

## ACCESSORIES & EQUIPMENT

### Mirrors (Interior) (Service Information) - Sienna

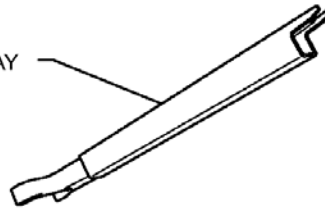
#### INNER REAR VIEW MIRROR

##### COMPONENTS

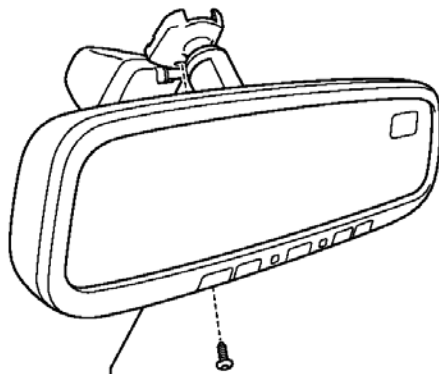
##### ILLUSTRATION

w/ EC Mirror:

INNER REAR VIEW MIRROR STAY  
HOLDER COVER

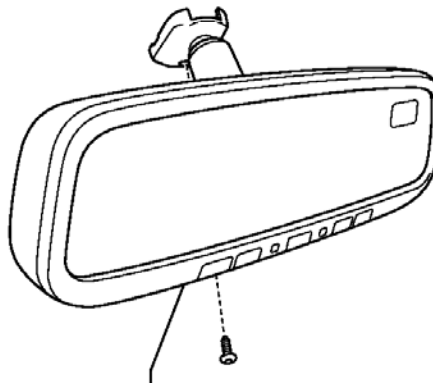


w/ Camera:



INNER REAR VIEW MIRROR  
ASSEMBLY

w/o Camera:



INNER REAR VIEW MIRROR  
ASSEMBLY

**Fig. 1: Inner Rear View Mirror Replacement Components (w/ EC Mirror)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

##### ILLUSTRATION

w/o EC Mirror:

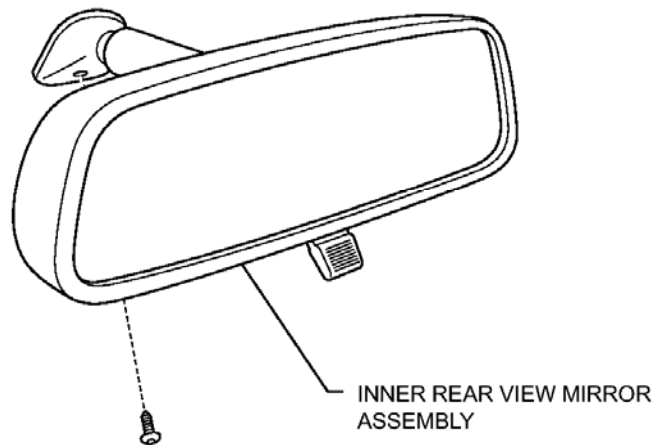


**Fig. 2: Inner Rear View Mirror Replacement Components (w/o EC Mirror)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

## **CALIBRATION**

### **CALIBRATION**

#### **1. SELECT COMPASS DISPLAY MODE**

- a. The AUTO switch allows selection of the compass display.

#### **2. SET ZONE**

- a. The compass indicates the direction that the vehicle is heading by detecting the direction and strength of the earth magnetic field (magnetic north). However, there is a difference between magnetic north and actual north that depends on the location of the vehicle. To compensate for this difference, it is necessary to set the zone in which the vehicle will be used (refer to Compass Zone Map). The zone setting can be changed using the AUTO switch of the inner mirror.

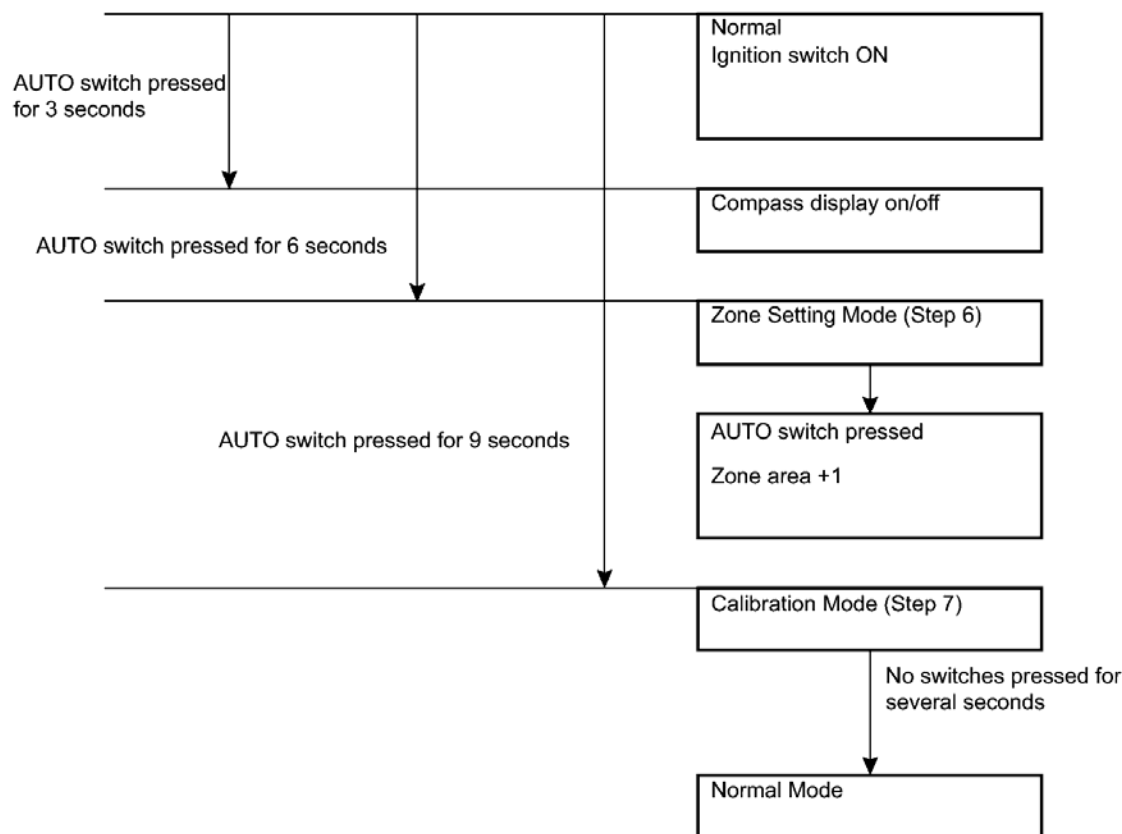
#### **3. PERFORM CALIBRATION**

- a. Because each vehicle has its own magnetic field, calibration should be performed. The calibration function is used to compensate for the residual magnetism of the vehicle.

#### **4. WHEN COMPASS IS MAGNETIZED**

- a. The compass or vehicle may become magnetized while the vehicle is being shipped. As a result, it is necessary to perform calibration for the compass before the vehicle is delivered to the customer. If calibration cannot be performed successfully (calibration cannot be completed in spite of driving around several times), it may be caused by excessive magnetization of the vehicle. Demagnetize the vehicle using a demagnetizer and perform calibration again.

#### **5. SET COMPASS**



H

**Fig. 3: Identifying Inner Rear View Mirror Compass Zone Setting Initialization Diagram**  
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

## 6. ZONE SETTING MODE

- When the compass is in normal mode, pressing the AUTO switch for 6 seconds will activate the zone setting mode. A number from 1 to 15 will be displayed on the compass display.

### **HINT:**

If the initial zone setting has not been changed, 8 will be displayed.

- The displayed number increases by 1 every time the AUTO switch is pressed. Referring to the map, check the number for the area where the vehicle will be used and set the zone number.
- Do not touch the AUTO switch for several seconds after setting the zone. Check that the compass display shows a direction (N, NE, E, SE, S, SW, W or NW).

## 7. CALIBRATION MODE

- When the compass is in normal mode, pressing the AUTO switch for 9 seconds will activate the calibration mode.
- Drive the vehicle in a circle at a speed of 8 km/h (5 mph) or less.
- After driving around in a circle 1 to 3 times, the direction (N, NE, E, SE, S, SW, W or NW) will be

displayed on the compass display. This indicates that calibration has finished.

### **HINT:**

After calibration is performed, it is not necessary to repeat the calibration procedure unless magnetic field of the vehicle changes drastically. If the magnetic field changes drastically, the compass display will indicate "C".

Compass Zone Map:

North America:

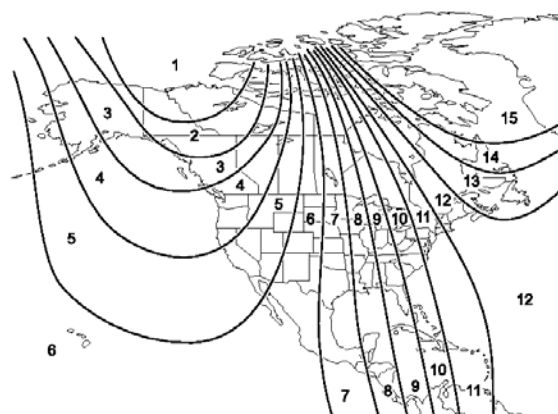


**Fig. 4: North America Compass Zone Map**

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Compass Zone Map:

General:

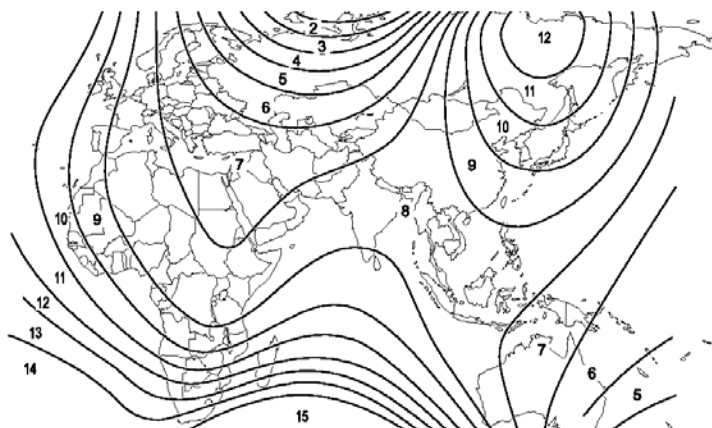


**Fig. 5: General Compass Zone Map**

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

## **REMOVAL**

## **REMOVAL**

1. **REMOVE INNER REAR VIEW MIRROR STAY HOLDER COVER (w/ EC Mirror)**
  - a. Disengage the 2 claws and slide the inner rear view mirror stay holder cover as shown in the illustration.

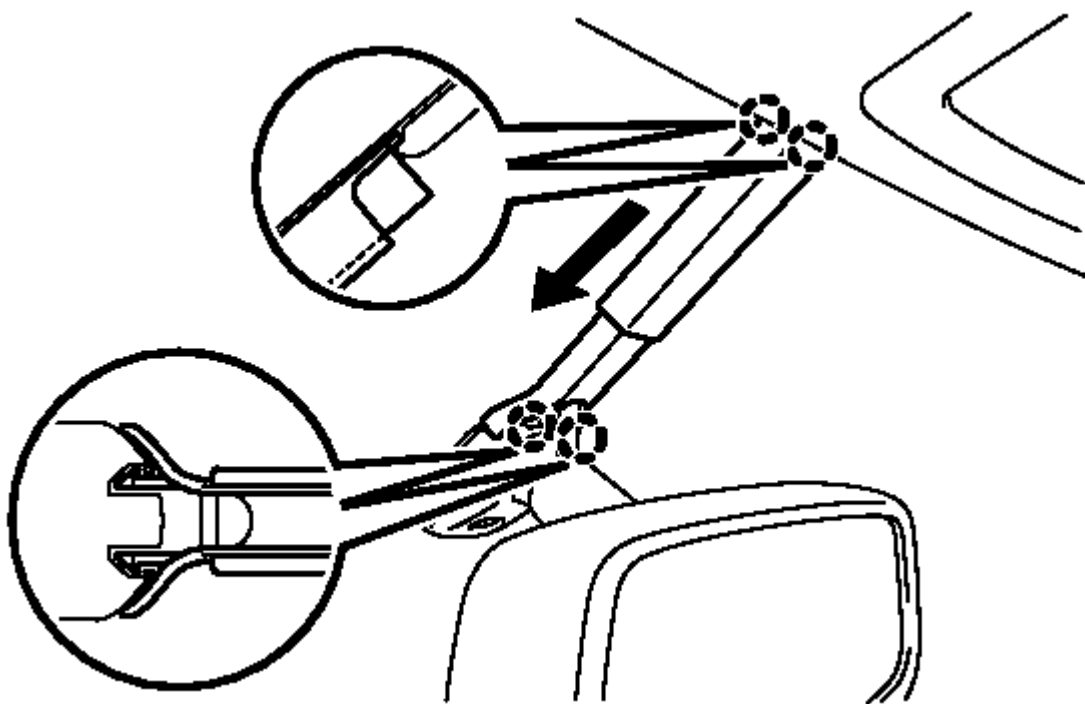


**Fig. 6: Disengaging Inner Rear View Mirror Stay Holder Cover Claws (w/EC Mirror)**  
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Disengage the 2 claws and remove the inner rear view mirror stay holder cover.
- 2. **REMOVE INNER REAR VIEW MIRROR ASSEMBLY (w/o EC Mirror)**
  - a. Using a T20 "TORX" socket wrench, remove the screw and the inner rear view mirror.

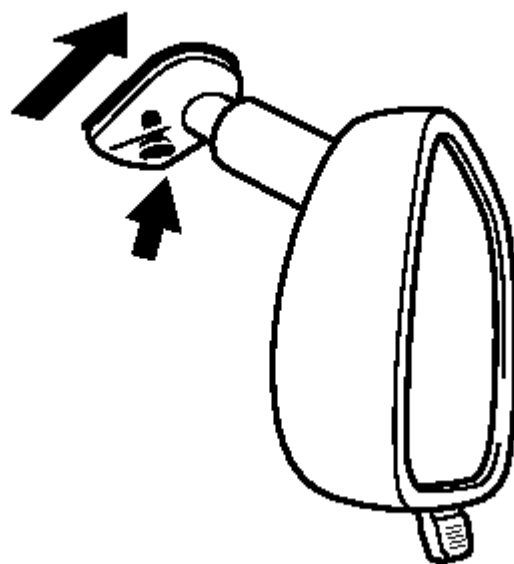


**Fig. 7: Removing Inner Rear View Mirror Screw (w/o EC Mirror)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

**3. REMOVE INNER REAR VIEW MIRROR ASSEMBLY (w/ EC Mirror)**

a. w/o Camera:

1. Disconnect the connector.

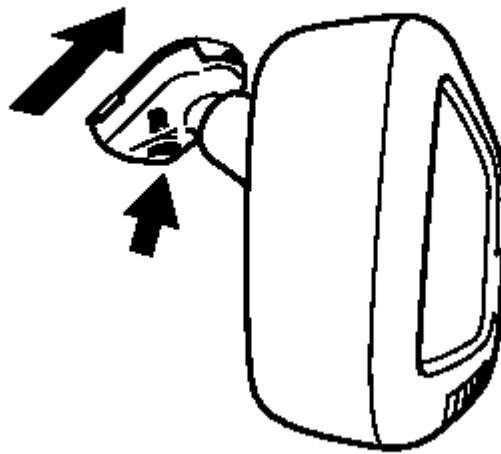


**Fig. 8: Removing Inner Rear View Mirror Screw (EC Mirror w/o Camera)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

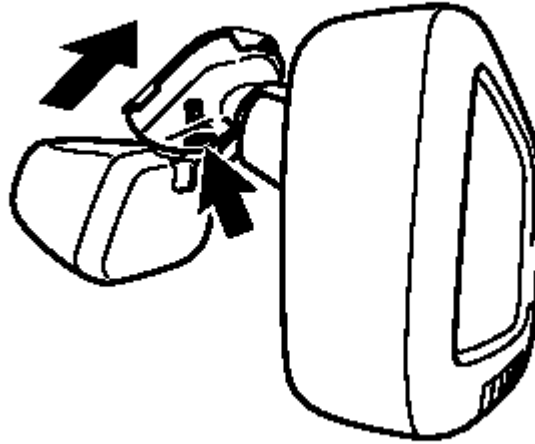
2. Using a T20 "TORX" socket wrench, remove the screw and the inner rear view mirror.

b. w/ Camera:

**NOTE:**

- Do not touch of the camera lens (built into the inner rear view mirror) with a bare hand.
- Do not allow anything to adhere to the camera lens (built into the inner rear view mirror).
- Do not apply strong impact to the inner rear view mirror.
- Do not allow any liquids to get on the inner rear view mirror.

1. Disconnect the connector.



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**Fig. 9: Removing Inner Rear View Mirror Screw (EC Mirror w/Camera)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. Using a T20 "TORX" socket wrench, remove the screw and the inner rear view mirror.

## **INSPECTION**

### **INSPECTION**

1. **INSPECT INNER REAR VIEW MIRROR ASSEMBLY**

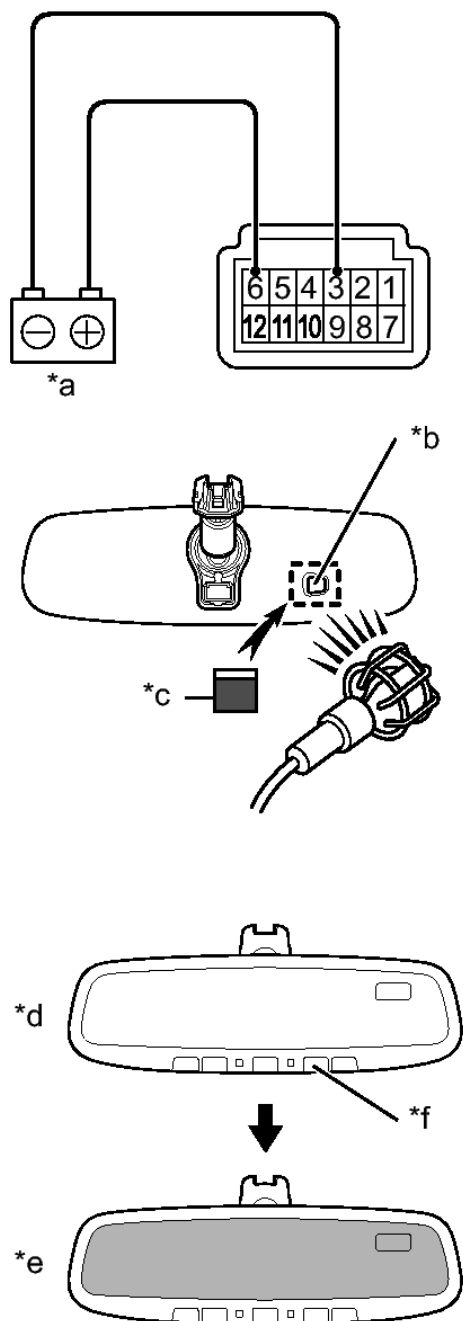


**Fig. 10: Inspecting Electrochromic Inner Rear View Mirror Operation**  
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION



|    |                  |
|----|------------------|
| *a | Battery          |
| *b | Forward Sensor   |
| *c | Black Color Tape |
| *d | Bright           |
| *e | Dark             |
| *f | AUTO MODE Switch |

a. Inspect operation of the electrochromic inner mirror.

1. Connect a positive (+) lead from the battery to terminal 6 and a negative (-) lead to terminal 3.
2. Press the AUTO MODE switch.
3. Attach black colored tape to the forward sensor to prevent it from sensing.
4. Light up the mirror with an electric light, and check that the mirror surface changes from bright to dark.

OK

Mirror surface changes from bright to dark.

If the result is not as specified, replace the inner rear view mirror.

## INSTALLATION

### INSTALLATION

#### 1. INSTALL INNER REAR VIEW MIRROR ASSEMBLY (w/o EC Mirror)

- a. Using a T20 "TORX" socket wrench, install the inner rear view mirror with the screw.

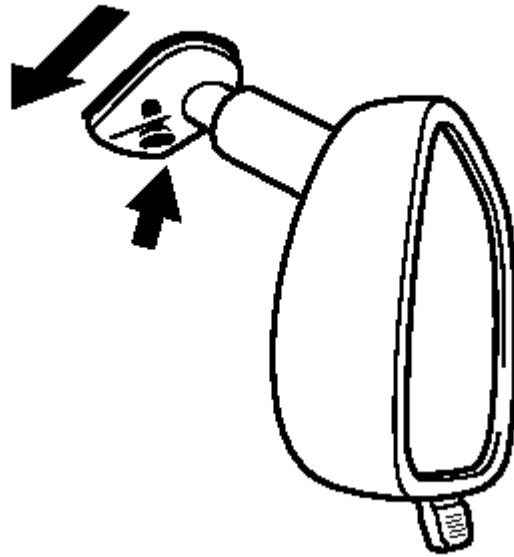


**Fig. 11: Installing Inner Rear View Mirror Screw (w/o EC Mirror)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

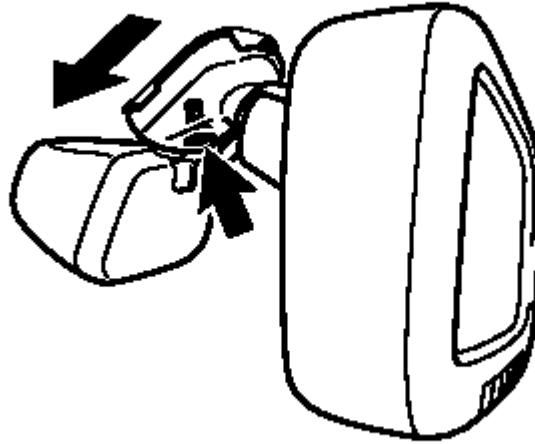
**2. INSTALL INNER REAR VIEW MIRROR ASSEMBLY (w/ EC Mirror)**

a. w/ Camera:

**NOTE:**

- Do not touch the camera lens (built into the inner rear view mirror) with a bare hand.
- Do not allow anything to adhere to the camera lens (built into the inner rear view mirror).
- Do not apply strong impacts to the inner rear view mirror.
- Do not allow any liquid to get on the inner rear view mirror.

1. Using a T20 "TORX" socket wrench, install the inner rear view mirror with the screw.



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**Fig. 12: Installing Inner Rear View Mirror Screw (EC Mirror w/Camera)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. Connect the connector.
- b. w/o Camera:
  1. Using a T20 "TORX" socket wrench, install the inner rear view mirror with the screw.

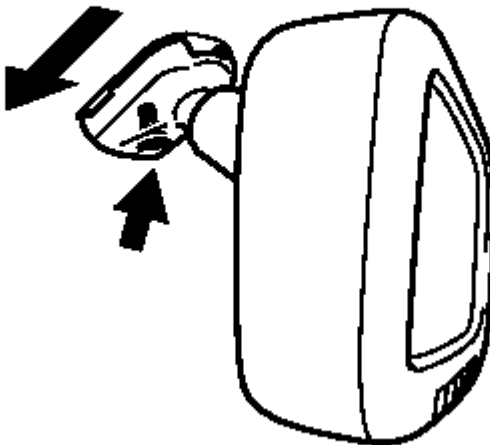


**Fig. 13: Installing Inner Rear View Mirror Screw (EC Mirror w/o Camera)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. Connect the connector.
3. **INSTALL INNER REAR VIEW MIRROR STAY HOLDER COVER (w/ EC Mirror)**
  - a. Engage the 2 claws and install the inner rear view mirror stay holder cover.

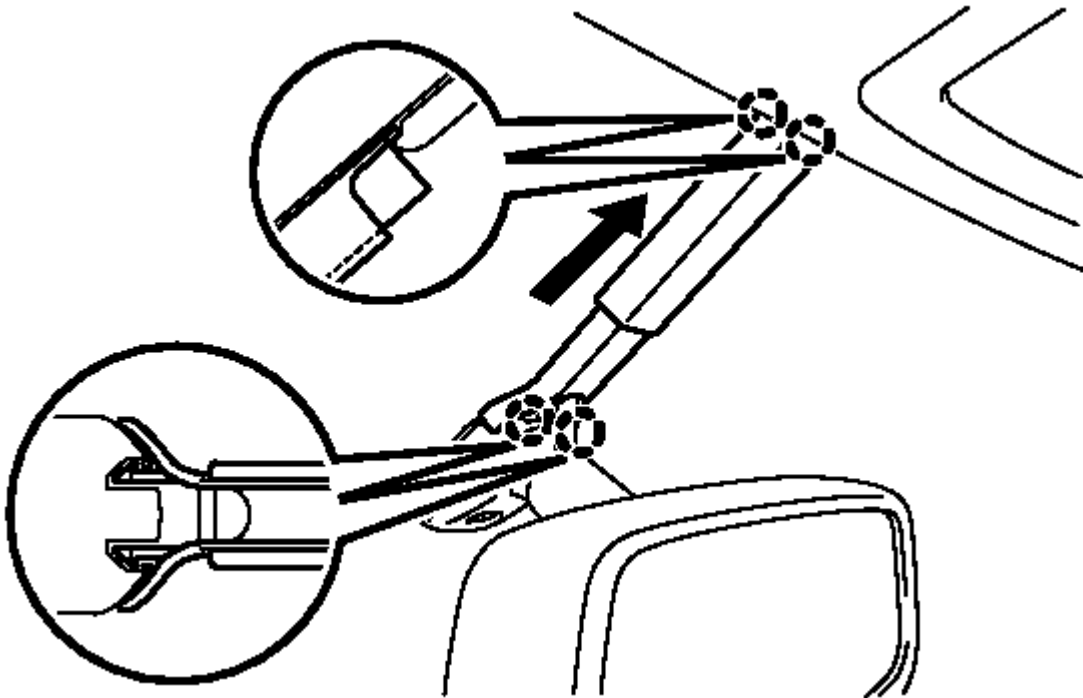


**Fig. 14: Engaging Inner Rear View Mirror Stay Holder Cover Claws (w/EC Mirror)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Engage the 2 claws and install the inner rear view mirror stay holder cover as shown in the illustration.