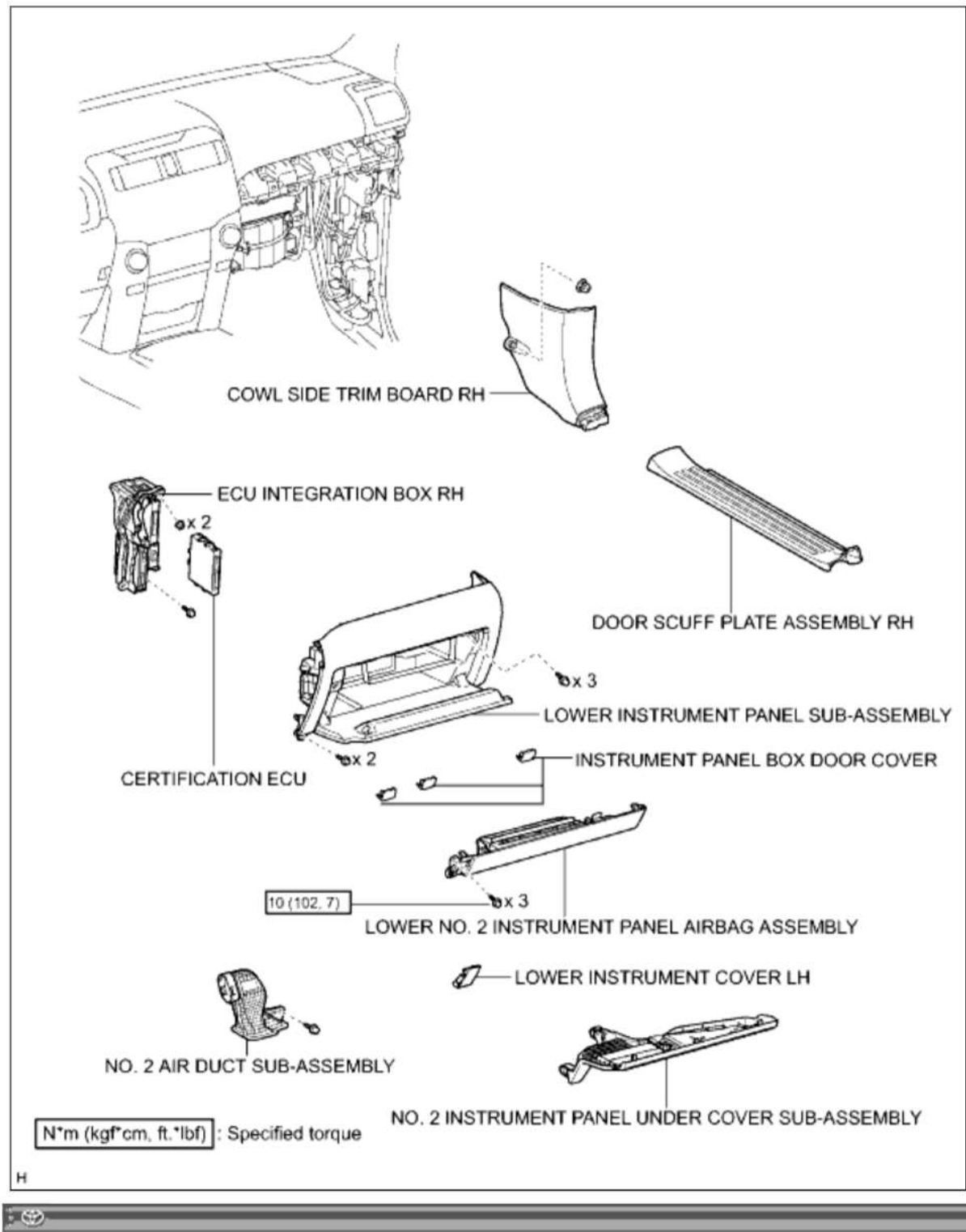


Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003BII007X
Title: THEFT DETERRENT / KEYLESS ENTRY: CERTIFICATION ECU: COMPONENTS (2010 4Runner)		

COMPONENTS

ILLUSTRATION



Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003BIJ007X
Title: THEFT DETERRENT / KEYLESS ENTRY: CERTIFICATION ECU: 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 DOOR SCUFF PLATE ASSEMBLY RH

INFO

3. REMOVE COWL SIDE TRIM BOARD RH

INFO

4. REMOVE NO. 2 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY

INFO

5. REMOVE LOWER INSTRUMENT COVER LH

INFO

6. REMOVE LOWER NO. 2 INSTRUMENT PANEL AIRBAG ASSEMBLY

INFO

7. REMOVE INSTRUMENT PANEL BOX DOOR COVER

INFO

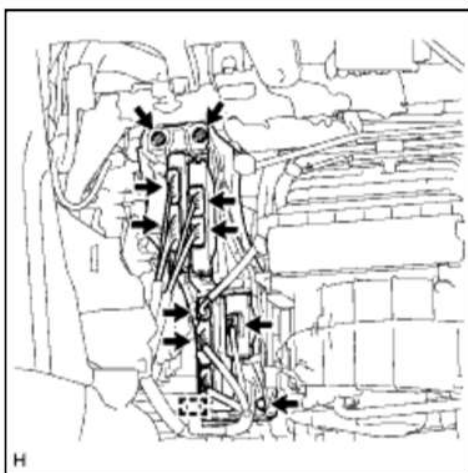
8. REMOVE LOWER INSTRUMENT PANEL SUB-ASSEMBLY

INFO

9. REMOVE NO. 2 AIR DUCT SUB-ASSEMBLY

INFO

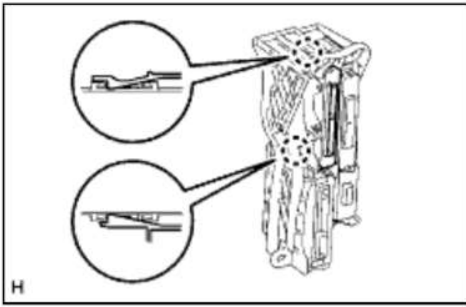
10. REMOVE ECU INTEGRATION BOX RH



(a) Disconnect the connectors and detach the clamp.

(b) Remove the 2 nuts, bolt and the certification ECU with seat belt control ECU.

11. REMOVE CERTIFICATION ECU



(a) Detach the 2 claws and remove the certification ECU.



Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003BIH007X
Title: THEFT DETERRENT / KEYLESS ENTRY: CERTIFICATION ECU: INSTALLATION (2010 4Runner)		

INSTALLATION

1. INSTALL CERTIFICATION ECU

- (a) Attach the 2 claws to install the certification ECU.

2. INSTALL ECU INTEGRATION BOX RH

- (a) Install the certification ECU with bracket with the 2 nuts and bolt.
(b) Attach the clamp and connect the connectors.

3. INSTALL NO. 2 AIR DUCT SUB-ASSEMBLY

4. INSTALL LOWER INSTRUMENT PANEL SUB-ASSEMBLY

5. INSTALL INSTRUMENT PANEL BOX DOOR COVER

6. INSTALL LOWER NO. 2 INSTRUMENT PANEL AIRBAG ASSEMBLY

7. INSTALL LOWER INSTRUMENT COVER LH

8. INSTALL NO. 2 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY

9. INSTALL COWL SIDE TRIM BOARD RH

10. INSTALL DOOR SCUFF PLATE ASSEMBLY RH

11. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

NOTICE:

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

12. REGISTER ECU CODE

- (a) Register the ECU code .

13. CHECK SRS WARNING LIGHT

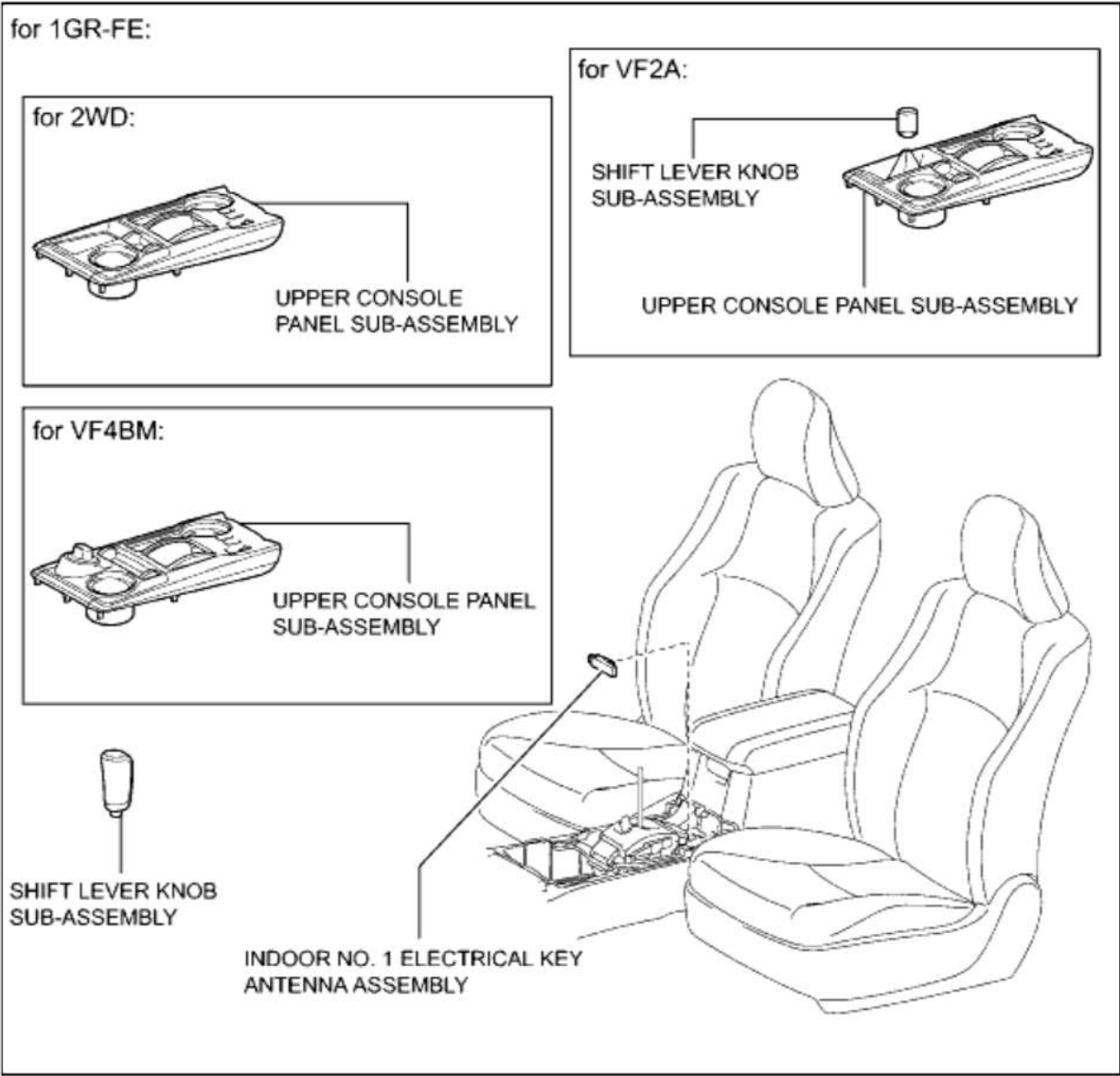
- (a) Check the SRS warning light .



Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002QFN00SX
Title: THEFT DETERRENT / KEYLESS ENTRY: ELECTRICAL KEY OSCILLATOR (for Front Floor): COMPONENTS (2010 4Runner)		

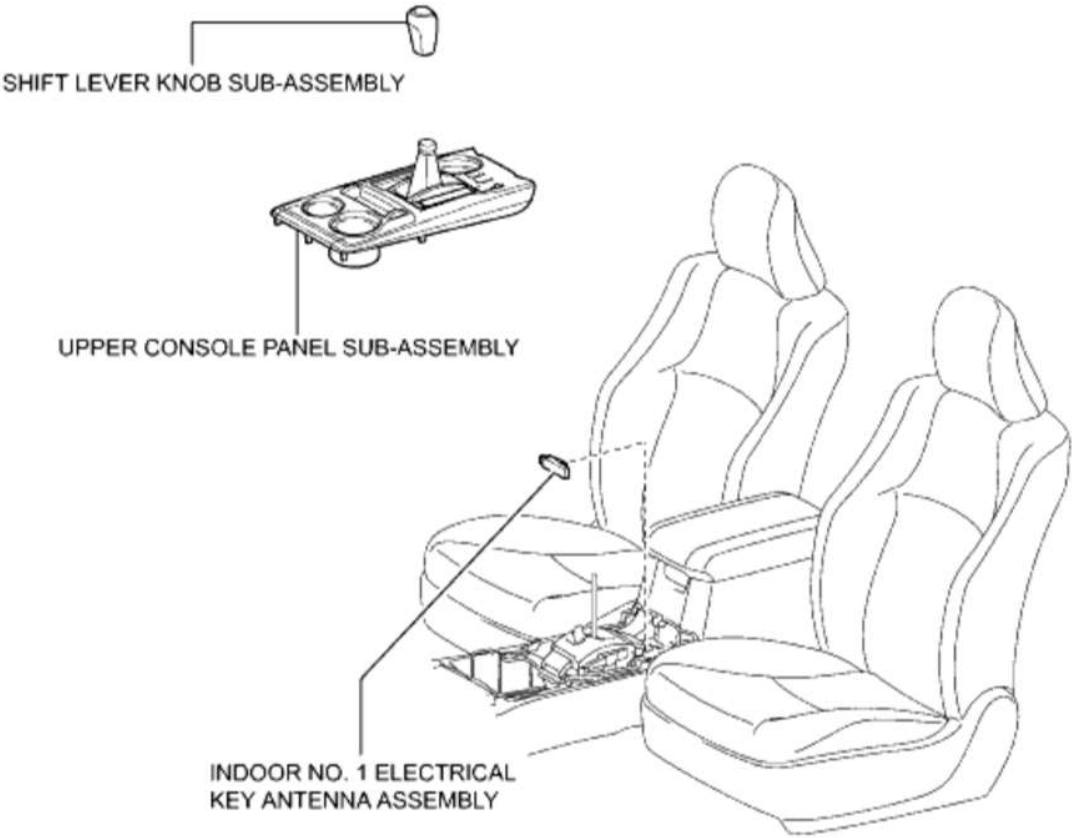
COMPONENTS

ILLUSTRATION



ILLUSTRATION

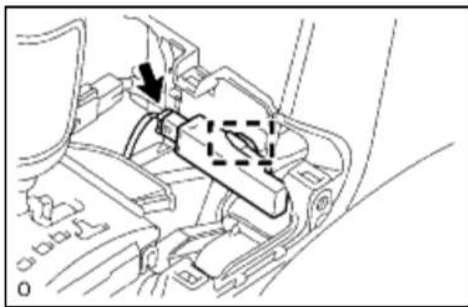
for 2TR-FE:



Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002QFO00VX
Title: THEFT DETERRENT / KEYLESS ENTRY: ELECTRICAL KEY OSCILLATOR (for Front Floor): REMOVAL (2010 4Runner)		

REMOVAL

1. REMOVE SHIFT LEVER KNOB SUB-ASSEMBLY (for 1GR-FE) [INFO](#)
2. REMOVE SHIFT LEVER KNOB SUB-ASSEMBLY (for 1GR-FE, for VF2A) [INFO](#)
3. REMOVE SHIFT LEVER KNOB SUB-ASSEMBLY (for 2TR-FE) [INFO](#)
4. REMOVE UPPER CONSOLE PANEL SUB-ASSEMBLY (for 1GR-FE) [INFO](#)
5. REMOVE UPPER CONSOLE PANEL SUB-ASSEMBLY (for 2TR-FE) [INFO](#)
6. REMOVE INDOOR NO. 1 ELECTRICAL KEY ANTENNA ASSEMBLY



(a) Disconnect the connector.

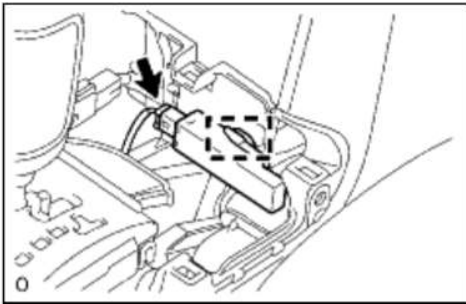
(b) Detach the clamp and remove the indoor No. 1 electrical key antenna.



Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002QFZ019X
Title: THEFT DETERRENT / KEYLESS ENTRY: ELECTRICAL KEY OSCILLATOR (for Front Floor): INSTALLATION (2010 4Runner)		

INSTALLATION

1. INSTALL INDOOR NO. 1 ELECTRICAL KEY ANTENNA ASSEMBLY



(a) Attach the clamp to install the indoor No. 1 electrical key antenna.

(b) Connect the connector.

2. INSTALL UPPER CONSOLE PANEL SUB-ASSEMBLY (for 2TR-FE) [INFO](#)

3. INSTALL UPPER CONSOLE PANEL SUB-ASSEMBLY (for 1GR-FE) [INFO](#)

4. INSTALL SHIFT LEVER KNOB SUB-ASSEMBLY (for 2TR-FE) [INFO](#)

5. INSTALL SHIFT LEVER KNOB SUB-ASSEMBLY (for 1GR-FE, for VF2A) [INFO](#)

6. INSTALL SHIFT LEVER KNOB SUB-ASSEMBLY (for 1GR-FE) [INFO](#)

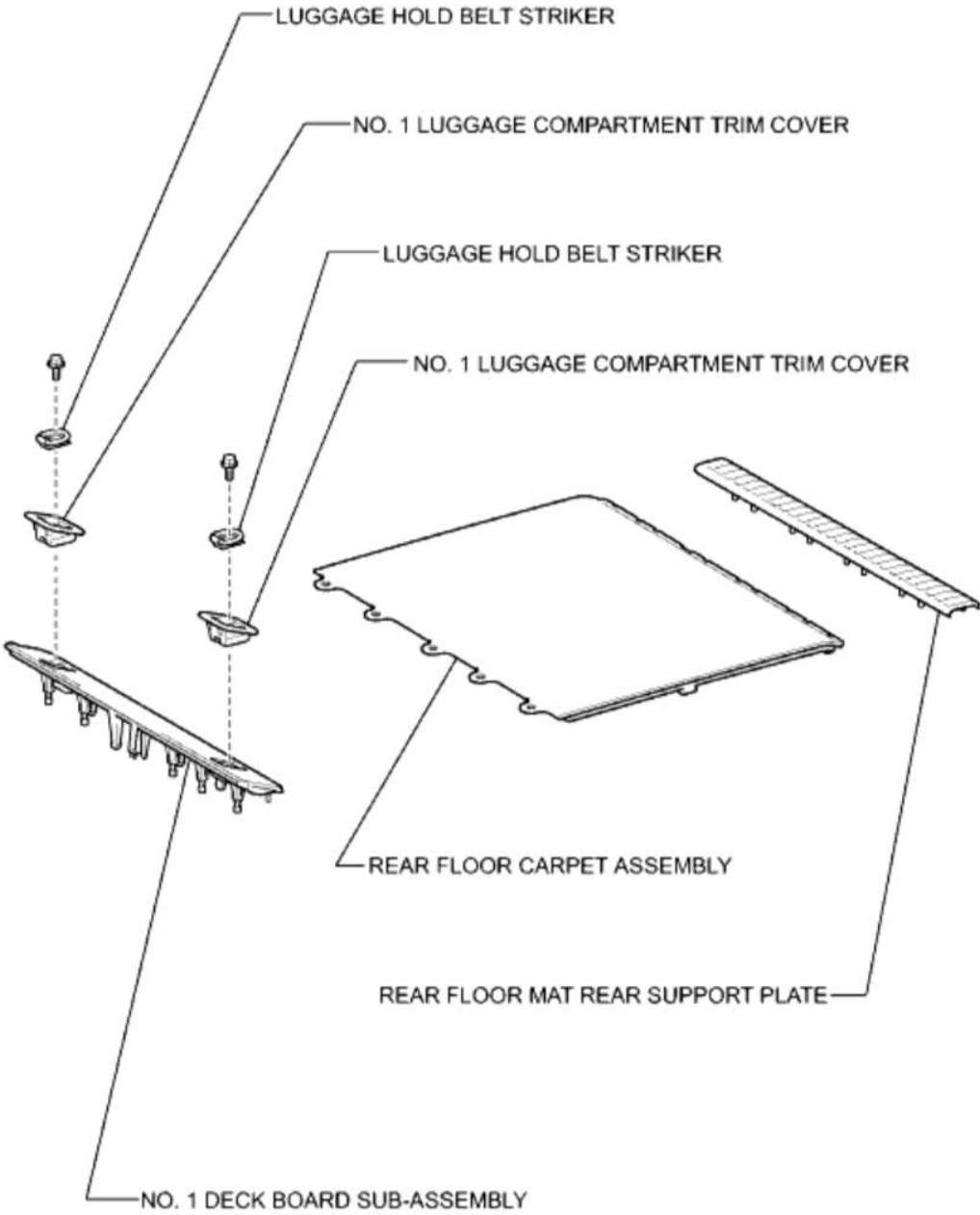


Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002QFU00UX
Title: THEFT DETERRENT / KEYLESS ENTRY: ELECTRICAL KEY OSCILLATOR (for Luggage Compartment): COMPONENTS (2010 4Runner)		

COMPONENTS

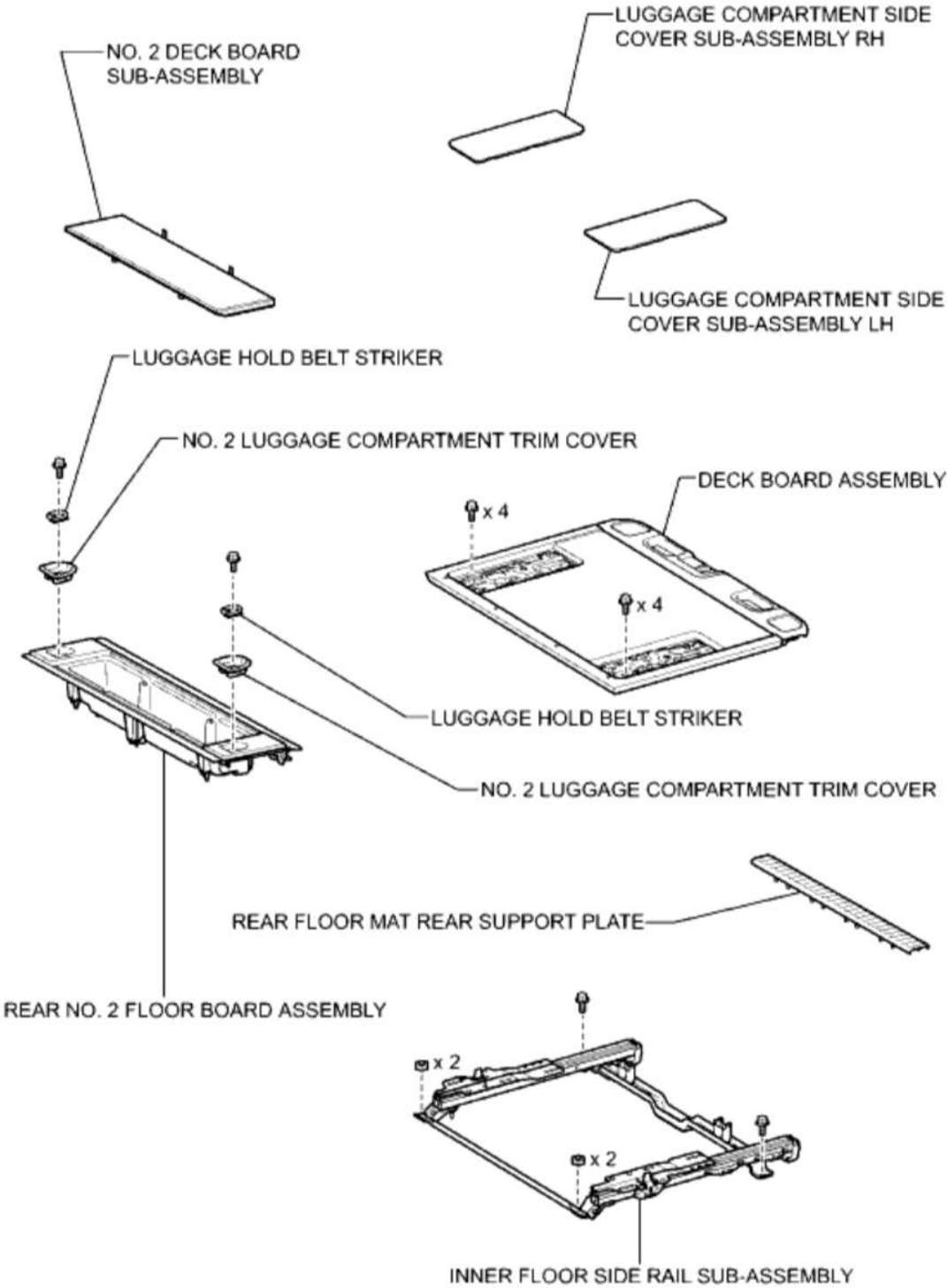
ILLUSTRATION

w/o Deck Board:



ILLUSTRATION

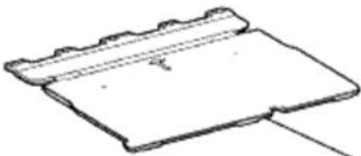
w/ Deck Board:



ILLUSTRATION

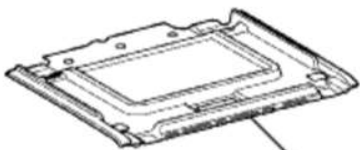
w/o Rear No. 2 Seat:

w/o Deck Board:

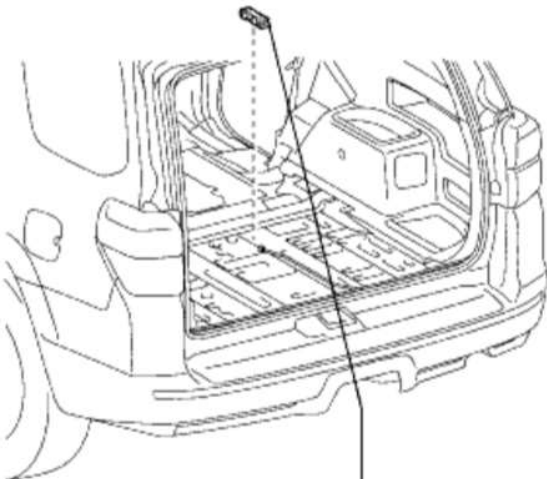


REAR FLOOR PAD

w/ Deck Board:

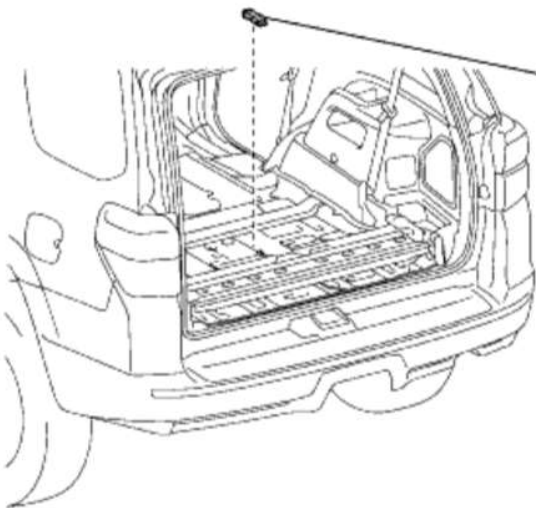


REAR FLOOR CARPET ASSEMBLY



INDOOR NO. 2 ELECTRICAL
KEY ANTENNA ASSEMBLY

w/ Rear No. 2 Seat:



INDOOR NO. 2 ELECTRICAL
KEY ANTENNA ASSEMBLY

Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002QFV00XX
Title: THEFT DETERRENT / KEYLESS ENTRY: ELECTRICAL KEY OSCILLATOR (for Luggage Compartment): REMOVAL (2010 4Runner)		

REMOVAL

1. REMOVE REAR NO. 2 SEAT ASSEMBLY

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

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

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

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

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

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

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

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

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

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

11. REMOVE REAR FLOOR MAT REAR SUPPORT PLATE

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

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

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

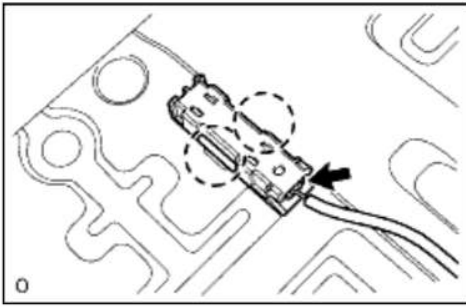
14. REMOVE REAR FLOOR PAD (w/o Deck Board)

(a) Remove the rear floor pad.

15. REMOVE NO. 1 LUGGAGE COMPARTMENT TRIM COVER

16. REMOVE INDOOR NO. 2 ELECTRICAL KEY ANTENNA ASSEMBLY

(a) Disconnect the connector.



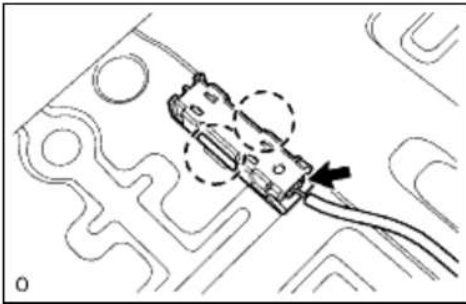
(b) Detach the 2 claws and remove the indoor No. 2 electrical key antenna.



Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002QFT00XX
Title: THEFT DETERRENT / KEYLESS ENTRY: ELECTRICAL KEY OSCILLATOR (for Luggage Compartment): INSTALLATION (2010 4Runner)		

INSTALLATION

1. INSTALL INDOOR NO. 2 ELECTRICAL KEY ANTENNA ASSEMBLY



(a) Attach the 2 claws to install the indoor No. 2 electrical key antenna.

(b) Connect the connector.

2. INSTALL NO. 1 LUGGAGE COMPARTMENT TRIM COVER [INFO](#)

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

(a) Install the rear floor pad.

4. INSTALL REAR FLOOR CARPET ASSEMBLY (w/o Deck Board) [INFO](#)

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

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

6. INSTALL REAR FLOOR MAT REAR SUPPORT PLATE [INFO](#)

7. INSTALL INNER FLOOR SIDE RAIL SUB-ASSEMBLY (w/ Deck Board) [INFO](#)

8. INSTALL DECK BOARD ASSEMBLY (w/ Deck Board) [INFO](#)

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

[INFO](#)

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

[INFO](#)

11. INSTALL REAR NO. 2 FLOOR BOARD ASSEMBLY (w/ Deck Board) [INFO](#)

12. INSTALL NO. 2 DECK BOARD SUB-ASSEMBLY (w/o Deck Board) [INFO](#)

13. INSTALL NO. 2 LUGGAGE COMPARTMENT TRIM COVER (w/ Deck Board, w/o Rear No. 2 Seat) [INFO](#)

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

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

16. INSTALL REAR NO. 2 SEAT ASSEMBLY (w/ Rear No. 2 Seat)

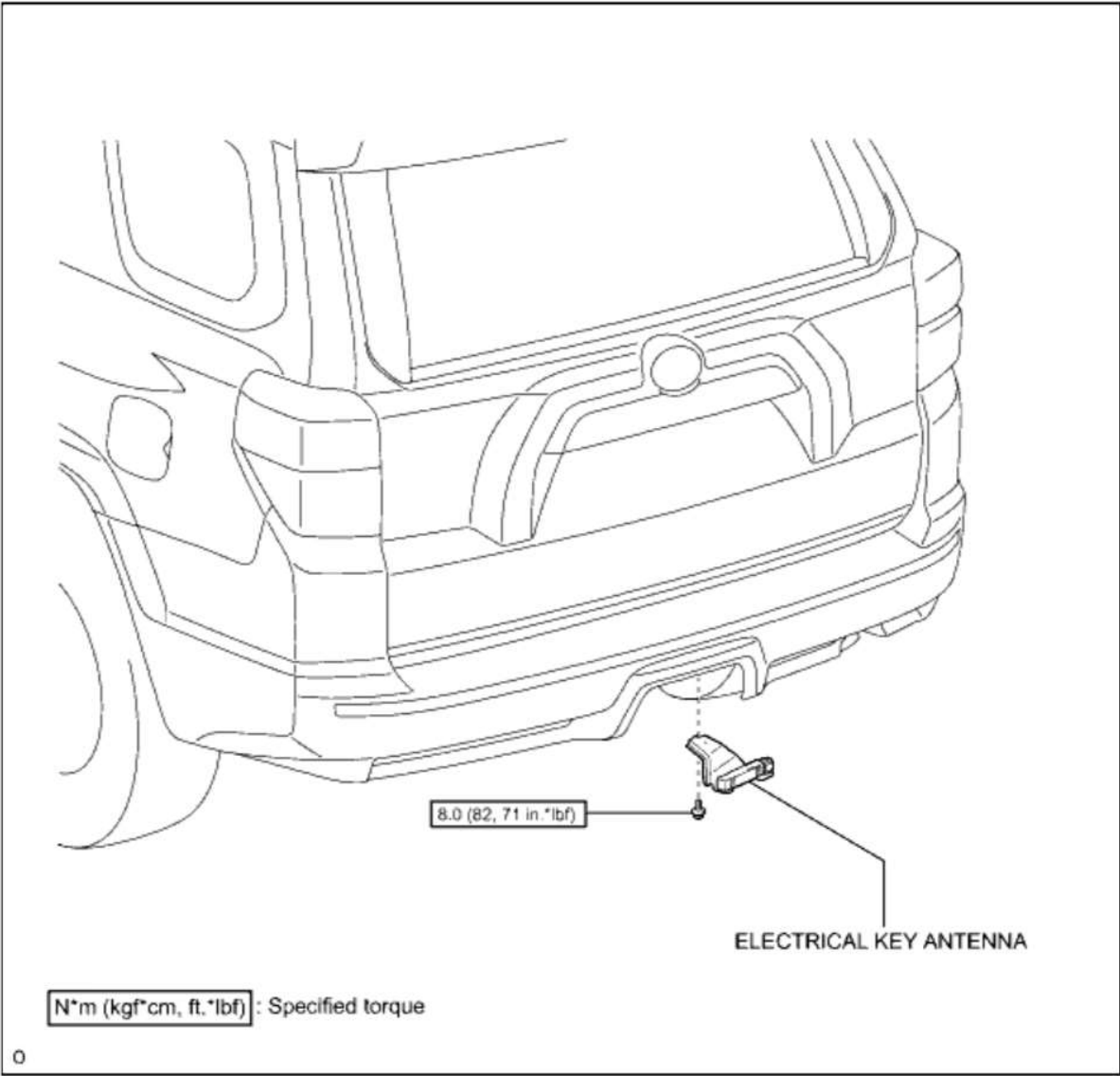
(a) Install the rear No. 2 seat assembly  .



Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002QFR00QX
Title: THEFT DETERRENT / KEYLESS ENTRY: ELECTRICAL KEY OSCILLATOR (for Outside Luggage Compartment): COMPONENTS (2010 4Runner)		

COMPONENTS

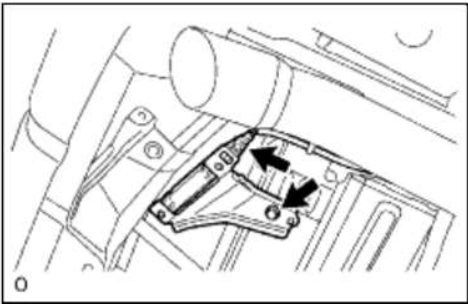
ILLUSTRATION



Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002QFS00TX
Title: THEFT DETERRENT / KEYLESS ENTRY: ELECTRICAL KEY OSCILLATOR (for Outside Luggage Compartment): REMOVAL (2010 4Runner)		

REMOVAL

1. REMOVE ELECTRICAL KEY ANTENNA



(a) Disconnect the connector.

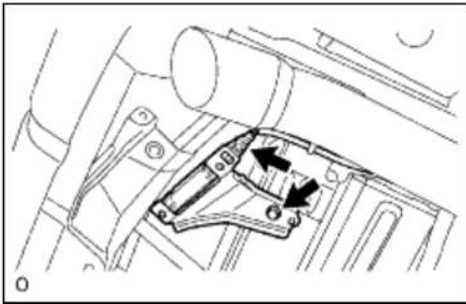
(b) Remove the bolt and electrical key antenna.



Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002QFQ00TX
Title: THEFT DETERRENT / KEYLESS ENTRY: ELECTRICAL KEY OSCILLATOR (for Outside Luggage Compartment): INSTALLATION (2010 4Runner)		

INSTALLATION

1. INSTALL ELECTRICAL KEY ANTENNA



(a) Install the electrical key antenna with the bolt.

Torque: 8.0 N·m (82 kgf·cm, 71in·lbf)

(b) Connect the connector.

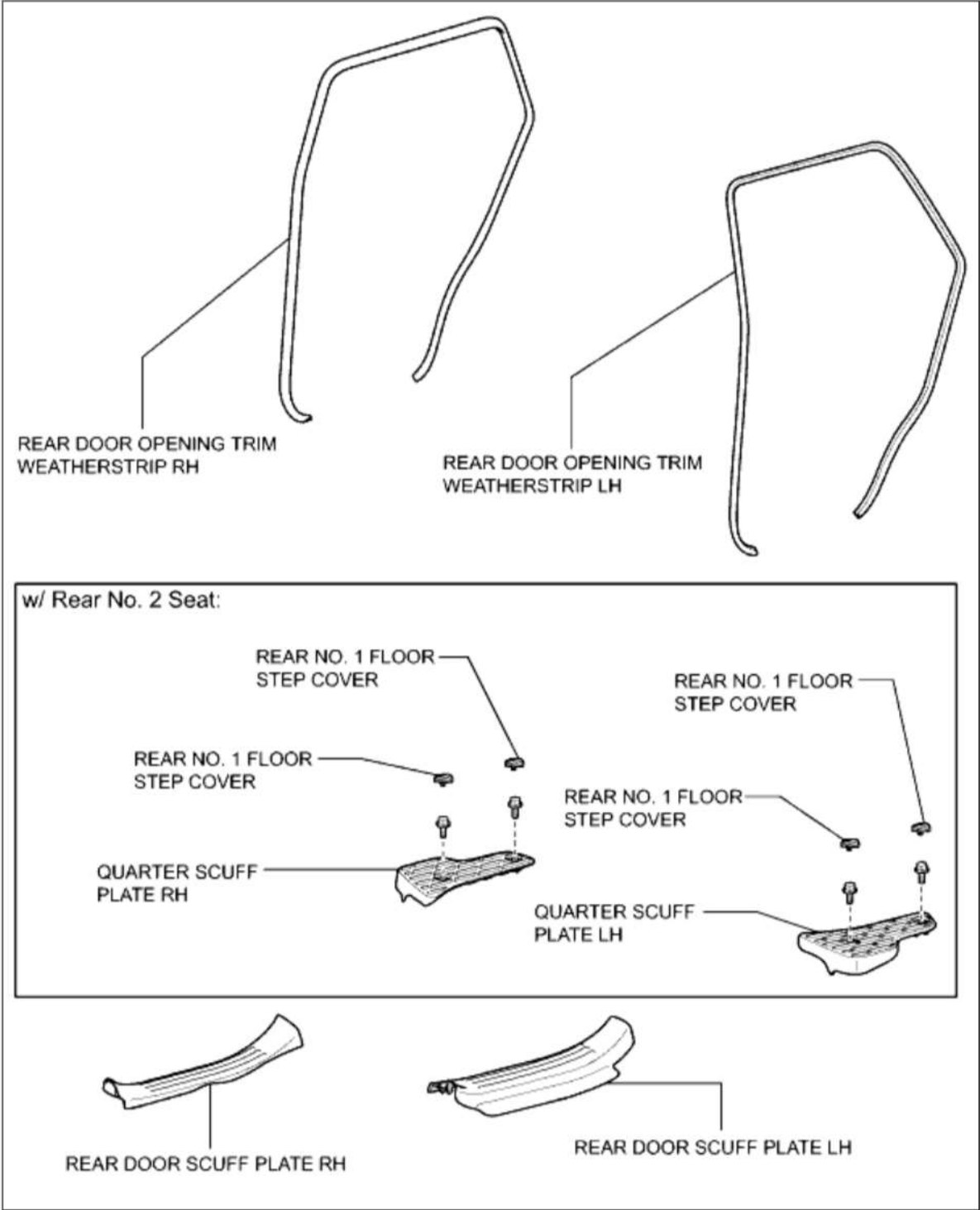


TOYOTA

Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002QFU00TX
Title: THEFT DETERRENT / KEYLESS ENTRY: ELECTRICAL KEY OSCILLATOR (for Rear Floor): COMPONENTS (2010 4Runner)		

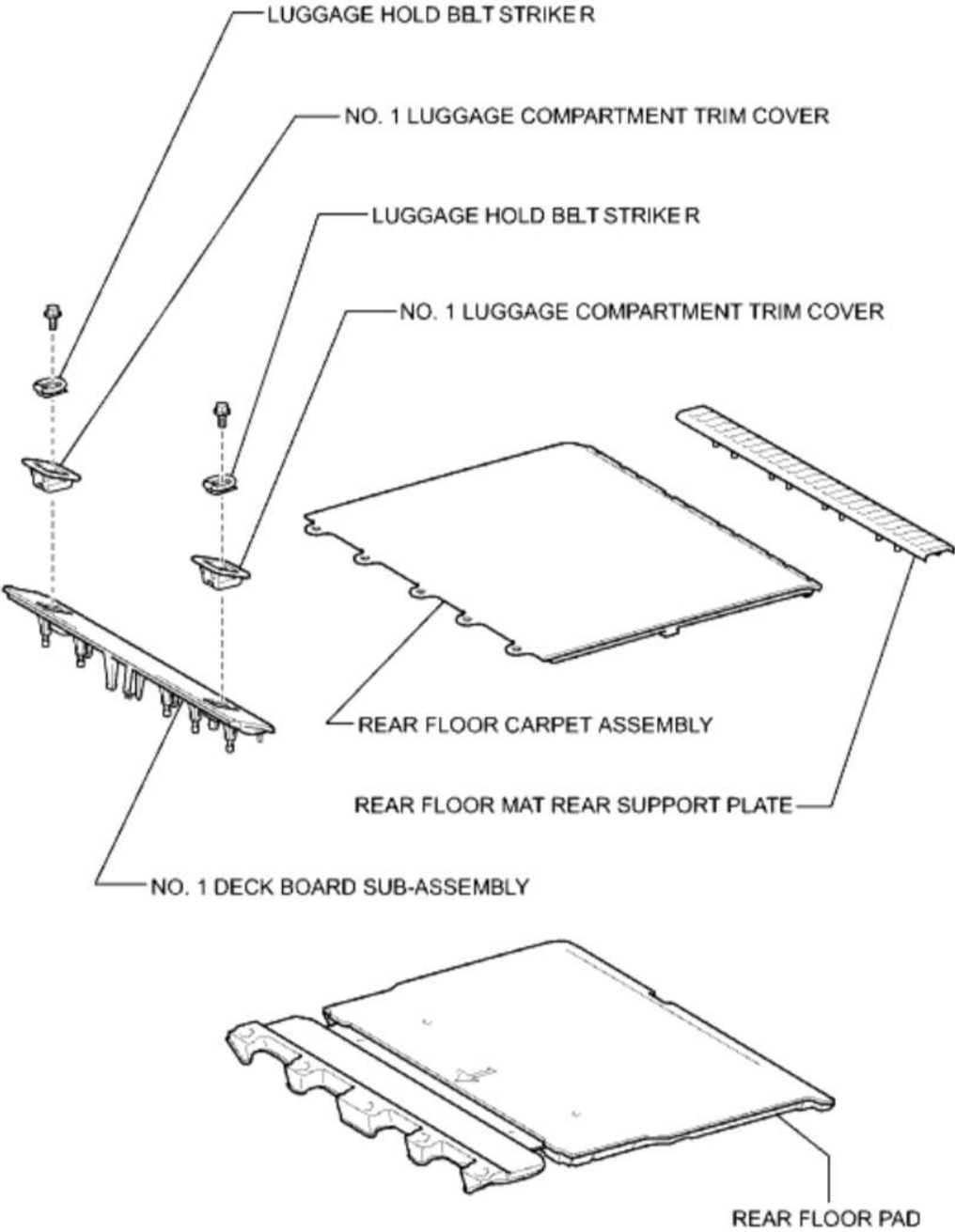
COMPONENTS

ILLUSTRATION

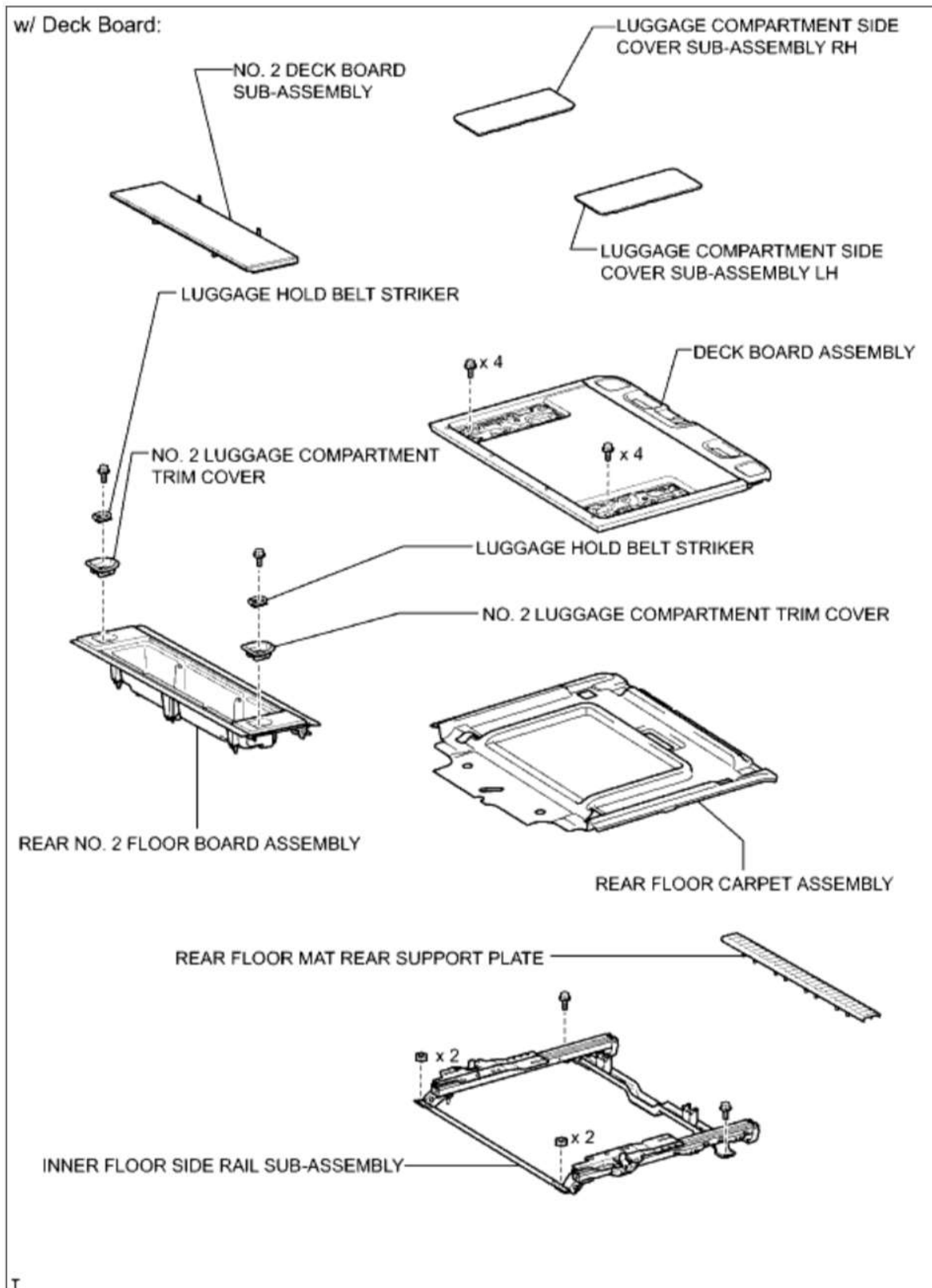


ILLUSTRATION

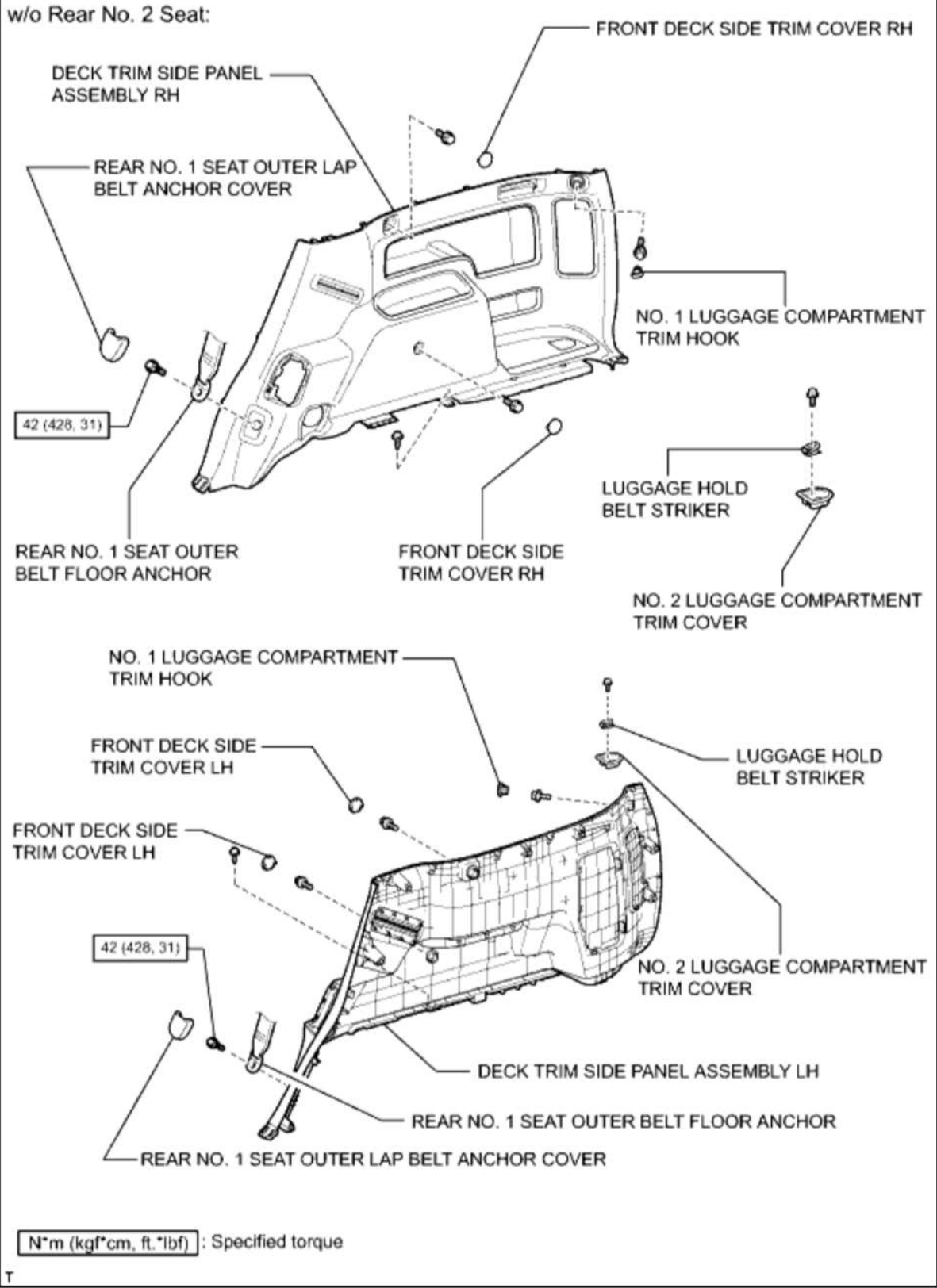
w/o Deck Board:



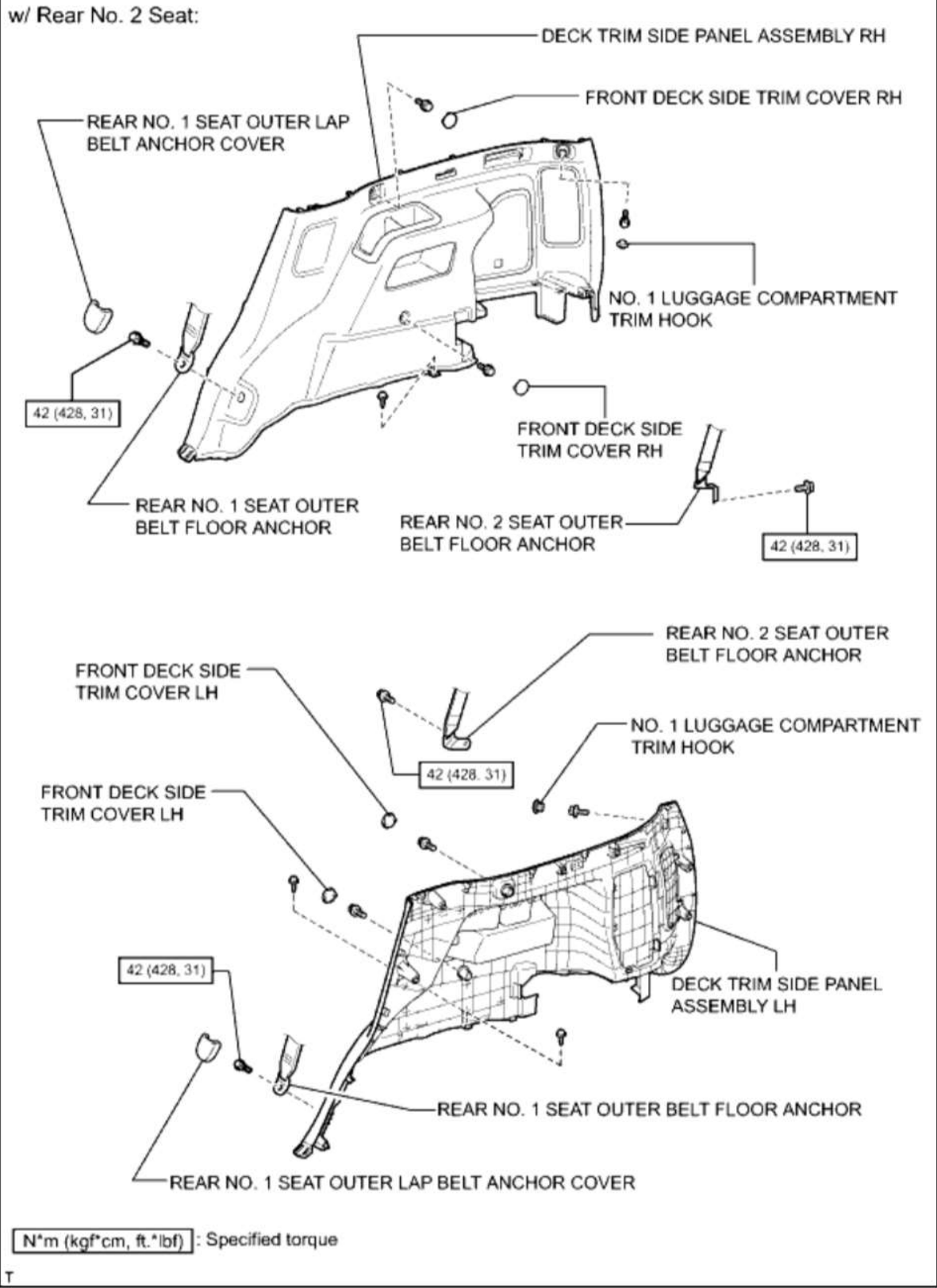
ILLUSTRATION



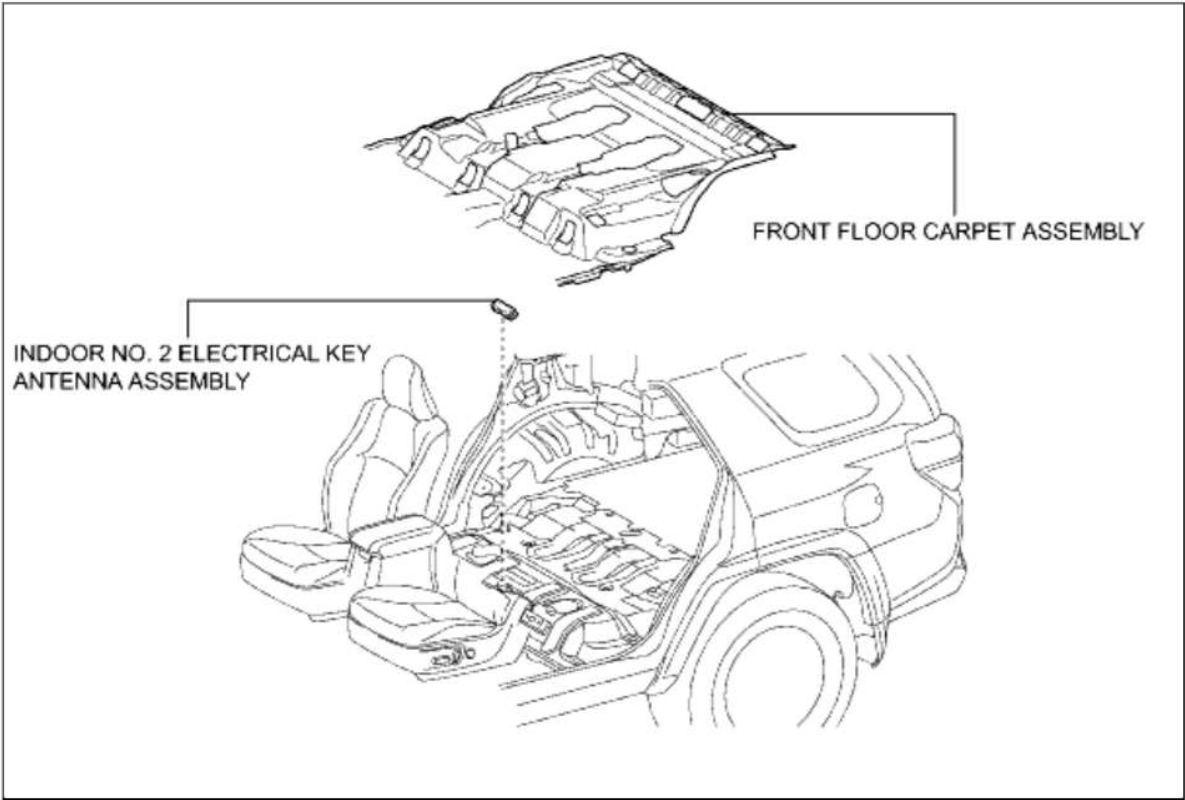
ILLUSTRATION



ILLUSTRATION



ILLUSTRATION



Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002QFV00WX
Title: THEFT DETERRENT / KEYLESS ENTRY: ELECTRICAL KEY OSCILLATOR (for Rear Floor): REMOVAL (2010 4Runner)		

REMOVAL

1. REMOVE REAR NO. 2 SEAT ASSEMBLY

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

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

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

4. REMOVE QUARTER SCUFF PLATE RH (w/ Rear No. 2 Seat)

5. REMOVE REAR DOOR SCUFF PLATE LH

6. REMOVE REAR DOOR SCUFF PLATE RH

7. REMOVE REAR DOOR OPENING TRIM WEATHERSTRIP LH

8. REMOVE REAR DOOR OPENING TRIM WEATHERSTRIP RH

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

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

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

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

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

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

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

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

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

18. REMOVE REAR FLOOR MAT REAR SUPPORT PLATE

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

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

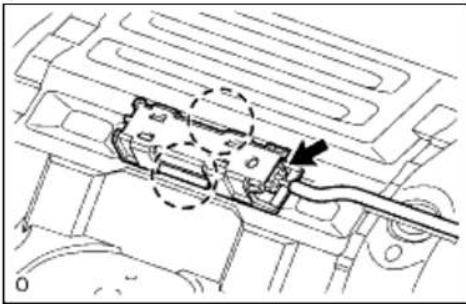
20. REMOVE REAR FLOOR CARPET ASSEMBLY (w/o Deck Board)

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

(a) Remove the rear floor pad.

22. REMOVE REAR NO. 1 SEAT OUTER LAP BELT ANCHOR COVER[INFO](#)**23. REMOVE NO. 1 LUGGAGE COMPARTMENT TRIM HOOK**[INFO](#)**24. REMOVE FRONT DECK SIDE TRIM COVER LH**[INFO](#)**25. REMOVE FRONT DECK SIDE TRIM COVER RH**[INFO](#)**26. REMOVE NO. 1 LUGGAGE COMPARTMENT TRIM COVER**[INFO](#)**27. REMOVE DECK TRIM SIDE PANEL ASSEMBLY LH**[INFO](#)**28. REMOVE DECK TRIM SIDE PANEL ASSEMBLY RH**[INFO](#)**29. REMOVE INDOOR NO. 2 ELECTRICAL KEY ANTENNA ASSEMBLY**

(a) Fold back the front floor carpet assembly.



(b) Disconnect the connector.

(c) Detach the 2 claws and remove the indoor No. 2 electrical key antenna.

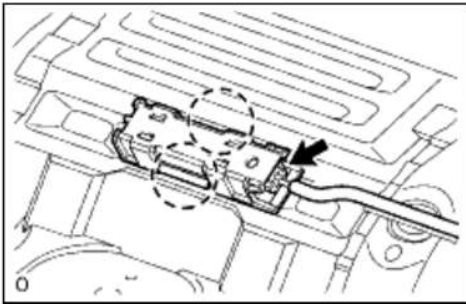


TOYOTA

Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002QFT00WX
Title: THEFT DETERRENT / KEYLESS ENTRY: ELECTRICAL KEY OSCILLATOR (for Rear Floor): INSTALLATION (2010 4Runner)		

INSTALLATION

1. INSTALL INDOOR NO. 2 ELECTRICAL KEY ANTENNA ASSEMBLY



(a) Attach the 2 claws to install the indoor No. 2 electrical key antenna.

(b) Connect the connector.

(c) Install the front floor carpet assembly.

2. INSTALL DECK TRIM SIDE PANEL ASSEMBLY RH INFO

3. INSTALL DECK TRIM SIDE PANEL ASSEMBLY LH INFO

4. INSTALL NO. 1 LUGGAGE COMPARTMENT TRIM COVER INFO

5. INSTALL FRONT DECK SIDE TRIM COVER LH INFO

6. INSTALL FRONT DECK SIDE TRIM COVER RH INFO

7. INSTALL NO. 1 LUGGAGE COMPARTMENT TRIM HOOK INFO

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

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

(a) Install the rear floor pad.

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

11. INSTALL REAR FLOOR CARPET ASSEMBLY

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

12. INSTALL REAR FLOOR MAT REAR SUPPORT PLATE INFO

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

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

15. INSTALL LUGGAGE COMPARTMENT SIDE COVER SUB-ASSEMBLY LH (w/ Deck Board)**16. INSTALL LUGGAGE COMPARTMENT SIDE COVER SUB-ASSEMBLY RH (w/ Deck Board)****17. INSTALL REAR NO. 2 FLOOR BOARD ASSEMBLY (w/ Deck Board)****18. INSTALL NO. 2 DECK BOARD SUB-ASSEMBLY (w/o Deck Board)****19. INSTALL NO. 2 LUGGAGE COMPARTMENT TRIM COVER (w/ Deck Board, w/o Rear No. 2 Seat)****20. INSTALL NO. 1 DECK BOARD SUB-ASSEMBLY (w/o Deck Board)****21. INSTALL NO. 1 LUGGAGE COMPARTMENT TRIM COVER (w/o Deck Board)****22. INSTALL REAR DOOR OPENING TRIM WEATHERSTRIP LH****23. INSTALL REAR DOOR OPENING TRIM WEATHERSTRIP RH****24. INSTALL REAR DOOR SCUFF PLATE LH****25. INSTALL REAR DOOR SCUFF PLATE RH****26. INSTALL QUARTER SCUFF PLATE LH (w/ Rear No. 2 Seat)****27. INSTALL QUARTER SCUFF PLATE RH (w/ Rear No. 2 Seat)****28. INSTALL REAR NO. 1 FLOOR STEP COVER (w/ Rear No. 2 Seat)****29. INSTALL REAR NO. 2 SEAT ASSEMBLY (w/ Rear No. 2 Seat)**

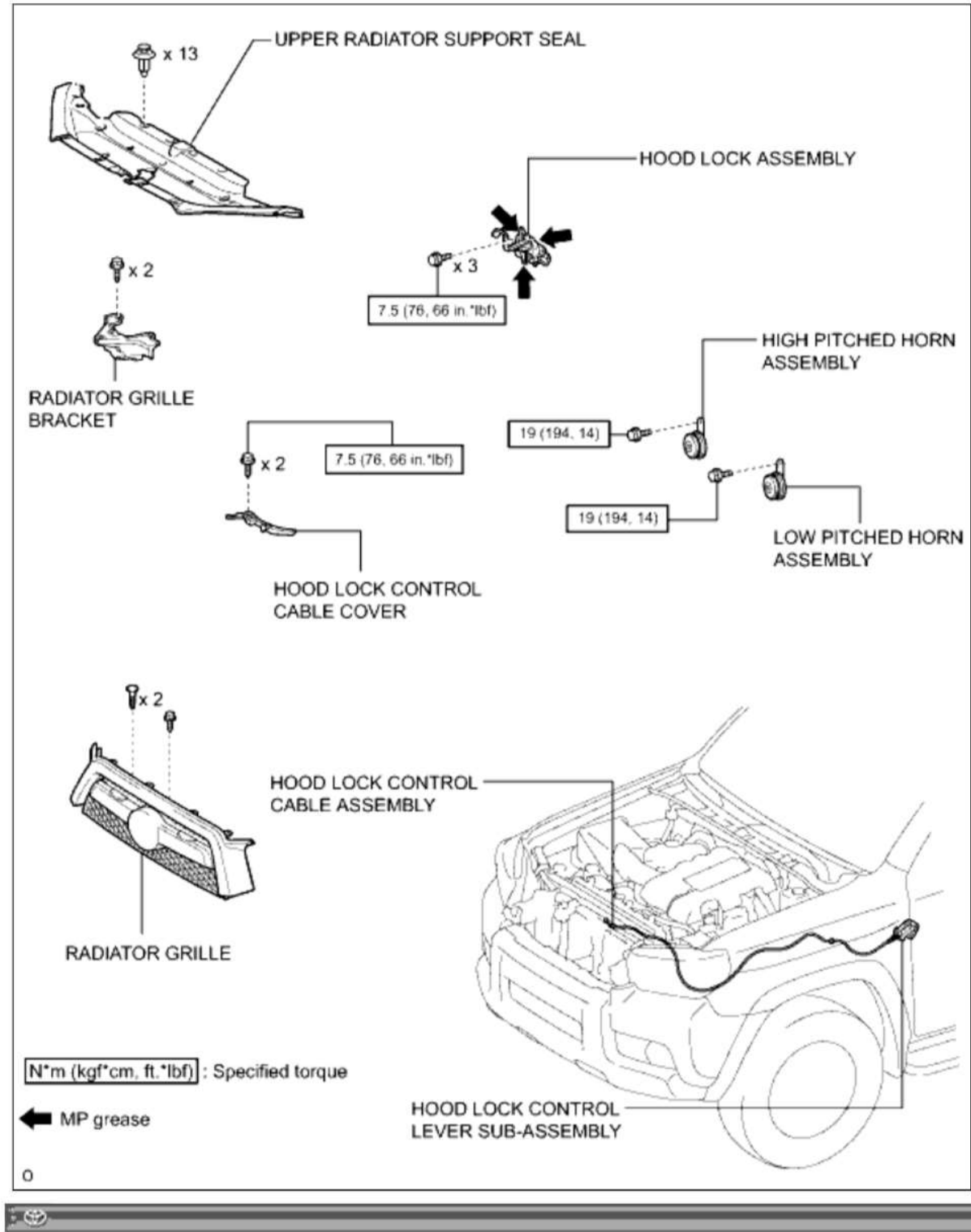
(a) Install the rear No. 2 seat assembly .



Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM0000048JL000X
Title: THEFT DETERRENT / KEYLESS ENTRY: ENGINE HOOD COURTESY SWITCH: COMPONENTS (2010 4Runner)		

COMPONENTS

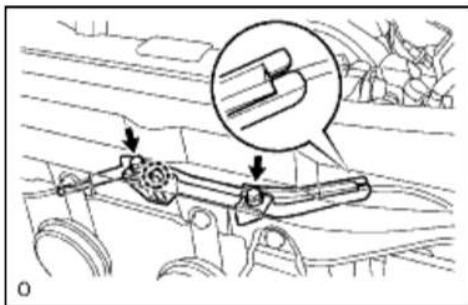
ILLUSTRATION



Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000000Y5504BX
Title: THEFT DETERRENT / KEYLESS ENTRY: ENGINE HOOD COURTESY SWITCH: REMOVAL (2010 4Runner)		

REMOVAL

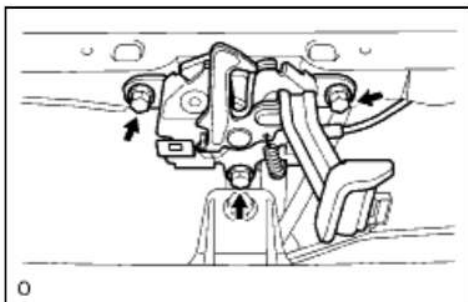
1. REMOVE UPPER RADIATOR SUPPORT SEAL INFO
2. REMOVE RADIATOR GRILLE INFO
3. REMOVE RADIATOR GRILLE BRACKET INFO
4. REMOVE LOW PITCHED HORN ASSEMBLY INFO
5. REMOVE HIGH PITCHED HORN ASSEMBLY INFO
6. REMOVE HOOD LOCK CONTROL CABLE COVER



(a) Remove the 2 screws.

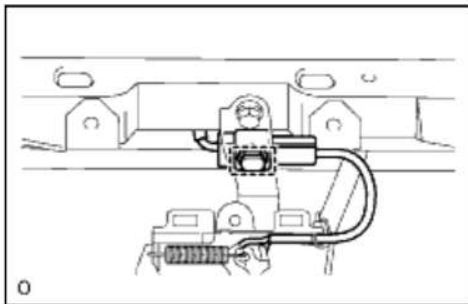
(b) Detach the claw and remove the hood lock control cable cover.

7. REMOVE HOOD LOCK ASSEMBLY



(a) Remove the 3 bolts.

(b) Detach the clamp.



(c) Disconnect the connector.

(d) Disconnect the hood lock control cable and remove the hood lock assembly.

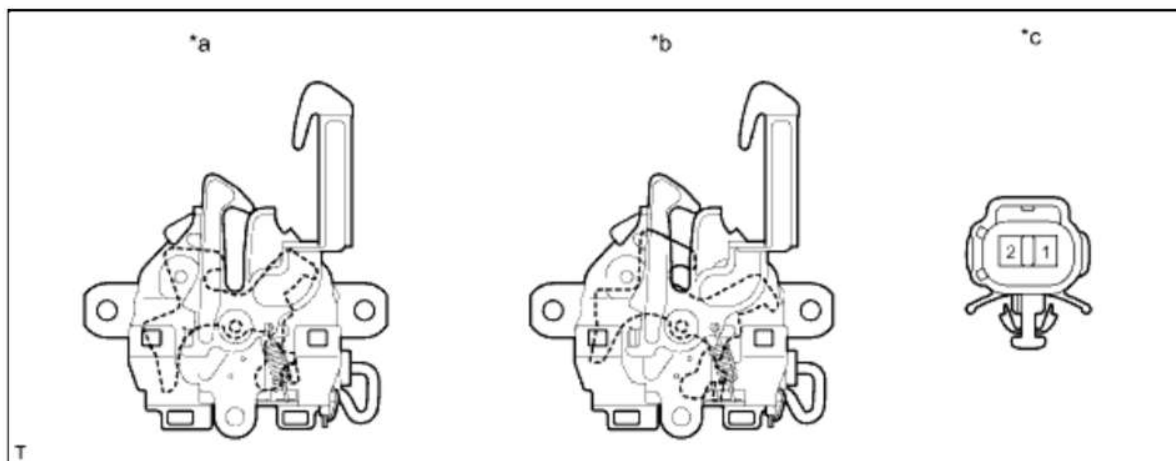


Last Modified: 5-10-2010	6.4 G	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002XR900AX
Title: THEFT DETERRENT / KEYLESS ENTRY: ENGINE HOOD COURTESY SWITCH: INSPECTION (2010 4Runner)		

INSPECTION

1. INSPECT HOOD LOCK ASSEMBLY (ENGINE HOOD COURTESY SWITCH)

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



Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
1 - 2	Unlock position	Below 1 Ω
1 - 2	Lock position	10 k Ω or higher

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

Text in Illustration

*a	Unlock Position	*b	Lock Position
*c	Component without harness connected (Hood Lock Assembly (Engine Hood Courtesy Switch))	-	-



Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000000Y5304GX
Title: THEFT DETERRENT / KEYLESS ENTRY: ENGINE HOOD COURTESY SWITCH: INSTALLATION (2010 4Runner)		

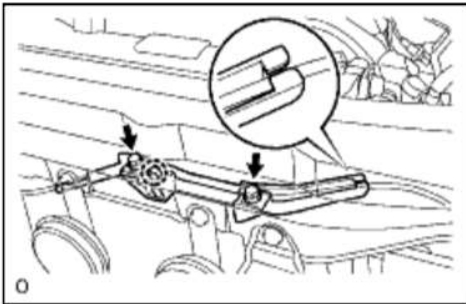
INSTALLATION

1. INSTALL HOOD LOCK ASSEMBLY

- (a) Apply MP grease to the sliding areas of the lock.
- (b) Connect the hood lock control cable assembly.
- (c) Connect the connector.
- (d) Install the hood lock assembly with the 3 bolts.

Torque: 7.5 N·m (76 kgf·cm, 66in·lbf)

2. INSTALL HOOD LOCK CONTROL CABLE COVER



- (a) Pass the hood lock control cable assembly through the hood lock control cable cover.

- (b) Attach the claw to install the hood lock control cable cover.
- (c) Install the 2 screws.

Torque: 7.5 N·m (76 kgf·cm, 66in·lbf)

3. INSTALL LOW PITCHED HORN ASSEMBLY INFO

4. INSTALL HIGH PITCHED HORN ASSEMBLY INFO

5. INSTALL RADIATOR GRILLE BRACKET INFO

6. INSTALL RADIATOR GRILLE INFO

7. INSTALL UPPER RADIATOR SUPPORT SEAL

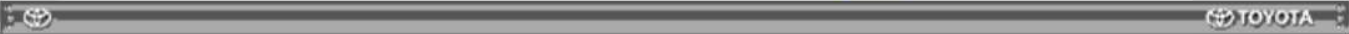


Last Modified: 5-10-2010	6.4 L	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003BL6007X
Title: THEFT DETERRENT / KEYLESS ENTRY: ID CODE BOX: PRECAUTION (2010 4Runner)		

PRECAUTION

1. PRECAUTION FOR VEHICLE WITH SRS AIRBAG AND SEAT BELT PRETENSIONER

- (a) Some operations in this section may affect the SRS airbags. Prior to performing the corresponding operations, read the SRS airbag Precaution  .

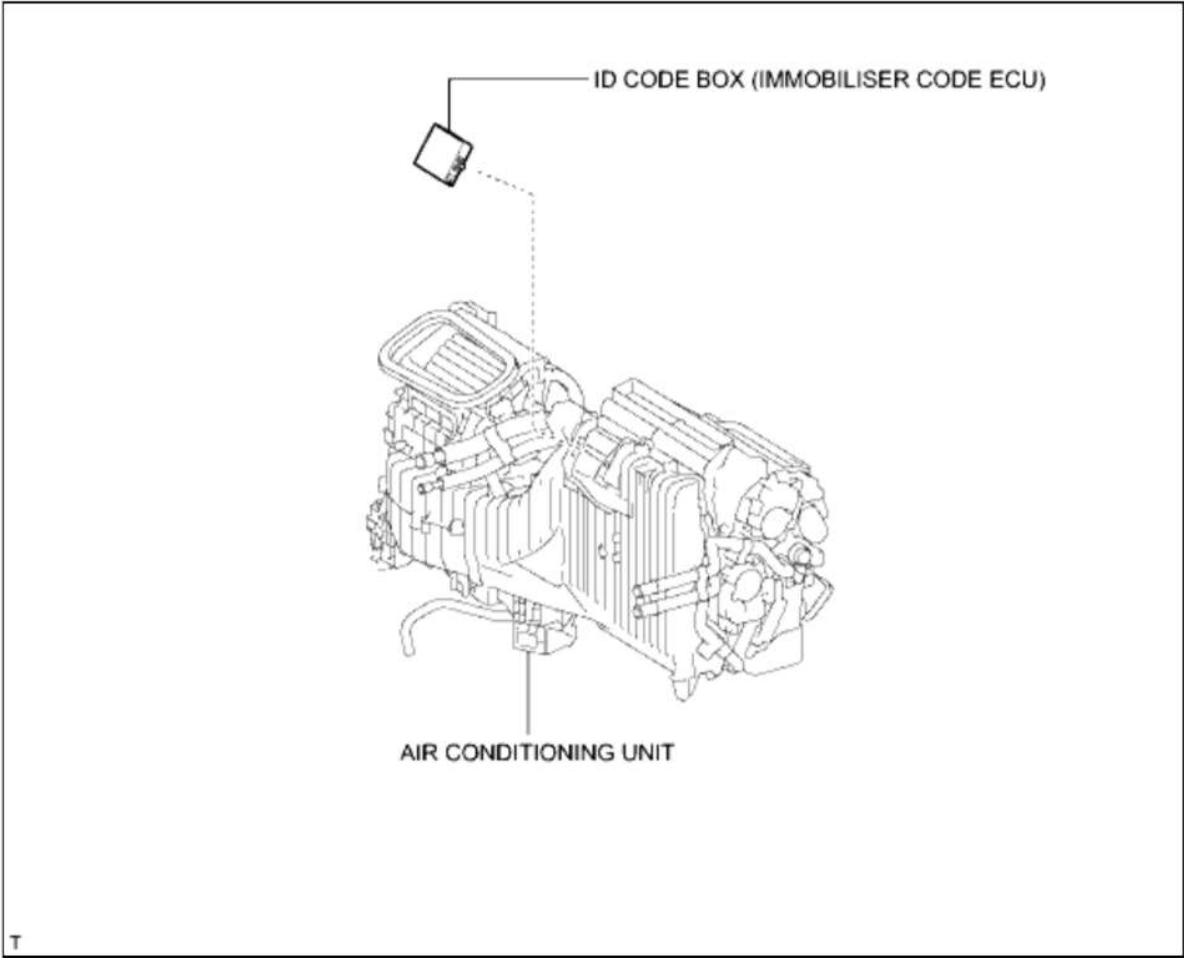


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Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003BIF007X
Title: THEFT DETERRENT / KEYLESS ENTRY: ID CODE BOX: COMPONENTS (2010 4Runner)		

COMPONENTS

ILLUSTRATION



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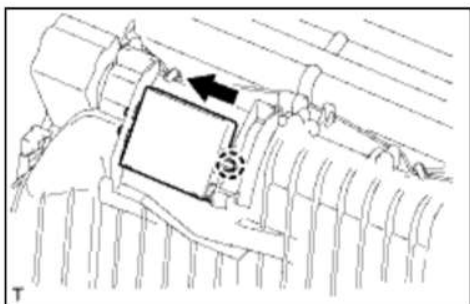
Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003BIG007X
Title: THEFT DETERRENT / KEYLESS ENTRY: ID CODE BOX: REMOVAL (2010 4Runner)		

REMOVAL

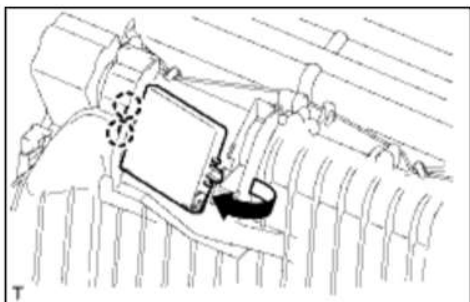
1. REMOVE INSTRUMENT PANEL REINFORCEMENT ASSEMBLY WITH AIR CONDITIONING UNIT ASSEMBLY

(a) Remove the air conditioning unit .

2. REMOVE ID CODE BOX



(a) Move the ID code box in the direction of the arrow in the illustration to detach the claw.



(b) Move the ID code box in the direction of the arrow to detach the 2 claws and remove the ID code box.

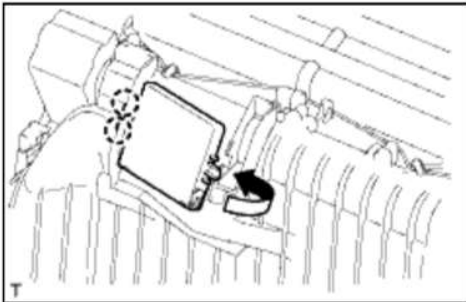


TOYOTA

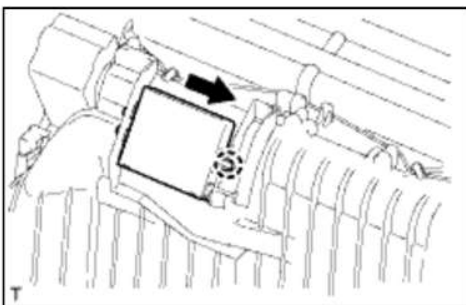
Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003BIE007X
Title: THEFT DETERRENT / KEYLESS ENTRY: ID CODE BOX: INSTALLATION (2010 4Runner)		

INSTALLATION

1. INSTALL ID CODE BOX



(a) Attach the 2 claws and move the ID code box in the direction of the arrow.



(b) Move the ID code box in the direction of the arrow to attach the claw and install the ID code box.

2. INSTALL INSTRUMENT PANEL REINFORCEMENT ASSEMBLY WITH AIR CONDITIONING UNIT ASSEMBLY

(a) Install the air conditioning unit .

3. REGISTER ECU CODE

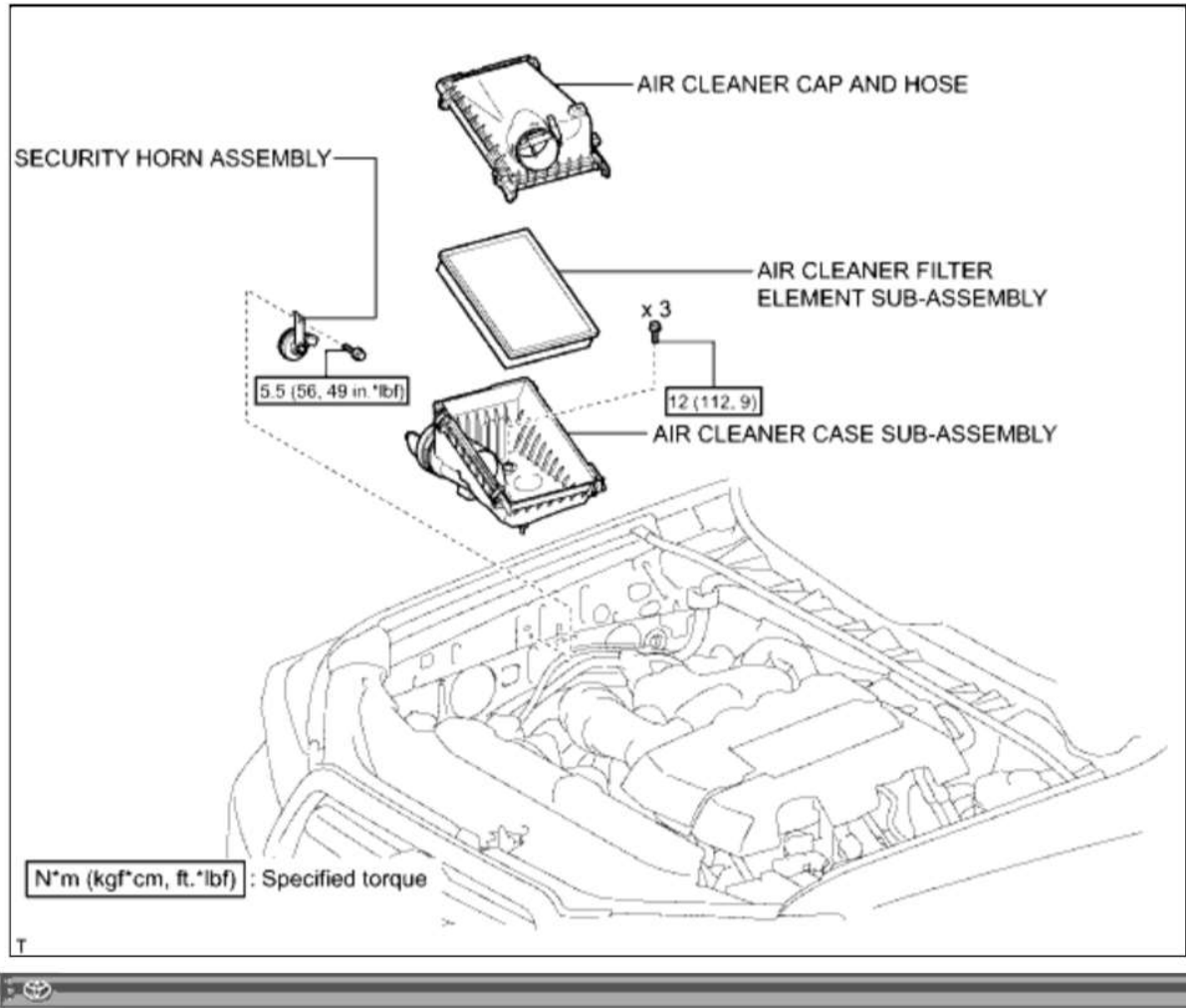
(a) Register the ECU code .



Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM0000039RC00AX
Title: THEFT DETERRENT / KEYLESS ENTRY: SECURITY HORN ASSEMBLY: COMPONENTS (2010 4Runner)		

COMPONENTS

ILLUSTRATION



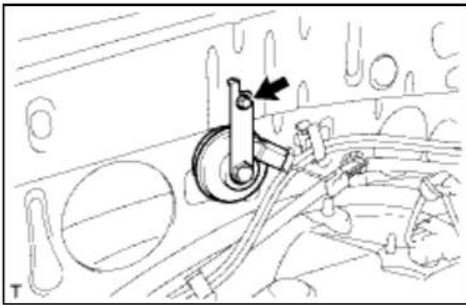
Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002PLR00PX
Title: THEFT DETERRENT / KEYLESS ENTRY: SECURITY HORN ASSEMBLY: REMOVAL (2010 4Runner)		

REMOVAL

1. REMOVE AIR CLEANER CAP AND HOSE [INFO](#)

2. REMOVE AIR CLEANER CASE SUB-ASSEMBLY [INFO](#)

3. REMOVE SECURITY HORN ASSEMBLY



(a) Disconnect the connector.

(b) Remove the bolt and horn.



Last Modified: 5-10-2010	6.4 G	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000001308010X
Title: THEFT DETERRENT / KEYLESS ENTRY: SECURITY HORN ASSEMBLY: INSPECTION (2010 4Runner)		

INSPECTION

1. INSPECT SECURITY HORN ASSEMBLY

(a) Apply battery voltage to the horn connector and check the operation of the horn.

OK:

MEASUREMENT CONDITION	SPECIFIED CONDITION
Battery positive (+) → Terminal 1 Battery negative (-) → Horn bracket	Horn sounds

If the result is not as specified, replace the security horn assembly.



Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000002PLP00PX
Title: THEFT DETERRENT / KEYLESS ENTRY: SECURITY HORN ASSEMBLY: INSTALLATION (2010 4Runner)		

INSTALLATION

1. INSTALL SECURITY HORN ASSEMBLY

(a) Install the horn with the bolt.

Torque: 5.5 N·m (56 kgf·cm, 49in·lbf)

(b) Connect the connector.

2. INSTALL AIR CLEANER CASE SUB-ASSEMBLY

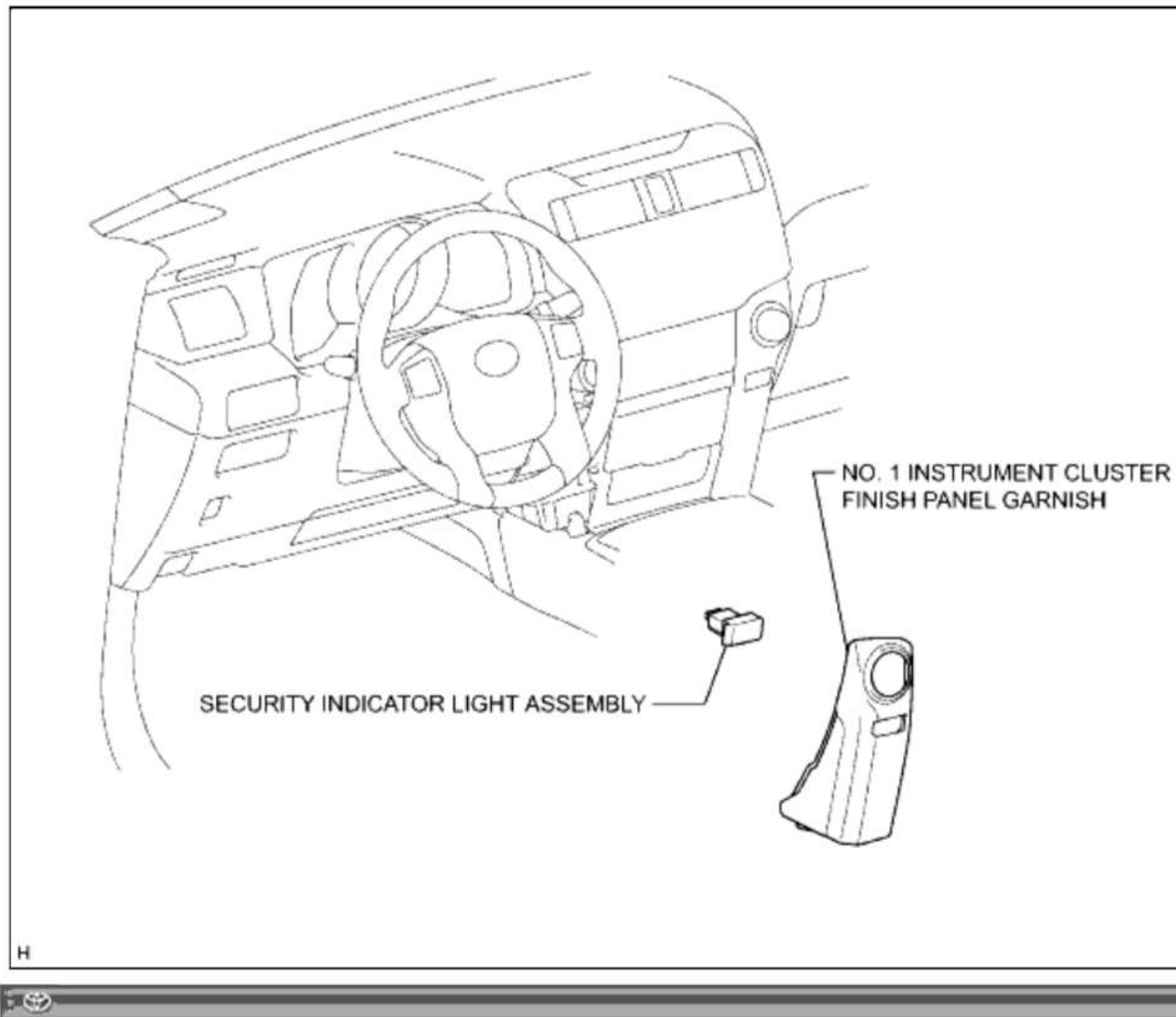
3. INSTALL AIR CLEANER CAP AND HOSE



Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM00000475I001X
Title: THEFT DETERRENT / KEYLESS ENTRY: SECURITY INDICATOR LIGHT ASSEMBLY: COMPONENTS (2010 4Runner)		

COMPONENTS

ILLUSTRATION



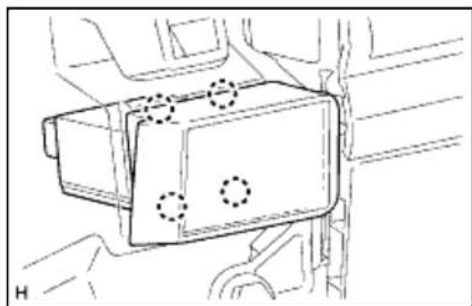
Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM00000475J001X
Title: THEFT DETERRENT / KEYLESS ENTRY: SECURITY INDICATOR LIGHT ASSEMBLY: REMOVAL (2010 4Runner)		

REMOVAL

1. REMOVE NO. 1 INSTRUMENT CLUSTER FINISH PANEL GARNISH



2. REMOVE SECURITY INDICATOR LIGHT ASSEMBLY



(a) Pull the security indicator light to detach the 4 claws on the backside of the security indicator light.

(b) Disconnect the connector and remove the security indicator light.



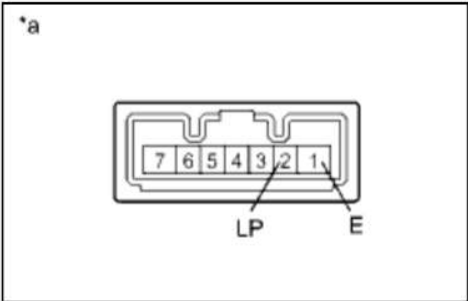
Last Modified: 5-10-2010	6.4 G	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM00000475H001X
Title: THEFT DETERRENT / KEYLESS ENTRY: SECURITY INDICATOR LIGHT ASSEMBLY: INSPECTION (2010 4Runner)		

INSPECTION

1. INSPECT SECURITY INDICATOR LIGHT ASSEMBLY

(a) Apply battery voltage between the terminals of the telltale light assembly, and check that the security indicator light illuminates.

OK:



MEASUREMENT CONDITION	SPECIFIED CONDITION
Battery positive (+) → 2 (LP) Battery negative (-) → 1 (E)	Security indicator light illuminates

If the result is not as specified, replace the security indicator light.

Text in Illustration

* a	Component without harness connected (Security Indicator Light Assembly)
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Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM00000475G001X
Title: THEFT DETERRENT / KEYLESS ENTRY: SECURITY INDICATOR LIGHT ASSEMBLY: INSTALLATION (2010 4Runner)		

INSTALLATION

1. INSTALL SECURITY INDICATOR LIGHT ASSEMBLY

- (a) Connect the connector.
- (b) Attach the 4 claws to install the security indicator light.

2. INSTALL NO. 1 INSTRUMENT CLUSTER FINISH PANEL GARNISH

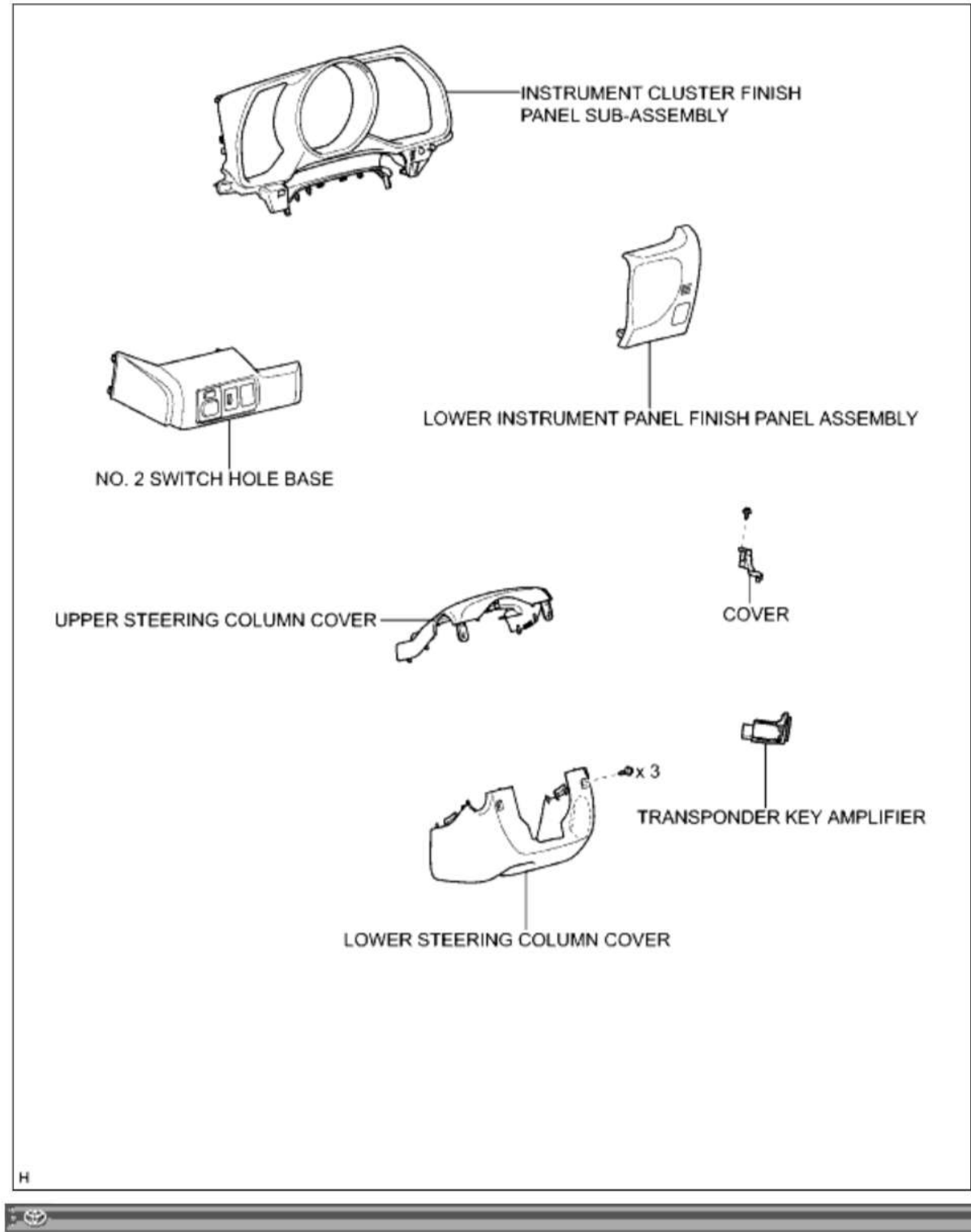
[INFO](#)

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Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003YO0003X
Title: THEFT DETERRENT / KEYLESS ENTRY: TRANSPONDER KEY AMPLIFIER: COMPONENTS (2010 4Runner)		

COMPONENTS

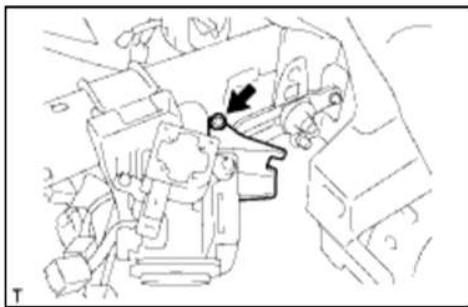
ILLUSTRATION



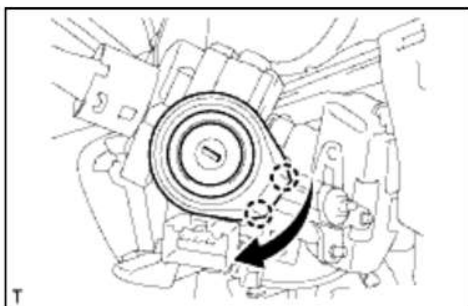
Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003YO1003X
Title: THEFT DETERRENT / KEYLESS ENTRY: TRANSPONDER KEY AMPLIFIER: REMOVAL (2010 4Runner)		

REMOVAL

1. REMOVE NO. 2 SWITCH HOLE BASE [INFO](#)
2. REMOVE LOWER INSTRUMENT PANEL FINISH PANEL ASSEMBLY [INFO](#)
3. REMOVE INSTRUMENT CLUSTER FINISH PANEL SUB-ASSEMBLY [INFO](#)
4. REMOVE LOWER STEERING COLUMN COVER [INFO](#)
5. REMOVE UPPER STEERING COLUMN COVER [INFO](#)
6. REMOVE TRANSPONDER KEY AMPLIFIER



(a) Remove the screw and cover.



(b) Turn the key amplifier as shown in the illustration to detach the 2 claws and remove the key amplifier.

(c) Disconnect the connector.



TOYOTA

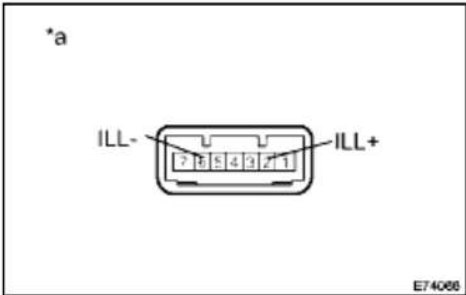
Last Modified: 5-10-2010	6.4 G	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003YNZ003X
Title: THEFT DETERRENT / KEYLESS ENTRY: TRANSPONDER KEY AMPLIFIER: INSPECTION (2010 4Runner)		

INSPECTION

1. INSPECT TRANSPONDER KEY AMPLIFIER

(a) Apply battery voltage to the connector and check the LED illumination condition.

OK:



MEASUREMENT CONDITION	SPECIFIED CONDITION
Battery positive (+) → Terminal 2 (ILL+) Battery negative (-) → Terminal 6 (ILL-)	LED illuminates

If the result is not as specified, replace the transponder key amplifier.

Text in Illustration

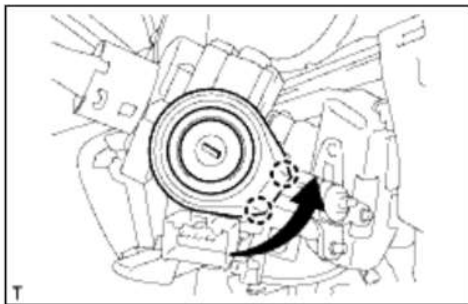
*a	Component without harness connected (Transponder Key Amplifier)
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Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003YNY003X
Title: THEFT DETERRENT / KEYLESS ENTRY: TRANSPONDER KEY AMPLIFIER: INSTALLATION (2010 4Runner)		

INSTALLATION

1. INSTALL TRANSPONDER KEY AMPLIFIER



(a) Connect the connector.

(b) Turn the key amplifier as shown in the illustration to attach the 2 claws and install the key amplifier.

(c) Install the cover with the screw.

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

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

4. INSTALL INSTRUMENT CLUSTER FINISH PANEL SUB-ASSEMBLY [INFO](#)

5. INSTALL LOWER INSTRUMENT PANEL FINISH PANEL ASSEMBLY [INFO](#)

6. INSTALL NO. 2 SWITCH HOLE BASE [INFO](#)



Last Modified: 5-10-2010	6.4 L	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003BL6008X
Title: THEFT DETERRENT / KEYLESS ENTRY: TRANSPONDER KEY ECU: PRECAUTION (2010 4Runner)		

PRECAUTION

1. PRECAUTION FOR VEHICLE WITH SRS AIRBAG AND SEAT BELT PRETENSIONER

- (a) Some operations in this section may affect the SRS airbags. Prior to performing the corresponding operations, read the SRS airbag Precaution .

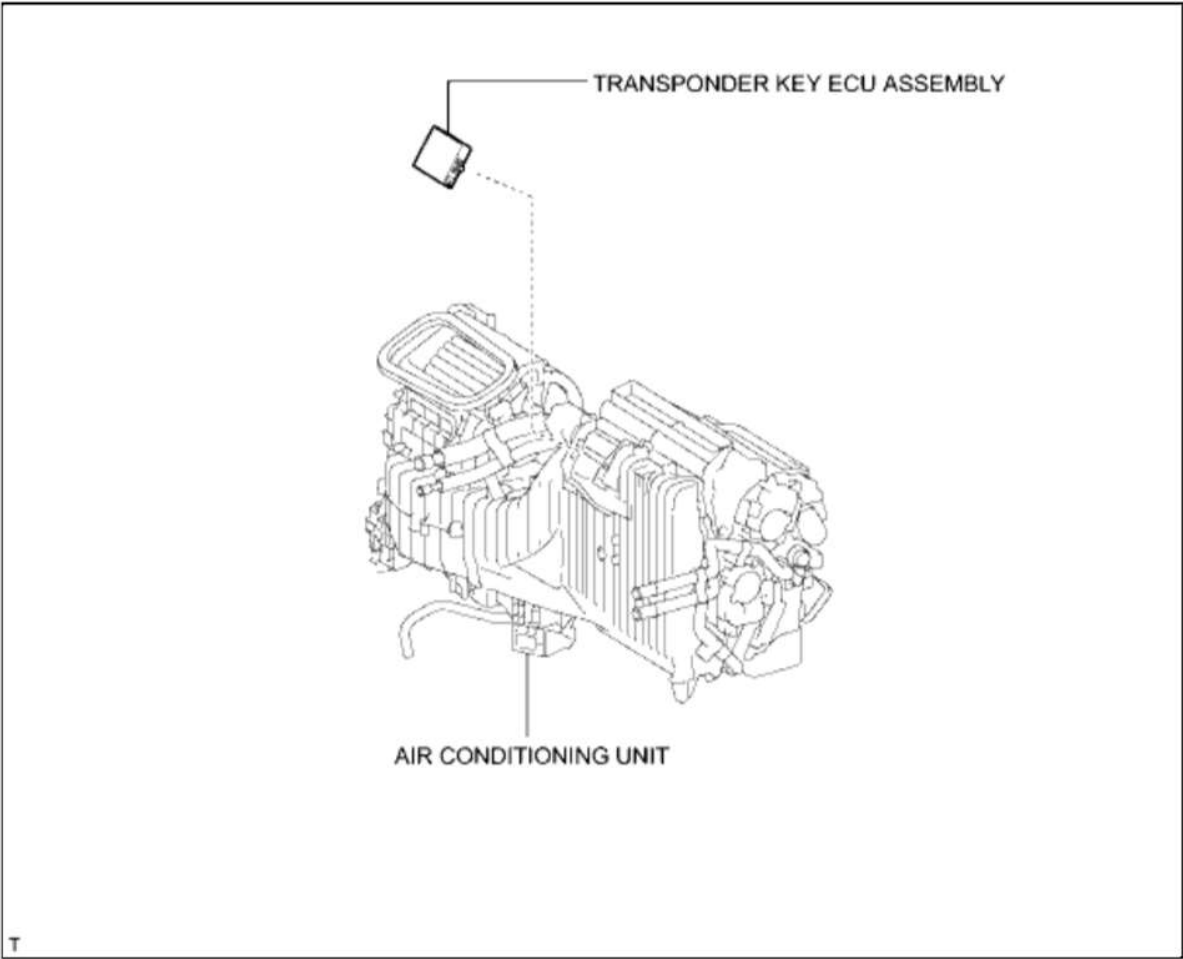


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Last Modified: 5-10-2010	6.4 K	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003BIF008X
Title: THEFT DETERRENT / KEYLESS ENTRY: TRANSPONDER KEY ECU: COMPONENTS (2010 4Runner)		

COMPONENTS

ILLUSTRATION



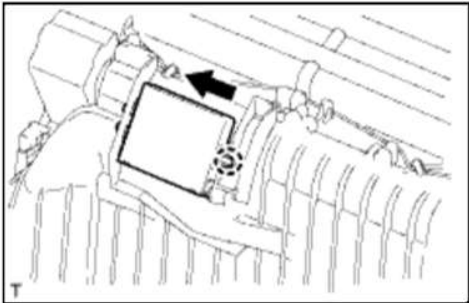
Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM0000047LU000X
Title: THEFT DETERRENT / KEYLESS ENTRY: TRANSPONDER KEY ECU: REMOVAL (2010 4Runner)		

REMOVAL

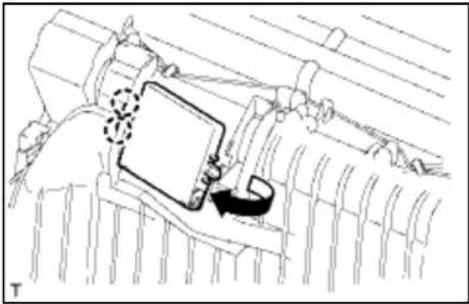
1. REMOVE INSTRUMENT PANEL REINFORCEMENT ASSEMBLY WITH AIR CONDITIONING UNIT ASSEMBLY

(a) Remove the air conditioning unit .

2. REMOVE TRANSPONDER KEY ECU ASSEMBLY



(a) Move the transponder key ECU in the direction of the arrow in the illustration to detach the claw.

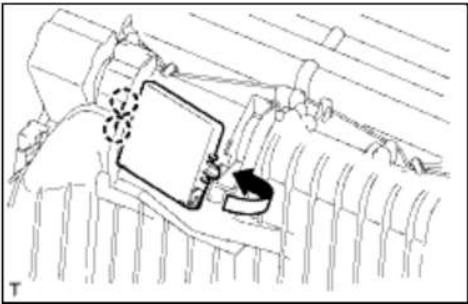


(b) Move the transponder key ECU in the direction of the arrow to detach the 2 claws and remove the transponder key ECU.

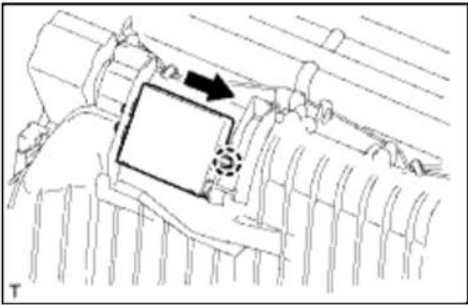
Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM0000047LT000X
Title: THEFT DETERRENT / KEYLESS ENTRY: TRANSPONDER KEY ECU: INSTALLATION (2010 4Runner)		

INSTALLATION

1. INSTALL TRANSPONDER KEY ECU ASSEMBLY



(a) Attach the 2 claws and move the transponder key ECU in the direction of the arrow.



(b) Move the transponder key ECU in the direction of the arrow to attach the claw and install the transponder key ECU.

2. INSTALL INSTRUMENT PANEL REINFORCEMENT ASSEMBLY WITH AIR CONDITIONING UNIT ASSEMBLY

(a) Install the air conditioning unit .

3. REGISTRATION ECU CODE

(a) Register the ECU code .

