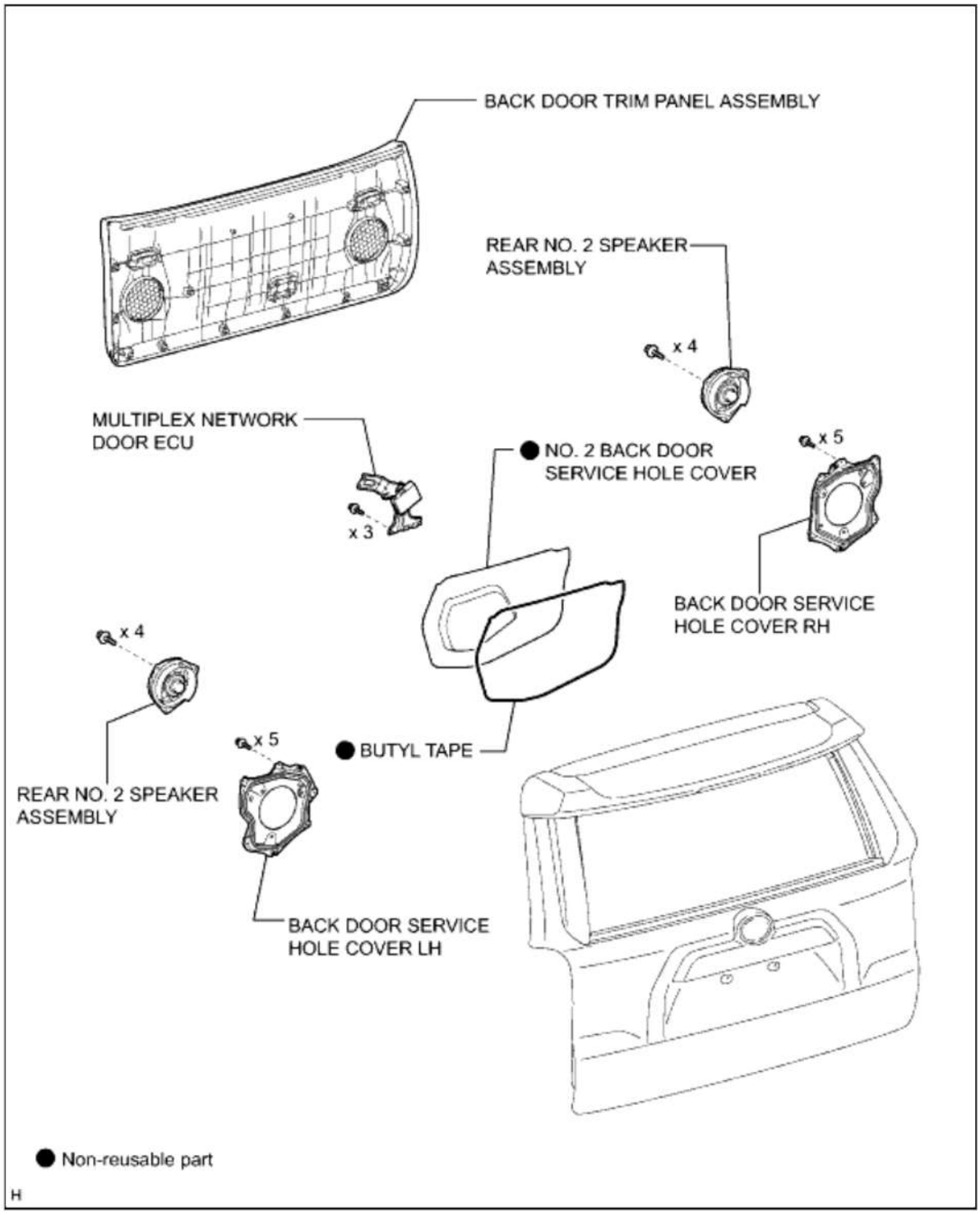
Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000477Q000X
Title: EXTERIOR PANELS / TRIM: BACK DOOR BELT MOULDING: COMPONENTS (2010 4Runner)		

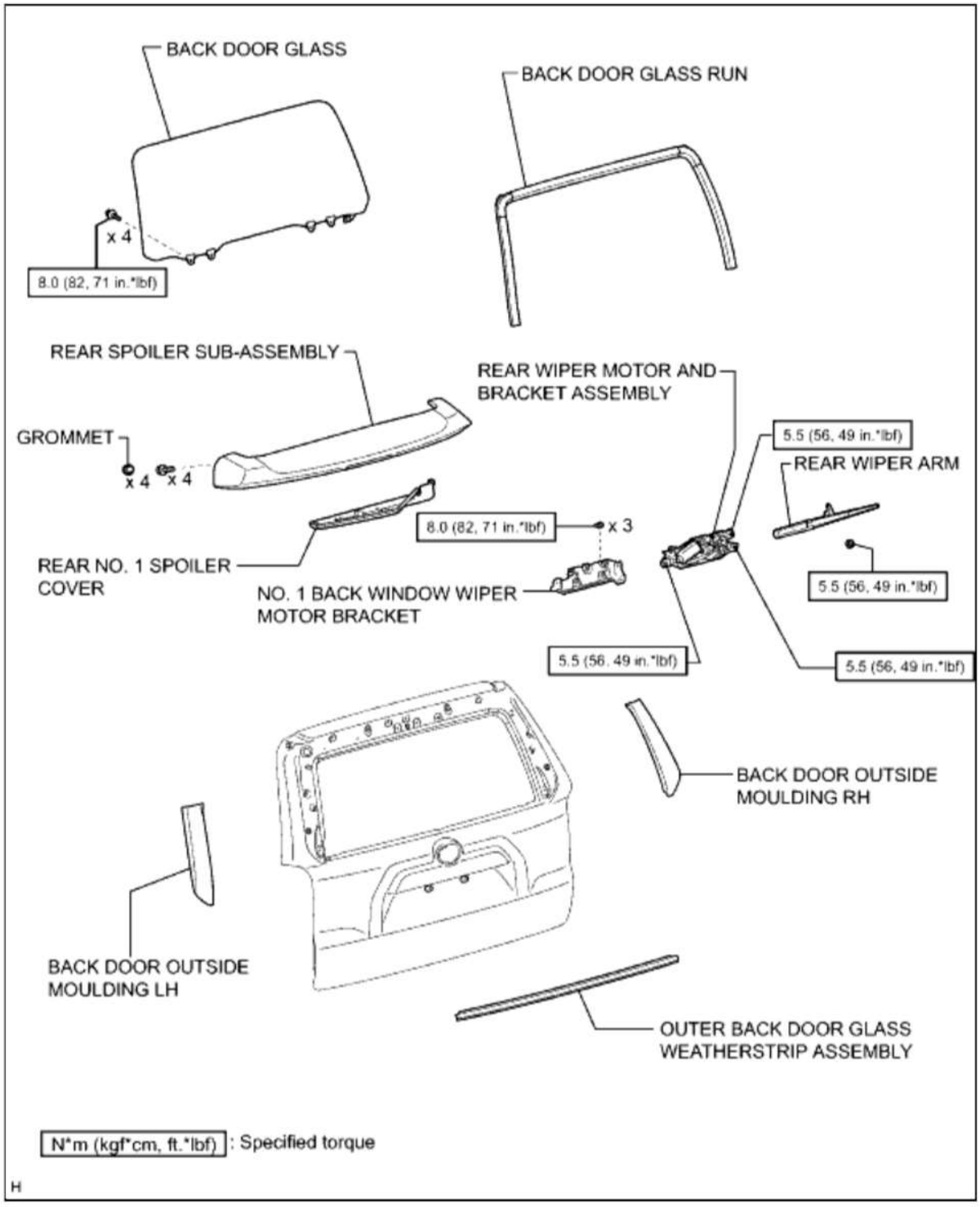
COMPONENTS

ILLUSTRATION



cardiagn.com

ILLUSTRATION



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000002AJO008X
Title: EXTERIOR PANELS / TRIM: BACK DOOR BELT MOULDING: REMOVAL (2010 4Runner)		

REMOVAL

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 INFO .

2. REMOVE BACK DOOR TRIM PANEL ASSEMBLY INFO

3. REMOVE REAR NO. 2 SPEAKER ASSEMBLY INFO

4. REMOVE MULTIPLEX NETWORK DOOR ECU INFO

5. REMOVE NO. 2 BACK DOOR SERVICE HOLE COVER INFO

6. REMOVE BACK DOOR SERVICE HOLE COVER LH INFO

7. REMOVE BACK DOOR SERVICE HOLE COVER RH INFO

8. REMOVE BACK DOOR OUTSIDE MOULDING LH INFO

9. REMOVE BACK DOOR OUTSIDE MOULDING RH

HINT:

Use the same procedure described for the LH side.

10. REMOVE REAR NO. 1 SPOILER COVER INFO

11. REMOVE REAR SPOILER SUB-ASSEMBLY INFO

12. REMOVE REAR WIPER ARM INFO

13. REMOVE REAR WIPER MOTOR AND BRACKET ASSEMBLY INFO

14. REMOVE NO. 1 BACK WINDOW WIPER MOTOR BRACKET INFO

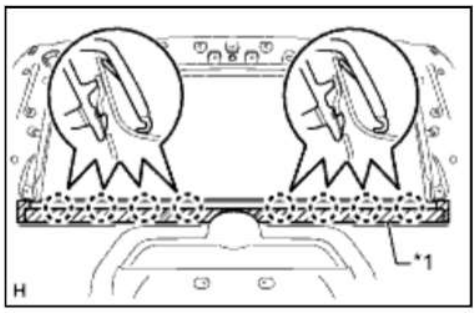
15. REMOVE BACK DOOR GLASS RUN INFO

16. REMOVE BACK DOOR GLASS INFO

17. REMOVE OUTER BACK DOOR GLASS WEATHERSTRIP ASSEMBLY

(a) Put protective tape around the outer back door glass

cardiagn.com



weatherstrip.

Text in Illustration

*1	Protective Tape

(b) Detach the 8 claws and remove the outer back door glass weatherstrip.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000002AJP008X
Title: EXTERIOR PANELS / TRIM: BACK DOOR BELT MOULDING: INSTALLATION (2010 4Runner)		

INSTALLATION

1. INSTALL OUTER BACK DOOR GLASS WEATHERSTRIP ASSEMBLY

(a) Attach the 8 claws to install the outer back door glass weatherstrip.

2. INSTALL BACK DOOR GLASS INFO

3. INSTALL BACK DOOR GLASS RUN INFO

4. INSTALL NO. 1 BACK WINDOW WIPER MOTOR BRACKET INFO

5. INSTALL REAR WIPER MOTOR AND BRACKET ASSEMBLY INFO

6. INSTALL REAR WIPER ARM INFO

7. INSTALL REAR SPOILER SUB-ASSEMBLY INFO

8. INSTALL REAR NO. 1 SPOILER COVER INFO

9. INSTALL BACK DOOR OUTSIDE MOULDING LH INFO

10. INSTALL BACK DOOR OUTSIDE MOULDING RH

HINT:

Use the same procedure described for the LH side.

11. INSTALL BACK DOOR SERVICE HOLE COVER LH INFO

12. INSTALL BACK DOOR SERVICE HOLE COVER RH INFO

13. INSTALL NO. 2 BACK DOOR SERVICE HOLE COVER INFO

14. INSTALL MULTIPLEX NETWORK DOOR ECU INFO

15. INSTALL REAR NO. 2 SPEAKER ASSEMBLY INFO

16. INSTALL BACK DOOR TRIM PANEL ASSEMBLY INFO

17. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

NOTICE:

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

18. CHECK SRS WARNING LIGHT

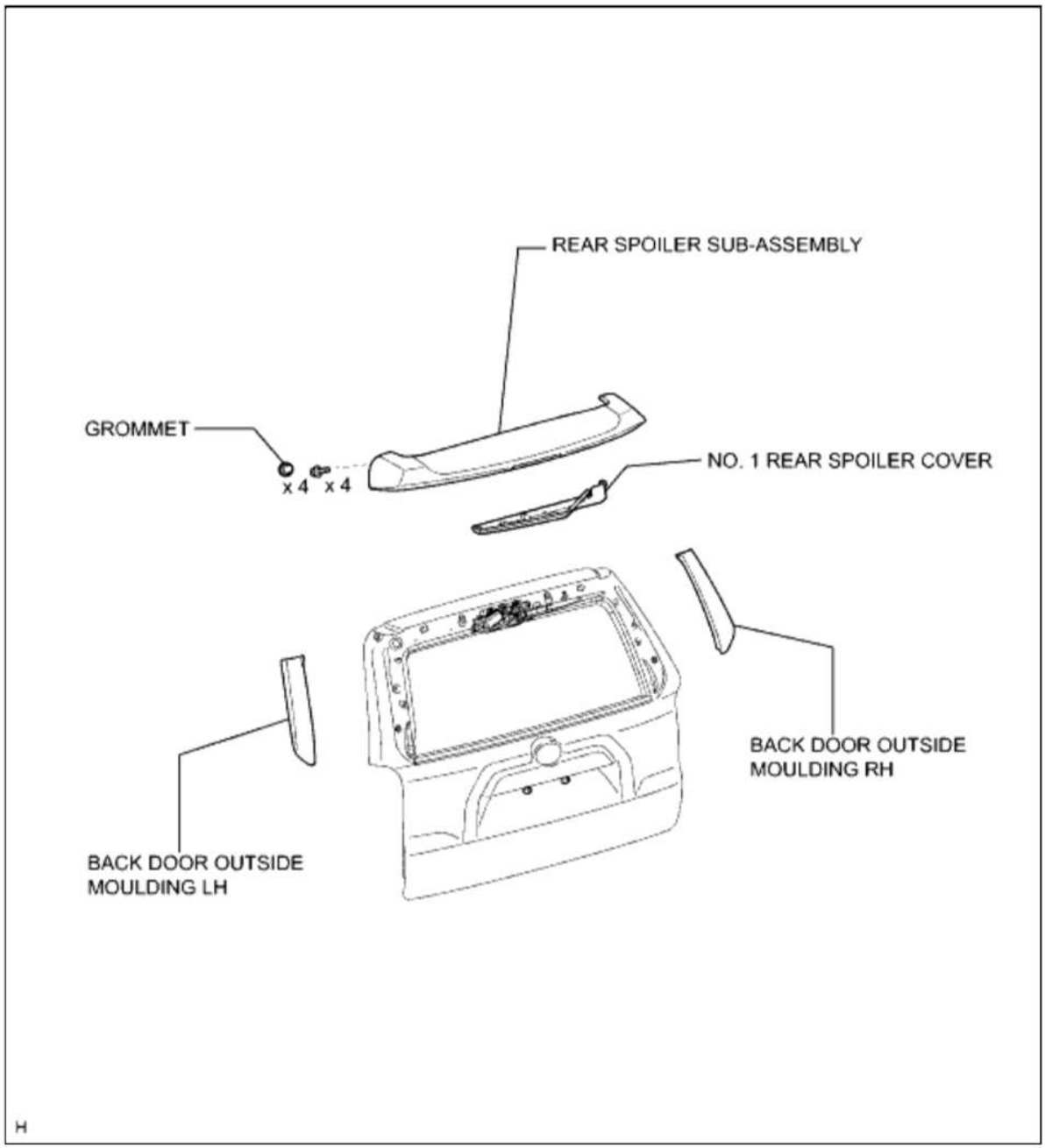
(a) Check the SRS warning light INFO .

cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000047IV000X
Title: EXTERIOR PANELS / TRIM: BACK DOOR GARNISH (for Side): COMPONENTS (2010 4Runner)		

COMPONENTS

ILLUSTRATION



cardiagn.com

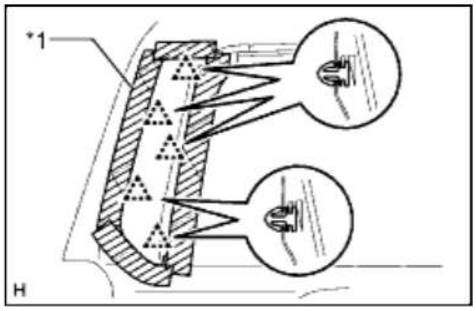
Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000047IW000X
Title: EXTERIOR PANELS / TRIM: BACK DOOR GARNISH (for Side): REMOVAL (2010 4Runner)		

REMOVAL

1. REMOVE NO. 1 REAR SPOILER COVER INFO

2. REMOVE REAR SPOILER SUB-ASSEMBLY INFO

3. REMOVE BACK DOOR OUTSIDE MOULDING LH



NOTICE:

- Do not remove the clips.
- If the clips are damaged or fall off, replace them with new clips.

(a) Put protective tape around the back door outside moulding.

(b) Detach the 5 clips and remove the back door outside moulding.

Text in Illustration

*1	Protective Tape

4. REMOVE BACK DOOR OUTSIDE MOULDING RH

HINT:

Use the same procedure described for the LH side.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000047IU000X
Title: EXTERIOR PANELS / TRIM: BACK DOOR GARNISH (for Side): INSTALLATION (2010 4Runner)		

INSTALLATION

1. INSTALL BACK DOOR OUTSIDE MOULDING LH

(a) Attach the 5 clips to install the back door outside moulding.

2. INSTALL BACK DOOR OUTSIDE MOULDING RH

HINT:

Use the same procedure described for the LH side.

3. INSTALL REAR SPOILER SUB-ASSEMBLY INFO

4. INSTALL NO. 1 REAR SPOILER COVER INFO

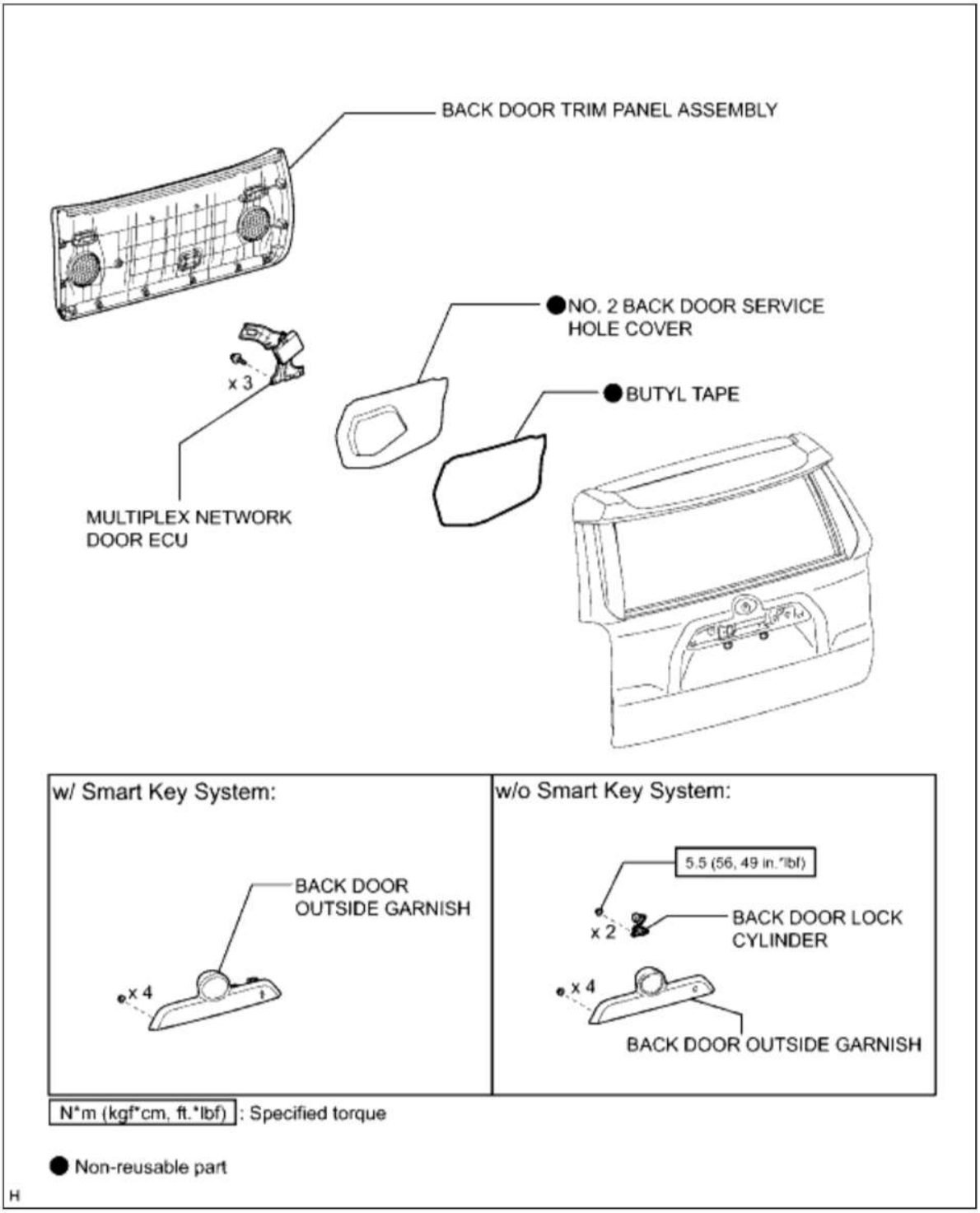
cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000004785000X
Title: EXTERIOR PANELS / TRIM: BACK DOOR OUTSIDE GARNISH: COMPONENTS (2010 4Runner)		

COMPONENTS

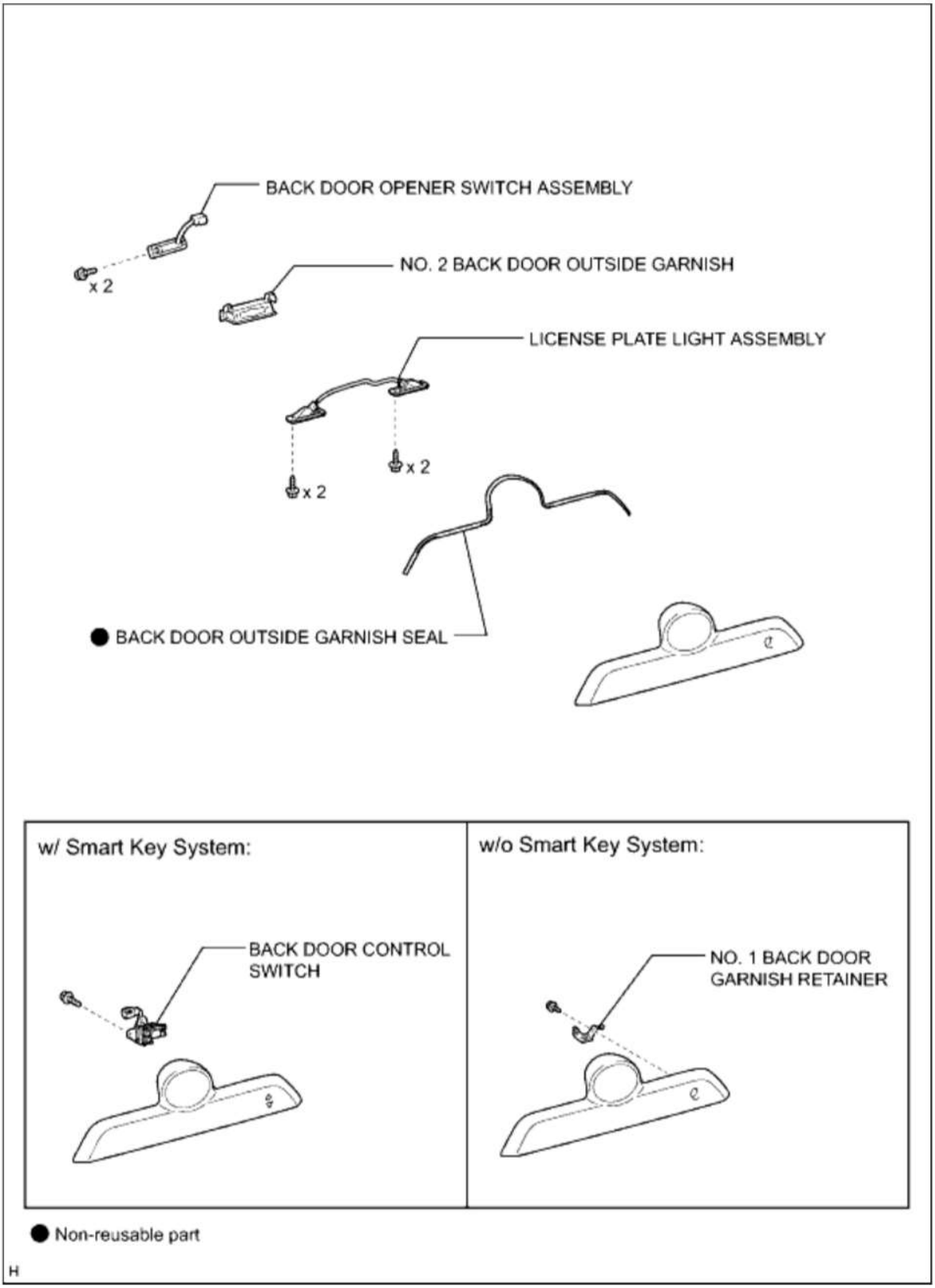
ILLUSTRATION

cardiagn.com



ILLUSTRATION

cardiagn.com



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000002AJO006X
Title: EXTERIOR PANELS / TRIM: BACK DOOR OUTSIDE GARNISH: REMOVAL (2010 4Runner)		

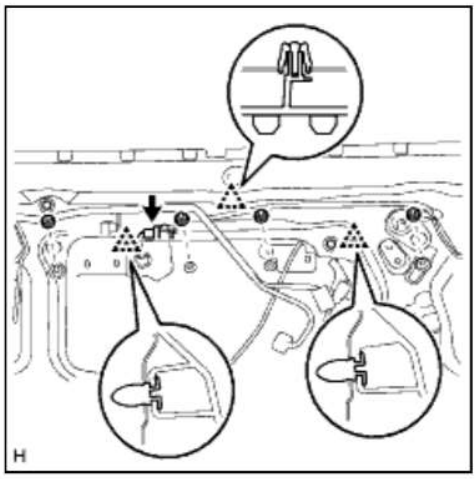
REMOVAL

1. REMOVE BACK DOOR TRIM PANEL ASSEMBLY INFO

2. REMOVE MULTIPLEX NETWORK DOOR ECU INFO

3. REMOVE NO. 2 BACK DOOR SERVICE HOLE COVER INFO

4. REMOVE BACK DOOR LOCK CYLINDER (w/o Smart Key System) INFO

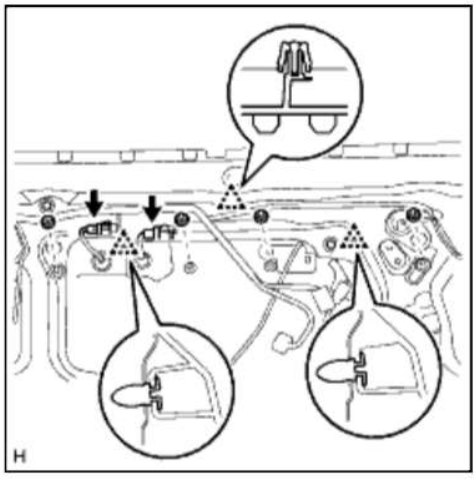


5. REMOVE BACK DOOR OUTSIDE GARNISH (w/o Smart Key System)

(a) Disconnect the connector.

(b) Remove the 4 nuts.

(c) Detach the 3 clips and remove the back door outside garnish.



6. REMOVE BACK DOOR OUTSIDE GARNISH (w/ Smart Key System)

(a) Disconnect the 2 connectors.

(b) Remove the 4 nuts.

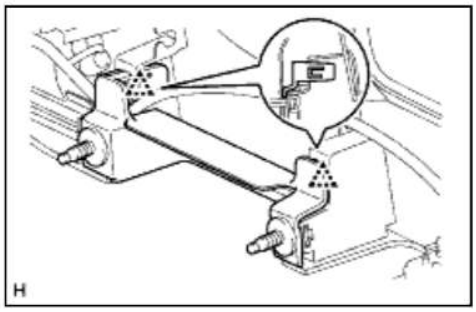
(c) Detach the 3 clips and back door outside garnish.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000047LJ000X
Title: EXTERIOR PANELS / TRIM: BACK DOOR OUTSIDE GARNISH: DISASSEMBLY (2010 4Runner)		

DISASSEMBLY

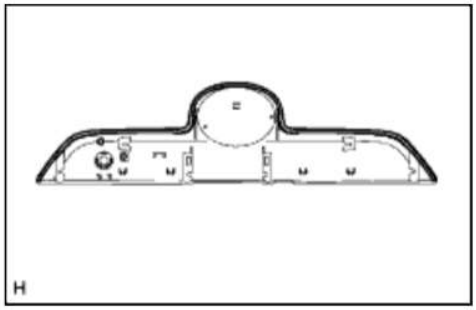
1. REMOVE BACK DOOR OPENER SWITCH ASSEMBLY INFO



2. REMOVE NO. 2 BACK DOOR OUTSIDE GARNISH

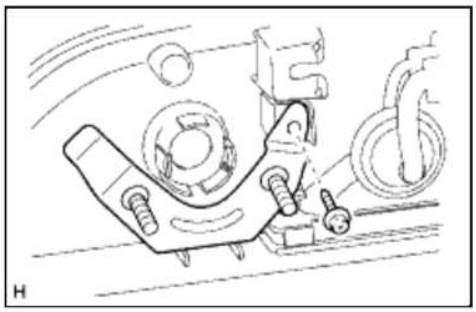
(a) Detach the 2 clips and No. 2 back door outside garnish.

3. REMOVE LICENSE PLATE LIGHT ASSEMBLY INFO



4. REMOVE BACK DOOR OUTSIDE GARNISH SEAL

(a) Remove the back door outside garnish seal.



5. REMOVE NO. 1 BACK DOOR GARNISH RETAINER (w/o Smart Key System)

(a) Remove the screw and No. 1 back door garnish retainer.

6. REMOVE BACK DOOR CONTROL SWITCH (w/ Smart Key System) INFO

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000047LK000X
Title: EXTERIOR PANELS / TRIM: BACK DOOR OUTSIDE GARNISH: REASSEMBLY (2010 4Runner)		

REASSEMBLY

HINT:

When installing the back door outside garnish seal, heat the back door outside garnish surface using a heat light.

Standard:

ITEM	TEMPERATURE
Back Door Outside Garnish	20 to 30°C (68 to 86°F)

NOTICE:

Do not heat the back door outside garnish excessively.

1. INSTALL BACK DOOR CONTROL SWITCH (w/ Smart Key System) INFO

2. INSTALL NO. 1 BACK DOOR GARNISH RETAINER (w/o Smart Key System)

(a) Install the No. 1 back door garnish retainer with the screw.

3. INSTALL BACK DOOR OUTSIDE GARNISH SEAL

(a) Clean the back door outside garnish surface.

(1) Using a heat light, heat the back door outside garnish surface.

(2) Remove the double-sided tape from the back door outside garnish surface.

(3) Wipe off any tape adhesive residue with cleaner.

(b) Install a new back door outside garnish seal.

(1) Remove the peeling paper from the face of a new back door outside garnish seal.

HINT:

After removing the peeling paper, keep the exposed adhesive free from foreign matter.

(2) Install the back door outside garnish seal.

4. INSTALL LICENSE PLATE LIGHT ASSEMBLY INFO

5. INSTALL NO. 2 BACK DOOR OUTSIDE GARNISH

(a) Attach the 2 clips to install the No. 2 back door outside garnish.

6. INSTALL BACK DOOR OPENER SWITCH ASSEMBLY INFO

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000002AJP006X
Title: EXTERIOR PANELS / TRIM: BACK DOOR OUTSIDE GARNISH: INSTALLATION (2010 4Runner)		

INSTALLATION

1. INSTALL BACK DOOR OUTSIDE GARNISH (w/o Smart Key System)

(a) Attach the 3 clips to install the back door outside garnish.

(b) Install the 4 nuts.

(c) Connect the connector.

2. INSTALL BACK DOOR OUTSIDE GARNISH (w/ Smart Key System)

(a) Attach the 3 clips to install the back door outside garnish.

(b) Install the 4 nuts.

(c) Connect the 2 connectors.

3. INSTALL BACK DOOR LOCK CYLINDER (w/o Smart Key System)

4. INSTALL NO. 2 BACK DOOR SERVICE HOLE COVER INFO

5. INSTALL MULTIPLEX NETWORK DOOR ECU INFO

6. INSTALL BACK DOOR TRIM PANEL ASSEMBLY INFO

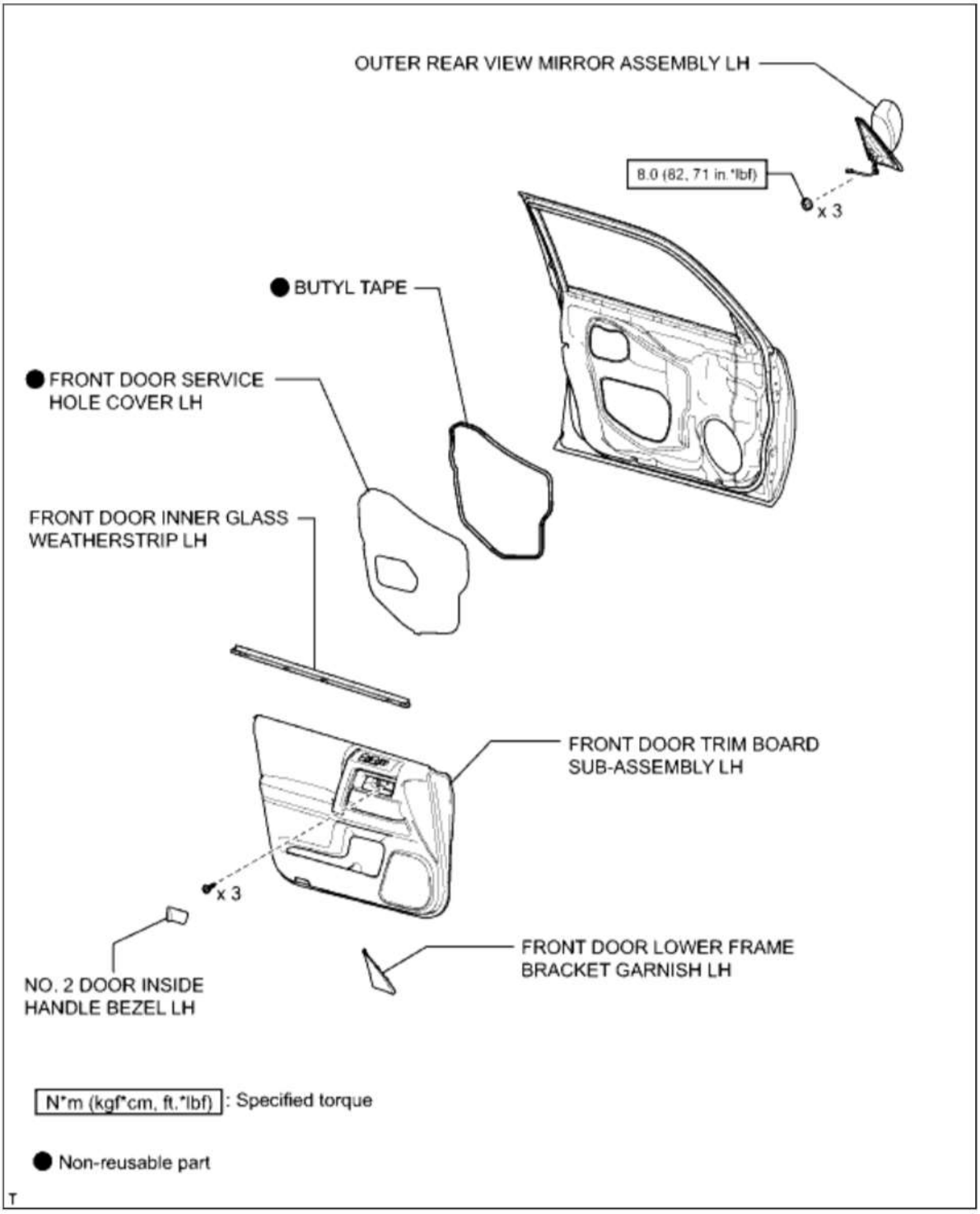
cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000478B000X
Title: EXTERIOR PANELS / TRIM: BLACK OUT TAPE (for Front Door): COMPONENTS (2010 4Runner)		

COMPONENTS

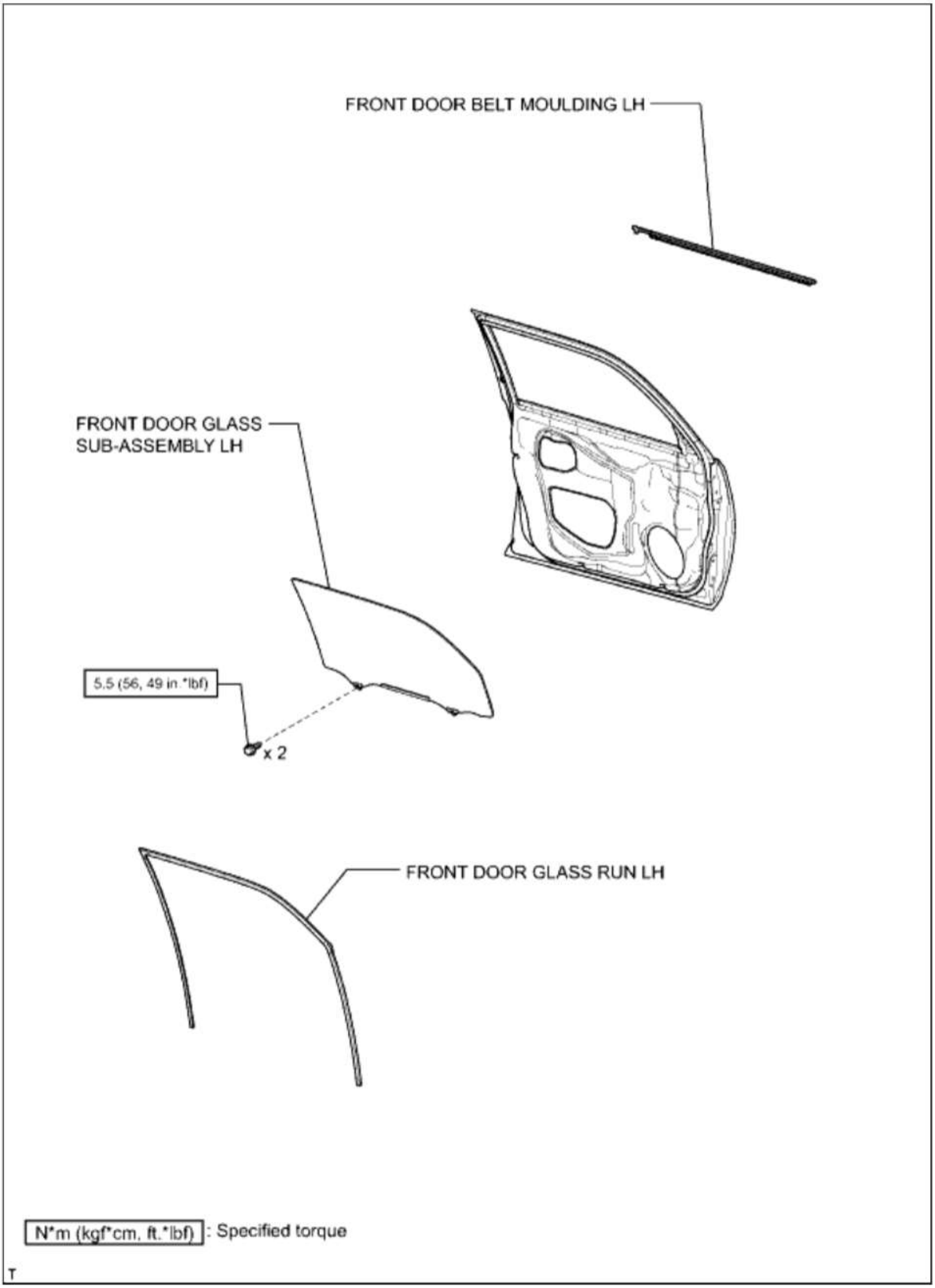
ILLUSTRATION

cardiagn.com



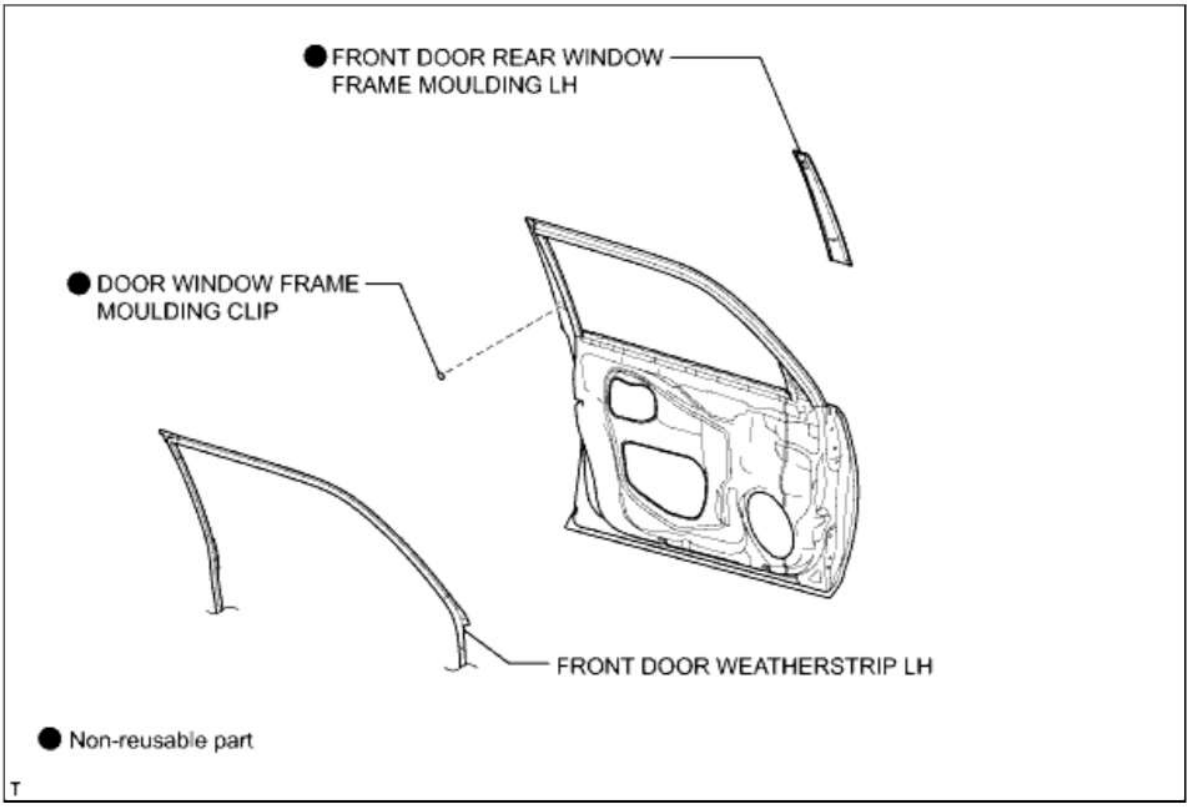
ILLUSTRATION

cardiagn.com

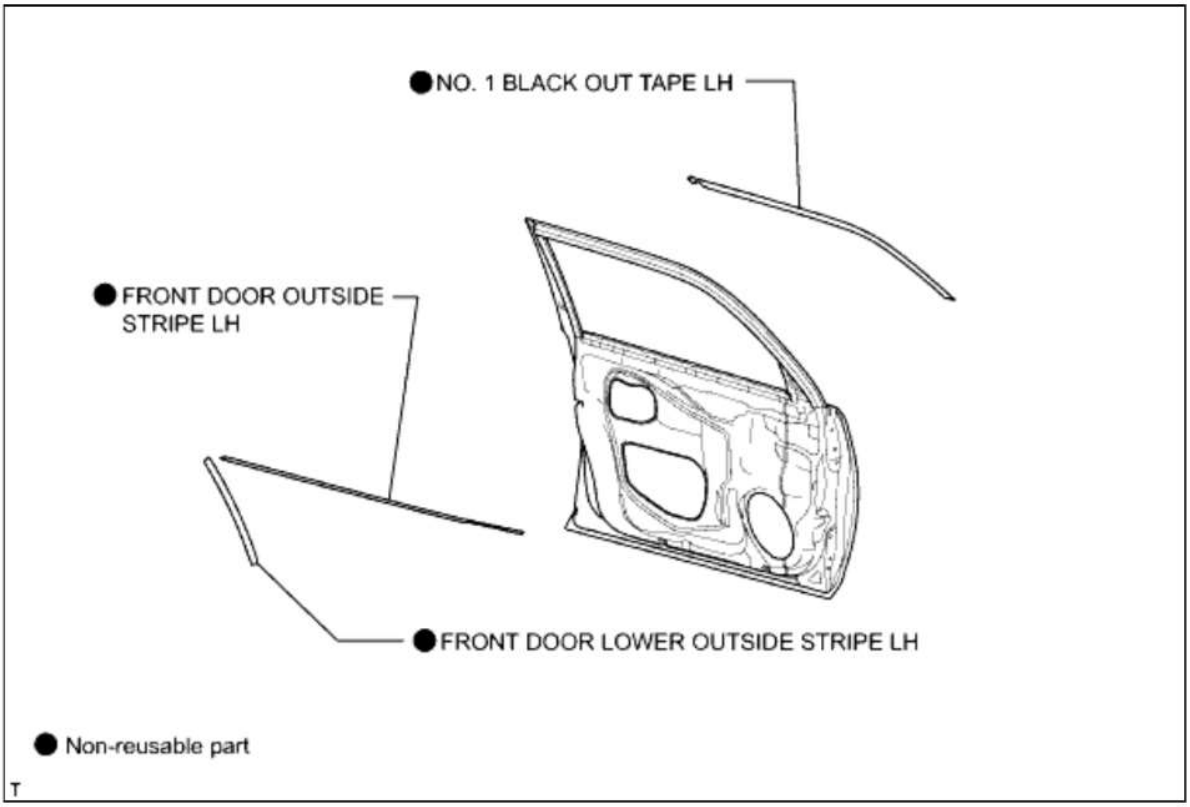


ILLUSTRATION

cardiagn.com



ILLUSTRATION



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000038KK00EX
Title: EXTERIOR PANELS / TRIM: BLACK OUT TAPE (for Front Door): INSTALLATION (2010 4Runner)		

INSTALLATION

HINT:

- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.
- When installing the window frame moulding, black out tape and outside stripe, heat the vehicle body, window frame moulding, black out tape and outside stripe using a heat light.

Standard:

ITEM	TEMPERATURE
Vehicle Body	40 to 60°C (104 to 140°F)
Window Frame Moulding	20 to 30°C (68 to 86°F)
Black Out Tape	20 to 30°C (68 to 86°F)
Outside Stripe	20 to 30°C (68 to 86°F)

NOTICE:

Do not heat the vehicle body, window frame moulding, black out tape or outside stripe excessively.

1. REPAIR INSTRUCTION

(a) Clean the vehicle body surface.

(1) Using a heat light, heat the vehicle body surface.

(2) Wipe off any tape adhesive residue with cleaner.

(b) Installation temperature.

(1) When the ambient temperature is below 15°C (59°F), perform the installation procedure after warming the vehicle body surface (installation surface of the door frame) and tape to between 20 and 30°C (68 and 86°F) using a heat light. When the ambient temperature is higher than 35°C (95°F), cool the vehicle body surface (installation surface of the door frame) and tape to between 20 and 30°C (68 and 86°F) prior to installation.

HINT:

- The most appropriate temperature for installing the tape is 25°C (77°F).
- When the temperature is low, the tape turns stiff and falls off easily. When the temperature is high, the tape loses elasticity.

(c) Before installation.

(1) Make sure any dirt on and around the vehicle body surface where the tape will be installed (installation surface of the door frame) is removed, and that the surface is smooth. If the surface is rough or dirt remains when pressing the tape onto the surface, air will be trapped under the tape and result in a poor appearance.

HINT:

cardiagn.com

Spray water on the shop floor to settle any dust.

(d) Key points for handling the tape.

(1) The tape bends and rolls up easily. Store the tape between flat pieces of cardboard or other similar objects and keep it dry and level.

NOTICE:

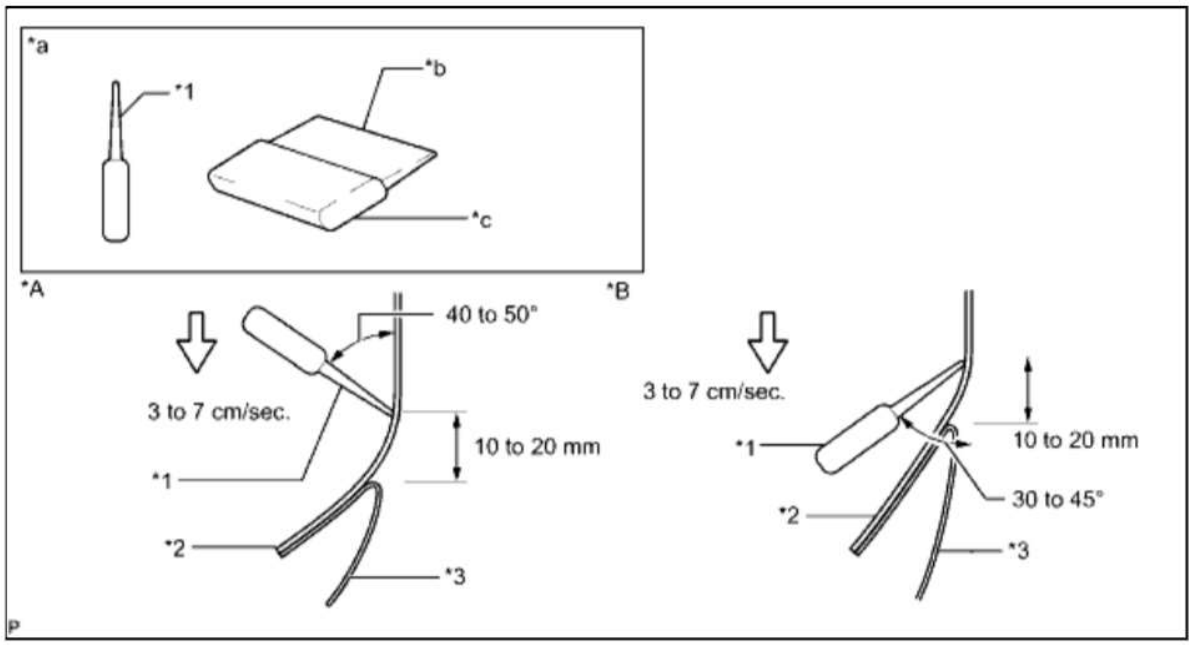
Do not bend the tape or leave it in place with a high temperature.

(e) Key points for the installation of the tape (how to use a squeegee and the installation procedure for a flat surface).

NOTICE:

- Position the tape with a high level of accuracy to achieve a neat finish and to avoid peeling.
- The tape cannot be reused because it deforms and will not fit after removal.

(1) To avoid air bubbles, slightly raise the part of the tape that is going to be applied so that its adhesive surface does not touch the vehicle body while applying the tape. Tilt the squeegee 40 to 50° (for pressing forward) or 30 to 45° (for pulling) from the vehicle body surface and press with a force of 20 to 30 N (2 to 3 kgf) while moving the squeegee at a constant slow speed of 3 to 7 cm (1.2 to 2.8 in.) per second.



Text in Illustration

*A	Pressing	*B	Pulling
*1	Squeegee	*2	Black Out Tape
*3	Release Paper	-	-
*a	Sectional View	*b	Non-padded Side
*c	Padded Side	-	-

NOTICE:

Be sure to observe the specified pressing speed, force and angle of the squeegee to avoid wrinkles and

cardiagn.com

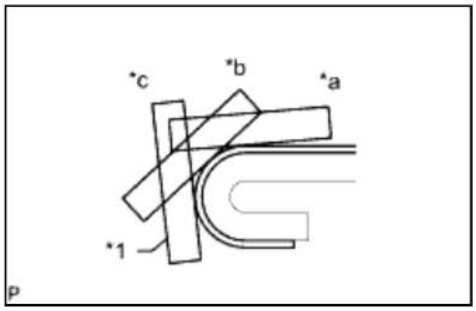
air bubbles.

HINT:

- Either angle of the squeegee (for pressing forward or for pulling) is acceptable.
- Be sure to apply the tape while removing the release paper 10 to 20 mm (0.393 to 0.787 in.) from the edge of the squeegee.

(f) Key points for the installation of the tape (how to use a squeegee and the installation procedure for hemming surfaces).

(1) If it is difficult to press the tape, press it in several steps as shown in the illustration. Use your fingers or the padded surface of a squeegee to slowly apply the tape to the hem of the vehicle, especially for a small hem.



HINT:

When applying tape to the backside of a hem, remove the release paper and use your fingers or the padded surface of a squeegee.

Text in Illustration

*1	Squeegee
*a	First
*b	Second
*c	Third

(g) Key points for the installation of the tape (how to use a squeegee and the installation procedure for the corners).

(1) Remove the release paper and apply the tape carefully with your fingers.

(2) Before applying the tape to each corner, heat the tape using a heat light and gradually apply it to avoid wrinkles on the tape and achieve a neat finish.

(h) Check after installation.

(1) After completing the application, check if the tape is applied neatly. If the tape is not applied neatly, apply new tape.

NOTICE:

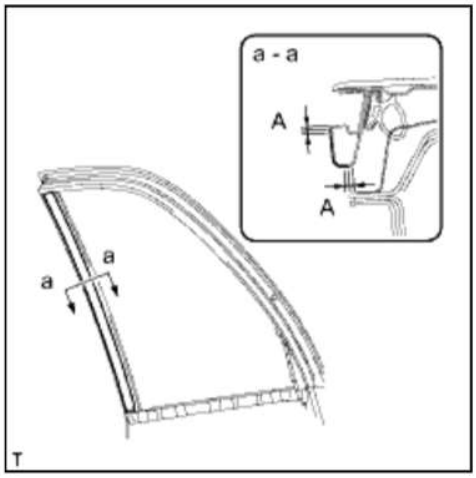
Do not reuse the tape.

2. INSTALL FRONT DOOR LOWER OUTSIDE STRIPE LH

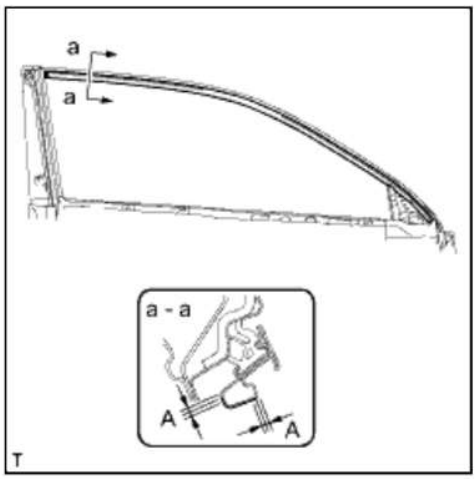
(a) Refer to the illustration to position a new front door lower outside stripe.

Reference Value:

cardiagn.com



AREA	SPECIFIED CONDITION
A	+/- 1.0 mm (0.039 in.) From End

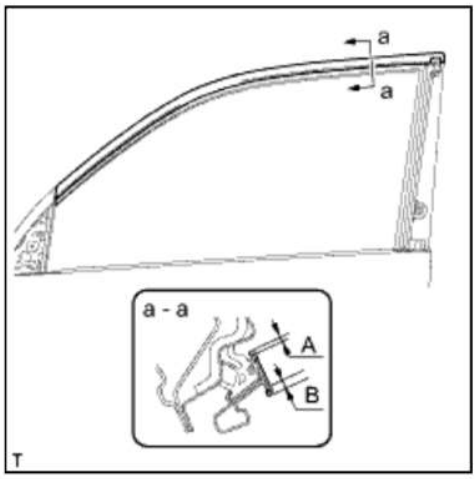


3. INSTALL FRONT DOOR OUTSIDE STRIPE LH

(a) Refer to the illustration to position a new front door outside stripe.

Reference Value:

AREA	SPECIFIED CONDITION
A	+/- 1.0 mm (0.039 in.) From End



4. INSTALL NO. 1 BLACK OUT TAPE LH

(a) Refer to the illustration to position new black out tape.

Reference Value:

AREA	SPECIFIED CONDITION
A	2 to 4 mm (0.078 to 0.158 in.)
B	4 to 6 mm (0.157 to 0.236 in.)

5. INSTALL FRONT DOOR REAR WINDOW FRAME MOULDING LH INFO

cardiagn.com

6. INSTALL FRONT DOOR WEATHERSTRIP LH INFO

7. INSTALL FRONT DOOR BELT MOULDING LH INFO

8. INSTALL FRONT DOOR GLASS RUN LH INFO

9. INSTALL FRONT DOOR GLASS SUB-ASSEMBLY LH INFO

10. INSTALL OUTER REAR VIEW MIRROR ASSEMBLY LH INFO

11. INSTALL FRONT DOOR SERVICE HOLE COVER LH INFO

12. INSTALL FRONT DOOR INNER GLASS WEATHERSTRIP LH INFO

13. INSTALL FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH INFO

14. INSTALL NO. 2 DOOR INSIDE HANDLE BEZEL LH INFO

15. INSTALL FRONT DOOR LOWER FRAME BRACKET GARNISH LH INFO

16. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

NOTICE:

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

17. CHECK SRS WARNING LIGHT

(a) Check the SRS warning light INFO .



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000038KM00EX
Title: EXTERIOR PANELS / TRIM: BLACK OUT TAPE (for Front Door): REMOVAL (2010 4Runner)		

REMOVAL

HINT:

- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.
- When removing the window frame moulding, black out tape and outside stripe, heat the vehicle body, window frame moulding, black out tape and outside stripe using a heat light.

Standard:

ITEM	TEMPERATURE
Vehicle Body	40 to 60°C (104 to 140°F)
Window Frame Moulding	20 to 30°C (68 to 86°F)
Black Out Tape	20 to 30°C (68 to 86°F)
Outside Stripe	20 to 30°C (68 to 86°F)

NOTICE:

Do not heat the vehicle body, window frame moulding, black out tape or outside stripe excessively.

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 INFO .

2. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH LH INFO

3. REMOVE NO. 2 DOOR INSIDE HANDLE BEZEL LH INFO

4. REMOVE FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH INFO

5. REMOVE FRONT DOOR INNER GLASS WEATHERSTRIP LH INFO

6. REMOVE FRONT DOOR SERVICE HOLE COVER LH INFO

7. REMOVE OUTER REAR VIEW MIRROR ASSEMBLY LH INFO

8. REMOVE FRONT DOOR GLASS SUB-ASSEMBLY LH INFO

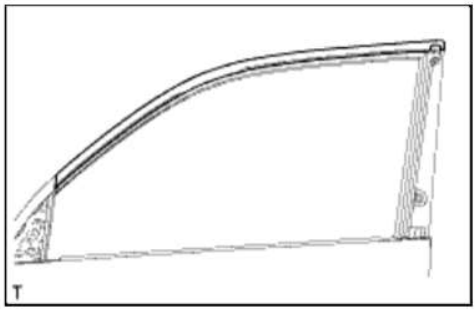
9. REMOVE FRONT DOOR GLASS RUN LH INFO

10. REMOVE FRONT DOOR BELT MOULDING LH INFO

11. REMOVE FRONT DOOR WEATHERSTRIP LH INFO

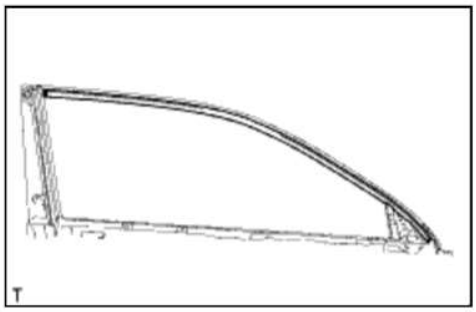
cardiagn.com

12. REMOVE FRONT DOOR REAR WINDOW FRAME MOULDING LH



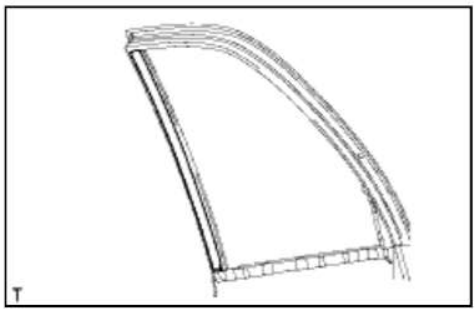
13. REMOVE NO. 1 BLACK OUT TAPE LH

(a) Pull back an edge of the black out tape and pull it parallel to the vehicle body to remove it.



14. REMOVE FRONT DOOR OUTSIDE STRIPE LH

(a) Pull back an edge of the front door outside stripe and pull it parallel to the vehicle body to remove it.



15. REMOVE FRONT DOOR LOWER OUTSIDE STRIPE LH

(a) Pull back an edge of the lower front door outside stripe and pull it parallel to the vehicle body to remove it.

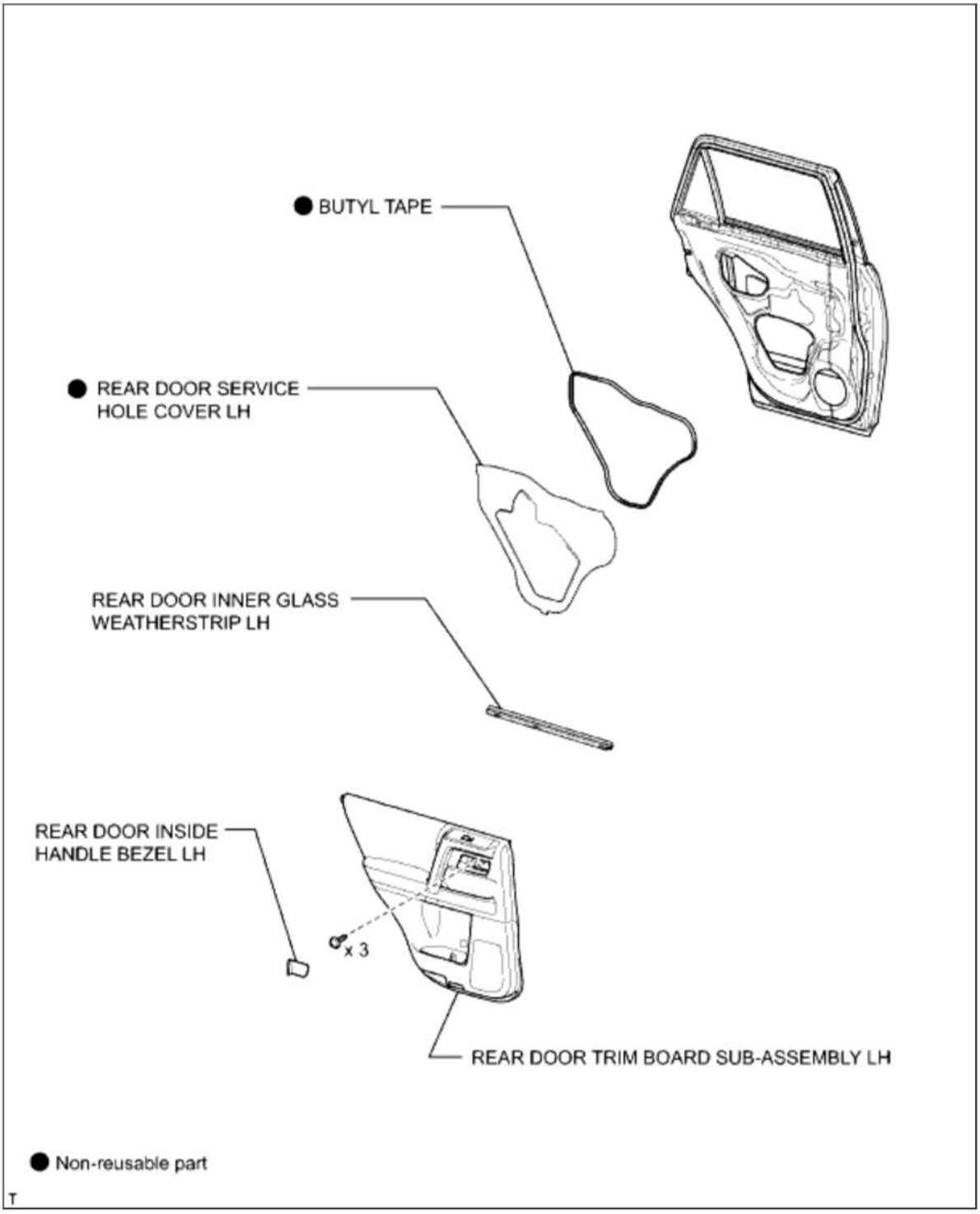
cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000478C000X
Title: EXTERIOR PANELS / TRIM: BLACK OUT TAPE (for Rear Door): COMPONENTS (2010 4Runner)		

COMPONENTS

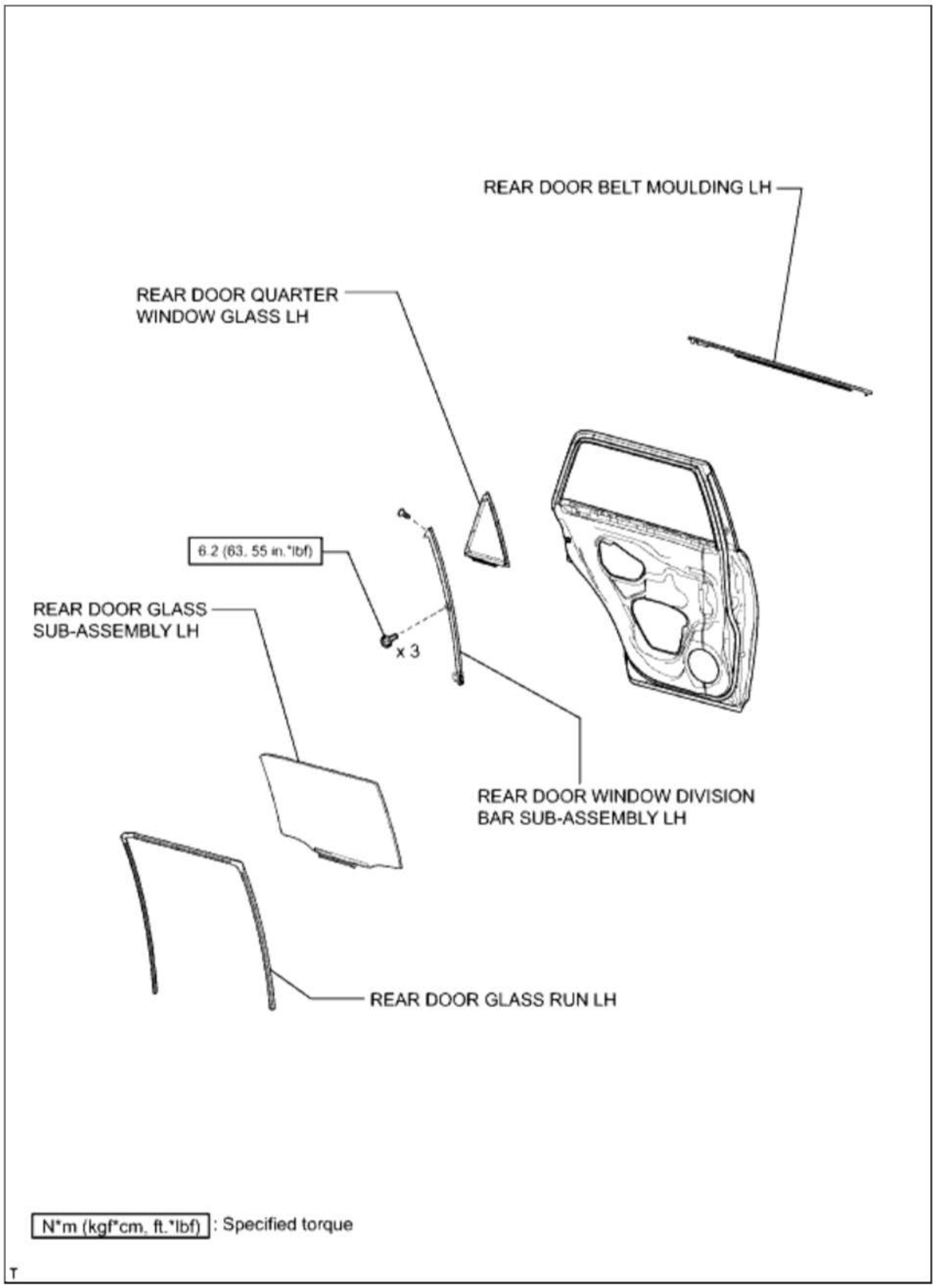
ILLUSTRATION

cardiagn.com



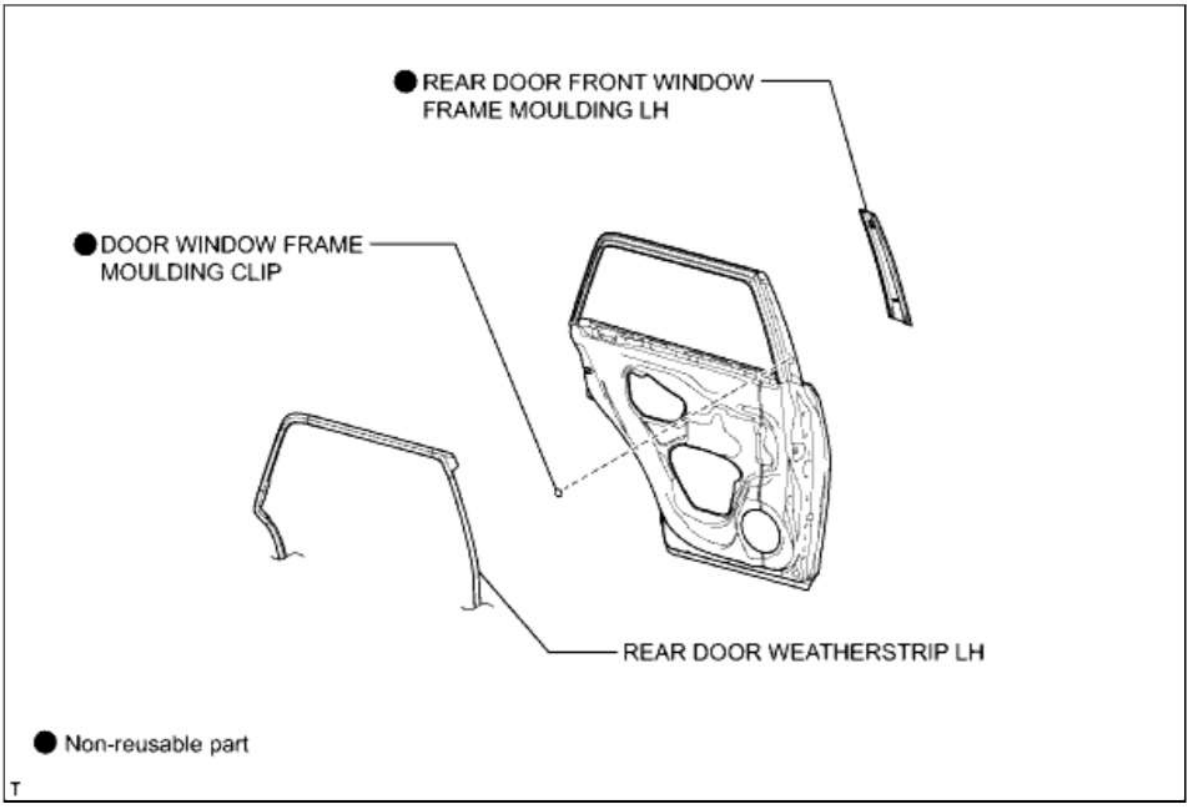
ILLUSTRATION

cardiagn.com

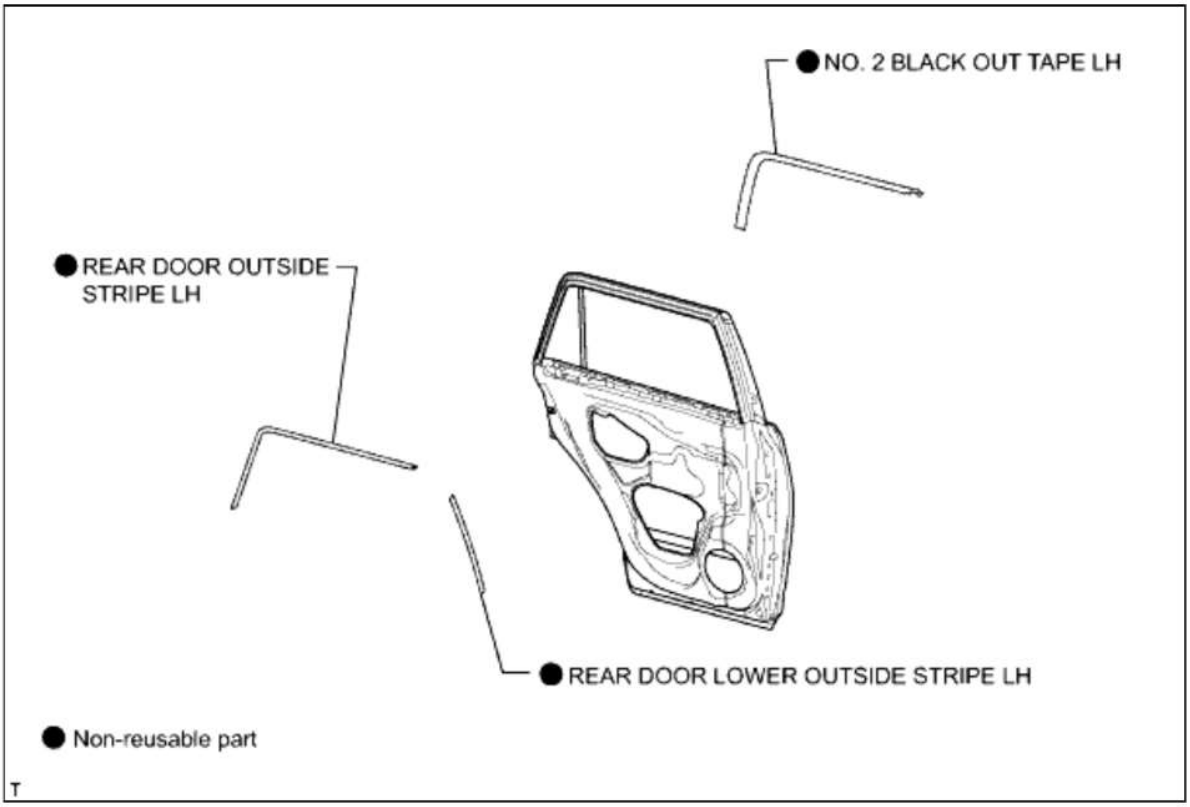


ILLUSTRATION

cardiagn.com



ILLUSTRATION



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000039Z500DX
Title: EXTERIOR PANELS / TRIM: BLACK OUT TAPE (for Rear Door): INSTALLATION (2010 4Runner)		

INSTALLATION

HINT:

- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.
- When installing the window frame moulding, black out tape and outside stripe, heat the vehicle body, window frame moulding, black out tape and outside stripe using a heat light.

Standard:

ITEM	TEMPERATURE
Vehicle Body	40 to 60°C (104 to 140°F)
Window Frame Moulding	20 to 30°C (68 to 86°F)
Black Out Tape	20 to 30°C (68 to 86°F)
Outside Stripe	20 to 30°C (68 to 86°F)

NOTICE:

Do not heat the vehicle body, window frame moulding, black out tape or outside stripe excessively.

1. REPAIR INSTRUCTION

(a) Clean the vehicle body surface.

(1) Using a heat light, heat the vehicle body surface.

(2) Wipe off any tape adhesive residue with cleaner.

(b) Installation temperature.

(1) When the ambient temperature is below 15°C (59°F), perform the installation procedure after warming the vehicle body surface (installation surface of the door frame) and tape to between 20 and 30°C (68 and 86°F) using a heat light. When the ambient temperature is higher than 35°C (95°F), cool the vehicle body surface (installation surface of the door frame) and tape to between 20 and 30°C (68 and 86°F) prior to installation.

HINT:

- The most appropriate temperature for installing the tape is 25°C (77°F).
- When the temperature is low, the tape turns stiff and falls off easily. When the temperature is high, the tape loses elasticity.

(c) Before installation.

(1) Make sure any dirt on and around the vehicle body surface where the tape will be installed (installation surface of the door frame) is removed, and that the surface is smooth. If the surface is rough or dirt remains when pressing the tape onto the surface, air will be trapped under the tape and result in a poor appearance.

HINT:

cardiagn.com

Spray water on the shop floor to settle any dust.

(d) Key points for handling the tape.

(1) The tape bends and rolls up easily. Store the tape between flat pieces of cardboard or other similar objects and keep it dry and level.

NOTICE:

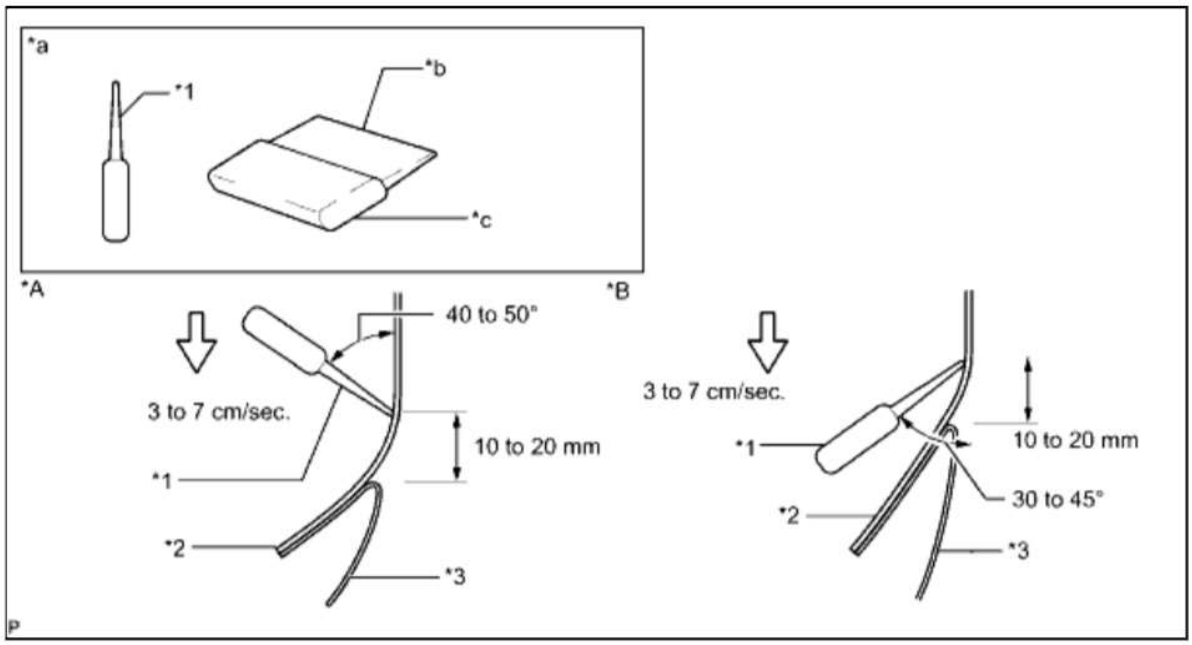
Do not bend the tape or leave it in place with a high temperature.

(e) Key points for the installation of the tape (how to use a squeegee and the installation procedure for a flat surface).

NOTICE:

- Position the tape with a high level of accuracy to achieve a neat finish and to avoid peeling.
- The tape cannot be reused because it deforms and will not fit after removal.

(1) To avoid air bubbles, slightly raise the part of the tape that is going to be applied so that its adhesive surface does not touch the vehicle body while applying the tape. Tilt the squeegee 40 to 50° (for pressing forward) or 30 to 45° (for pulling) from the vehicle body surface and press with a force of 20 to 30 N (2 to 3 kgf) while moving the squeegee at a constant slow speed of 3 to 7 cm (1.2 to 2.8 in.) per second.



Text in Illustration

*A	Pressing	*B	Pulling
*1	Squeegee	*2	Black Out Tape
*3	Release Paper	-	-
*a	Sectional View	*b	Non-padded Side
*c	Padded Side	-	-

NOTICE:

Be sure to observe the specified pressing speed, force and angle of the squeegee to avoid wrinkles and

cardiagn.com

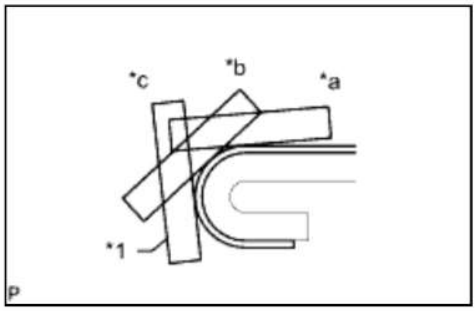
air bubbles.

HINT:

- Either angle of the squeegee (for pressing forward or for pulling) is acceptable.
- Be sure to apply the tape while removing the release paper 10 to 20 mm (0.393 to 0.787 in.) from the edge of the squeegee.

(f) Key points for the installation of the tape (how to use a squeegee and the installation procedure for hemming surfaces).

(1) If it is difficult to press the tape, press it in several steps as shown in the illustration. Use your fingers or the padded surface of a squeegee to slowly apply the tape to the hem of the vehicle, especially for a small hem.



HINT:

When applying tape to the backside of a hem, remove the release paper and use your fingers or the padded surface of a squeegee.

Text in Illustration

*1	Squeegee
*a	First
*b	Second
*c	Third

(g) Key points for the installation of the tape (how to use a squeegee and the installation procedure for the corners).

(1) Remove the release paper and apply the tape carefully with your fingers.

(2) Before applying the tape to each corner, heat the tape using a heat light and gradually apply it to avoid wrinkles on the tape and achieve a neat finish.

(h) Check after installation.

(1) After completing the application, check if the tape is applied neatly. If the tape is not applied neatly, apply new tape.

NOTICE:

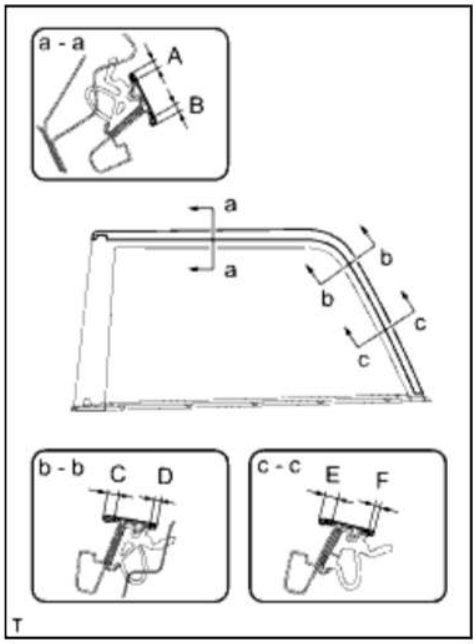
Do not reuse the tape.

2. INSTALL REAR DOOR OUTSIDE STRIPE LH

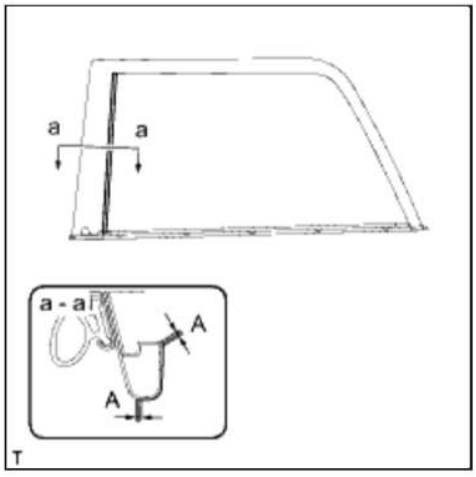
(a) Refer to the illustration to position a new rear door outside stripe.

Reference Value:

cardiagn.com



AREA	SPECIFIED CONDITION
A	2 to 4 mm (0.078 to 0.158 in.)
B	4 to 6 mm (0.157 to 0.236 in.)
C	4 to 6 mm (0.157 to 0.236 in.)
D	2 to 4 mm (0.078 to 0.158 in.)
E	4 to 6 mm (0.157 to 0.236 in.)
F	2 to 4 mm (0.078 to 0.158 in.)



3. INSTALL REAR DOOR LOWER OUTSIDE STRIPE LH

(a) Refer to the illustration to position a new rear door lower outside stripe.

Reference Value:

AREA	SPECIFIED CONDITION
A	+/- 1.0 mm (0.039 in.) From End

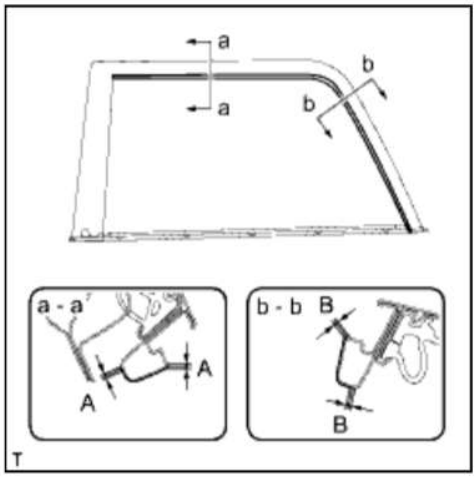
4. INSTALL NO. 2 BLACK OUT TAPE LH

(a) Refer to the illustration to position new No. 2 black out tape.

Reference Value:

AREA	SPECIFIED CONDITION
A	+/- 1.0 mm (0.039 in.) From End
B	+/- 1.0 mm (0.039 in.) From End

cardiagn.com



5. INSTALL REAR DOOR FRONT WINDOW FRAME MOULDING LH INFO

6. INSTALL REAR DOOR WEATHERSTRIP LH INFO

7. INSTALL REAR DOOR BELT MOULDING LH INFO

8. INSTALL REAR DOOR GLASS SUB-ASSEMBLY LH INFO

9. INSTALL REAR DOOR QUARTER WINDOW GLASS LH INFO

10. INSTALL REAR DOOR WINDOW DIVISION BAR SUB-ASSEMBLY LH INFO

11. INSTALL REAR DOOR GLASS RUN LH INFO

12. INSTALL REAR DOOR SERVICE HOLE COVER LH INFO

13. INSTALL REAR DOOR INNER GLASS WEATHERSTRIP LH INFO

14. INSTALL REAR DOOR TRIM BOARD SUB-ASSEMBLY LH INFO

15. INSTALL REAR DOOR INSIDE HANDLE BEZEL LH INFO

16. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

NOTICE:

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

17. CHECK SRS WARNING LIGHT

(a) Check the SRS warning light INFO .

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000039Z700DX
Title: EXTERIOR PANELS / TRIM: BLACK OUT TAPE (for Rear Door): REMOVAL (2010 4Runner)		

REMOVAL

HINT:

- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.
- When removing the window frame moulding, black out tape and outside stripe, heat the vehicle body, window frame moulding, black out tape and outside stripe using a heat light.

Standard:

ITEM	TEMPERATURE
Vehicle Body	40 to 60°C (104 to 140°F)
Window Frame Moulding	20 to 30°C (68 to 86°F)
Black Out Tape	20 to 30°C (68 to 86°F)
Outside Stripe	20 to 30°C (68 to 86°F)

NOTICE:

Do not heat the vehicle body, window frame moulding, black out tape or outside stripe excessively.

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 INFO .

2. REMOVE REAR DOOR INSIDE HANDLE BEZEL LH INFO

3. REMOVE REAR DOOR TRIM BOARD SUB-ASSEMBLY LH INFO

4. REMOVE REAR DOOR INNER GLASS WEATHERSTRIP LH INFO

5. REMOVE REAR DOOR SERVICE HOLE COVER LH INFO

6. REMOVE REAR DOOR GLASS RUN LH INFO

7. REMOVE REAR DOOR WINDOW DIVISION BAR SUB-ASSEMBLY LH INFO

8. REMOVE REAR DOOR QUARTER WINDOW GLASS LH INFO

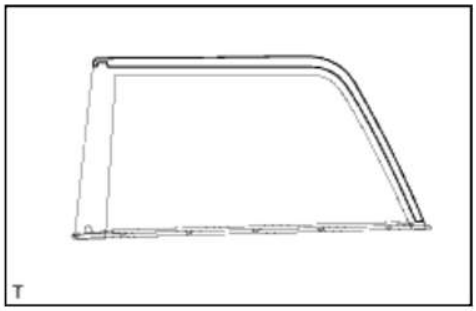
9. REMOVE REAR DOOR GLASS SUB-ASSEMBLY LH INFO

10. REMOVE REAR DOOR BELT MOULDING LH INFO

cardiagn.com

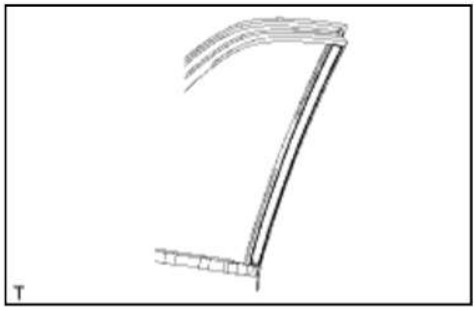
11. REMOVE REAR DOOR WEATHERSTRIP LH INFO

12. REMOVE REAR DOOR FRONT WINDOW FRAME MOULDING LH INFO



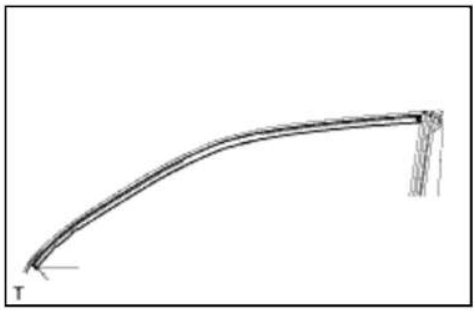
13. REMOVE NO. 2 BLACK OUT TAPE LH

(a) Pull back an edge of the No. 2 black out tape and pull it parallel to the vehicle body to remove it.



14. REMOVE REAR DOOR LOWER OUTSIDE STRIPE LH

(a) Pull back an edge of the rear door lower outside stripe and pull it parallel to the vehicle body to remove it.



15. REMOVE REAR DOOR OUTSIDE STRIPE LH

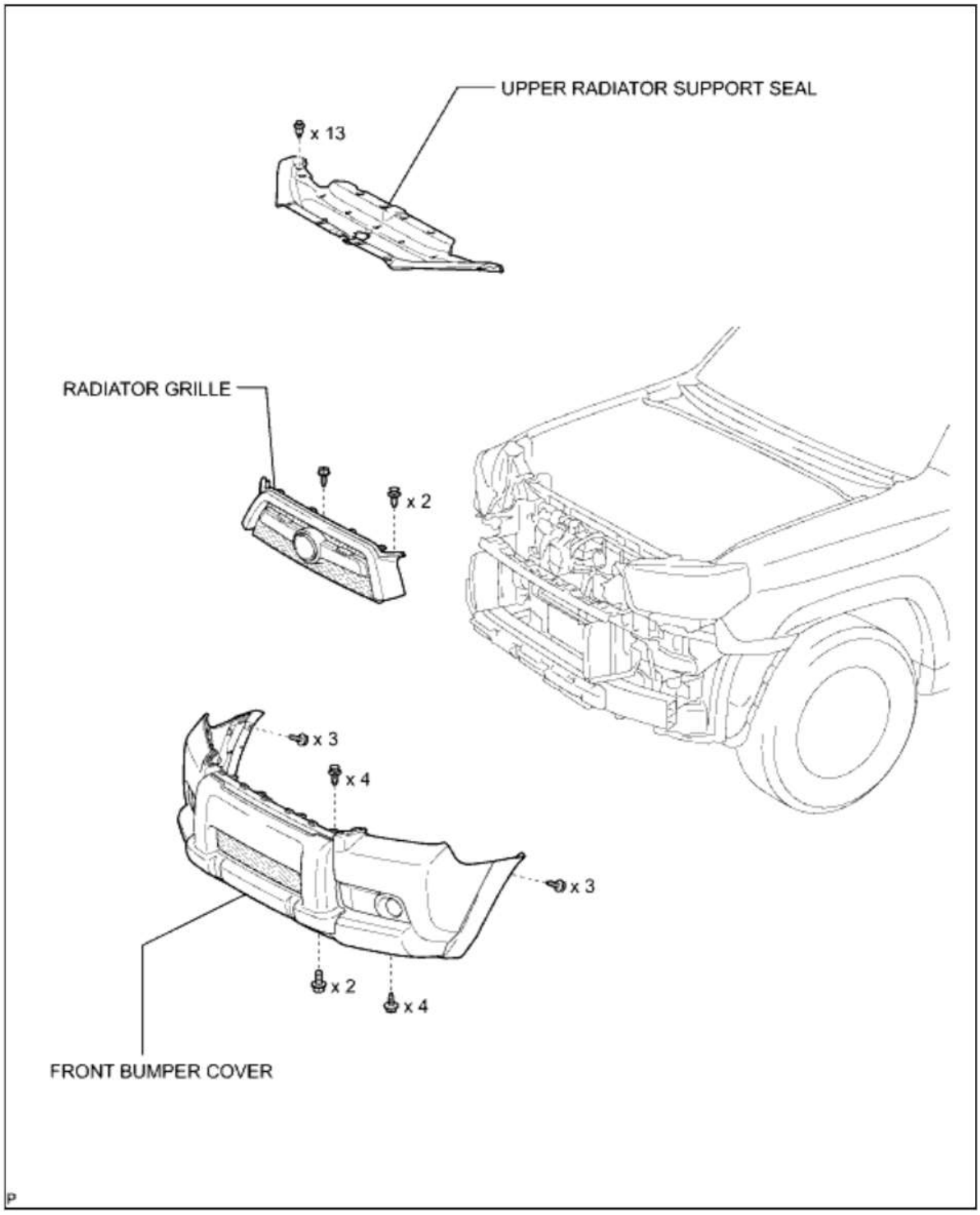
(a) Pull back an edge of the rear door outside stripe and pull it parallel to the vehicle body to remove it.

cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000004761000X
Title: EXTERIOR PANELS / TRIM: FRONT BUMPER: COMPONENTS (2010 4Runner)		

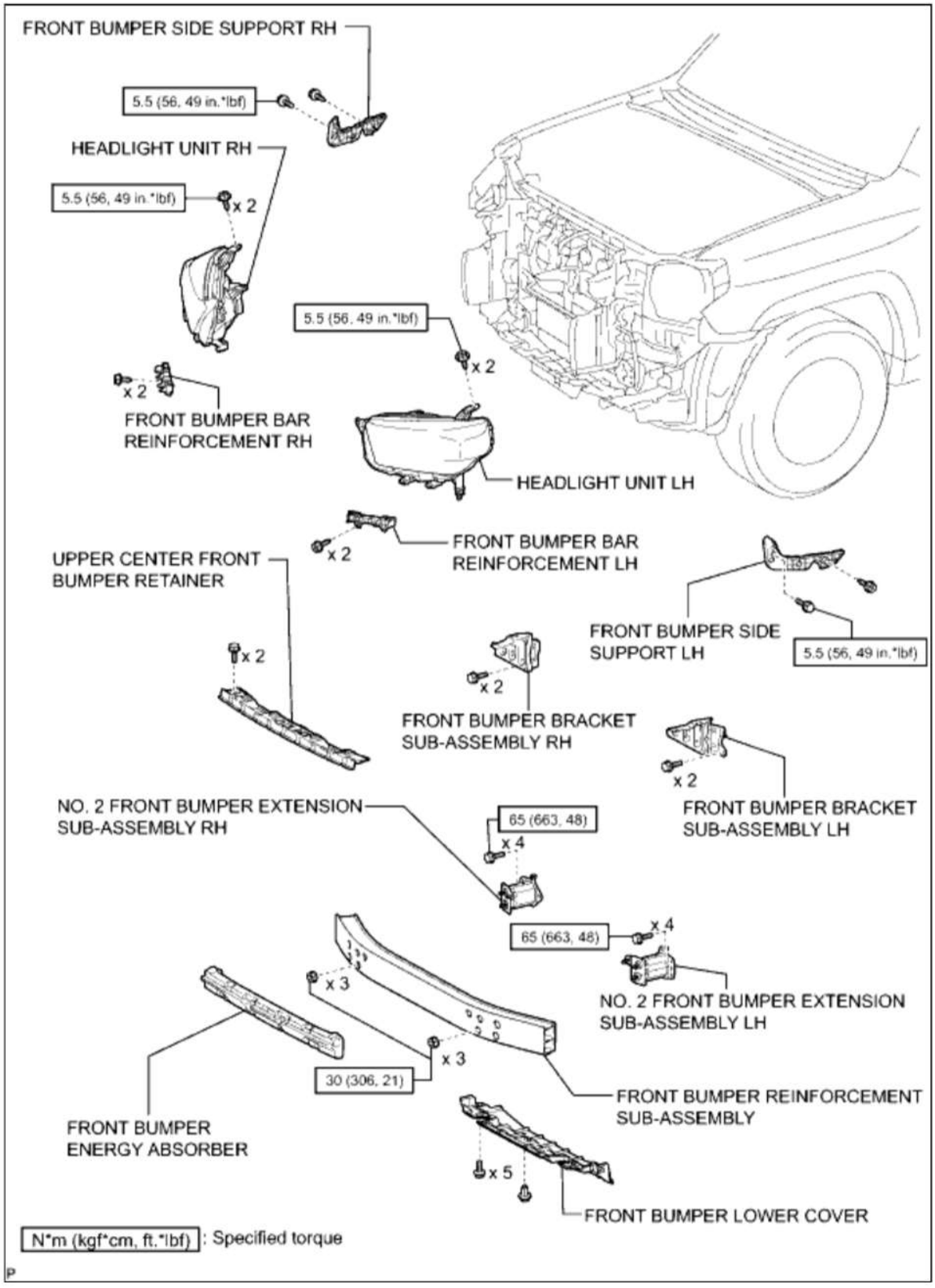
COMPONENTS

ILLUSTRATION



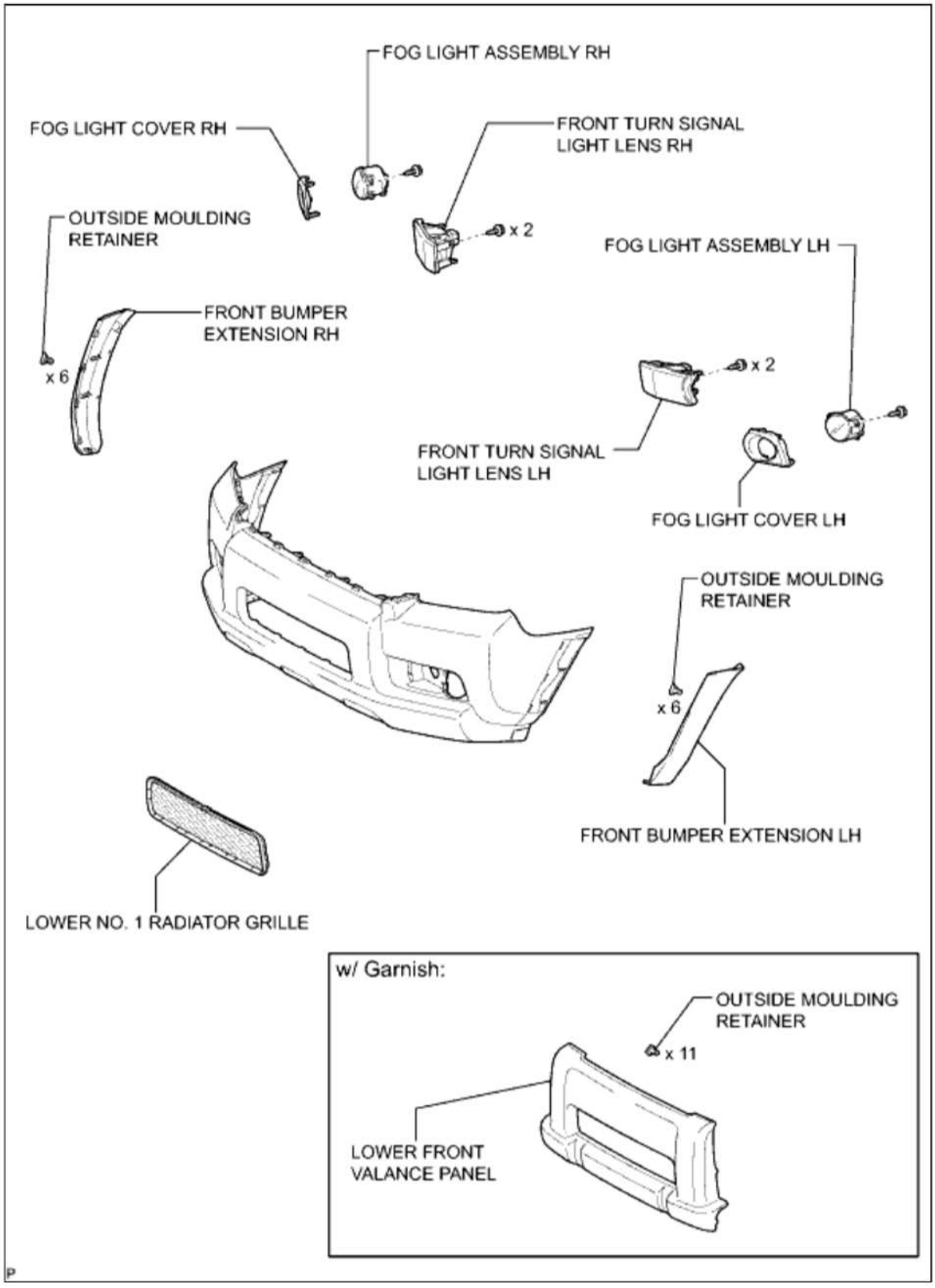
cardiagn.com

ILLUSTRATION



cardiagn.com

ILLUSTRATION



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000038JX00AX
Title: EXTERIOR PANELS / TRIM: FRONT BUMPER: REMOVAL (2010 4Runner)		

REMOVAL

1. REMOVE UPPER RADIATOR SUPPORT SEAL

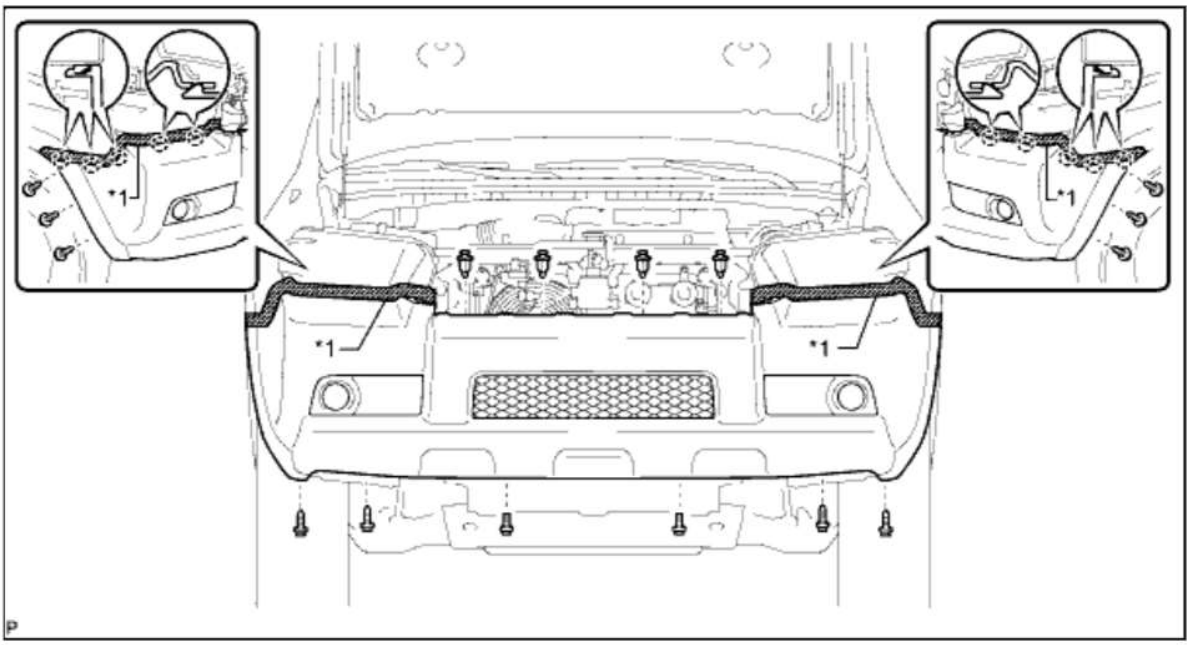
2. REMOVE RADIATOR GRILLE

3. REMOVE FRONT BUMPER COVER

(a) Put protective tape around the front bumper cover.

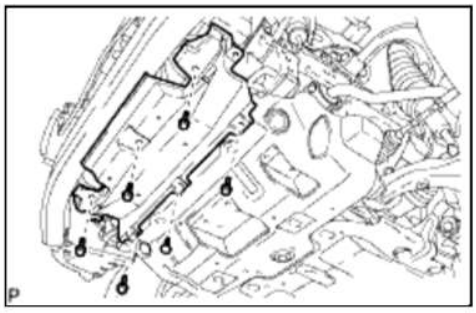
(b) Remove the 2 bolts, 10 screws and 4 clips.

(c) Detach the 10 claws and remove the front bumper cover.



Text in Illustration

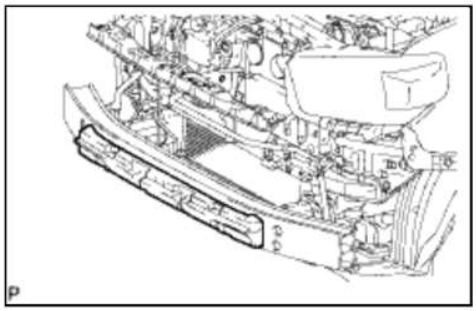
*1	Protective Tape	-	-



4. REMOVE FRONT BUMPER LOWER COVER

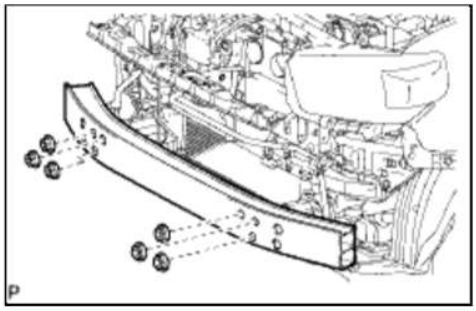
(a) Remove the clip, 5 bolts and front bumper lower cover.

cardiagn.com



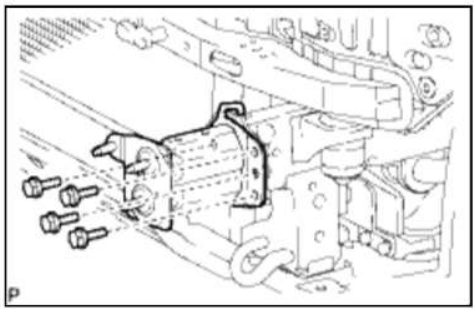
5. REMOVE FRONT BUMPER ENERGY ABSORBER

(a) Remove the front bumper energy absorber.



6. REMOVE FRONT BUMPER REINFORCEMENT SUB-ASSEMBLY

(a) Remove the 6 nuts and front bumper reinforcement.



7. REMOVE NO. 2 FRONT BUMPER EXTENSION SUB-ASSEMBLY LH

(a) Remove the 4 bolts and No. 2 front bumper extension.

8. REMOVE NO. 2 FRONT BUMPER EXTENSION SUB-ASSEMBLY RH

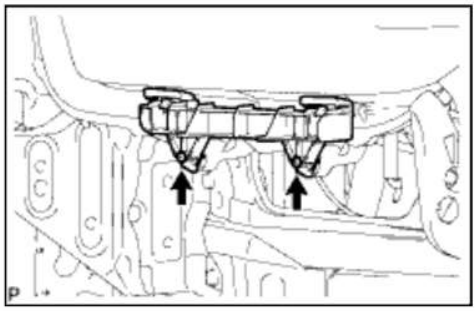
HINT:

Use the same procedure described for the LH side.

9. REMOVE FRONT BUMPER BAR REINFORCEMENT LH

(a) Remove the 2 screws and front bumper bar reinforcement.

cardiagn.com



10. REMOVE FRONT BUMPER BAR REINFORCEMENT RH

HINT:

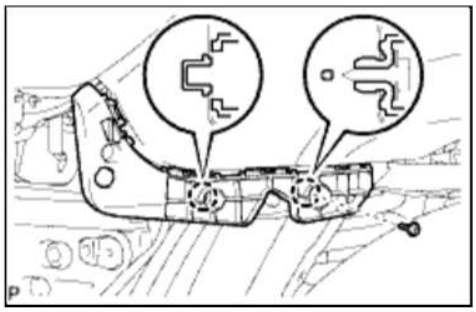
Use the same procedure described for the LH side.

11. REMOVE HEADLIGHT UNIT LH INFO

12. REMOVE HEADLIGHT UNIT RH

HINT:

Use the same procedure described for the LH side.



13. REMOVE FRONT BUMPER SIDE SUPPORT LH

(a) Remove the screw.

(b) Detach the 2 claws and remove the front bumper side support.

14. REMOVE FRONT BUMPER SIDE SUPPORT RH

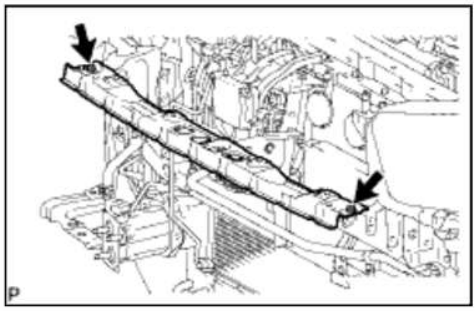
HINT:

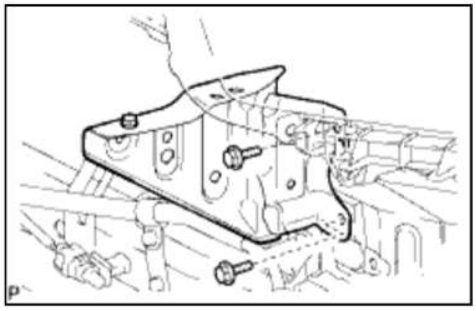
Use the same procedure described for the LH side.

15. REMOVE UPPER CENTER FRONT BUMPER RETAINER

(a) Remove the 2 bolts and upper center front bumper retainer.

cardiagn.com





16. REMOVE FRONT BUMPER BRACKET SUB-ASSEMBLY LH

(a) Remove the 2 bolts and front bumper bracket.

17. REMOVE FRONT BUMPER BRACKET SUB-ASSEMBLY RH

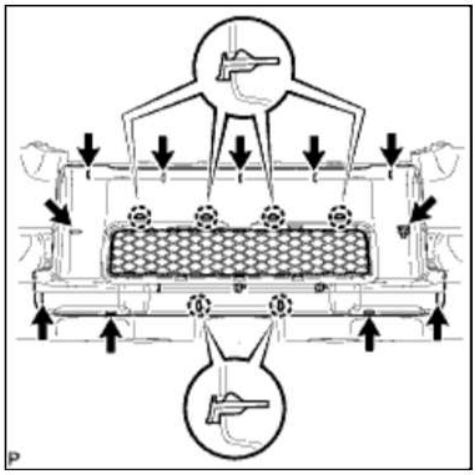
HINT:

Use the same procedure described for the LH side.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000004763000X
Title: EXTERIOR PANELS / TRIM: FRONT BUMPER: DISASSEMBLY (2010 4Runner)		

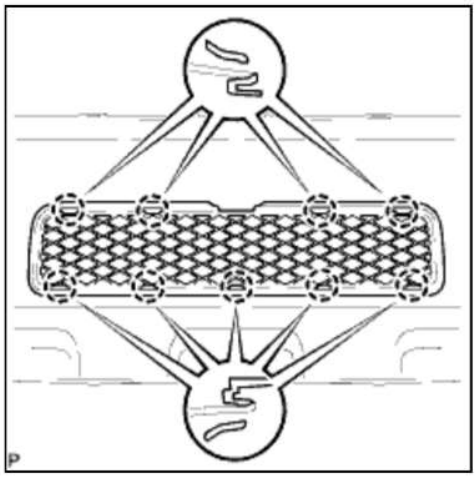
DISASSEMBLY



1. REMOVE LOWER FRONT VALANCE PANEL (w/ Garnish)

(a) Remove the 11 outside moulding retainers.

(b) Detach the 6 claws and remove the lower front valance plate.



2. REMOVE LOWER NO. 1 RADIATOR GRILLE

(a) Detach the 9 claws and remove the lower No. 1 radiator grille.

3. REMOVE FRONT TURN SIGNAL LIGHT LENS LH INFO

4. REMOVE FRONT TURN SIGNAL LIGHT LENS RH

HINT:

Use the same procedure described for the LH side.

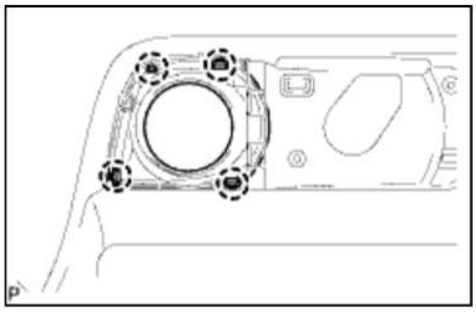
5. REMOVE FOG LIGHT ASSEMBLY LH INFO

6. REMOVE FOG LIGHT ASSEMBLY RH

cardiagn.com

HINT:

Use the same procedure described for the LH side.



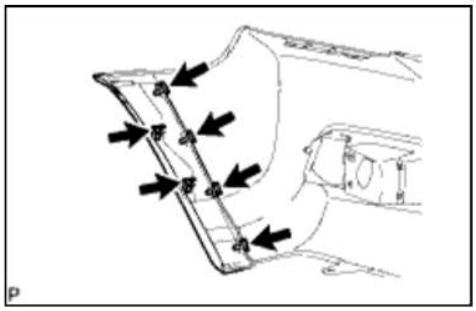
7. REMOVE FOG LIGHT COVER LH

(a) Detach the 4 claws and remove the fog light cover.

8. REMOVE FOG LIGHT COVER RH

HINT:

Use the same procedure described for the LH side.



9. REMOVE FRONT BUMPER EXTENSION LH

(a) Remove the 6 outside moulding retainers and front bumper extension.

10. REMOVE FRONT BUMPER EXTENSION RH

HINT:

Use the same procedure described for the LH side.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000004764000X
Title: EXTERIOR PANELS / TRIM: FRONT BUMPER: REASSEMBLY (2010 4Runner)		

REASSEMBLY

1. INSTALL FRONT BUMPER EXTENSION LH

(a) Install the front bumper extension with the 6 outside moulding retainers.

2. INSTALL FRONT BUMPER EXTENSION RH

HINT:

Use the same procedure described for the LH side.

3. INSTALL FOG LIGHT COVER LH

(a) Attach the 4 claws to install the fog light cover.

4. INSTALL FOG LIGHT COVER RH

HINT:

Use the same procedure described for the LH side.

5. INSTALL FOG LIGHT ASSEMBLY LH INFO

6. INSTALL FOG LIGHT ASSEMBLY RH

HINT:

Use the same procedure described for the LH side.

7. INSTALL FRONT TURN SIGNAL LIGHT LENS LH INFO

8. INSTALL FRONT TURN SIGNAL LIGHT LENS RH

HINT:

Use the same procedure described for the LH side.

9. INSTALL LOWER NO. 1 RADIATOR GRILLE

(a) Attach the 9 claws to install the lower No. 1 radiator grille.

10. INSTALL LOWER FRONT VALANCE PANEL (w/ Garnish)

(a) Attach the 6 claws to install the lower front valance panel.

(b) Install the 11 outside moulding retainers.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000038JV00AX
Title: EXTERIOR PANELS / TRIM: FRONT BUMPER: INSTALLATION (2010 4Runner)		

INSTALLATION

HINT:

A bolt without a torque specification is shown in the standard bolt chart INFO .

1. INSTALL FRONT BUMPER BRACKET SUB-ASSEMBLY LH

(a) Install the front bumper bracket with the 2 bolts.

2. INSTALL FRONT BUMPER BRACKET SUB-ASSEMBLY RH

HINT:

Use the same procedure described for the LH side.

3. INSTALL UPPER CENTER FRONT BUMPER RETAINER

(a) Install the upper center front bumper retainer with the 2 bolts.

4. INSTALL FRONT BUMPER SIDE SUPPORT LH

(a) Attach the 2 claws to install the front bumper side support.

(b) Install the screw.

5. INSTALL FRONT BUMPER SIDE SUPPORT RH

HINT:

Use the same procedure described for the LH side.

6. INSTALL HEADLIGHT UNIT LH INFO

7. INSTALL HEADLIGHT UNIT RH

HINT:

Use the same procedure described for the LH side.

8. INSTALL FRONT BUMPER BAR REINFORCEMENT LH

(a) Install the front bumper bar reinforcement with the 2 screws.

9. INSTALL FRONT BUMPER BAR REINFORCEMENT RH

HINT:

Use the same procedure described for the LH side.

10. INSTALL NO. 2 FRONT BUMPER EXTENSION SUB-ASSEMBLY LH

(a) Install the No. 2 front bumper extension with the 4 bolts.

Torque: 65 N·m (663 kgf·cm, 48ft·lbf)

11. INSTALL NO. 2 FRONT BUMPER EXTENSION SUB-ASSEMBLY RH

cardiagn.com

HINT:

Use the same procedure described for the LH side.

12. INSTALL FRONT BUMPER REINFORCEMENT SUB-ASSEMBLY

(a) Install the front bumper reinforcement with the 6 nuts.

Torque: 30 N·m (306 kgf·cm, 21ft·lbf)

13. INSTALL FRONT BUMPER ENERGY ABSORBER

(a) Install the front bumper energy absorber.

14. INSTALL FRONT BUMPER LOWER COVER

(a) Install the front bumper lower cover with the 5 bolts and clip.

15. INSTALL FRONT BUMPER COVER

(a) Attach the 10 claws to install the front bumper cover.

(b) Install the 2 bolts, 10 screws and 4 clips.

16. INSTALL RADIATOR GRILLE INFO

17. INSTALL UPPER RADIATOR SUPPORT SEAL INFO

18. ADJUST FOG LIGHT AIMING

(a) Adjust the fog light aiming INFO .

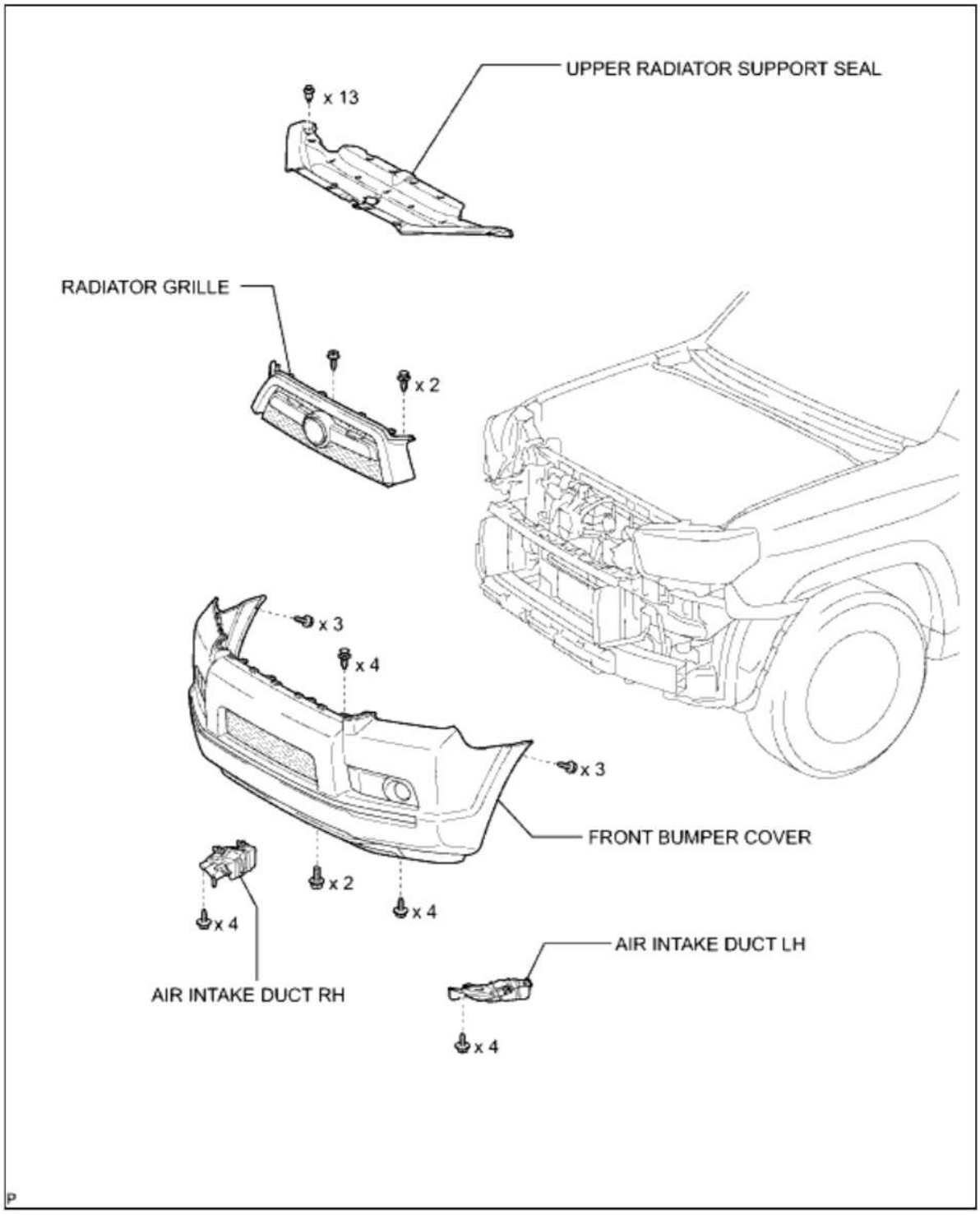


cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000476H000X
Title: EXTERIOR PANELS / TRIM: FRONT BUMPER (for X-Runner): COMPONENTS (2010 4Runner)		

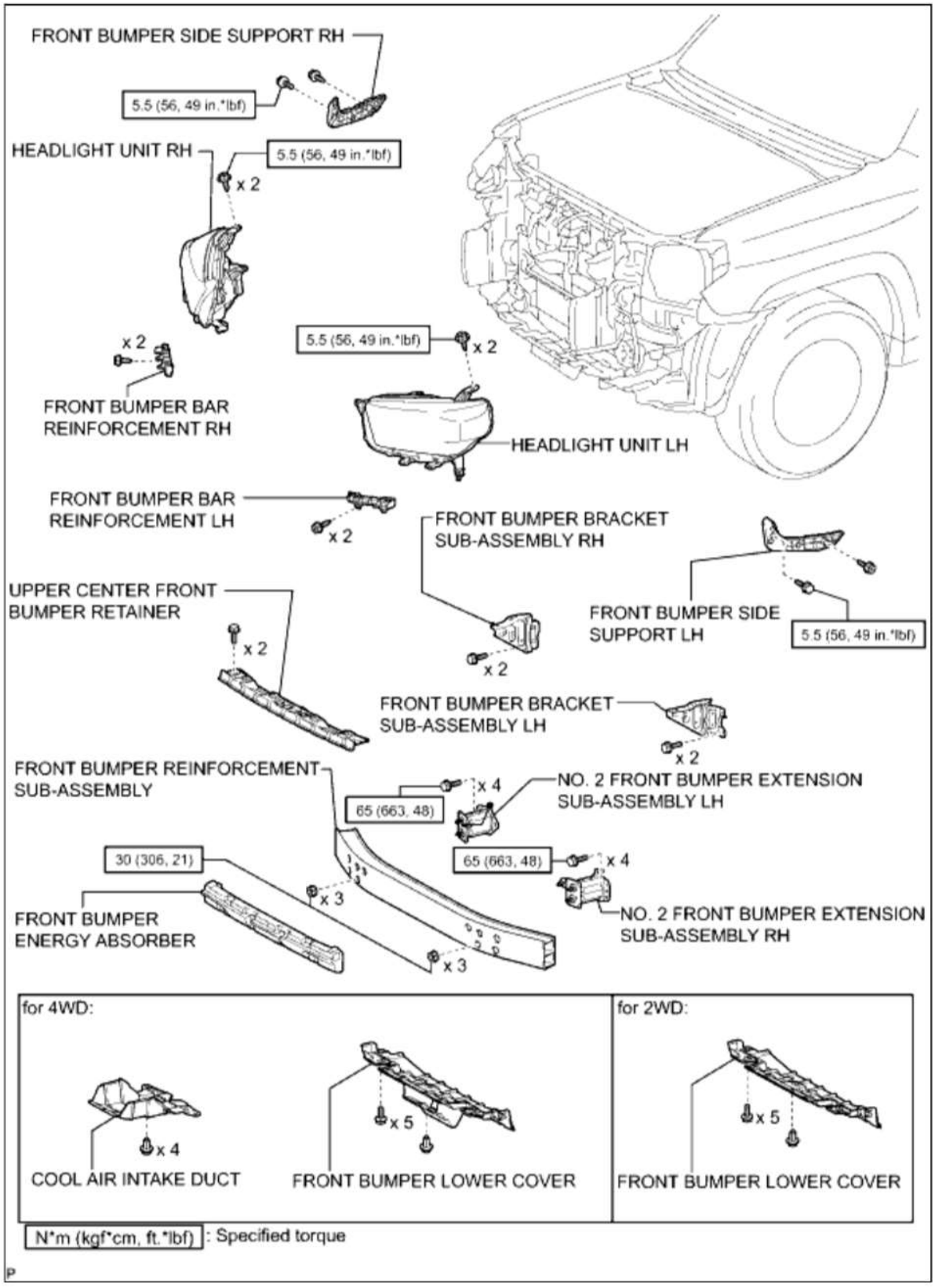
COMPONENTS

ILLUSTRATION



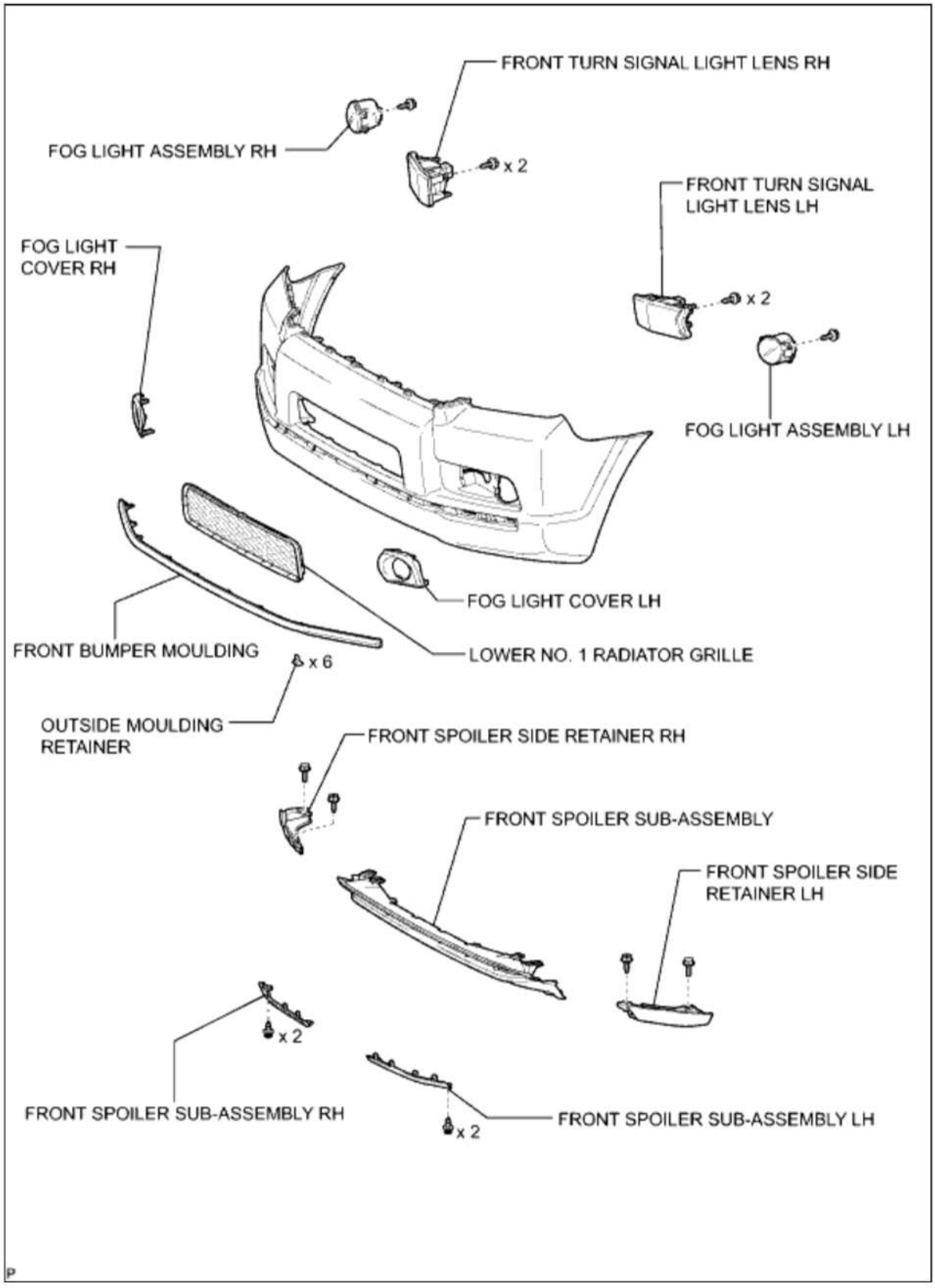
cardiagn.com

ILLUSTRATION



cardiagn.com

ILLUSTRATION



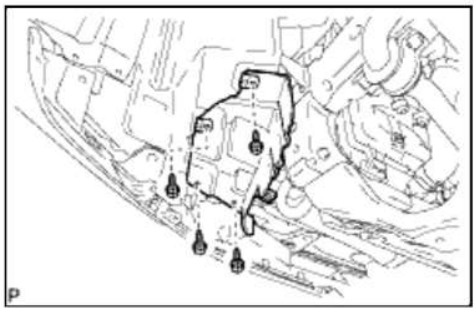
cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000038JX00CX
Title: EXTERIOR PANELS / TRIM: FRONT BUMPER (for X-Runner): REMOVAL (2010 4Runner)		

REMOVAL

1. REMOVE UPPER RADIATOR SUPPORT SEAL

2. REMOVE RADIATOR GRILLE



3. REMOVE AIR INTAKE DUCT LH

(a) Remove the 4 screws and air intake duct.

4. REMOVE AIR INTAKE DUCT RH

HINT:

Use the same procedure described for the LH side.

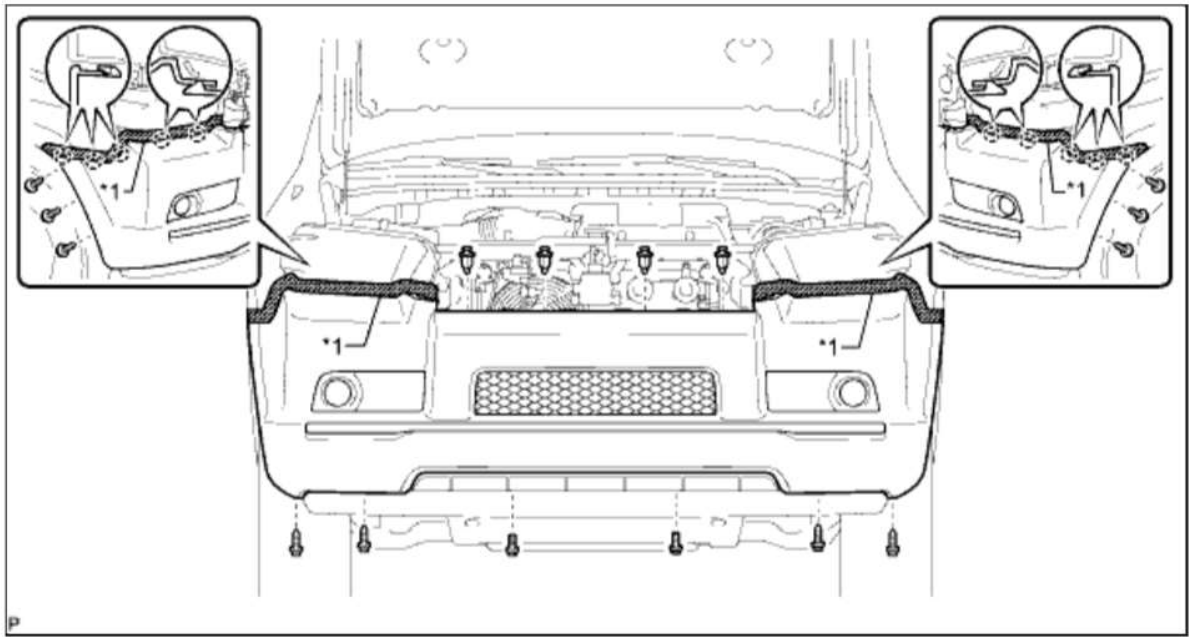
5. REMOVE FRONT BUMPER COVER

(a) Put protective tape around the front bumper cover.

(b) Remove the 2 bolts, 10 screws and 4 clips.

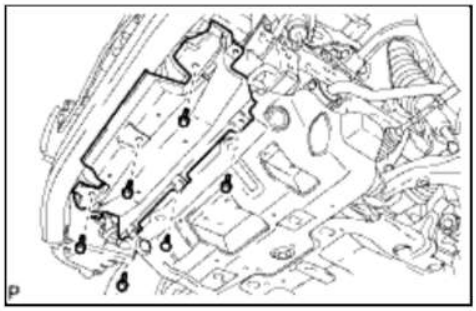
(c) Detach the 10 claws and remove the front bumper cover.

cardiagn.com



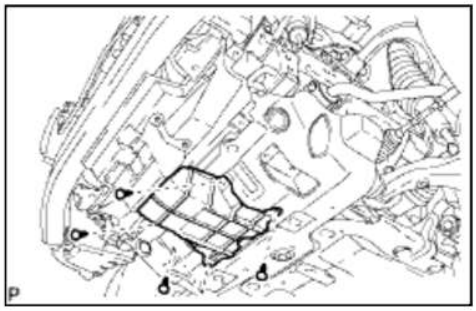
Text in Illustration

*1	Protective Tape	-	-



6. REMOVE FRONT BUMPER LOWER COVER (for 2WD)

(a) Remove the clip, 5 bolts and front bumper lower cover.



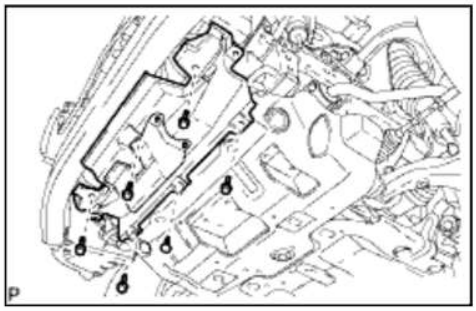
7. REMOVE COOL AIR INTAKE DUCT (for 4WD)

(a) Remove the 4 clips and cool air intake duct.

8. REMOVE FRONT BUMPER LOWER COVER (for 4WD)

(a) Remove the clip, 5 bolts and front bumper lower cover.

cardiagn.com



9. REMOVE FRONT BUMPER ENERGY ABSORBER INFO

10. REMOVE FRONT BUMPER REINFORCEMENT SUB-ASSEMBLY INFO

11. REMOVE NO. 2 FRONT BUMPER EXTENSION SUB-ASSEMBLY LH INFO

12. REMOVE NO. 2 FRONT BUMPER EXTENSION SUB-ASSEMBLY RH

HINT:

Use the same procedure described for the LH side.

13. REMOVE FRONT BUMPER BAR REINFORCEMENT LH INFO

14. REMOVE FRONT BUMPER BAR REINFORCEMENT RH

HINT:

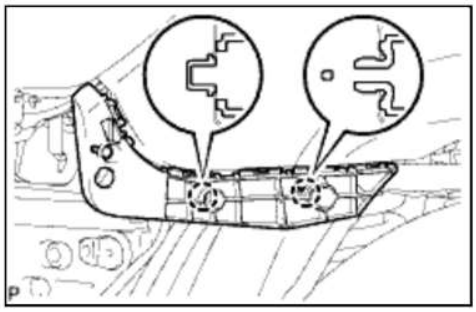
Use the same procedure described for the LH side.

15. REMOVE HEADLIGHT UNIT LH INFO

16. REMOVE HEADLIGHT UNIT RH

HINT:

Use the same procedure described for the LH side.



17. REMOVE FRONT BUMPER SIDE SUPPORT LH

(a) Remove the screw.

(b) Detach the 2 claws and remove the front bumper side support.

18. REMOVE FRONT BUMPER SIDE SUPPORT RH

HINT:

cardiagn.com

Use the same procedure described for the LH side.

19. REMOVE UPPER CENTER FRONT BUMPER RETAINER INFO

20. REMOVE FRONT BUMPER BRACKET SUB-ASSEMBLY LH INFO

21. REMOVE FRONT BUMPER BRACKET SUB-ASSEMBLY RH

HINT:

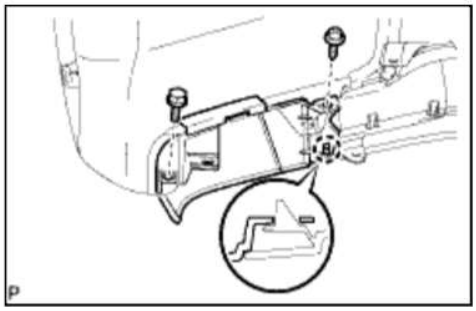
Use the same procedure described for the LH side.



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000004763001X
Title: EXTERIOR PANELS / TRIM: FRONT BUMPER (for X-Runner): DISASSEMBLY (2010 4Runner)		

DISASSEMBLY



1. REMOVE FRONT SPOILER SIDE RETAINER LH

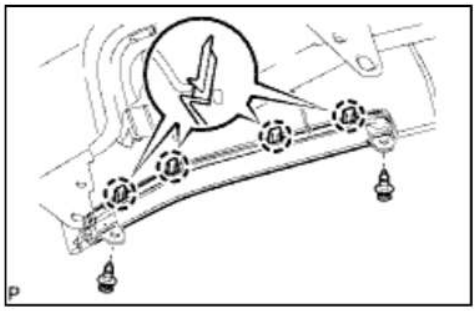
(a) Remove the 2 screws.

(b) Detach the claw and remove the front spoiler side retainer.

2. REMOVE FRONT SPOILER SIDE RETAINER RH

HINT:

Use the same procedure described for the LH side.



3. REMOVE FRONT SPOILER SUB-ASSEMBLY LH

(a) Remove the 2 clips.

(b) Detach the 4 claws and remove the front spoiler.

4. REMOVE FRONT SPOILER SUB-ASSEMBLY RH

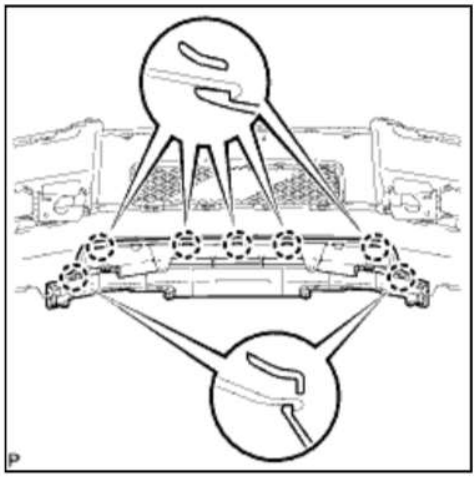
HINT:

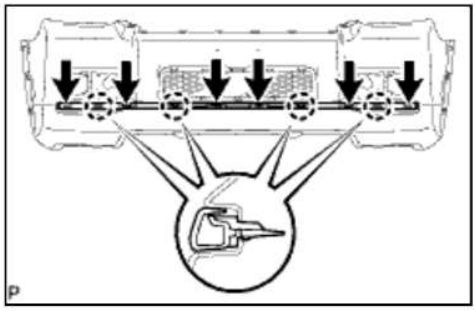
Use the same procedure described for the LH side.

5. REMOVE FRONT SPOILER SUB-ASSEMBLY

(a) Detach the 7 claws and remove the front spoiler.

cardiagn.com





6. REMOVE FRONT BUMPER MOULDING

(a) Remove the 6 outside moulding retainers.

(b) Detach the 4 claws and remove the front bumper moulding.

7. REMOVE LOWER NO. 1 RADIATOR GRILLE INFO

8. REMOVE FRONT TURN SIGNAL LIGHT LENS LH INFO

9. REMOVE FRONT TURN SIGNAL LIGHT LENS RH

HINT:

Use the same procedure described for the LH side.

10. REMOVE FOG LIGHT ASSEMBLY LH INFO

11. REMOVE FOG LIGHT ASSEMBLY RH

HINT:

Use the same procedure described for the LH side.

12. REMOVE FOG LIGHT COVER LH INFO

13. REMOVE FOG LIGHT COVER RH

HINT:

Use the same procedure described for the LH side.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000004764001X
Title: EXTERIOR PANELS / TRIM: FRONT BUMPER (for X-Runner): REASSEMBLY (2010 4Runner)		

REASSEMBLY

1. INSTALL FOG LIGHT COVER LH INFO

2. INSTALL FOG LIGHT COVER RH

HINT:

Use the same procedure described for the LH side.

3. INSTALL FOG LIGHT ASSEMBLY LH INFO

4. INSTALL FOG LIGHT ASSEMBLY RH

HINT:

Use the same procedure described for the LH side.

5. INSTALL FRONT TURN SIGNAL LIGHT LENS LH INFO

6. INSTALL FRONT TURN SIGNAL LIGHT LENS RH

HINT:

Use the same procedure described for the LH side.

7. INSTALL LOWER NO. 1 RADIATOR GRILLE INFO

8. INSTALL FRONT BUMPER MOULDING

(a) Attach the 4 claws to install the front bumper moulding.

(b) Install the 6 outside moulding retainers.

9. INSTALL FRONT SPOILER SUB-ASSEMBLY

(a) Attach the 7 claws to install the front spoiler.

10. INSTALL FRONT SPOILER SUB-ASSEMBLY LH

(a) Attach the 4 claws to install the front spoiler

(b) Install the 2 clips.

11. INSTALL FRONT SPOILER SUB-ASSEMBLY RH

HINT:

Use the same procedure described for the LH side.

12. INSTALL FRONT SPOILER SIDE RETAINER LH

(a) Attach the claw to install the front spoiler side retainer.

(b) Install the 2 screws.

13. INSTALL FRONT SPOILER SIDE RETAINER RH

cardiagn.com

HINT:

Use the same procedure described for the LH side.



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000038JV00CX
Title: EXTERIOR PANELS / TRIM: FRONT BUMPER (for X-Runner): INSTALLATION (2010 4Runner)		

INSTALLATION

HINT:

A bolt without a torque specification is shown in the standard bolt chart INFO .

1. INSTALL FRONT BUMPER BRACKET SUB-ASSEMBLY LH INFO

2. INSTALL FRONT BUMPER BRACKET SUB-ASSEMBLY RH

HINT:

Use the same procedure described for the LH side.

3. INSTALL UPPER CENTER FRONT BUMPER RETAINER INFO

4. INSTALL FRONT BUMPER SIDE SUPPORT LH

(a) Attach the 2 claws to install the front bumper side support.

(b) Install the screw.

5. INSTALL FRONT BUMPER SIDE SUPPORT RH

HINT:

Use the same procedure described for the LH side.

6. INSTALL HEADLIGHT UNIT LH INFO

7. INSTALL HEADLIGHT UNIT RH

HINT:

Use the same procedure described for the LH side.

8. INSTALL FRONT BUMPER BAR REINFORCEMENT LH INFO

9. INSTALL FRONT BUMPER BAR REINFORCEMENT RH

HINT:

Use the same procedure described for the LH side.

10. INSTALL NO. 2 FRONT BUMPER EXTENSION SUB-ASSEMBLY LH INFO

11. INSTALL NO. 2 FRONT BUMPER EXTENSION SUB-ASSEMBLY RH

HINT:

Use the same procedure described for the LH side.

12. INSTALL FRONT BUMPER REINFORCEMENT SUB-ASSEMBLY INFO

cardiagn.com

13. INSTALL FRONT BUMPER ENERGY ABSORBER INFO

14. INSTALL FRONT BUMPER LOWER COVER (for 2WD)

(a) Install the front bumper lower cover with the 5 bolts and clip.

15. INSTALL FRONT BUMPER LOWER COVER (for 4WD)

(a) Install the front bumper lower cover with the 5 bolts and clip.

16. INSTALL COOL AIR INTAKE DUCT (for 4WD)

(a) Install the cool air intake duct with the 4 clips.

17. INSTALL FRONT BUMPER COVER

(a) Attach the 10 claws to install the front bumper cover.

(b) Install the 2 bolts, 10 screws and 4 clips.

18. INSTALL AIR INTAKE DUCT LH

(a) Install the air intake duct with the 4 screws.

19. INSTALL AIR INTAKE DUCT RH

HINT:

Use the same procedure described for the LH side.

20. INSTALL RADIATOR GRILLE INFO

21. INSTALL UPPER RADIATOR SUPPORT SEAL INFO

22. ADJUST FOG LIGHT AIMING

(a) Adjust the fog light aiming INFO .



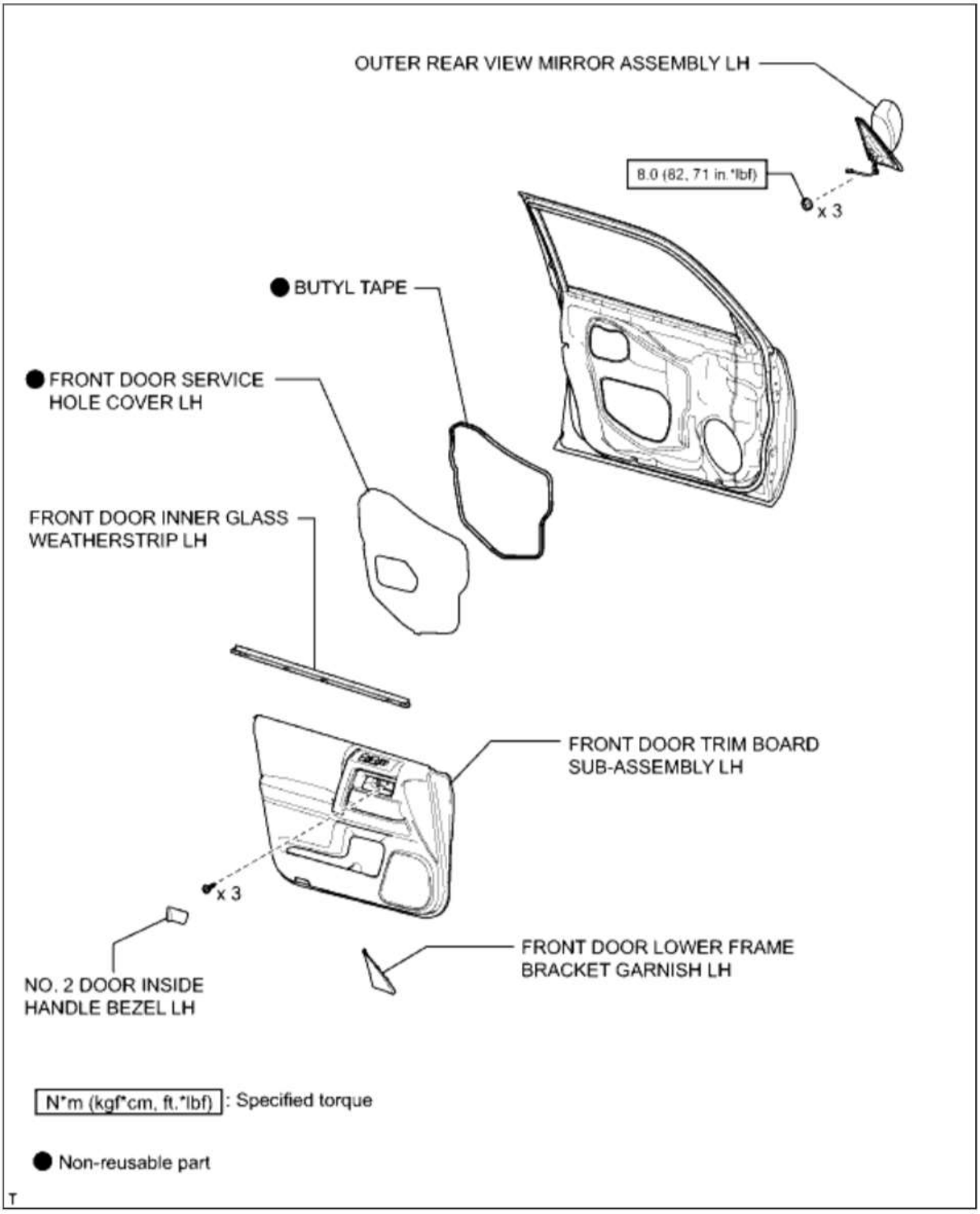
cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000478B001X
Title: EXTERIOR PANELS / TRIM: FRONT DOOR BELT MOULDING: COMPONENTS (2010 4Runner)		

COMPONENTS

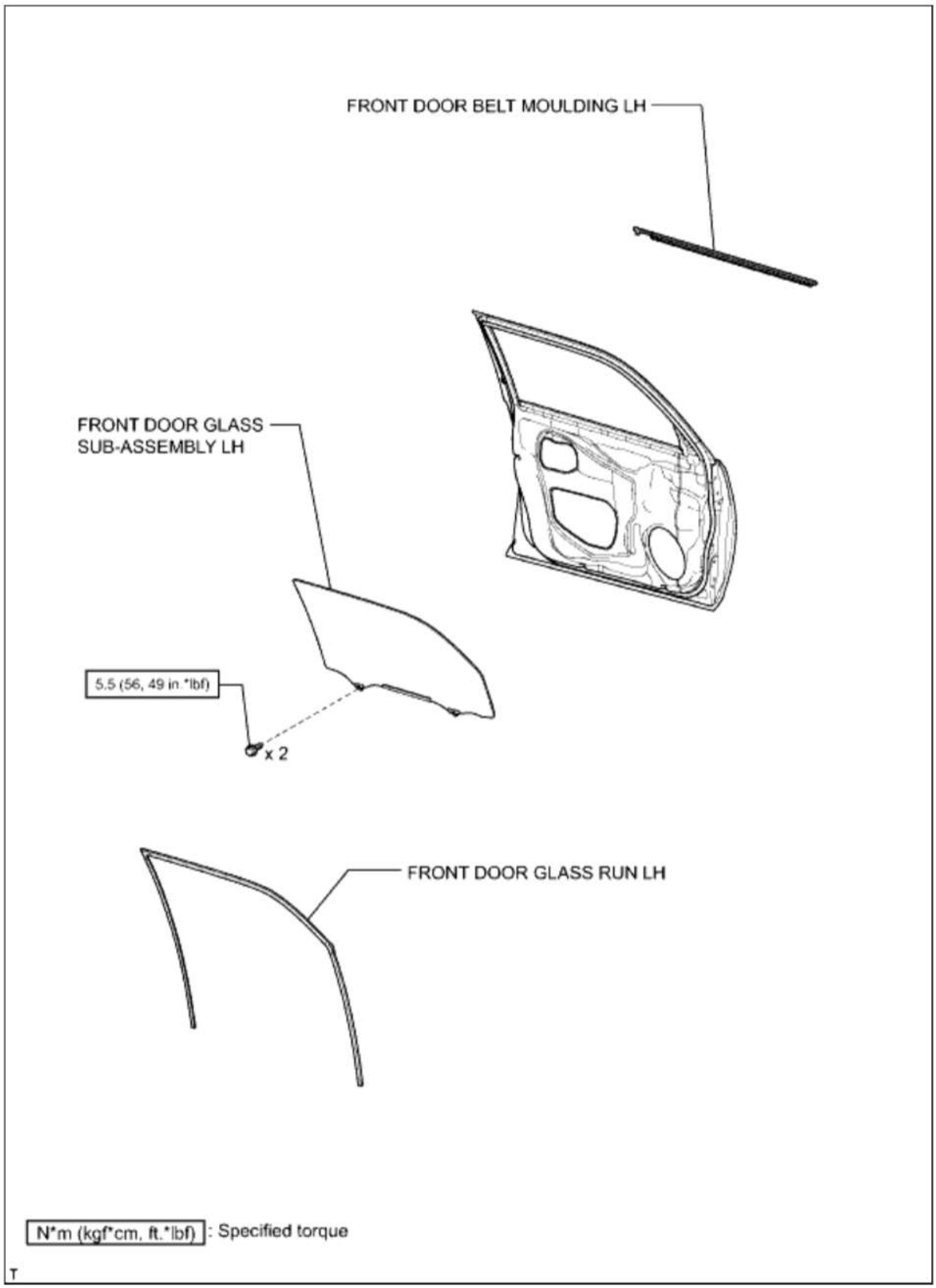
ILLUSTRATION

cardiagn.com



ILLUSTRATION

cardiagn.com



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000038KM00GX
Title: EXTERIOR PANELS / TRIM: FRONT DOOR BELT MOULDING: 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 INFO .

2. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH LH INFO

3. REMOVE NO. 2 DOOR INSIDE HANDLE BEZEL LH INFO

4. REMOVE FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH INFO

5. REMOVE FRONT DOOR INNER GLASS WEATHERSTRIP LH INFO

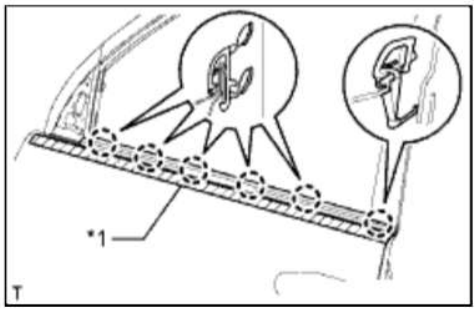
6. REMOVE FRONT DOOR SERVICE HOLE COVER LH INFO

7. REMOVE OUTER REAR VIEW MIRROR ASSEMBLY LH INFO

8. REMOVE FRONT DOOR GLASS SUB-ASSEMBLY LH INFO

9. REMOVE FRONT DOOR GLASS RUN LH INFO

10. REMOVE FRONT DOOR BELT MOULDING LH



(a) Put protective tape around the belt moulding.

Text in Illustration

*1	Protective Tape

(b) Detach the 6 claws and remove the front door belt moulding.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000038KK00GX
Title: EXTERIOR PANELS / TRIM: FRONT DOOR BELT MOULDING: 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 BELT MOULDING LH

(a) Attach the 6 claws to install the front door belt moulding.

2. INSTALL FRONT DOOR GLASS RUN LH INFO

3. INSTALL FRONT DOOR GLASS SUB-ASSEMBLY LH INFO

4. INSTALL OUTER REAR VIEW MIRROR ASSEMBLY LH INFO

5. INSTALL FRONT DOOR SERVICE HOLE COVER LH INFO

6. INSTALL FRONT DOOR INNER GLASS WEATHERSTRIP LH INFO

7. INSTALL FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH INFO

8. INSTALL NO. 2 DOOR INSIDE HANDLE BEZEL LH INFO

9. INSTALL FRONT DOOR LOWER FRAME BRACKET GARNISH LH INFO

10. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

NOTICE:

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

11. CHECK SRS WARNING LIGHT

(a) Check the SRS warning light INFO .

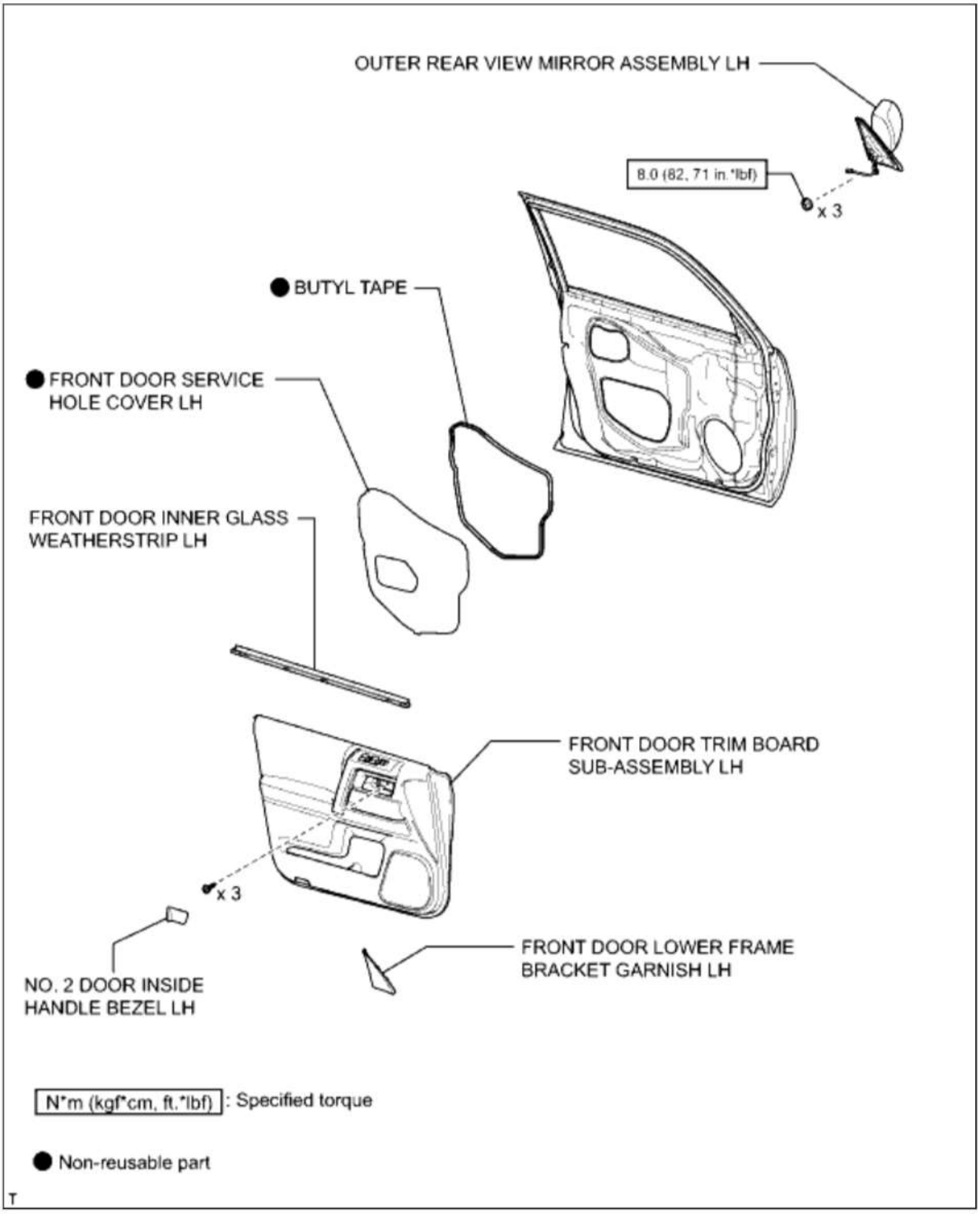
cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000478B002X
Title: EXTERIOR PANELS / TRIM: FRONT DOOR WINDOW FRAME MOULDING: COMPONENTS (2010 4Runner)		

COMPONENTS

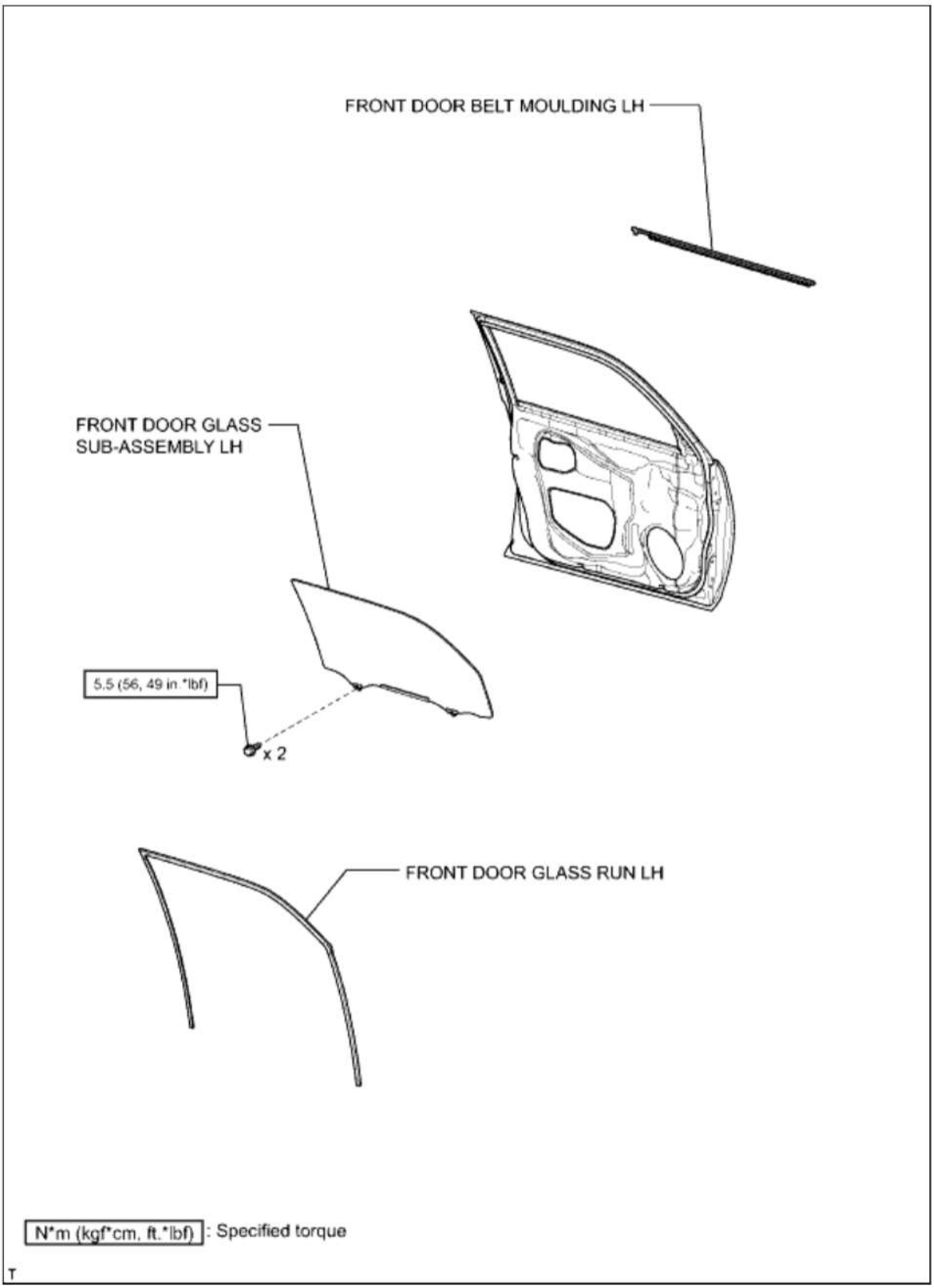
ILLUSTRATION

cardiagn.com



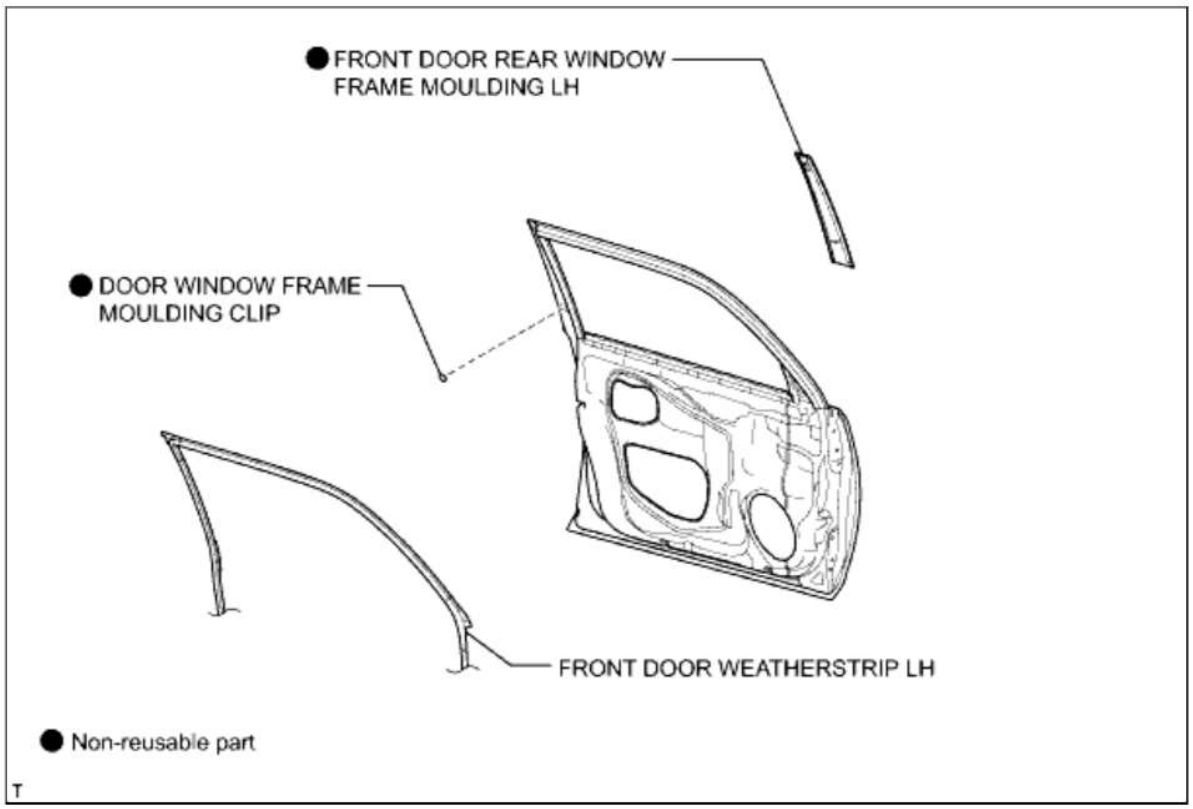
ILLUSTRATION

cardiagn.com



ILLUSTRATION

cardiagn.com



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000038KM00HX
Title: EXTERIOR PANELS / TRIM: FRONT DOOR WINDOW FRAME MOULDING: REMOVAL (2010 4Runner)		

REMOVAL

HINT:

- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.
- When removing the window frame moulding, heat the vehicle body and window frame moulding using a heat light.

Standard:

ITEM	TEMPERATURE
Vehicle Body	40 to 60°C (104 to 140°F)
Window Frame Moulding	20 to 30°C (68 to 86°F)

NOTICE:

Do not heat the vehicle body or window frame moulding excessively.

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 INFO .

2. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH LH INFO

3. REMOVE NO. 2 DOOR INSIDE HANDLE BEZEL LH INFO

4. REMOVE FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH INFO

5. REMOVE FRONT DOOR INNER GLASS WEATHERSTRIP LH INFO

6. REMOVE FRONT DOOR SERVICE HOLE COVER LH INFO

7. REMOVE OUTER REAR VIEW MIRROR ASSEMBLY LH INFO

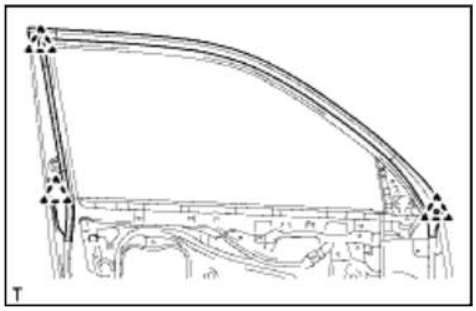
8. REMOVE FRONT DOOR GLASS SUB-ASSEMBLY LH INFO

9. REMOVE FRONT DOOR GLASS RUN LH INFO

10. REMOVE FRONT DOOR BELT MOULDING LH INFO

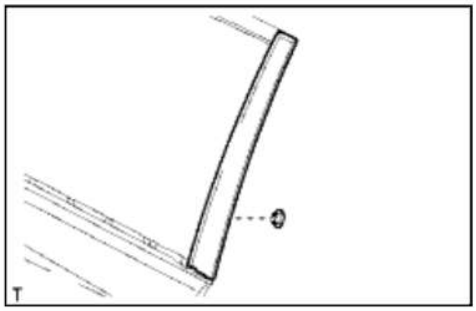
11. REMOVE FRONT DOOR WEATHERSTRIP LH

cardiagn.com

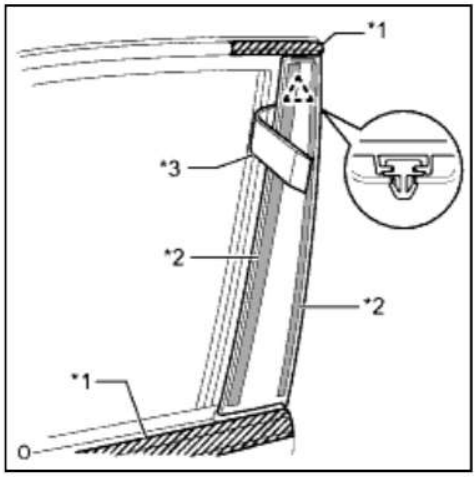


(a) Detach the 3 clips and remove the upper part of the front door weatherstrip so that the moulding can be removed.

12. REMOVE FRONT DOOR REAR WINDOW FRAME MOULDING LH



(a) Remove the door window frame moulding clip.



(b) Put protective tape around the front door rear window frame moulding.

Text in Illustration

*1	Protective Tape
*2	Double-sided Tape
*3	Moulding Remover

(c) Using a moulding remover, detach the clip and remove the double-sided tape to remove the front door rear window frame moulding.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000038KK00HX
Title: EXTERIOR PANELS / TRIM: FRONT DOOR WINDOW FRAME MOULDING: INSTALLATION (2010 4Runner)		

INSTALLATION

HINT:

- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.
- When installing the window frame moulding, heat the vehicle body and window frame moulding using a heat light.

Standard:

ITEM	TEMPERATURE
Vehicle Body	40 to 60°C (104 to 140°F)
Window Frame Moulding	20 to 30°C (68 to 86°F)

NOTICE:

Do not heat the vehicle body or window frame moulding excessively.

1. INSTALL FRONT DOOR REAR WINDOW FRAME MOULDING LH

(a) Clean the vehicle body surface.

(1) Using a heat light, heat the vehicle body surface.

(2) Remove the double-sided tape from the vehicle body surface.

(3) Wipe off any tape adhesive residue with cleaner.

(b) Install a new front door rear window frame moulding.

(1) Using a heat light, heat a new front door rear window frame moulding and the vehicle body surface.

(2) Remove the peeling paper from the face of the front door rear window frame moulding.

HINT:

After removing the peeling paper, keep the exposed adhesive free from foreign matter.

(3) Attach the clip and double-sided tape to install the front door rear window frame moulding.

HINT:

Press the front door rear window frame moulding firmly to install it.

(c) Install a new door window frame moulding clip.

2. INSTALL FRONT DOOR WEATHERSTRIP LH

(a) Attach the 3 clips to install the upper part of the front door weatherstrip.

3. INSTALL FRONT DOOR BELT MOULDING LH INFO

cardiagn.com

4. INSTALL FRONT DOOR GLASS RUN LH INFO

5. INSTALL FRONT DOOR GLASS SUB-ASSEMBLY LH INFO

6. INSTALL OUTER REAR VIEW MIRROR ASSEMBLY LH INFO

7. INSTALL FRONT DOOR SERVICE HOLE COVER LH INFO

8. INSTALL FRONT DOOR INNER GLASS WEATHERSTRIP LH INFO

9. INSTALL FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH INFO

10. INSTALL NO. 2 DOOR INSIDE HANDLE BEZEL LH INFO

11. INSTALL FRONT DOOR LOWER FRAME BRACKET GARNISH LH INFO

12. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

NOTICE:

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

13. CHECK SRS WARNING LIGHT

(a) Check the SRS warning light INFO .

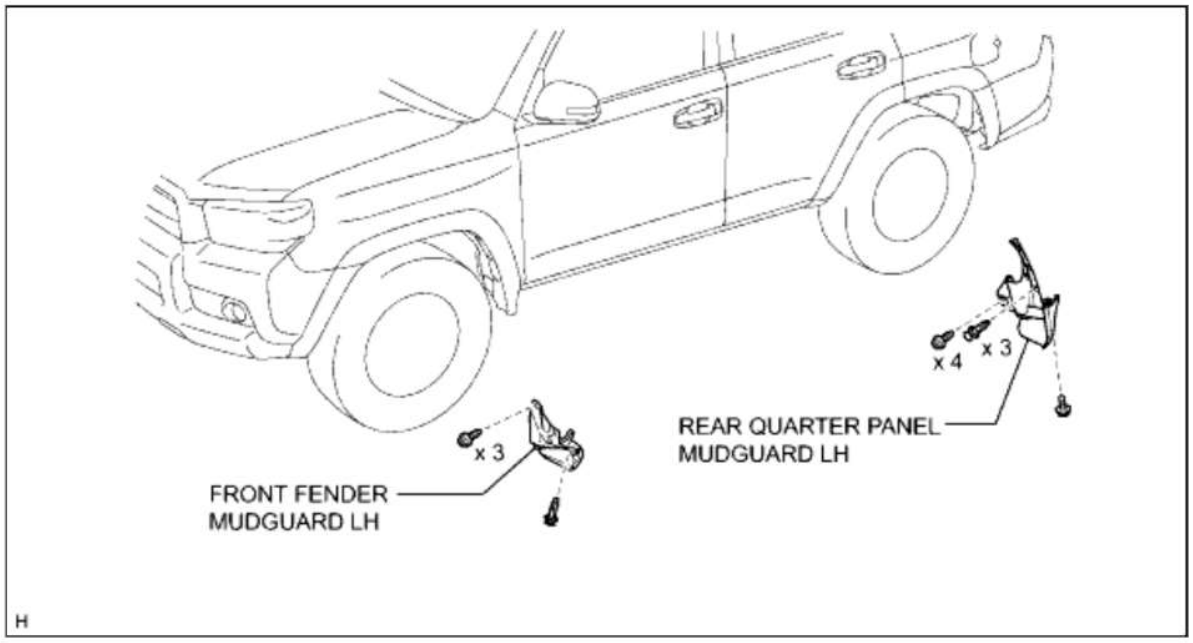
TOYOTA

cardiagn.com

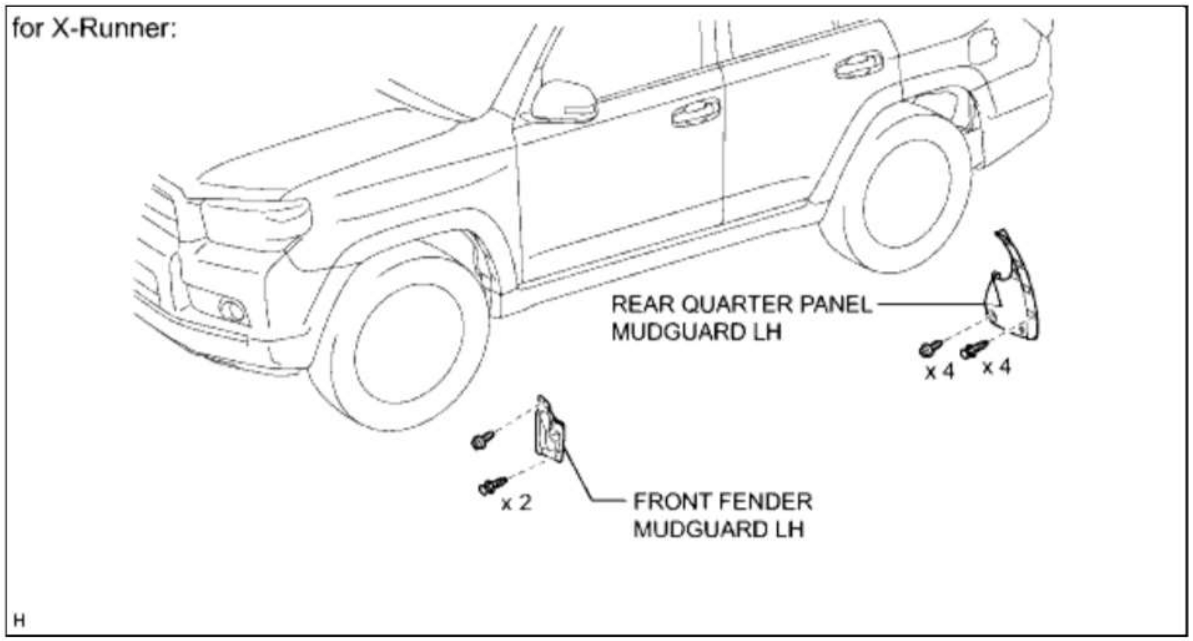
Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000004774000X
Title: EXTERIOR PANELS / TRIM: MUDGUARD: COMPONENTS (2010 4Runner)		

COMPONENTS

ILLUSTRATION



ILLUSTRATION



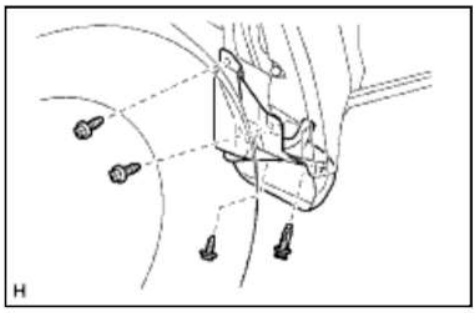
cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000004775000X
Title: EXTERIOR PANELS / TRIM: MUDGUARD: REMOVAL (2010 4Runner)		

REMOVAL

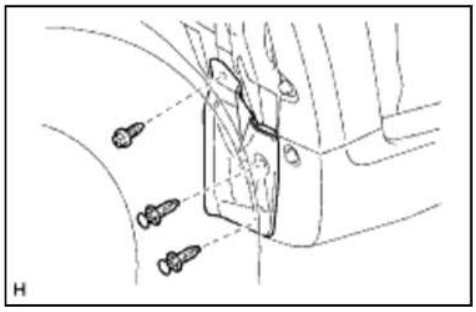
HINT:

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



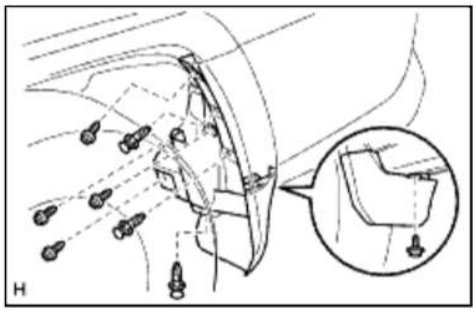
1. REMOVE FRONT FENDER MUDGUARD LH

(a) Remove the clip, 3 screws and front fender mudguard.



2. REMOVE FRONT FENDER MUDGUARD LH (for X-Runner)

(a) Remove the 2 clips, screw and front fender mudguard.

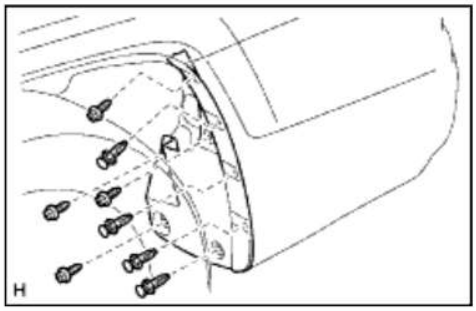


3. REMOVE REAR QUARTER PANEL MUDGUARD LH

(a) Remove the 3 clips, 5 screws and rear quarter panel mudguard.

4. REMOVE REAR QUARTER PANEL MUDGUARD LH (for X-Runner)

cardiagn.com



(a) Remove the 4 clips, 4 screws and rear quarter panel mudguard.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000004773000X
Title: EXTERIOR PANELS / TRIM: MUDGUARD: 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 FENDER MUDGUARD LH

(a) Install the front fender mudguard with the 3 screws and clip.

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

(a) Install the front fender mudguard with the screw and 2 clips.

3. INSTALL REAR QUARTER PANEL MUDGUARD LH

(a) Install the rear quarter panel mudguard with the 5 screws and 3 clips.

4. INSTALL REAR QUARTER PANEL MUDGUARD LH (for X-Runner)

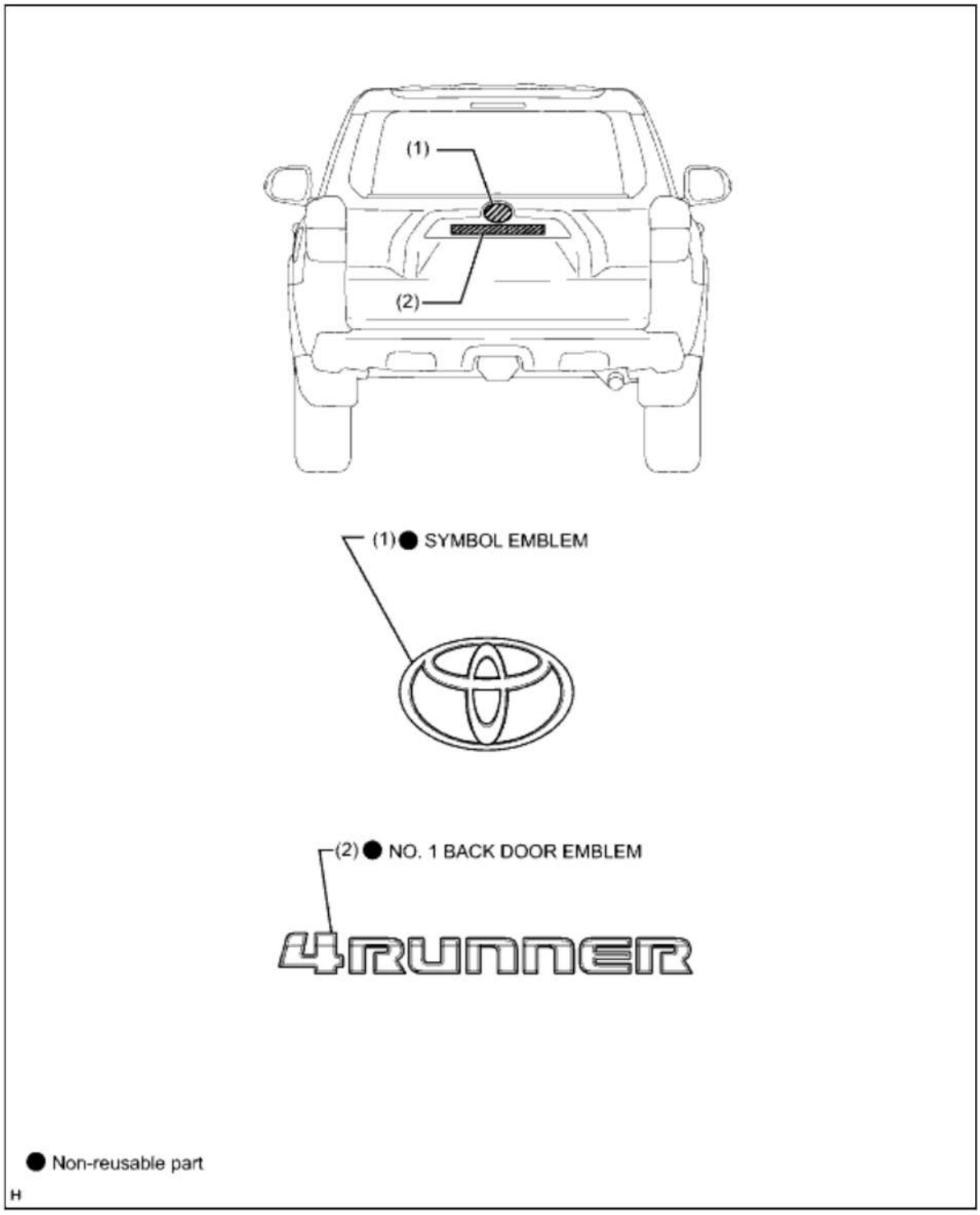
(a) Install the rear quarter panel mudguard with the 4 screws and 4 clips.

cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000004772000X
Title: EXTERIOR PANELS / TRIM: NAME PLATE: COMPONENTS (2010 4Runner)		

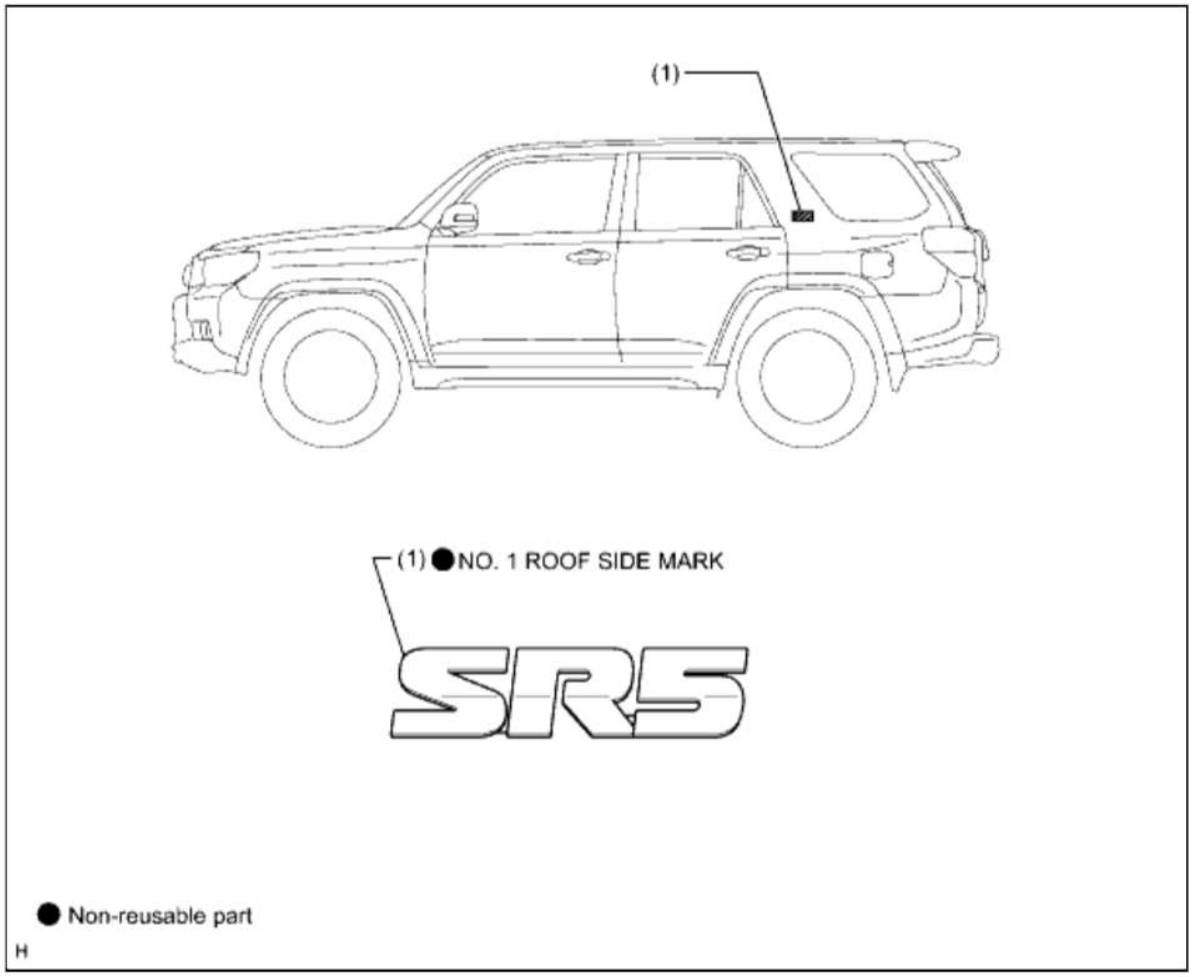
COMPONENTS

ILLUSTRATION



cardiagn.com

ILLUSTRATION



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000003YBU004X
Title: EXTERIOR PANELS / TRIM: NAME PLATE: INSTALLATION (2010 4Runner)		

INSTALLATION

HINT:

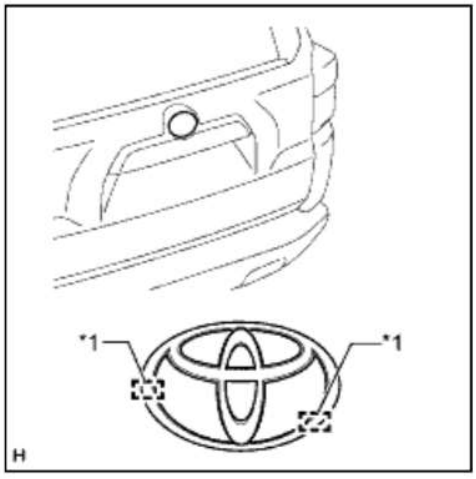
When installing the symbol emblem, No. 1 back door emblem and No. 1 roof side mark, heat the vehicle body, symbol emblem, No. 1 back door emblem and No. 1 roof side mark using a heat light.

Standard:

ITEM	TEMPERATURE
Vehicle Body	40 to 60°C (104 to 140°F)
Symbol Emblem	20 to 30°C (68 to 86°F)
No. 1 Back Door Emblem	20 to 30°C (68 to 86°F)
No. 1 Roof Side Mark	20 to 30°C (68 to 86°F)

NOTICE:

Do not heat the vehicle body, symbol emblem, No. 1 back door emblem or No. 1 roof side mark excessively.



1. INSTALL SYMBOL EMBLEM

(a) Clean the vehicle body surface.

(1) Using a heat light, heat the vehicle body surface.

(2) Remove the double-sided tape from the vehicle body.

(3) Wipe off any tape adhesive residue with cleaner.

(b) Install a new symbol emblem.

(1) Using a heat light, heat the vehicle body and a new symbol emblem.

(2) Remove the peeling paper from the face of the symbol emblem.

HINT:

After removing the peeling paper, keep the exposed adhesive free from foreign matter.

(3) Align the boss positions and install the symbol emblem.

HINT:

Press the symbol emblem firmly to install it.

cardiagn.com

Text in Illustration

*1	Boss

2. INSTALL NO. 1 BACK DOOR EMBLEM

(a) Clean the vehicle body surface.

(1) Using a heat light, heat the vehicle body surface.

(2) Remove the double-sided tape from the vehicle body.

(3) Wipe off any tape adhesive residue with cleaner.

(b) Install a new No. 1 back door emblem.

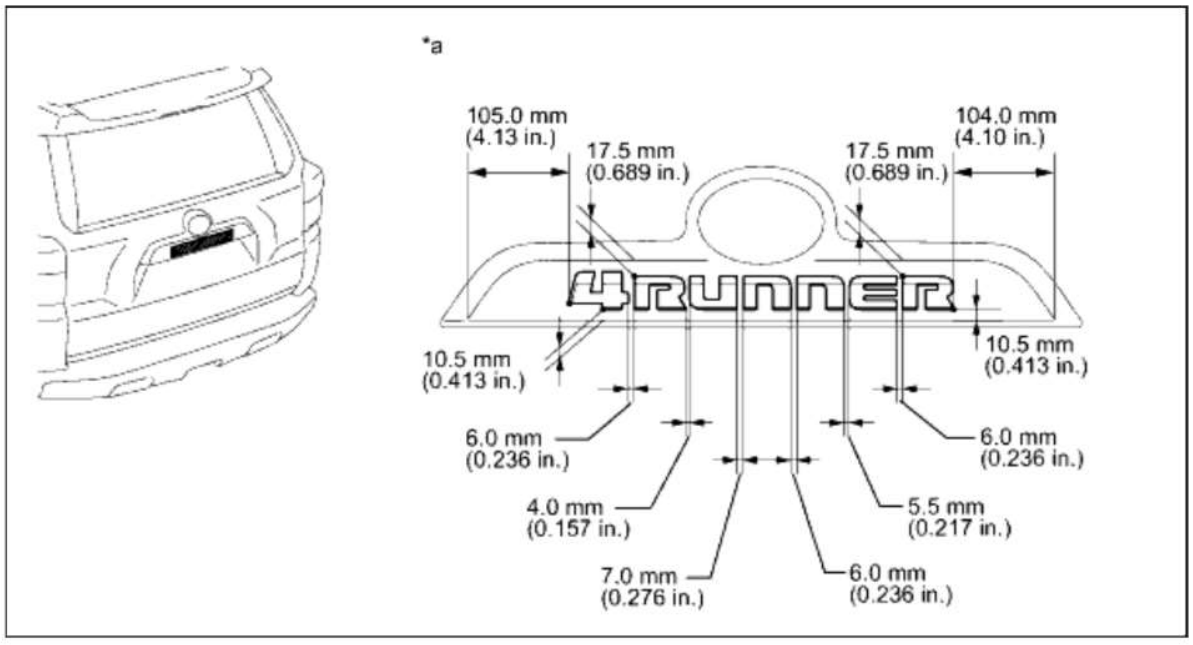
(1) Using a heat light, heat the vehicle body and a new No. 1 back door emblem.

(2) Remove the peeling paper from the face of the No. 1 back door emblem.

HINT:

After removing the peeling paper, keep the exposed adhesive free from foreign matter.

(3) Install the No. 1 back door emblem in the position shown in the installation.



Text in Illustration

*a	Reference Value	-	-

3. INSTALL NO. 1 ROOF SIDE MARK

(a) Clean the vehicle body surface.

cardiagn.com

(1) Using a heat light, heat the vehicle body surface.

(2) Remove the double-sided tape from the vehicle body.

(3) Wipe off any tape adhesive residue with cleaner.

(b) Install a new No. 1 roof side mark.

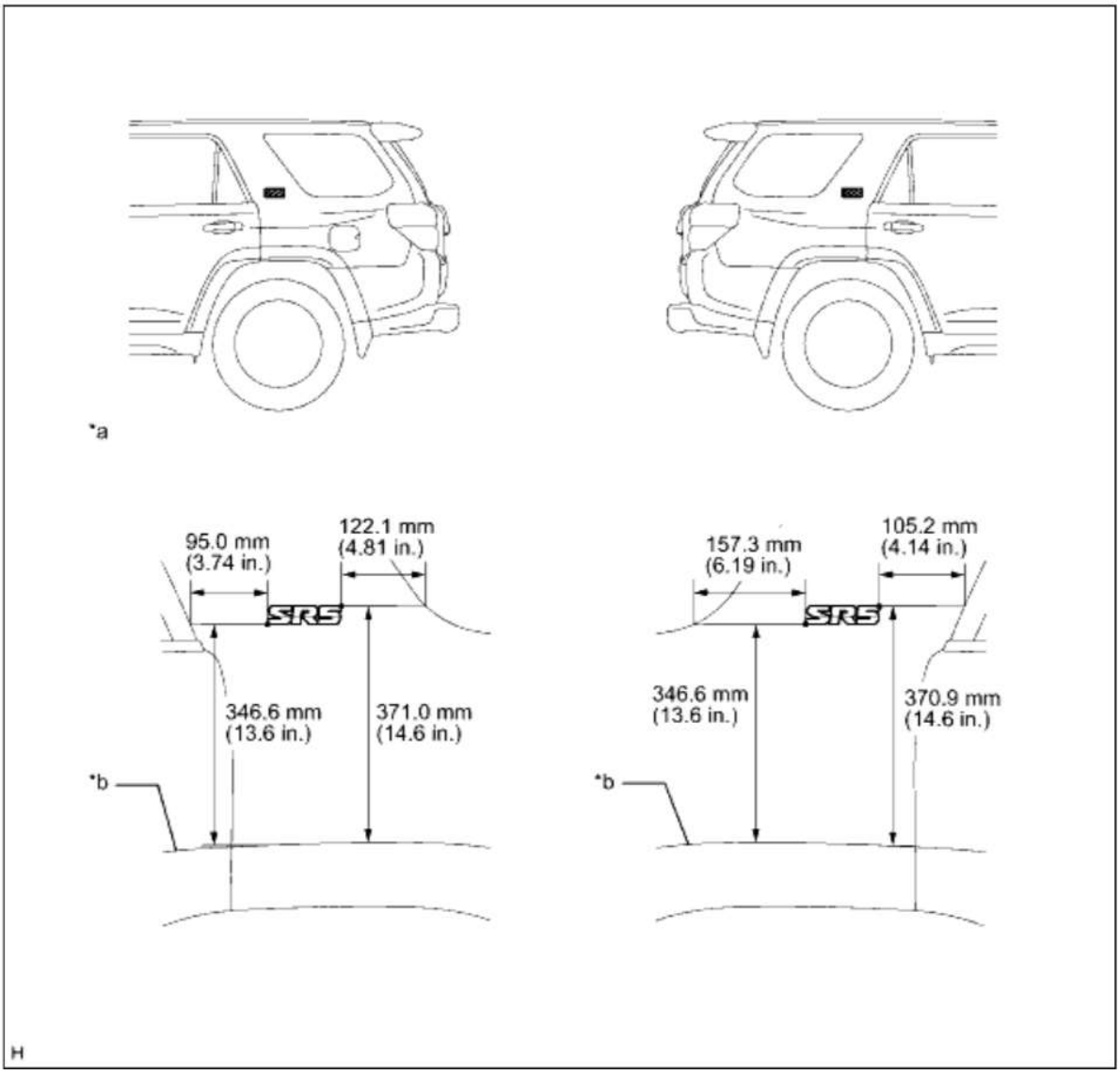
(1) Using a heat light, heat the vehicle body and a new No. 1 roof side mark.

(2) Remove the peeling paper from the face of the No. 1 roof side mark.

HINT:

After removing the peeling paper, keep the exposed adhesive free from foreign matter.

(3) Install the No. 1 roof side mark in the position shown in the installation.



Text in Illustration

*a	Reference Value	*b	Over Fender End Line

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000003YBW004X
Title: EXTERIOR PANELS / TRIM: NAME PLATE: REMOVAL (2010 4Runner)		

REMOVAL

HINT:

When removing the symbol emblem, No. 1 back door emblem and No. 1 roof side mark, heat the vehicle body, symbol emblem, No. 1 back door emblem and No. 1 roof side mark using a heat light.

Standard:

ITEM	TEMPERATURE
Vehicle Body	40 to 60°C (104 to 140°F)
Symbol Emblem	20 to 30°C (68 to 86°F)
No. 1 Back Door Emblem	20 to 30°C (68 to 86°F)
No. 1 Roof Side Mark	20 to 30°C (68 to 86°F)

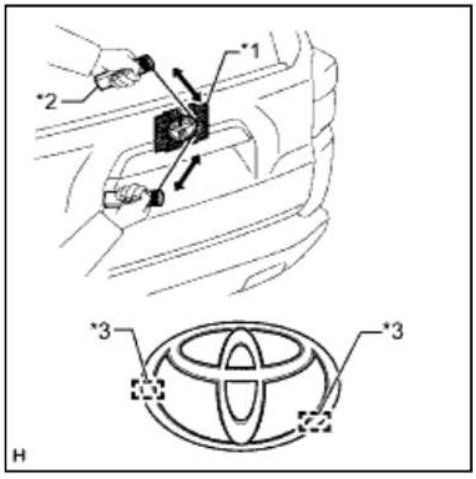
NOTICE:

Do not heat the vehicle body, symbol emblem, No. 1 back door emblem or No. 1 roof side mark excessively.

1. REMOVE SYMBOL EMBLEM

(a) Put protective tape around the symbol emblem.

Text in Illustration



*1	Protective Tape
*2	Wooden Block
*3	Boss

(b) Insert piano wire between the vehicle body and symbol emblem.

HINT:

Be careful of the boss positions.

(c) Tie objects that can serve as handles (for example, wooden blocks) to the piano wire ends.

(d) Pull the piano wire and scrape off the double-sided tape that holds the symbol emblem to the vehicle body.

NOTICE:

cardiagn.com

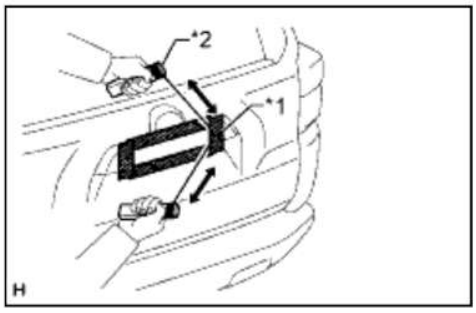
Be careful not to damage the vehicle body.

(e) Remove the symbol emblem.

2. REMOVE NO. 1 BACK DOOR EMBLEM

(a) Put protective tape around the No. 1 back door emblem.

Text in Illustration



*1	Protective Tape
*2	Wooden Block

(b) Insert piano wire between the vehicle body and No. 1 back door emblem.

(c) Tie objects that can serve as handles (for example, wooden blocks) to the piano wire ends.

(d) Pull the piano wire and scrape off the double-sided tape that holds the No. 1 back door emblem to the vehicle body.

NOTICE:

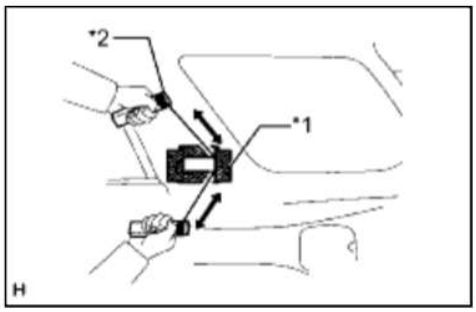
Be careful not to damage the vehicle body.

(e) Remove the No. 1 back door emblem.

3. REMOVE NO. 1 ROOF SIDE MARK

(a) Put protective tape around the No. 1 roof side mark.

Text in Illustration



*1	Protective Tape
*2	Wooden Block

(b) Insert piano wire between the vehicle body and No. 1 roof side mark.

(c) Tie objects that can serve as handles (for example, wooden blocks) to the piano wire ends.

(d) Pull the piano wire and scrape off the double-sided tape that holds the No. 1 roof side mark to the vehicle body.

NOTICE:

Be careful not to damage the vehicle body.

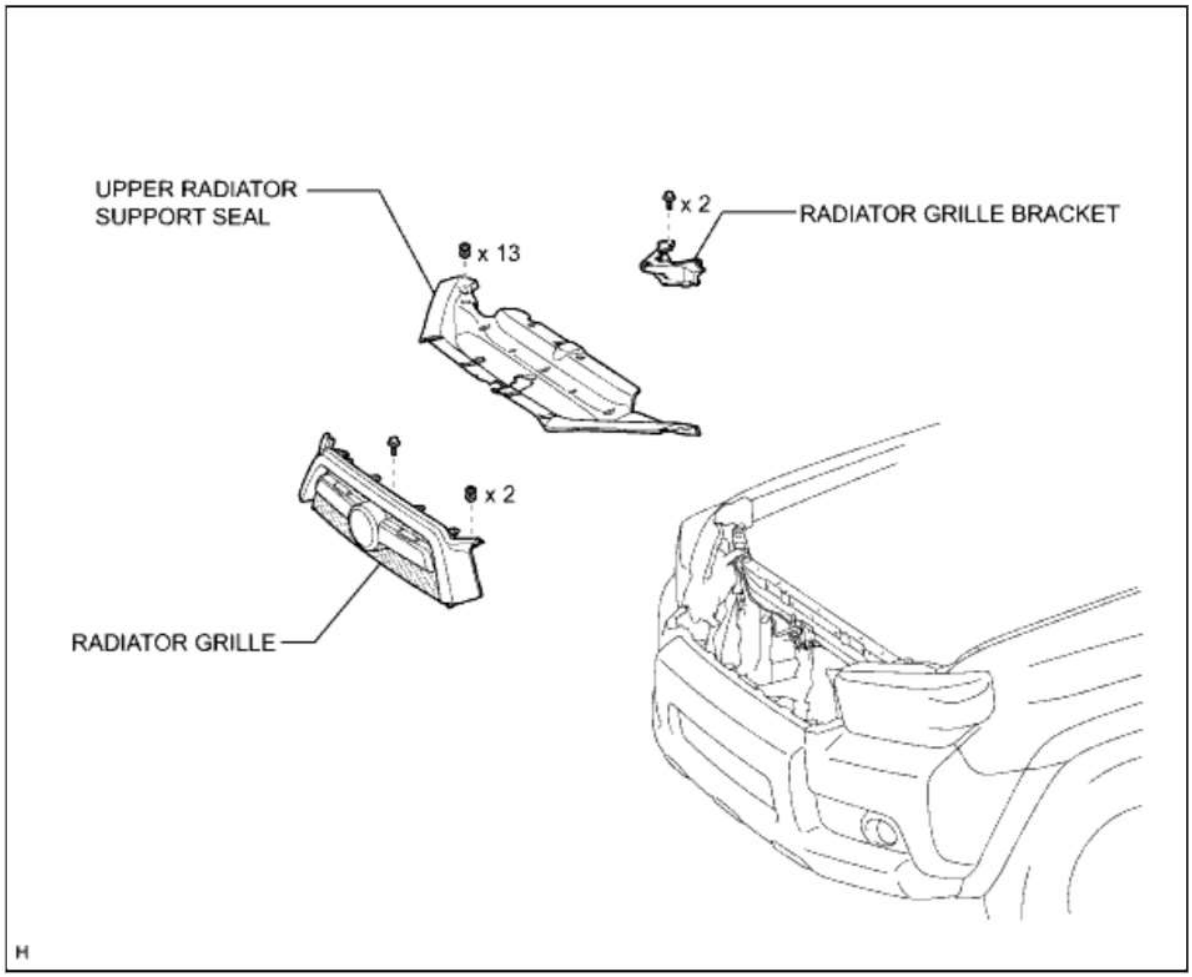
(e) Remove the No. 1 roof side mark.

cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000476T000X
Title: EXTERIOR PANELS / TRIM: RADIATOR GRILLE: COMPONENTS (2010 4Runner)		

COMPONENTS

ILLUSTRATION

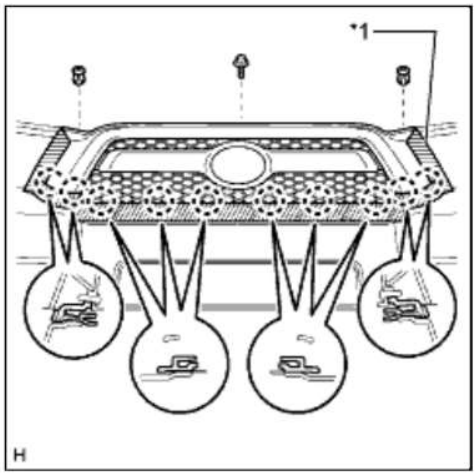


cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000476U000X
Title: EXTERIOR PANELS / TRIM: RADIATOR GRILLE: REMOVAL (2010 4Runner)		

REMOVAL

1. REMOVE UPPER RADIATOR SUPPORT SEAL



2. REMOVE RADIATOR GRILLE

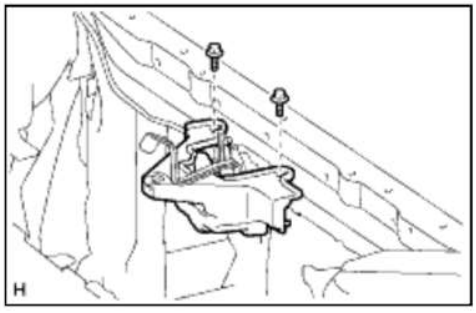
(a) Put protective tape around the radiator grille.

Text in Illustration

*1	Protective Tape

(b) Remove the 2 clips and bolt.

(c) Detach the 10 claws and remove the radiator grille.



3. REMOVE RADIATOR GRILLE BRACKET

(a) Remove the 2 bolts and radiator grille bracket.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000476S000X
Title: EXTERIOR PANELS / TRIM: RADIATOR GRILLE: INSTALLATION (2010 4Runner)		

INSTALLATION

1. INSTALL RADIATOR GRILLE BRACKET

(a) Install the radiator grille bracket with the 2 bolts.

2. INSTALL RADIATOR GRILLE

(a) Attach the 10 claws and install the radiator grille with the bolt and 2 clips.

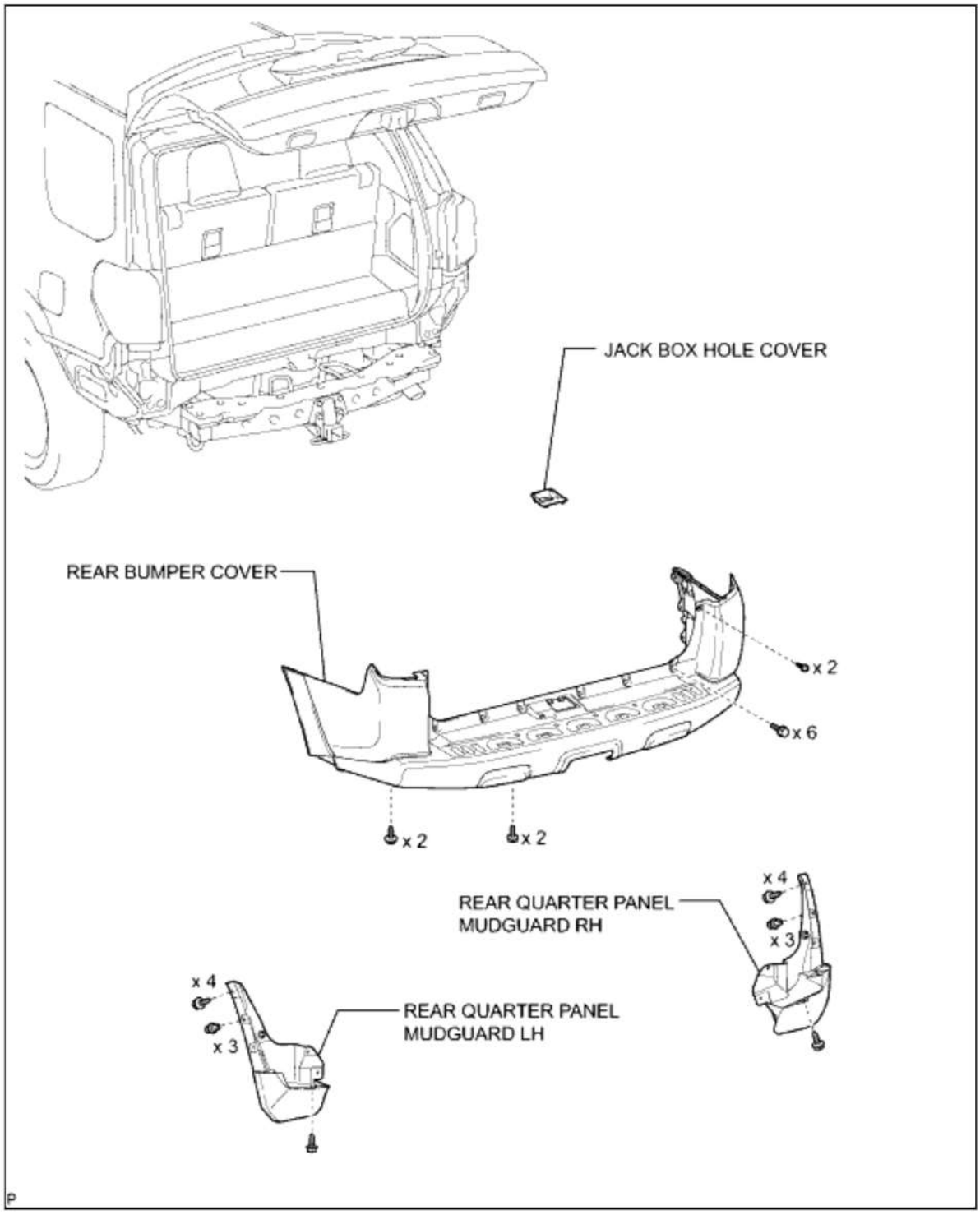
3. INSTALL UPPER RADIATOR SUPPORT SEAL

cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000476B000X
Title: EXTERIOR PANELS / TRIM: REAR BUMPER: COMPONENTS (2010 4Runner)		

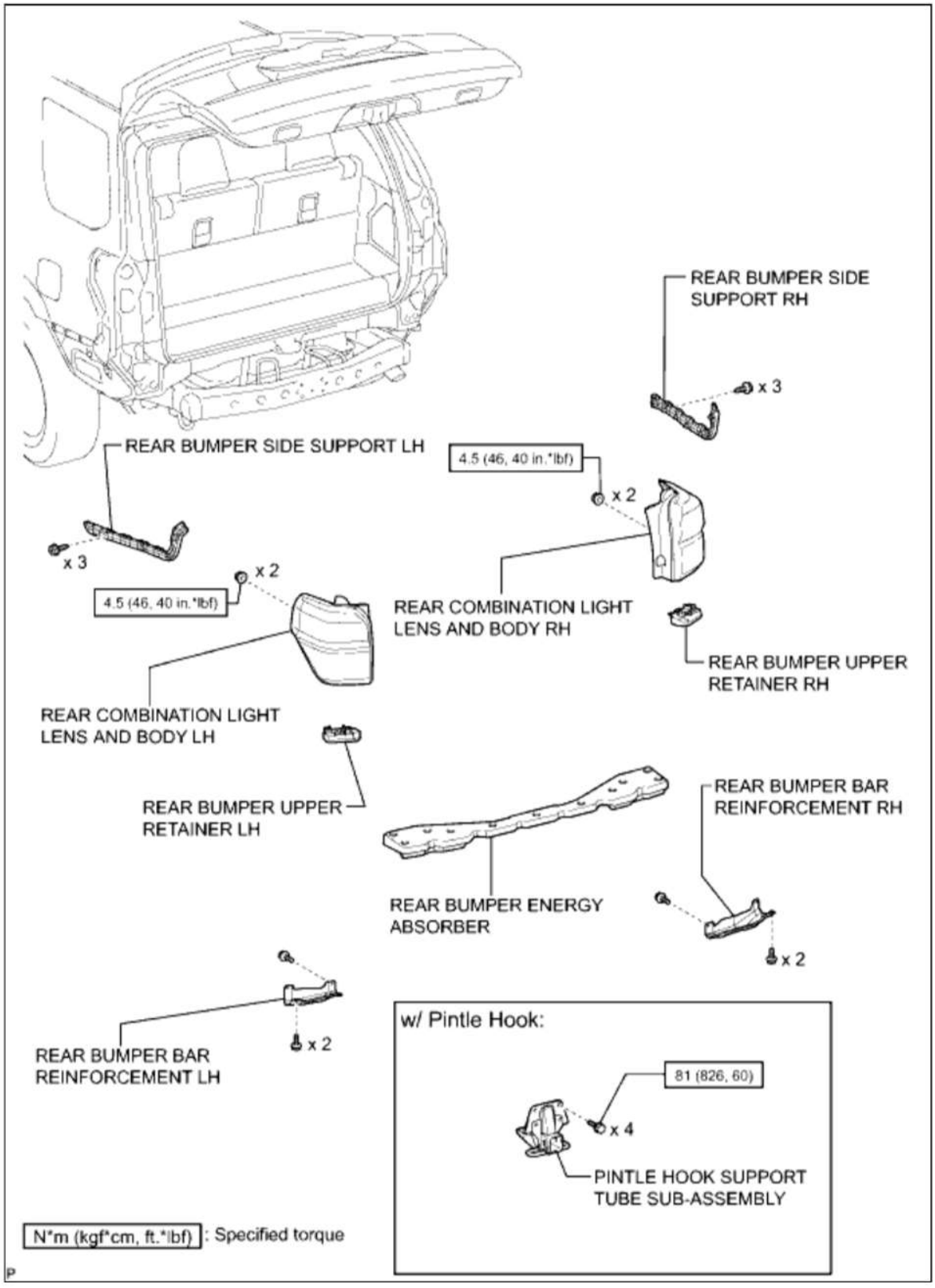
COMPONENTS

ILLUSTRATION



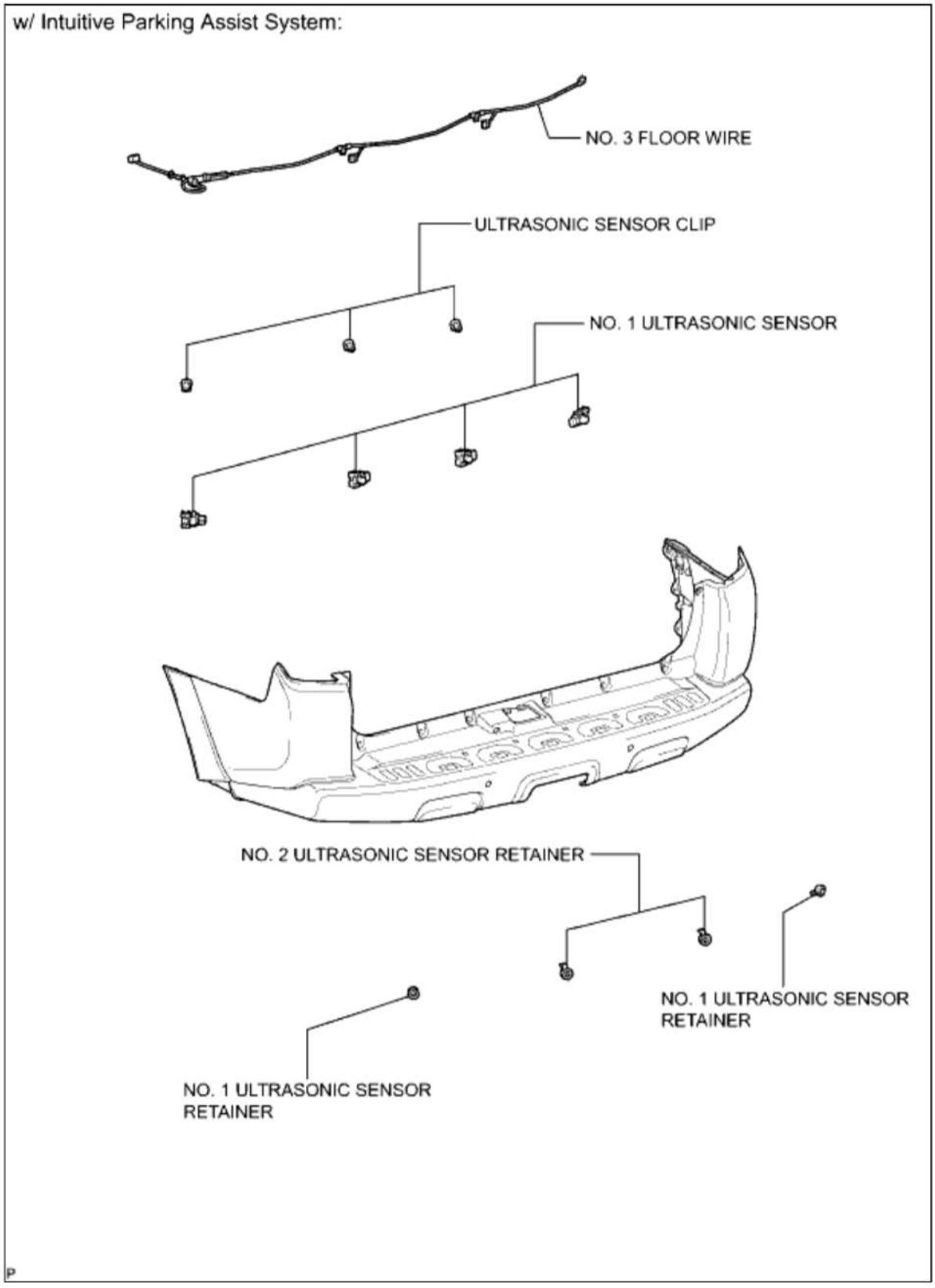
cardiagn.com

ILLUSTRATION



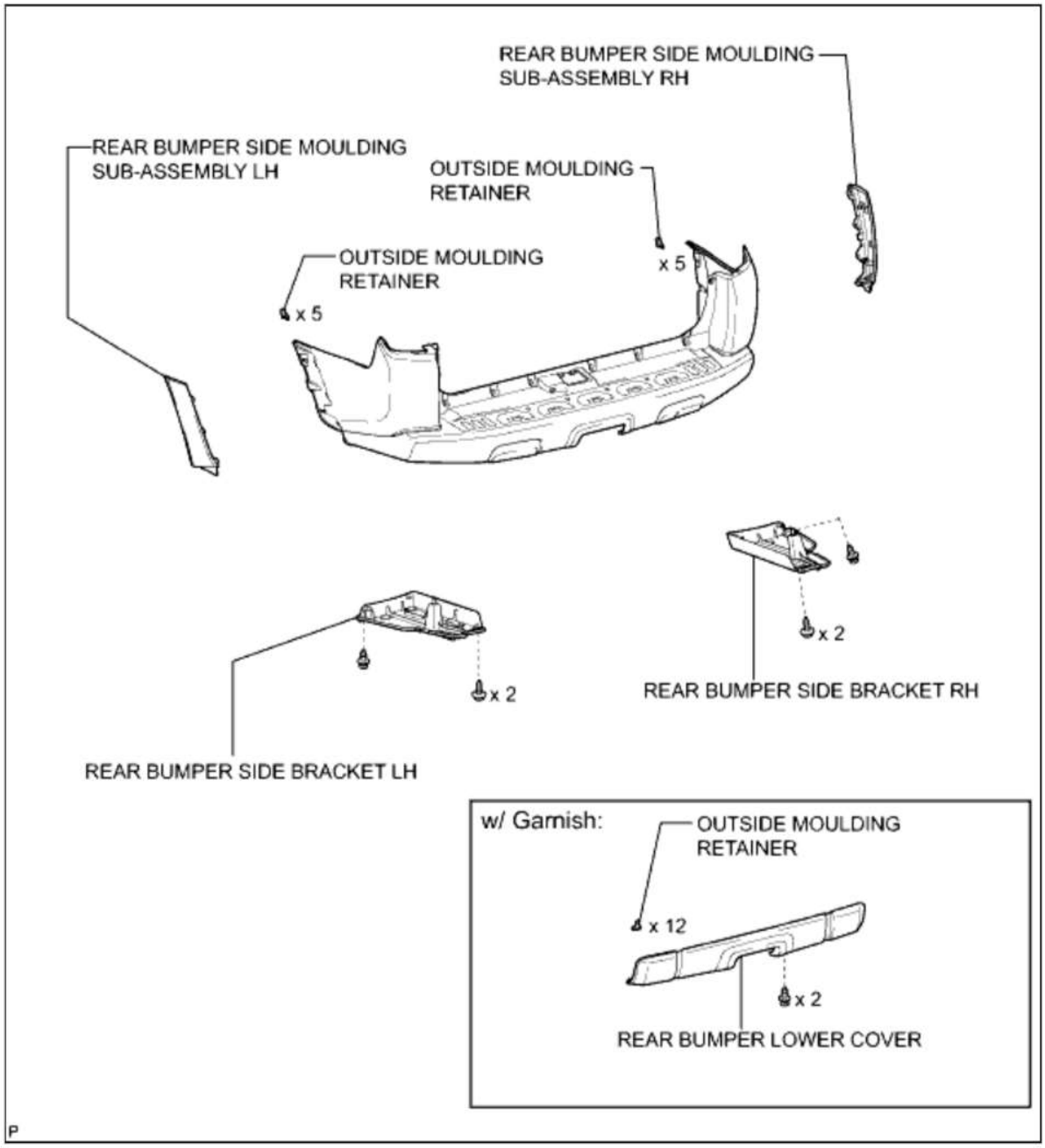
cardiagn.com

ILLUSTRATION



cardiagn.com

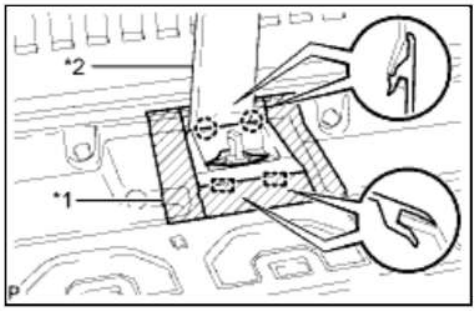
ILLUSTRATION



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000038K200DX
Title: EXTERIOR PANELS / TRIM: REAR BUMPER: REMOVAL (2010 4Runner)		

REMOVAL



1. REMOVE JACK BOX HOLE COVER

(a) Put protective around the jack box hole cover.

(b) Using a moulding remover, Detach the 2 claws, 2 guide and remove the jack box hole cover.

Text in Illustration

*1	Protective Tape
*2	Moulding Remover

2. REMOVE REAR QUARTER PANEL MUDGUARD LH INFO

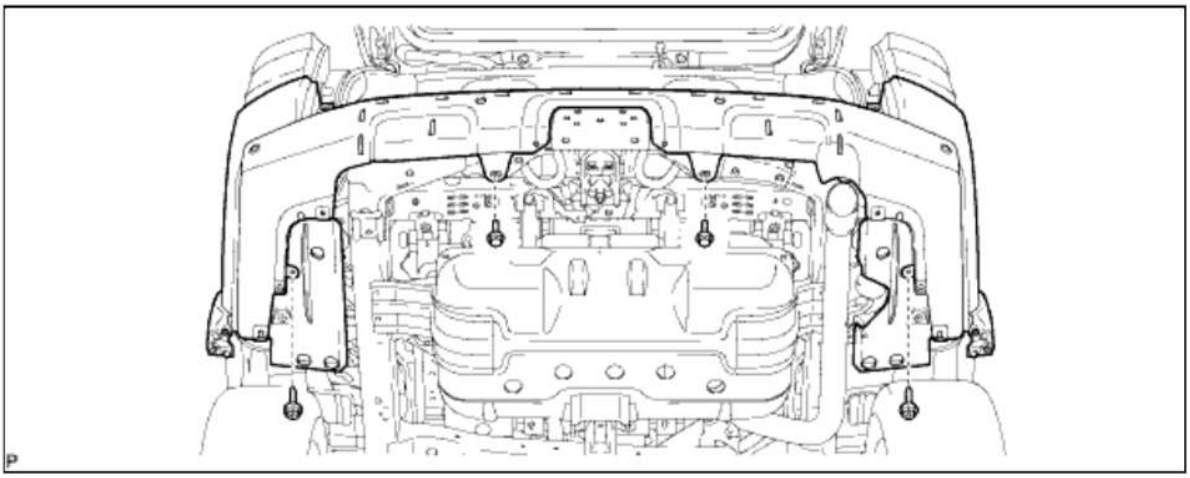
3. REMOVE REAR QUARTER PANEL MUDGUARD RH

HINT:

Use the same procedure described for the LH side.

4. REMOVE REAR BUMPER COVER

(a) Remove the 2 bolts and 2 screws.



(b) Put protective tape around the rear bumper cover.

(c) Remove the 2 screws and 6 bolts.

(d) w/ Intuitive Parking Assist System:

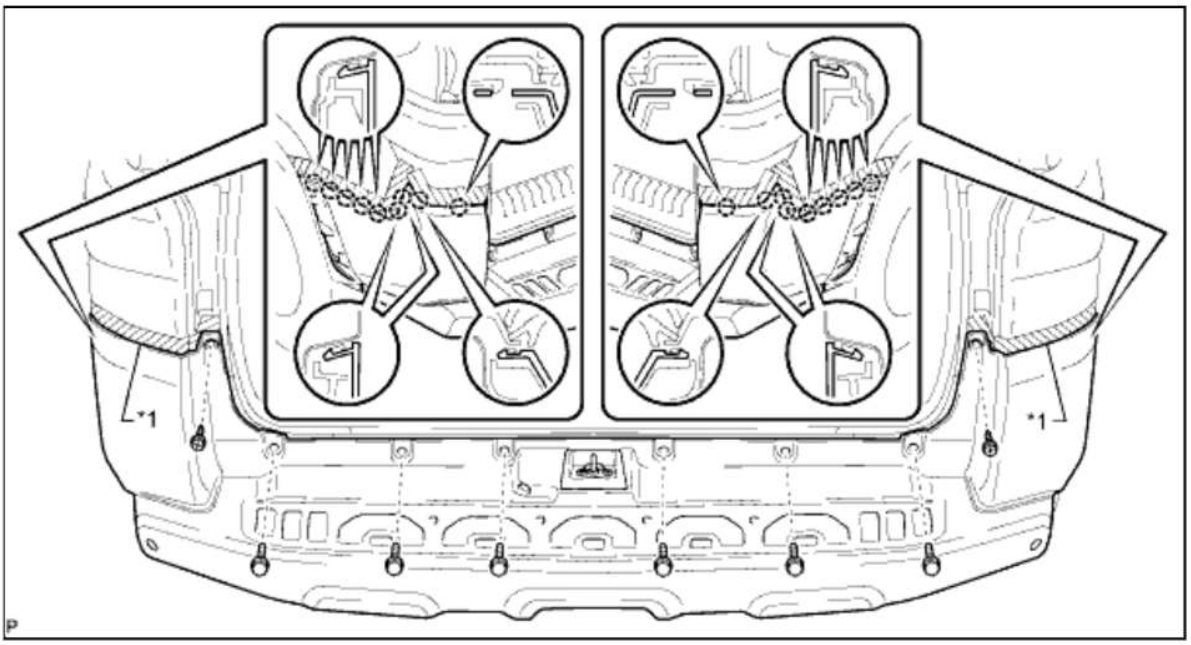
cardiagn.com

Detach the 18 claws and disconnect the connector.

(e) w/o Intuitive Parking Assist System:

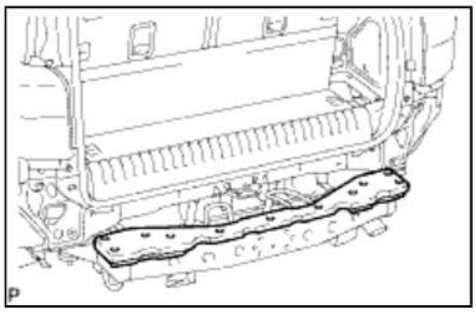
Detach the 18 claws.

(f) Remove the rear bumper cover.



Text in Illustration

*1	Protective Tape	-	-



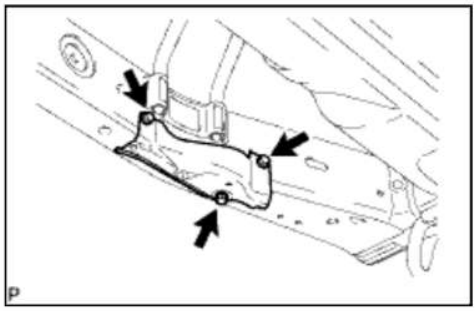
5. REMOVE REAR BUMPER ENERGY ABSORBER

(a) Remove the rear bumper energy absorber.

6. REMOVE REAR BUMPER BAR REINFORCEMENT LH

(a) Remove the 3 bolts and rear bumper bar reinforcement.

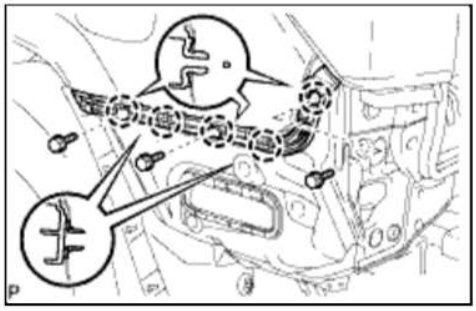
cardiagn.com



7. REMOVE REAR BUMPER BAR REINFORCEMENT RH

HINT:

Use the same procedure described for the LH side.



8. REMOVE REAR BUMPER SIDE SUPPORT LH

(a) Remove the 3 screws.

(b) Detach the 5 claws and remove the rear bumper side support.

9. REMOVE REAR BUMPER SIDE SUPPORT RH

HINT:

Use the same procedure described for the LH side.

10. REMOVE REAR COMBINATION LIGHT LENS AND BODY LH INFO

11. REMOVE REAR COMBINATION LIGHT LENS AND BODY RH

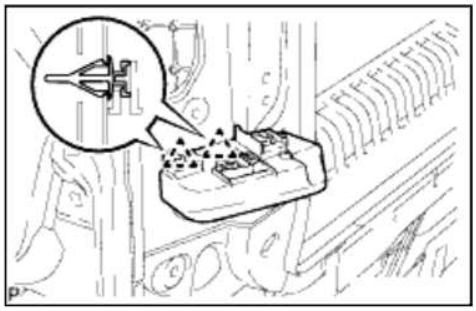
HINT:

Use the same procedure described for the LH side.

12. REMOVE REAR BUMPER UPPER RETAINER LH

(a) Detach the 2 clips and remove the rear bumper upper retainer.

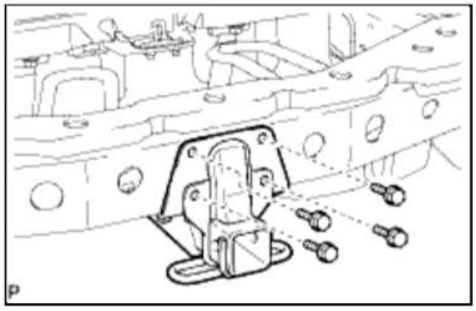
cardiagn.com



13. REMOVE REAR BUMPER UPPER RETAINER RH

HINT:

Use the same procedure described for the LH side.



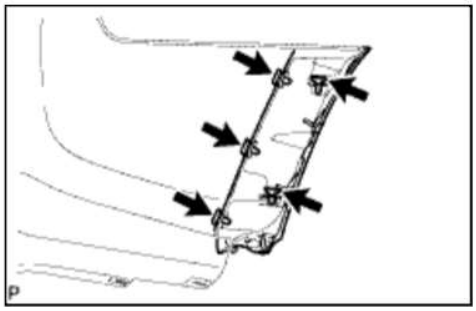
14. REMOVE PINTLE HOOK SUPPORT TUBE SUB-ASSEMBLY (w/ Pintle Hook)

(a) Remove the 4 bolts and pintle hook support tube.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000476C000X
Title: EXTERIOR PANELS / TRIM: REAR BUMPER: DISASSEMBLY (2010 4Runner)		

DISASSEMBLY



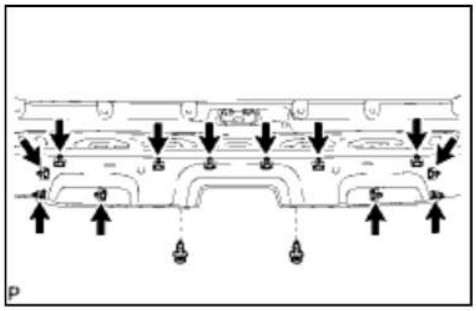
1. REMOVE REAR BUMPER SIDE MOULDING SUB-ASSEMBLY LH

(a) Remove the 5 outside moulding retainers and rear bumper side moulding.

2. REMOVE REAR BUMPER SIDE MOULDING SUB-ASSEMBLY RH

HINT:

Use the same procedure described for the LH side.



3. REMOVE REAR BUMPER LOWER COVER (w/ Garnish)

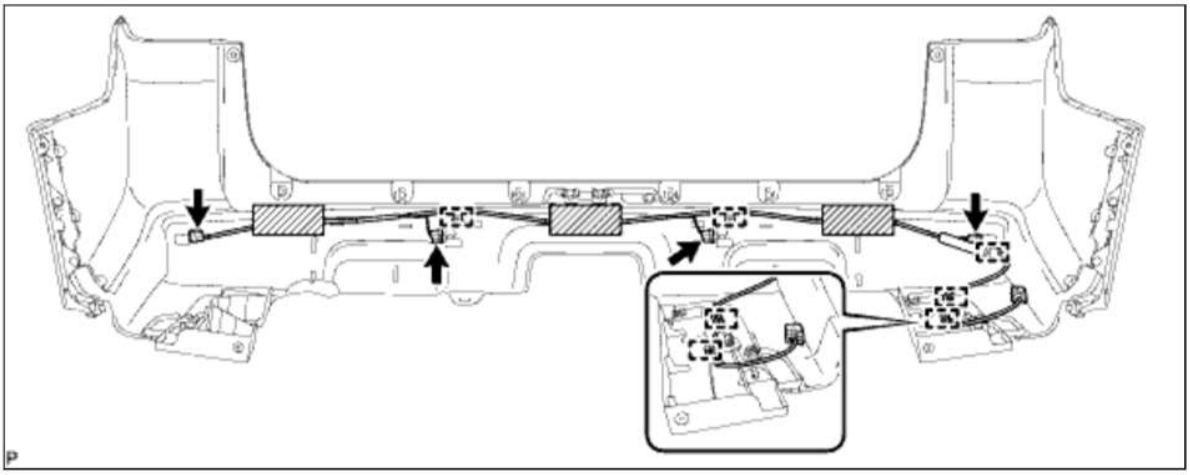
(a) Remove the 2 clips, 12 outside moulding retainers and rear bumper lower cover.

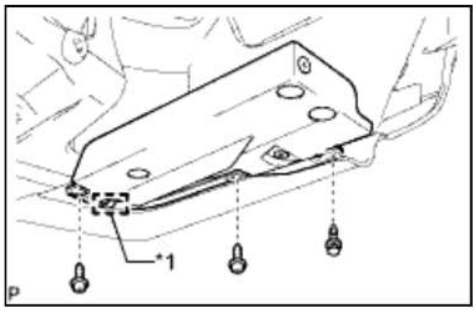
4. REMOVE NO. 3 FLOOR WIRE (w/ Intuitive Parking Assist System)

(a) Disconnect the 4 connectors and remove the 3 pieces of tape.

(b) Detach the 5 clamps and remove the No. 3 floor wire.

cardiagn.com





5. REMOVE REAR BUMPER SIDE BRACKET LH

(a) Remove the clip and 2 screws.

(b) Detach the guide and remove the rear bumper side bracket.

Text in Illustration

*1	Guide

6. REMOVE REAR BUMPER SIDE BRACKET RH

HINT:

Use the same procedure described for the LH side.

7. REMOVE NO. 1 ULTRASONIC SENSOR (w/ Intuitive Parking Assist System) INFO

8. REMOVE ULTRASONIC SENSOR CLIP (w/ Intuitive Parking Assist System) INFO

9. REMOVE NO. 2 ULTRASONIC SENSOR RETAINER (w/ Intuitive Parking Assist System) INFO

10. REMOVE NO. 1 ULTRASONIC SENSOR RETAINER (w/ Intuitive Parking Assist System) INFO

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000476D000X
Title: EXTERIOR PANELS / TRIM: REAR BUMPER: REASSEMBLY (2010 4Runner)		

REASSEMBLY

1. INSTALL NO. 1 ULTRASONIC SENSOR RETAINER (w/ Intuitive Parking Assist System)

INFO

2. INSTALL NO. 2 ULTRASONIC SENSOR RETAINER (w/ Intuitive Parking Assist System)

INFO

3. INSTALL ULTRASONIC SENSOR CLIP (w/ Intuitive Parking Assist System) INFO

4. INSTALL NO. 1 ULTRASONIC SENSOR (w/ Intuitive Parking Assist System) INFO

5. INSTALL REAR BUMPER SIDE BRACKET LH

(a) Install the rear bumper side bracket with the 2 screws and clip.

6. INSTALL REAR BUMPER SIDE BRACKET RH

HINT:

Use the same procedure described for the LH side.

7. INSTALL NO. 3 FLOOR WIRE (w/ Intuitive Parking Assist System)

(a) Clean the rear bumper surface.

(1) Using a heat light, heat the rear bumper surface.

(2) Remove the double-sided tape from the rear bumper surface.

(3) Wipe off any tape adhesive residue with cleaner.

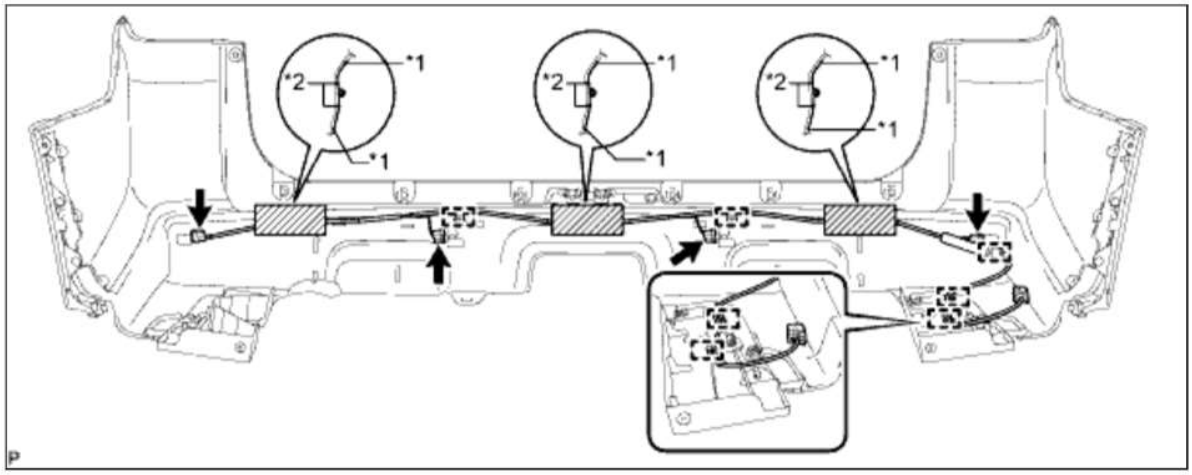
(b) Attach the 5 clamps and connect the 4 connectors.

(c) Install the No. 3 floor wire with the new 3 pieces of tape as shown in the illustration.

HINT:

- With the wire harness contacting the bumper cover, wrap tape around as much of the wire harness as possible.
- Do not reuse the tape.
- Be sure to install the wire harness so that it is centered between the guidelines labeled B and attach the tape so that its edges are aligned with the guidelines labeled A.

cardiagn.com



Text in Illustration

*1	Guideline A	*2	Guideline B

8. INSTALL REAR BUMPER LOWER COVER (w/ Garnish)

(a) Install the rear bumper lower cover with the 12 outside moulding retainers and 2 clips.

9. INSTALL REAR BUMPER SIDE MOULDING SUB-ASSEMBLY LH

(a) Install the rear bumper side moulding with the 5 outside moulding retainers.

10. INSTALL REAR BUMPER SIDE MOULDING SUB-ASSEMBLY RH

HINT:

Use the same procedure described for the LH side.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000038K000DX
Title: EXTERIOR PANELS / TRIM: REAR BUMPER: INSTALLATION (2010 4Runner)		

INSTALLATION

HINT:

A bolt without a torque specification is shown in the standard bolt chart INFO .

1. INSTALL PINTLE HOOK SUPPORT TUBE SUB-ASSEMBLY (w/ Pintle Hook)

(a) Install the pintle hook support tube with the 4 bolts.

Torque: 81 N·m (826 kgf·cm, 60ft·lbf)

2. INSTALL REAR BUMPER UPPER RETAINER LH

(a) Attach the 2 clips to install the rear bumper upper retainer.

3. INSTALL REAR BUMPER UPPER RETAINER RH

HINT:

Use the same procedure described for the LH side.

4. INSTALL REAR COMBINATION LIGHT LENS AND BODY LH INFO

5. INSTALL REAR COMBINATION LIGHT LENS AND BODY RH

HINT:

Use the same procedure described for the LH side.

6. INSTALL REAR BUMPER SIDE SUPPORT LH

(a) Attach the 5 claws to install the rear bumper side support.

(b) Install the 3 screws.

7. INSTALL REAR BUMPER SIDE SUPPORT RH

HINT:

Use the same procedure described for the LH side.

8. INSTALL REAR BUMPER BAR REINFORCEMENT LH

(a) Install the rear bumper bar reinforcement with the 3 bolts.

9. INSTALL REAR BUMPER BAR REINFORCEMENT RH

HINT:

Use the same procedure described for the LH side.

10. INSTALL REAR BUMPER ENERGY ABSORBER

(a) Install the rear bumper energy absorber.

11. INSTALL REAR BUMPER COVER

cardiagn.com

(a) w/ Intuitive Parking Assist System:

Connect the connector.

(b) Attach the 18 claws to install the rear bumper cover.

(c) Install the 8 bolts and 4 screws.

12. INSTALL REAR QUARTER PANEL MUDGUARD LH INFO

13. INSTALL REAR QUARTER PANEL MUDGUARD RH

HINT:

Use the same procedure described for the LH side.

14. INSTALL JACK BOX HOLE COVER

(a) Attach the 2 guide and 2 claws to install the jack box hole cover.

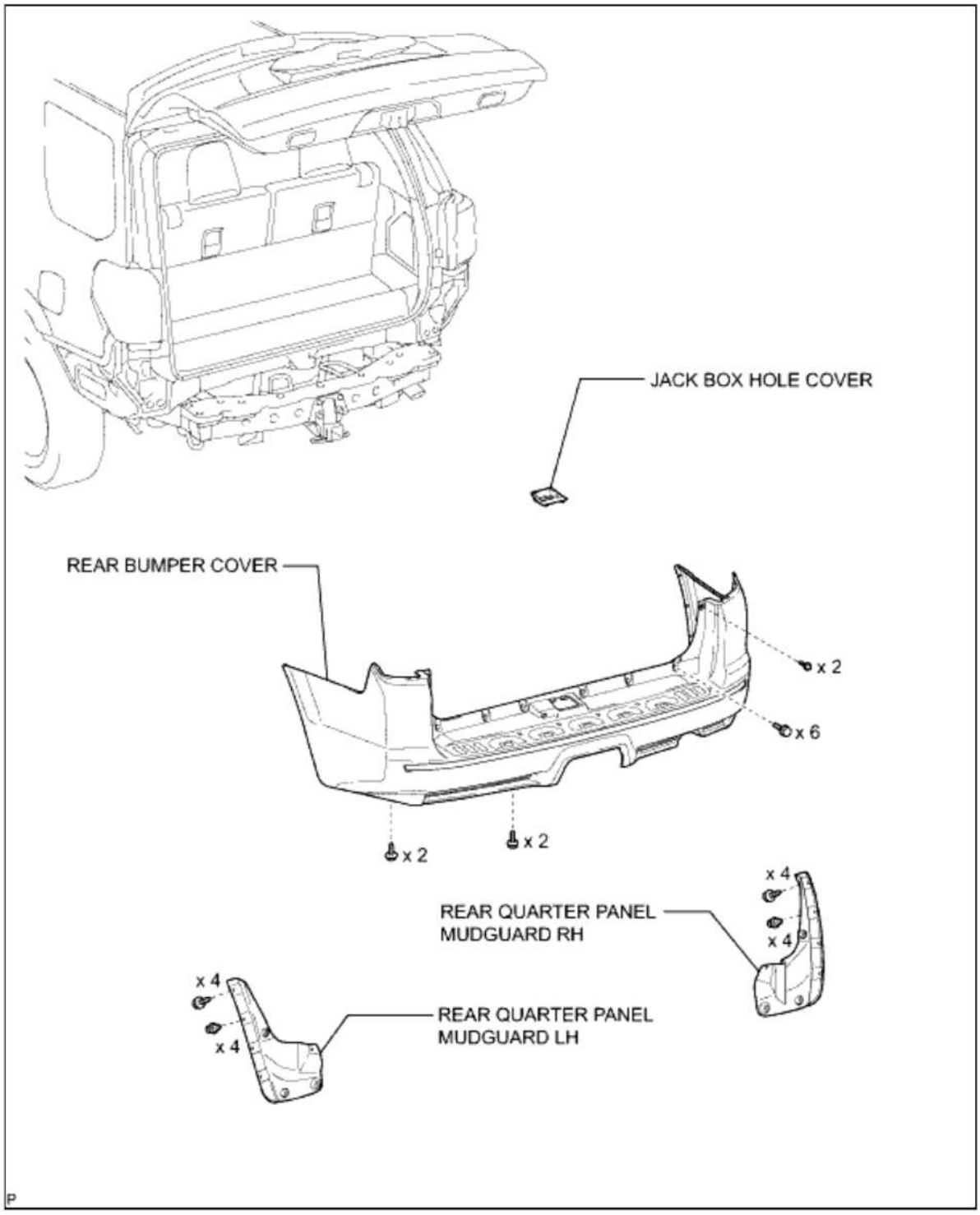


cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000476E000X
Title: EXTERIOR PANELS / TRIM: REAR BUMPER (for X-Runner): COMPONENTS (2010 4Runner)		

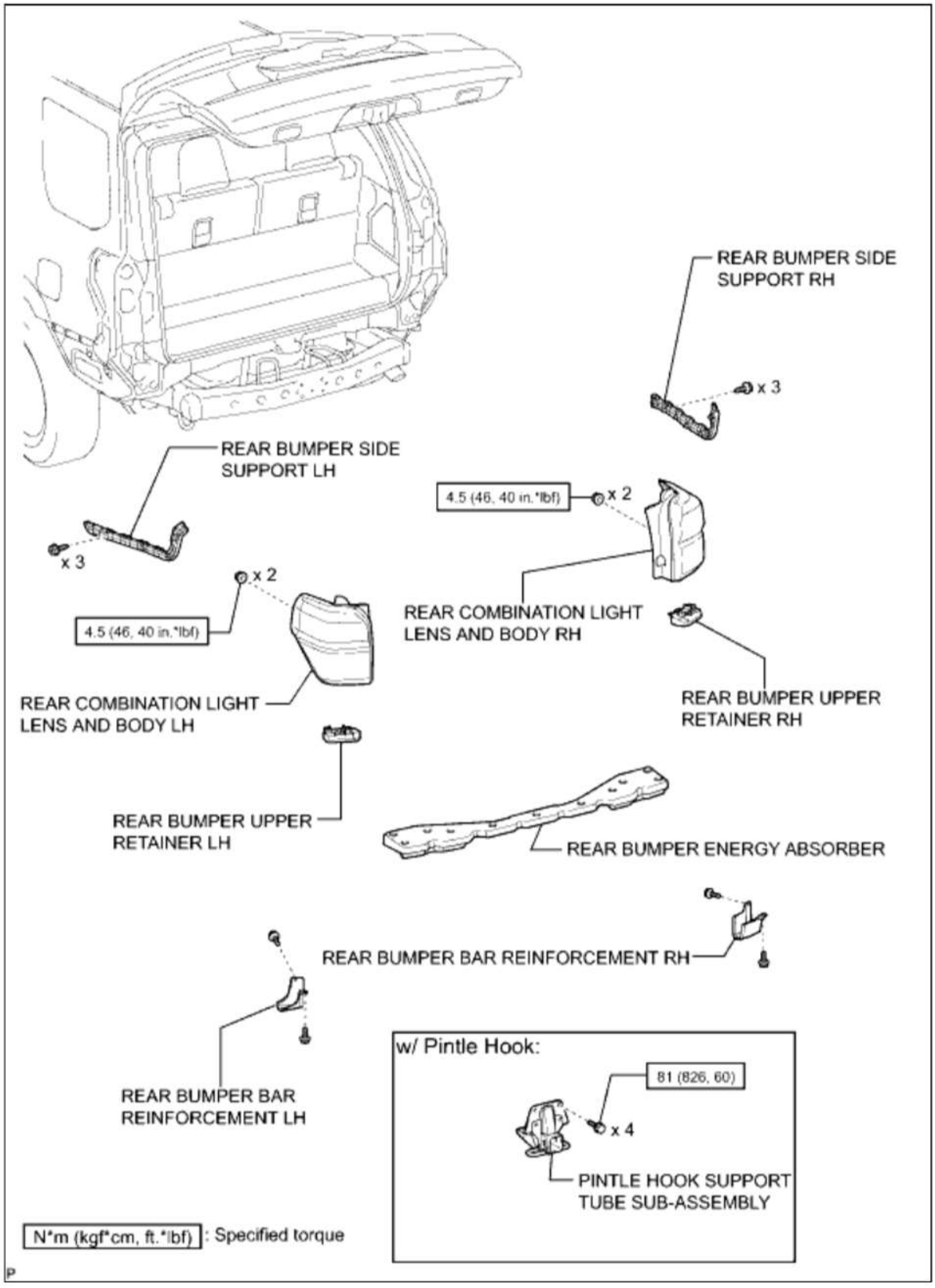
COMPONENTS

ILLUSTRATION



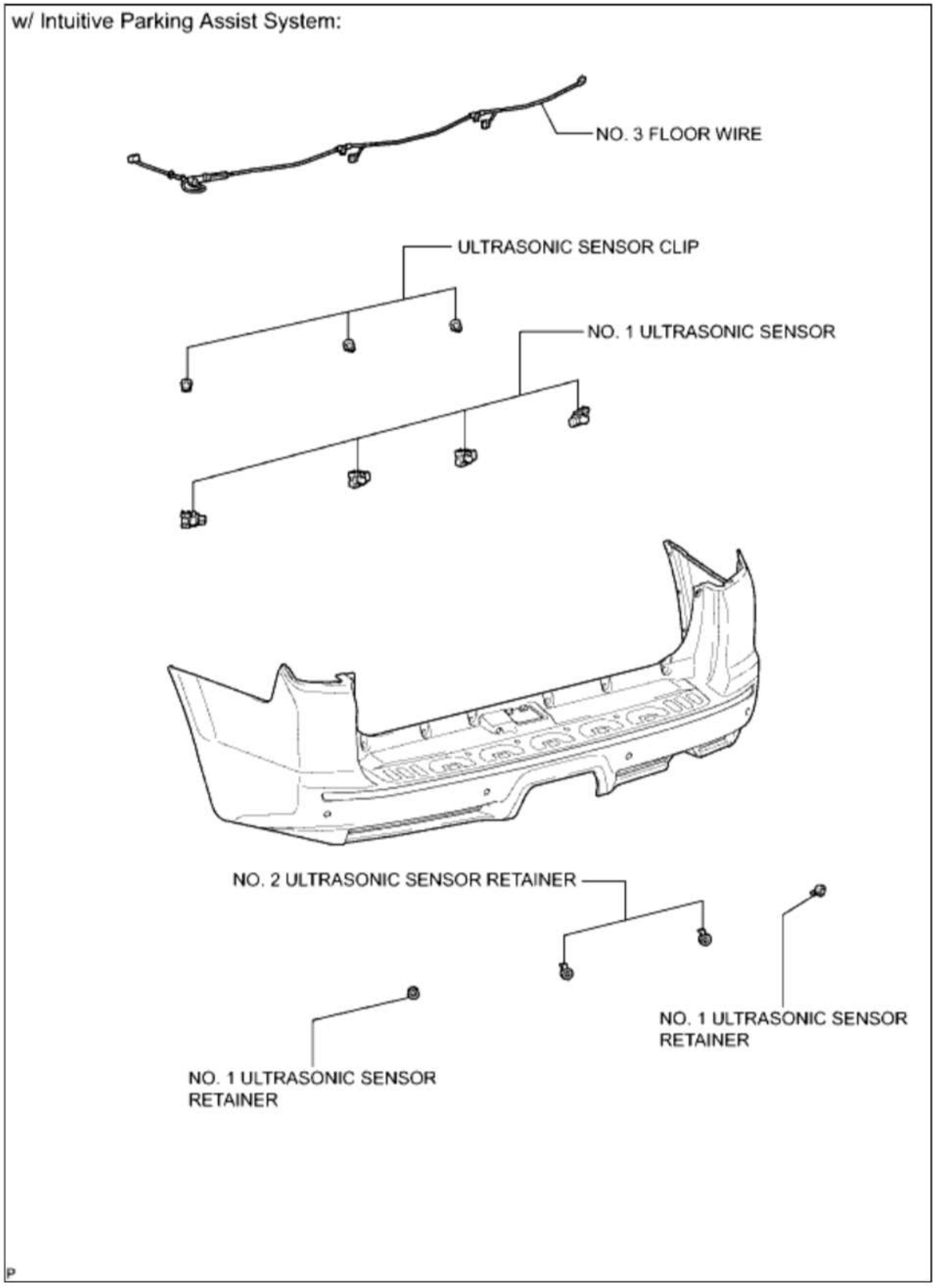
cardiagn.com

ILLUSTRATION



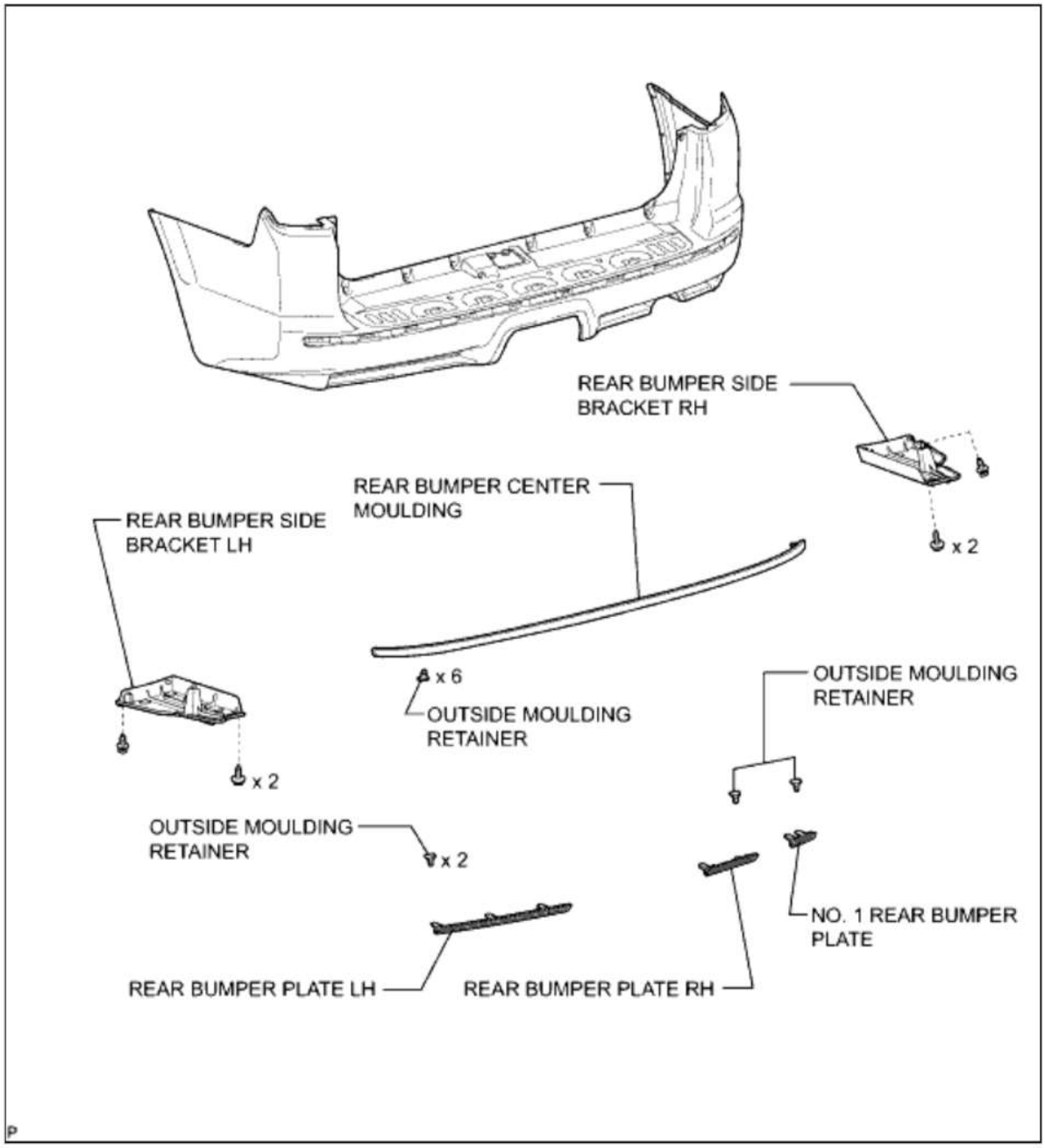
cardiagn.com

ILLUSTRATION



cardiagn.com

ILLUSTRATION



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000038K200FX
Title: EXTERIOR PANELS / TRIM: REAR BUMPER (for X-Runner): REMOVAL (2010 4Runner)		

REMOVAL

1. REMOVE JACK BOX HOLE COVER INFO

2. REMOVE REAR QUARTER PANEL MUDGUARD LH INFO

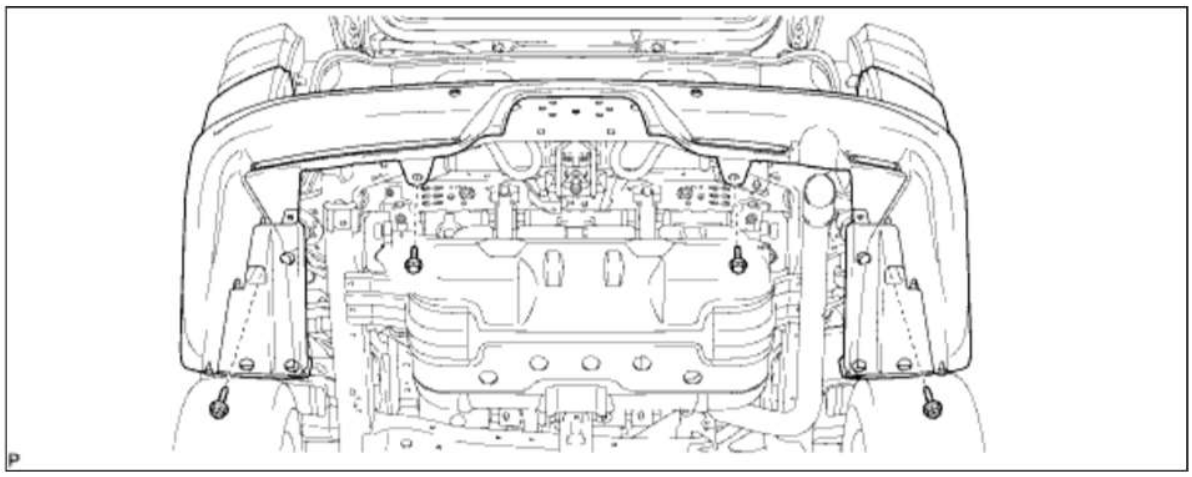
3. REMOVE REAR QUARTER PANEL MUDGUARD RH

HINT:

Use the same procedure described for the LH side.

4. REMOVE REAR BUMPER COVER

(a) Remove the 2 bolts and 2 screws.



(b) Put protective tape around the rear bumper cover.

(c) Remove the 2 screws and 6 bolts.

(d) w/ Intuitive Parking Assist System:

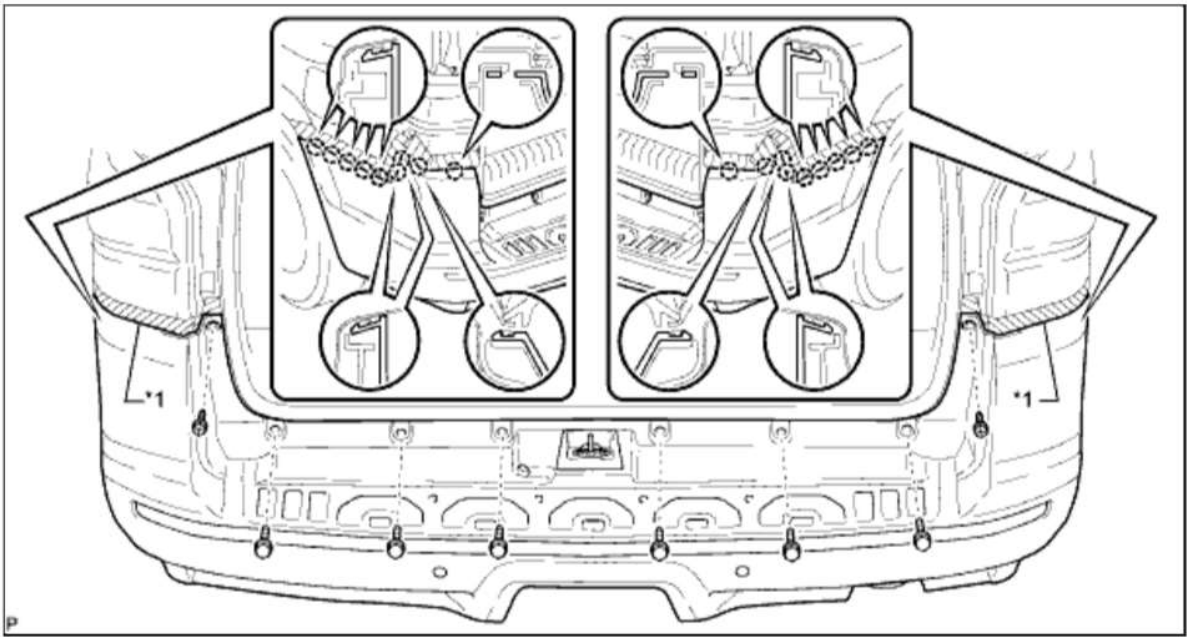
Detach the 18 claws and disconnect the connector.

(e) w/o Intuitive Parking Assist System:

Detach the 18 claws.

(f) Remove the rear bumper cover.

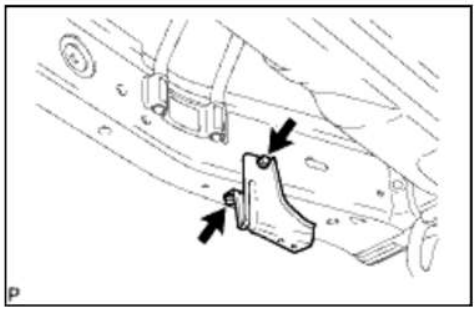
cardiagn.com



Text in Illustration

*1	Protective Tape	-	-

5. REMOVE REAR BUMPER ENERGY ABSORBER INFO



6. REMOVE REAR BUMPER BAR REINFORCEMENT LH

(a) Remove the 2 bolts and rear bumper bar reinforcement.

7. REMOVE REAR BUMPER BAR REINFORCEMENT RH

HINT:

Use the same procedure described for the LH side.

8. REMOVE REAR BUMPER SIDE SUPPORT LH INFO

9. REMOVE REAR BUMPER SIDE SUPPORT RH

HINT:

Use the same procedure described for the LH side.

10. REMOVE REAR COMBINATION LIGHT LENS AND BODY LH INFO

cardiagn.com

11. REMOVE REAR COMBINATION LIGHT LENS AND BODY RH

HINT:

Use the same procedure described for the LH side.

12. REMOVE REAR BUMPER UPPER RETAINER LH INFO

13. REMOVE REAR BUMPER UPPER RETAINER RH

HINT:

Use the same procedure described for the LH side.

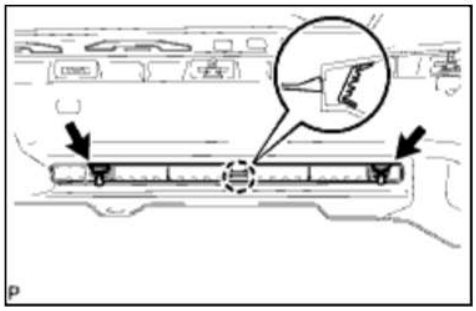
14. REMOVE PINTLE HOOK SUPPORT TUBE SUB-ASSEMBLY (w/ Pintle Hook) INFO



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000476C001X
Title: EXTERIOR PANELS / TRIM: REAR BUMPER (for X-Runner): DISASSEMBLY (2010 4Runner)		

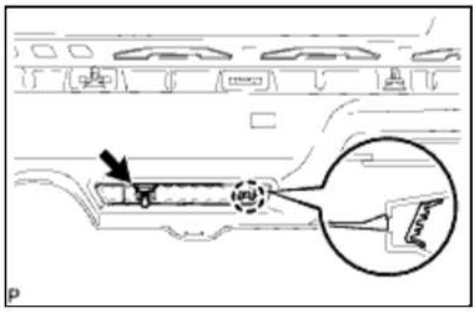
DISASSEMBLY



1. REMOVE REAR BUMPER PLATE LH

(a) Remove the 2 outside moulding retainers.

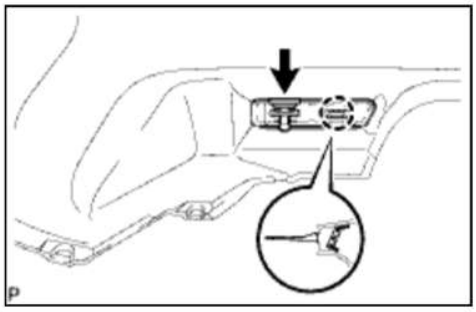
(b) Detach the claw and remove the rear bumper plate.



2. REMOVE REAR BUMPER PLATE RH

(a) Remove the outside moulding retainer.

(b) Detach the claw and remove the rear bumper plate.



3. REMOVE NO. 1 REAR BUMPER PLATE

(a) Remove the outside moulding retainer.

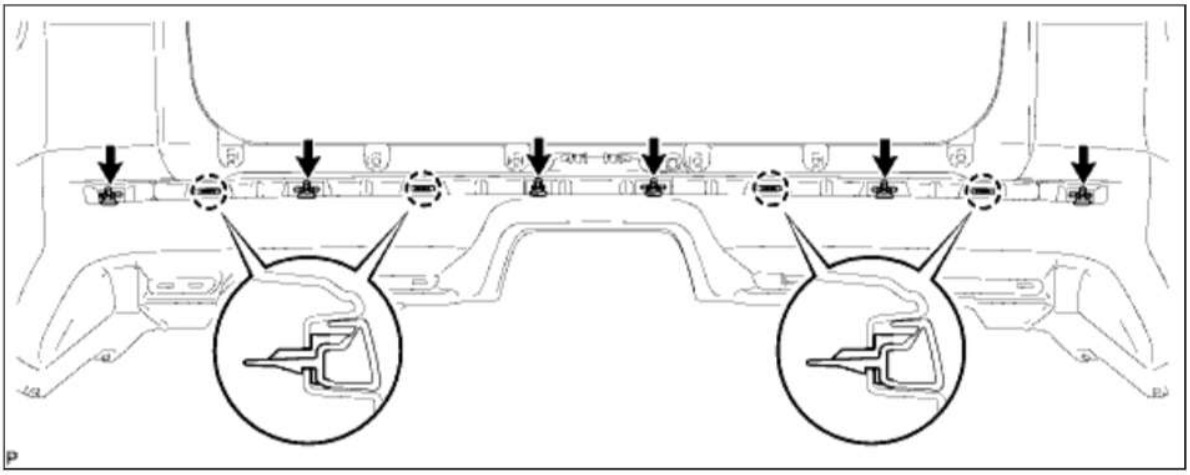
(b) Detach the claw and remove the No. 1 rear bumper plate.

4. REMOVE REAR BUMPER CENTER MOULDING

(a) Remove the 6 outside moulding retainers.

(b) Detach the 4 claws and remove the rear bumper center moulding.

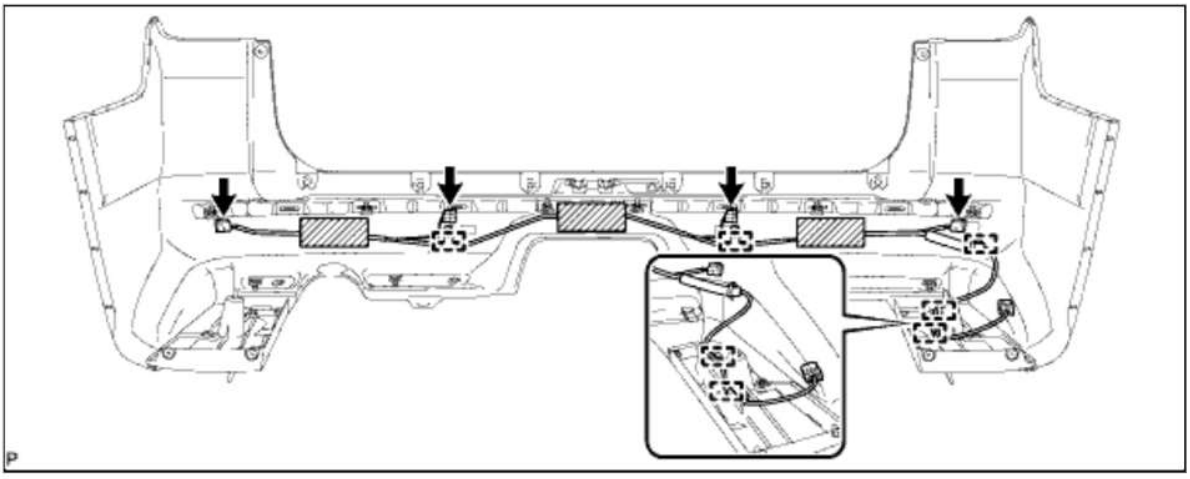
cardiagn.com

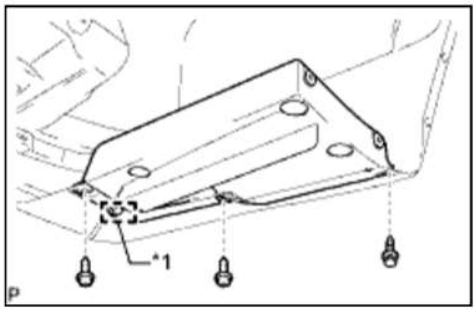


5. REMOVE NO. 3 FLOOR WIRE (w/ Intuitive Parking Assist System)

(a) Disconnect the 4 connectors and remove the 3 pieces of tape.

(b) Detach the 5 clamps and remove the No. 3 floor wire.





6. REMOVE REAR BUMPER SIDE BRACKET LH

(a) Remove the clip and 2 screws.

(b) Detach the guide and remove the rear bumper side bracket.

Text in Illustration

*1	Guide

7. REMOVE REAR BUMPER SIDE BRACKET RH

HINT:

Use the same procedure described for the LH side.

cardiagn.com

8. REMOVE NO. 1 ULTRASONIC SENSOR (w/ Intuitive Parking Assist System) INFO

9. REMOVE ULTRASONIC SENSOR CLIP INFO

10. REMOVE NO. 2 ULTRASONIC SENSOR RETAINER (w/ Intuitive Parking Assist System) INFO

11. REMOVE NO. 1 ULTRASONIC SENSOR RETAINER (w/ Intuitive Parking Assist System) INFO



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000476D001X
Title: EXTERIOR PANELS / TRIM: REAR BUMPER (for X-Runner): REASSEMBLY (2010 4Runner)		

REASSEMBLY

1. INSTALL NO. 1 ULTRASONIC SENSOR RETAINER (w/ Intuitive Parking Assist System)

INFO

2. INSTALL NO. 2 ULTRASONIC SENSOR RETAINER (w/ Intuitive Parking Assist System)

INFO

3. INSTALL ULTRASONIC SENSOR CLIP INFO

4. INSTALL NO. 1 ULTRASONIC SENSOR (w/ Intuitive Parking Assist System) INFO

5. INSTALL REAR BUMPER SIDE BRACKET LH

(a) Install the rear bumper side bracket with the 2 screws and clip.

6. INSTALL REAR BUMPER SIDE BRACKET RH

HINT:

Use the same procedure described for the LH side.

7. INSTALL NO. 3 FLOOR WIRE (w/ Intuitive Parking Assist System)

(a) Clean the rear bumper surface.

(1) Using a heat light, heat the rear bumper surface.

(2) Remove the double-sided tape from the rear bumper surface.

(3) Wipe off any tape adhesive residue with cleaner.

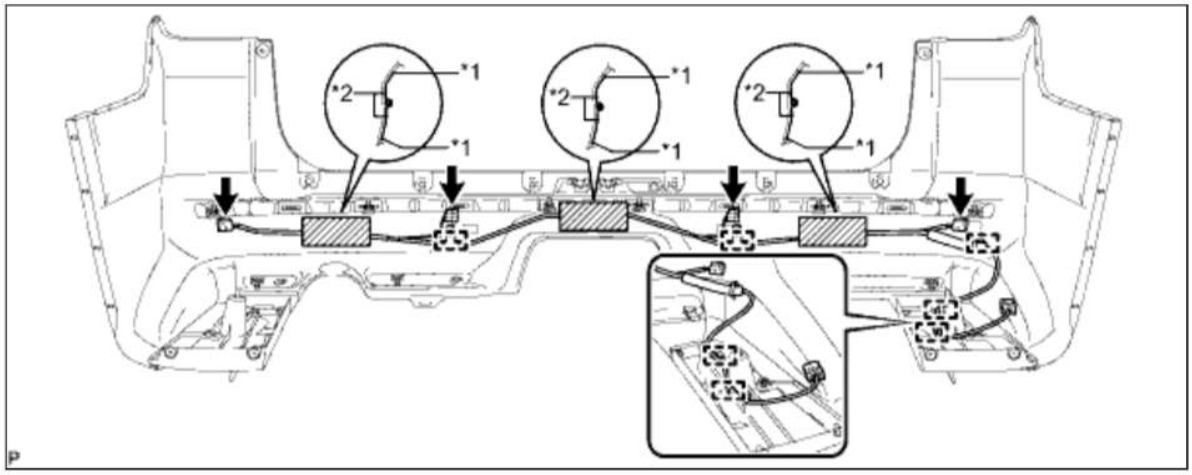
(b) Attach the 5 clamps and connect the 4 connectors.

(c) Install the No. 3 floor wire with the new 3 pieces of tape as shown in the illustration.

HINT:

- With the wire harness contacting the bumper cover, wrap tape around as much of the wire harness as possible.
- Do not reuse the tape.
- Be sure to install the wire harness so that it is centered between the guidelines labeled B and attach the tape so that its edges are aligned with the guidelines labeled A.

cardiagn.com



Text in Illustration

*1	Guideline A	*2	Guideline B

8. INSTALL REAR BUMPER CENTER MOULDING

(a) Attach the 4 claws to install the rear bumper center moulding.

(b) Install the 6 outside moulding retainers.

9. INSTALL NO. 1 REAR BUMPER PLATE

(a) Attach the claw to install the No. 1 rear bumper plate.

(b) Install the outside moulding retainer.

10. INSTALL REAR BUMPER PLATE RH

(a) Attach the claw to install the rear bumper plate.

(b) Install the outside moulding retainer.

11. INSTALL REAR BUMPER PLATE LH

(a) Attach the claw to install the rear bumper plate.

(b) Install the 2 outside moulding retainers.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000038K000FX
Title: EXTERIOR PANELS / TRIM: REAR BUMPER (for X-Runner): INSTALLATION (2010 4Runner)		

INSTALLATION

HINT:

A bolt without a torque specification is shown in the standard bolt chart INFO .

1. INSTALL PINTLE HOOK SUPPORT TUBE SUB-ASSEMBLY (w/ Pintle Hook) INFO

2. INSTALL REAR BUMPER UPPER RETAINER LH INFO

3. INSTALL REAR BUMPER UPPER RETAINER RH

HINT:

Use the same procedure described for the LH side.

4. INSTALL REAR COMBINATION LIGHT LENS AND BODY LH INFO

5. INSTALL REAR COMBINATION LIGHT LENS AND BODY RH

HINT:

Use the same procedure described for the LH side.

6. INSTALL REAR BUMPER SIDE SUPPORT LH INFO

7. INSTALL REAR BUMPER SIDE SUPPORT RH

HINT:

Use the same procedure described for the LH side.

8. INSTALL REAR BUMPER BAR REINFORCEMENT LH

(a) Install the rear bumper bar reinforcement with the 2 bolts.

9. INSTALL REAR BUMPER BAR REINFORCEMENT RH

HINT:

Use the same procedure described for the LH side.

10. INSTALL REAR BUMPER ENERGY ABSORBER INFO

11. INSTALL REAR BUMPER COVER

(a) w/ Intuitive Parking Assist System:

Connect the connector.

(b) Attach the 18 claws to install the rear bumper cover.

(c) Install the 8 bolts and 4 screws.

12. INSTALL REAR QUARTER PANEL MUDGUARD LH INFO

cardiagn.com

13. INSTALL REAR QUARTER PANEL MUDGUARD RH

HINT:

Use the same procedure described for the LH side.

14. INSTALL JACK BOX HOLE COVER INFO

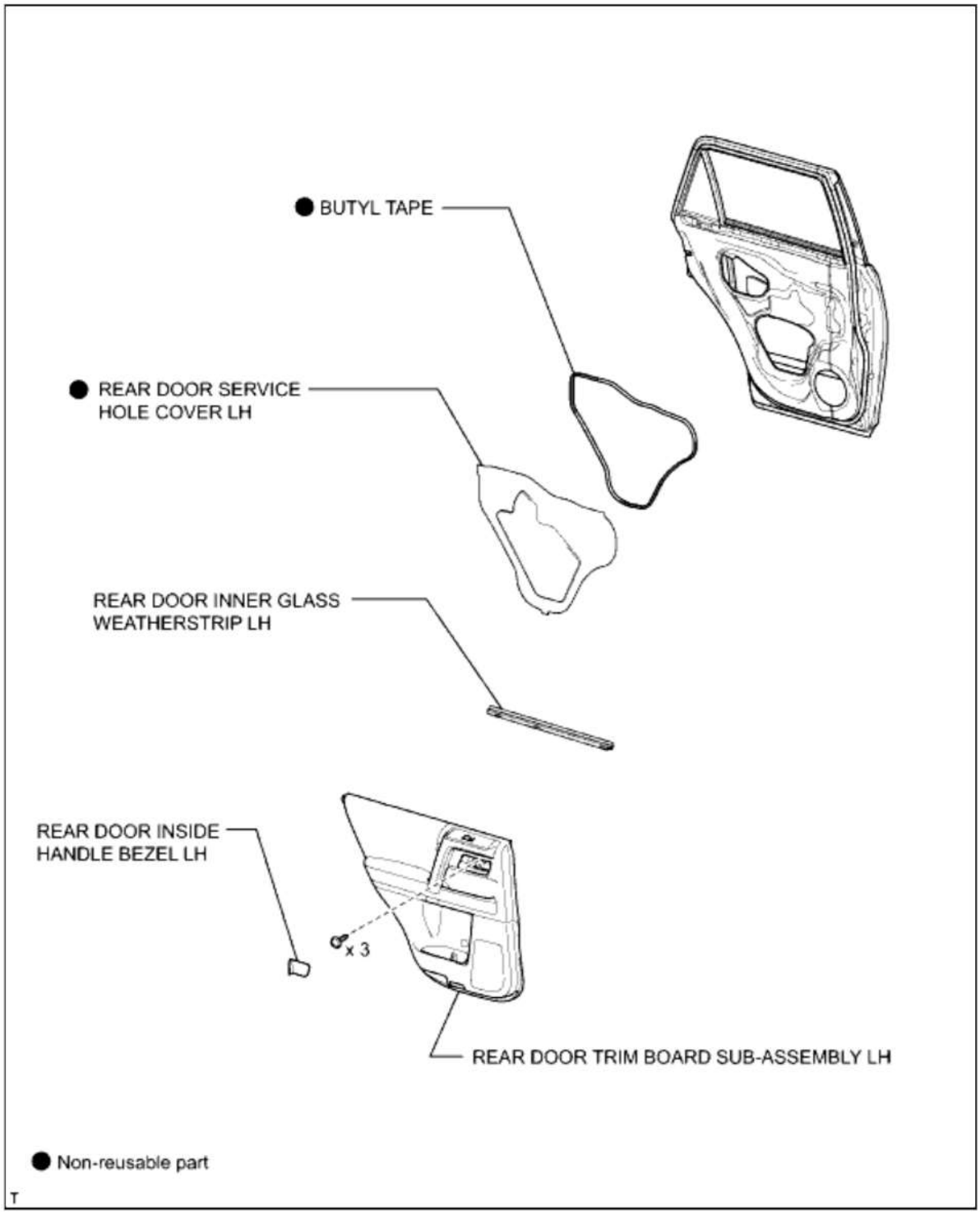


cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000478C001X
Title: EXTERIOR PANELS / TRIM: REAR DOOR BELT MOULDING: COMPONENTS (2010 4Runner)		

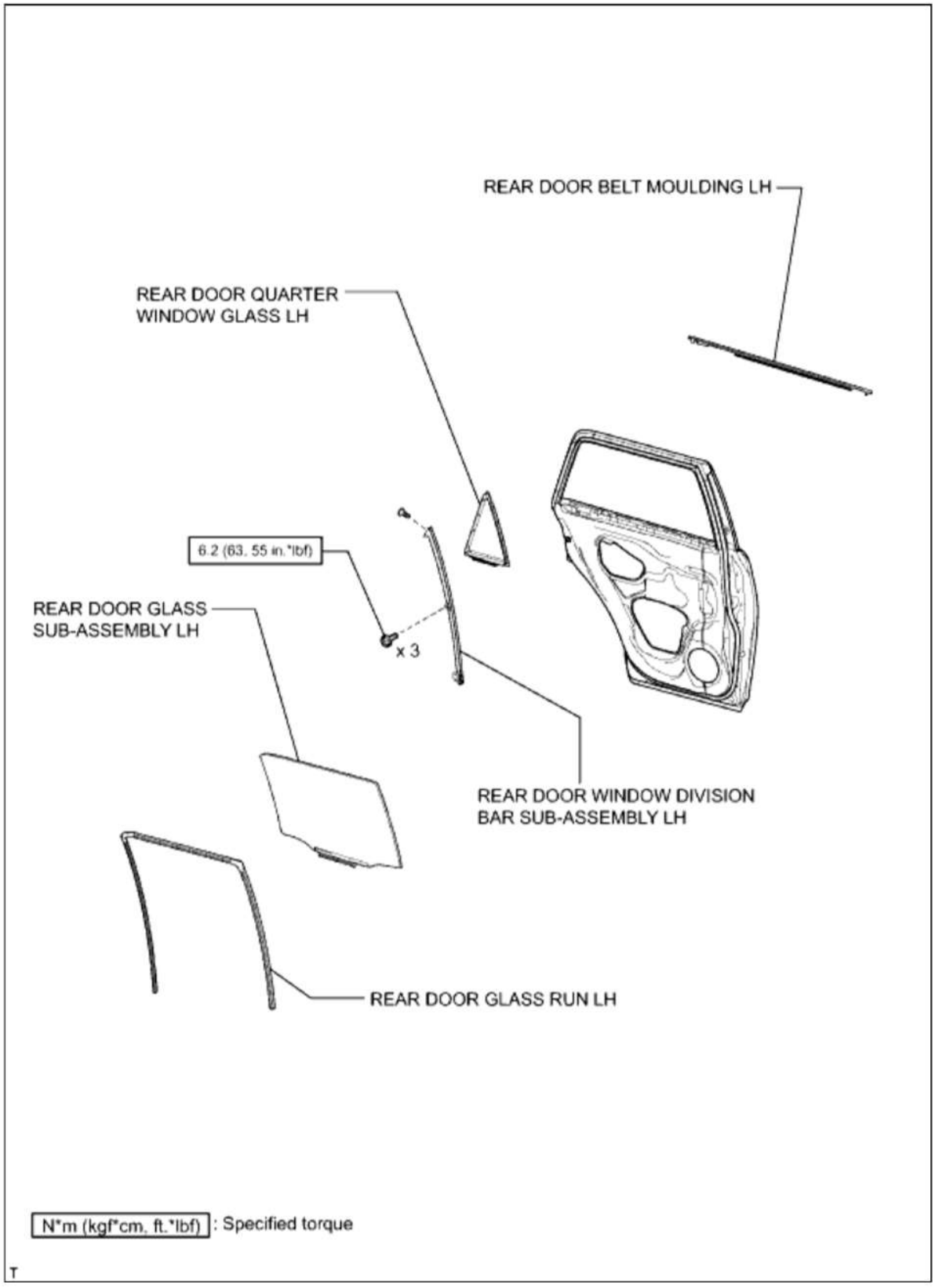
COMPONENTS

ILLUSTRATION



cardiagn.com

ILLUSTRATION



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000039Z700FX
Title: EXTERIOR PANELS / TRIM: REAR DOOR BELT MOULDING: 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 INFO .

2. REMOVE REAR DOOR INSIDE HANDLE BEZEL LH INFO

3. REMOVE REAR DOOR TRIM BOARD SUB-ASSEMBLY LH INFO

4. REMOVE REAR DOOR INNER GLASS WEATHERSTRIP LH INFO

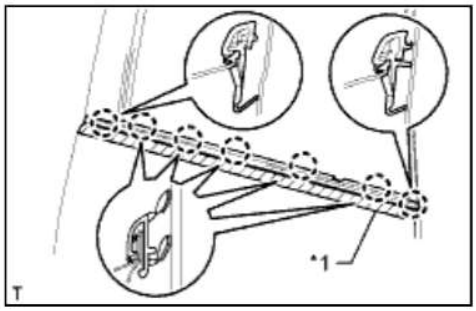
5. REMOVE REAR DOOR SERVICE HOLE COVER LH INFO

6. REMOVE REAR DOOR GLASS RUN LH INFO

7. REMOVE REAR DOOR WINDOW DIVISION BAR SUB-ASSEMBLY LH INFO

8. REMOVE REAR DOOR QUARTER WINDOW GLASS LH INFO

9. REMOVE REAR DOOR GLASS SUB-ASSEMBLY LH INFO



10. REMOVE REAR DOOR BELT MOULDING LH

(a) Detach the 7 claws and remove the rear door belt moulding.

Text in Illustration

*1	Protective Tape

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000039Z500FX
Title: EXTERIOR PANELS / TRIM: REAR DOOR BELT MOULDING: 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 BELT MOULDING LH

(a) Attach the 7 claws to install the rear door belt moulding.

2. INSTALL REAR DOOR GLASS SUB-ASSEMBLY LH INFO

3. INSTALL REAR DOOR QUARTER WINDOW GLASS LH INFO

4. INSTALL REAR DOOR WINDOW DIVISION BAR SUB-ASSEMBLY LH INFO

5. INSTALL REAR DOOR GLASS RUN LH INFO

6. INSTALL REAR DOOR SERVICE HOLE COVER LH INFO

7. INSTALL REAR DOOR INNER GLASS WEATHERSTRIP LH INFO

8. INSTALL REAR DOOR TRIM BOARD SUB-ASSEMBLY LH INFO

9. INSTALL REAR DOOR INSIDE HANDLE BEZEL LH INFO

10. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

NOTICE:

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

11. CHECK SRS WARNING LIGHT

(a) Check the SRS warning light INFO .

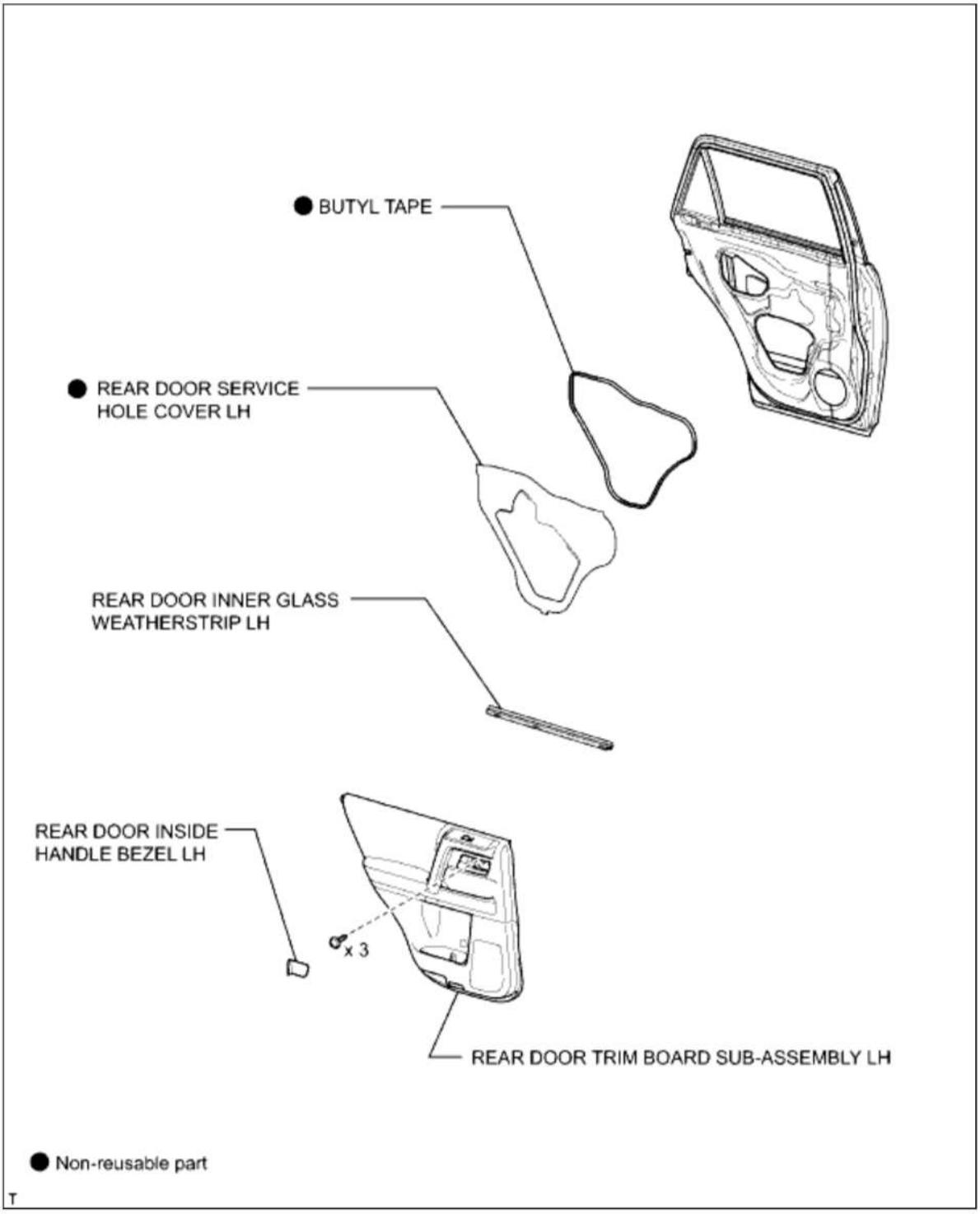
cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000478C002X
Title: EXTERIOR PANELS / TRIM: REAR DOOR WINDOW FRAME MOULDING: COMPONENTS (2010 4Runner)		

COMPONENTS

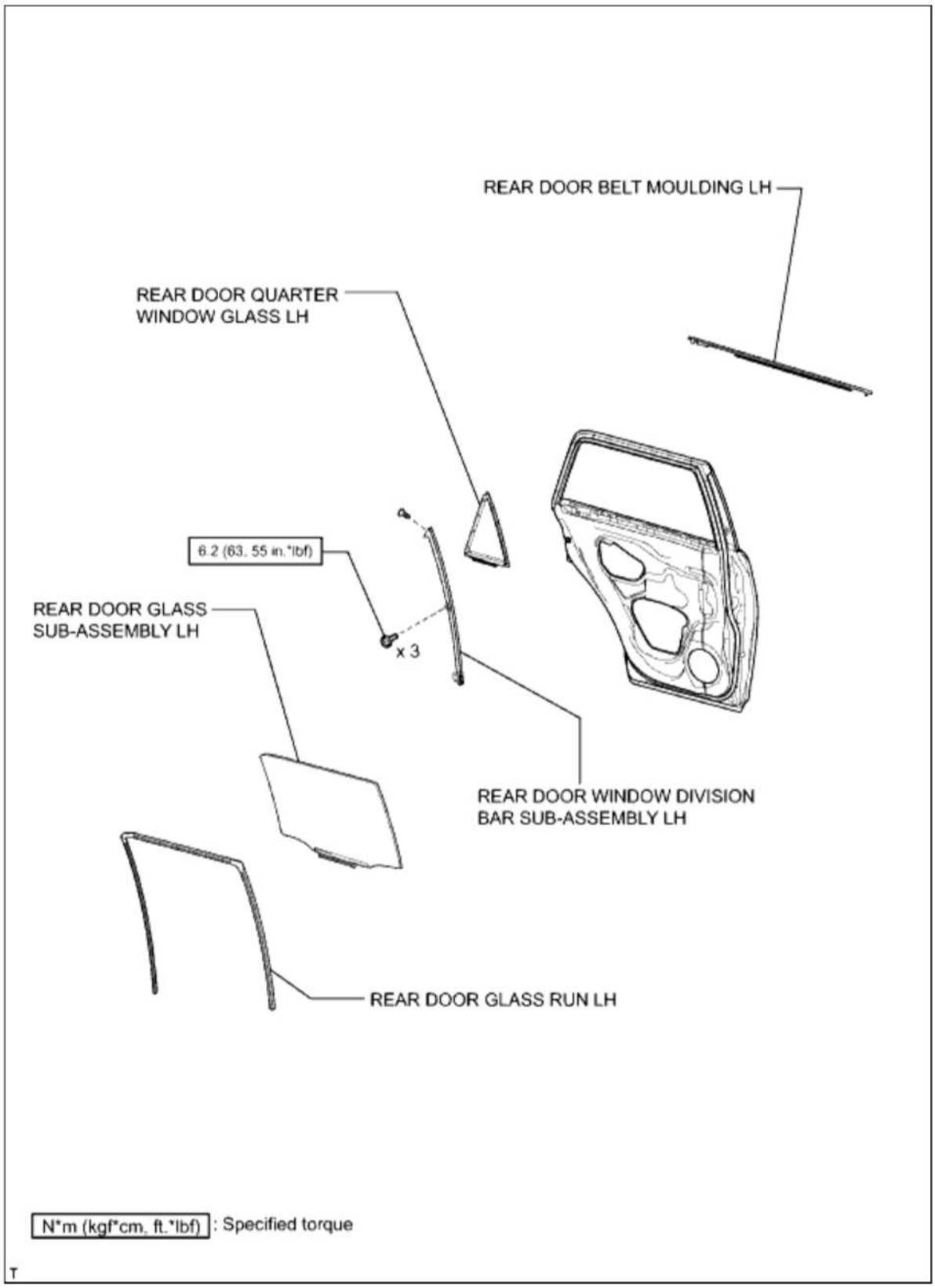
ILLUSTRATION

cardiagn.com



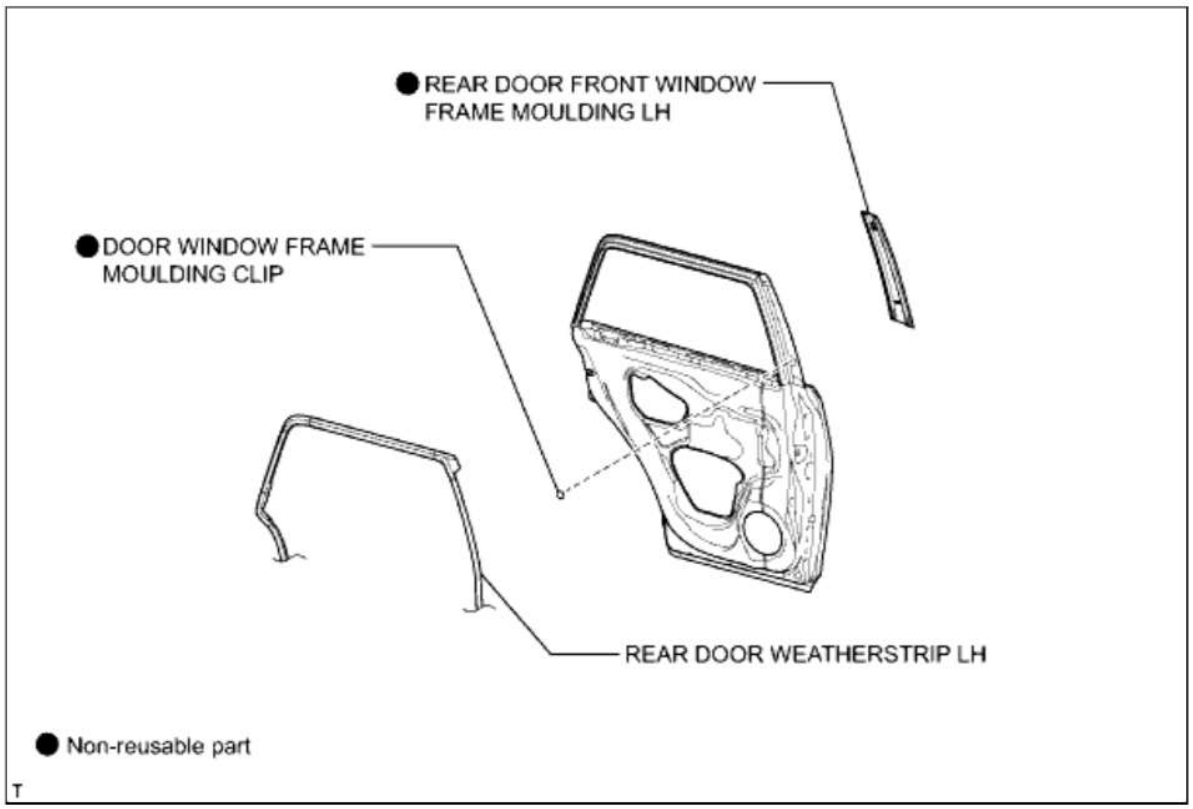
ILLUSTRATION

cardiagn.com



ILLUSTRATION

cardiagn.com



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000039Z700GX
Title: EXTERIOR PANELS / TRIM: REAR DOOR WINDOW FRAME MOULDING: REMOVAL (2010 4Runner)		

REMOVAL

HINT:

- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.
- When removing the window frame moulding, heat the vehicle body and window frame moulding using a heat light.

Standard:

ITEM	TEMPERATURE
Vehicle Body	40 to 60°C (104 to 140°F)
Window Frame Moulding	20 to 30°C (68 to 86°F)

NOTICE:

Do not heat the vehicle body or window frame moulding excessively.

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 INFO .

2. REMOVE REAR DOOR INSIDE HANDLE BEZEL LH INFO

3. REMOVE REAR DOOR TRIM BOARD SUB-ASSEMBLY LH INFO

4. REMOVE REAR DOOR INNER GLASS WEATHERSTRIP LH INFO

5. REMOVE REAR DOOR SERVICE HOLE COVER LH INFO

6. REMOVE REAR DOOR GLASS RUN LH INFO

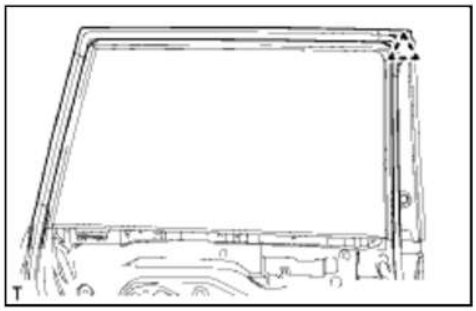
7. REMOVE REAR DOOR WINDOW DIVISION BAR SUB-ASSEMBLY LH INFO

8. REMOVE REAR DOOR QUARTER WINDOW GLASS LH INFO

9. REMOVE REAR DOOR GLASS SUB-ASSEMBLY LH INFO

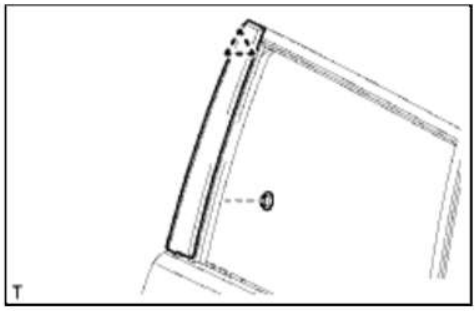
10. REMOVE REAR DOOR BELT MOULDING LH INFO

cardiagn.com



11. REMOVE REAR DOOR WEATHERSTRIP LH

(a) Detach the clip and remove the upper part of the rear door weatherstrip so that the moulding can be removed.



12. REMOVE REAR DOOR FRONT WINDOW FRAME MOULDING LH

(a) Remove the door window frame moulding clip.

(b) Detach the clip and remove the double-sided tape to remove the rear door front window frame moulding.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000039Z500GX
Title: EXTERIOR PANELS / TRIM: REAR DOOR WINDOW FRAME MOULDING: INSTALLATION (2010 4Runner)		

INSTALLATION

HINT:

- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.
- When installing the window frame moulding, heat the vehicle body and window frame moulding using a heat light.

Standard:

ITEM	TEMPERATURE
Vehicle Body	40 to 60°C (104 to 140°F)
Window Frame Moulding	20 to 30°C (68 to 86°F)

NOTICE:

Do not heat the vehicle body or window frame moulding excessively.

1. INSTALL REAR DOOR FRONT WINDOW FRAME MOULDING LH

(a) Clean the vehicle body surface.

(1) Using a heat light, heat the vehicle body surface.

(2) Remove the double-sided tape from the vehicle body surface.

(3) Wipe off any tape adhesive residue with cleaner.

(b) Install a new rear door front window frame moulding.

(1) Using a heat light, heat a new rear door front window frame moulding and the vehicle body surface.

(2) Remove the peeling paper from the face of the rear door front window frame moulding.

HINT:

After removing the peeling paper, keep the exposed adhesive free from foreign matter.

(3) Attach the clip and double-sided tape to install the rear door front window frame moulding.

HINT:

Press the rear door front window frame moulding firmly to install it.

(c) Install a new door window frame moulding clip.

2. INSTALL REAR DOOR WEATHERSTRIP LH

(a) Attach the 3 clips to install the upper part of the rear door weatherstrip.

3. INSTALL REAR DOOR BELT MOULDING LH INFO

cardiagn.com

4. INSTALL REAR DOOR GLASS SUB-ASSEMBLY LH INFO

5. INSTALL REAR DOOR QUARTER WINDOW GLASS LH INFO

6. INSTALL REAR DOOR WINDOW DIVISION BAR SUB-ASSEMBLY LH INFO

7. INSTALL REAR DOOR GLASS RUN LH INFO

8. INSTALL REAR DOOR SERVICE HOLE COVER LH INFO

9. INSTALL REAR DOOR INNER GLASS WEATHERSTRIP LH INFO

10. INSTALL REAR DOOR TRIM BOARD SUB-ASSEMBLY LH INFO

11. INSTALL REAR DOOR INSIDE HANDLE BEZEL LH INFO

12. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

NOTICE:

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

13. CHECK SRS WARNING LIGHT

(a) Check the SRS warning light INFO .

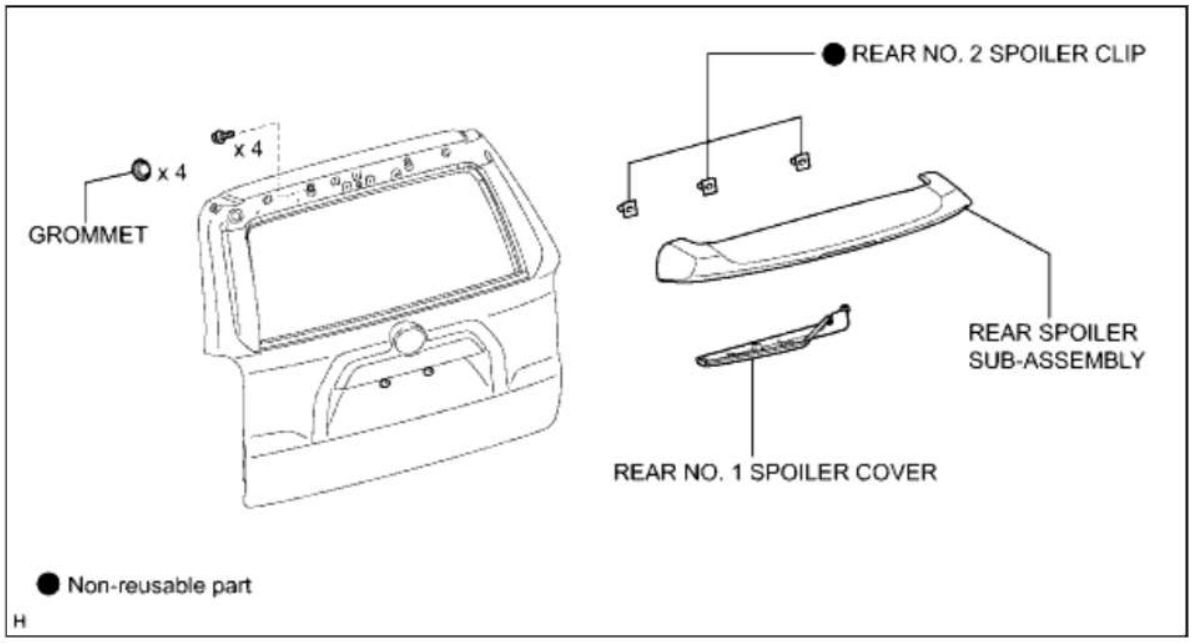


cardiagn.com

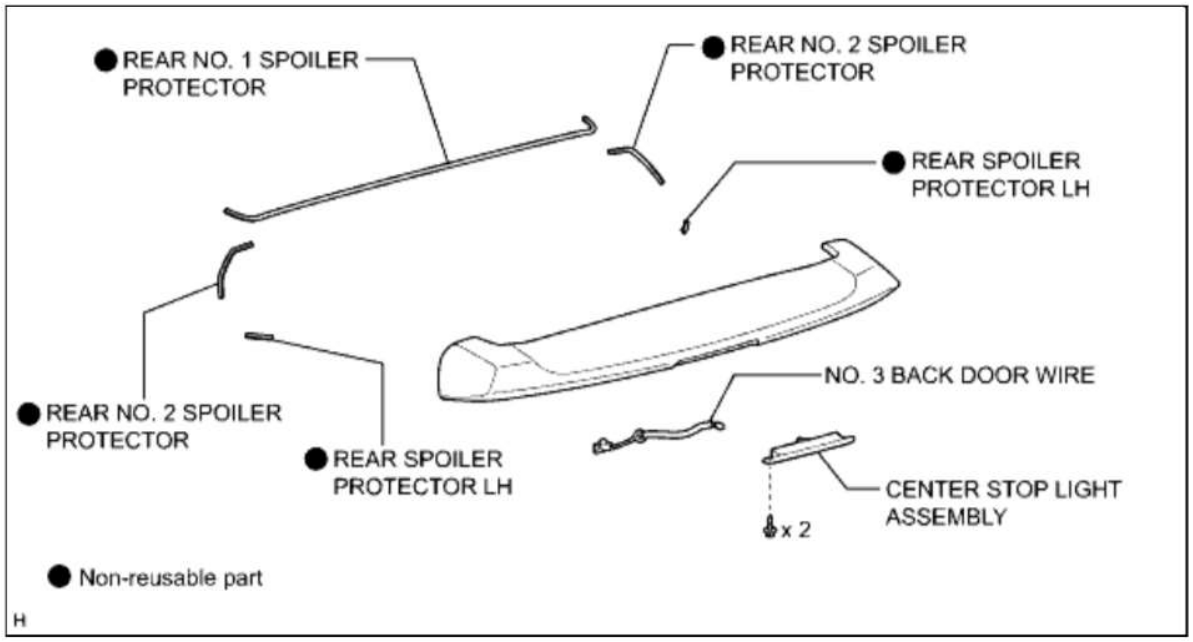
Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000476Y000X
Title: EXTERIOR PANELS / TRIM: REAR SPOILER: COMPONENTS (2010 4Runner)		

COMPONENTS

ILLUSTRATION



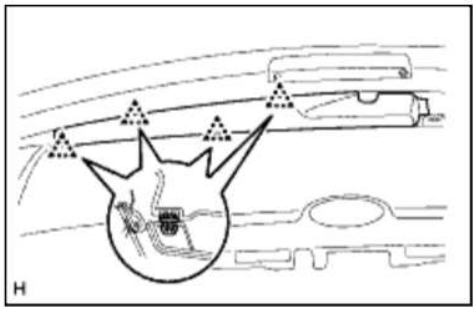
ILLUSTRATION



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000476Z000X
Title: EXTERIOR PANELS / TRIM: REAR SPOILER: REMOVAL (2010 4Runner)		

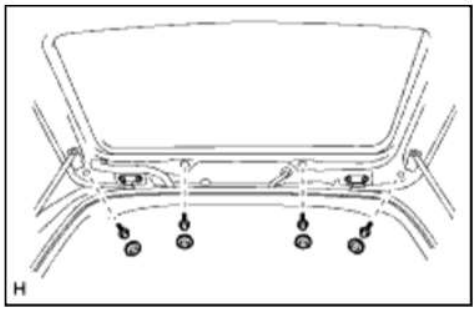
REMOVAL



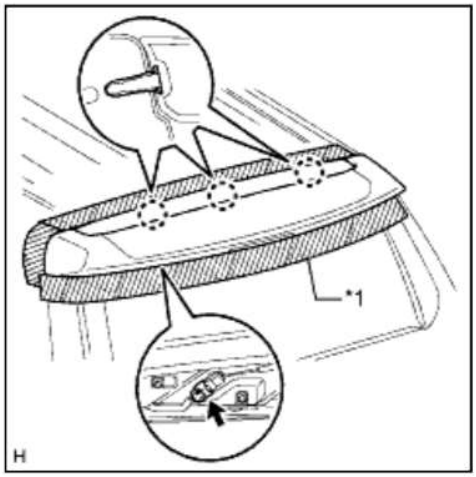
1. REMOVE REAR NO. 1 SPOILER COVER

(a) Detach the 4 clips and remove the rear No. 1 spoiler cover.

2. REMOVE REAR SPOILER SUB-ASSEMBLY



(a) Remove the 4 grommets and 4 bolts.



(b) Put protective tape around the rear spoiler.

Text in Illustration

*1	Protective Tape

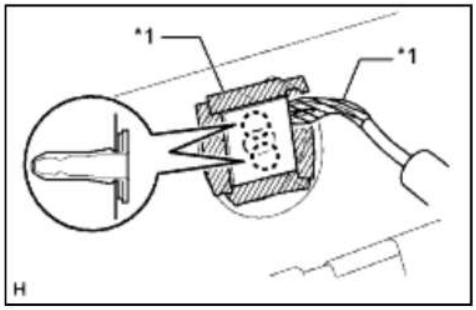
(c) Disconnect the connector.

cardiagn.com

(d) Detach the 3 claws and remove the rear spoiler.

3. REMOVE REAR NO. 2 SPOILER CLIP

HINT:



Use the same procedure to remove the rear No. 2 spoiler clip on the other side.

(a) Put protective tape around the No. 2 rear spoiler clip.

(b) Detach the 2 claws and No. 2 rear spoiler clip.

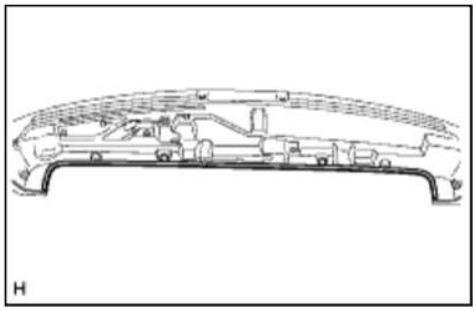
Text in Illustration

*1	Protective Tape

cardiagn.com

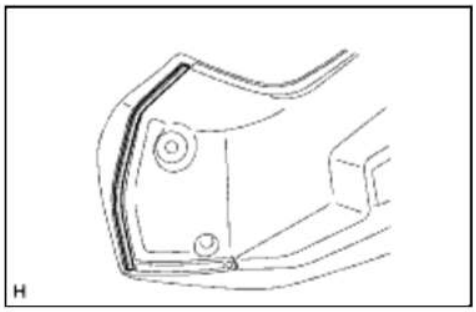
Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000004770000X
Title: EXTERIOR PANELS / TRIM: REAR SPOILER: DISASSEMBLY (2010 4Runner)		

DISASSEMBLY



1. REMOVE REAR NO. 1 SPOILER PROTECTOR

(a) Remove the rear No. 1 spoiler protector.

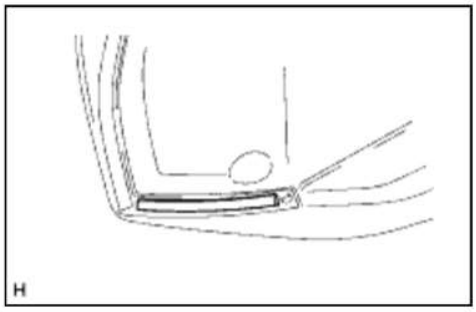


2. REMOVE REAR NO. 2 SPOILER PROTECTOR

HINT:

Use the same procedure to remove the rear No. 2 spoiler protector on the other side.

(a) Remove the rear No. 2 spoiler protector.



3. REMOVE REAR SPOILER PROTECTOR LH

HINT:

Use the same procedure to remove the rear spoiler protector on the other side.

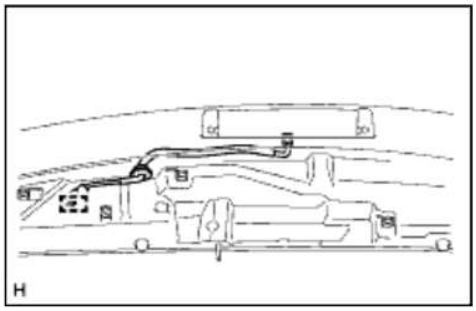
(a) Remove the rear spoiler protector.

4. REMOVE CENTER STOP LIGHT ASSEMBLY INFO

5. REMOVE NO. 3 BACK DOOR WIRE

(a) Detach the clamp and remove the No. 3 back door wire.

cardiagn.com



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000476W001X
Title: EXTERIOR PANELS / TRIM: REAR SPOILER: REASSEMBLY (2010 4Runner)		

REASSEMBLY

HINT:

When installing the rear spoiler protector, heat the rear spoiler surface using a heat light.

Standard:

ITEM	TEMPERATURE
Rear Spoiler	20 to 30°C (68 to 86°F)

1. INSTALL NO. 3 BACK DOOR WIRE

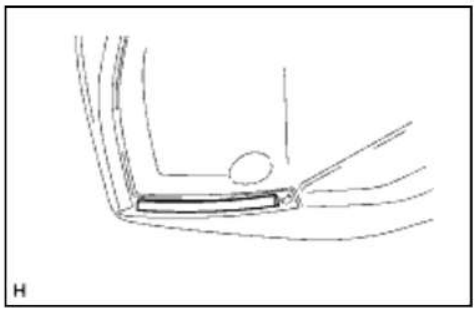
(a) Attach the clamp to install the No. 3 back door wire.

2. INSTALL CENTER STOP LIGHT ASSEMBLY

3. INSTALL REAR SPOILER PROTECTOR LH

HINT:

Use the same procedure to install the rear spoiler protector on the other side.



(a) Clean the rear spoiler surface.

(1) Using a heat light, heat the rear spoiler surface.

(2) Remove the double-sided tape from the rear spoiler surface.

(3) Wipe off any tape adhesive residue with cleaner.

(b) Install a new rear spoiler protector.

(1) Remove the peeling paper from the face of a new rear spoiler protector.

HINT:

After removing the peeling paper, keep the exposed adhesive free from foreign matter.

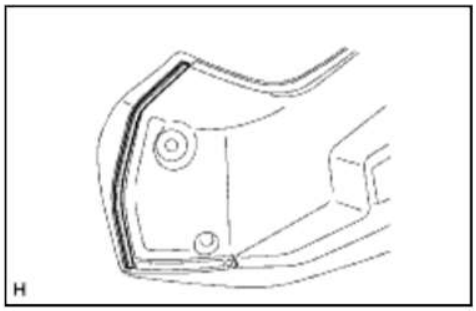
(2) Install the rear spoiler protector as shown in the illustration.

4. INSTALL REAR NO. 2 SPOILER PROTECTOR

HINT:

cardiagn.com

Use the same procedure to install the rear No. 2 spoiler protector on the other side.



(a) Clean the rear spoiler surface.

(1) Using a heat light, heat the rear spoiler surface.

(2) Remove the double-sided tape from the rear spoiler surface.

(3) Wipe off any tape adhesive residue with cleaner.

(b) Install a new rear No. 2 spoiler protector.

(1) Remove the peeling paper from the face of a new rear No. 2 spoiler protector.

HINT:

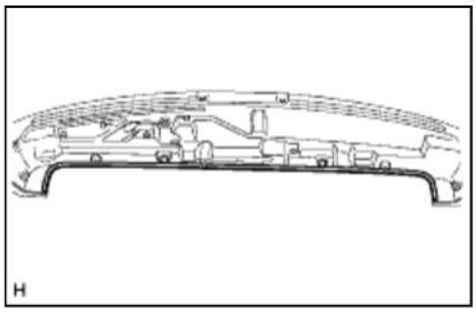
After removing the peeling paper, keep the exposed adhesive free from foreign matter.

(2) Install the rear No. 2 spoiler protector as shown in the illustration.

5. INSTALL REAR NO. 1 SPOILER PROTECTOR

HINT:

Use the same procedure to install the No. 1 rear spoiler protector on the other side.



(a) Clean the rear spoiler surface.

(1) Using a heat light, heat the rear spoiler surface.

(2) Remove the double-sided tape from the rear spoiler surface.

(3) Wipe off any tape adhesive residue with cleaner.

(b) Install a new rear No. 1 spoiler protector.

(1) Remove the peeling paper from the face of a new rear No. 1 spoiler protector.

HINT:

After removing the peeling paper, keep the exposed adhesive free from foreign matter.

(2) Install the rear No. 1 spoiler protector as shown in the illustration.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000047IQ000X
Title: EXTERIOR PANELS / TRIM: REAR SPOILER: INSTALLATION (2010 4Runner)		

INSTALLATION

HINT:

A bolt without a torque specification is shown in the standard bolt chart INFO **.**

1. INSTALL REAR NO. 2 SPOILER CLIP

HINT:

Use the same procedure to install the rear No. 2 spoiler clip on the other side.

(a) Attach the 2 claws to install a new rear No. 2 spoiler clip.

2. INSTALL REAR SPOILER SUB-ASSEMBLY

(a) Attach the 3 claws to install the rear spoiler.

(b) Connect the connector.

(c) Install the 4 bolts and 4 grommets.

3. INSTALL REAR NO. 1 SPOILER COVER

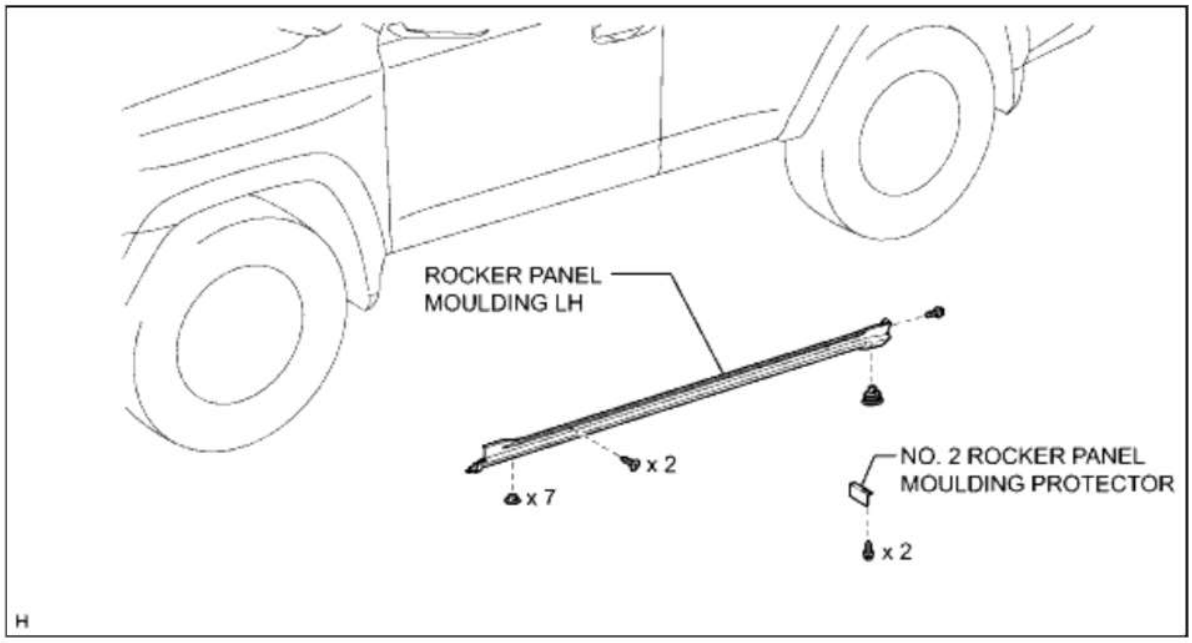
(a) Attach the 4 clips to install the rear No. 1 spoiler cover.

cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000477U002X
Title: EXTERIOR PANELS / TRIM: ROCKER PANEL MOULDING: COMPONENTS (2010 4Runner)		

COMPONENTS

ILLUSTRATION



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000477V002X
Title: EXTERIOR PANELS / TRIM: ROCKER PANEL MOULDING: REMOVAL (2010 4Runner)		

REMOVAL

HINT:

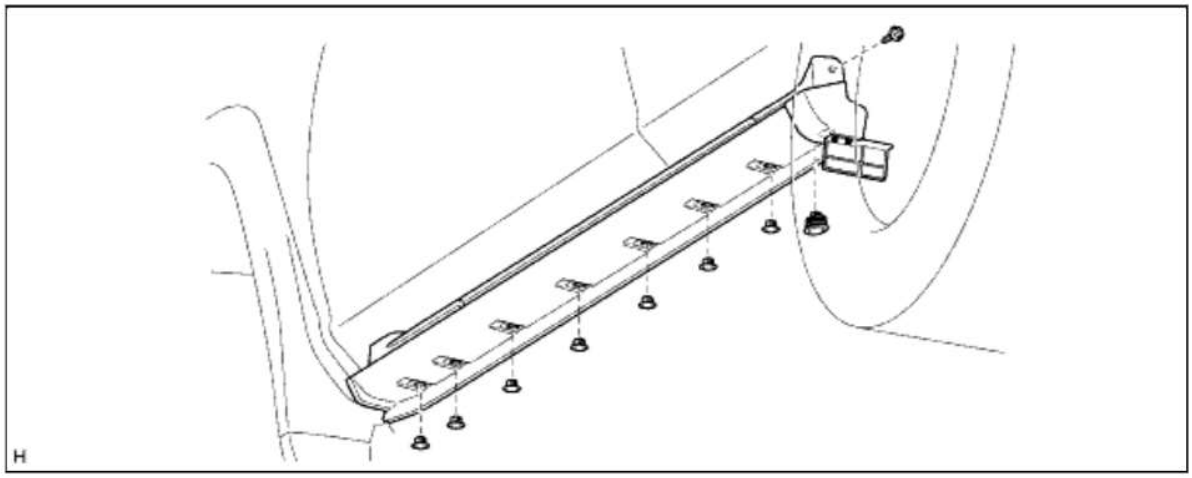
- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.

1. REMOVE SIDE STEP ASSEMBLY LH (w/ Side Step)

(a) Remove the side step INFO .

2. REMOVE ROCKER PANEL MOULDING LH

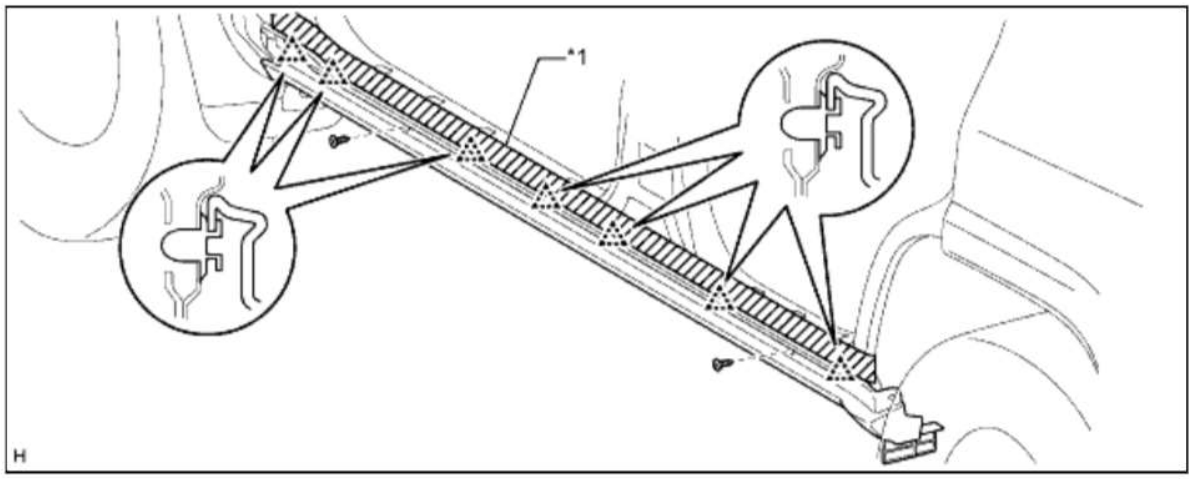
(a) Remove the 7 retainers, clip and screw.



(b) Put protective tape around the rocker panel moulding.

(c) Remove the 2 screws.

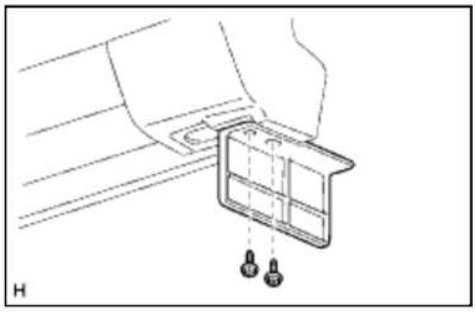
(d) Detach the 7 clips and remove the rocker panel moulding.



cardiagn.com

Text in Illustration

*1	Protective Tape	-	-



3. REMOVE NO. 2 ROCKER PANEL MOULDING PROTECTOR

(a) Remove the 2 screws and No. 2 rocker panel moulding protector.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000477T002X
Title: EXTERIOR PANELS / TRIM: ROCKER PANEL MOULDING: 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 NO. 2 ROCKER PANEL MOULDING PROTECTOR

(a) Install the No. 2 rocker panel moulding protector with the 2 screws.

2. INSTALL ROCKER PANEL MOULDING LH

(a) Attach the 7 clips to install the rocker panel moulding.

(b) Install the 3 screws.

(c) Attach the 7 retainers and clip.

3. INSTALL SIDE STEP ASSEMBLY LH (w/ Side Step)

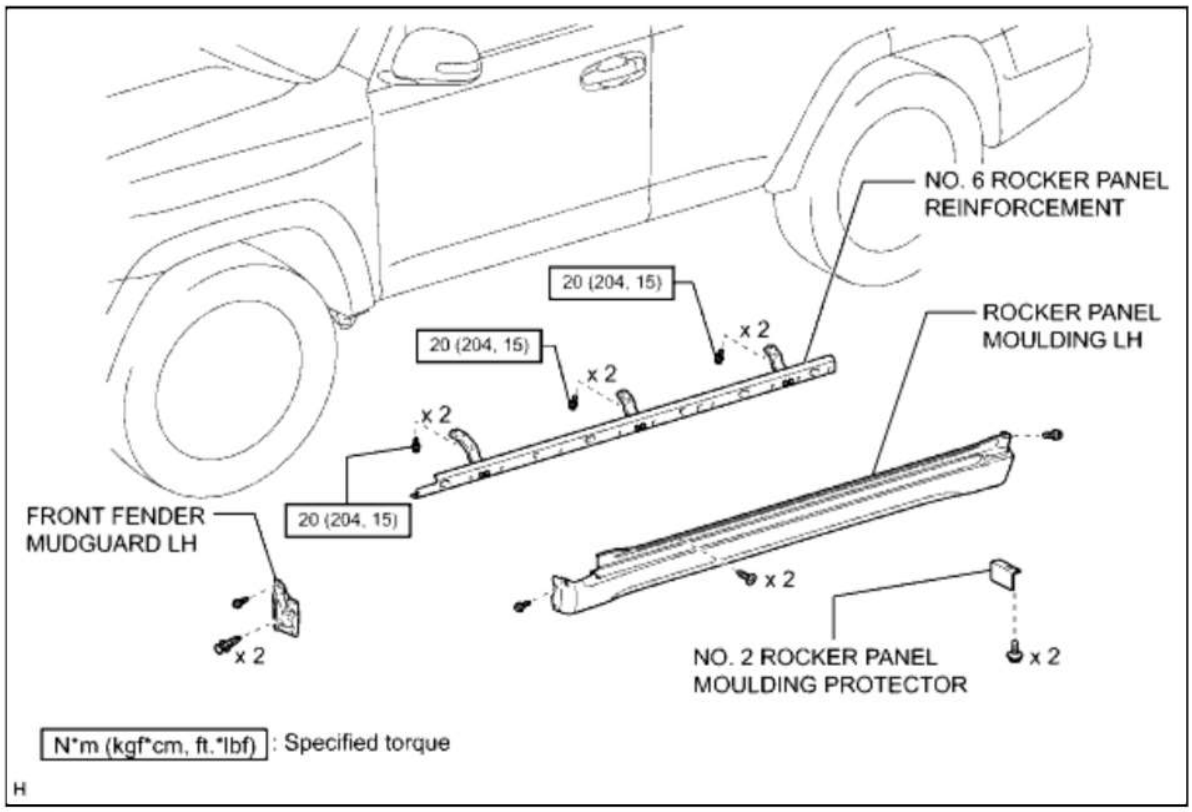
(a) Install the side step INFO .

cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000477U000X
Title: EXTERIOR PANELS / TRIM: ROCKER PANEL MOULDING (for X-Runner): COMPONENTS (2010 4Runner)		

COMPONENTS

ILLUSTRATION



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000477V000X
Title: EXTERIOR PANELS / TRIM: ROCKER PANEL MOULDING (for X-Runner): REMOVAL (2010 4Runner)		

REMOVAL

HINT:

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

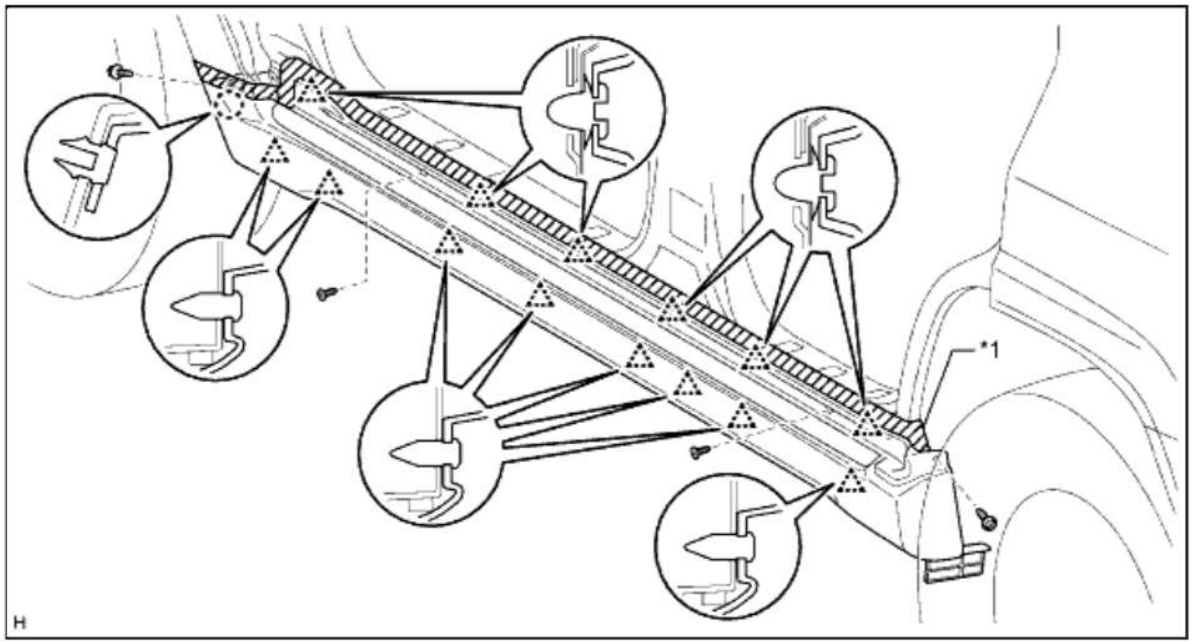
1. REMOVE FRONT FENDER MUDGUARD LH

2. REMOVE ROCKER PANEL MOULDING LH

(a) Put protective tape around the rocker panel moulding.

(b) Remove the 4 screws.

(c) Detach the 15 clips and remove the rocker panel moulding.



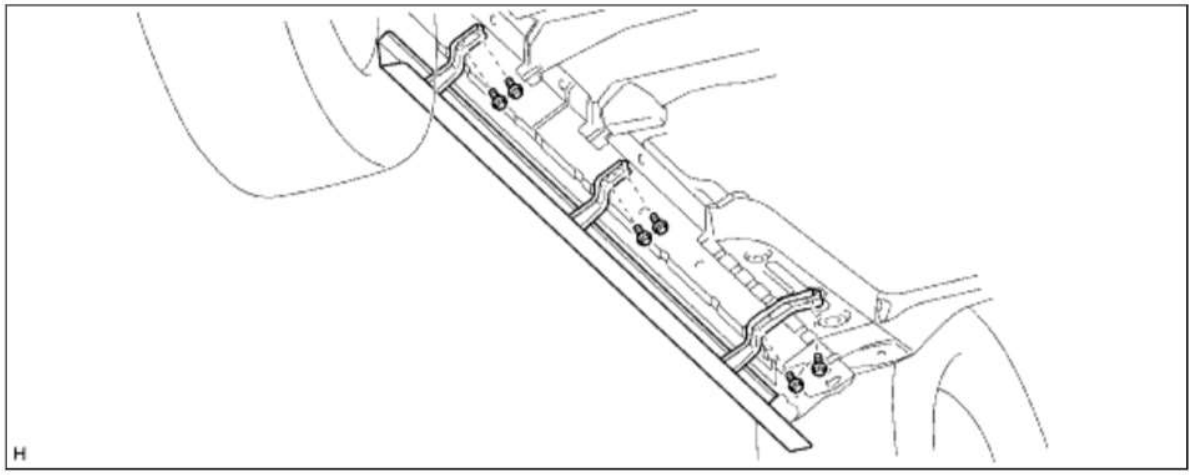
Text in Illustration

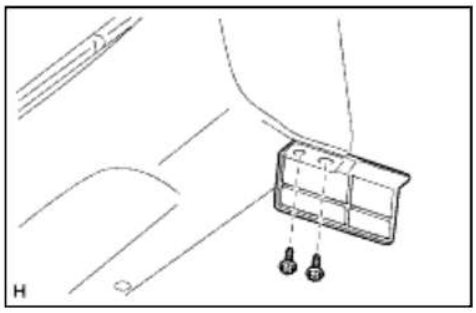
*1	Protective Tape	-	-

3. REMOVE NO. 6 ROCKER PANEL REINFORCEMENT

(a) Remove the 6 bolts and No. 6 rocker panel reinforcement.

cardiagn.com





4. REMOVE NO. 2 ROCKER PANEL MOULDING PROTECTOR

(a) Remove the 2 screws and No. 2 rocker panel moulding protector.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000477T000X
Title: EXTERIOR PANELS / TRIM: ROCKER PANEL MOULDING (for X-Runner): 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 NO. 2 ROCKER PANEL MOULDING PROTECTOR

(a) Install the No. 2 rocker panel moulding protector with the 2 screws.

2. INSTALL NO. 6 ROCKER PANEL REINFORCEMENT

(a) Install the No. 6 rocker panel reinforcement with the 6 bolts.

Torque: 20 N·m (204 kgf·cm, 15ft·lbf)

3. INSTALL ROCKER PANEL MOULDING LH

(a) Attach the 15 clips to install the rocker panel moulding.

(b) Install the 4 screws.

4. INSTALL FRONT FENDER MUDGUARD LH

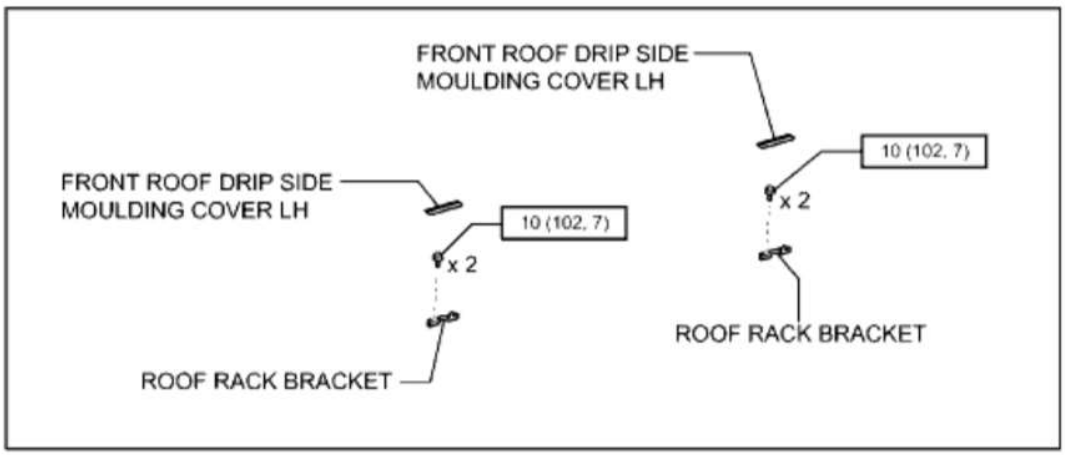
cardiagn.com

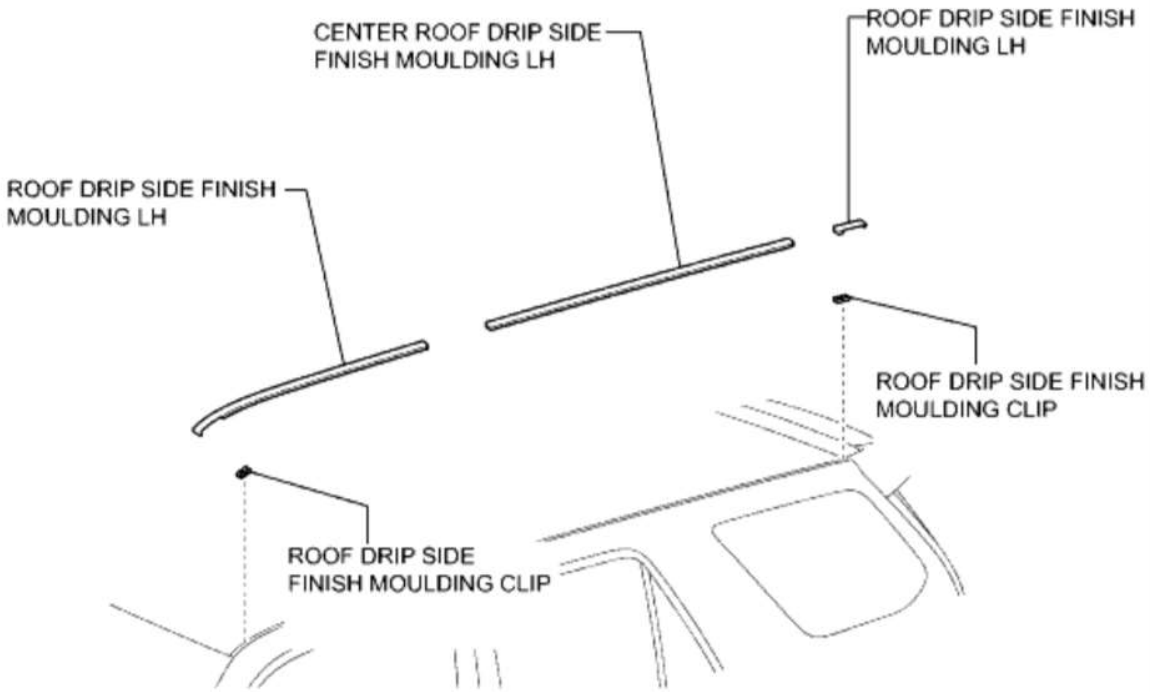
Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000478A000X
Title: EXTERIOR PANELS / TRIM: ROOF DRIP SIDE FINISH MOULDING: COMPONENTS (2010 4Runner)		

COMPONENTS

ILLUSTRATION

cardiagn.com





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

H

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000038LF009X
Title: EXTERIOR PANELS / TRIM: ROOF DRIP SIDE FINISH MOULDING: REMOVAL (2010 4Runner)		

REMOVAL

HINT:

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

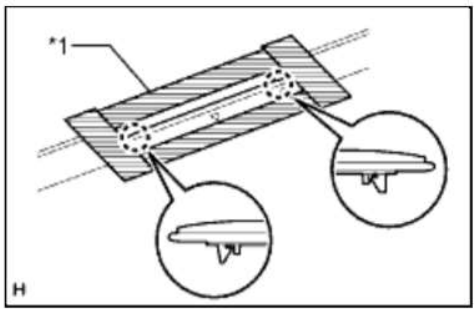
1. REMOVE ROOF RAIL ASSEMBLY LH (w/ Roof Rack)

(a) Remove the roof rail INFO .

2. REMOVE FRONT ROOF DRIP SIDE MOULDING COVER LH (w/o Roof Rack)

HINT:

Use the same procedure to remove the front roof drip side moulding cover on the other side.

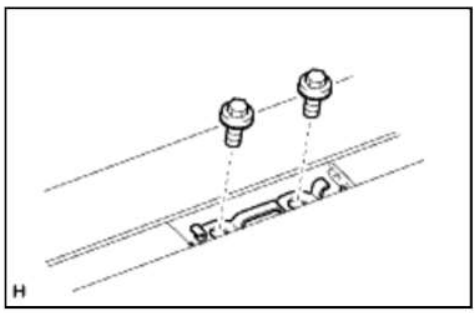


(a) Put protective tape around the front roof drip side moulding cover.

Text in Illustration

*1	Protective Tape

(b) Detach the 2 claws and remove the front roof drip side moulding cover.



3. REMOVE ROOF RACK BRACKET (w/o Roof Rack)

HINT:

Use the same procedure to remove the roof rack bracket on the other side.

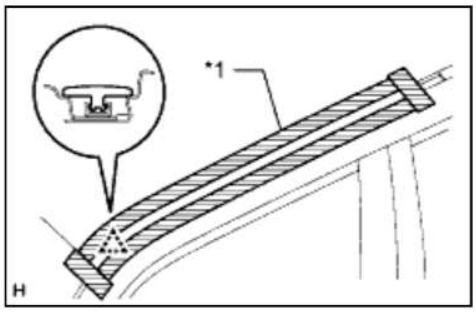
(a) Remove the 2 bolts and roof rack bracket.

4. REMOVE ROOF DRIP SIDE FINISH MOULDING LH

cardiagn.com

(a) Put protective tape around the roof drip side finish moulding.

Text in Illustration



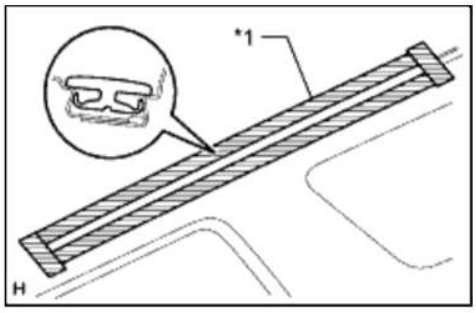
*1	Protective Tape

(b) Detach the clip and remove the roof drip side finish moulding.

NOTICE:

- When removing the rear roof drip side finish moulding, be careful not to damage the roof drip side finish moulding clip.
- If the roof drip side finish moulding clip is damaged or becomes detached from the vehicle, replace it with a new one.

5. REMOVE CENTER ROOF DRIP SIDE FINISH MOULDING LH



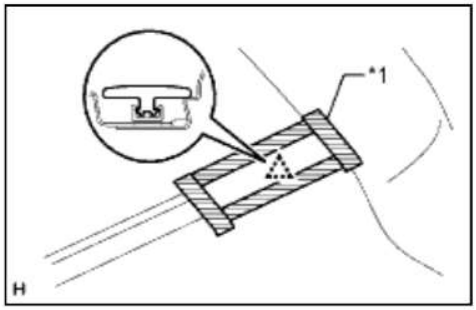
(a) Put protective tape around the center roof drip side finish moulding.

Text in Illustration

*1	Protective Tape

(b) Remove the center roof drip side finish moulding.

6. REMOVE ROOF DRIP SIDE FINISH MOULDING LH



(a) Put protective tape around the roof drip side finish moulding.

Text in Illustration

*1	Protective Tape

(b) Detach the clip and remove the roof drip side finish moulding.

NOTICE:

cardiagn.com

- When removing the roof drip side finish moulding, be careful not to damage the roof drip side finish moulding clip.
- If the roof drip side finish moulding clip is damaged or becomes detached from the vehicle, replace it with a new one.



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000038LD009X
Title: EXTERIOR PANELS / TRIM: ROOF DRIP SIDE FINISH MOULDING: INSTALLATION (2010 4Runner)		

INSTALLATION

HINT:

- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.
- When installing the clip, heat the vehicle body and clip using a heat light.

Standard:

ITEM	TEMPERATURE
Vehicle Body	40 to 60°C (104 to 140°F)
Clip	20 to 30°C (68 to 86°F)

NOTICE:

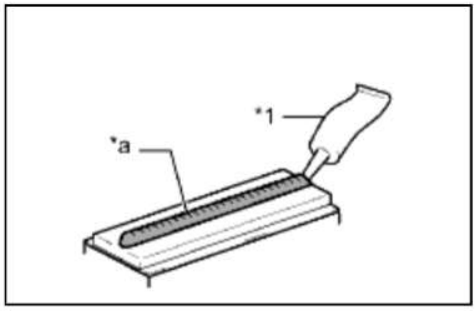
Do not heat the vehicle body or clip excessively.

1. INSTALL ROOF DRIP SIDE FINISH MOULDING CLIP

NOTICE:

- If reusing the clips, do not remove the double-sided tape remaining on the clips and where the clips will be installed on the body.
- If installing new clips, remove the double-sided tape remaining where the clips will be installed on the body and clean the body with a non-residue solvent.

(a) Apply a 2 to 3 mm (0.0787 to 0.118 in.) bead of adhesive (3M DP-105 or equivalent) to new roof drip side finish moulding clips.



Text in Illustration

*1	Adhesive
*a	2 to 3 mm (0.0787 to 0.118 in.) Bead of Adhesive

HINT:

Adhesive strength (tensile strength): 13.7 MPa (140.0 kgf/cm^2) or more (when the temperature is 23°C (73°F))

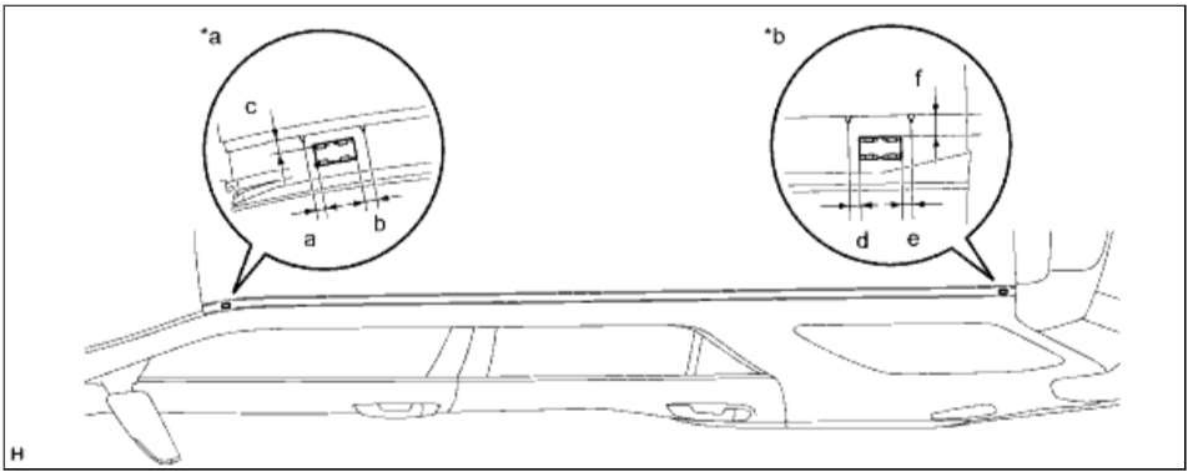
(b) Apply primer to the body where the roof drip side finish moulding clip will be installed.

NOTICE:

Do not let the primer dry.

cardiagn.com

(c) While using the position shown in the illustration as a reference, place the No. 1 roof drip side finish moulding clip onto the roof panel. Then position and install the clip after lightly pressing it so that the adhesive adheres to the primer.



Text in Illustration

*a	for Front Side	*b	for Rear Side

Reference Value:

AREA	SPECIFIED CONDITION	AREA	SPECIFIED CONDITION
a	5.1 to 5.6 mm (0.201 to 0.220 in.)	b	5.8 mm (0.228 in.)
c	6.05 to 6.1 mm (0.238 to 0.240 in.)	d	5 mm (0.197 in.)
e	5 to 5.5 mm (0.197 to 0.217 in.)	f	10.5 to 11 mm (0.413 to 0.433 in.)

(d) Install the rear roof drip side finish moulding when 40 minutes or more have elapsed after pressing and installing the roof drip side finish moulding clip.

HINT:

- Initial hardening time: 40 minutes
- Complete hardening time: 48 hours

2. INSTALL ROOF DRIP SIDE FINISH MOULDING LH

(a) Attach the clip to install the roof drip side finish moulding.

3. INSTALL CENTER ROOF DRIP SIDE FINISH MOULDING LH

(a) Install the center roof drip side finish moulding.

4. INSTALL ROOF DRIP SIDE FINISH MOULDING LH

(a) Attach the clip to install the roof drip side finish moulding.

cardiagn.com

5. INSTALL ROOF RACK BRACKET (w/o Roof Rack)

HINT:

Use the same procedure to install the roof rack bracket on the other side.

(a) Install the roof rack bracket with the 2 bolts.

Torque: 10 N·m (102 kgf·cm, 7ft·lbf)

6. INSTALL FRONT ROOF DRIP SIDE MOULDING COVER LH (w/o Roof Rack)

HINT:

Use the same procedure to install the roof drop side finish moulding cover on the other side.

(a) Attach the 2 clips to install the front roof drip side moulding cover.

7. INSTALL ROOF RAIL ASSEMBLY LH (w/ Roof Rack)

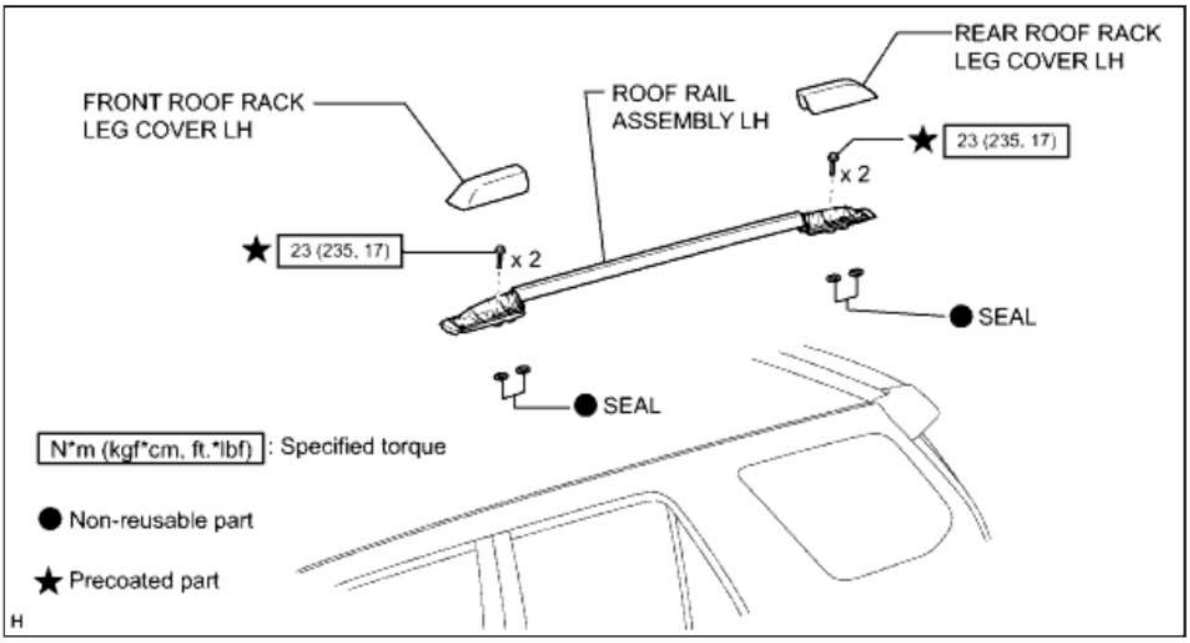
(a) Install the roof rail INFO .

cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000477K000X
Title: EXTERIOR PANELS / TRIM: ROOF RACK: COMPONENTS (2010 4Runner)		

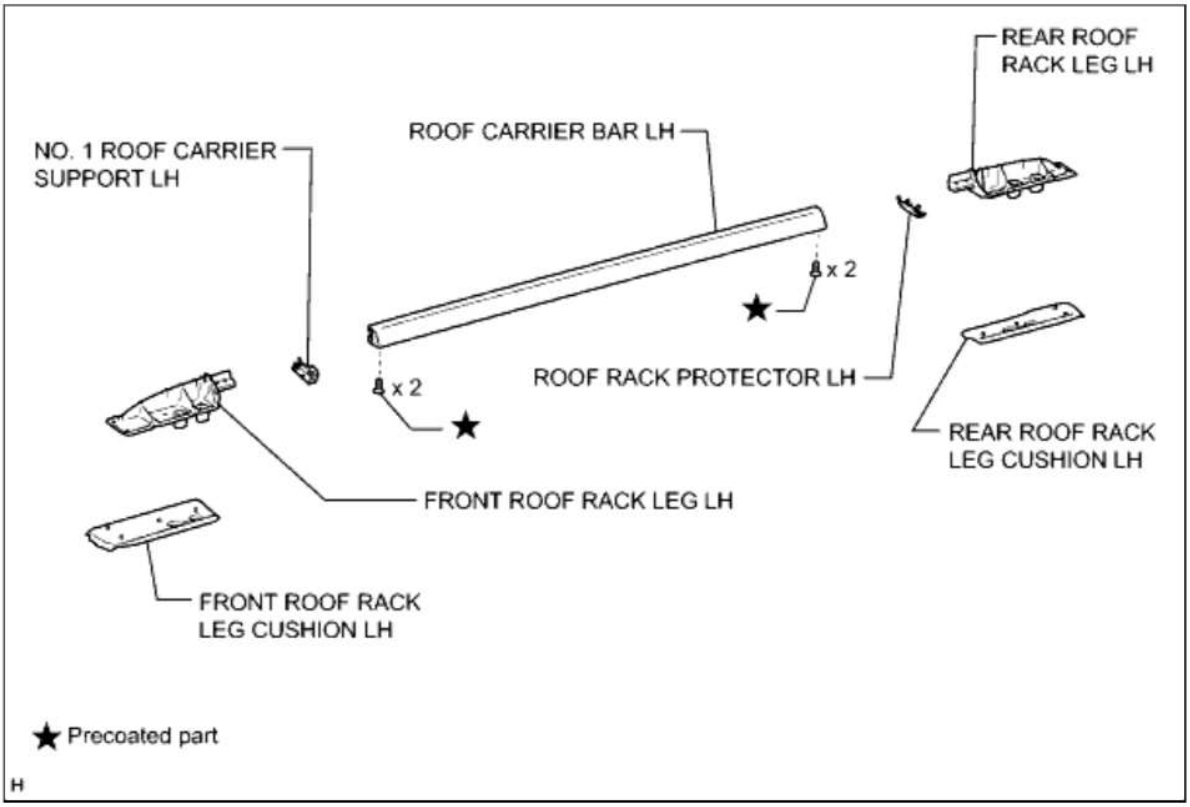
COMPONENTS

ILLUSTRATION



ILLUSTRATION

cardiagn.com



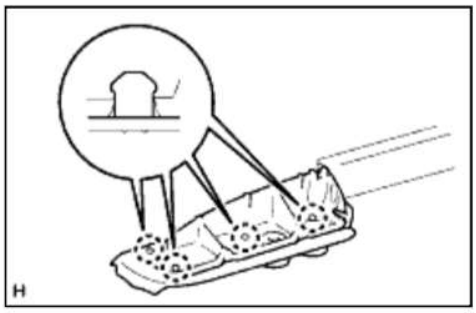
cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000477M000X
Title: EXTERIOR PANELS / TRIM: ROOF RACK: DISASSEMBLY (2010 4Runner)		

DISASSEMBLY

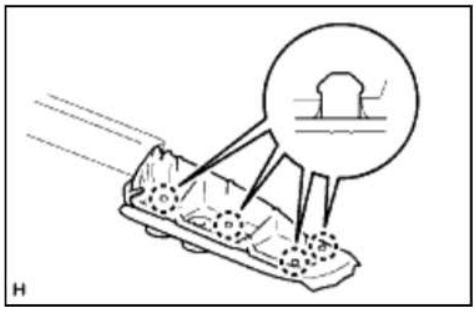
HINT:

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



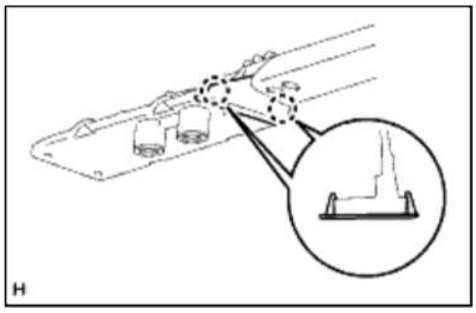
1. REMOVE FRONT ROOF RACK LEG CUSHION LH

(a) Detach the 4 claws and remove the front roof rack leg cushion.



2. REMOVE REAR ROOF RACK LEG CUSHION LH

(a) Detach the 4 claws and remove the rear roof rack leg cushion.



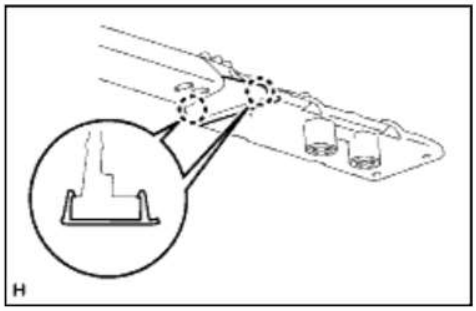
3. REMOVE NO. 1 ROOF CARRIER SUPPORT LH

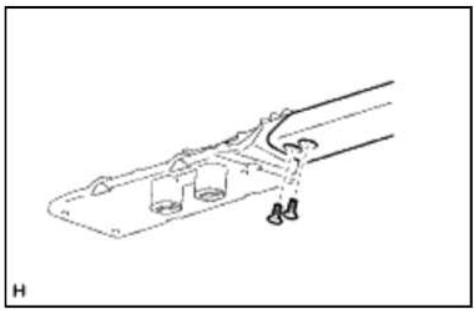
(a) Detach the 2 claws and remove the No. 1 roof carrier support.

4. REMOVE ROOF RACK PROTECTOR LH

(a) Detach the 2 claws and remove the roof rack protector.

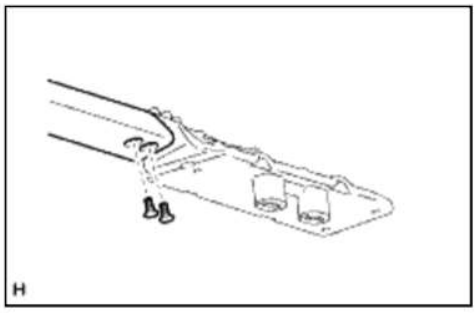
cardiagn.com





5. REMOVE FRONT ROOF RACK LEG LH

(a) Using a T30 "TORX" socket wrench, remove the 2 screws and front roof rack leg.



6. REMOVE REAR ROOF RACK LEG LH

(a) Using a T30 "TORX" socket wrench, remove the 2 screws and rear roof rack leg.

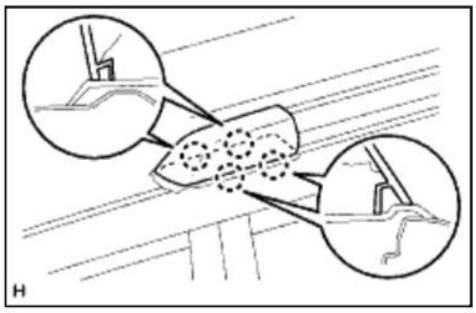
cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000477L000X
Title: EXTERIOR PANELS / TRIM: ROOF RACK: REMOVAL (2010 4Runner)		

REMOVAL

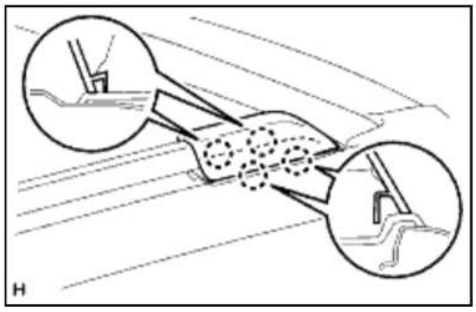
HINT:

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



1. REMOVE FRONT ROOF RACK LEG COVER LH

(a) Detach the 4 claws and remove the front roof rack leg cover.



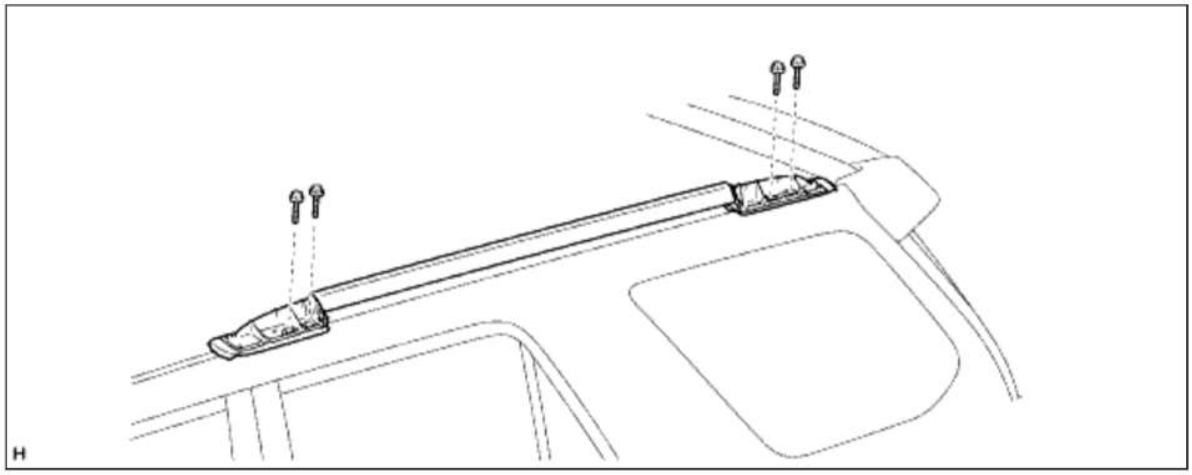
2. REMOVE REAR ROOF RACK LEG COVER LH

(a) Detach the 4 claws and remove the rear roof rack leg cover.

3. REMOVE ROOF RAIL ASSEMBLY LH

(a) Remove the 4 bolts and roof rail.

cardiagn.com



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000477N000X
Title: EXTERIOR PANELS / TRIM: ROOF RACK: REASSEMBLY (2010 4Runner)		

REASSEMBLY

HINT:

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

1. INSTALL FRONT ROOF RACK LEG LH

(a) Clean the threads of the bolt with non-residue solvent (when reusing the bolt).

(b) Apply adhesive to the threads of the bolt (when reusing the bolt).

Adhesive:
Toyota Genuine Adhesive 1324, Three Bond 1324 or equivalent.

(c) Using a T30 "TORX" socket wrench, install the front roof rack leg with the 2 bolts.

2. INSTALL REAR ROOF RACK LEG LH

(a) Clean the threads of the bolt with non-residue solvent (when reusing the bolt).

(b) Apply adhesive to the threads of the bolt (when reusing the bolt).

Adhesive:
Toyota Genuine Adhesive 1324, Three Bond 1324 or equivalent.

(c) Using a T30 "TORX" socket wrench, install the rear roof rack leg with the 2 bolts.

3. INSTALL NO. 1 ROOF CARRIER SUPPORT LH

(a) Attach the 2 claws to install the No. 1 roof carrier support.

4. INSTALL ROOF RACK PROTECTOR LH

(a) Attach the 2 claws to install the roof rack protector.

5. INSTALL FRONT ROOF RACK LEG CUSHION LH

(a) Attach the 4 claws to install the front roof rack leg cushion.

6. INSTALL REAR ROOF RACK LEG CUSHION LH

(a) Attach the 4 claws to install the rear roof rack leg cushion.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000000477J000X
Title: EXTERIOR PANELS / TRIM: ROOF RACK: 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 ROOF RAIL ASSEMBLY LH

(a) Clean the threads of the bolt with non-residue solvent (when reusing the bolt).

(b) Apply adhesive to the threads of the bolt (when reusing the bolt).

Adhesive:
Toyota Genuine Adhesive 1324, Three Bond 1324 or equivalent.

(c) Install the roof rail with the 4 bolts.

Torque: 23 N·m (235 kgf·cm, 17ft·lbf)

2. INSTALL FRONT ROOF RACK LEG COVER LH

(a) Attach the 4 claws to install the front roof rack leg cover.

3. INSTALL REAR ROOF RACK LEG COVER LH

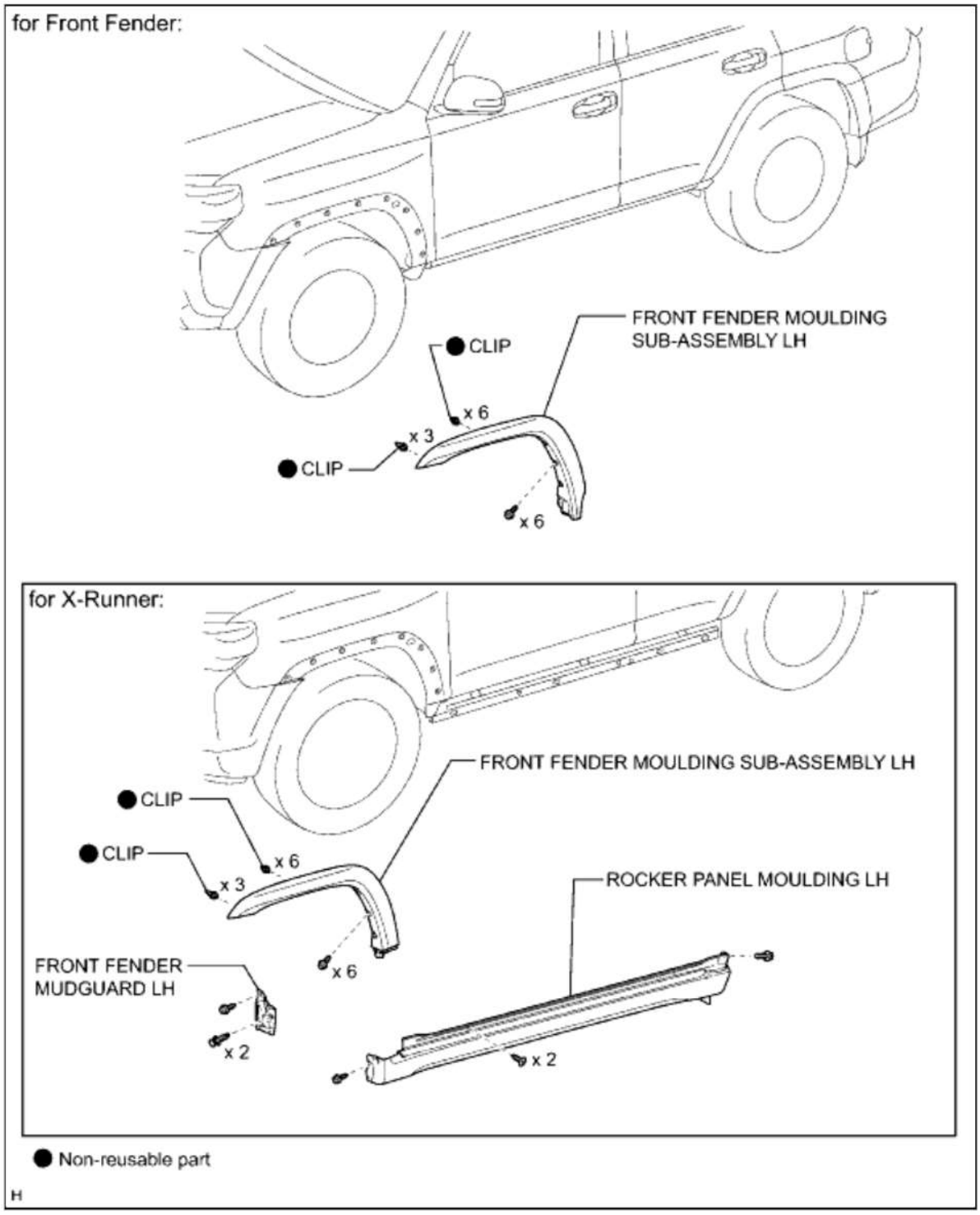
(a) Attach the 4 claws to install the rear roof rack leg cover.

cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000047FK000X
Title: EXTERIOR PANELS / TRIM: SIDE MOULDING: COMPONENTS (2010 4Runner)		

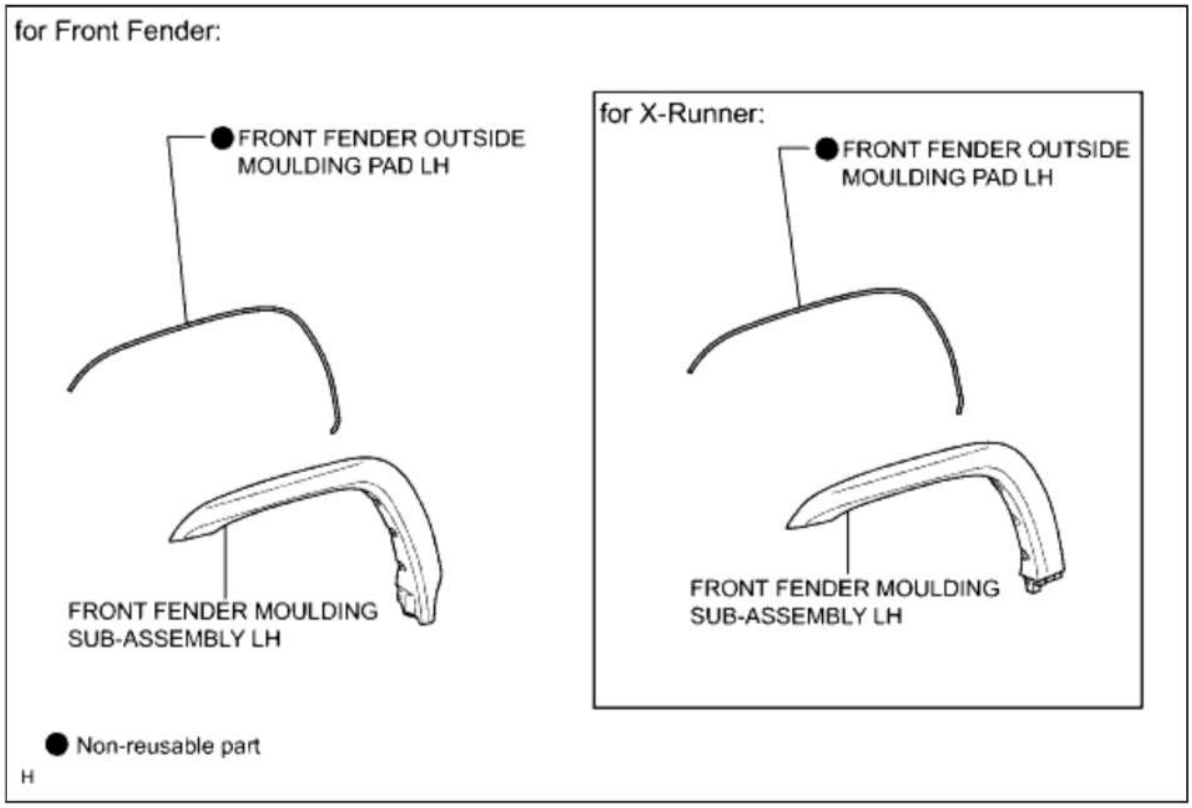
COMPONENTS

ILLUSTRATION



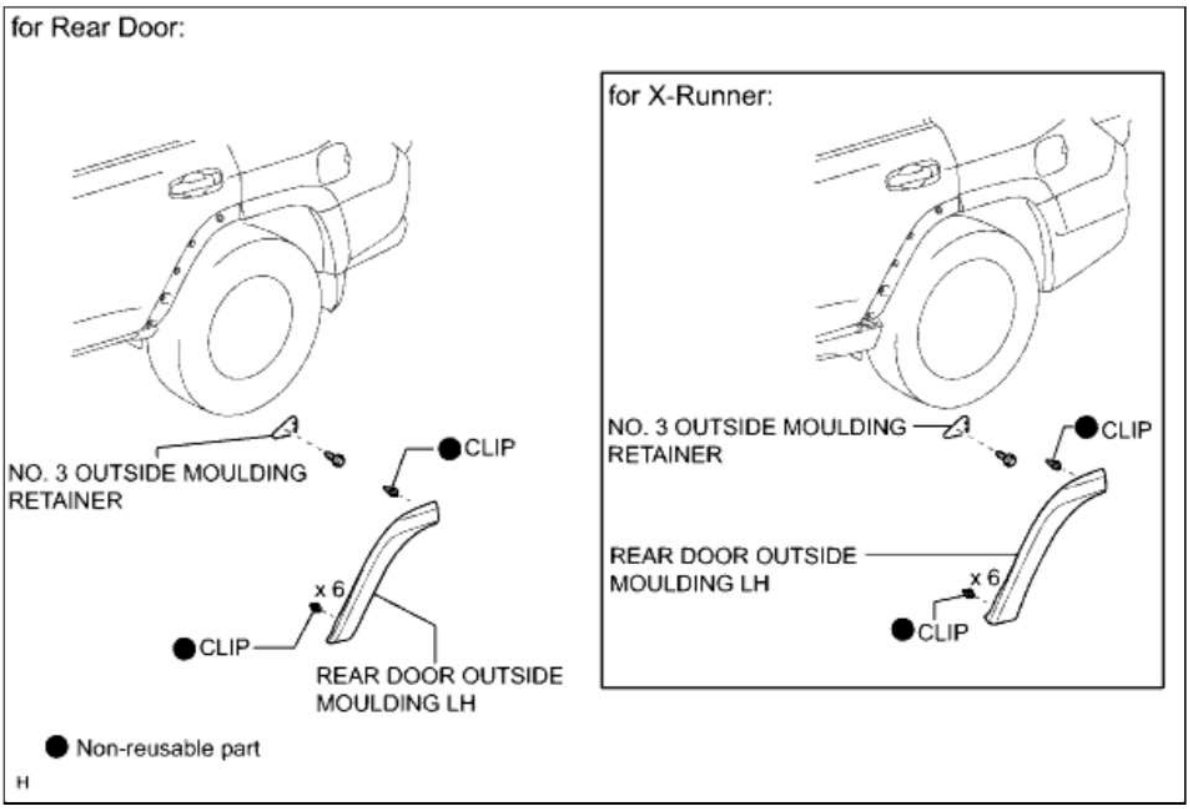
cardiagn.com

ILLUSTRATION

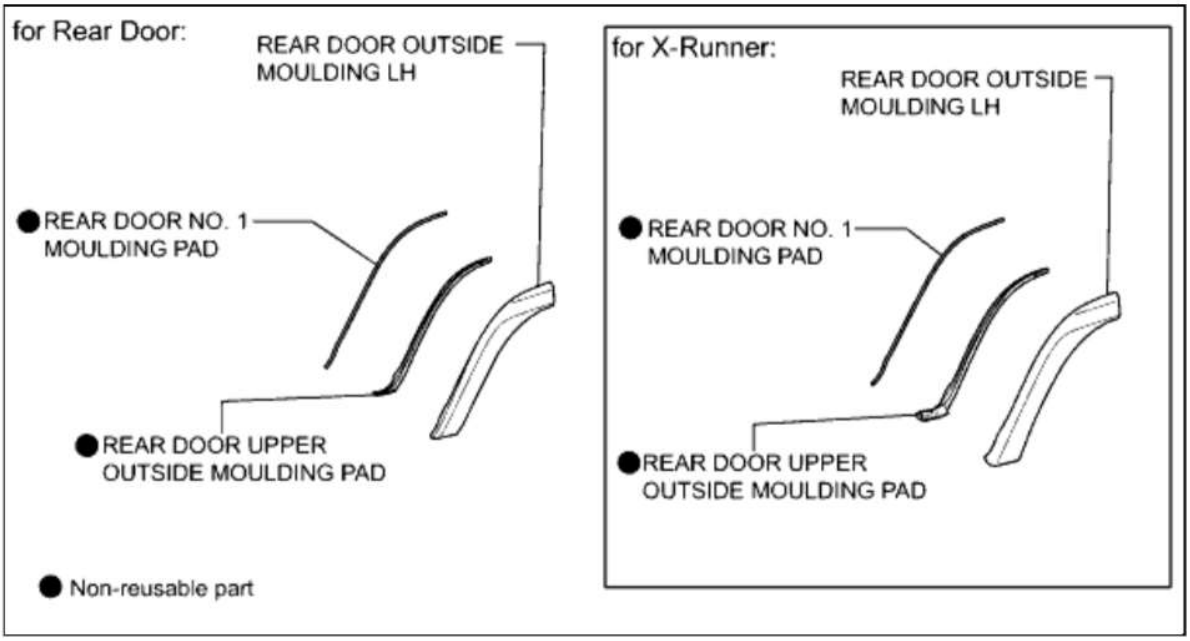


ILLUSTRATION

cardiagn.com

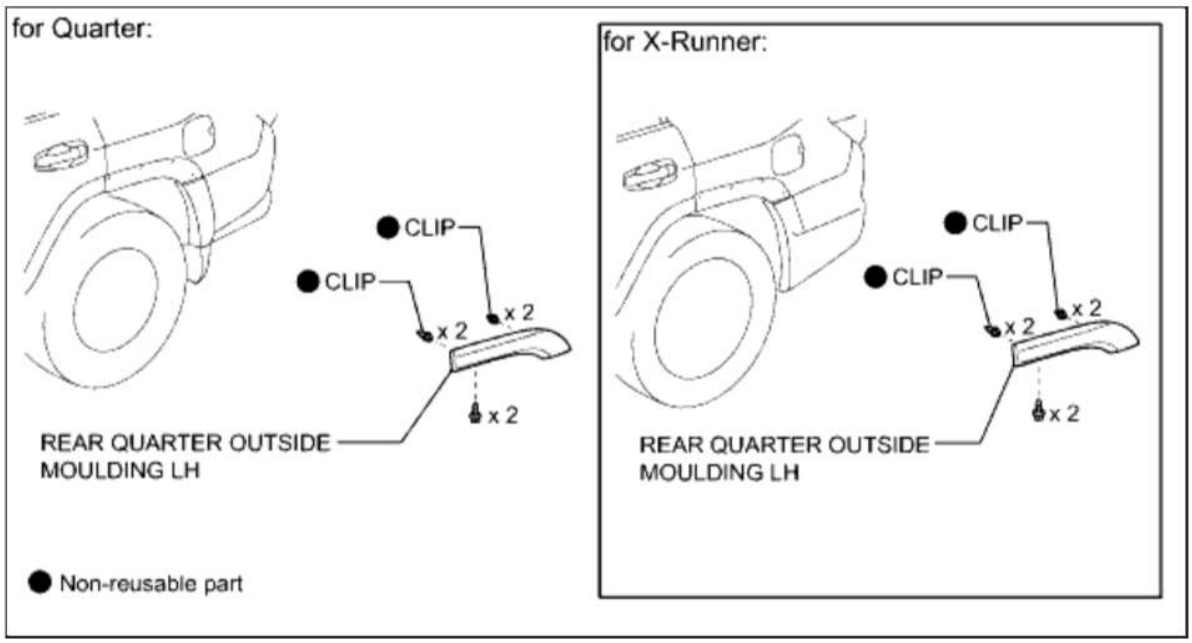


ILLUSTRATION

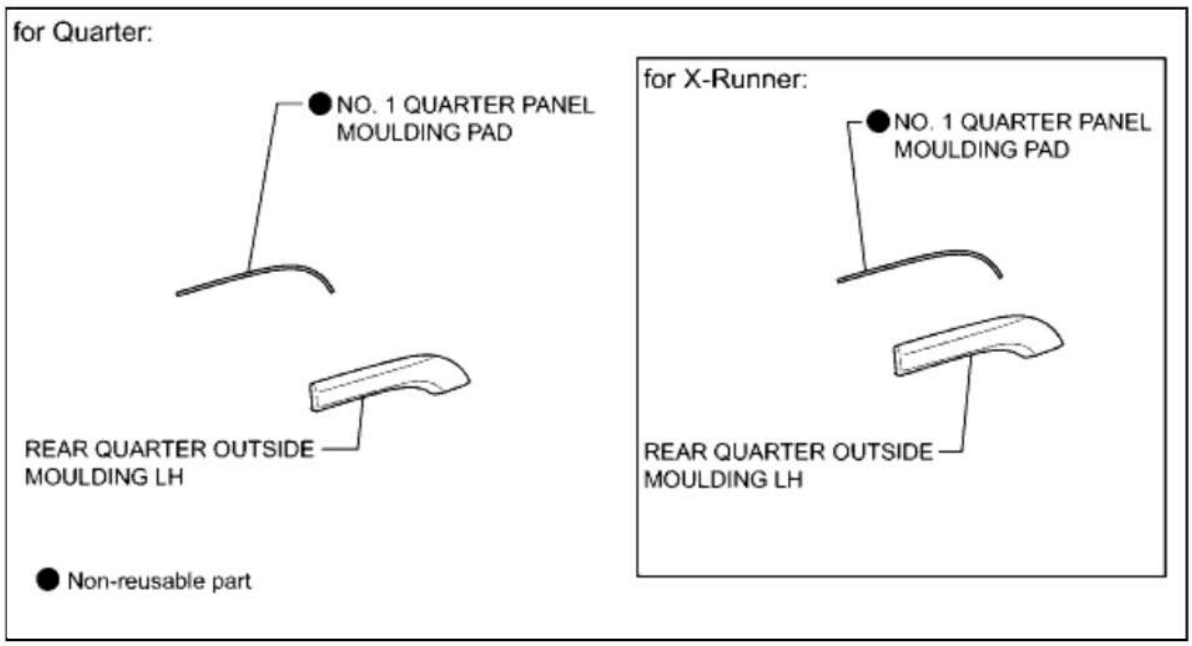


ILLUSTRATION

cardiagn.com



ILLUSTRATION



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000047FL000X
Title: EXTERIOR PANELS / TRIM: SIDE MOULDING: REMOVAL (2010 4Runner)		

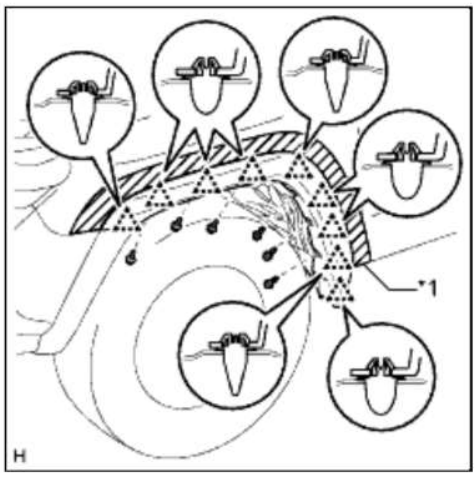
REMOVAL

HINT:

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

1. REMOVE FRONT FENDER MUDGUARD LH (for X-Runner) INFO

2. REMOVE ROCKER PANEL MOULDING LH (for X-Runner) INFO



3. REMOVE FRONT FENDER MOULDING SUB-ASSEMBLY LH

(a) Put protective tape around the front fender moulding.

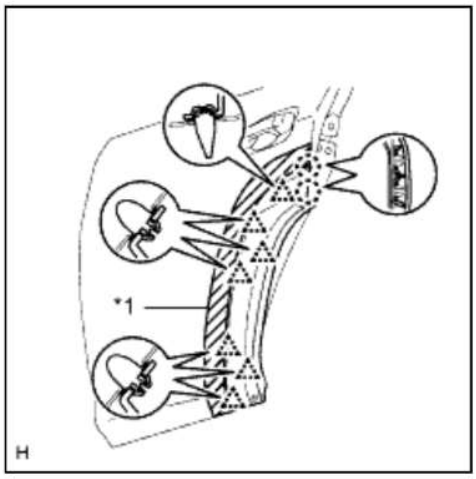
Text in Illustration

*1	Protective Tape

(b) Remove the 6 screws.

(c) Detach the 9 clips and remove the front fender moulding.

(d) Remove the 9 clips.



4. REMOVE REAR DOOR OUTSIDE MOULDING LH

(a) Put protective tape around the rear quarter panel moulding.

Text in Illustration

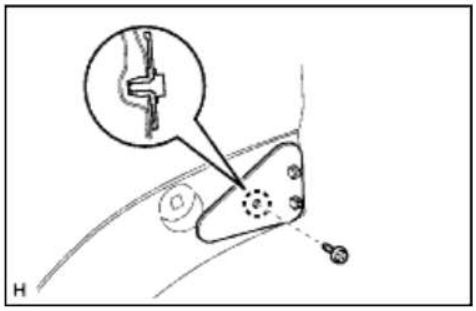
*1	Protective Tape

(b) Detach the 7 clips and 2 claws and remove the rear door outside moulding.

(c) Remove the 7 clips.

5. REMOVE NO. 3 OUTSIDE MOULDING RETAINER

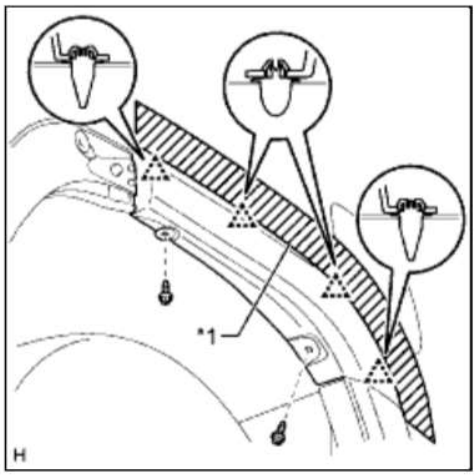
cardiagn.com



(a) Remove the screw.

(b) Detach the claw and remove the No. 3 outside moulding retainer.

6. REMOVE REAR QUARTER OUTSIDE MOULDING LH



(a) Put protective tape around the rear quarter outside moulding.

Text in Illustration

*1	Protective Tape

(b) Remove the 2 screws.

(c) Detach the 4 clips and remove the rear quarter outside moulding.

(d) Remove the 4 clips.

TOYOTA

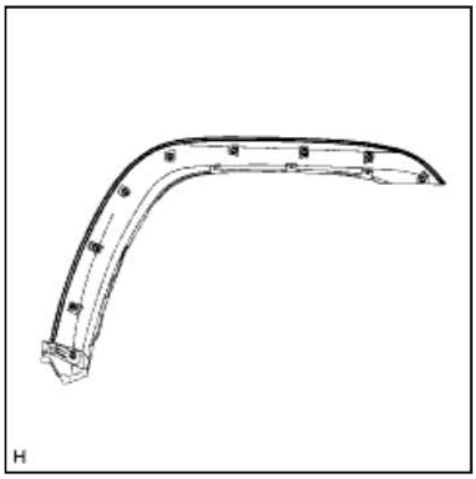
cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000047FM000X
Title: EXTERIOR PANELS / TRIM: SIDE MOULDING: DISASSEMBLY (2010 4Runner)		

DISASSEMBLY

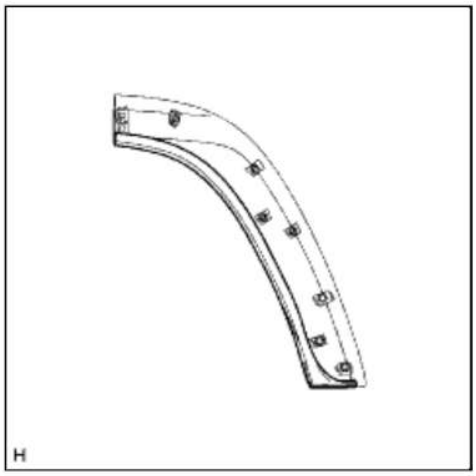
HINT:

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



1. REMOVE FRONT FENDER OUTSIDE MOULDING PAD LH

(a) Remove the front fender outside moulding pad.



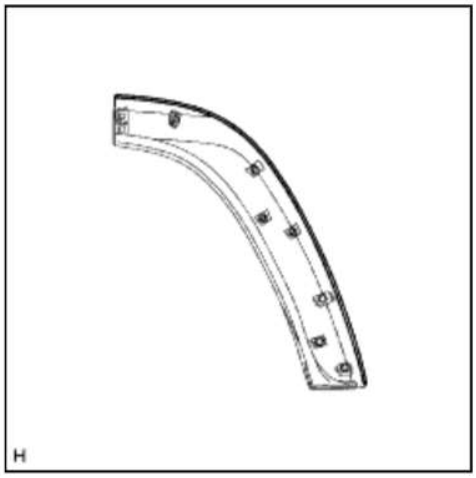
2. REMOVE REAR DOOR UPPER OUTSIDE MOULDING PAD

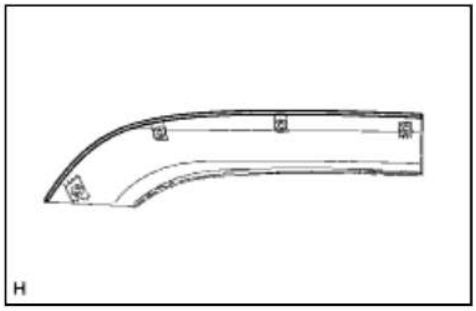
(a) Remove the rear door upper outside moulding pad.

3. REMOVE REAR DOOR NO. 1 MOULDING PAD

(a) Remove the rear door No. 1 moulding pad.

cardiagn.com





4. REMOVE NO. 1 QUARTER PANEL MOULDING PAD

(a) Remove the No. 1 quarter panel moulding pad.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000047FN000X
Title: EXTERIOR PANELS / TRIM: SIDE MOULDING: REASSEMBLY (2010 4Runner)		

REASSEMBLY

HINT:

- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.
- When installing the pad, heat the moulding surface using a heat light.

Standard:

ITEM	TEMPERATURE
Moulding	20 to 30°C (68 to 86°F)

NOTICE:

Do not heat the moulding excessively.

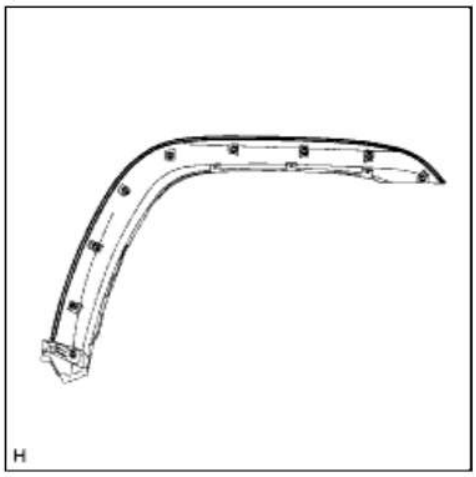
1. INSTALL FRONT FENDER OUTSIDE MOULDING PAD LH

(a) Clean the front fender outside moulding surface.

(1) Using a heat light, heat the front fender outside moulding surface.

(2) Remove the double-sided tape from the front fender outside moulding surface.

(3) Wipe off any tape adhesive residue with cleaner.



(b) Install a new front fender outside moulding pad.

(1) Remove the peeling paper from the face of a new front fender outside moulding pad.

HINT:

After removing the peeling paper, keep the exposed adhesive free from foreign matter.

(2) Install the front fender outside moulding pad.

2. INSTALL REAR DOOR NO. 1 MOULDING PAD

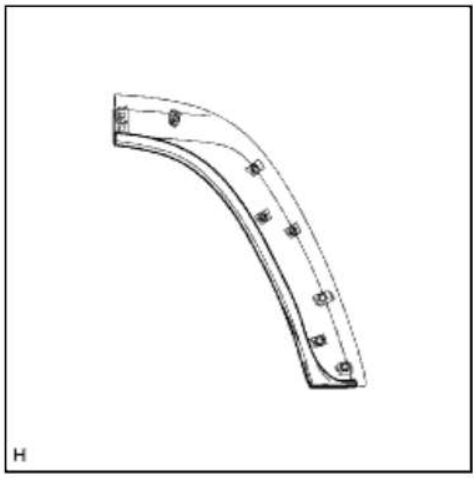
(a) Clean the rear door outside moulding surface.

(1) Using a heat light, heat the rear door outside moulding surface.

(2) Remove the double-sided tape from the rear door outside moulding surface.

(3) Wipe off any tape adhesive residue with cleaner.

cardiagn.com



(b) Install a new rear door No. 1 outside moulding pad.

(1) Remove the peeling paper from the face of a new rear door No. 1 outside moulding pad.

HINT:

After removing the peeling paper, keep the exposed adhesive free from foreign matter.

(2) Install the rear door No. 1 outside moulding pad.

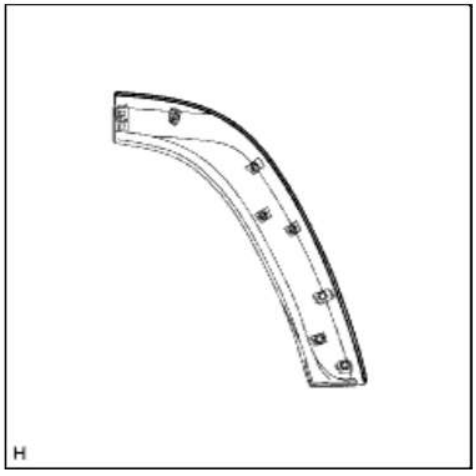
3. INSTALL REAR DOOR UPPER OUTSIDE MOULDING PAD

(a) Clean the rear door outside moulding surface.

(1) Using a heat light, heat the rear door outside moulding surface.

(2) Remove the double-sided tape from the rear door outside moulding surface.

(3) Wipe off any tape adhesive residue with cleaner.



(b) Install a new rear door upper outside moulding pad.

(1) Remove the peeling paper from the face of a new rear door upper outside moulding pad.

HINT:

After removing the peeling paper, keep the exposed adhesive free from foreign matter.

(2) Install the rear door upper outside moulding pad.

4. INSTALL NO. 1 QUARTER PANEL MOULDING PAD

(a) Clean the rear quarter outside moulding surface.

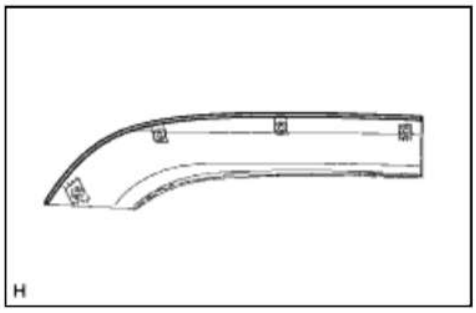
(1) Using a heat light, heat the rear quarter outside moulding surface.

(2) Remove the double-sided tape from the rear quarter outside moulding surface.

(3) Wipe off any tape adhesive residue with cleaner.

(b) Install a new No. 1 quarter panel moulding pad.

cardiagn.com



(1) Remove the peeling paper from the face of a new No. 1 quarter panel moulding pad.

HINT:

After removing the peeling paper, keep the exposed adhesive free from foreign matter.

(2) Install the No. 1 quarter panel moulding pad as shown in the illustration.

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM0000047FJ000X
Title: EXTERIOR PANELS / TRIM: SIDE MOULDING: 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 FENDER MOULDING SUB-ASSEMBLY LH

(a) Install 9 new clips to the front fender moulding.

(b) Attach the 9 clips to install the front fender moulding.

(c) Install the 6 screws.

2. INSTALL ROCKER PANEL MOULDING LH (for X-Runner) INFO

3. INSTALL FRONT FENDER MUDGUARD LH (for X-Runner) INFO

4. INSTALL NO. 3 OUTSIDE MOULDING RETAINER

(a) Attach the claw to install the No. 3 outside moulding retainer.

(b) Install the screws.

5. INSTALL REAR DOOR OUTSIDE MOULDING LH

(a) Install 7 new clips to the rear door outside moulding.

(b) Attach the 7 clips and 2 claws to install the rear door outside moulding.

6. INSTALL REAR QUARTER OUTSIDE MOULDING LH

(a) Install 4 new clips to the rear quarter outside moulding.

(b) Attach the 4 clips to install the rear quarter outside moulding.

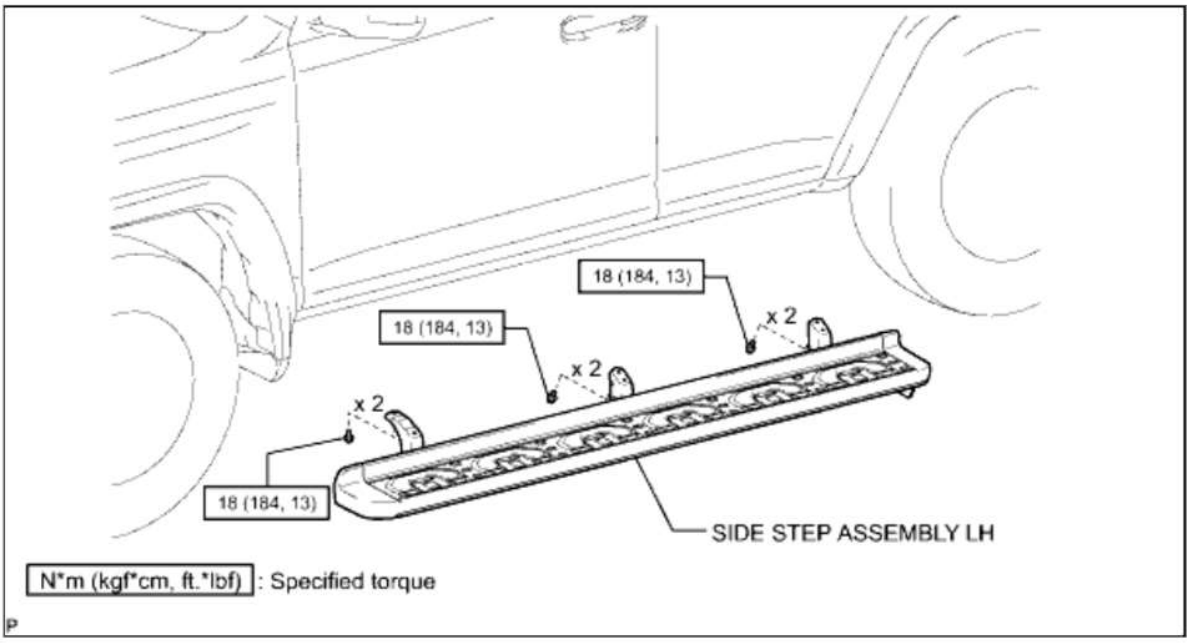
(c) Install the 2 screws.

cardiagn.com

Last Modified: 5-10-2010	6.4 K	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000477A000X
Title: EXTERIOR PANELS / TRIM: SIDE STEP: COMPONENTS (2010 4Runner)		

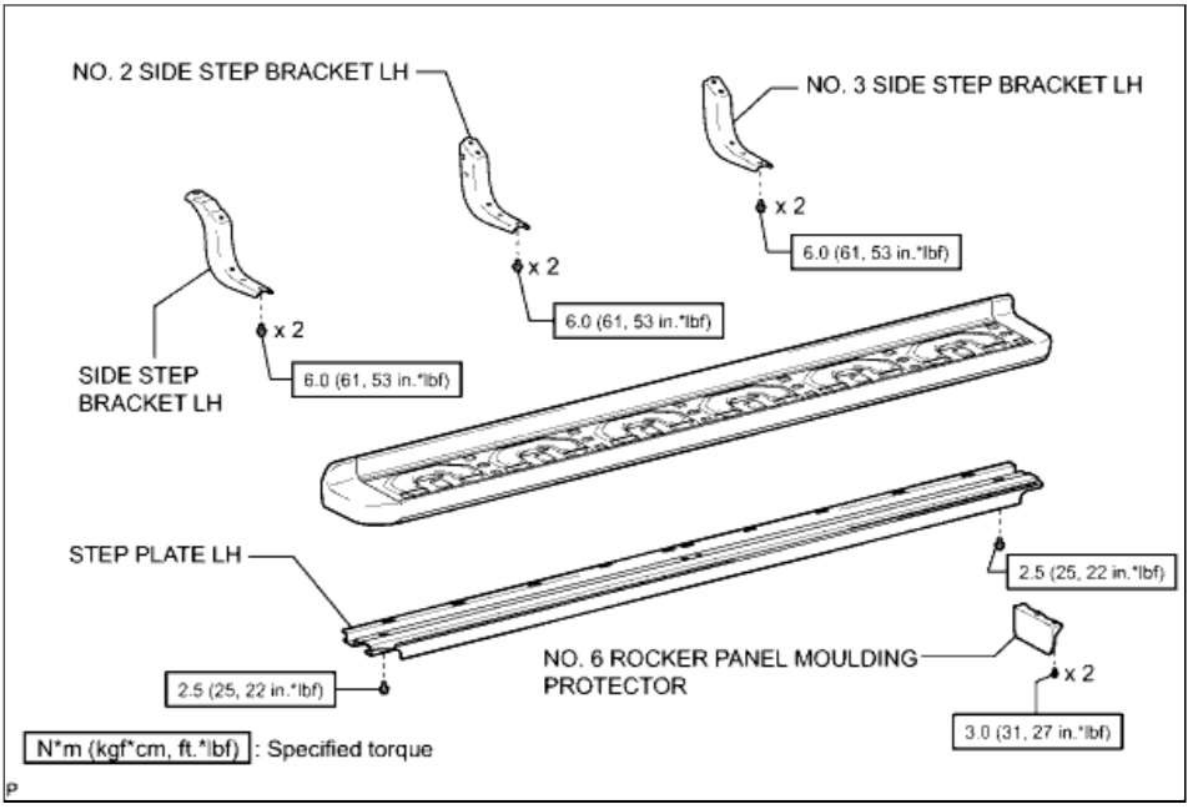
COMPONENTS

ILLUSTRATION



ILLUSTRATION

cardiagn.com



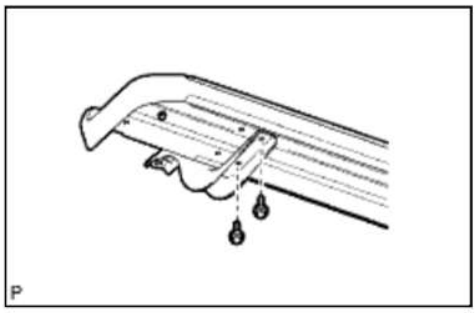
cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000477C000X
Title: EXTERIOR PANELS / TRIM: SIDE STEP: DISASSEMBLY (2010 4Runner)		

DISASSEMBLY

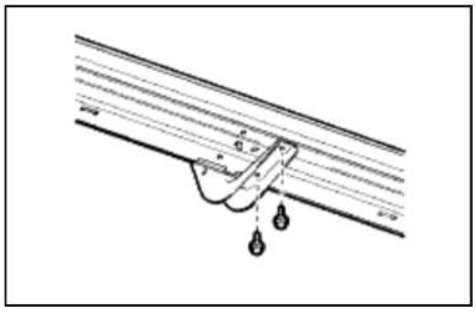
HINT:

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



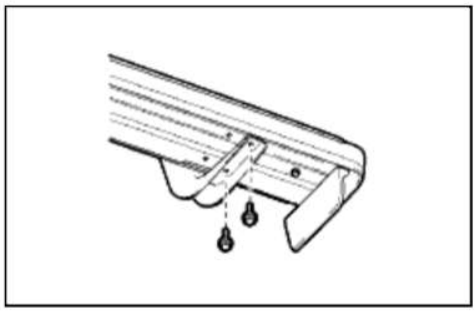
1. REMOVE SIDE STEP BRACKET LH

(a) Remove the 2 bolts and side step bracket.



2. REMOVE NO. 2 SIDE STEP BRACKET LH

(a) Remove the 2 bolts and No. 2 side step bracket.

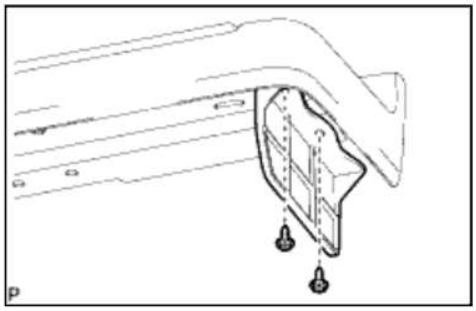


3. REMOVE NO. 3 SIDE STEP BRACKET LH

(a) Remove the 2 bolts and No. 3 side step bracket.

4. REMOVE NO. 6 ROCKER PANEL MOULDING PROTECTOR

cardiagn.com

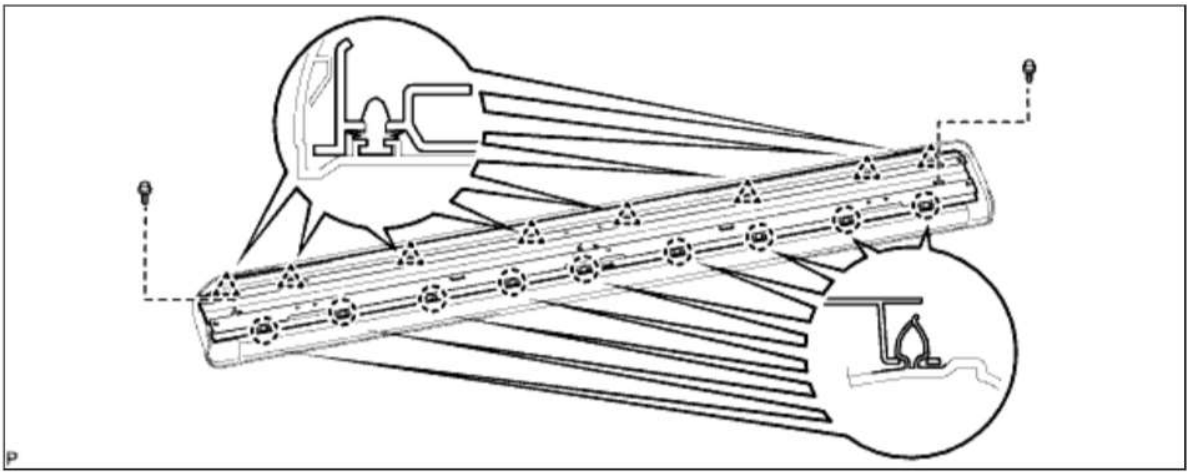


(a) Remove the 2 screws and No. 6 rocker panel moulding protector.

5. REMOVE STEP PLATE LH

(a) Remove the 2 bolts.

(b) Detach the 9 claws and 8 clips and remove the step plate.



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000477B000X
Title: EXTERIOR PANELS / TRIM: SIDE STEP: REMOVAL (2010 4Runner)		

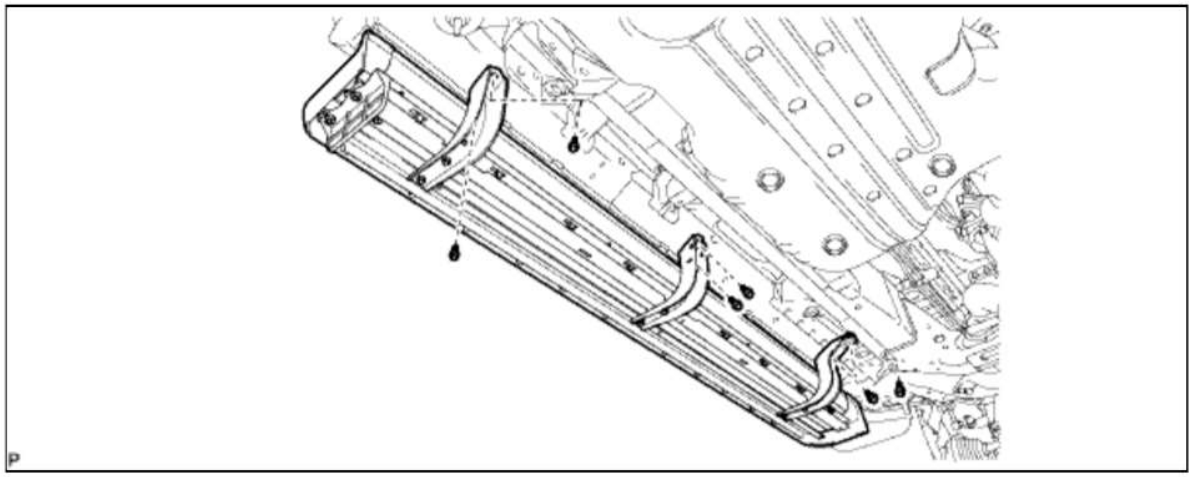
REMOVAL

HINT:

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

1. REMOVE SIDE STEP ASSEMBLY LH

(a) Remove the 6 bolts and side step.



cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM00000477D000X
Title: EXTERIOR PANELS / TRIM: SIDE STEP: REASSEMBLY (2010 4Runner)		

REASSEMBLY

HINT:

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

1. INSTALL STEP PLATE LH

(a) Attach the 9 claws and 8 clips to install the step plate.

(b) Install the 2 bolts.

Torque: 2.5 N·m (25 kgf·cm, 22in·lbf)

2. INSTALL NO. 6 ROCKER PANEL MOULDING PROTECTOR

(a) Install the No. 6 rocker panel moulding protector with the 2 screws.

Torque: 3.0 N·m (31 kgf·cm, 27in·lbf)

3. INSTALL SIDE STEP BRACKET LH

(a) Install the side step bracket with the 2 bolts.

Torque: 6.0 N·m (61 kgf·cm, 53in·lbf)

4. INSTALL NO. 2 SIDE STEP BRACKET LH

(a) Install the No. 2 side step bracket with the 2 bolts.

Torque: 6.0 N·m (61 kgf·cm, 53in·lbf)

5. INSTALL NO. 3 SIDE STEP BRACKET LH

(a) Install the No. 3 side step bracket with the 2 bolts.

Torque: 6.0 N·m (61 kgf·cm, 53in·lbf)

cardiagn.com

Last Modified: 5-10-2010	6.4 A	**From:** 200908
Model Year: 2010	**Model:** 4Runner	**Doc ID:** RM000004779000X
Title: EXTERIOR PANELS / TRIM: SIDE STEP: 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 SIDE STEP ASSEMBLY LH

(a) Install the side step with the 6 bolts.

Torque: 18 N·m (184 kgf·cm, 13ft·lbf)

cardiagn.com