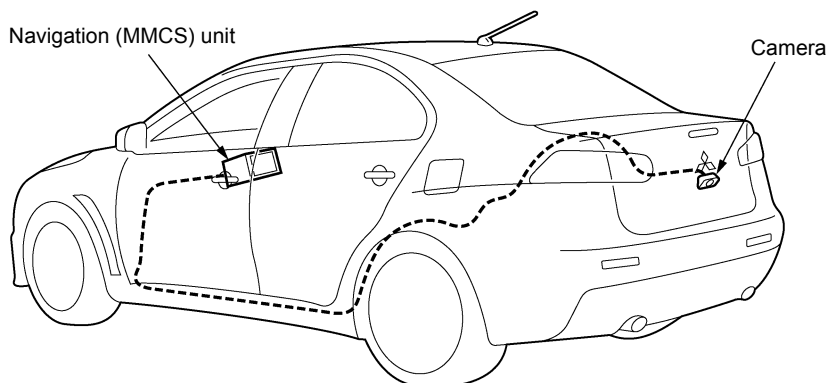


LANCER / LANCER EVOLUTION (2008–) REAR VIEW CAMERA MZ380462EX INSTALLATION AND HANDLING INSTRUCTIONS



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.)

Socket wrench



Phillips screwdriver



Flat-blade screwdriver



Trim remover



Drill



Drill bit ($\phi 3.0$, $\phi 6.5$, $\phi 8.0$ mm)



Hole saw ($\phi 35$ mm)



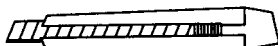
Center punch



File



Utility knife



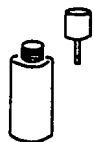
Scissors



Wire



Touch-up paint



Thread-lock cement



Silicone adhesive



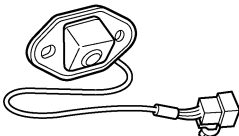

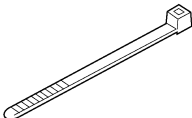
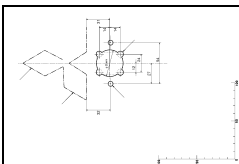
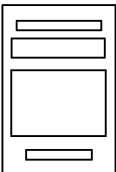
Cloth tape



Vinyl tape

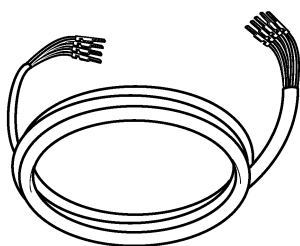


■ COMPONENTS (Make sure that all of the following components were included in the kit.)

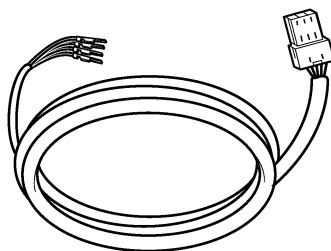
<p>① Camera (CC-1133M-A): 1</p> 	<p>② Flanged nut (M6): 2</p> 	<p>③ Tie wrap: 25</p> 
<p>④ Template</p> 	<p>⑤ Installation and Handling Instructions : 1 (this document)</p> 	

■ REQUIRED COMPONENTS (sold separately)

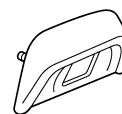
Camera harness (MZ380277EX)
(for Australia)



Camera harness (MZ607384EX)
(for EU and U.S.)



Camera cover

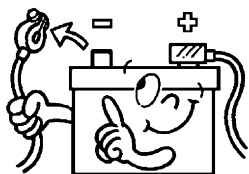


■ PRECAUTIONS

- Be sure to apply the parking brake securely. Remove the ignition key from the key cylinder.
- When removing and reinstalling the vehicle parts, perform the work including the tightening torques in accordance with the workshop manual.
- 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.

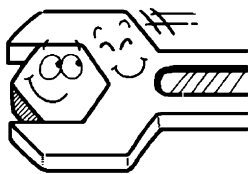
Before installation

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



When installing or removing parts

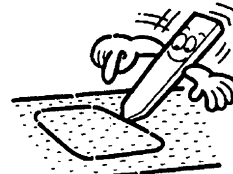
- Loosen or tighten bolts and nuts using tools that match their sizes.



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

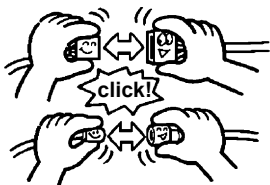


- To remove plastic parts, use a trim remover.

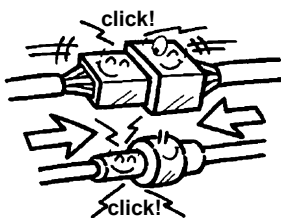


Wiring

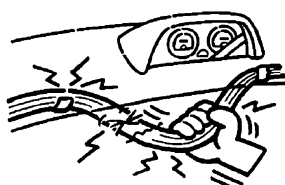
- When disconnecting connectors, first unlock them, then separate the connectors by pulling on themselves, not on cables.



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



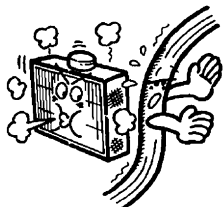
- Do not pull on wiring harnesses strongly.



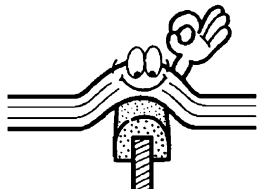
- Do not let harnesses be pinched between parts.



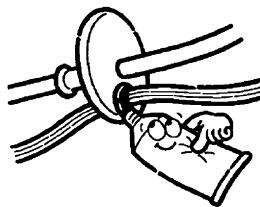
- Route the harness away from hot components such as the engine and radiator.



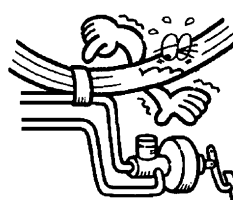
- Protect the harness from sharp edges by covering the edges with tape or other suitable materials.



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

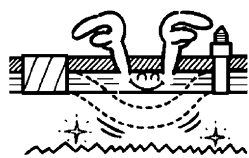


- Do not fasten the harness to brake pipes or high pressure air conditioner pipes.



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.

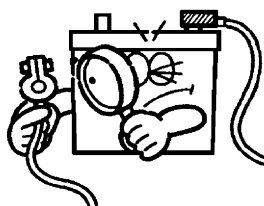


- If one tie wrap is too short, use two connected together.

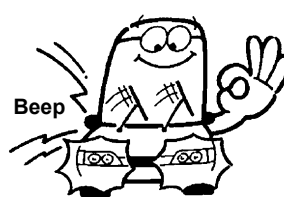


After installation

- 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.

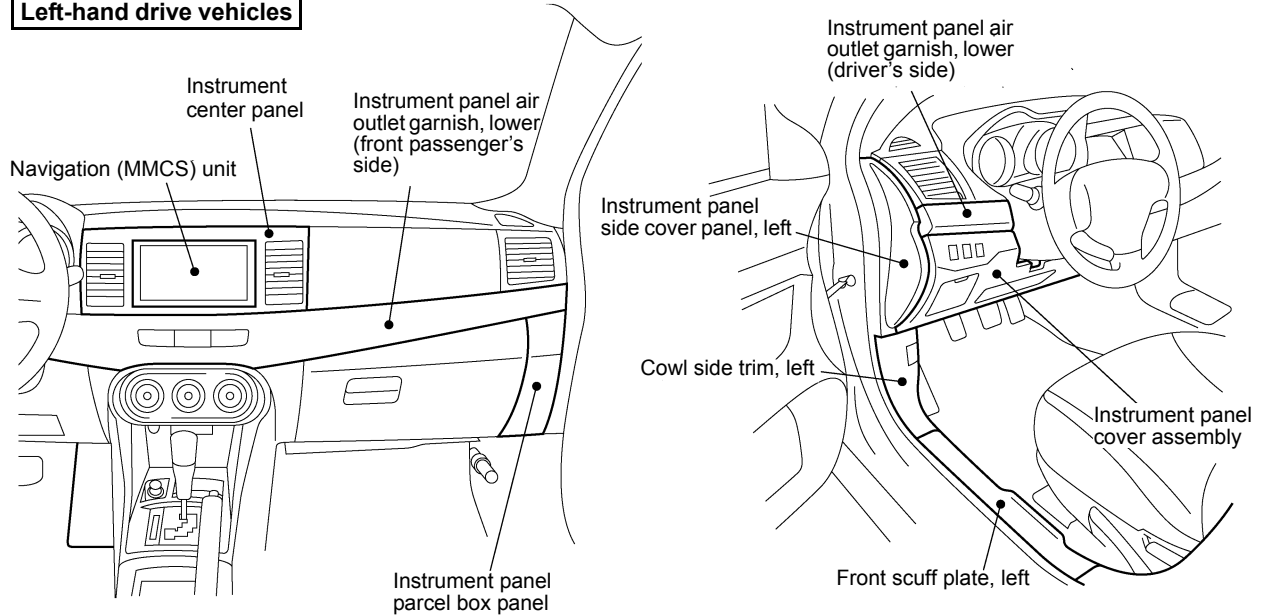


INSTALLATION PROCEDURES

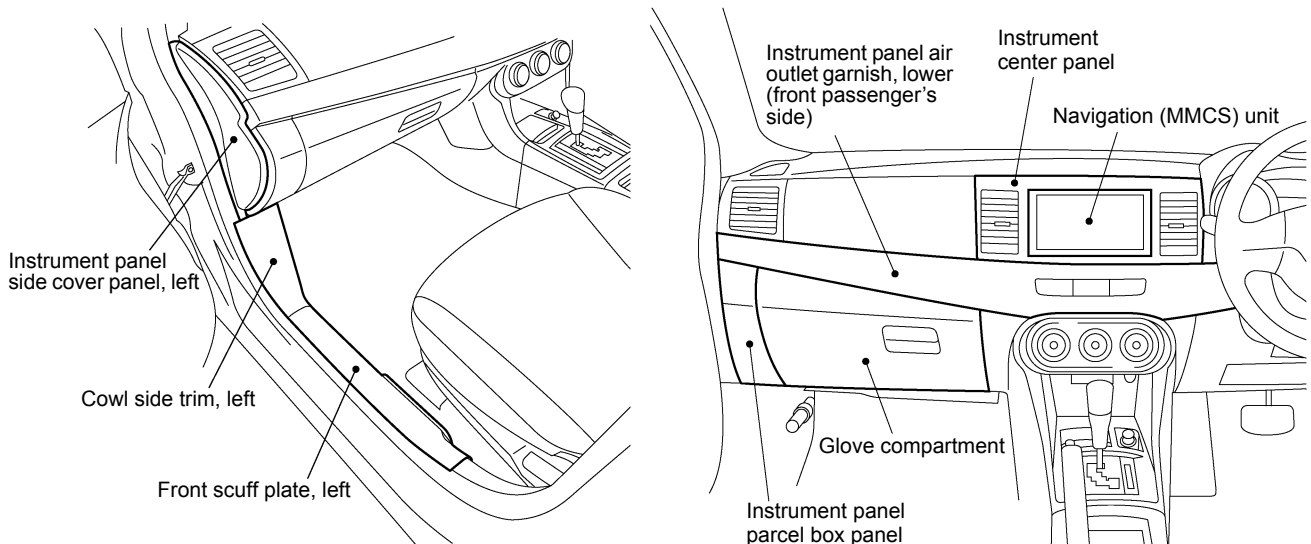
A. REMOVING THE VEHICLE PARTS

- 1) Disconnect the battery negative cable.
- 2) Remove the vehicle parts shown in the drawings.

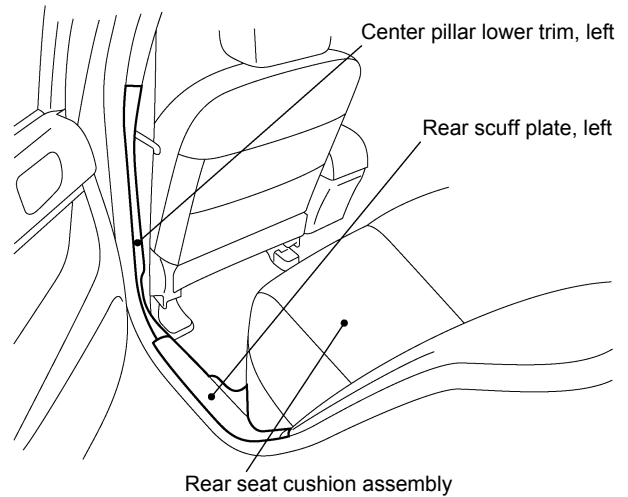
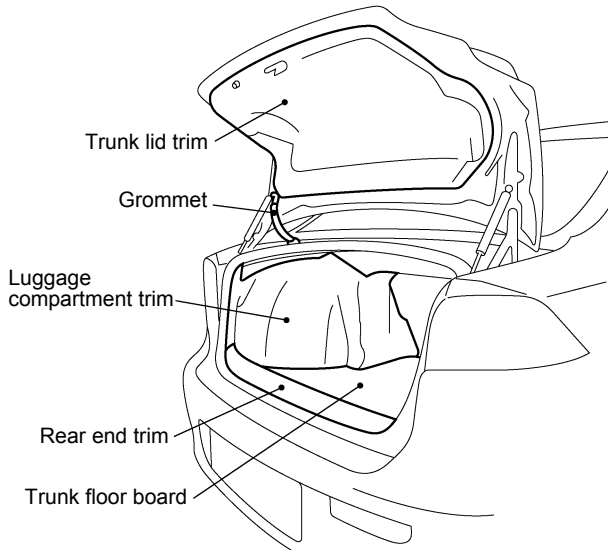
Left-hand drive vehicles



Right-hand drive vehicles

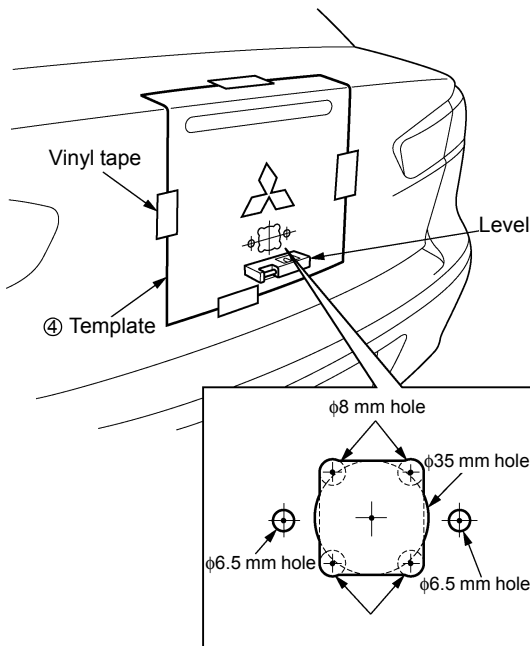


Left-hand drive and right-hand drive vehicles

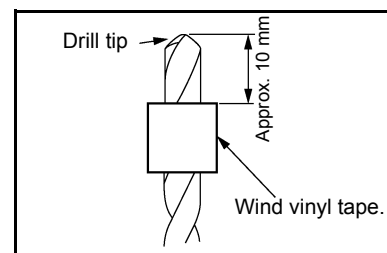


Check

B. MODIFYING THE TRUNK LID PANEL



- 1) Cut out the template ④.
- 2) Attach the template ④ on the trunk lid panel using vinyl tape. Level adjustment of the template ④ should be performed accurately using a level.
- 3) Mark the centers of the seven drilling holes using a center punch.
- 4) Apply the cloth tape at the backside of the drilling positions on the trunk lid panel to prevent the drilling chips from scattering around.
- 5) Wrap the drill bit with vinyl tape at the position 10 mm away from the drill tip to prevent it from penetrating unnecessarily.



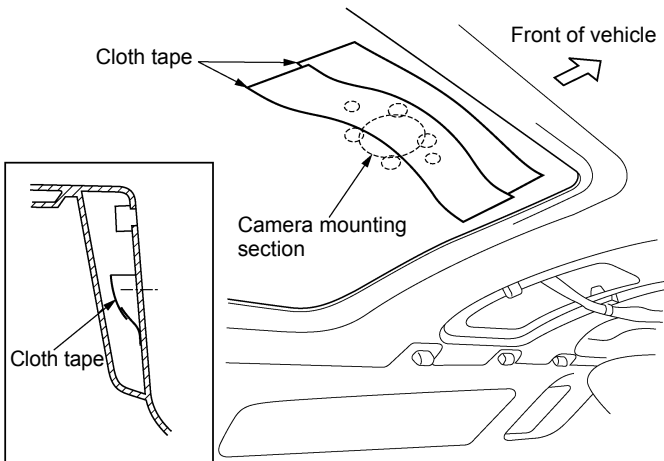
- 6) Remove the template. Using the punched marks as references, drill the following holes.
 - φ6.5 mm hole × 2: φ3 mm base hole → φ6.5 mm hole
 - φ8 mm hole × 4: φ3 mm base hole → φ6 mm base hole → φ8 mm hole
 - φ35 mm hole × 1: φ3 mm base hole → φ35 mm hole (using a hole saw)

⚠ Caution

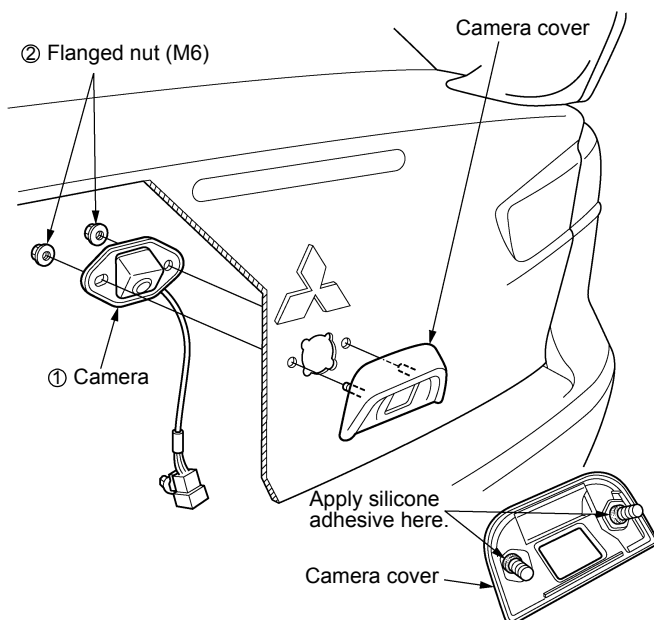
- During drilling work, always wear goggles to protect your eyes from drilling chips.
- Before drilling, make sure that there are no harnesses and pipes behind the drilling position. If any harness or pipe is damaged, it could cause a fire or short-circuit.

- 7) After drilling, shape the camera mounting hole roughly to a square hole using a file so that the camera ① can be mounted.
- 8) Remove the burrs around the drilled holes using a file. Apply touch-up paint to prevent corrosion.

Check



C. INSTALLING THE CAMERA



- 1) Apply silicone adhesive to the base of the two stud bolts at the back of the camera cover.

⚠ Caution

Be sure to apply the silicone adhesive. Otherwise water leaks will occur resulting in the formation of rust.

- 2) Install the camera cover on the trunk lid.
- 3) From the backside of the trunk lid, install the camera ① with two flanged nuts ②.

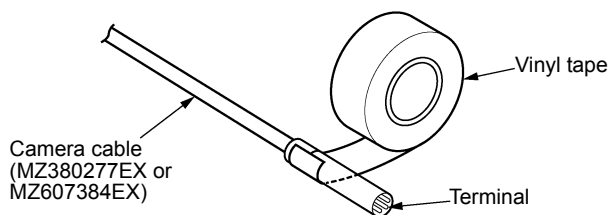
Tightening torque: 5 ± 1 N·m

⚠ Caution

Be sure to apply thread-lock cement to the nuts ② to prevent them from loosening.

Check

D. COVERING THE CAMERA CABLE TERMINALS



- 1) Before routing the camera cable, wrap its terminals to their ends with vinyl tape so as not to damage them during routing.



Caution

When winding the vinyl tape, be careful not to bend or break the terminals. Such damage may result in an open circuit or poor contact.

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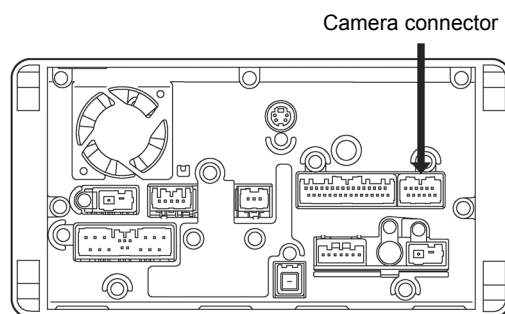
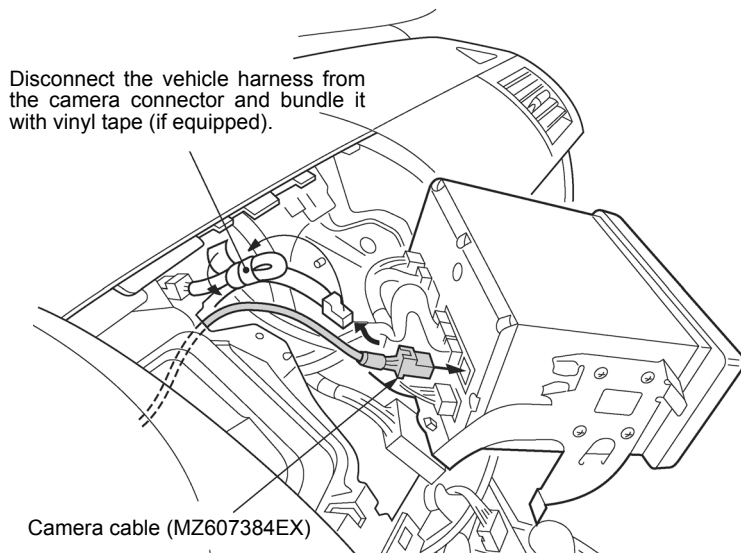
E-1. CONNECTING THE CAMERA CABLE TO THE NAVIGATION UNIT (for EU and U.S.)

- 1) Use the camera cable MZ607384EX. Connect the connector of the camera cable to the camera connector at the backside of the navigation (MMCS) unit.



Note

If a vehicle harness is already connected to the camera connector, disconnect the harness and bundle it with vinyl tape within the dashboard. (This vehicle harness will not be used.)

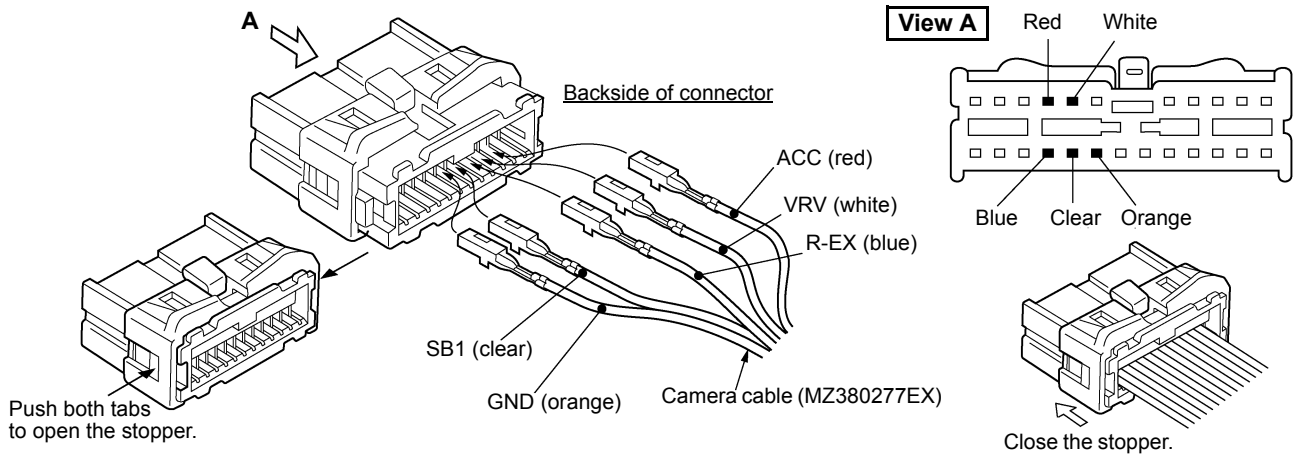


* A left-hand drive vehicle is shown.

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E-2. CONNECTING THE CAMERA CABLE TO THE NAVIGATION UNIT (for Australia)

- 1) Disconnect the 24-pin connector from the backside of the navigation (MMCS) unit.
- 2) Open the stopper of the 24-pin connector.



- 3) Use the camera cable MZ380277EX. Insert the five terminals of the camera cable into the cavities of the 24-pin connector as shown in the drawing.



Caution

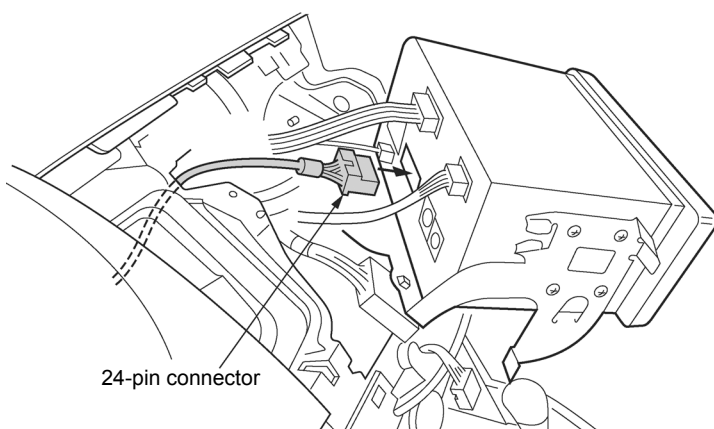
Be sure to insert the connector into the correct cavity. Incorrect installation may damage the navigation (MMCS) unit.



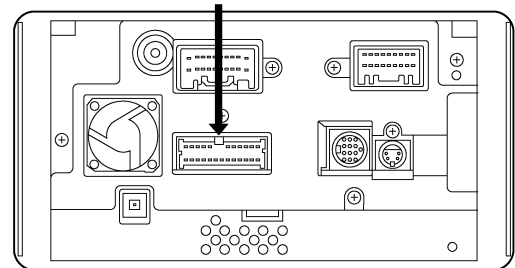
Note

The camera cable has a 5-terminal end and a 4-terminal end.

- 4) Close the stopper of the 24-pin connector.
- 5) Reconnect the 24-pin connector to the backside of the navigation (MMCS) unit.

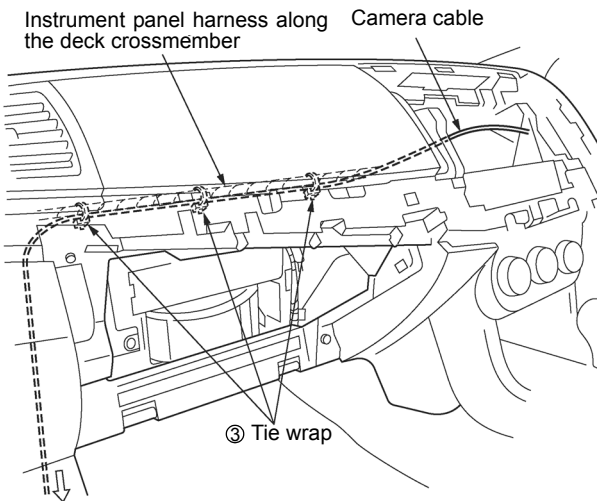
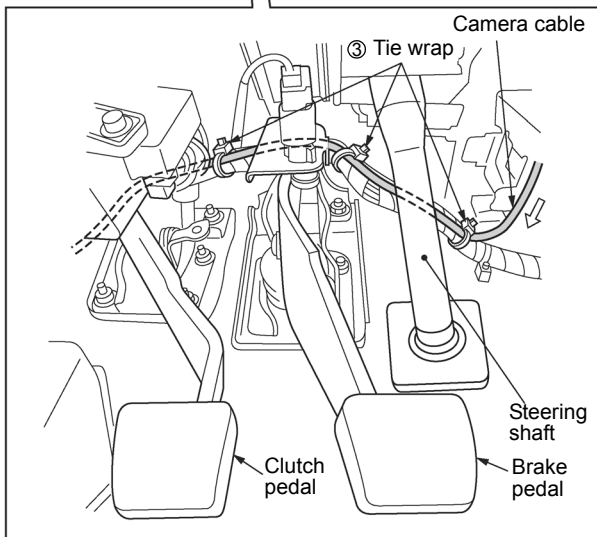
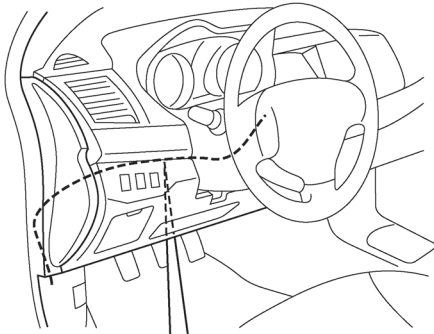


Reconnect the 24-pin connector here.



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F. ROUTING THE CAMERA CABLE IN THE CABIN



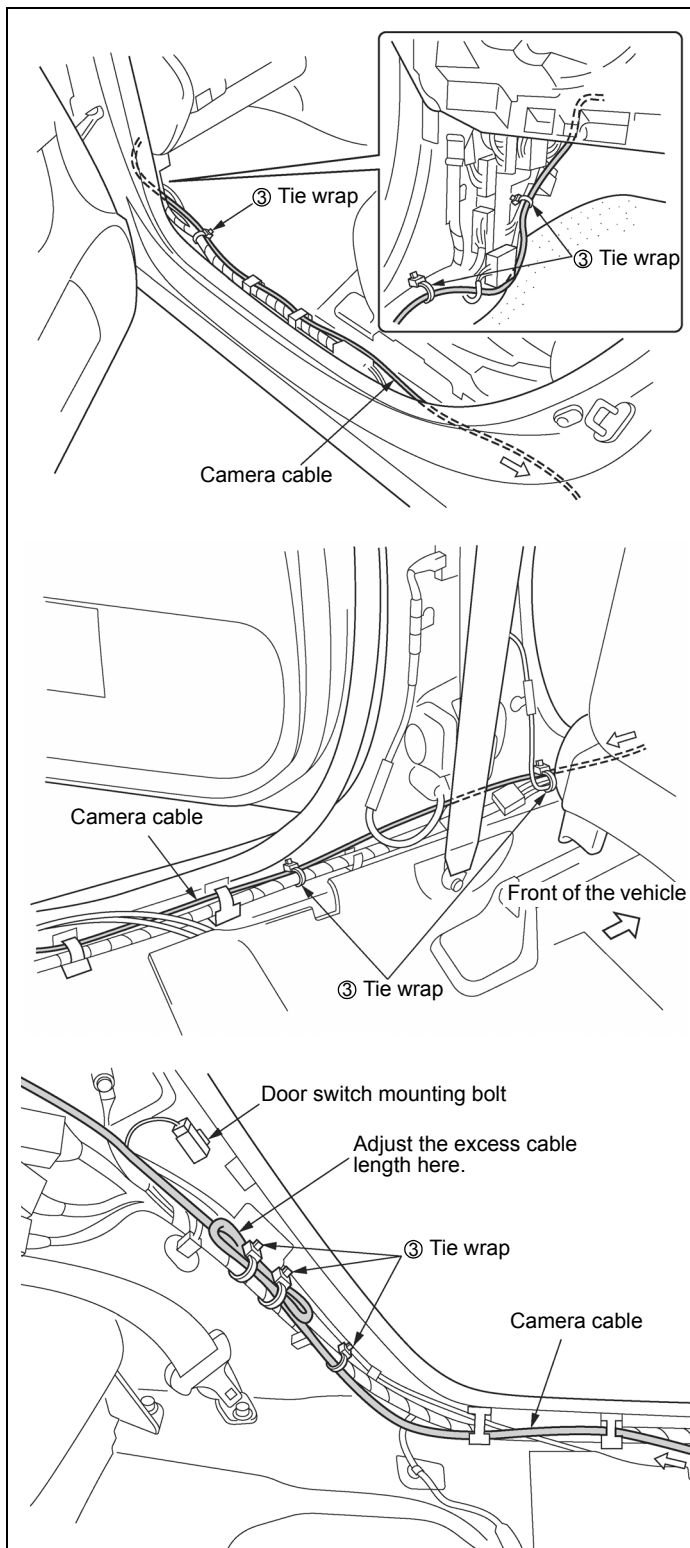
- 1) Route the camera cable toward the left side of the vehicle.

Left-hand drive vehicles

Bundle the camera cable with the vehicle harness at the bottom of the steering shaft using the tie wraps ③.

Right-hand drive vehicles

Bundle the camera cable with the instrument panel harness along the deck crossmember using the tie wraps ③.



- 2) Route the camera cable along the interior side of the vehicle harness as shown in the drawing. Keep the cable away from the spot-welding points. Bundle the camera cable with the vehicle harness using the tie wraps ③.

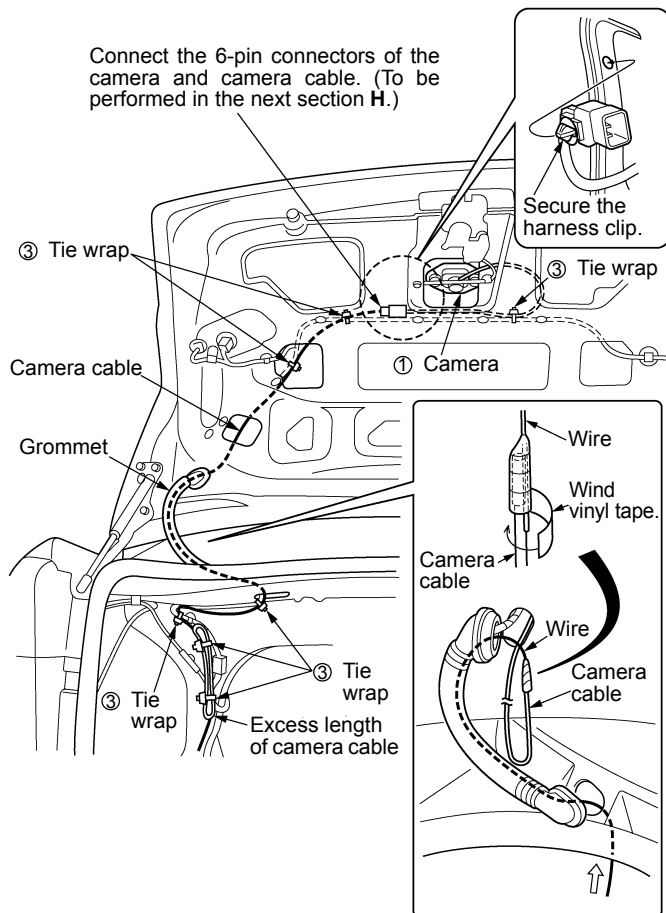


Caution

- Do not bundle the camera cable with the fuel lid opener cable.
- Adjust the excess cable length between the door switch mounting bolt and the scuff plate, by bundling within approx. 200 mm.

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G. ROUTING THE CAMERA CABLE IN THE TRUNK LID



- 1) Release both ends of the grommet from the trunk lid panel and body.
- 2) Using a wire, pass the camera cable through the grommet into the trunk lid panel.



Caution

- When passing the camera cable through the grommet using a wire, be careful not to damage the grommet, vehicle harness, camera cable and its terminals.
- Never pull the camera cable violently as it may break the cable.



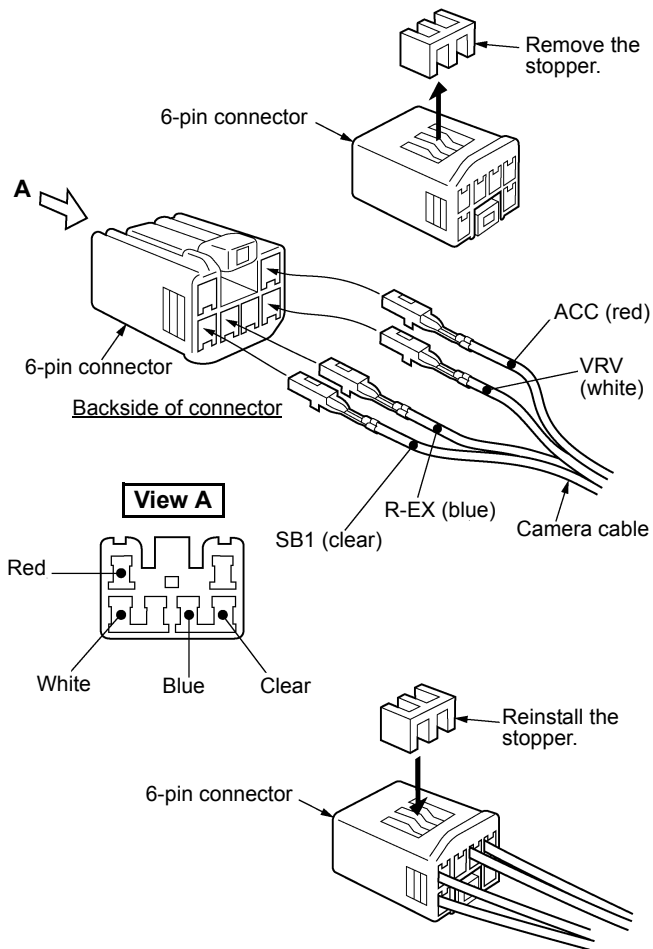
Note

Applying a small amount of soapy water in the grommet will facilitate the work.

- 3) Route the camera cable along the vehicle harness. Bundle the camera cable with the vehicle harness using the tie wraps ③.
- 4) Reinstall the grommet.

Check	
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H. INSTALLING THE 6-PIN CONNECTOR TO THE CAMERA CABLE



- 1) Prepare the 6-pin connector supplied together with the camera cable.
- 2) Remove the stopper from the connector.
- 3) Peel off the vinyl tape covering the terminals of the camera cable for protection.



Caution

Peel off carefully, otherwise an open-circuit or poor connection of the cable will result.

- 4) Insert the four terminals of the camera cable into the cavities of the connector as shown in the drawing.



Caution

Be sure to insert the connector into the correct cavity. Incorrect installation may cause damage to the navigation (MMCS) unit.

- 5) Reinstall the stopper.
- 6) Connect the 6-pin connector of the camera cable to the 6-pin connector of the camera ①.

Check	
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I. CHECKING AFTER INSTALLATION

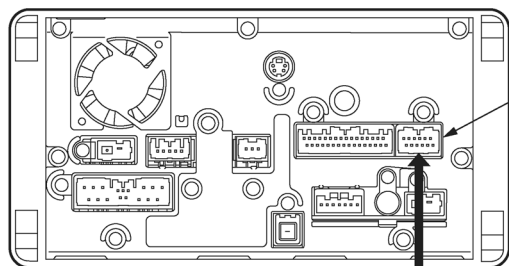
- 1) Reinstall all the removed parts to the vehicle in accordance with the workshop manual.
- 2) Reconnect the battery negative cable.
- 3) Check that the electrical systems operate properly.
- 4) Reprogram the radio and audio memories and adjust the clock. For the reprogramming procedure, refer to the owner's handbook.

Check	
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CABLE CONNECTION

For EU and U.S.

Navigation (MMCS) unit



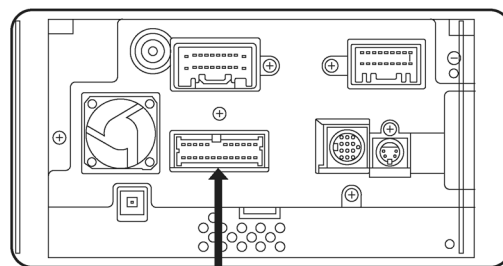
Camera connector

Camera cable
(MZ607384EX)

Rear view
camera

For Australia

Navigation (MMCS) unit



24-pin connector

Camera cable
(MZ380277EX)

Rear view
camera

LANCER

Template for rear view camera

