR DOOR INNER GLASS WEATHERSTRIP LH

5. REMOVE REAR DOOR SERVICE HOLE COVER LH

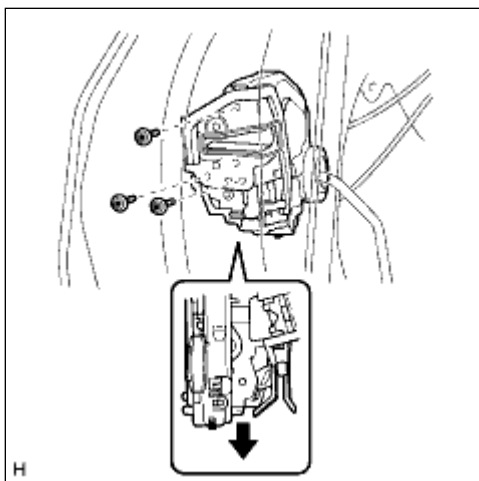
6. REMOVE REAR DOOR GLASS RUN LH

7. REMOVE REAR DOOR REAR LOWER WINDOW FRAME SUB-ASSEMBLY LH

8. REMOVE REAR DOOR QUARTER WINDOW GLASS LH

9. REMOVE REAR DOOR GLASS SUB-ASSEMBLY LH

10. REMOVE REAR DOOR LOCK ASSEMBLY LH



(a) Using a T30 "TORX" wrench, remove the 3 screws.

(b) Move the rear door lock assembly downward, pull the release plate out of the rear door outside handle frame, and remove the rear door lock assembly and cables as a unit.

(c) Remove the door lock wiring harness seal from the rear door lock assembly.

11. REMOVE REAR DOOR LOCK REMOTE CONTROL CABLE ASSEMBLY LH

INFO

12. REMOVE REAR DOOR INSIDE LOCKING CABLE ASSEMBLY LH

INFO



TOYOTA

Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002Y9X00UX
Title: DOOR LOCK: REAR DOOR LOCK: INSTALLATION (2010 4Runner)		

INSTALLATION

HINT:

- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.

1. INSTALL REAR DOOR INSIDE LOCKING CABLE ASSEMBLY LH INFO

2. INSTALL REAR DOOR LOCK REMOTE CONTROL CABLE ASSEMBLY LH INFO

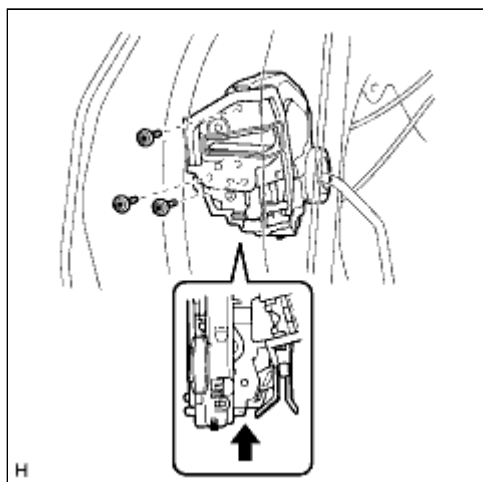
3. INSTALL REAR DOOR LOCK ASSEMBLY LH

NOTICE:

- When reusing the removed rear door lock assembly, replace the door lock wiring harness seal on the connector with a new one.
- Do not allow grease or dust to adhere to the surface of the connector which contacts the door lock wiring harness seal.
- Reusing the door lock wiring harness seal or using a damaged door lock wiring harness seal may allow water to enter into the connection. This may result in a malfunction of the rear door lock assembly.

(a) Apply MP grease to the sliding parts of the rear door lock assembly.

(b) Install a new door lock wiring harness seal to the rear door lock assembly.



(c) Insert the rear door lock assembly into the rear door outside handle release plate, and set it in place on the rear door panel.

(d) Check that the rear door outside handle frame release plate is securely connected to the rear door lock assembly.

(e) Using a T30 "TORX" wrench, install the rear door lock assembly with the 3 screws.

Torque: 5.0 N·m (51 kgf·cm, 44in·lbf)

4. INSTALL REAR DOOR GLASS SUB-ASSEMBLY LH INFO

5. INSTALL REAR DOOR QUARTER WINDOW GLASS LH 

6. INSTALL REAR DOOR REAR LOWER WINDOW FRAME SUB-ASSEMBLY LH 

7. INSTALL REAR DOOR GLASS RUN LH 

8. INSTALL REAR DOOR SERVICE HOLE COVER LH 

9. INSTALL REAR DOOR INNER GLASS WEATHERSTRIP LH 

10. INSTALL REAR DOOR TRIM BOARD SUB-ASSEMBLY LH 

11. INSTALL REAR DOOR INSIDE HANDLE BEZEL LH 

12. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

NOTICE:

When disconnecting the cable, some systems need to be initialized after the cable is reconnected  .



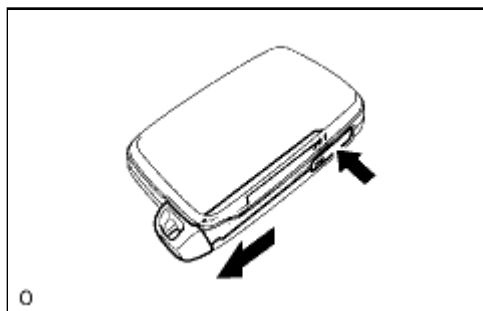
Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM0000039HF00JX
Title: DOOR LOCK: TRANSMITTER BATTERY (w/ Smart Key System): REPLACEMENT (2010 4Runner)		

REPLACEMENT

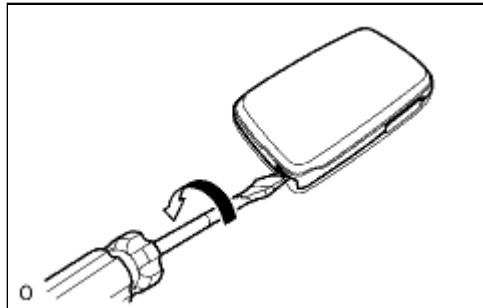
NOTICE:

Take extra care when handling these precision electronic components.

1. REMOVE TRANSMITTER BATTERY



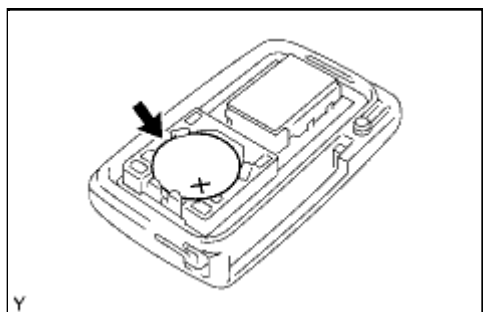
(a) Push the release hook knob and extract the emergency key.



(b) Insert a precision screwdriver into the gap and turn the screwdriver to detach the transmitter housing cover.

HINT:

Tape the screwdriver tip before use.

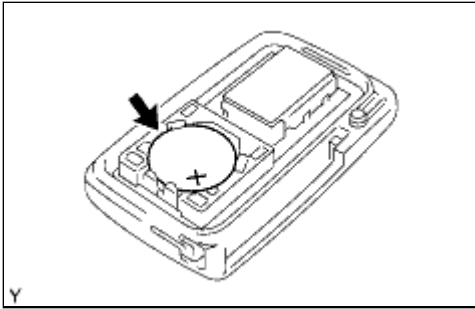


(c) Remove the battery (lithium battery: CR1632).

NOTICE:

- Do not push the terminals with your finger.
- Do not forcibly pry up the battery. The terminals may be damaged.
- Do not touch the battery with wet hands. Water may cause rust.
- Do not touch or move any components inside the transmitter. It may interfere with proper operation.

2. INSTALL TRANSMITTER BATTERY



(a) Install a new battery (lithium battery: CR1632) with the positive (+) side facing upward as shown in the illustration.

NOTICE:

- Do not bend the transmitter battery electrode during insertion.
- Keep the transmitter cover interior free of dust and oil.

(b) Install the transmitter housing cover.

(c) Insert the emergency key into the transmitter.

(d) Press one of the transmitter switches and check that the LED illuminates.



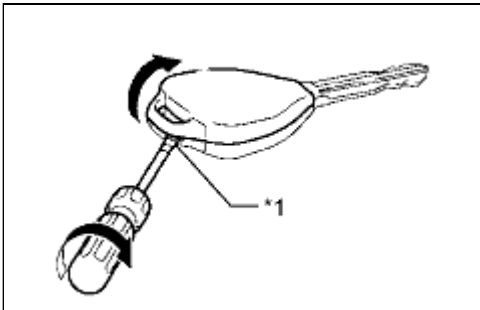
Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003ZV3001X
Title: DOOR LOCK: TRANSMITTER BATTERY (w/o Smart Key System): REPLACEMENT (2010 4Runner)		

REPLACEMENT

NOTICE:
Take extra care when handling these precision electronic components.

1. REMOVE TRANSMITTER HOUSING COVER

(a) Twist a screwdriver in the direction of the arrow in the illustration and remove the transmitter housing cover.



NOTICE:
Do not forcibly pry open the cover.

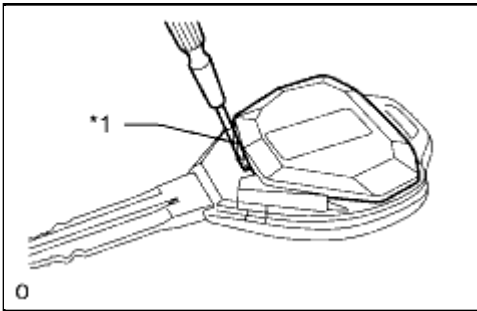
HINT:
Tape the screwdriver tip before use.

Text in Illustration

* 1	Protective Tape
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2. REMOVE DOOR CONTROL TRANSMITTER MODULE

(a) Using a precision screwdriver, remove the door control transmitter module.



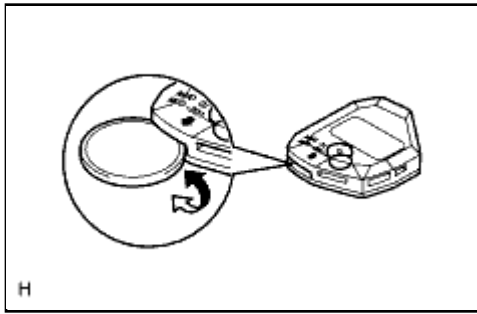
HINT:
Tape the screwdriver tip before use.

Text in Illustration

* 1	Protective Tape
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3. REMOVE TRANSMITTER BATTERY

(a) Twist a coin in the direction of the arrow in the illustration and remove the transmitter battery cover.

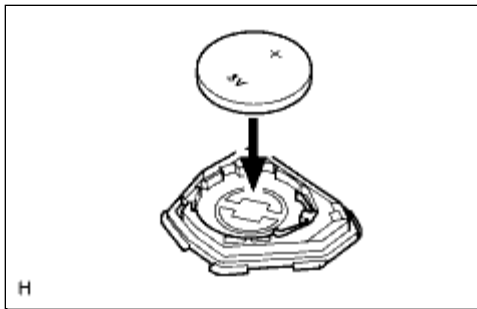


(b) Remove the battery (lithium battery: CR2016).

NOTICE:

- Do not push the terminals with your finger.
- Do not forcibly pry up the battery. The terminals may become damaged.
- Do not touch the battery with wet hands. Water may cause rust.
- Do not touch or move any components inside the transmitter. The transmitter may cease to work.

4. INSTALL TRANSMITTER BATTERY



(a) Install a new battery (lithium battery: CR2016) with the positive (+) side facing upward as shown in the illustration.

NOTICE:

- Be careful not to bend the transmitter battery electrode during insertion.
- Keep the transmitter cover interior free of dust and oil.

(b) Install the cover.

5. INSTALL DOOR CONTROL TRANSMITTER MODULE

(a) Install the door control transmitter module.

6. INSTALL TRANSMITTER HOUSING COVER

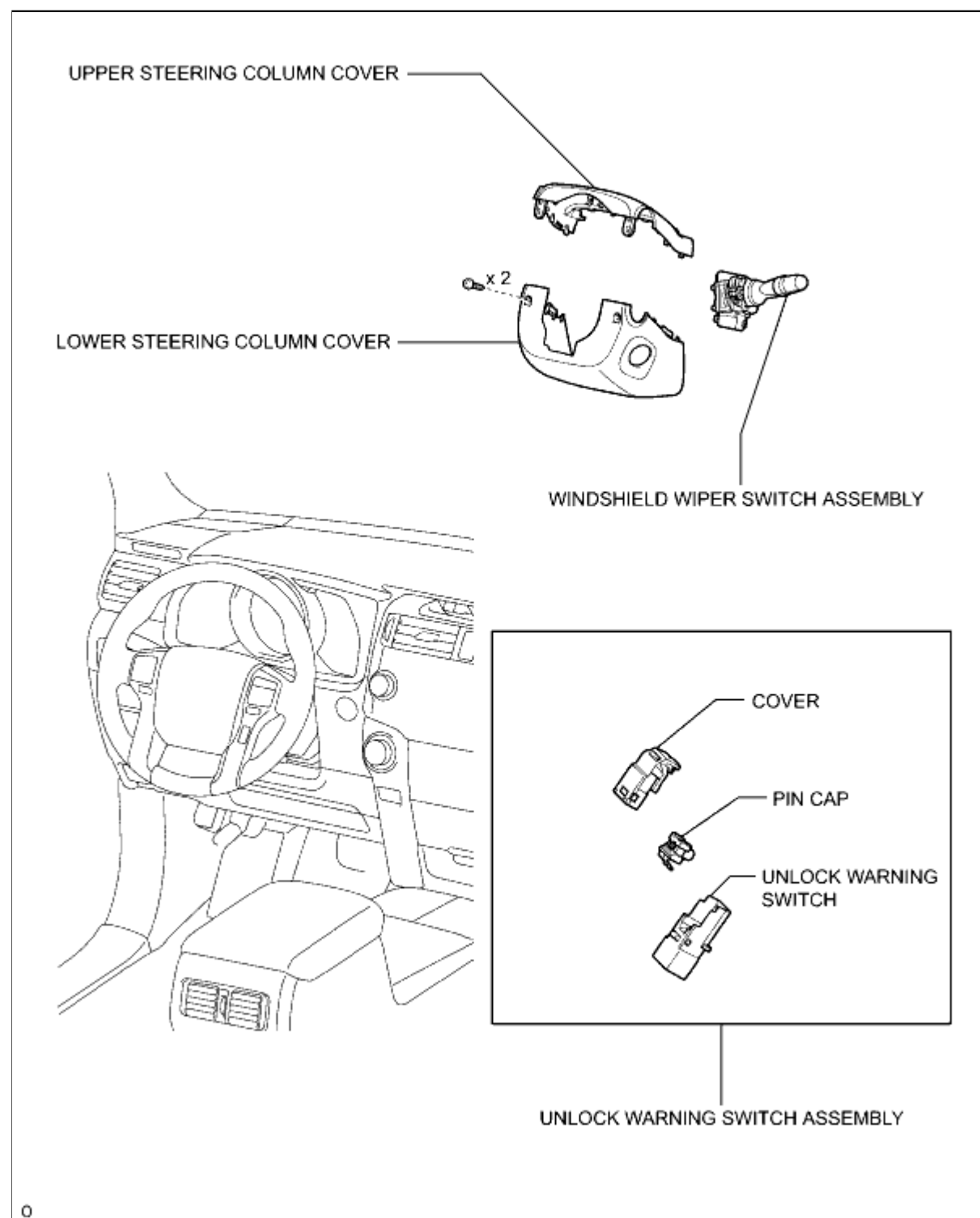
(a) Install the transmitter housing cover to the transmitter housing case.

(b) Check that the transmitter LED illuminates 3 times when a switch is pressed 3 times.

Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM0000044IY002X
Title: DOOR LOCK: UNLOCK WARNING SWITCH: COMPONENTS (2010 4Runner)		

COMPONENTS

ILLUSTRATION



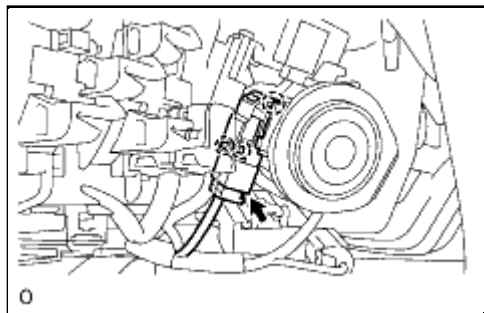


TOYOTA

Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002ZQ600EX
Title: DOOR LOCK: UNLOCK WARNING SWITCH: REMOVAL (2010 4Runner)		

REMOVAL

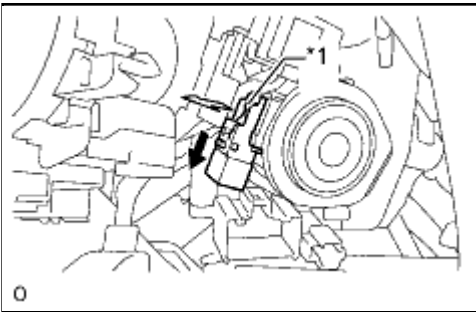
1. REMOVE LOWER STEERING COLUMN COVER
2. REMOVE UPPER STEERING COLUMN COVER
3. REMOVE WINDSHIELD WIPER SWITCH ASSEMBLY
4. REMOVE UNLOCK WARNING SWITCH ASSEMBLY



(a) Disconnect the unlock warning switch connector.

(b) Detach the 3 claws and remove the cover.

(c) Remove the pin cap.



Text in Illustration

* 1	Pin Cap
	Slide

(d) Remove the unlock warning switch.

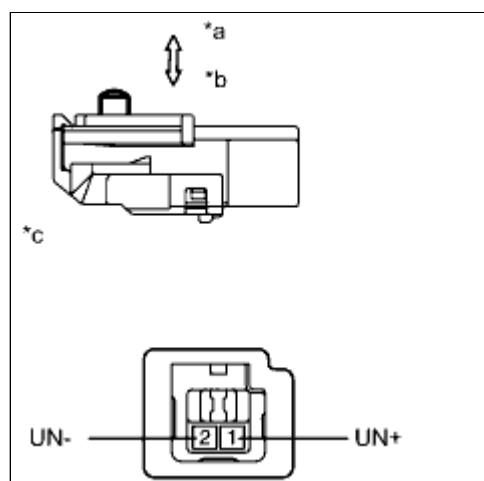
Last Modified: 5-10-2010	6.4 G	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002ZQ400FX
Title: DOOR LOCK: UNLOCK WARNING SWITCH: INSPECTION (2010 4Runner)		

INSPECTION

1. INSPECT UNLOCK WARNING SWITCH ASSEMBLY

(a) Measure the resistance according to the value(s) in the table below.

Standard Resistance:



TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION
1 (UN+) - 2 (UN-)	Not pushed	10 k Ω or higher
	Pushed	Below 1 Ω

If the result is not as specified, replace the unlock warning switch assembly.

Text in Illustration

*a	Not pushed
*b	Pushed
*c	Component without harness connected (Unlock Warning Switch Assembly)

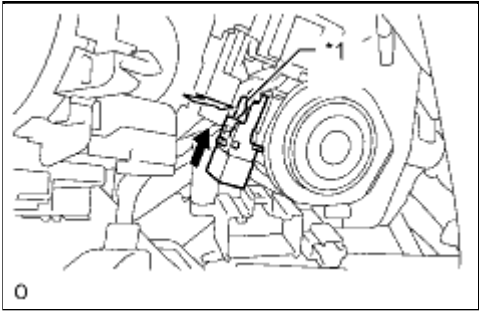
Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002ZQ300EX
Title: DOOR LOCK: UNLOCK WARNING SWITCH: INSTALLATION (2010 4Runner)		

INSTALLATION


1. INSTALL UNLOCK WARNING SWITCH ASSEMBLY

(a) If reusing the unlock warning switch assembly:

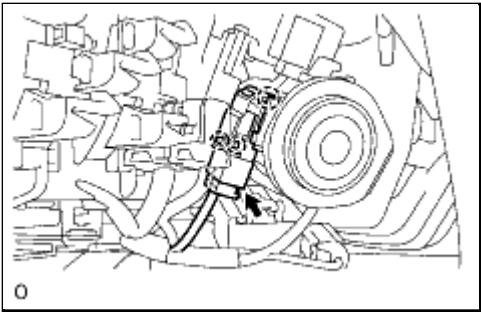
- (1) Install the unlock warning switch.



Text in Illustration

* 1	Pin Cap
	Slide

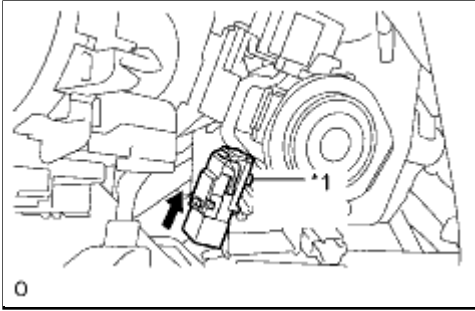
- (2) Install the pin cap.



- (3) Connect the unlock warning switch connector.

- (4) Attach the 3 claws to install the cover.

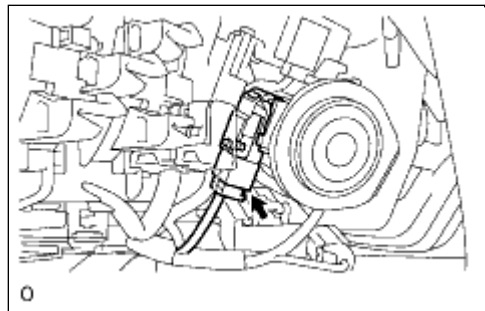
(b) If replacing the unlock warning switch assembly:



(1) While pushing the pin, slide the unlock warning switch to install it.

Text in Illustration

* 1	Pin
	Slide



(2) Connect the unlock warning switch connector.

2. INSTALL WINDSHIELD WIPER SWITCH ASSEMBLY [INFO](#)

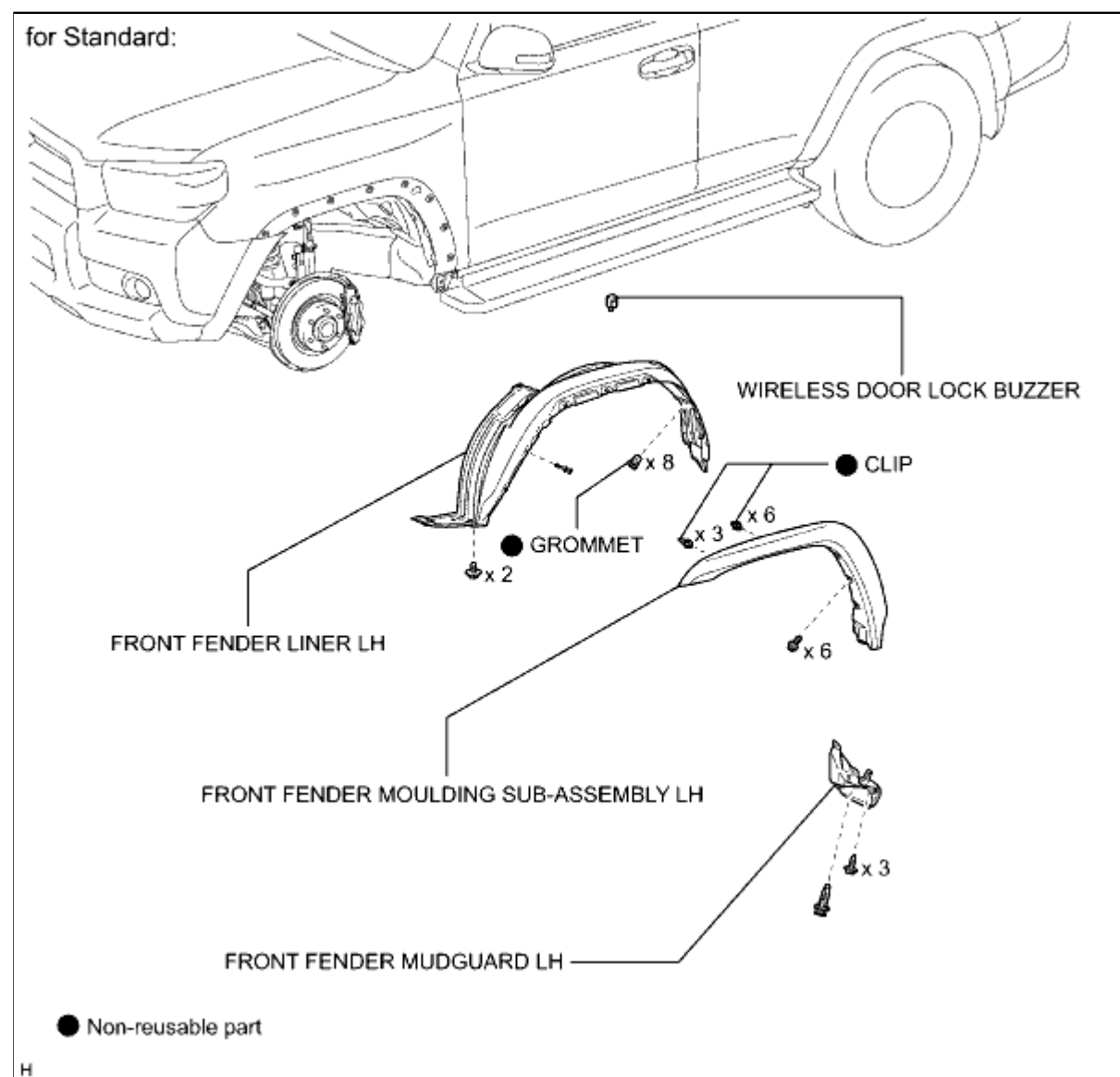
3. INSTALL UPPER STEERING COLUMN COVER [INFO](#)

4. INSTALL LOWER STEERING COLUMN COVER [INFO](#)

Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002XKV000X
Title: DOOR LOCK: WIRELESS DOOR LOCK BUZZER: COMPONENTS (2010 4Runner)		

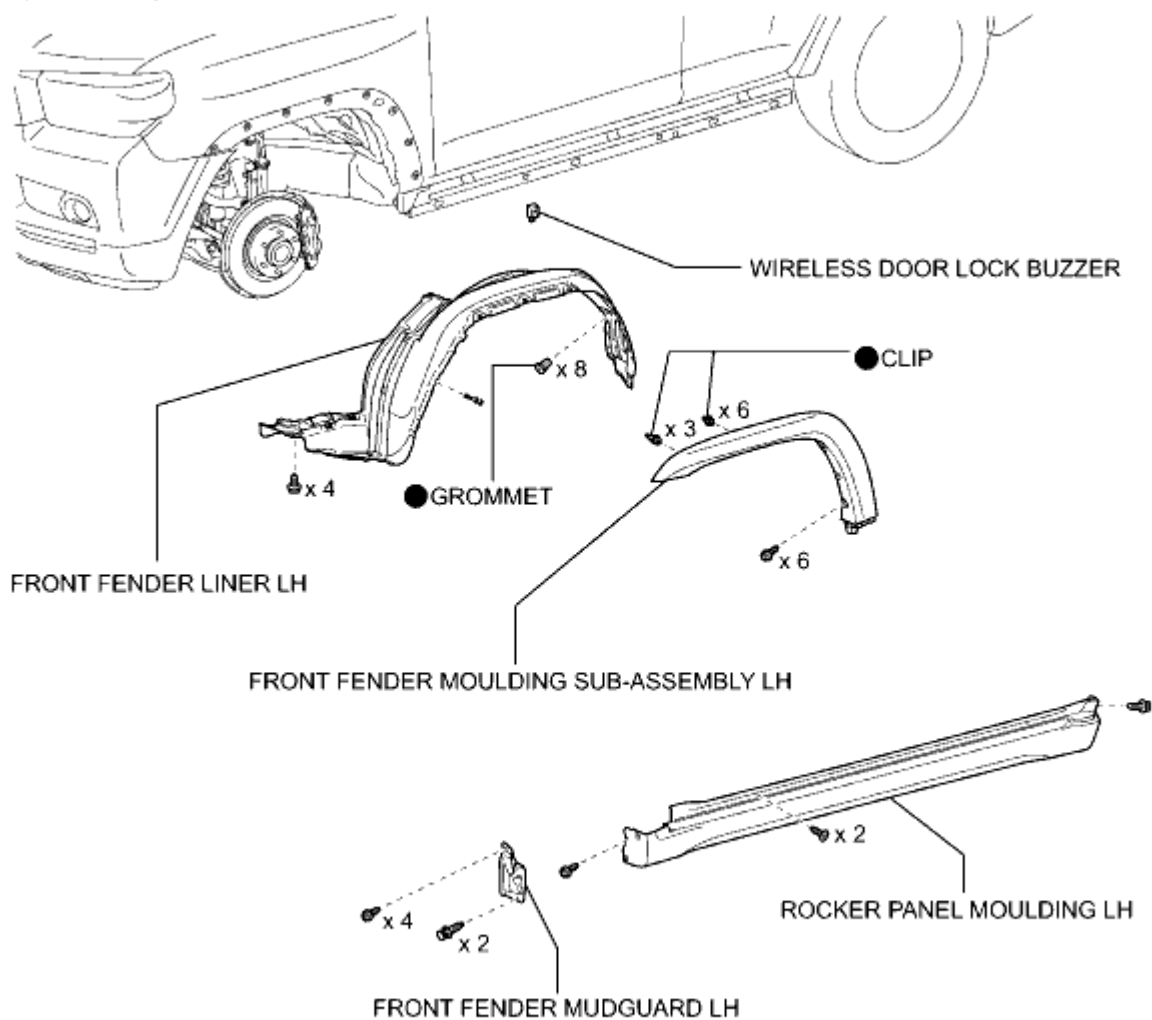
COMPONENTS

ILLUSTRATION



ILLUSTRATION

for X-Runner:



● Non-reusable part

H



TOYOTA

Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002XKW00PX
Title: DOOR LOCK: WIRELESS DOOR LOCK BUZZER: REMOVAL (2010 4Runner)		

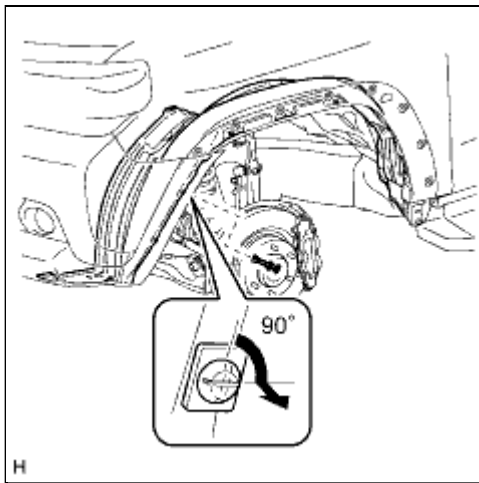
REMOVAL

1. REMOVE FRONT WHEEL

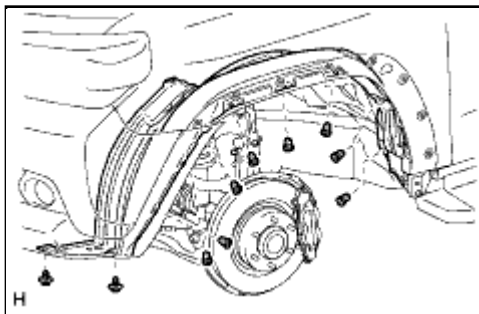
2. REMOVE FRONT FENDER MUDGUARD LH (for Standard) [INFO](#)

3. REMOVE FRONT FENDER MOULDING SUB-ASSEMBLY LH (for Standard) [INFO](#)

4. REMOVE FRONT FENDER LINER LH (for Standard)



(a) Using a screwdriver, turn the pin 90 degrees and remove the pin hold clip.



(b) Remove the 2 screws from the fender liner.

(c) Remove the 8 grommets from the fender liner.

HINT:

The grommets need to be replaced with new ones because they will break when they are removed.

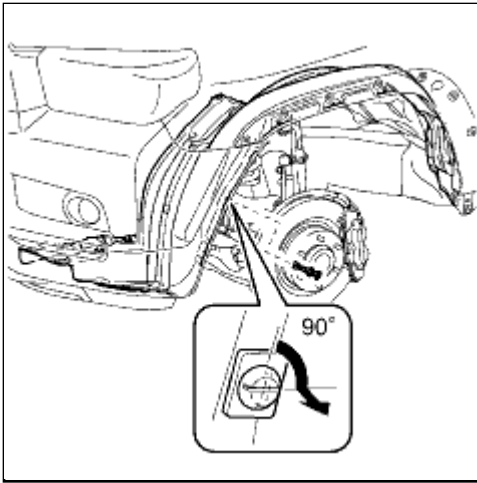
5. REMOVE FRONT FENDER MUDGUARD LH (for X-Runner) [INFO](#)

6. REMOVE ROCKER PANEL MOULDING LH (for X-Runner) [INFO](#)

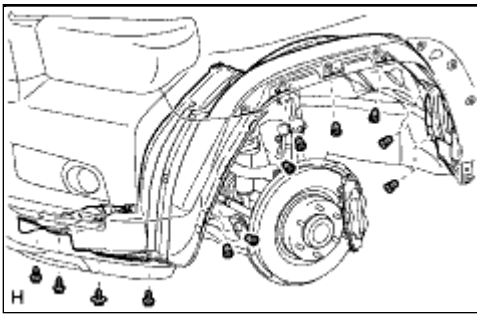
7. REMOVE FRONT FENDER MOULDING SUB-ASSEMBLY LH (for X-Runner)

INFO

8. REMOVE FRONT FENDER LINER LH (for X-Runner)



(a) Using a screwdriver, turn the pin 90 degrees and remove the pin hold clip.



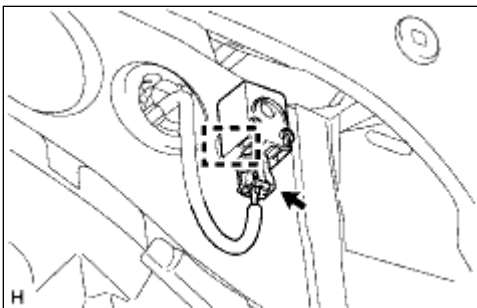
(b) Remove the 4 screws from the fender liner.

(c) Remove the 8 grommets from the fender liner.

HINT:

The grommets need to be replaced with new ones because they will break when they are removed.

9. REMOVE WIRELESS DOOR LOCK BUZZER



(a) Disconnect the connector.

(b) Detach the clamp and remove the wireless door lock buzzer.



Last Modified: 5-10-2010	6.4 G	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002XKU016X
Title: DOOR LOCK: WIRELESS DOOR LOCK BUZZER: INSPECTION (2010 4Runner)		

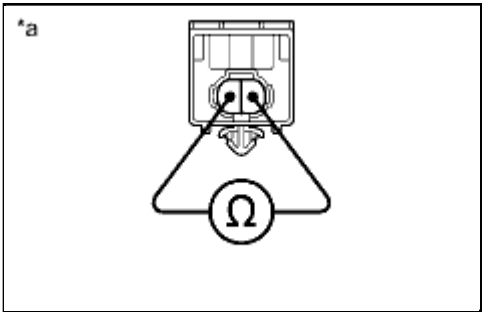
INSPECTION

1. INSPECT WIRELESS DOOR LOCK BUZZER

(a) Measure the resistance according to the value(s) in the table below.

HINT:

The buzzer activation circuit is built into the ECU, not into the buzzer itself. When battery voltage is applied directly to the buzzer, the buzzer will not sound.



Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
1 - 2	Always	285 to 315Ω

If the result is not as specified, replace the wireless door lock buzzer.

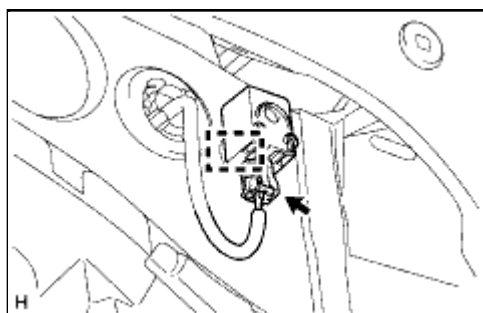
Text in Illustration

*a	Component without harness connected (Wireless Door Lock Buzzer)
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Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002XKT00QX
Title: DOOR LOCK: WIRELESS DOOR LOCK BUZZER: INSTALLATION (2010 4Runner)		

INSTALLATION

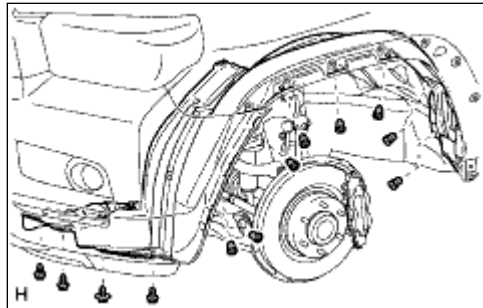
1. INSTALL WIRELESS DOOR LOCK BUZZER



(a) Connect the connector.

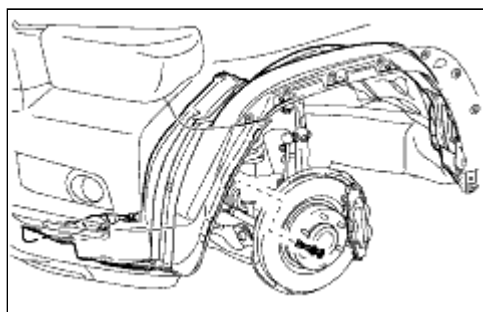
(b) Attach the clamp to install the wireless door lock buzzer.

2. INSTALL FRONT FENDER LINER LH (for X-Runner)



(a) Install 8 new grommets.

(b) Install the 4 screws.



(c) Install the pin hold clip.

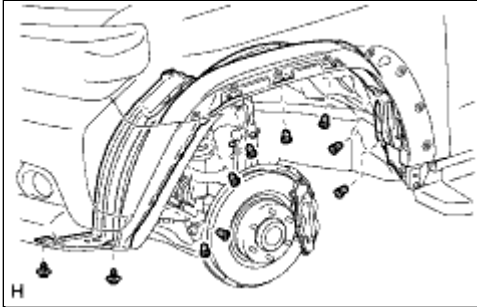
3. INSTALL FRONT FENDER MOULDING SUB-ASSEMBLY LH (for X-Runner)



4. INSTALL ROCKER PANEL MOULDING LH (for X-Runner) [INFO](#)

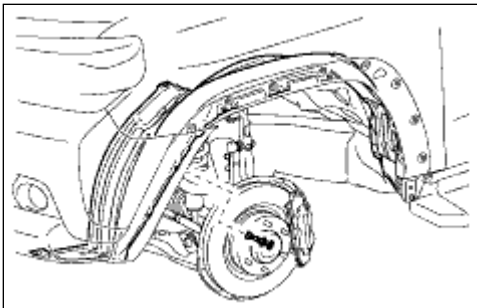
5. INSTALL FRONT FENDER MUDGUARD LH (for X-Runner) [INFO](#)

6. INSTALL FRONT FENDER LINER LH (for Standard)



(a) Install 8 new grommets.

(b) Install the 2 screws.



(c) Install the pin hold clip.

7. INSTALL FRONT FENDER MOULDING SUB-ASSEMBLY LH (for Standard) [INFO](#)

8. INSTALL FRONT FENDER MUDGUARD LH (for Standard) [INFO](#)

9. INSTALL FRONT WHEEL

Torque: 103 N·m (1050 kgf·cm, 76ft·lbf)

