

# OVERHAUL

## HINT:

- The installation procedures are the removal procedures in reverse order. However, only installation procedures requiring additional information are included.
- A bolt without a torque specification is shown in the standard bolt chart ([see page 03-2](#)).

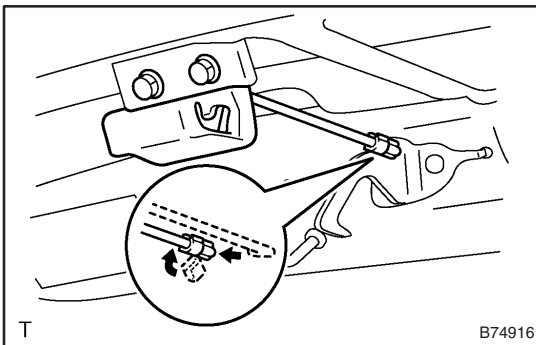
### 1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

### 2. REMOVE HOOD INSULATOR

- (a) Using a clip remover, disengage the 10 clips and remove the insulator.

### 3. REMOVE HOOD TO RADIATOR SUPPORT SEAL

- (a) Using a clip remover, disengage the 13 clips and remove the seal.



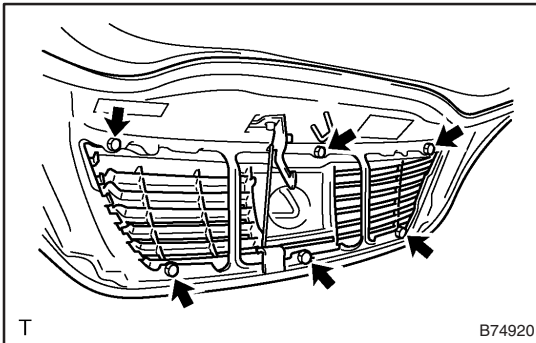
### 4. REMOVE AUXILIARY CATCH RELEASE LEVER ASSY

- (a) Disconnect the snap and remote control rod No. 2 in the direction indicated by the arrow marks in the illustration.

## HINT:

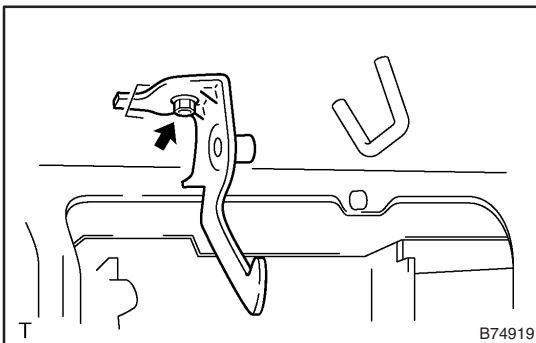
If the snap is damaged during removal, replace it.

- (b) Remove the 2 bolts and lever.



### 5. REMOVE RADIATOR GRILLE

- (a) Remove the 6 bolts and inside radiator grille together with the outside radiator grille and radiator grille protector.
- (b) Remove the protector.
- (c) Remove the 8 screws and inside radiator grille.
- (d) Europe specification:  
Remove the 9 brackets and radiator grille seal No. 1.
- (e) w/ Pre-crash safety system:  
Remove the 4 nuts and radiator grille garnish.



### 6. REMOVE HOOD AUXILIARY CATCH HOOK ASSY

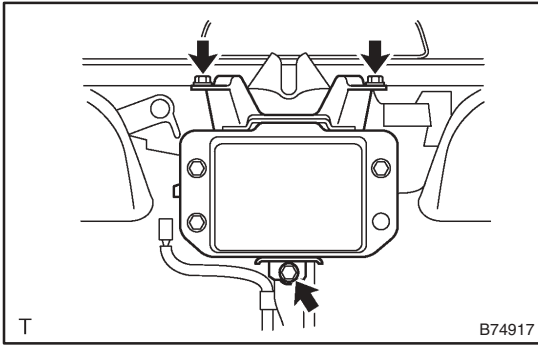
- (a) Remove the bolt and hook.

### 7. REMOVE HOOD SUPPORT ASSY LH (See Pub. No. RM1049E3, page 75-11)

### 8. REMOVE HOOD SUPPORT ASSY RH

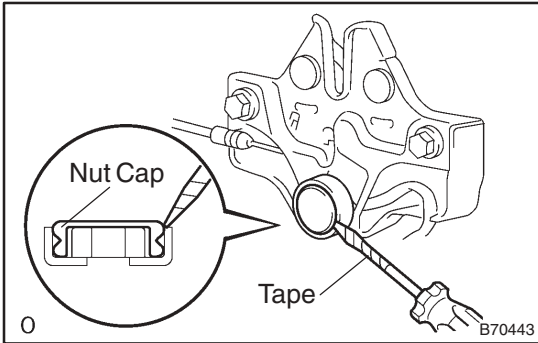
## HINT:

Install the RH side by the same procedures with the LH side.



## 9. REMOVE HOOD LOCK ASSY

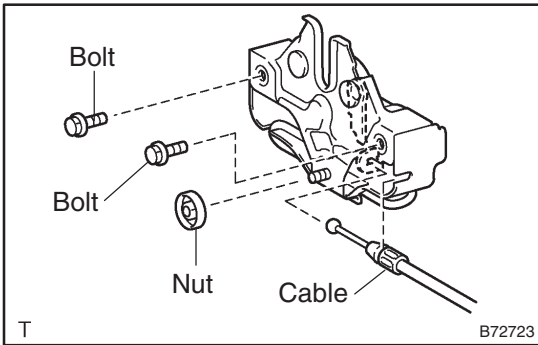
- (a) w/ Pre-crash safety system:  
Disconnect the cable from the negative (-) battery terminal.
- (b) w/ Pre-crash safety system:  
Disconnect the connector.
- (c) w/ Pre-crash safety system:  
Remove the 3 bolts and millimeter wave radar sensor.



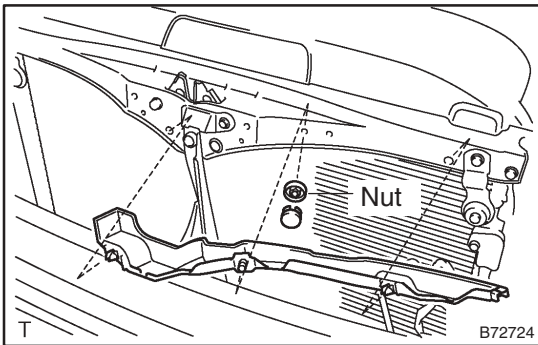
- (d) Using a screwdriver, remove the hood lock nut cap as shown in the illustration.

### HINT:

Tape the screwdriver tip before use.



- (e) Remove the 2 bolts, nut and lock.
- (f) Disconnect the hood lock control cable.
- (g) Disconnect the connector.



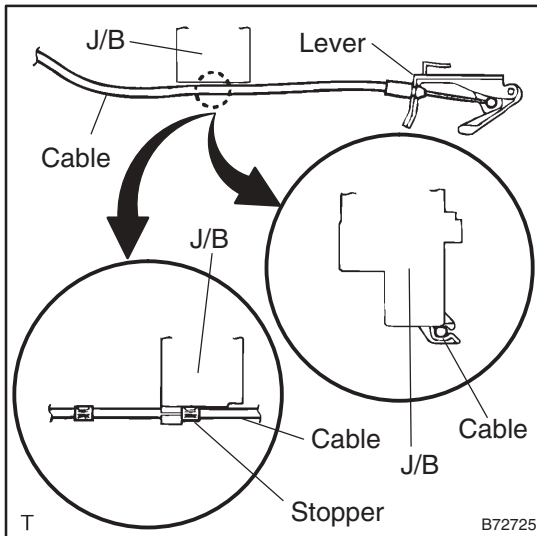
## 10. REMOVE HOOD LOCK CONTROL CABLE COVER

- (a) Using a screwdriver, remove the hood lock nut cap.

### HINT:

Tape the screwdriver tip before use.

- (b) Remove the nut and cover.

**11. REMOVE HOOD LOCK CONTROL LEVER SUB-ASSY**

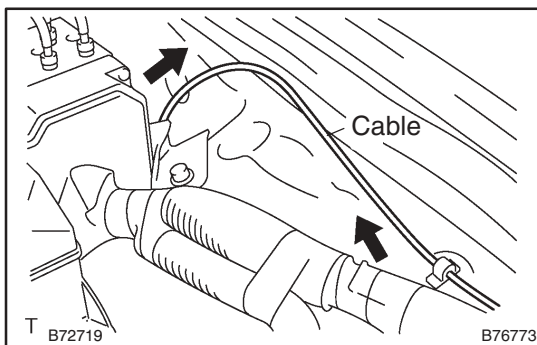
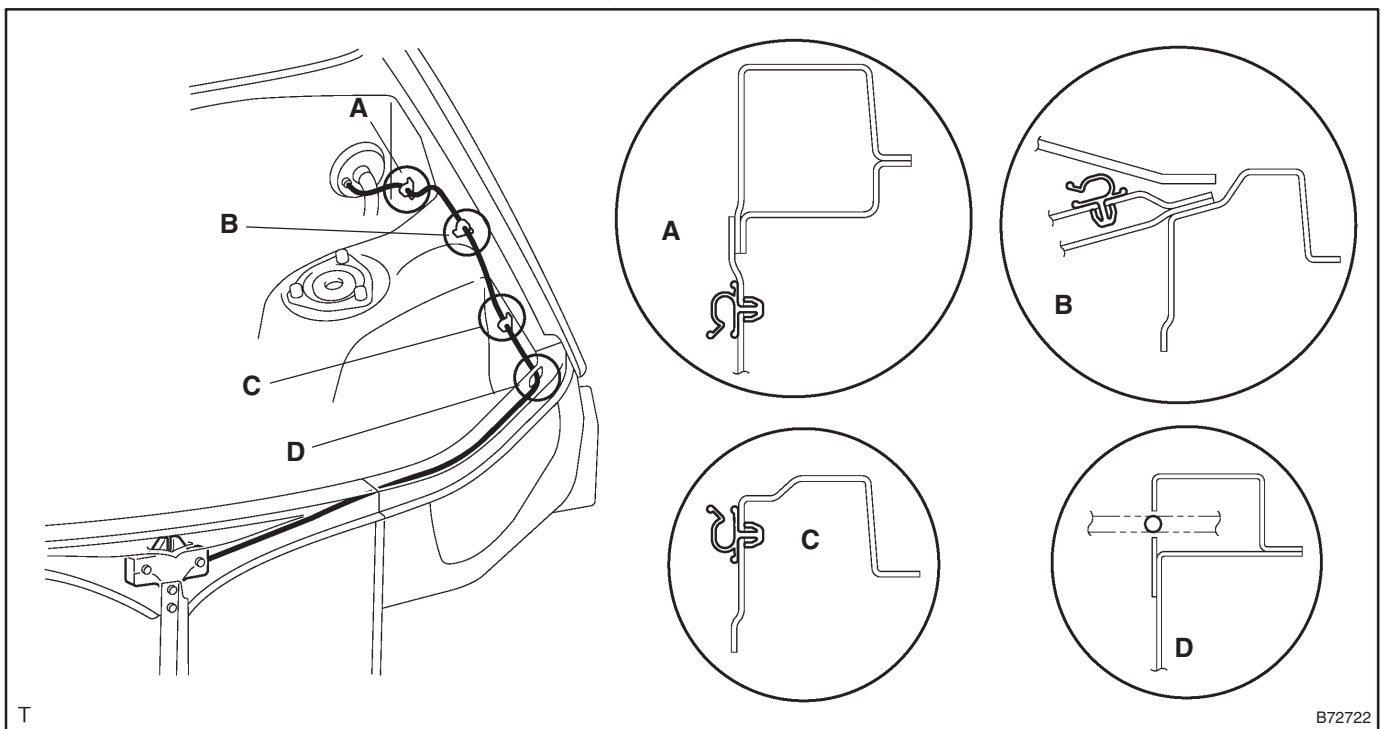
- (a) Remove the 2 screws and lever.
- (b) Disconnect the hood lock control cable from the J/B.

**12. REMOVE HOOD LOCK CONTROL CABLE ASSY**

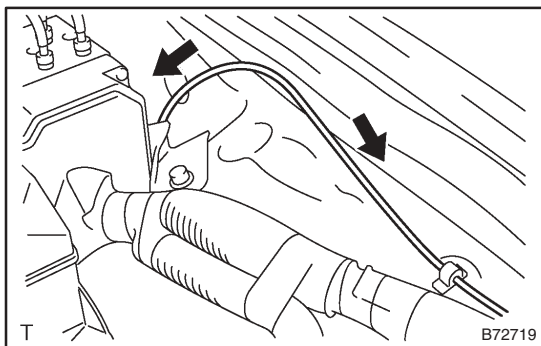
- (a) Using a screwdriver, disconnect the cable clamps shown in the illustration.

HINT:

Tape the screwdriver tip before use.



- (b) Pull the cable from the engine room and remove it.

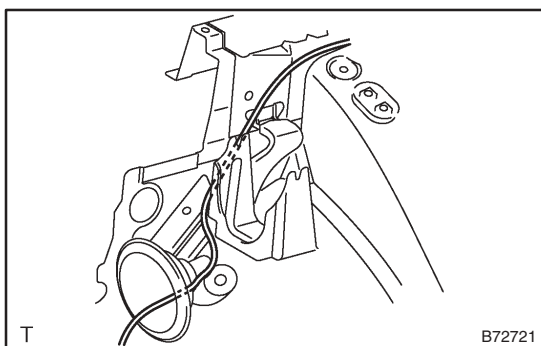


### 13. INSTALL HOOD LOCK CONTROL CABLE ASSY

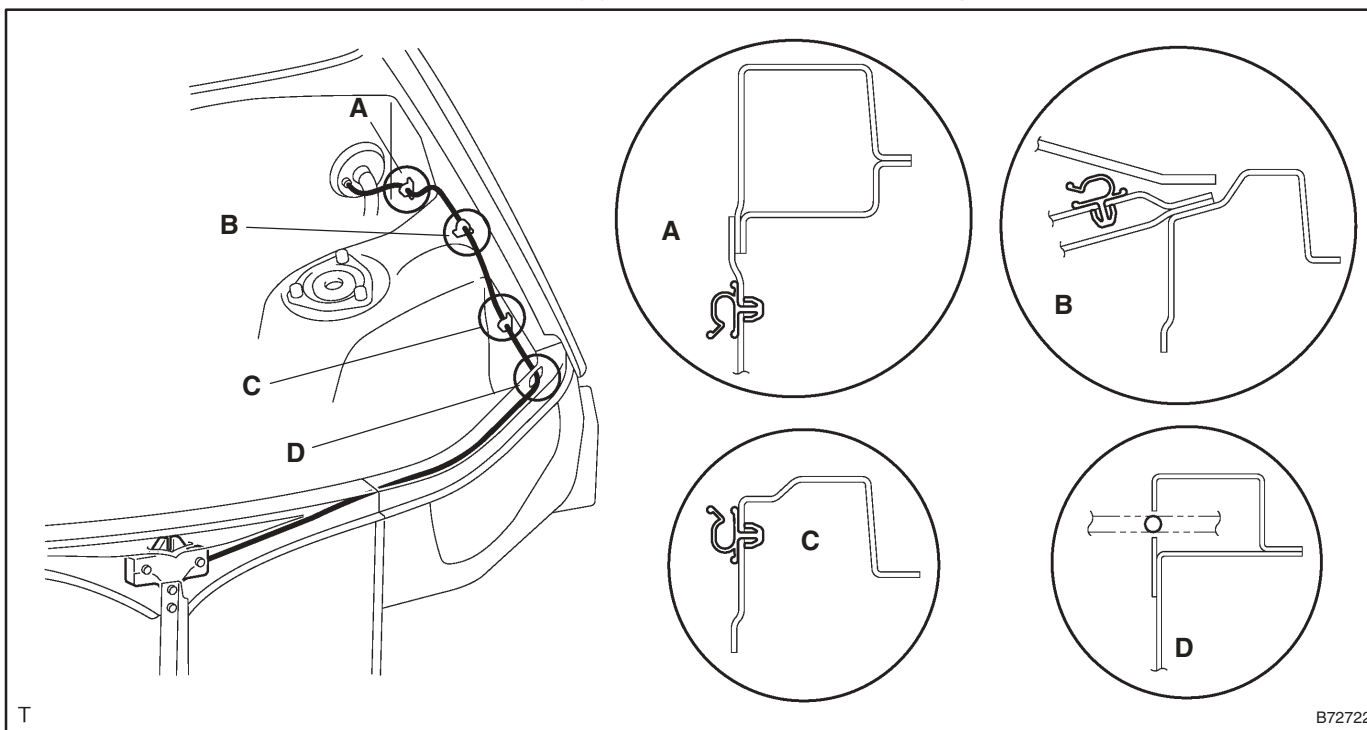
- (a) Pass the cable to the engine room.
- (b) Pass the cable rear side through the grommet until the cable stopper is attached to the grommet.
- (c) Pass the cable front side through the upper radiator support.

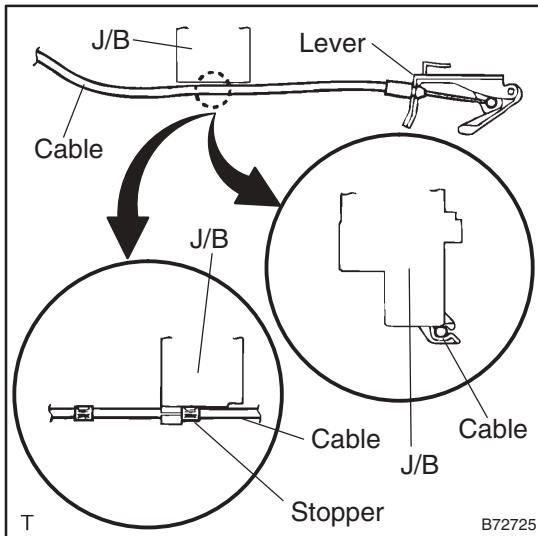
#### HINT:

Pass the cable to the upper part of the skid control ECU bracket as shown in the illustration.

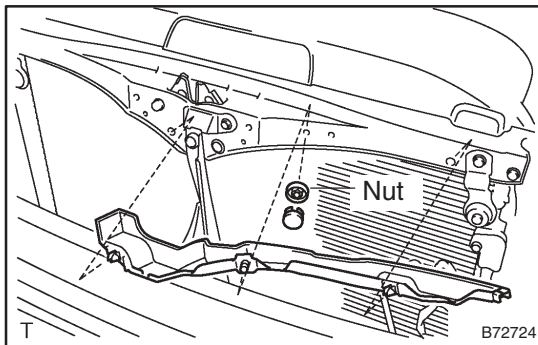


- (d) Connect the cable clamps shown in the illustration.

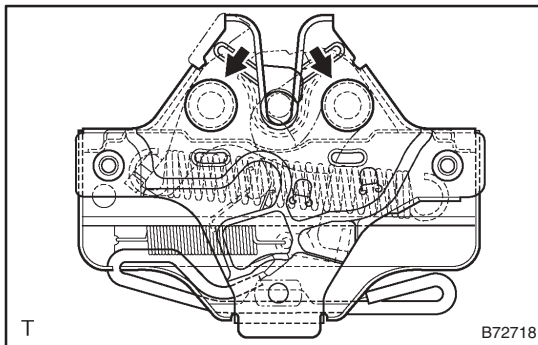


**14. INSTALL HOOD LOCK CONTROL LEVER SUB-ASSY**

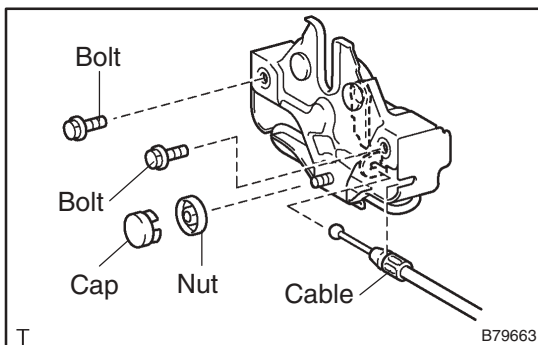
- (a) Connect the hood lock control cable as shown in the illustration.
- (b) Install the lever with the 2 screws.

**15. INSTALL HOOD LOCK CONTROL CABLE COVER**

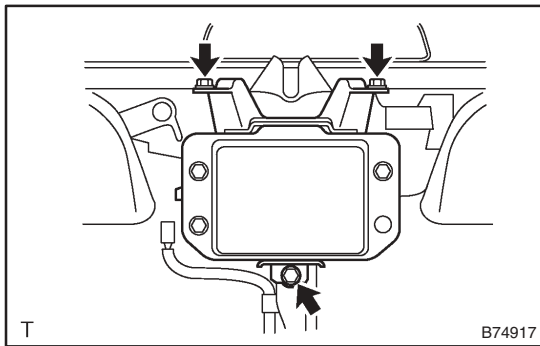
- (a) Install the cover with the nut.  
**Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)**
- (b) Install a new cap.

**16. INSTALL HOOD LOCK ASSY**

- (a) Apply MP grease to the sliding areas of the lock.

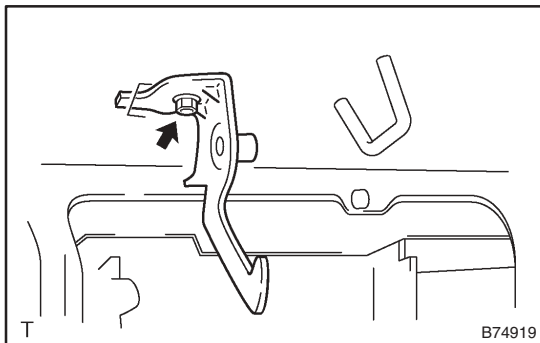


- (b) Connect the hood lock control cable.
- (c) Install the hood lock with the 2 bolts and nut.  
**Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)**
- (d) Adjust the lock ([see page 75-2](#)).
- (e) Install a new cap.



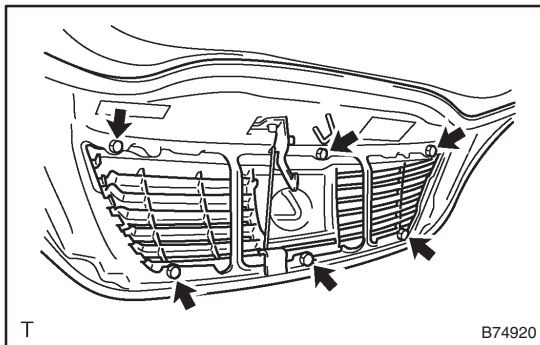
- (f) w/ Pre-crash safety system:  
Install the millimeter wave radar sensor with the 3 bolts.  
**Torque: 5.5 N·m (56 kgf·cm, 49 in·lbf)**
- (g) w/ Pre-crash safety system:  
Connect the connector.
- (h) w/ Pre-crash safety system:  
Connect the cable to the negative (–) battery terminal.
- (i) w/ Pre-crash safety system:  
Perform the initialization (see Pub. No. RM1049E1, page 01–20).
- (j) w/ Pre-crash safety system:  
Adjust the millimeter wave radar sensor ([see page 82–2](#)).

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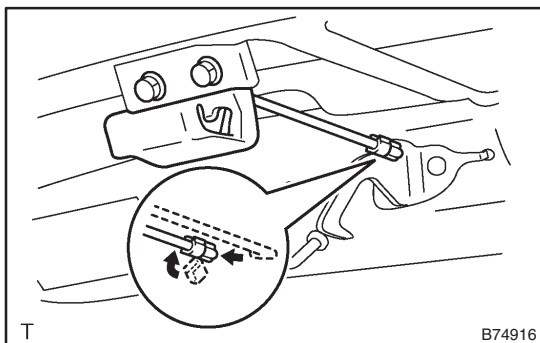
## 17. INSTALL HOOD AUXILIARY CATCH HOOK ASSY

- (a) Install the hook with the bolt.  
**Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)**



## 18. INSTALL RADIATOR GRILLE

- (a) w/ Pre-crash safety system:  
Install the radiator grille garnish to the inside radiator grille with 4 new nuts.
- (b) Europe specification:  
Install the radiator grille seal No. 1 to the inside radiator grille with the 9 bracket.
- (c) Install the inside radiator grille to the outside radiator grille with the 8 screws.
- (d) Install the radiator grille protector.
- (e) Install the radiator grille with the 6 bolts.  
**Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)**



## 19. INSTALL AUXILIARY CATCH RELEASE LEVER ASSY

- (a) Install the lever with the 2 bolts.  
**Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)**
- (b) Connect the rod and lock the snap as shown in the illustration.

**20. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**

**21. PERFORM INITIALIZATION (See Pub. No. RM1049E1, page 01-20)**

**NOTICE:**

**Certain system need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.**

