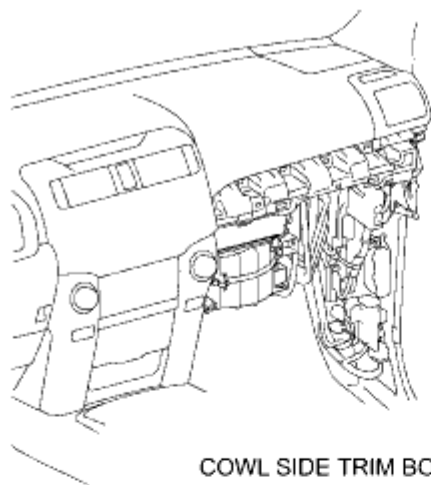


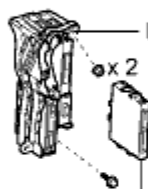
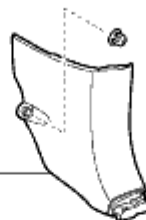
<b>Last Modified:</b> 5-10-2010	6.4 K	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000003BII007X
<b>Title:</b> THEFT DETERRENT / KEYLESS ENTRY: CERTIFICATION ECU: COMPONENTS (2010 4Runner)		

## [COMPONENTS](#)

## [ILLUSTRATION](#)

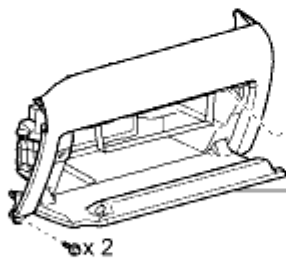


COWL SIDE TRIM BOARD RH

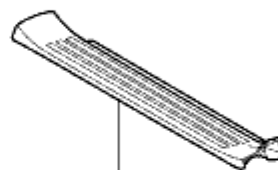


ECU INTEGRATION BOX RH

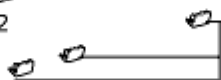
CERTIFICATION ECU



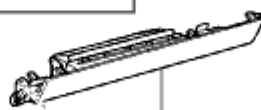
LOWER INSTRUMENT PANEL SUB-ASSEMBLY



DOOR SCUFF PLATE ASSEMBLY RH



INSTRUMENT PANEL BOX DOOR COVER



LOWER NO. 2 INSTRUMENT PANEL AIRBAG ASSEMBLY



NO. 2 AIR DUCT SUB-ASSEMBLY



LOWER INSTRUMENT COVER LH



NO. 2 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY

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

H

<b>Last Modified:</b> 5-10-2010	6.4 A	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000003BIJ007X
<b>Title:</b> 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 .

### 2. REMOVE DOOR SCUFF PLATE ASSEMBLY RH

### 3. REMOVE COWL SIDE TRIM BOARD RH

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

### 5. REMOVE LOWER INSTRUMENT COVER LH

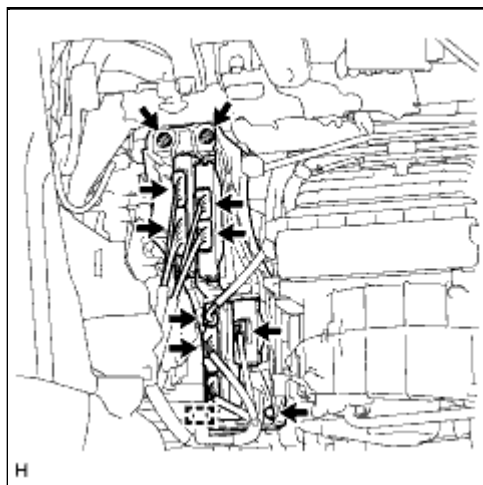
### 6. REMOVE LOWER NO. 2 INSTRUMENT PANEL AIRBAG ASSEMBLY

### 7. REMOVE INSTRUMENT PANEL BOX DOOR COVER

### 8. REMOVE LOWER INSTRUMENT PANEL SUB-ASSEMBLY

### 9. REMOVE NO. 2 AIR DUCT SUB-ASSEMBLY

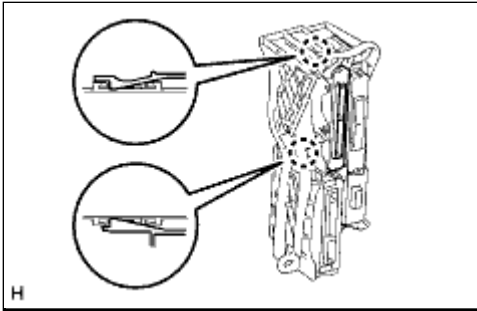
### 10. REMOVE ECU INTEGRATION BOX RH



(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.



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<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000003BIH007X
<b>Title:</b> 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 .

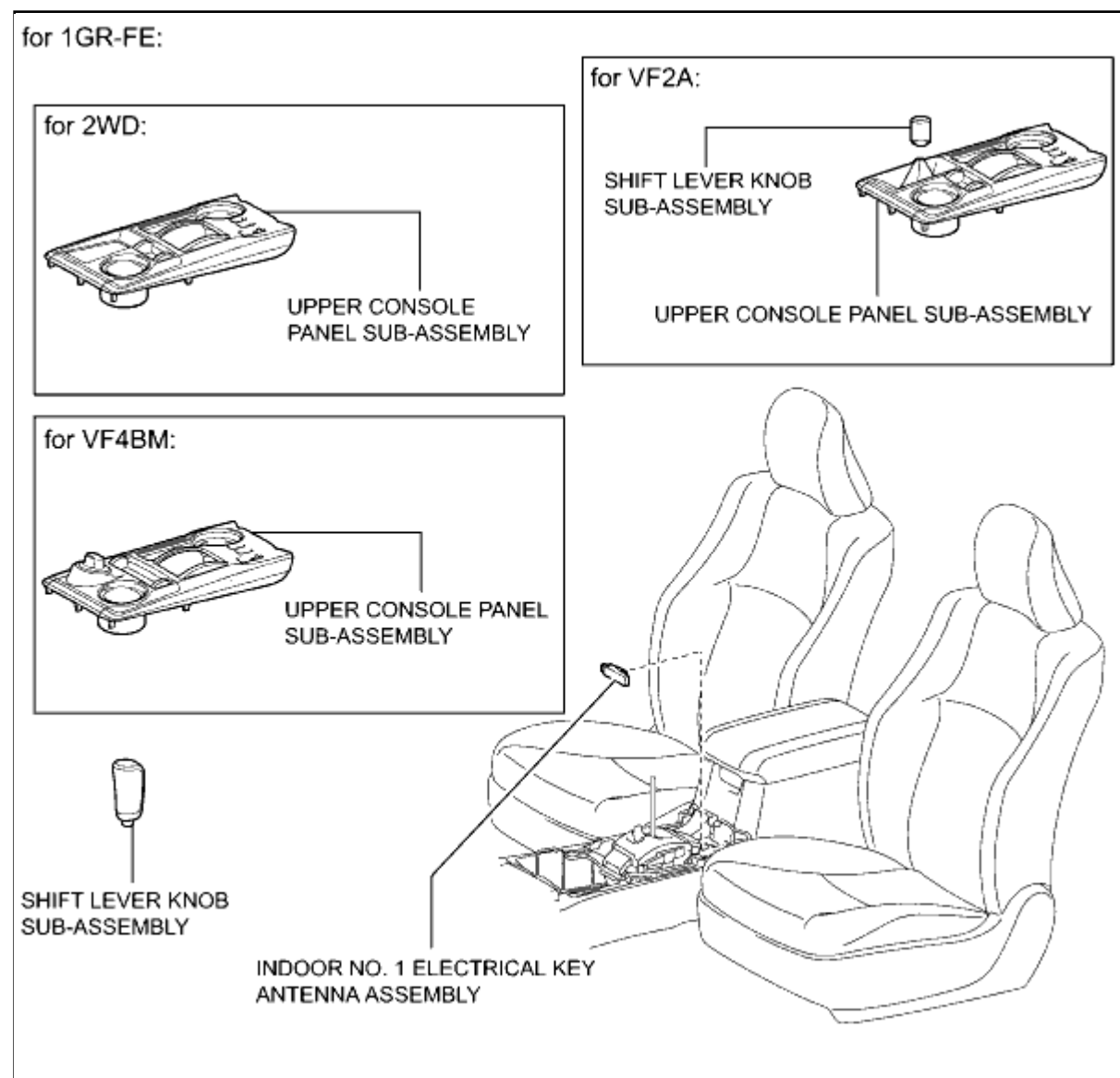
### 13. CHECK SRS WARNING LIGHT

- (a) Check the SRS warning light .

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

## COMPONENTS

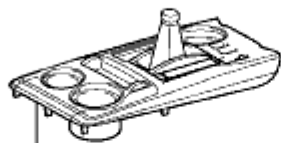
## ILLUSTRATION



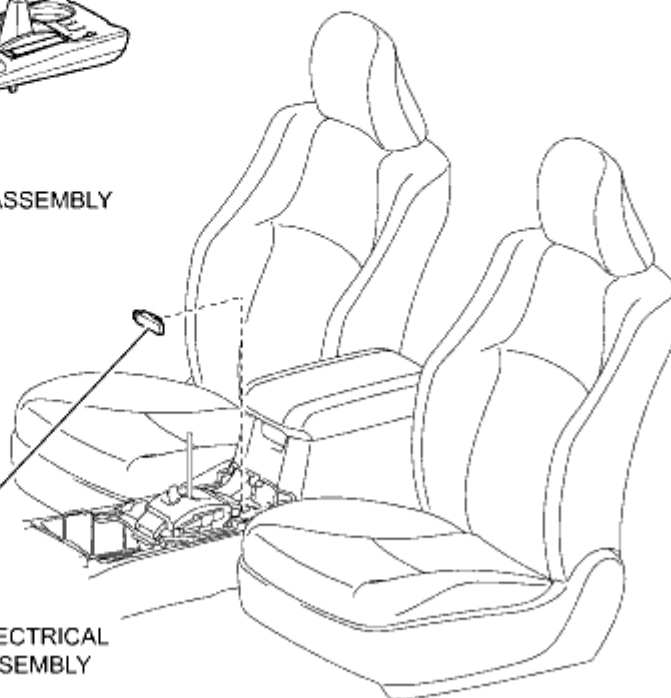
## ILLUSTRATION

for 2TR-FE:

SHIFT LEVER KNOB SUB-ASSEMBLY



UPPER CONSOLE PANEL SUB-ASSEMBLY



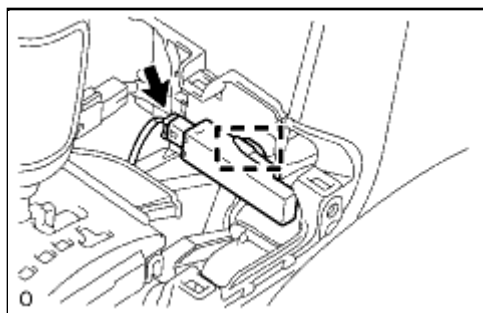
INDOOR NO. 1 ELECTRICAL  
KEY ANTENNA ASSEMBLY



<b>Last Modified:</b> 5-10-2010	6.4 A	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000002QFO00VX
<b>Title:</b> 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.

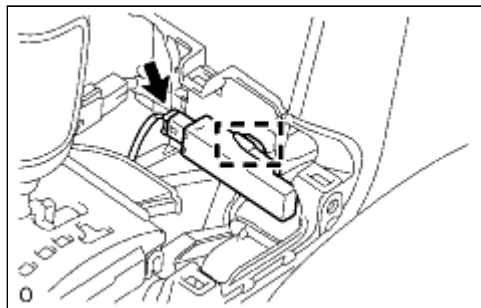
(b) Detach the clamp and remove the indoor No. 1 electrical key antenna.



<b>Last Modified:</b> 5-10-2010	6.4 A	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000002QFZ019X
<b>Title:</b> 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](#)

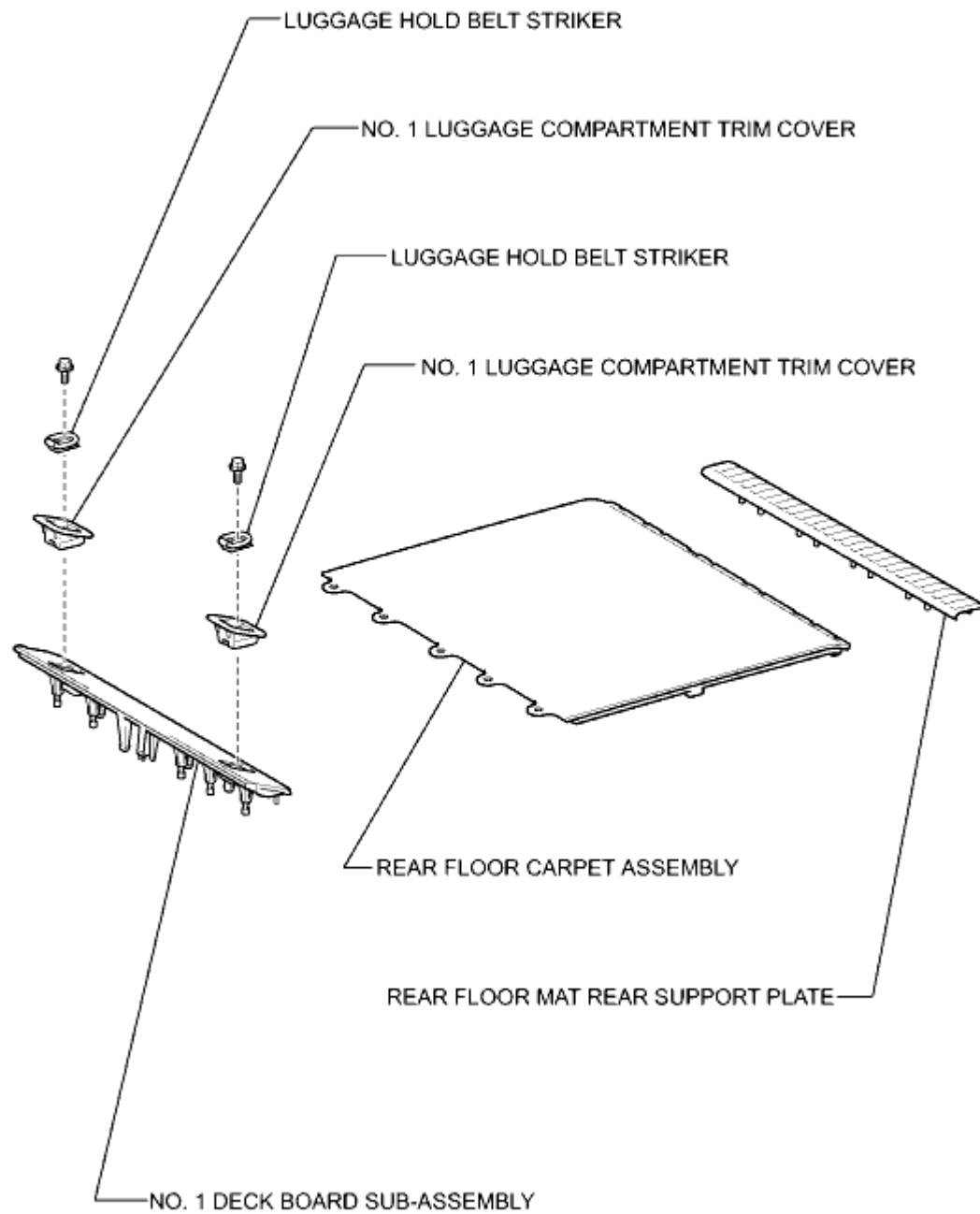
**6. INSTALL SHIFT LEVER KNOB SUB-ASSEMBLY (for 1GR-FE)** [INFO](#)

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

## **COMPONENTS**

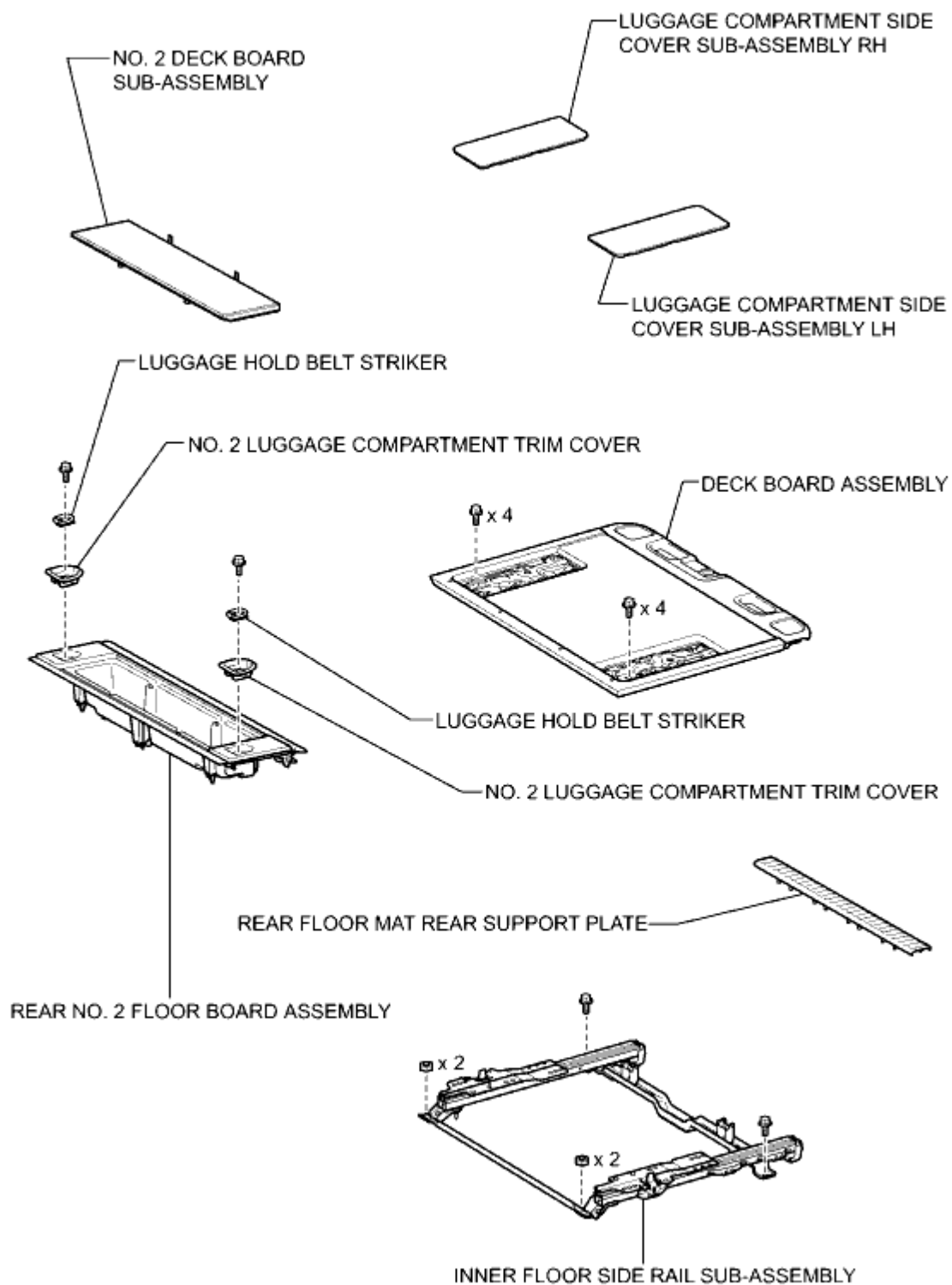
## **ILLUSTRATION**

w/o Deck Board:



## ILLUSTRATION

w/ Deck Board:

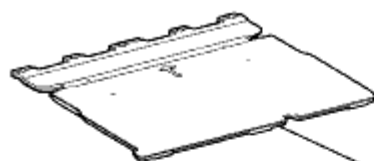


T

**ILLUSTRATION**

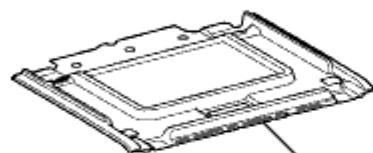
w/o Rear No. 2 Seat:

w/o Deck Board:

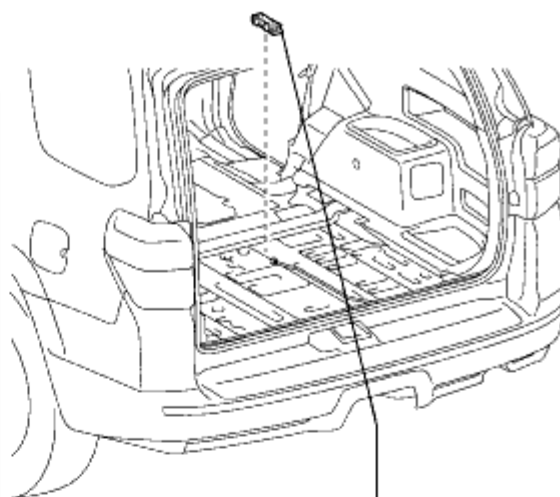


REAR FLOOR PAD

w/ Deck Board:

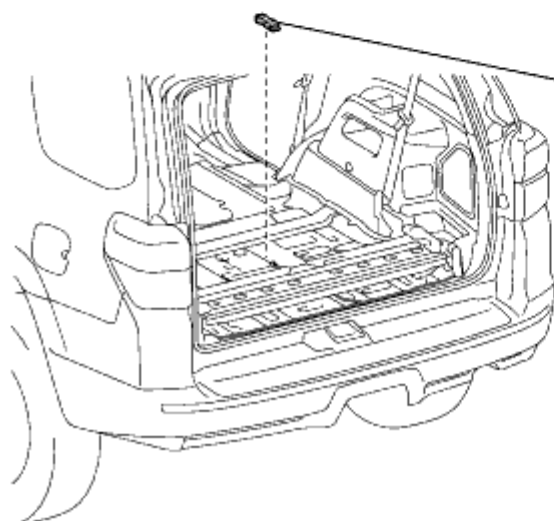


REAR FLOOR CARPET ASSEMBLY



INDOOR NO. 2 ELECTRICAL  
KEY ANTENNA ASSEMBLY

w/ Rear No. 2 Seat:




INDOOR NO. 2 ELECTRICAL  
KEY ANTENNA ASSEMBLY

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<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000002QFV00XX
<b>Title:</b> 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)**

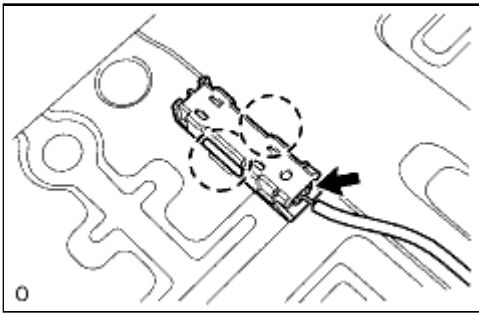
(a) Remove the rear floor pad.

### **15. REMOVE NO. 1 LUGGAGE COMPARTMENT TRIM COVER**



### **16. REMOVE INDOOR NO. 2 ELECTRICAL KEY ANTENNA ASSEMBLY**

(a) Disconnect the connector.



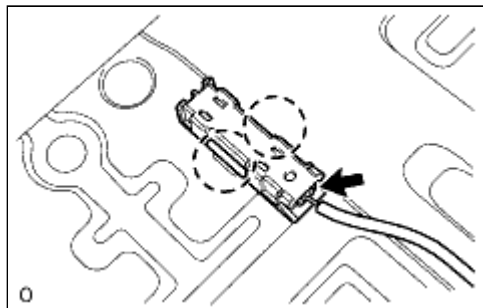
(b) Detach the 2 claws and remove the indoor No. 2 electrical key antenna.



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<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000002QFT00XX
<b>Title:</b> 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



### 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)



### 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



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



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



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



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



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



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



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





**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



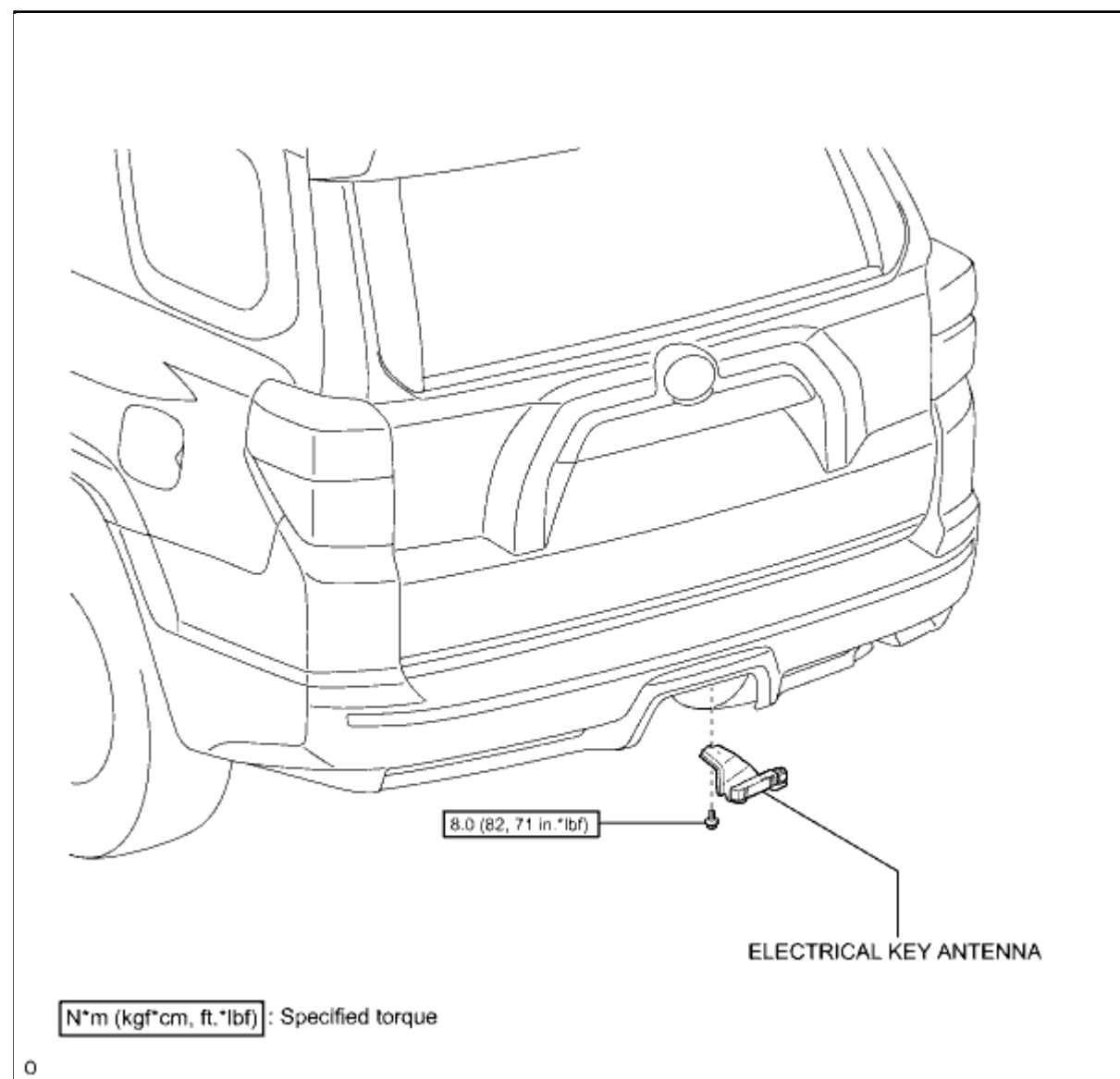
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<b>Last Modified:</b> 5-10-2010	6.4 K	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000002QFR00QX
<b>Title:</b> THEFT DETERRENT / KEYLESS ENTRY: ELECTRICAL KEY OSCILLATOR (for Outside Luggage Compartment): COMPONENTS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

## COMPONENTS

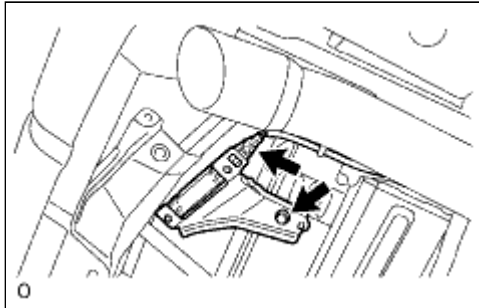
## ILLUSTRATION



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

## **REMOVAL**

### **1. REMOVE ELECTRICAL KEY ANTENNA**



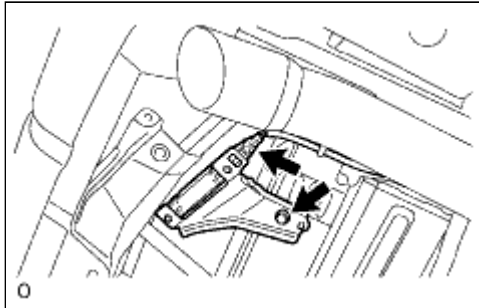
(a) Disconnect the connector.

(b) Remove the bolt and electrical key antenna.

<b>Last Modified:</b> 5-10-2010	6.4 A	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000002QFQ00TX
<b>Title:</b> 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.

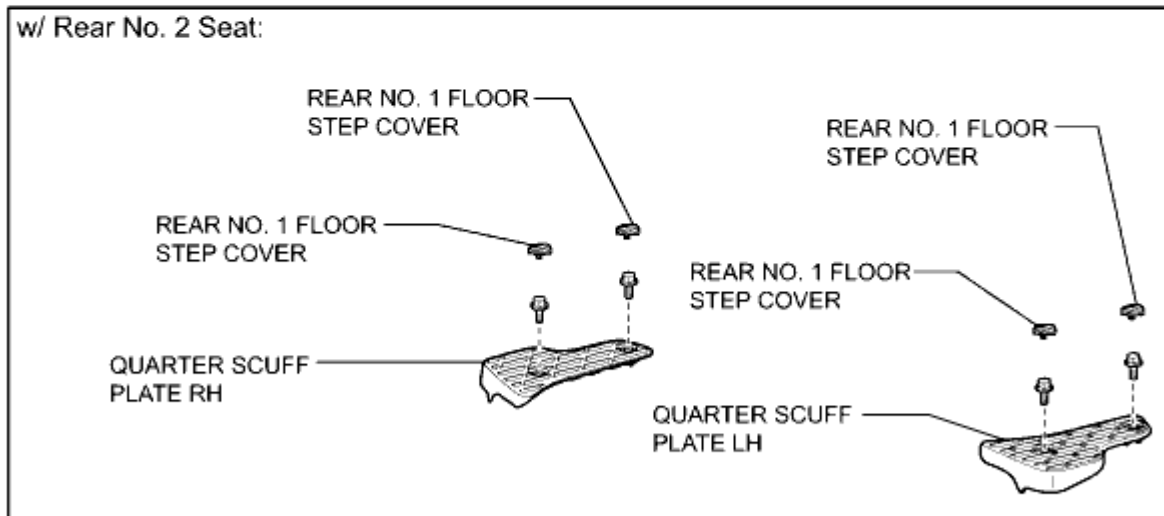
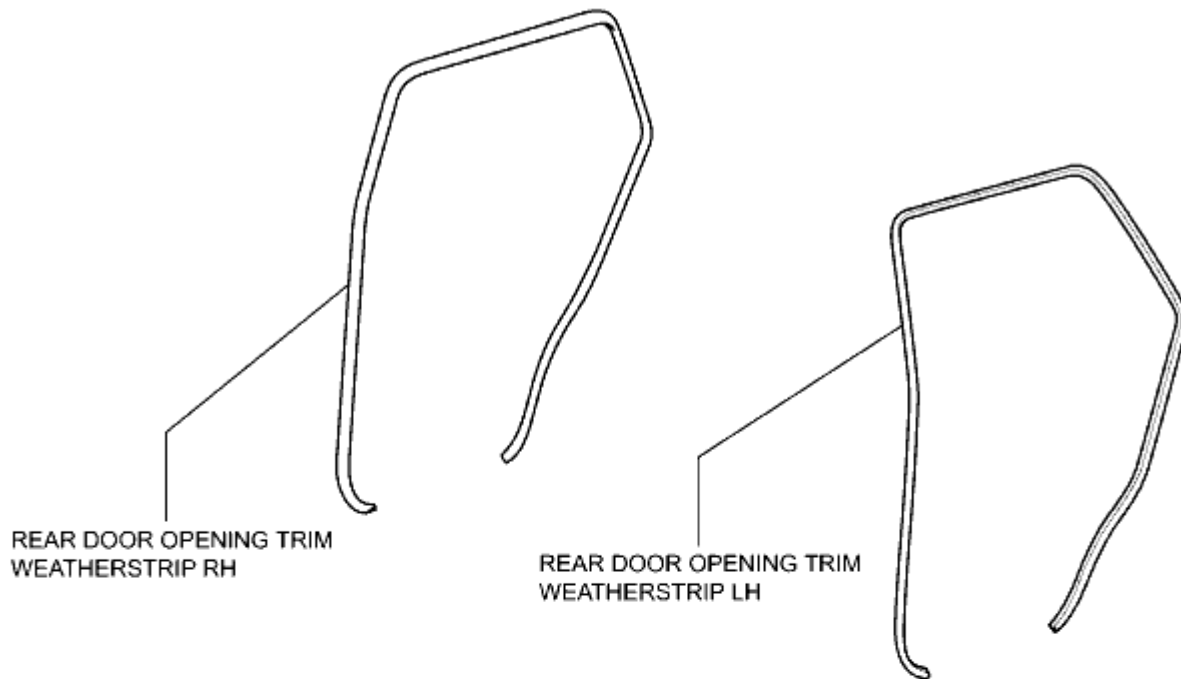


TOYOTA

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

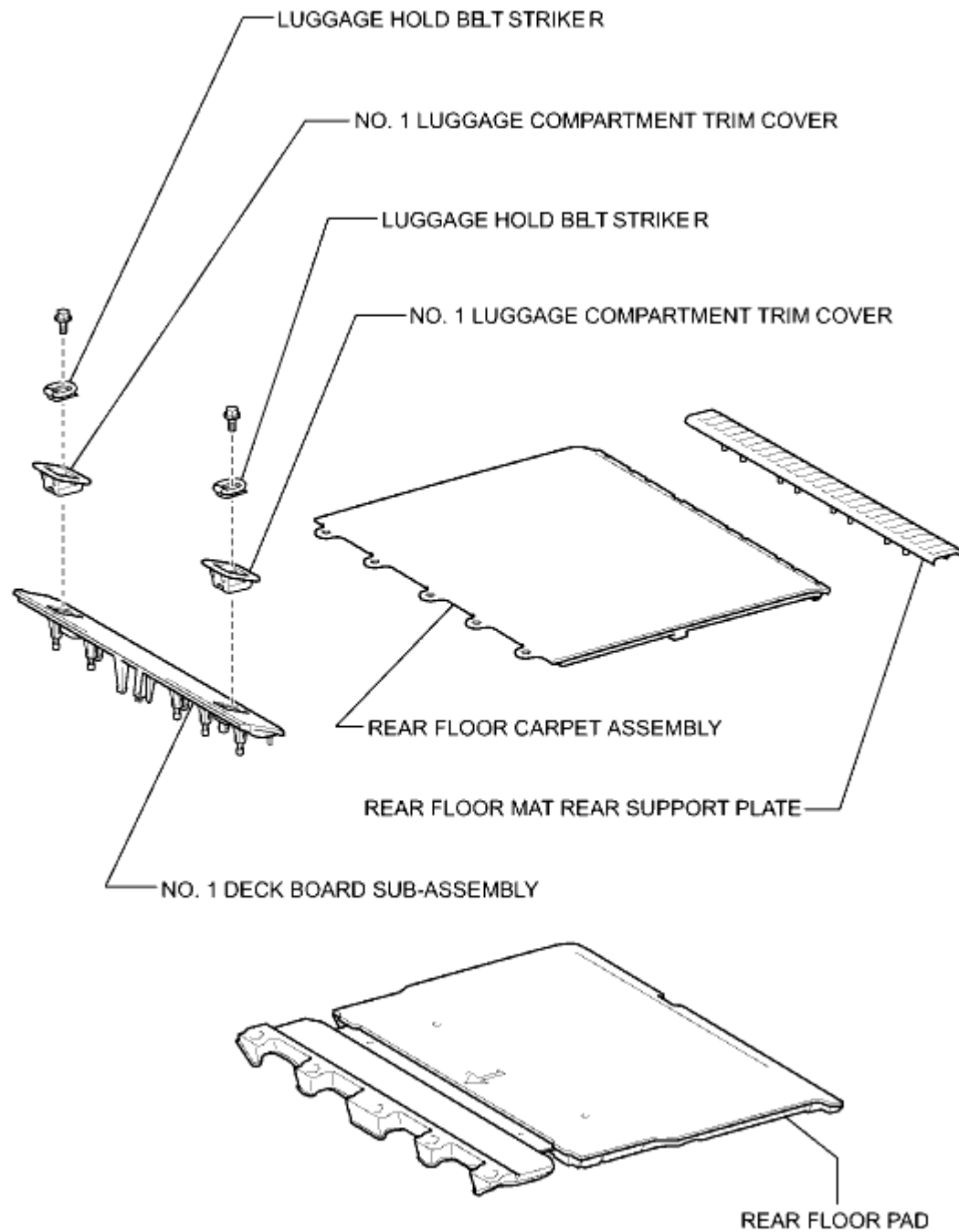
## [COMPONENTS](#)

## [ILLUSTRATION](#)



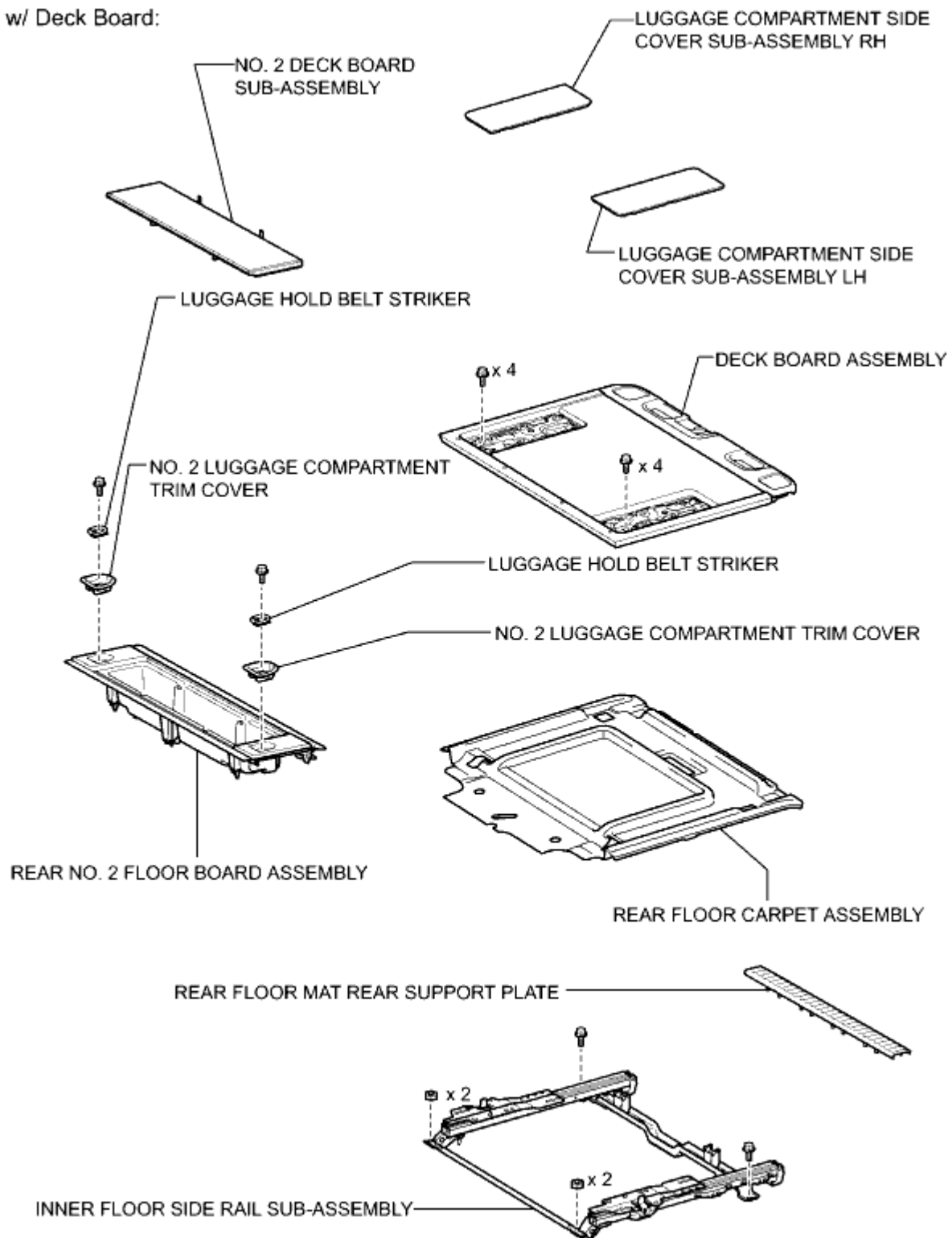
## ILLUSTRATION

w/o Deck Board:



**ILLUSTRATION**

w/ Deck Board:

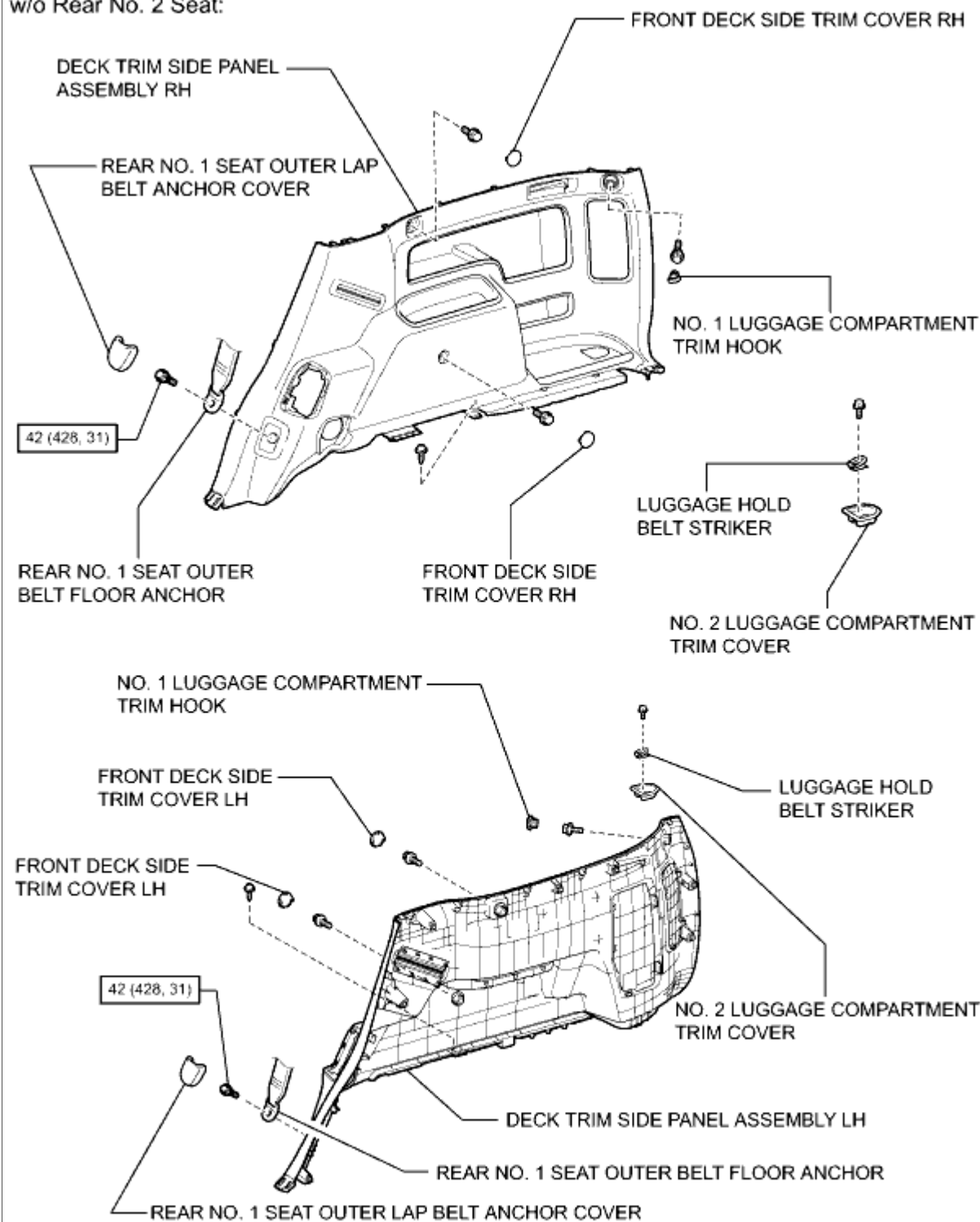


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## ILLUSTRATION



w/o Rear No. 2 Seat:

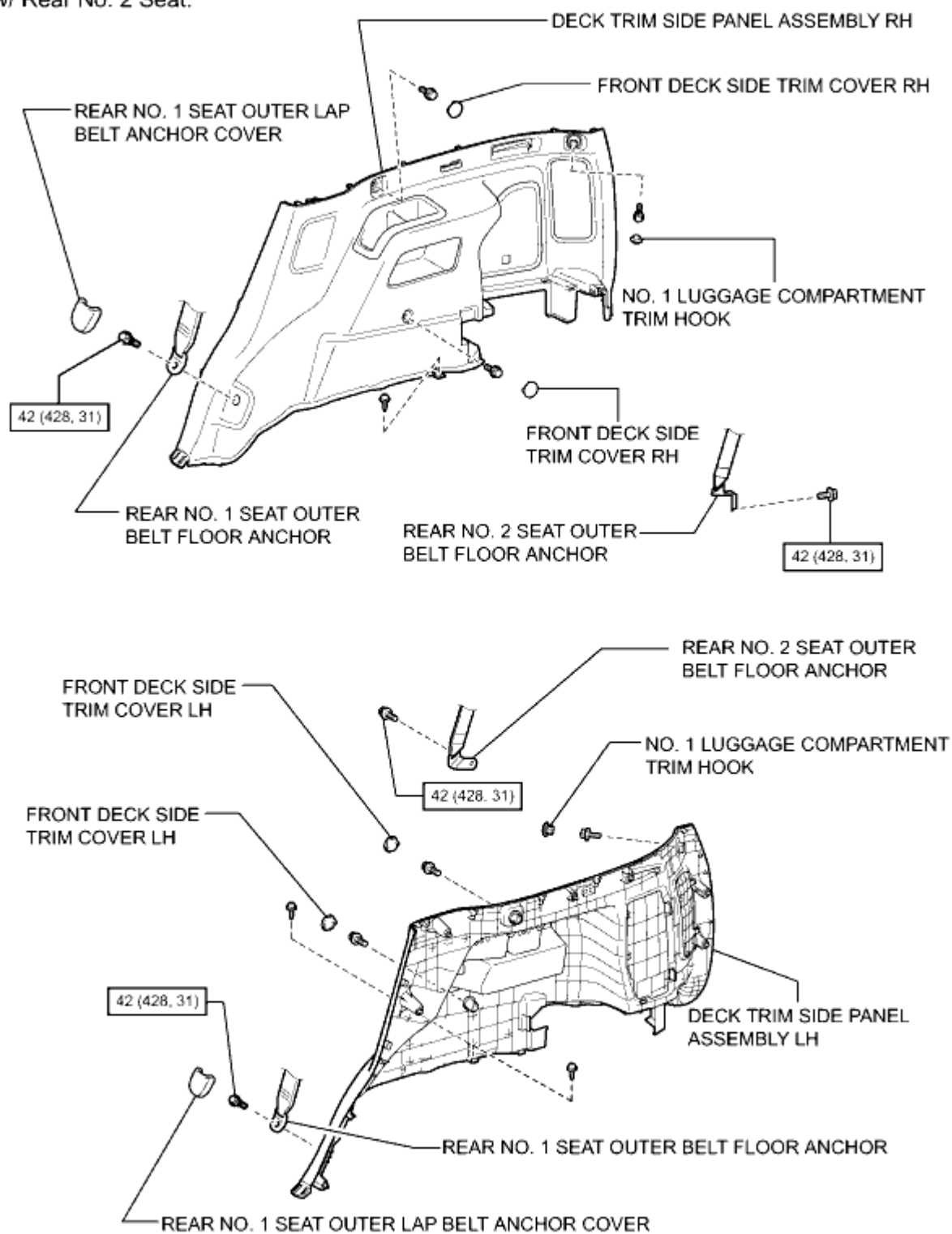


N\*m (kgf\*cm, ft.\*lbf) : Specified torque

T

## ILLUSTRATION

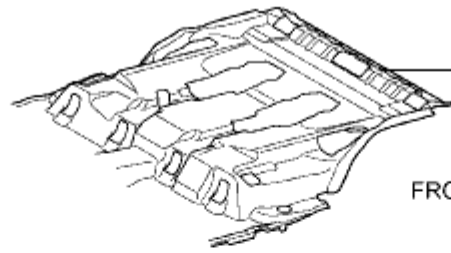
w/ Rear No. 2 Seat:



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

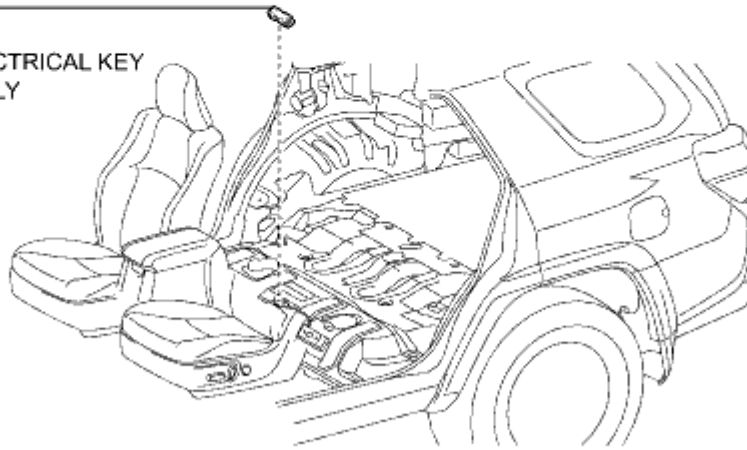
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## ILLUSTRATION



FRONT FLOOR CARPET ASSEMBLY

INDOOR NO. 2 ELECTRICAL KEY  
ANTENNA ASSEMBLY




TOYOTA

<b>Last Modified:</b> 5-10-2010	6.4 A	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000002QFV00WX
<b>Title:</b> 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



## 23. REMOVE NO. 1 LUGGAGE COMPARTMENT TRIM HOOK



## 24. REMOVE FRONT DECK SIDE TRIM COVER LH



## 25. REMOVE FRONT DECK SIDE TRIM COVER RH



## 26. REMOVE NO. 1 LUGGAGE COMPARTMENT TRIM COVER



## 27. REMOVE DECK TRIM SIDE PANEL ASSEMBLY LH

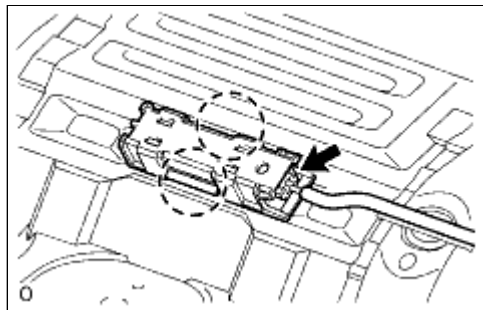


## 28. REMOVE DECK TRIM SIDE PANEL ASSEMBLY RH



## 29. REMOVE INDOOR NO. 2 ELECTRICAL KEY ANTENNA ASSEMBLY

(a) Fold back the front floor carpet assembly.



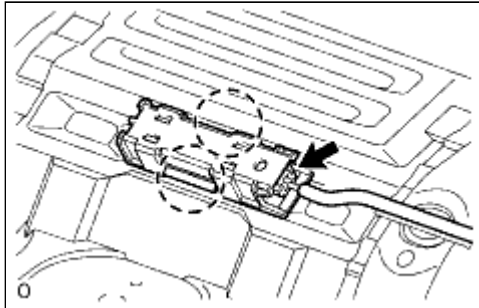
(b) Disconnect the connector.

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

<b>Last Modified:</b> 5-10-2010	6.4 A	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000002QFT00WX
<b>Title:</b> 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)**

INFO

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

INFO

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

INFO

**18. INSTALL NO. 2 DECK BOARD SUB-ASSEMBLY (w/o Deck Board)**

INFO

**19. INSTALL NO. 2 LUGGAGE COMPARTMENT TRIM COVER (w/ Deck Board, w/o Rear No. 2 Seat)**

INFO

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

INFO

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

INFO

**22. INSTALL REAR DOOR OPENING TRIM WEATHERSTRIP LH**

INFO

**23. INSTALL REAR DOOR OPENING TRIM WEATHERSTRIP RH**

INFO

**24. INSTALL REAR DOOR SCUFF PLATE LH**

INFO

**25. INSTALL REAR DOOR SCUFF PLATE RH**

INFO

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

INFO

**27. INSTALL QUARTER SCUFF PLATE RH (w/ Rear No. 2 Seat)**

INFO

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

INFO

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

(a) Install the rear No. 2 seat assembly

INFO

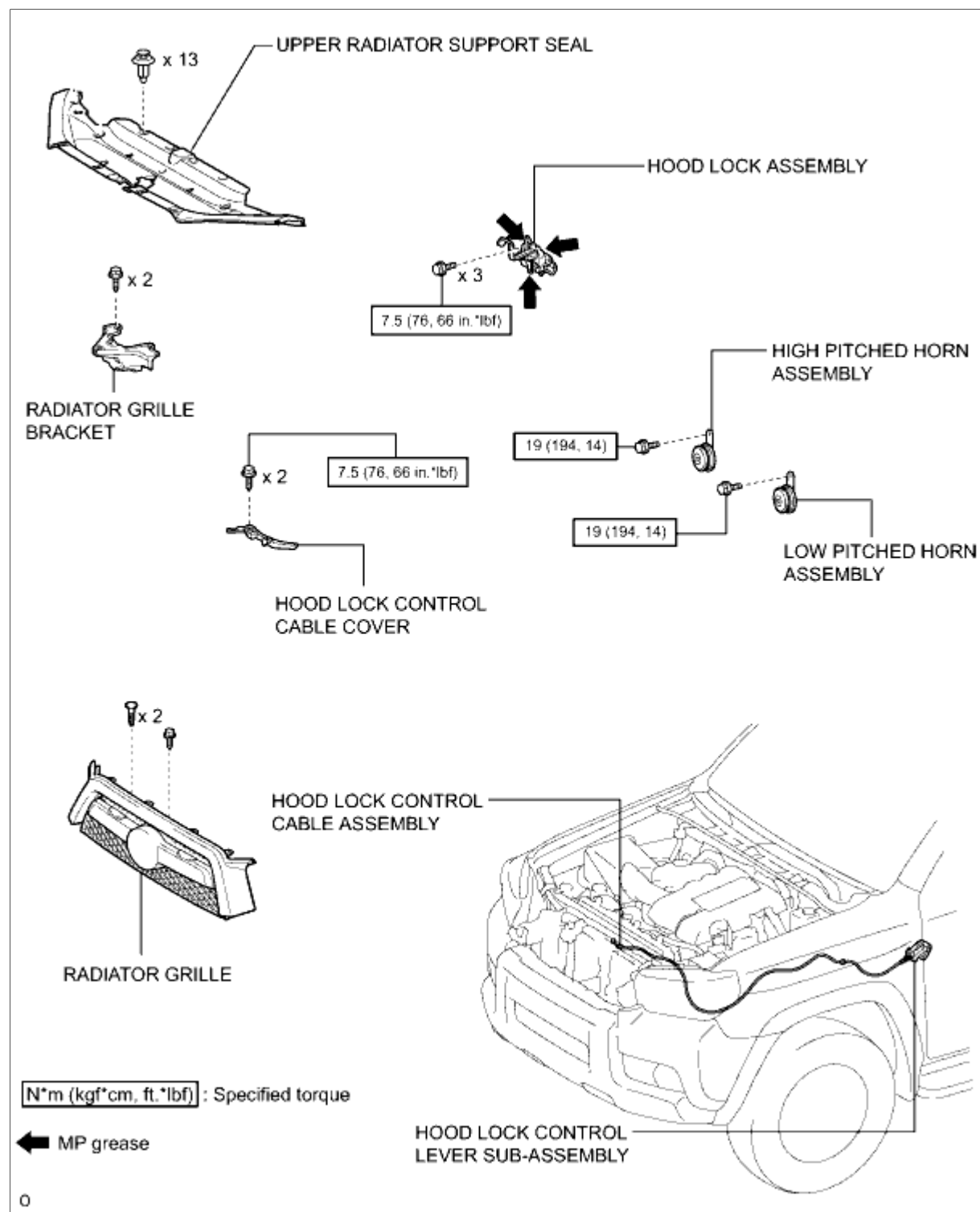


<b>Last Modified:</b> 5-10-2010	6.4 K	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM0000048JL000X
<b>Title:</b> THEFT DETERRENT / KEYLESS ENTRY: ENGINE HOOD COURTESY SWITCH: COMPONENTS (2010 4Runner)		

## **COMPONENTS**

## **ILLUSTRATION**





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

## **REMOVAL**

### **1. REMOVE UPPER RADIATOR SUPPORT SEAL**



### **2. REMOVE RADIATOR GRILLE**



### **3. REMOVE RADIATOR GRILLE BRACKET**



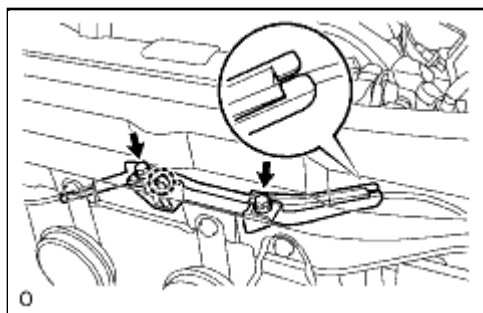
### **4. REMOVE LOW PITCHED HORN ASSEMBLY**



### **5. REMOVE HIGH PITCHED HORN ASSEMBLY**



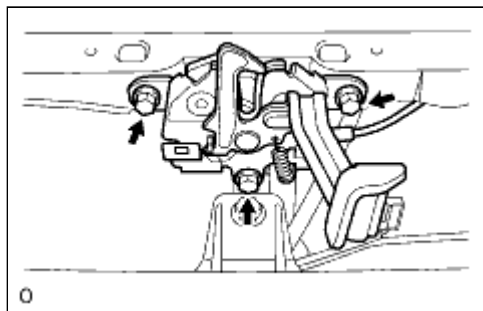
### **6. REMOVE HOOD LOCK CONTROL CABLE COVER**



(a) Remove the 2 screws.

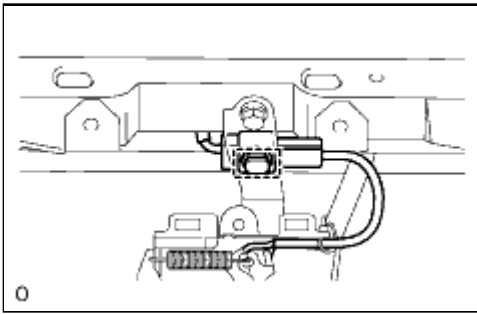
(b) Detach the claw and remove the hood lock control cable cover.

### **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.



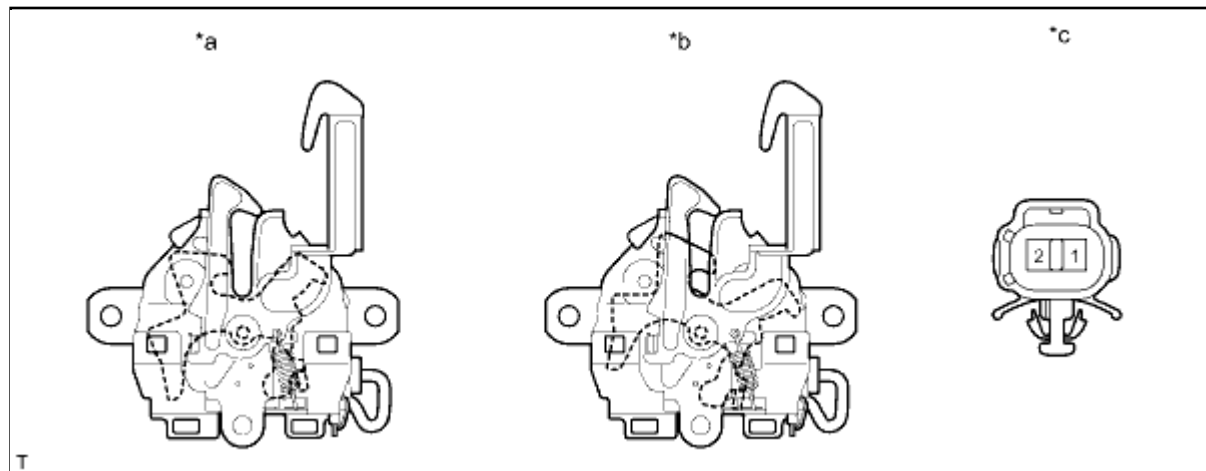
TOYOTA

<b>Last Modified:</b> 5-10-2010	6.4 G	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000002XR900AX
<b>Title:</b> 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 $\Omega$
1 - 2	Lock position	10 k $\Omega$ 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))	-	-

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

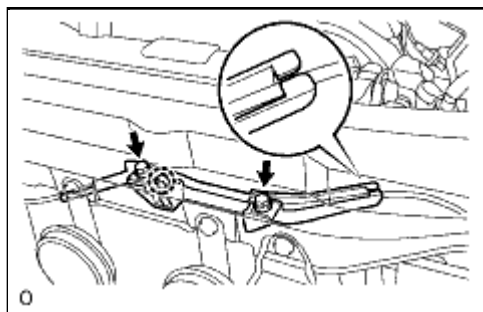
## INSTALLATION

### 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

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

**PRECAUTION**

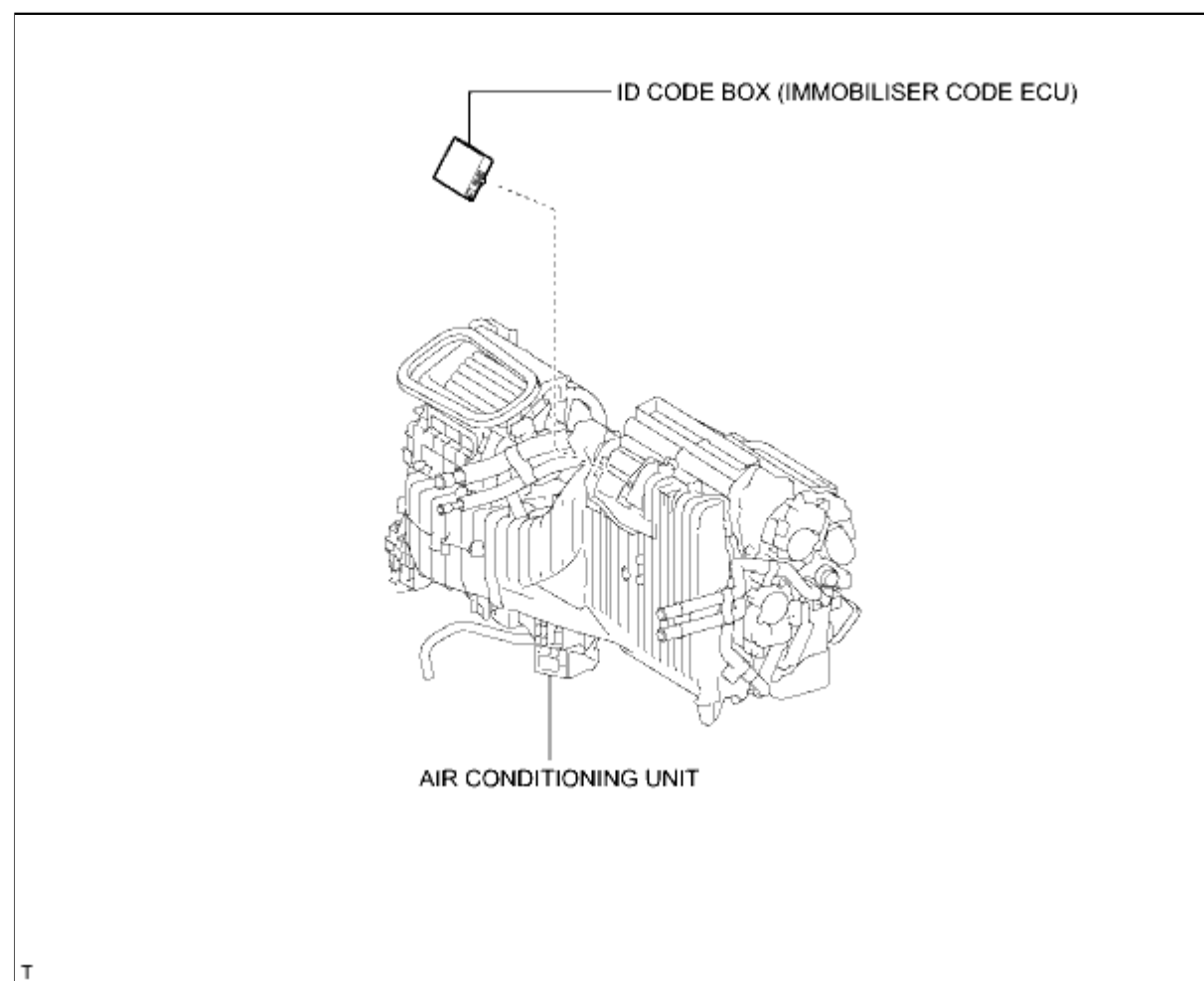
**1. PRECAUTION FOR VEHICLE WITH SRS AIRBAG AND SEAT BELT PRETENSIONER**

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

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

## COMPONENTS

## ILLUSTRATION



T

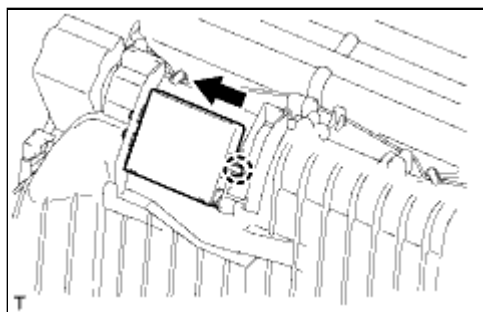
<b>Last Modified:</b> 5-10-2010	6.4 A	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000003BIG007X
<b>Title:</b> THEFT DETERRENT / KEYLESS ENTRY: ID CODE BOX: REMOVAL (2010 4Runner)		

## REMOVAL

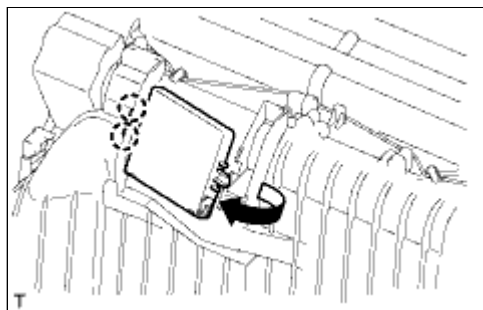
### 1. REMOVE INSTRUMENT PANEL REINFORCEMENT ASSEMBLY WITH AIR CONDITIONING UNIT ASSEMBLY

(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.



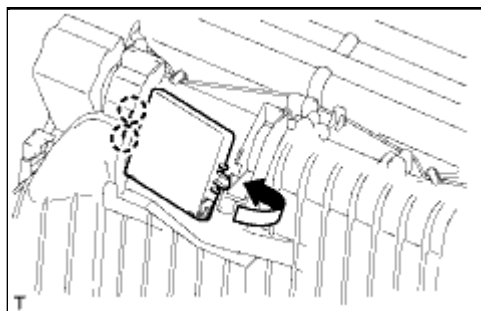
(b) Move the ID code box in the direction of the arrow to detach the 2 claws and remove the ID code box.



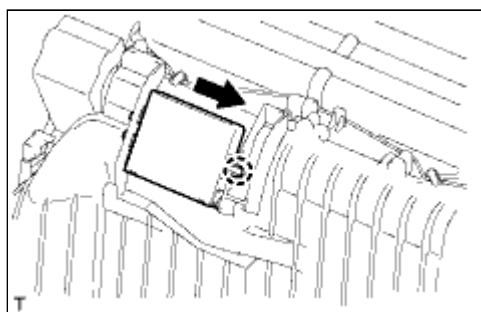
<b>Last Modified:</b> 5-10-2010	6.4 A	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000003BIE007X
<b>Title:</b> THEFT DETERRENT / KEYLESS ENTRY: ID CODE BOX: INSTALLATION (2010 4Runner)		

## **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 .

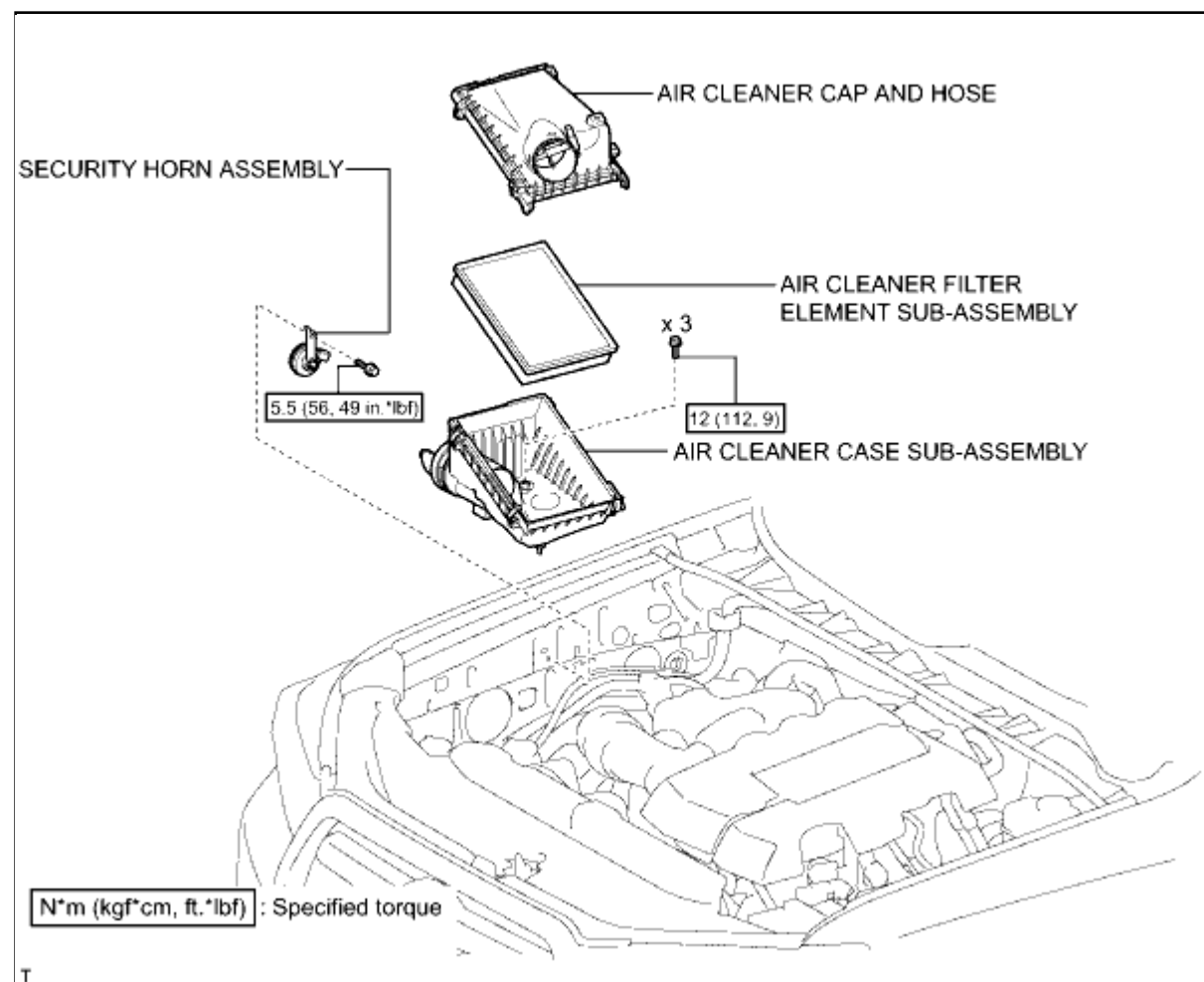
### **3. REGISTER ECU CODE**

(a) Register the ECU code .

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

## COMPONENTS

## ILLUSTRATION



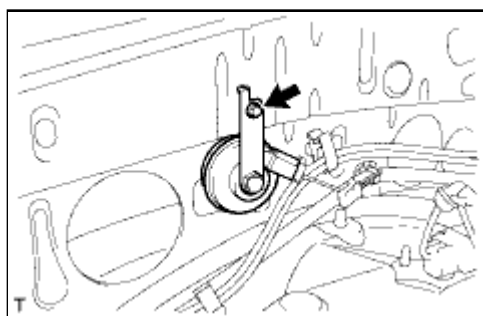
<b>Last Modified:</b> 5-10-2010	6.4 A	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000002PLR00PX
<b>Title:</b> THEFT DETERRENT / KEYLESS ENTRY: SECURITY HORN ASSEMBLY: REMOVAL (2010 4Runner)		

## **REMOVAL**

**1. REMOVE AIR CLEANER CAP AND HOSE** 

**2. REMOVE AIR CLEANER CASE SUB-ASSEMBLY** 

**3. REMOVE SECURITY HORN ASSEMBLY**



(a) Disconnect the connector.

(b) Remove the bolt and horn.

<b>Last Modified:</b> 5-10-2010	6.4 G	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000001308010X
<b>Title:</b> 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.



<b>Last Modified:</b> 5-10-2010	6.4 A	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000002PLP00PX
<b>Title:</b> 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



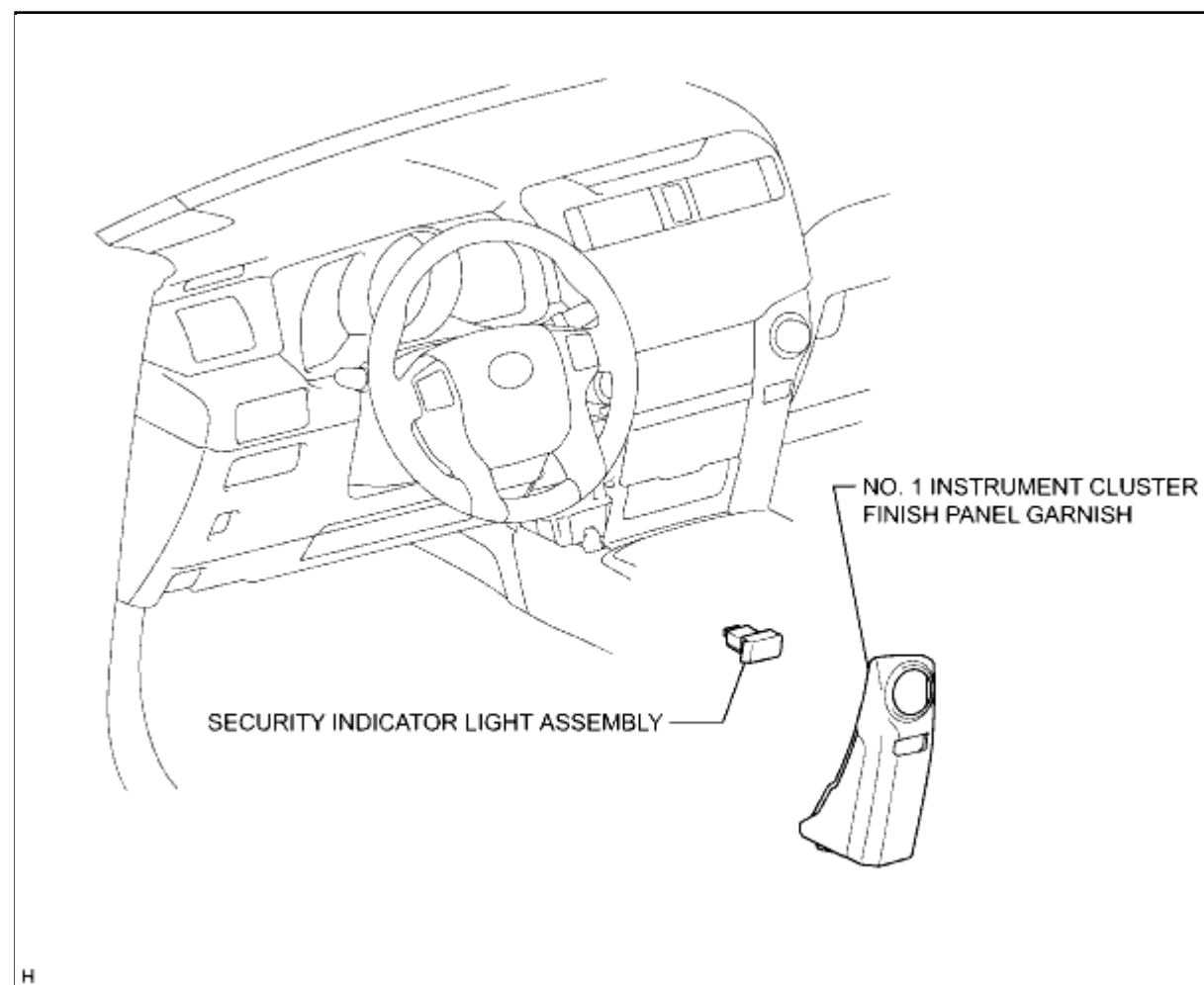
### 3. INSTALL AIR CLEANER CAP AND HOSE



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

## COMPONENTS

## ILLUSTRATION



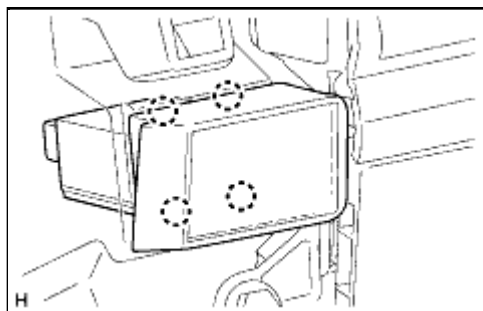
<b>Last Modified:</b> 5-10-2010	6.4 A	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM00000475J001X
<b>Title:</b> THEFT DETERRENT / KEYLESS ENTRY: SECURITY INDICATOR LIGHT ASSEMBLY: REMOVAL (2010 4Runner)		

## 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.

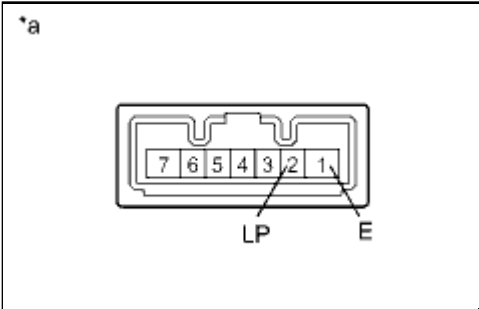
<b>Last Modified:</b> 5-10-2010	6.4 G	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM00000475H001X
<b>Title:</b> THEFT DETERRENT / KEYLESS ENTRY: SECURITY INDICATOR LIGHT ASSEMBLY: INSPECTION (2010 4Runner)		

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)	Security indicator light illuminates
Battery negative (-) → 1 (E)	

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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<b>Last Modified:</b> 5-10-2010	6.4 A	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM00000475G001X
<b>Title:</b> 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.

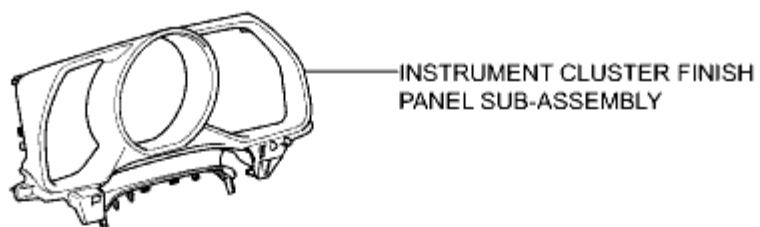
### **2. INSTALL NO. 1 INSTRUMENT CLUSTER FINISH PANEL GARNISH**



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

## **COMPONENTS**

## **ILLUSTRATION**



INSTRUMENT CLUSTER FINISH  
PANEL SUB-ASSEMBLY



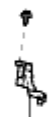
NO. 2 SWITCH HOLE BASE



LOWER INSTRUMENT PANEL FINISH PANEL ASSEMBLY



UPPER STEERING COLUMN COVER



COVER



LOWER STEERING COLUMN COVER

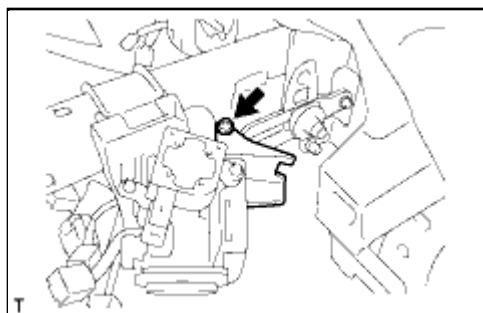


TRANSPONDER KEY AMPLIFIER

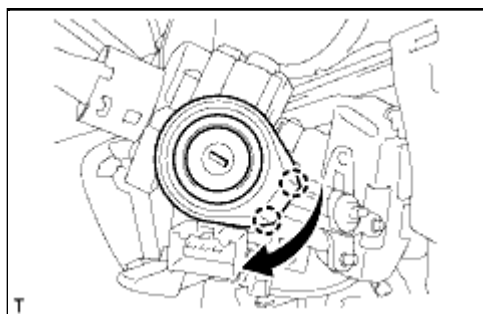
<b>Last Modified:</b> 5-10-2010	6.4 A	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000003YO1003X
<b>Title:</b> THEFT DETERRENT / KEYLESS ENTRY: TRANSPONDER KEY AMPLIFIER: REMOVAL (2010 4Runner)		

## 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.



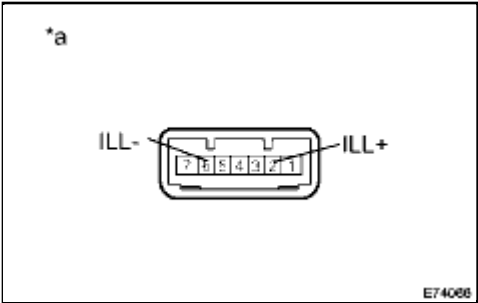
<b>Last Modified:</b> 5-10-2010	6.4 G	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000003YNZ003X
<b>Title:</b> THEFT DETERRENT / KEYLESS ENTRY: TRANSPONDER KEY AMPLIFIER: INSPECTION (2010 4Runner)		

## 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+)	LED illuminates
Battery negative (-) → Terminal 6 (ILL-)	

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

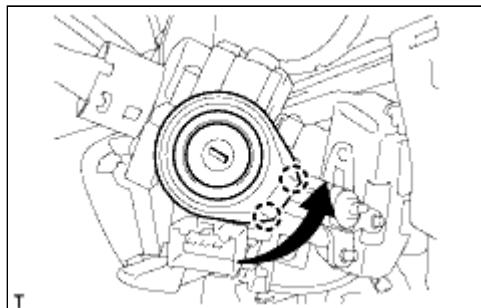
### Text in Illustration

* a	Component without harness connected (Transponder Key Amplifier)
-----	--

<b>Last Modified:</b> 5-10-2010	6.4 A	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM000003YNY003X
<b>Title:</b> 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](#)

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

## **PRECAUTION**

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

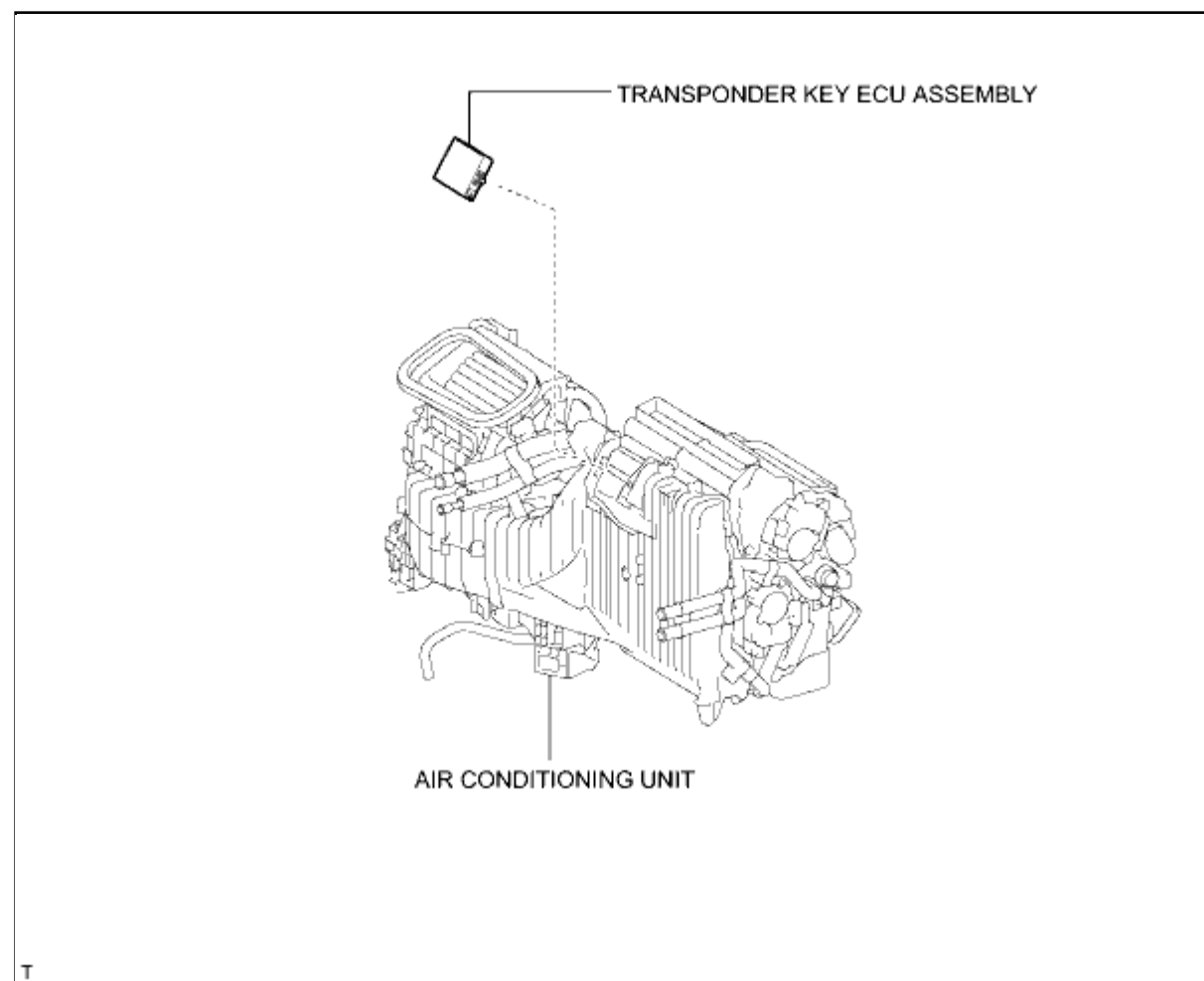
(a) Some operations in this section may affect the SRS airbags. Prior to performing the corresponding operations, read the SRS airbag Precaution  .



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

## COMPONENTS

## ILLUSTRATION




T



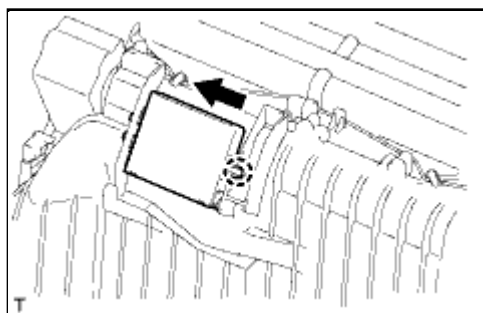
<b>Last Modified:</b> 5-10-2010	6.4 A	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM0000047LU000X
<b>Title:</b> THEFT DETERRENT / KEYLESS ENTRY: TRANSPONDER KEY ECU: REMOVAL (2010 4Runner)		

## REMOVAL

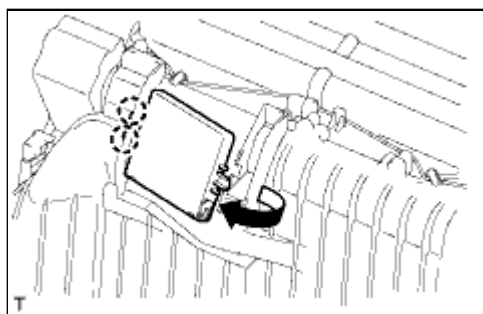
### 1. REMOVE INSTRUMENT PANEL REINFORCEMENT ASSEMBLY WITH AIR CONDITIONING UNIT ASSEMBLY

(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.

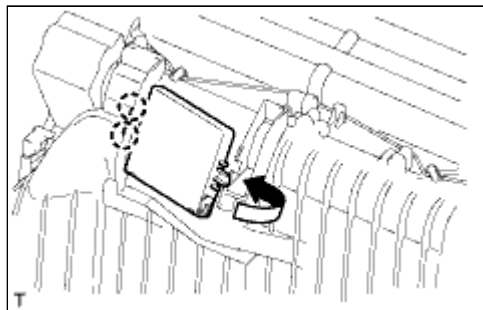


(b) Move the transponder key ECU in the direction of the arrow to detach the 2 claws and remove the transponder key ECU.

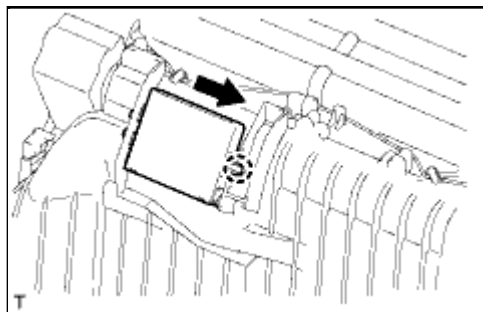
<b>Last Modified:</b> 5-10-2010	6.4 A	<b>From:</b> 200908
<b>Model Year:</b> 2010	<b>Model:</b> 4Runner	<b>Doc ID:</b> RM0000047LT000X
<b>Title:</b> THEFT DETERRENT / KEYLESS ENTRY: TRANSPONDER KEY ECU: INSTALLATION (2010 4Runner)		

## **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 .