COMPONENTS

ILLUSTRATION

FRONT DOOR COURTESY
LIGHT SWITCH ASSEMBLY

REMOVAL

HINT:

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

1. REMOVE FRONT DOOR COURTESY LIGHT SWITCH ASSEMBLY

(a) Using a T30 "TORX" socket wrench, remove the screw and courtesy light switch.
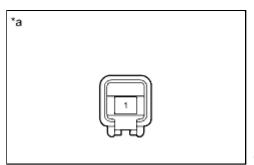
(b) Disconnect the connector.

INSPECTION

1. INSPECT FRONT DOOR COURTESY LIGHT SWITCH ASSEMBLY

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

Standard Resistance:

TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION
1 - Switch body	Pin not pushed	Below 1 Ω
	Pin pushed	10 kΩ or higher

If the result is not as specified, replace the front door courtesy light switch assembly.

Text in Illustration

*a	Component without harness connected (Front Door Courtesy Light Switch Assembly)

TOYOTA

Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003YNB003X
Title: LIGHTING (INT): FRONT DOOR COURTESY SWITCH: INSTALLATION (2010 4Runner)		

INSTALLATION

HINT:

- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.
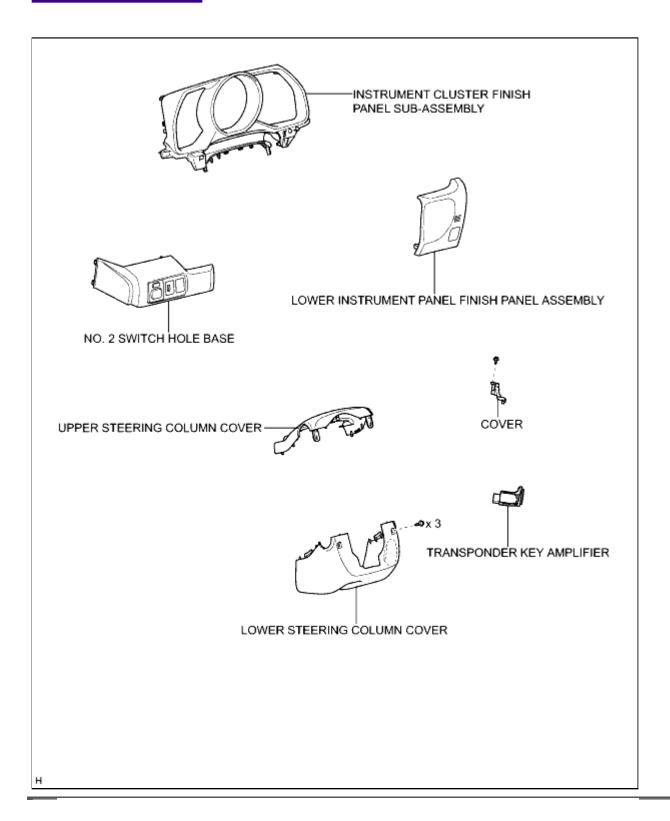
1. INSTALL FRONT DOOR COURTESY LIGHT SWITCH ASSEMBLY

(a) Connect the connector.

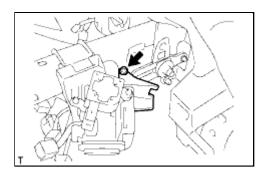(b) Using a T30 "TORX" socket wrench, install the courtesy light switch with the screw.

COMPONENTS

ILLUSTRATION

INSTRUMENT CLUSTER FINISH PANEL SUB-ASSEMBLY

LOWER INSTRUMENT PANEL FINISH PANEL ASSEMBLY

NO. 2 SWITCH HOLE BASE

COVER

UPPER STEERING COLUMN COVER

x 3

TRANSPONDER KEY AMPLIFIER

LOWER STEERING COLUMN COVER

REMOVAL
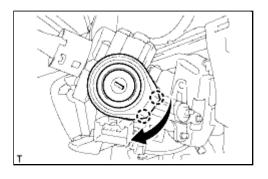
1. REMOVE NO. 2 SWITCH HOLE BASE `INFO`

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.
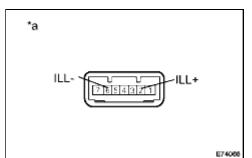
(c) Disconnect the connector.

INSPECTION

1. INSPECT TRANSPONDER KEY AMPLIFIER

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

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.
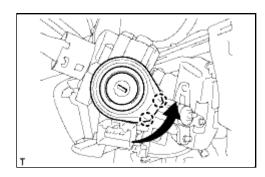
Text in Illustration

*a	Component without harness connected (Transponder Key Amplifier)

INSTALLATION

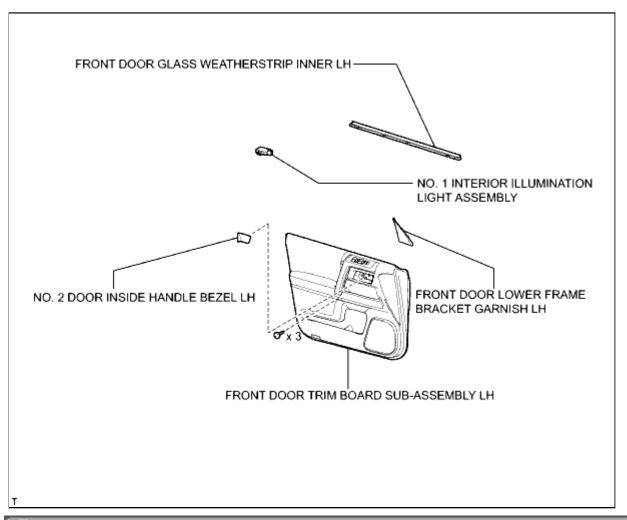### 1. INSTALL TRANSPONDER KEY AMPLIFIER

(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`

COMPONENTS

ILLUSTRATION

REMOVAL

HINT:

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

1. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH LH `INFO`

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

3. REMOVE FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH `INFO`

4. REMOVE FRONT DOOR GLASS WEATHERSTRIP INNER LH `INFO`

5. REMOVE NO. 1 INTERIOR ILLUMINATION LIGHT ASSEMBLY

(a) Using a screwdriver, detach the claw and remove the light.

HINT:

Tape the screwdriver tip before use.

Text in Illustration

*1	Protective Tape

(b) Disconnect the connector.

INSPECTION

1. INSPECT NO. 1 INTERIOR ILLUMINATION LIGHT ASSEMBLY

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

OK:

MEASUREMENT CONDITION	SPECIFIED CONDITION
Battery positive (+) → Terminal 2 (+B) Battery negative (-) → Terminal 1 (GND)	LED illuminates

If the result is not as specified, replace the No. 1 interior illumination light assembly.

Text in Illustration

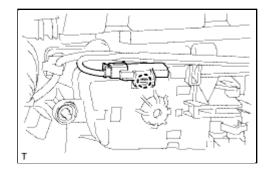| *a	Component without harness connected (No. 1 Interior Illumination Light Assembly)

INSTALLATION

HINT:

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

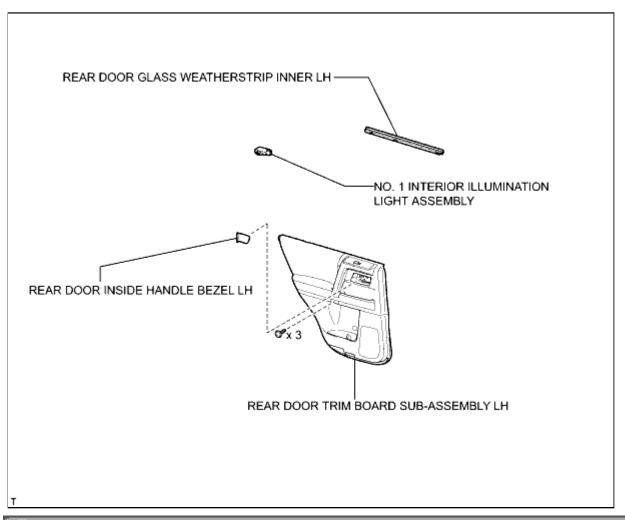## 1. INSTALL NO. 1 INTERIOR ILLUMINATION LIGHT ASSEMBLY

(a) Connect the connector.

(b) Attach the claw to install the light.

2. INSTALL FRONT DOOR GLASS WEATHERSTRIP INNER LH [INFO]

3. INSTALL FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH [INFO]

4. INSTALL NO. 2 DOOR INSIDE HANDLE BEZEL LH [INFO]

5. INSTALL FRONT DOOR LOWER FRAME BRACKET GARNISH LH [INFO]

TOYOTA

COMPONENTS

ILLUSTRATION

REAR DOOR GLASS WEATHERSTRIP INNER LH

NO. 1 INTERIOR ILLUMINATION LIGHT ASSEMBLY

REAR DOOR INSIDE HANDLE BEZEL LH

x 3

REAR DOOR TRIM BOARD SUB-ASSEMBLY LH

REMOVAL

HINT:

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

1. REMOVE REAR DOOR INSIDE HANDLE BEZEL LH `INFO`

2. REMOVE REAR DOOR TRIM BOARD SUB-ASSEMBLY LH `INFO`

3. REMOVE REAR DOOR GLASS WEATHERSTRIP INNER LH `INFO`

4. REMOVE NO. 1 INTERIOR ILLUMINATION LIGHT ASSEMBLY

(a) Using a screwdriver, detach the claw and remove the light.

HINT:

Tape the screwdriver tip before use.

Text in Illustration

*1	Protective Tape

(b) Disconnect the connector.

INSPECTION

1. INSPECT NO. 1 INTERIOR ILLUMINATION LIGHT ASSEMBLY

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

OK:

*a

MEASUREMENT CONDITION	SPECIFIED CONDITION
Battery positive (+) → Terminal 2 (+B) Battery negative (-) → Terminal 1 (GND)	LED illuminates

If the result is not as specified, replace the No. 1 interior illumination light assembly.

Text in Illustration

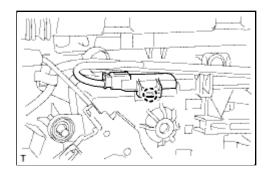| *a	Component without harness connected (No. 1 Interior Illumination Light Assembly)

INSTALLATION

HINT:

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

1. INSTALL NO. 1 INTERIOR ILLUMINATION LIGHT ASSEMBLY

(a) Connect the connector.

(b) Attach the claw to install the light.

2. INSTALL REAR DOOR GLASS WEATHERSTRIP INNER LH INFO

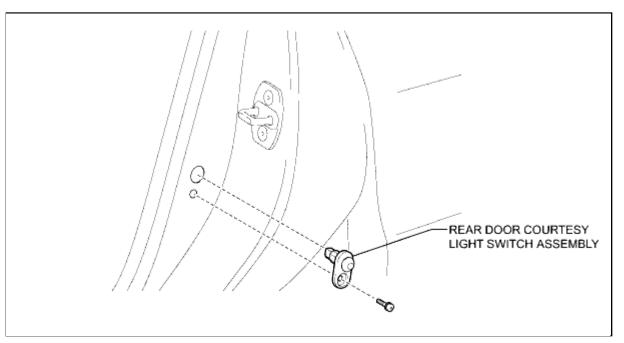## 3. INSTALL REAR DOOR TRIM BOARD SUB-ASSEMBLY LH INFO

4. INSTALL REAR DOOR INSIDE HANDLE BEZEL LH INFO

COMPONENTS

ILLUSTRATION

REAR DOOR COURTESY LIGHT SWITCH ASSEMBLY

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REMOVAL

HINT:

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

1. REMOVE REAR DOOR COURTESY LIGHT SWITCH ASSEMBLY

(a) Using a T30 "TORX" socket wrench, remove the screw and courtesy light switch.
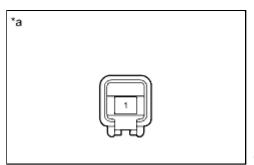
(b) Disconnect the connector.

INSPECTION

1. INSPECT REAR DOOR COURTESY LIGHT SWITCH ASSEMBLY

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

Standard Resistance:

TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION
1 - Switch body	Pin not pushed	Below 1 Ω
	Pin pushed	10 kΩ or higher

If the result is not as specified, replace the rear door courtesy light switch assembly.

Text in Illustration

*a	Component without harness connected (Rear Door Courtesy Light Switch Assembly)

INSTALLATION

HINT:

- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.
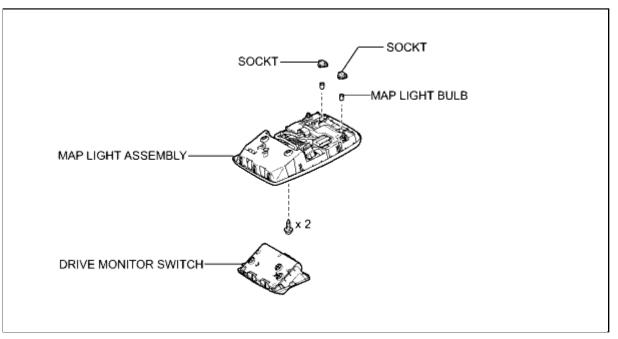
1. INSTALL REAR DOOR COURTESY LIGHT SWITCH ASSEMBLY

(a) Connect the connector.

(b) Using a T30 "TORX" socket wrench, install the courtesy light switch with the screw.
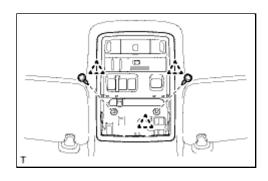
COMPONENTS

ILLUSTRATION

REMOVAL

1. REMOVE DRIVE MONITOR SWITCH

(a) Detach the 3 claws and remove the switch.

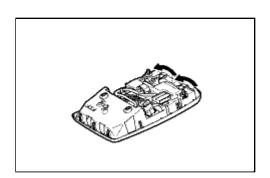(b) Disconnect the connector.

2. REMOVE MAP LIGHT ASSEMBLY

(a) Remove the 2 screws.

(b) Detach the 3 clips and remove the light.

(c) Disconnect the connector.

3. REMOVE MAP LIGHT BULB

(a) Turn the 2 map light bulbs in the direction indicated by the arrows and remove them.
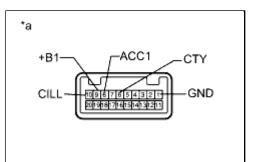
INSPECTION

1. INSPECT MAP LIGHT ASSEMBLY

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

Standard Resistance:

*a

TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION
9 (+B1) - 1 (GND)	Spot light switch off	10 kΩ or higher
	Spot light switch on	Below 1 Ω
9 (+B1) - 6 (CTY)	Not door position	10 kΩ or higher
	Door position	Below 1 Ω

If the result is not as specified, replace the map light assembly.

Text in Illustration

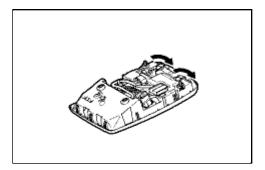| *a	Component without harness connected (Map Light Assembly)

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

OK:

MEASUREMENT CONDITION	SPECIFIED CONDITION
Battery positive (+) → Terminal 8 (ACC1) Battery negative (-) → Terminal 10 (CILL)	LED illuminates

INSTALLATION

1. INSTALL MAP LIGHT BULB

(a) Turn the 2 map light bulbs in the direction indicated by the arrows to install them.

2. INSTALL MAP LIGHT ASSEMBLY

(a) Connect the connector.

(b) Attach the 3 clips to install the light.

(c) Install the 2 screws.

3. INSTALL DRIVE MONITOR SWITCH

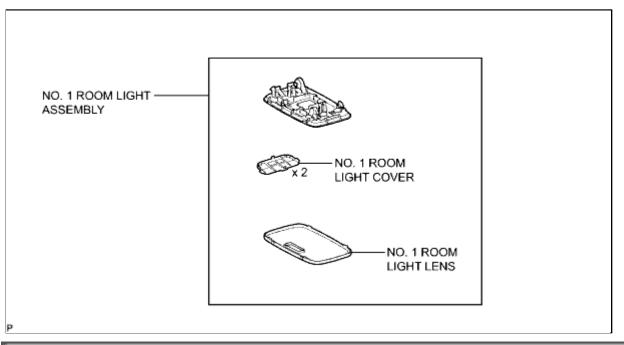(a) Connect the connector.

(b) Attach the 3 claws to install the switch.

TOYOTA

COMPONENTS

ILLUSTRATION

REMOVAL
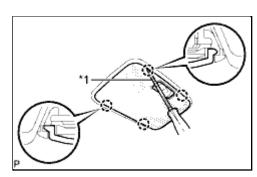
1. REMOVE NO. 1 ROOM LIGHT ASSEMBLY
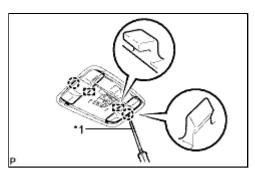

(a) Using a screwdriver, detach the 4 claws and remove the No. 1 room light lens.

HINT:

Tape the screwdriver tip before use.

Text in Illustration

*1	Protective Tape

(b) Using a screwdriver, detach the 2 claws and 2 guides and remove the 2 No. 1 room light covers.

HINT:

Tape the screwdriver tip before use.

Text in Illustration

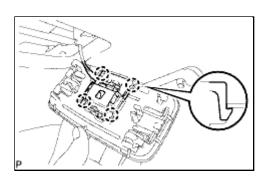| *1	Protective Tape

(c) Using a screwdriver, detach the 4 claws and disconnect the No. 1 room light assembly as shown in the illustration.

HINT:

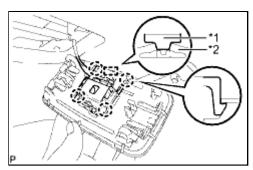**Tape the screwdriver tip before use.**

Text in Illustration

*1	Protective Tape

(d) Using a screwdriver, detach the 4 claws and disconnect the room light switch base from the No. 1 room light assembly.
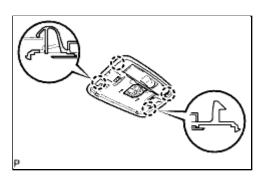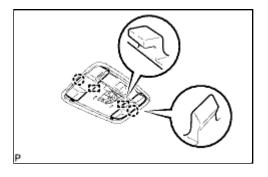
INSTALLATION

1. INSTALL NO. 1 ROOM LIGHT ASSEMBLY

(a) Align the switch parts as shown in the illustration and attach the 4 claws to install the room light switch base to the No. 1 room light assembly.

Text in Illustration

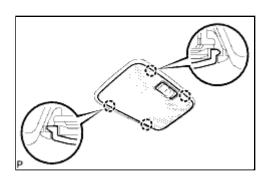| *1	Switch Part of Room Light Switch Base
*2	Switch Part of No. 1 Room Light Assembly

(b) Attach the 4 claws to install the No. 1 room light assembly.

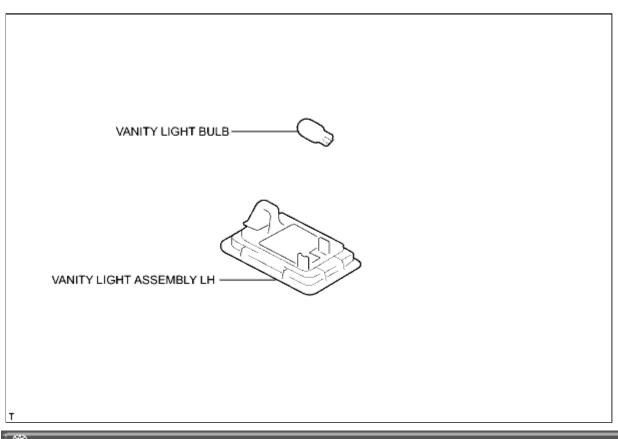(c) Attach the 2 claws and 2 guides to install the 2 No. 1 room light covers.

(d) Attach the 4 claws to install the No. 1 room light lens.

COMPONENTS

ILLUSTRATION

VANITY LIGHT BULB

VANITY LIGHT ASSEMBLY LH

REMOVAL

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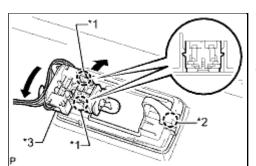
- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.

1. REMOVE ROOF HEADLINING ASSEMBLY

(a) Remove the roof headlining assembly INFO .

2. REMOVE VANITY LIGHT ASSEMBLY LH

(a) Detach the 2 claws (A) and separate the bulb holder from the vanity light as shown in the illustration.

(b) Detach the claw (B) and remove the vanity light.

Text in Illustration

*1	Claw A
*2	Claw B
*3	Bulb Holder

3. REMOVE VANITY LIGHT BULB

(a) Remove the bulb.

INSTALLATION

HINT:

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

1. INSTALL VANITY LIGHT BULB

(a) Install the bulb.

2. INSTALL VANITY LIGHT ASSEMBLY LH

(a) Attach the 3 claws to install the vanity light.
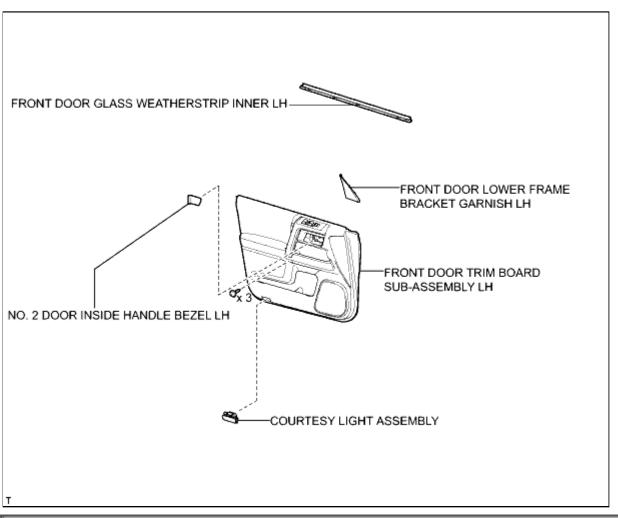
3. INSTALL ROOF HEADLINING ASSEMBLY

(a) Install the roof headlining assembly INFO .

COMPONENTS

ILLUSTRATION

FRONT DOOR GLASS WEATHERSTRIP INNER LH

FRONT DOOR LOWER FRAME BRACKET GARNISH LH

FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH

NO. 2 DOOR INSIDE HANDLE BEZEL LH

x 3

COURTESY LIGHT ASSEMBLY

REMOVAL

HINT:

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

1. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH LH `INFO`

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

3. REMOVE FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH `INFO`

4. REMOVE FRONT DOOR GLASS WEATHERSTRIP INNER LH `INFO`

5. REMOVE COURTESY LIGHT ASSEMBLY

(a) Detach the 2 claws and remove the light.

(b) Disconnect the connector.

(c) Remove the bulb.

INSTALLATION

HINT:

- Use the same procedure for the RH and LH sides.
- The procedure listed below is for the LH side.
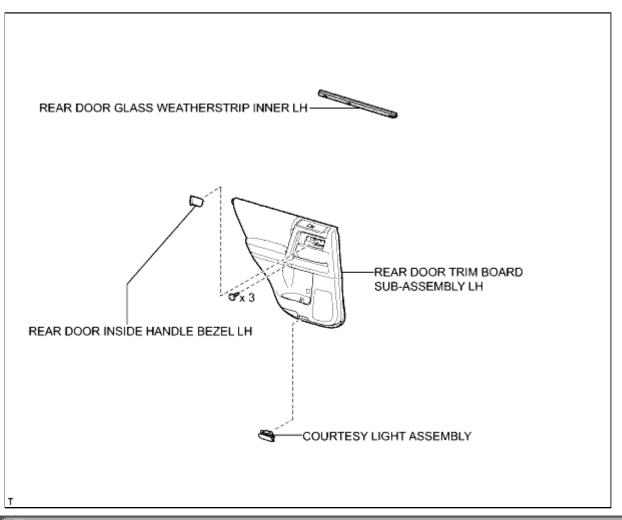
1. INSTALL COURTESY LIGHT ASSEMBLY

(a) Install the bulb.

(b) Connect the connector.

(c) Attach the 2 claws to install the light.

2. INSTALL FRONT DOOR GLASS WEATHERSTRIP INNER LH `INFO`

3. INSTALL FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH `INFO`

4. INSTALL NO. 2 DOOR INSIDE HANDLE BEZEL LH `INFO`

5. INSTALL FRONT DOOR LOWER FRAME BRACKET GARNISH LH `INFO`

COMPONENTS

ILLUSTRATION

REMOVAL

HINT:

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

1. REMOVE REAR DOOR INSIDE HANDLE BEZEL LH INFO

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

3. REMOVE REAR DOOR GLASS WEATHERSTRIP INNER LH INFO

4. REMOVE COURTESY LIGHT ASSEMBLY

(a) Detach the 2 claws and remove the light.

(b) Disconnect the connector.

(c) Remove the bulb.

INSTALLATION

HINT:

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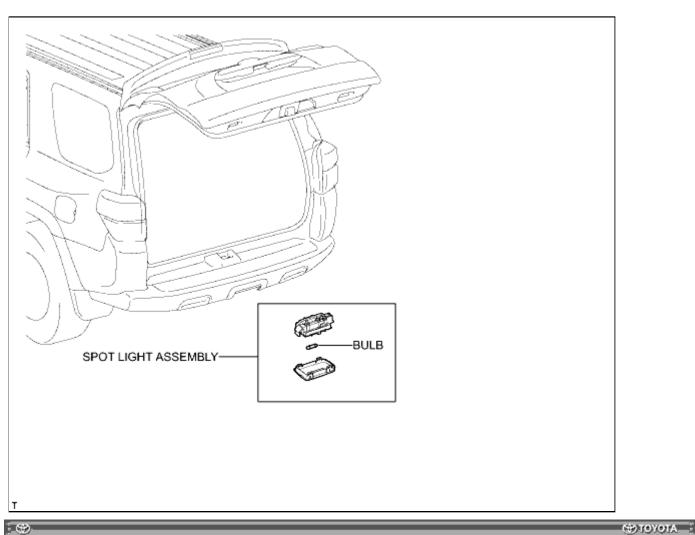- The procedure listed below is for the LH side.

1. INSTALL COURTESY LIGHT ASSEMBLY

(a) Install the bulb.

(b) Connect the connector.

(c) Attach the 2 claws to install the light.

2. INSTALL REAR DOOR GLASS WEATHERSTRIP INNER LH `INFO`

3. INSTALL REAR DOOR TRIM BOARD SUB-ASSEMBLY LH `INFO`

4. INSTALL REAR DOOR INSIDE HANDLE BEZEL LH `INFO`

COMPONENTS

ILLUSTRATION

SPOT LIGHT ASSEMBLY

BULB

REMOVAL

HINT:

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

1. REMOVE SPOT LIGHT ASSEMBLY

(a) Detach the claw and remove the light.

(b) Disconnect the connector.

2. REMOVE BULB

(a) Detach the 4 claws and remove the lens.

(b) Remove the bulb.

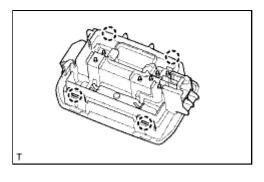| Last Modified: 5-10-2010	6.4 A	From: 200908
Model Year: 2010	Model: 4Runner	Doc ID: RM000003YN5001X
Title: LIGHTING (INT): LUGGAGE COMPARTMENT ROOM LIGHT: INSTALLATION (2010 4Runner)		

INSTALLATION

HINT:

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

1. INSTALL BULB

(a) Install the bulb.

(b) Attach the 4 claws to install the lens.

2. INSTALL SPOT LIGHT ASSEMBLY

(a) Connect the connector.

(b) Attach the claw to install the light.

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