

**LANCER / LANCER SPORTBACK**  
**HOOD SWITCH KIT**  
**(for REMOTE ENGINE STARTER)**  
**MZ360316EX**  
**INSTALLATION AND HANDLING INSTRUCTIONS**



**Note**

This Hood Switch Kit is necessary for installing the Remote Engine Starter (MZ360272EX).

Thank you for purchasing the Mitsubishi Genuine Accessory.  
To install and use the product correctly with proper knowledge of it, read this publication carefully.  
Keep this publication for reference when maintenance is required.

**Attention**

- This publication gives precautionary instructions in the boxes titled as follows.  
Read through these instructions thoroughly.



**Caution**

Describes precautions that should be observed in order to prevent injury or damage to the vehicle or its components, which may occur if sufficient care is not taken.



**Note**

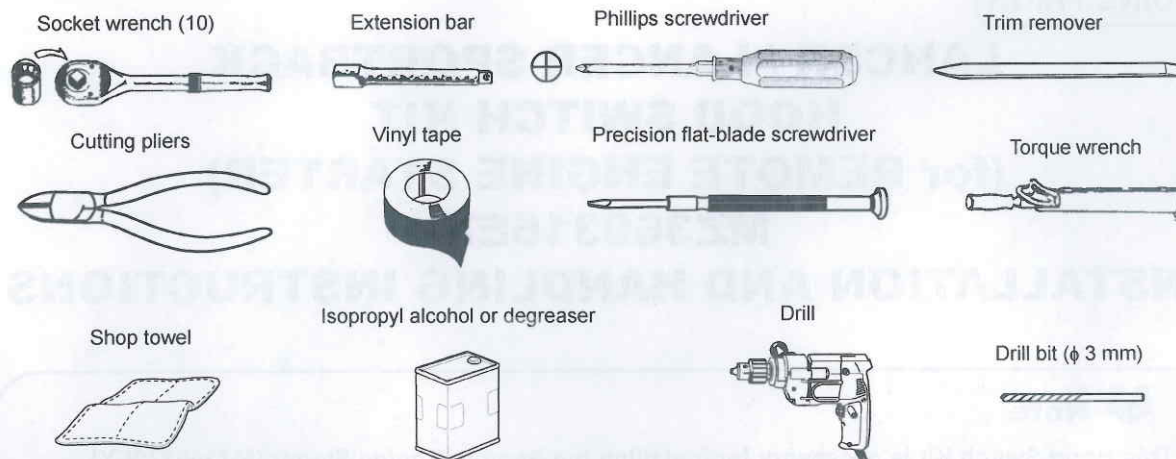
Provides additional information that facilitates installation work.

- Failure to follow these instructions not only prevents the product from working properly but may lead to trouble with the vehicle. Be sure to follow all instructions carefully.
- If there is anything unclear about the installation, handling and/or usage of the product, contact your Mitsubishi Motors dealer for clarification.
- Mitsubishi Motors Corporation is not responsible for any defects or difficulties caused by or resulting from the failure to follow given instructions.
- We recommend you to have the installation performed at an authorized Mitsubishi Motors dealer.

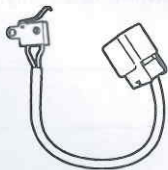
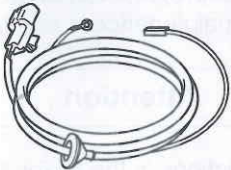
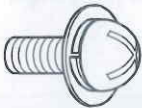
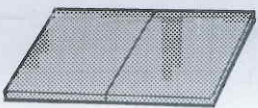


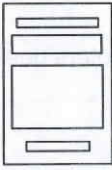
To the dealer:

Be sure that the customer receives this publication.

## ■ TOOLS (Make the following tools ready for use.)



## ■ COMPONENTS (Make sure that all of the following components were included in the kit.)

|  |  |   |
|--|--|---|
| <p>① Hood switch: 1</p>   | <p>② Harness: 1</p>                       | <p>③ Special screw (M4 × 14): 1*</p>  <p>*: This special screw cannot be substituted with any other type of screw.</p> |
| <p>④ Wiring tape: 2</p>   | <p>⑤ Tie wrap (S) (L = 100 mm): 14</p>  | <p>⑥ Tie wrap (L) (L = 200 mm): 1</p>    |
| <p>⑦ Installation and Handling Instructions (this document): 1</p>  |  |   |

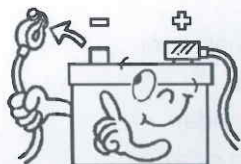
## ■ PRECAUTIONS

- Be sure to apply the parking brake securely. Remove the ignition key from the key cylinder.
- Disconnecting the (–) cable from the battery causes the radio and audio presets, the clock, etc. to lose their memory. Record the contents of the memory before disconnecting the battery (–) cable to allow you to reprogram the radio presets after the installation is completed. (For the reprogramming procedure, refer to the owner's handbook.)
- To prevent injuries by the cut edges of tie wraps, do the following:
  - Wind the tie wrap with its protruding part pointing downward (so that its cut end points downward).
  - Cut off the excess tie wrap close to the head. Do not cut at an angle.
- When using isopropyl alcohol or degreaser, work in a well-ventilated space. Keep away from flames.



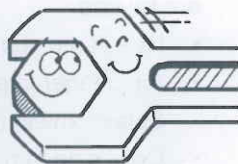
### Before installation

- Be sure to disconnect the negative terminal cable from the battery.



### When installing or removing parts

- Loosen or tighten bolts and nuts using tools that match their sizes.



- Use a Phillips screwdriver that fits the recess in the head of the screw being loosened or tightened.

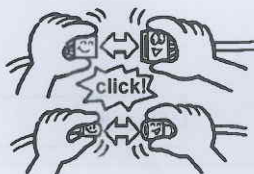


- To remove plastic parts, use a trim remover.

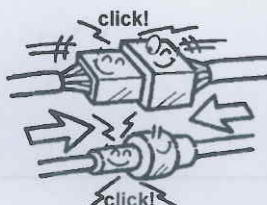


### Wiring

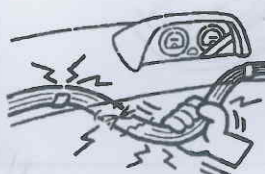
- When disconnecting connectors, first unlock them, then separate the connectors by pulling on themselves, not on cables.



- When connecting connectors, push them against each other until the lock clicks.



- Do not pull on wiring harnesses strongly.



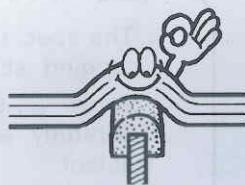
- Do not let harnesses be pinched between parts.



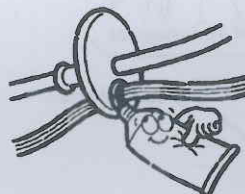
- Route the harness away from hot components such as the engine and radiator.



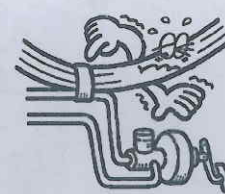
- Protect the harness from sharp edges by covering the edges with tape or other suitable materials.



- Apply sealant to grommets at portions where the harness run through.



- Do not fasten the harness to brake pipes or high pressure air conditioner pipes.



### Clamping harness

- Fasten the additional harness to an existing vehicle harness using tape or tie wraps.



- Bind up extra length of the harness using a tie wrap.

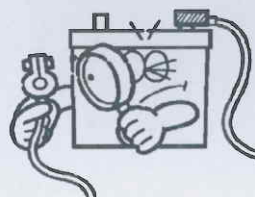


- If one tie wrap is too short, use two connected together.



### After installation

- Check the product and wiring for installed condition before connecting the cable to the battery.

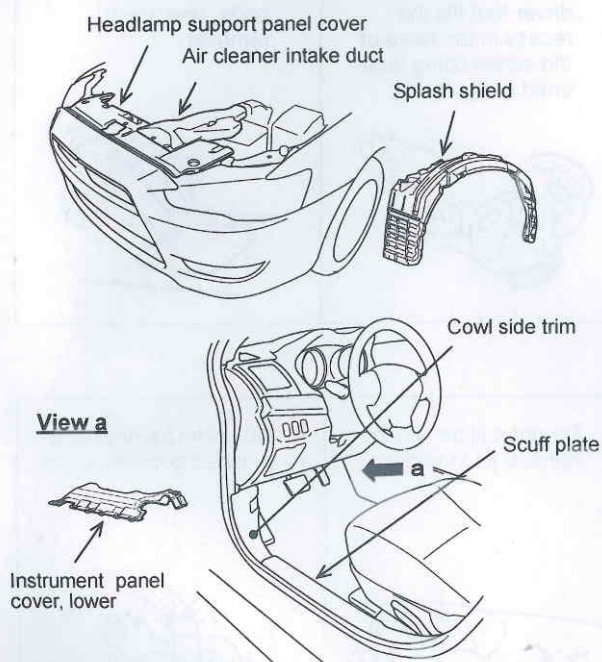


- Check the installed product for function. Also check lamps, horn, wipers, etc. for proper operation.



## INSTALLATION PROCEDURES

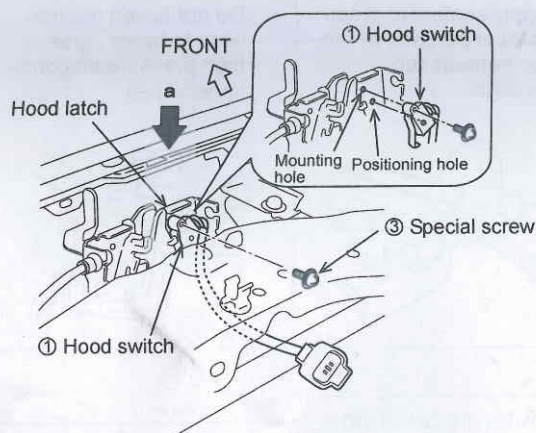
### A. REMOVING THE VEHICLE PARTS



- 1) Disconnect the battery (–) cable from the battery.
- 2) Remove the following parts in accordance with the workshop manual. Keep the removed parts as they are reused.
  - Headlamp support panel cover
  - Air cleaner intake duct
  - Splash shield (driver's side)
  - Cowl side trim (driver's side)
  - Scuff plate (driver's side)
  - Instrument panel cover, lower (if equipped)

Check

### B. INSTALLING THE HOOD SWITCH



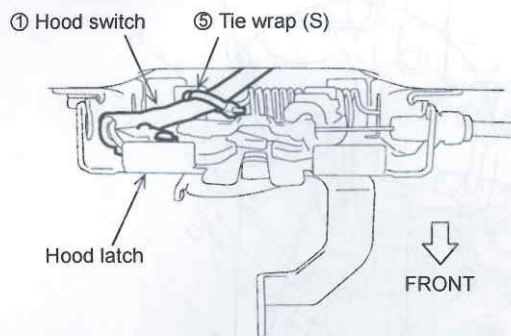
- 1) Install the hood switch ① to the hood latch with the special screw ③.

#### ⚠ Caution

- The special screw ③ is a kind of self-tapping screw. When tightening the screw ③, set it squarely and tighten carefully so that it is not installed aslant.
- Tightening torque: 150 – 200 N·cm
- This special screw ③ cannot be substituted with any other screw.



### View a



- 2) Secure the harness of the hood switch ① with the tie wrap (S) ⑤ passed through a hole on the hood latch as shown in View a.

### Note

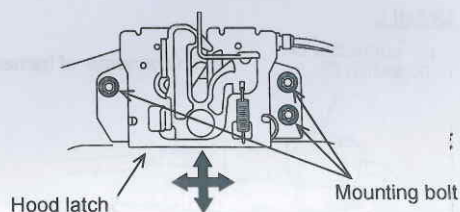
If it is difficult to tighten the special screw ③ or install the tie wrap, loosen the hood latch mounting bolts. (Do not remove the hood latch.)

However, this requires the adjustment of hood latch position when retightening the mounting bolts.

### Caution

When retightening the mounting bolts, fitting between the hood latch and the hood striker should be adjusted by moving the hood latch vertically and horizontally. After adjustment, tighten the mounting bolts to the specified torque.

Tightening torque:  $9.0 \pm 1.0 \text{ N}\cdot\text{m}$

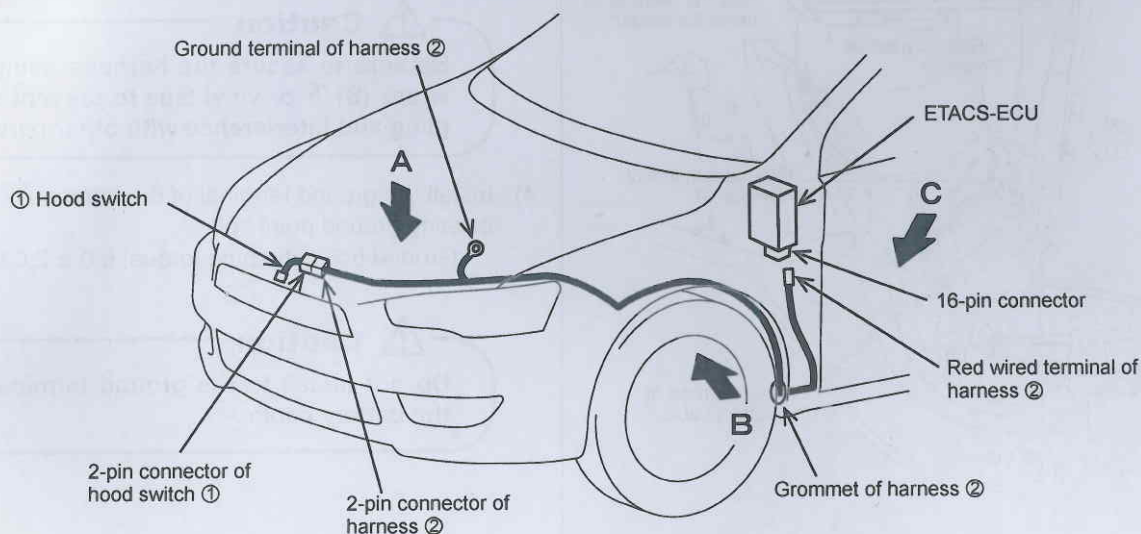


Check

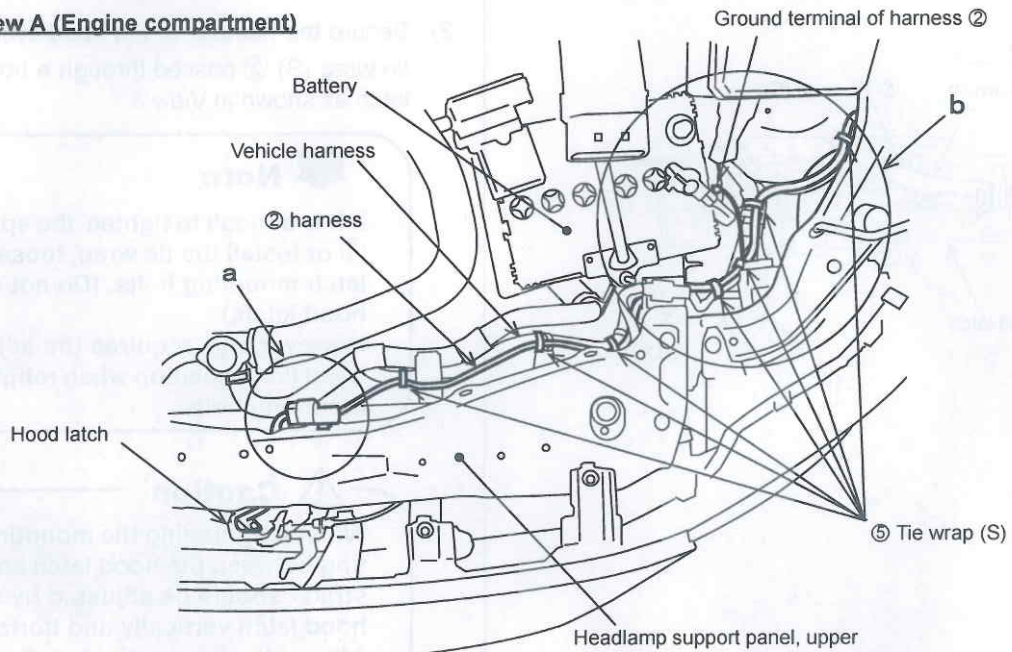
## C. ROUTING THE HARNESS

### Layout of harness

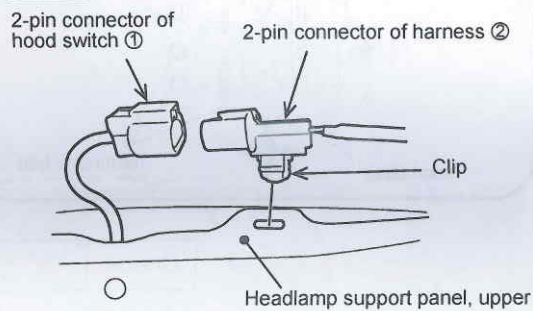
The harness ② should be routed from the engine compartment, through the inside of the fender, to the ETACS-ECU in the cabin.



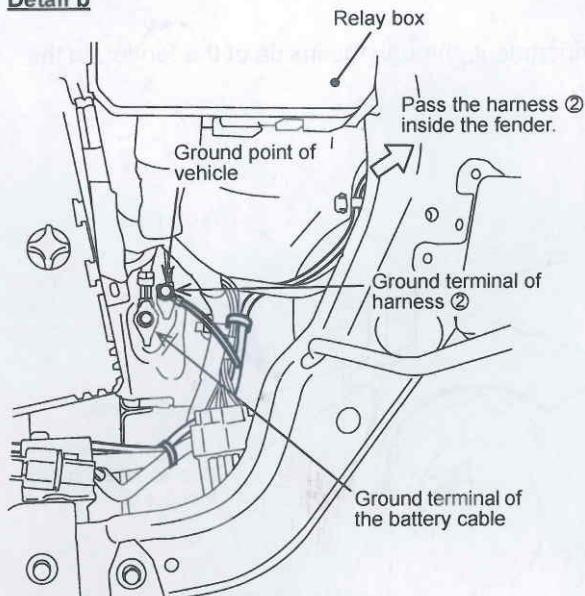
## View A (Engine compartment)



### Detail a



### Detail b



- 1) Connect the 2-pin connectors of the hood switch ① and harness ② securely.
- 2) Fit the clip on the 2-pin connector of the harness ② into the hole on the headlamp support panel.
- 3) Route the harness ② along the vehicle harness and to the inside of the fender. Secure the harness with tie wraps (S) ⑤ as shown in the drawing.

### ⚠ Caution

Be sure to secure the harness using tie wraps (S) ⑤ or vinyl tape to prevent dangling and interference with other parts.

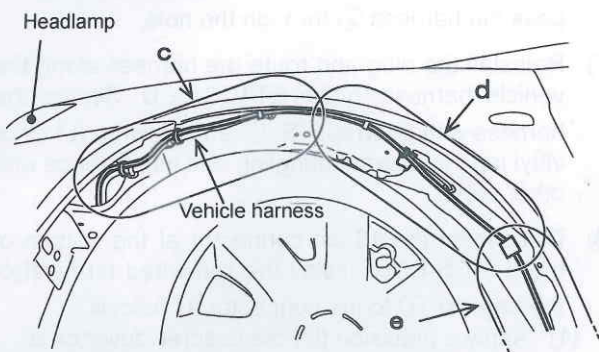
- 4) Install the ground terminal of the harness ② to the existing ground point bolt.  
Ground bolt tightening torque:  $9.0 \pm 2.0 \text{ N}\cdot\text{m}$

### ⚠ Caution

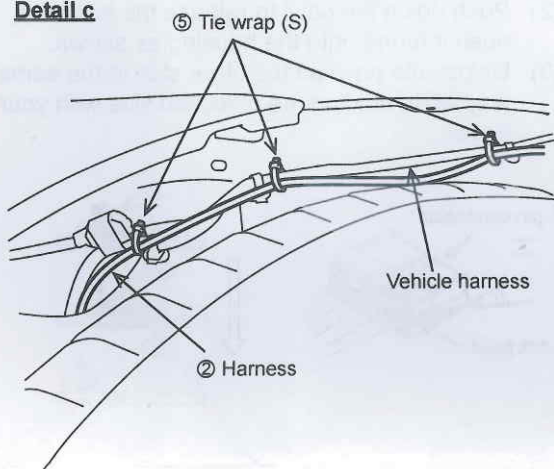
Do not install to the ground terminal of the battery cable.



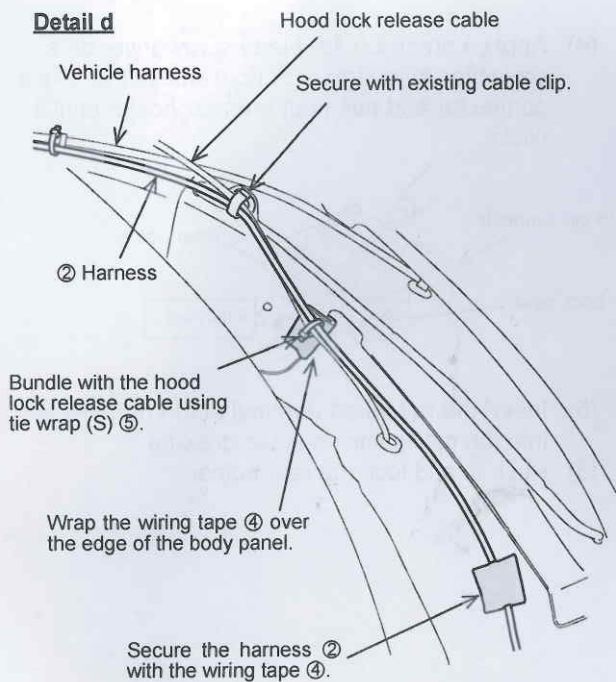
### View B (Inside the fender)



### Detail c



### Detail d



- 5) Route the harness inside the fender, along the vehicle harness and the hood lock release cable. Secure the harness with tie wraps (S) ⑤ and wiring tape ④ to prevent dangling as shown in the drawings.



### Caution

Be sure to wipe off dust and oil from the surfaces where the wiring tape ④ is to be attached using a clean shop towel moistened with isopropyl alcohol or degreaser. Never use organic solvent such as thinner, benzine, gasoline, etc.

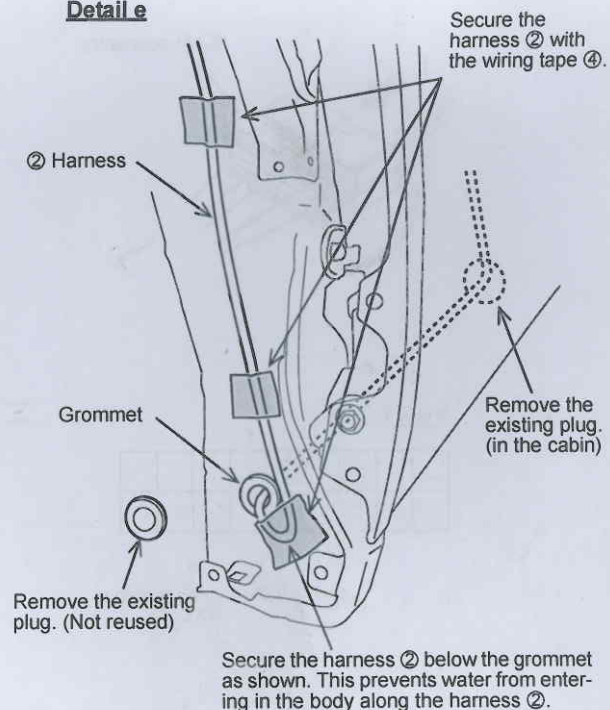
- As shown in Detail d, secure the harness ② with the existing cable clip.
- As shown in Detail d, wrap the wiring tape ④ over the edge of the body panel.
- As shown in Detail e, remove the existing plug and attach the grommet on the harness ② to that opening.



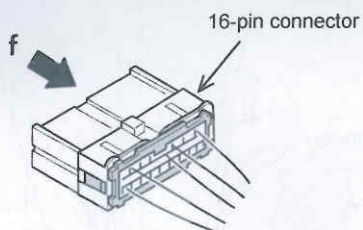
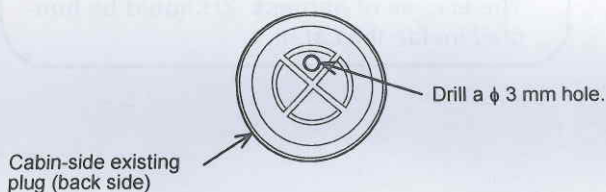
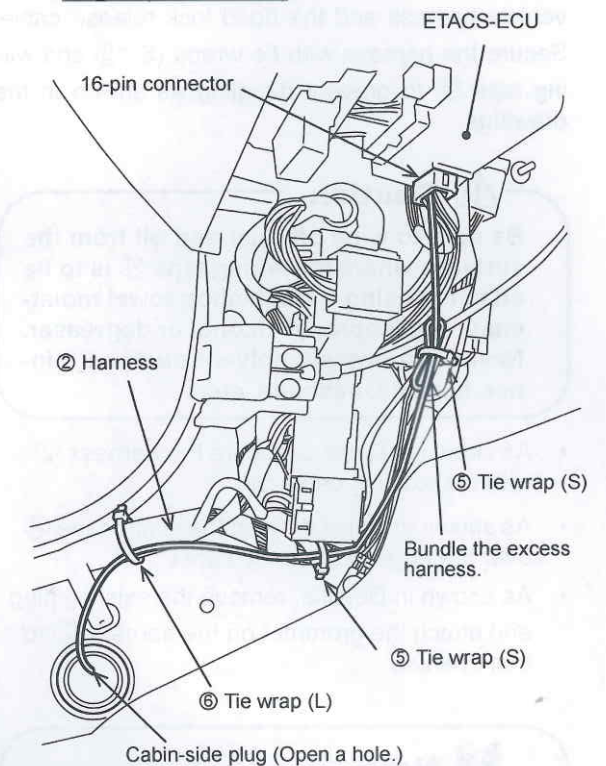
### Note

The excess of harness ② should be bundled inside the cabin.

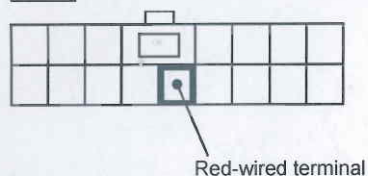
### Detail e



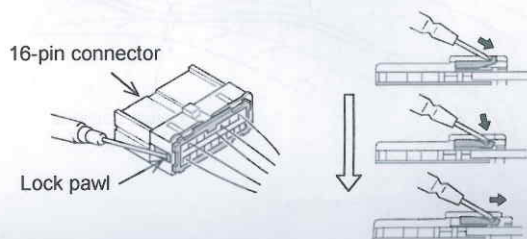
### View C (In the cabin)



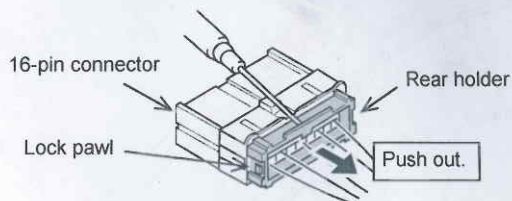
### View f



- 6) Remove the plug in the cabin. Open an approx.  $\phi$  3 mm hole in the plug as shown in the drawing and pass the harness ② through the hole.
- 7) Reinstall the plug and route the harness along the vehicle harness to the ETACS-ECU. Secure the harness with tie wraps (S) ⑤ and tie wrap (L) ⑥ or vinyl tape to prevent dangling and interference with other parts.
- 8) Disconnect the 16-pin connector at the bottom of the ETACS-ECU. Install the red-wired terminal of the harness ② to the connector as follows.
  - (1) Apply a precision flat-blade screwdriver on a pawl of the rear holder at the side of the 16-pin connector.
  - (2) Push down the pawl to release the lock and push it further into the housing as shown.
  - (3) Unlock the pawl on the other side in the same way while holding the unlocked side with your finger.



- (4) Apply a precision flat-blade screwdriver on a projection at the top or bottom side of the 16-pin connector and push out the rear holder until it clicks.



- (5) Insert the red-wired terminal of the harness ② into the cavity shown in the drawing.
- (6) Push in and lock the rear holder.

Check



## D. CHECKING AFTER INSTALLATION

- 1) Check that the connectors are connected firmly.
- 2) Check that the harness is positioned and secured properly.
- 3) Connect the battery negative cable to the battery.

|       |  |
|-------|--|
| Check |  |
|-------|--|

## E. OPERATION INSPECTION

- 1) Perform the operation inspection in accordance with the "Registration and operation check procedure" for the Remote Engine Starter (MZ360272EX).

|       |  |
|-------|--|
| Check |  |
|-------|--|

## F. REINSTALLING THE REMOVED PARTS

- 1) Reinstall the removed parts in accordance with the workshop manual.



### Caution

Be careful not to pinch the harnesses during reassembly.

- 2) Reprogram the radio and audio memories and adjust the clock. For the reprogramming procedure, refer to the owner's handbook.

|       |  |
|-------|--|
| Check |  |
|-------|--|