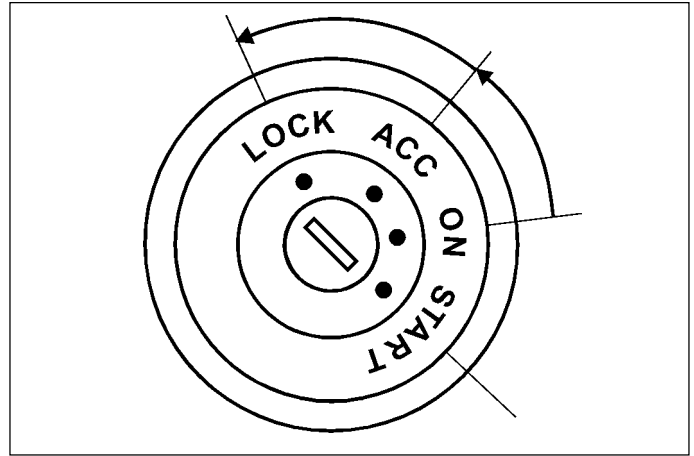
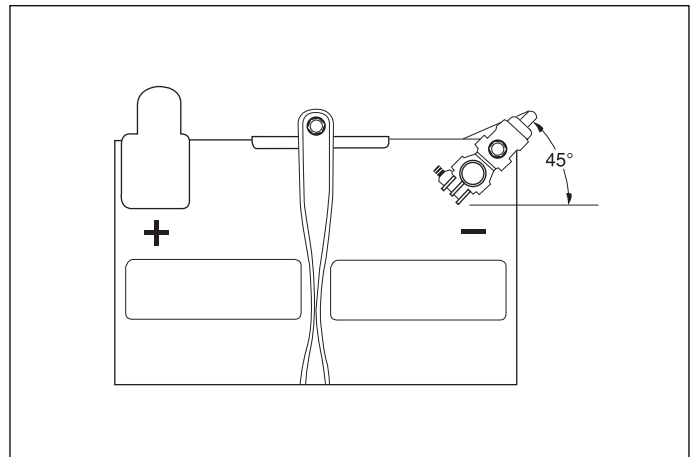


1. Supplemental Restraint System SRS

- 1.1. Failure to carry out procedures listed below could result in possible deployment of airbag, personal injury, or unnecessary repairs to SRS.
- 1.2. Turn the key switch to the LOCK position.
- 1.3. Remove key from ignition switch.



- 1.4. Disconnect the negative battery cable.



■ 10mm wrench

- 1.5. Never use a voltmeter to troubleshoot any of the harnesses or connectors to the SRS. Accidentally probing the connectors to the SRS can lead to deployment of the airbag.
- 1.6. SRS wire harness loom/cover is bright yellow in color.

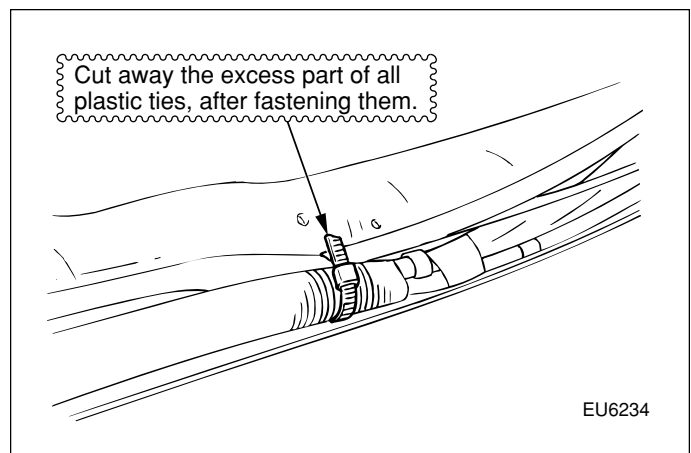
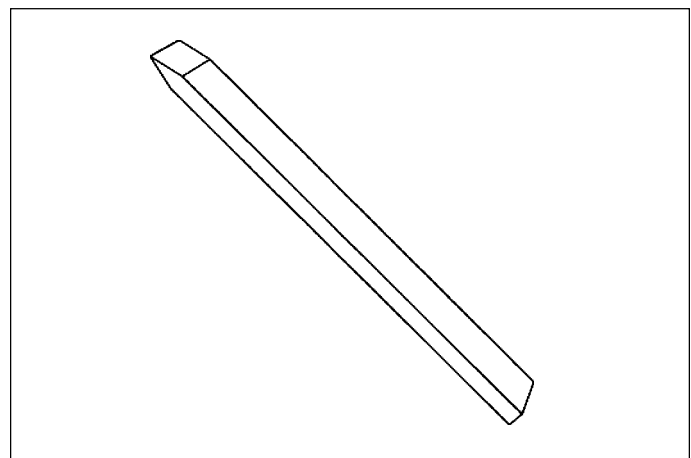
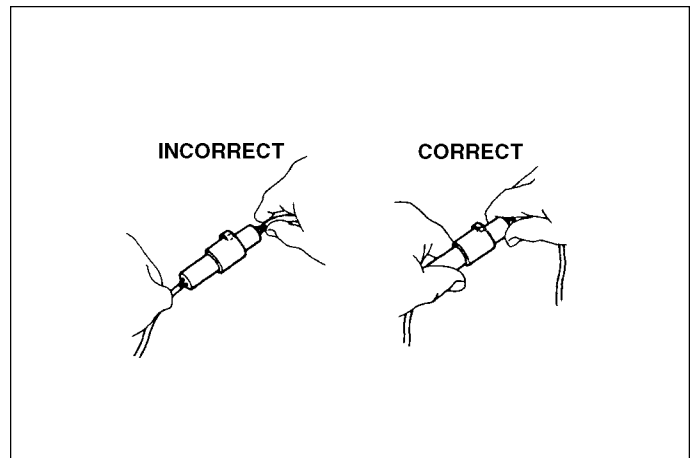


2. Wiring Precautions

- 2.1. **DO NOT** pull on vehicle wires and/or wire harnesses. To uncouple electrical connectors, pull only on the connector itself.
- 2.2. Use nylon ties and adhesive foam strips to secure the vehicle harness and the trailer wire harness.
- 2.3. Ensure all wires are properly insulated from ground.
- 2.4. When installing the trailer wire harness, make sure it is not cut or perforated by any sharp metal objects.

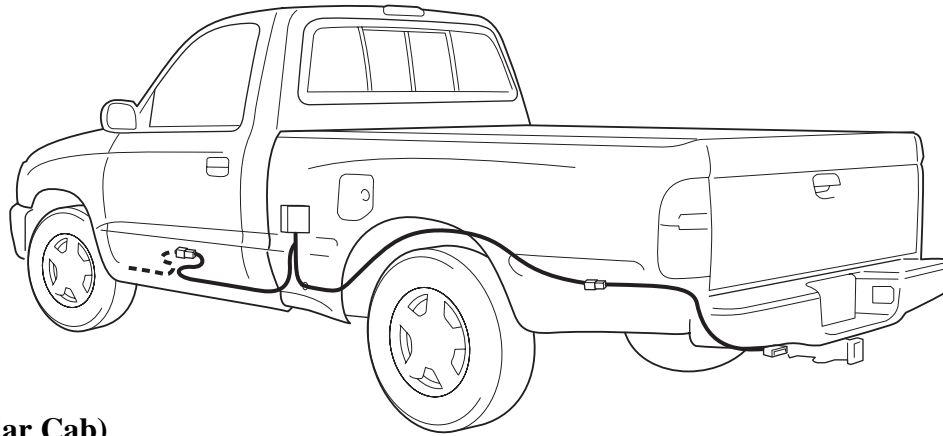
3. General Practices and Procedures

- 3.1. Before starting installation, refer to the supplemental restraint system procedures in Section 1.
- 3.2. Take care not to scratch any part of the vehicle. Bind the tips of tools (clip remover, slot screw driver, etc.) with vinyl tape to prevent damage to any part of the car, or use a nylon removal tool (resin based prying tool).
- 3.3. Use a small parts container to store removed bolts and tapping screws so that they can be reassembled correctly.
- 3.4. Ensure seat/floor protectors are in position.
- 3.5. After fastening plastic ties clip away all the excess of the ties using diagonal pliers.

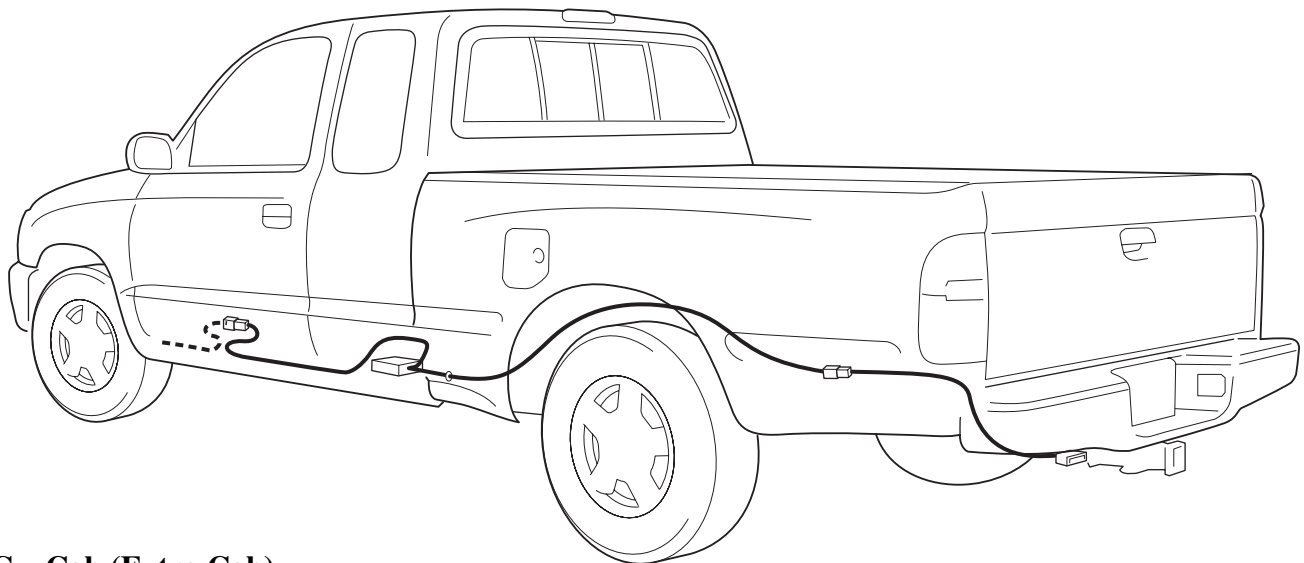


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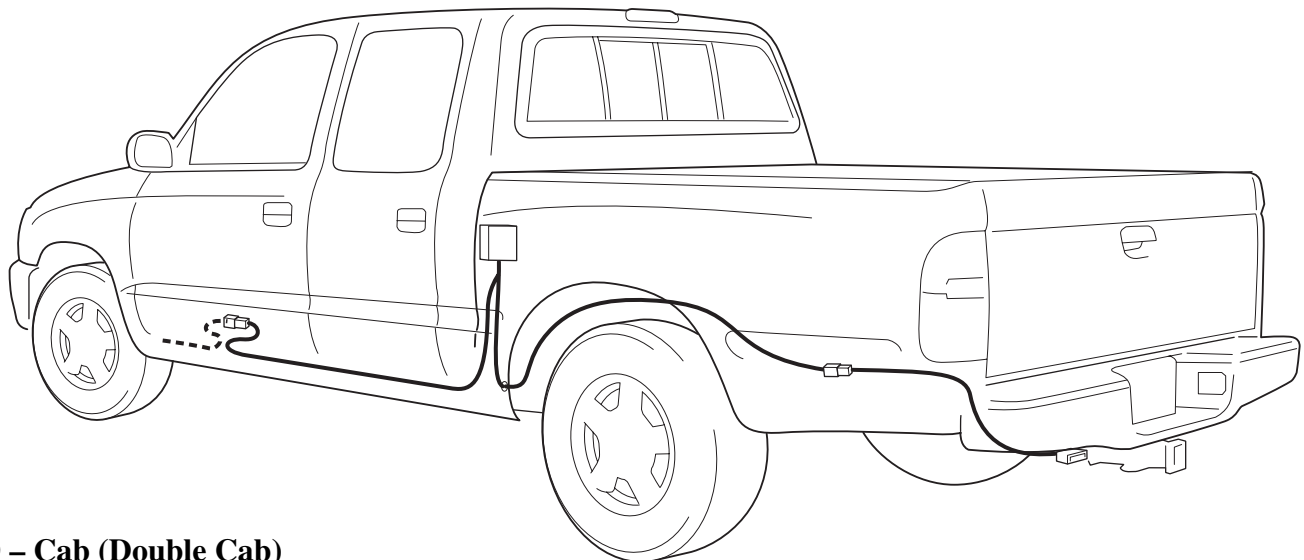
Installation Outline for Trailer Wire Harness Components



B – Cab (Regular Cab)

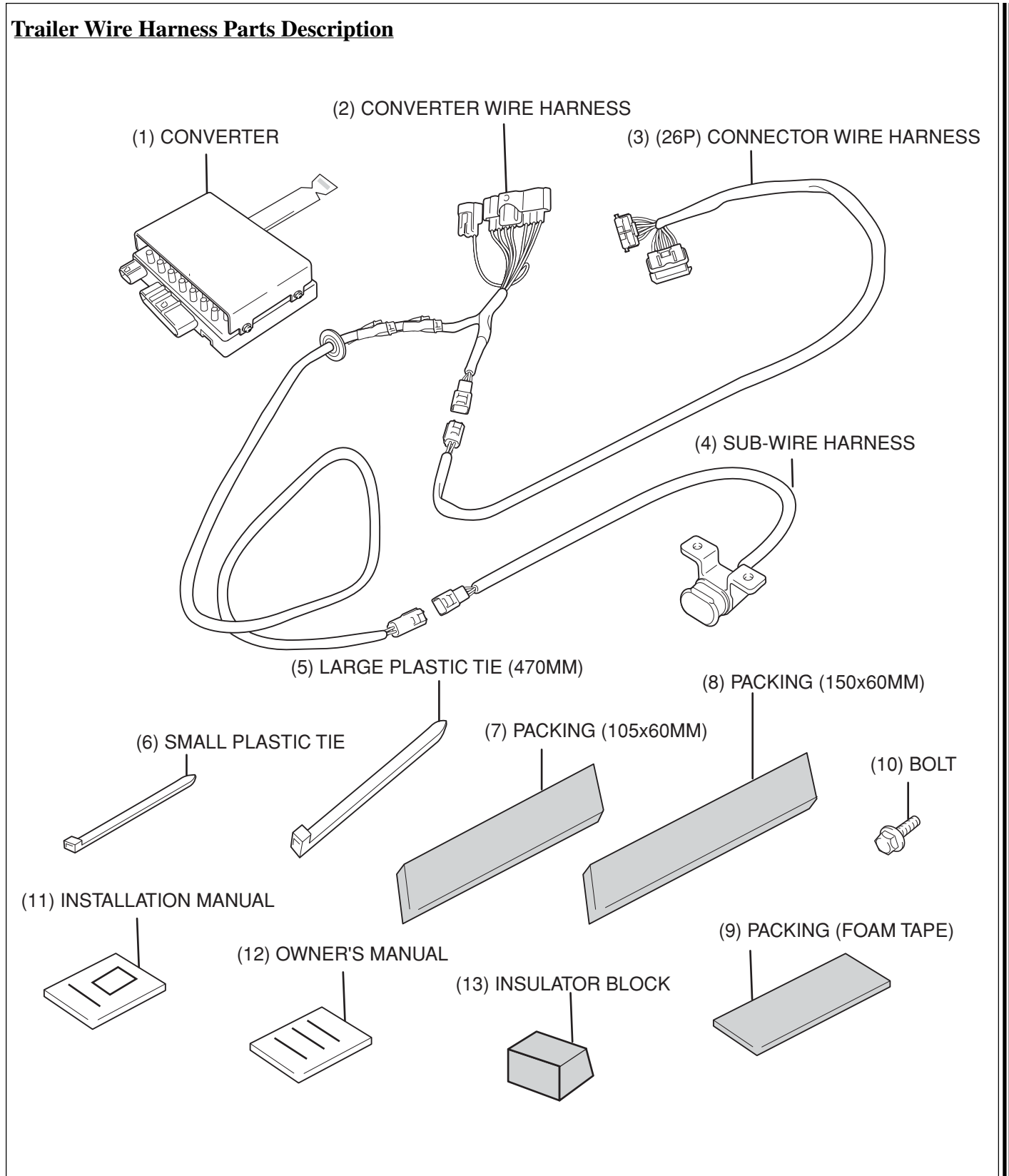


C – Cab (Extra Cab)



D – Cab (Double Cab)

Trailer Wire Harness Parts Description



Section II - Installation Procedure

Section II – Installation Procedure

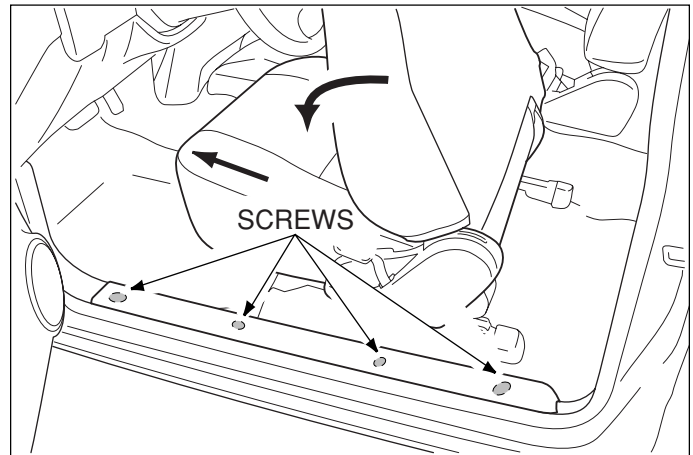
For (B Cab) (Regular Cab) Installation Refer to Section II, Paragraphs A, B, & C

For (C Cab) (Extra Cab) Installation Refer to Section II, Paragraphs D & E

For (D Cab) (Double Cab) Installation Refer to Section II, Paragraphs F, G & H

A. Interior Parts Removal (B Cab) (Regular Cab)

- ⊕ 1. Before installation, remove the (-) terminal of the battery.
- 2. Seat and scuff plate
 - ➔ i. Move seat forward and tilt the back of the seat forward. (Fig A1)
 - ➔ ii. Remove the 4 screws from the scuff plate and remove scuff plate. (Fig A1)

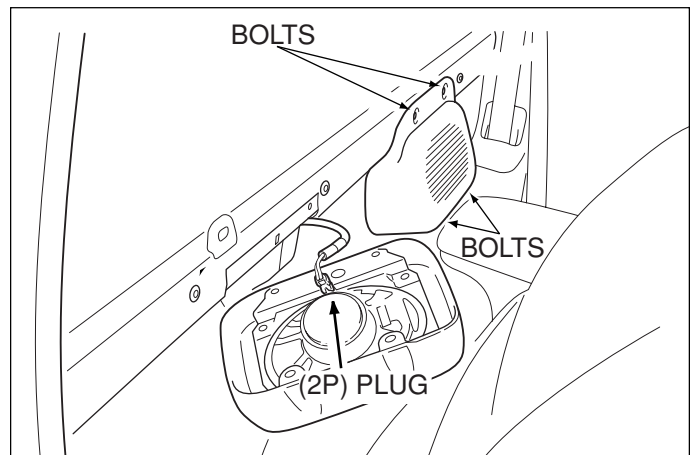


■ Phillips #2 screwdriver

Fig. A1

- 3. Speakers (if equipped and vehicle has rear cab wall trim panel)
(If there is no rear cab wall trim panel, go to step #7.)

- ➔ i. Remove 4 bolts from each speaker. (Fig. A2)
- ➔ ii. Disconnect (2P) plug as shown. (Fig A2)

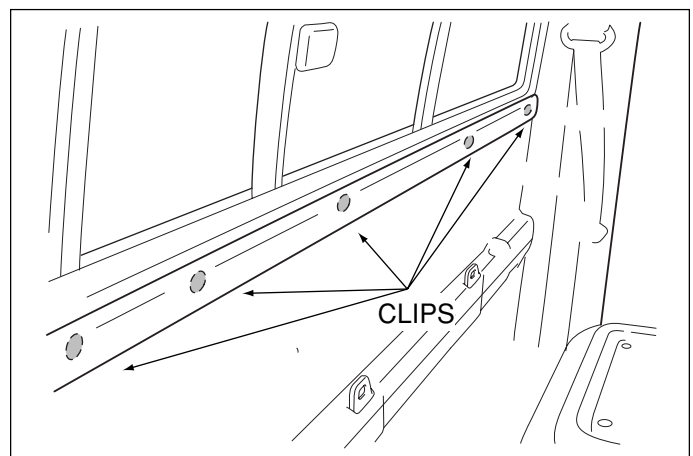


■ Ratchet, 6" extension, 10mm socket

Fig. A2

- 4. Rear window lower trim (if equipped with rear cab wall trim panel – if not then go to Step 7)

- ➔ i. Remove rear window lower trim. (Fig. A3)



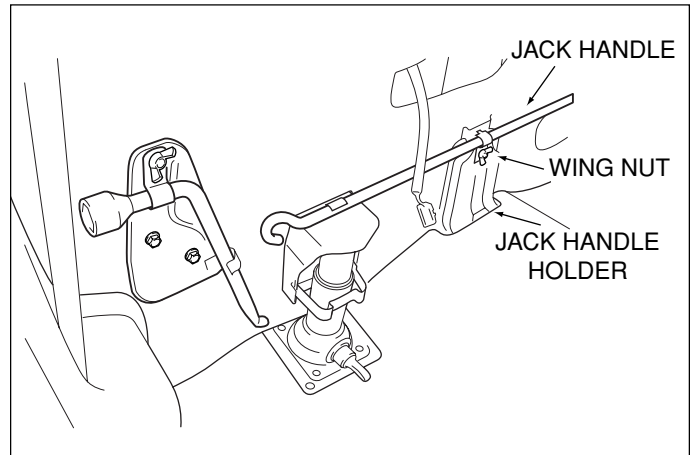
■ Nylon removal tool

Fig. A3

5. Jack handle (if equipped with rear cab wall trim panel)



i. Loosen the wing nut and remove jack handle. (Fig. A4)



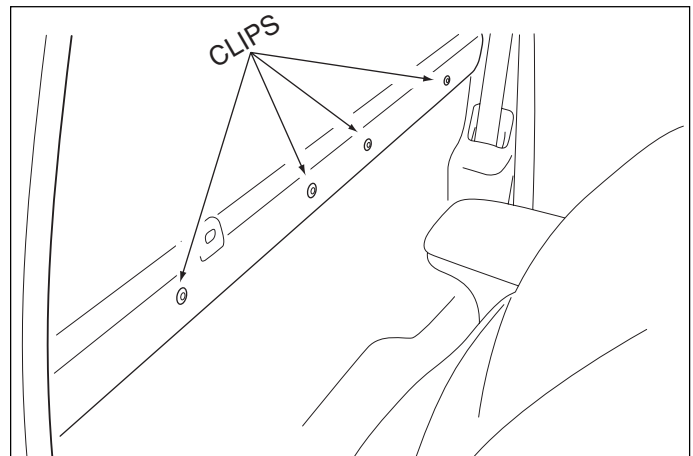
■ Ratchet, 10mm socket

Fig. A4

6. Rear trim panel and grommet (if equipped with rear cab wall trim panel)



i. Remove 4 retainer clips and remove the rear cab wall trim panel. (Fig. A5)



■ Nylon removal tool

Fig. A5

7. Jack handle (without trim panel)



i. Remove wing nut and then remove jack handle. (Fig. A6)

(With or without rear cab wall trim)



ii. Remove rear wall grommet. (Fig. A6)

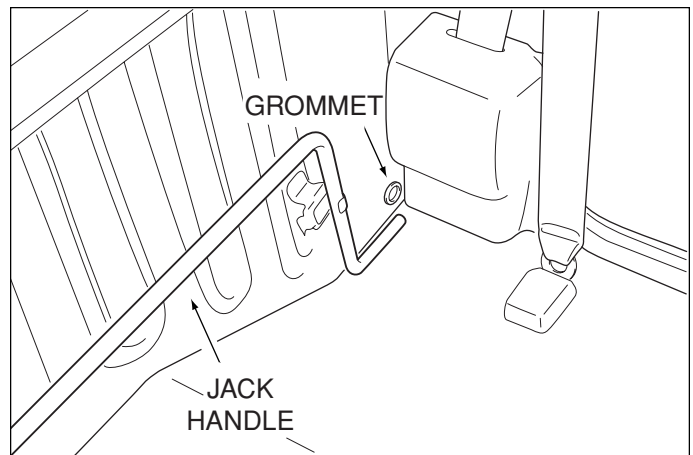
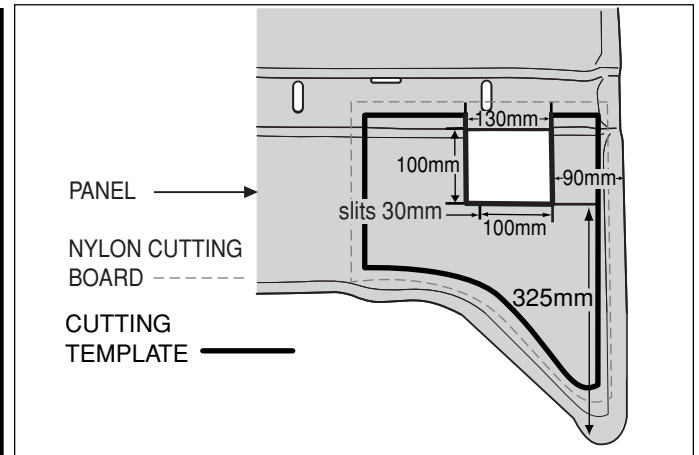


Fig. A6

B. Preparation (B Cab) (Regular Cab)

1. Rear cab wall trim panel

- ➔ i. Place nylon cutting board between rear cab wall and rear wall trim panel.
- ➔ ii. Place cutting template on top of rear wall trim panel and cut to specification. (Fig. B1)



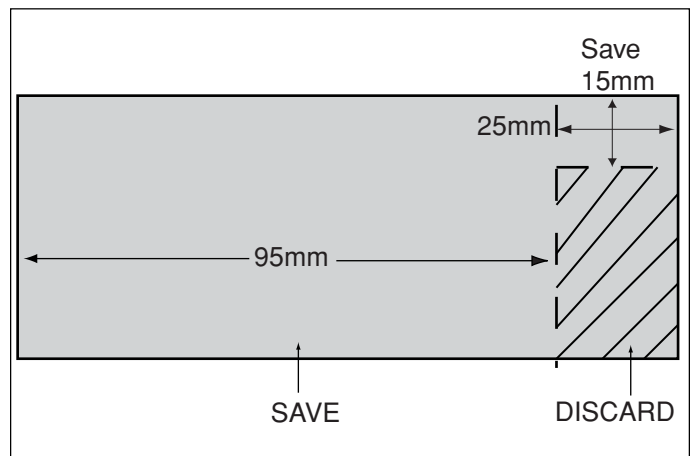
Utility knife

Fig. B1

2. Cutting of packing

- ➔ i. Cut one packing (foam tape) as shown and discard the lined area. (Fig. B2)

Caution: Do not cut the 105x60mm or the 150x60mm packing.



Utility knife

Fig. B2

3. Mounting surface

- ⊘ i. Thoroughly clean mounting surface on the rear cab wall with 3M Prep Solvent -70. (Fig. B3)
- ⊕ ii. Wear proper materials and safety goggles when performing this procedure.
- ➔ iii. Attach small packing (25x15mm) (foam tape) to the rear cab wall brace as shown. (Fig. B3)
- ➔ iv. Temporarily apply cloth tape to protect the paint on the rear cab wall and the rear cab wall support brace as shown. (Fig. B3)

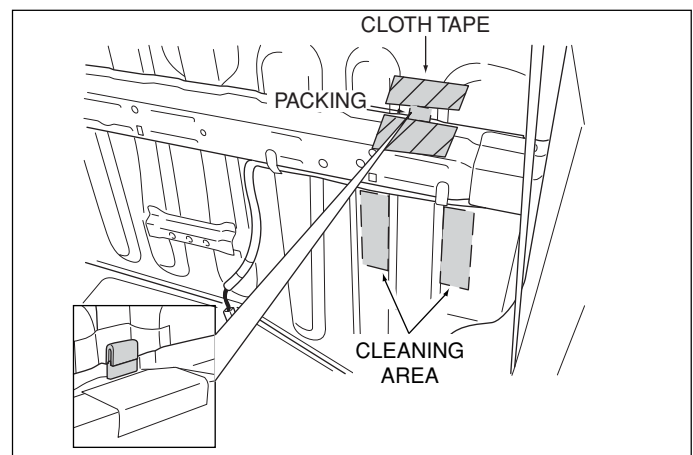
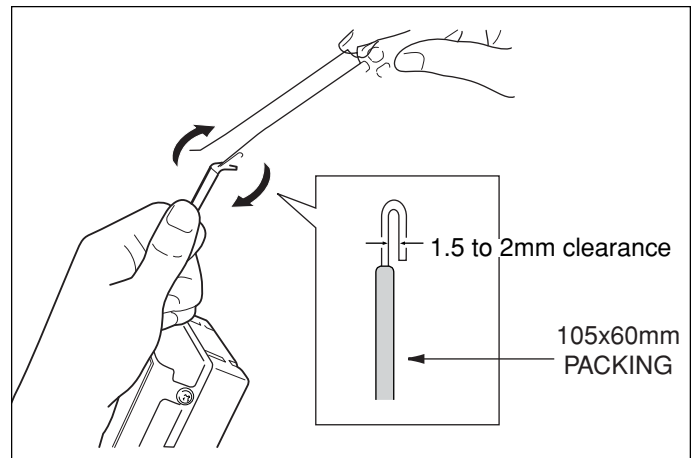


Fig. B3

4. Bending the mounting bracket
 - i. Bend the top section of the mounting bracket using a flat blade screwdriver or appropriate tool, as shown. (Fig. B4)
 - ii. Close the bend, using pliers, so there is between 1.5mm - 2.0mm clearance in the bend area. (Fig. B4)
 - iii. Remove the protective paper from the packing (105x60mm) and wrap it around the mounting bracket as shown. (Fig. B4)



■ Flat Blade Screwdriver [-]

Fig. B4

C. Installation (B Cab) (Regular Cab)

1. Converter installation
 - i. Carefully slide converter mounting bracket between the rear cab wall ribs so the pre-bent area is above the upper rail of the rear cab wall support brace. (Fig. C1)
2. Securing converter assembly
 - i. Using a flat blade screwdriver, open the bent area of the converter mounting bracket enough to allow it to hook over the rear cab wall support top rim. (Fig. C2)
 - ii. Move the converter assembly down until the mounting bracket is hooked over the rail of the rear cab wall support brace. (Fig. C2)
 - iii. Remove the butyl tape protector paper and press the converter firmly against the rear cab wall. (Fig. C2)
 - iv. Use duckbill pliers to tighten the mounting bracket to the rear cab wall support brace. (Fig. C2)

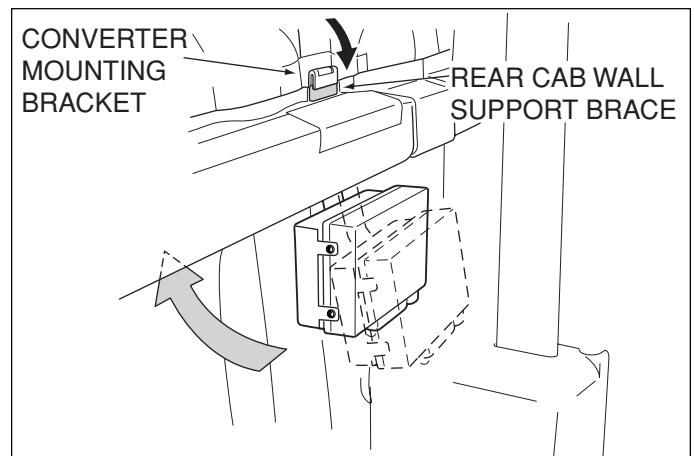
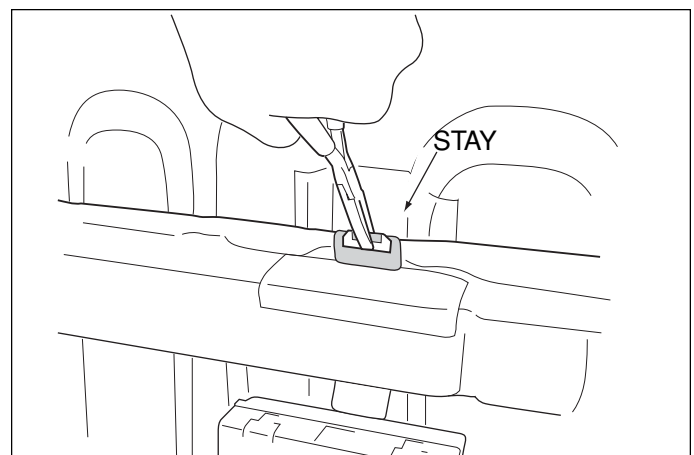


Fig. C1



■ Duckbill pliers

Fig. C2

Section II - Installation Procedure

3. Kit harness

- ➔ i. Connect the (8P) and (2P) connectors of the converter kit harness to the (8P) and (2P) terminals of the converter. (Fig. C3)
- ➔ ii. Connect the (6P) connector of the converter wire harness to the (6P) connector of the (26P) connector wire harness. (Fig. C3)
- ➔ iii. Route the gray (4P) wire harness through the hole in the rear cab wall and secure the grommet to the rear cab wall. (Fig. C3)
- ➔ iv. Route the (26P) connector wire harness forward, passing it between the seat belt anchor and the door pillar. (Fig. C3)

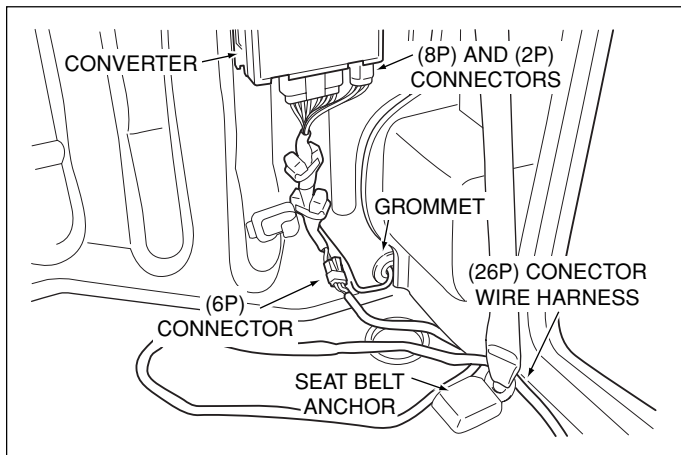


Fig. C3

4. Vehicle side (26P) connector

- ➔ i. Release the carpet clip. (Fig. C4)
- ➔ ii. Unplug the vehicle's (26P) connectors. (Fig. C4)

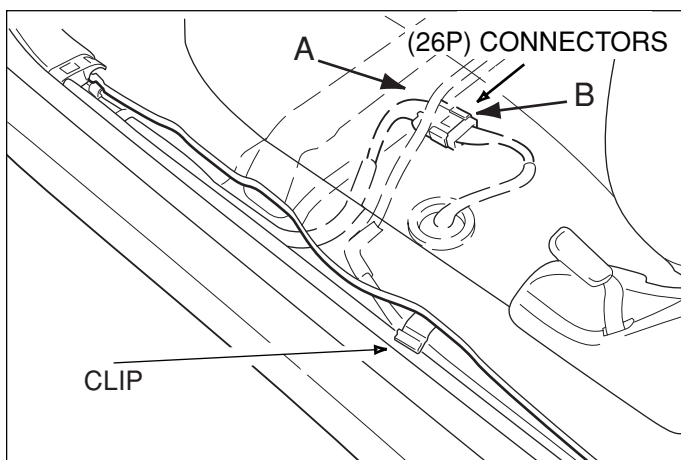


Fig. C4

5. Connecting converter (26P) connectors to vehicle side (26P) connectors

- ➔ i. Attach the insulator block to the under side of the converter (26P) wire harness male connector (B). (Fig. C5)
- ➔ ii. Connect the converter (26P) connectors between the 2 vehicle side (26P) connectors as shown. (Fig. C5)
- ➔ iii. Route the (26P) connector wire harness along the vehicle's wire harness. (Fig. C5)
- ➔ iv. Secure the (26P) wire harness male connector (B) to the floor of the cab as shown. (Fig. C5)

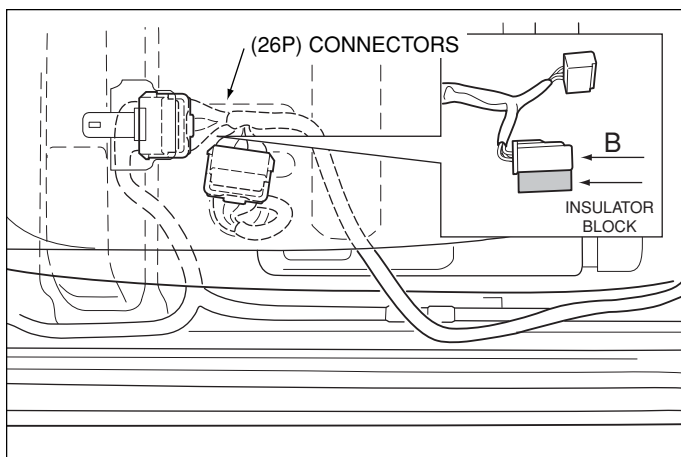


Fig. C5

6. Securing the (26P) connector wire harness

REVISION

- ➔ i. Secure the (26P) connector wire to the vehicle's wire harness using 2 small plastic ties with the excess wire positioned as shown. (Fig. C6)
- ➔ ii. Secure the vehicle (26P) wire harness using the (150x60mm) packing (foam tape). (Fig. C6)

Note: Make sure the insulator block with butyl tape is between the (26P) male connector and the floor.

- ➔ iii. Secure the fuse section of the (26P) connector kit harness to the rear cab wall using 1 piece of packing (foam tape). (Fig. C7)
- ➔ iv. Secure the excess wire loop and the (6P) connector to the floor using (2) pieces of packing (foam tape) as shown. (Fig. C7)
- ➔ v. Make sure there is a 10mm clearance between the (6P) connector and the jack handle.

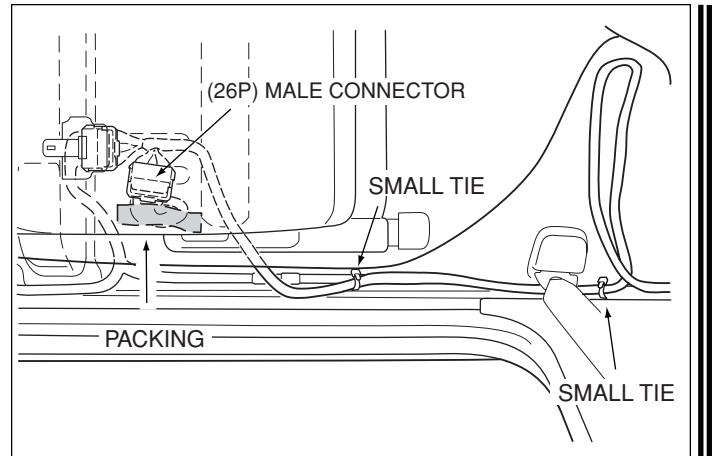


Fig. C6

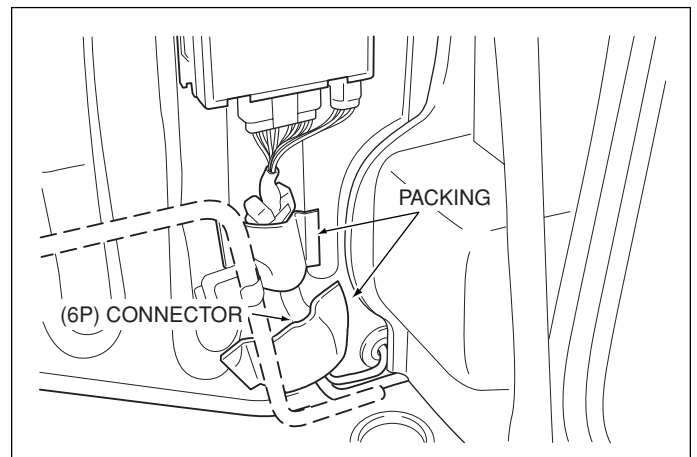


Fig. C7

Section II - Installation Procedure

B and C Cab Truck under bed section

7. Wire harness routing and securing

- ➔ i. Route and secure (4P) wire harness and sub wire harness with plastic ties as shown. (Fig.C8)
- ➔ ii. Fasten flat (4P) connector with 2 bolts (included in kit). Torque bolts to 3.9 N•m [40 kgf•cm, 36 lbf•in]. (Fig.C8)

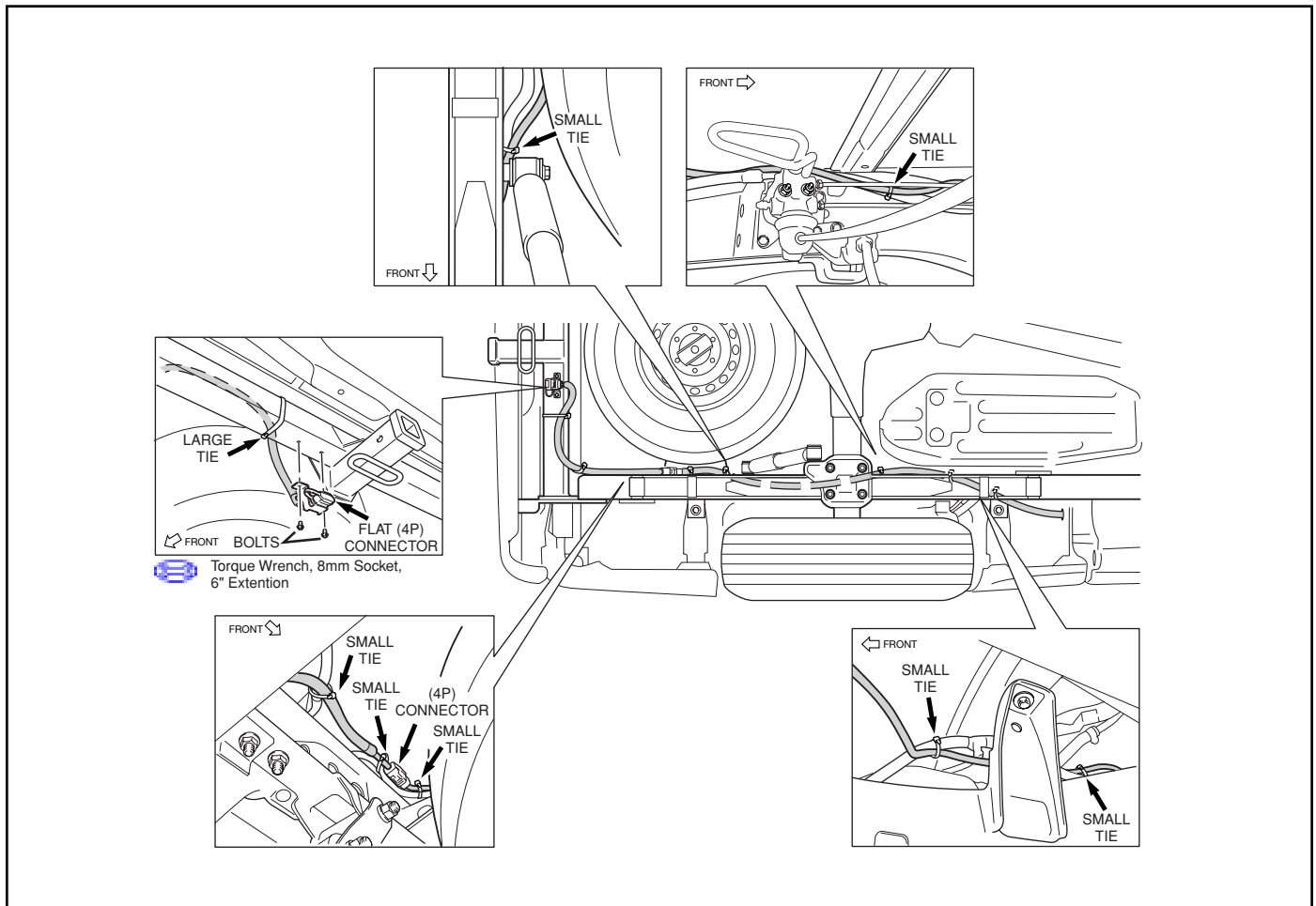


Fig. C8

- ➔ 8. Put Owner's Manual into the glove box.
- ➔ 9. Reconnect the vehicle's negative battery cable at a 45° angle. (Fig. C9)
 - ⚠ i. Tighten the nut with: 4.0 N•m [41 kgf•cm, 36 lbf•in] of torque.
 - ⊕ ii. Be careful not to touch the positive battery terminal.
- ➔ 10. Reinstallation
 - i. After functional verification reinstall all temporarily removed parts.

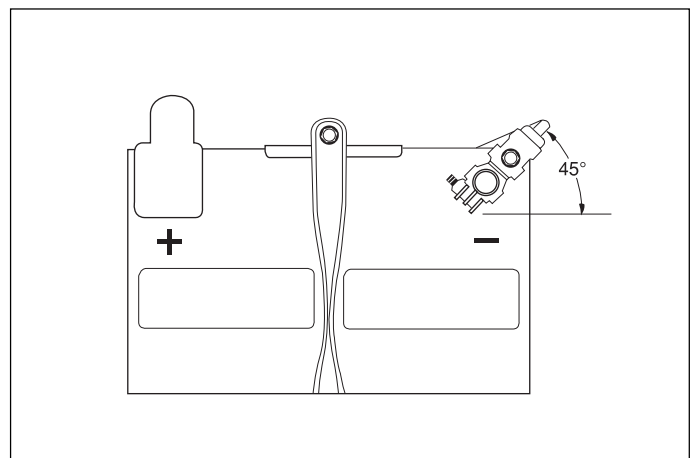


Fig. C9

D. Interior Parts Removal & Preparation(C Cab) (Extra Cab)

- ⊕ 1. Before installation, remove the (-) terminal of the battery.
- ➡ 2. Seat and scuff plate
 - i. Move seat forward and tilt the back of the seat forward. (Fig. D1)
 - ➡ ii. Remove the 4 screws from the scuff plate and remove scuff plate. (Fig. D1)

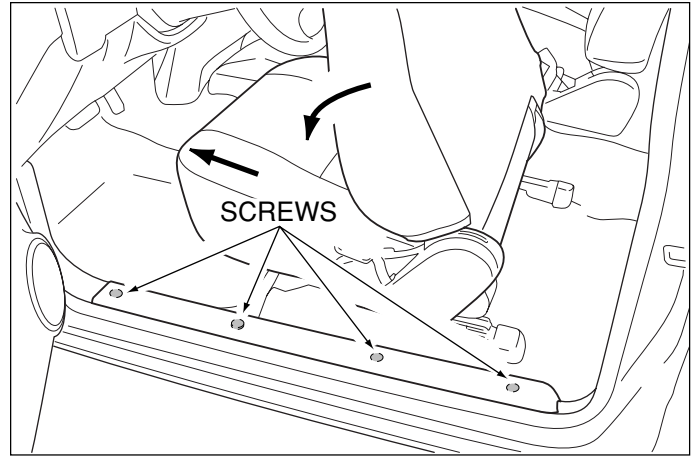


Fig. D1

- ➡ 3. Jack hatch cover
 - i. Remove jack hatch cover. (Fig. D2)

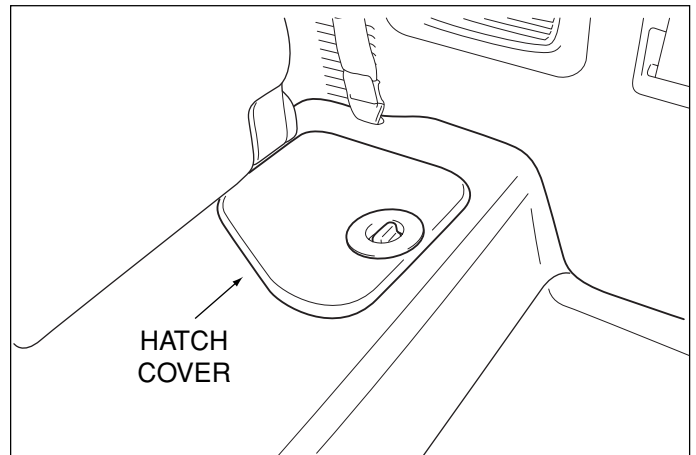


Fig. D2

- ➡ 4. Grommet
 - i. Remove vertical grommet. (Fig. D3)
 - ⊘ ii. Thoroughly clean the converter mounting surface using 3M solvent - 70. (Fig. D3)
 - ⊕ iii. Wear proper materials and safety goggles when performing this procedure.

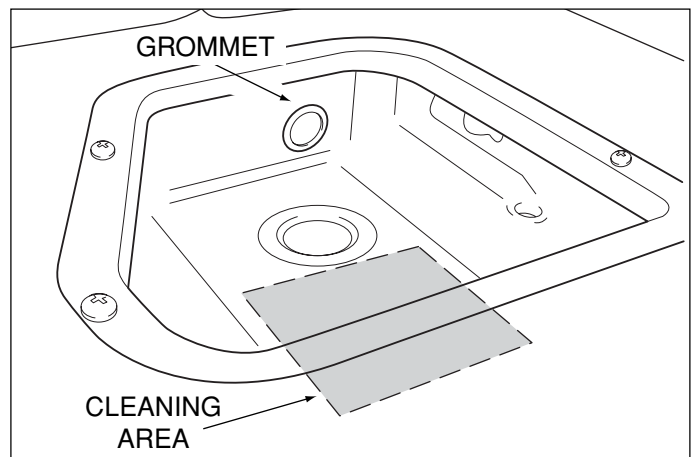
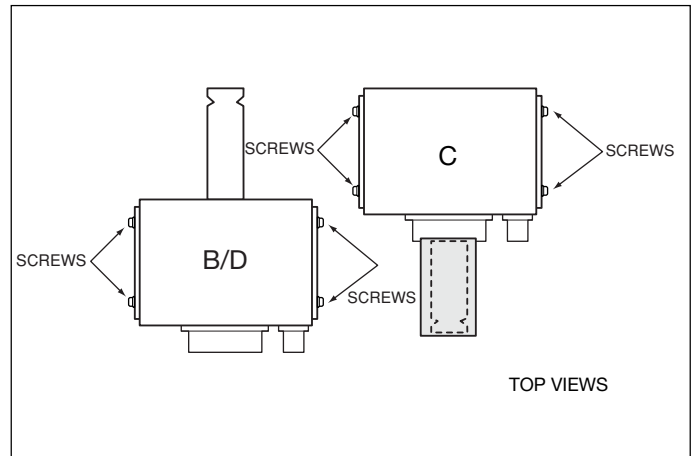


Fig. D3

E. Installation (C Cab) (Extra Cab)

- ➔ 1. Before installing converter into the vehicle use appropriate tool to first loosen jack and then secure jack by hand tightening only.
- 2. Converter
 - ➔ i. Remove 4 converter mounting bracket screws and rotate mounting bracket 180°. (Fig. E1)
 - ➔ ii. Reinstall the 4 converter mounting screws and tighten the screws. (Fig. E1)
 - ➔ iii. Remove the protective paper from packing (foam tape) (105x60mm) and wrap it around the mounting bracket as shown. (Fig. E1)
 - ➔ iv. Connect (8P) and (2P) connectors of the kit wire harness to the converter. (Fig. E2)
 - ➔ v. Remove butyl tape protector and place converter allowing 10mm of clearance between the converter and jack retainer as shown. (Fig. E3)
 - ➔ vi. Secure gray (4P) wire harness grommet to the rear cab wall. (Fig. E3)



■ No.2 Phillips screwdriver.

Fig. E1

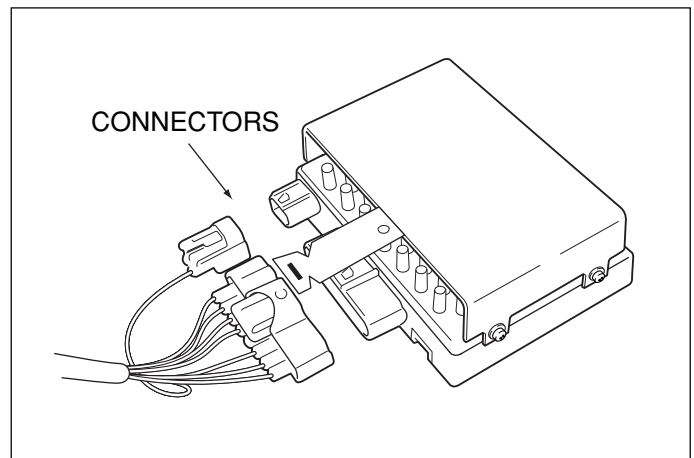


Fig. E2

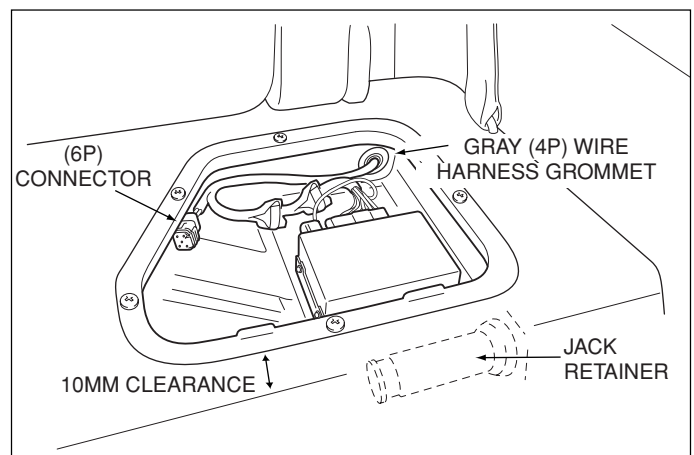


Fig. E3

Section II - Installation Procedure

3. Vehicle side (26P) connector

- ➔ i. Release the carpet clip. (Fig. E4)
- ➔ ii. Unplug the vehicle's (26P) connectors. (Fig. E4)

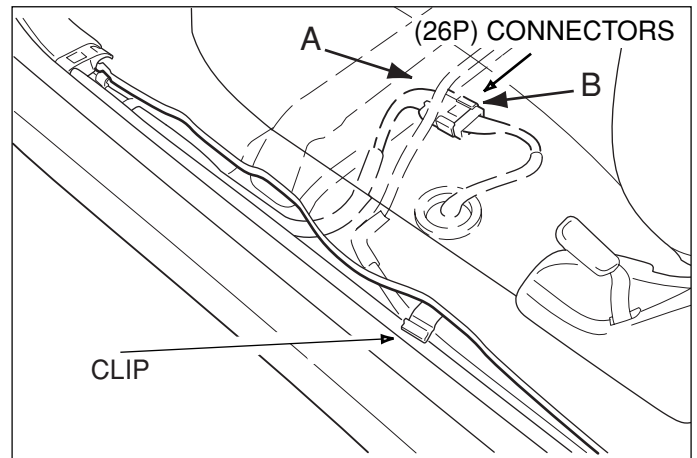


Fig. E4

4. Connecting converter (26P) connectors to vehicle side (26P) connectors

- ➔ i. Attach the insulator block to the under side of the converter (26P) wire harness male connector (B). (Fig. E5)
- ➔ ii. Connect the converter (26P) connectors between the 2 vehicle side (26P) connectors as shown. (Fig. E5)
- ➔ iii. Route the (26P) connector wire harness along the vehicle's wire harness. (Fig. E5)
- ➔ iv. Secure the (26P) wire harness male connector (B) to the floor of the cab as shown. (Fig. E5)

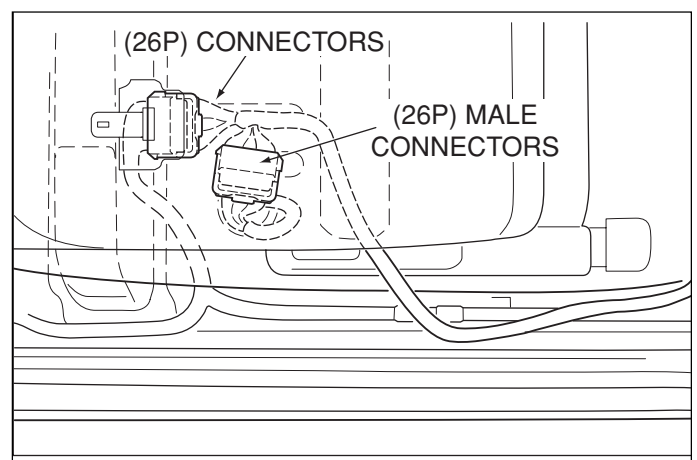


Fig. E5

5. Securing the (26P) connector wire harness

- ➔ i. Secure the (26P) connector wire to the vehicle's wire harness using 2 small plastic ties with the excess wire positioned as shown. (Fig. E6)
- ➔ ii. Secure the vehicle (26P) wire harness using the (150x60mm) packing (foam tape). (Fig. E6)

Note: Make sure the insulator block with butyl tape is between the (26P) male connector and the floor.

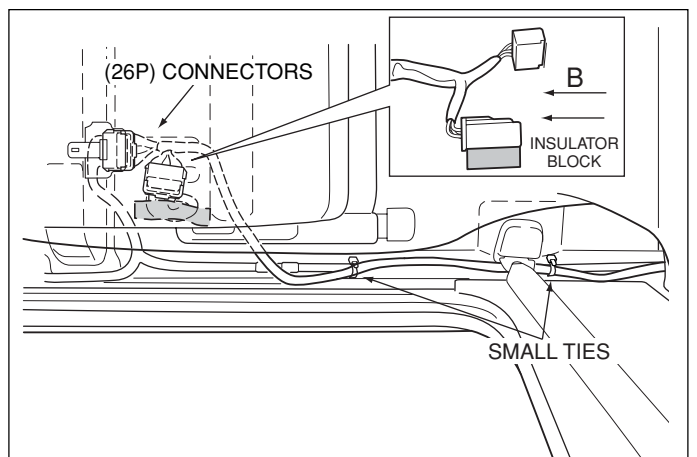


Fig. E6

Section II - Installation Procedure

6. Connecting (6P) connector of the (26P) connector wire harness to the (6P) connector of the converter wire harness.



- i. Route the (6P) connector portion of the (26P) connector wire harness through hole in the rearcab wall.



- ii. Connect the (6P) connector of the (26P) connector wire harness to the (6P) connector of the converter wire harness.



- iii. Secure the wire harness and (6P) connector using 2 pieces of packing (foam tape). (Fig. E7)

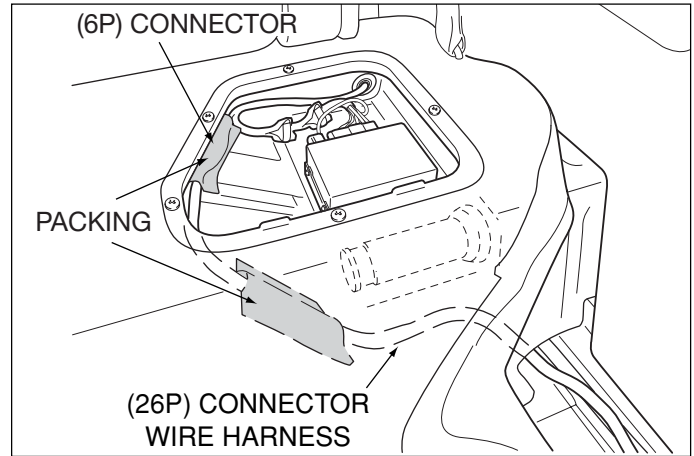


Fig. E7

Section II - Installation Procedure

B and C Cab Truck under bed section

7. Wire harness routing and securing

- ➔ i. Route and secure (4P) wire harness and sub wire harness with plastic ties as shown. (Fig.E8)
- ➔ ii. Fasten flat (4P) connector with 2 bolts (included in kit). Torque bolts to 3.9 N•m [40 kgf•cm, 36 lbf•in]. (Fig. E8)

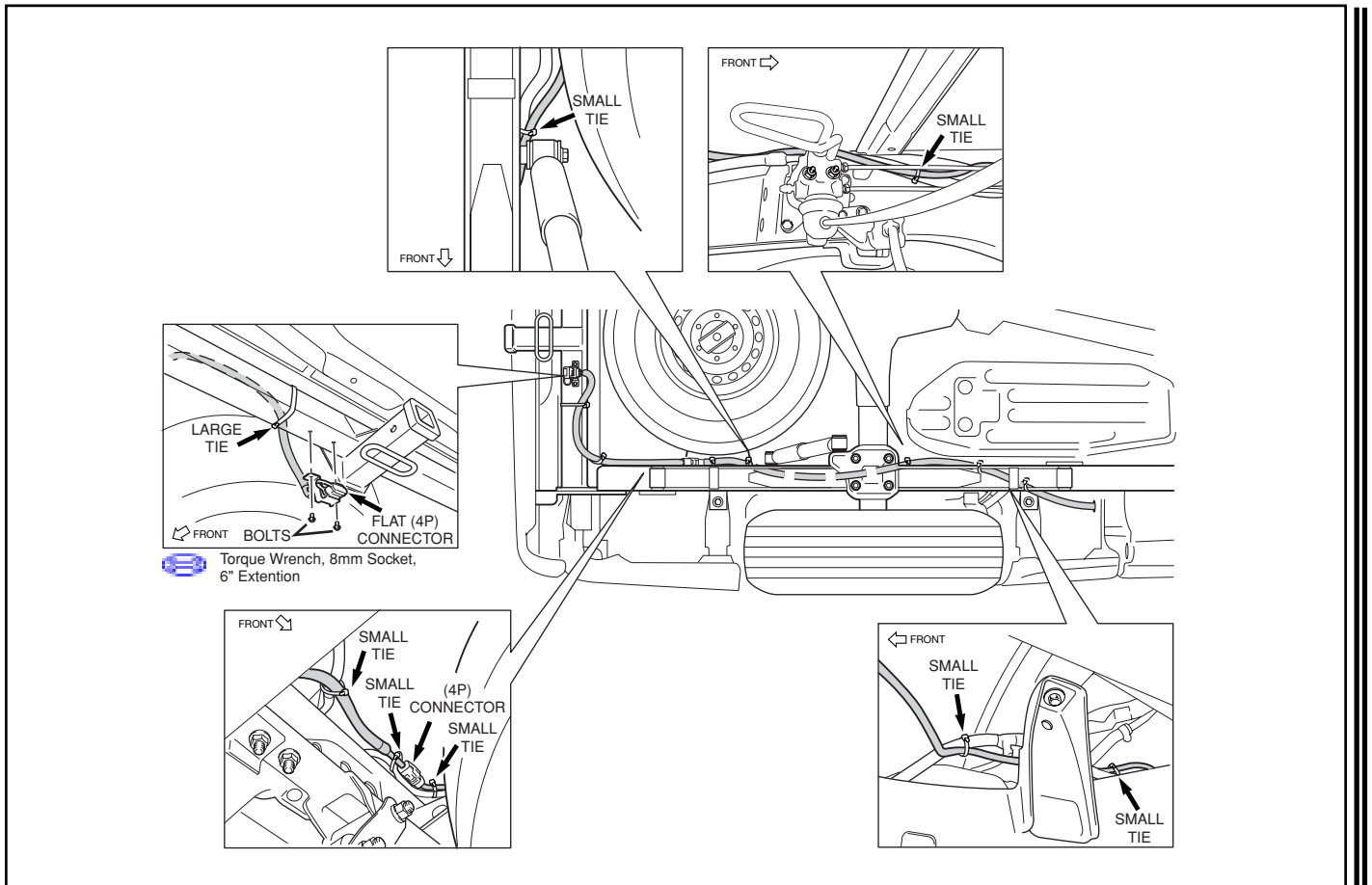


Fig. E8

- ➔ 8. Put Owner's Manual into the glove box.
- ➔ 9. Reconnect the vehicle's negative battery cable at a 45° angle. (Fig. E9)
 - ⚠ i. Tighten the nut with: 4.0 N•m [41 kgf•cm, 36 lbf•in] of torque.
 - ⊕ ii. Be careful not to touch the positive battery terminal.
- ➔ 10. Reinstallation
 - i. After functional verification reinstall all temporarily removed parts.

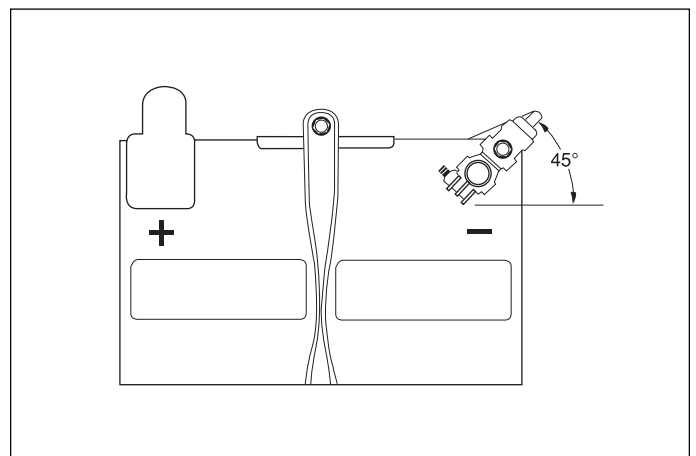
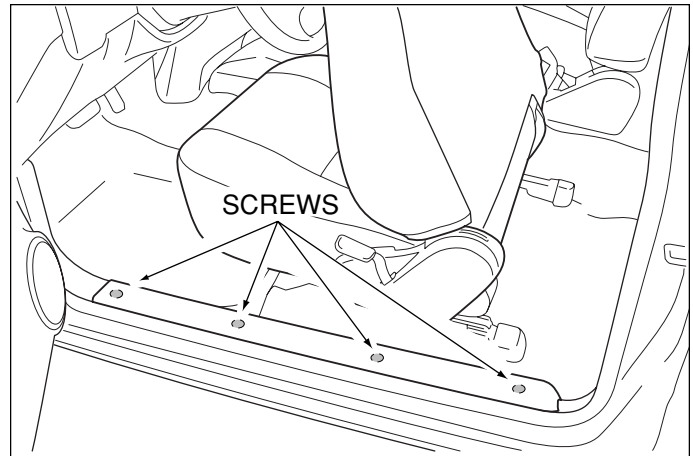


Fig. E9

F. Interior Parts Removal (D Cab) (Double Cab)

1. Scuff Plates

- ➔ i. Remove 4 screws and the scuff plate from the driver's side area. (Fig. F1)

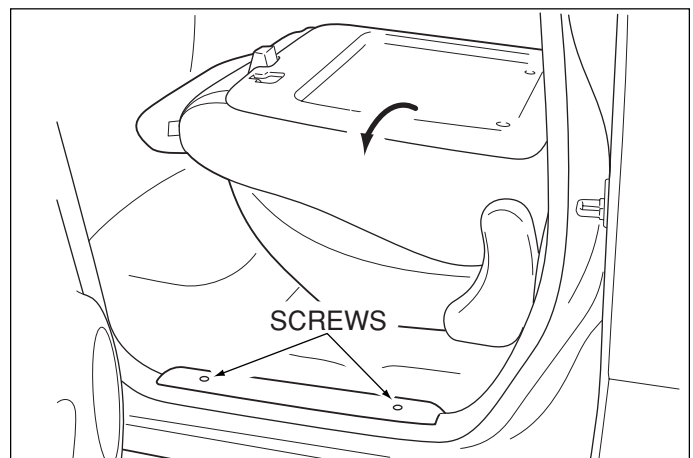


■ No. 2 Phillips screwdriver

Fig. F1

- ➔ ii. Remove 2 screws and the scuff plate from the driver's side rear door area and remove scuff plate. (Fig. F2)

- ➔ iii. Fold the rear seat back down. (Fig. F2)



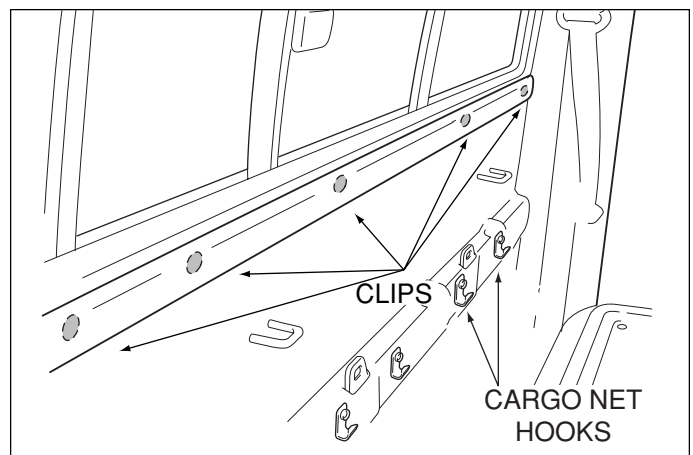
■ No. 2 Phillips screwdriver

Fig. F2

2. Rear window lower trim and wall trim panel.

- ➔ i. Remove rear window lower trim. (Fig. F3)

- ➔ ii. Remove 2 driver's side cargo net hooks. (Fig. F3)



■ Nylon removal tool

■ No.2 Phillips screwdriver

Fig. F3

- 3. Rear wall trim panel
 - i. Remove rear cab wall vertical grommet. (Fig. F4)

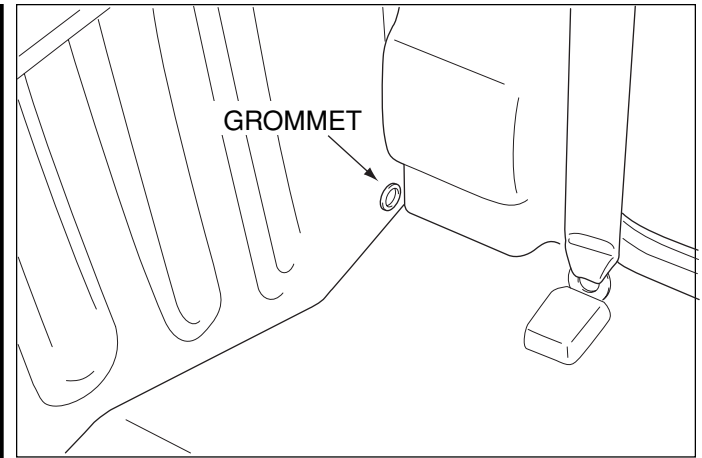
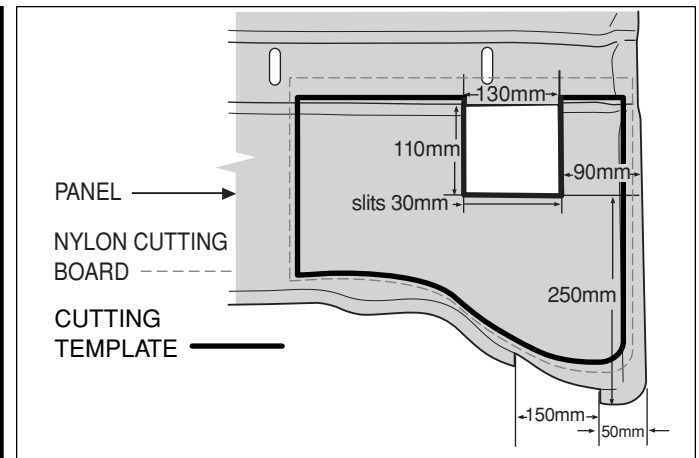


Fig. F4

G. Preparation (D Cab) (Double Cab)

1. Rear wall trim

- ➔ i. Place nylon cutting board between rear cab wall and rear wall trim panel.
- ii. Place cutting template on top of rear wall trim panel and cut to specification. (Fig. G1)



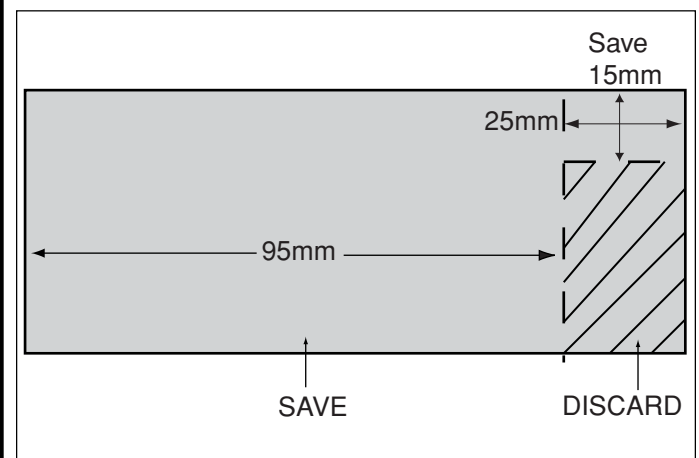
Utility knife

Fig. G1

2. Cutting of packing

- ➔ i. Cut packing as shown. (Fig. G2)

Caution: Do not cut the 105x60mm or the 150x60mm packing.



Utility knife

Fig. G2

3. Mounting surface

- STOP i. Thoroughly clean mounting surface on the rear cab wall with Prep Solvent -70. (Fig. G3)
- ⊕ ii. Wear proper materials and safety goggles when performing this procedure.
- ➔ iii. Attach packing (25x15mm) (foam tape) to the rear cab wall body support. (Fig. G3)
- ➔ iv. Temporarily apply cloth tape to protect the paint on the rear cab wall and the rear cab wall support brace. (Fig. G3)

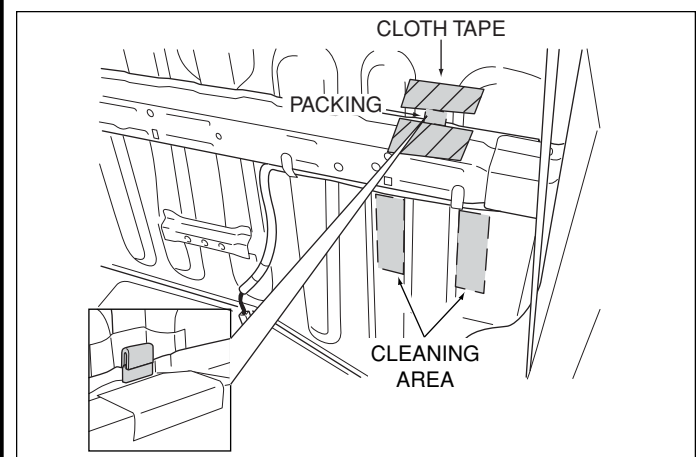
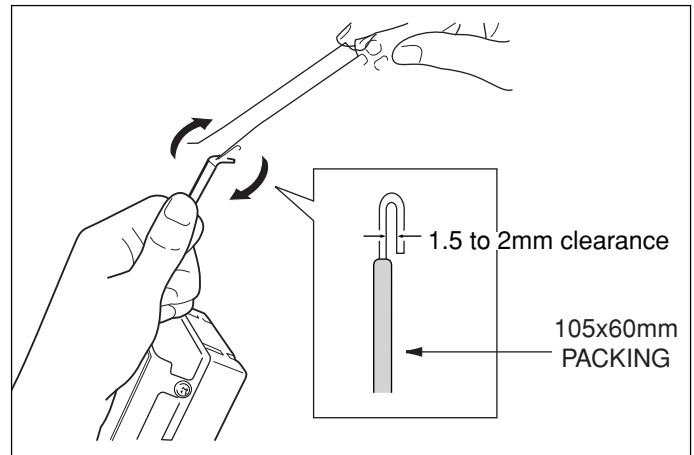


Fig. G3

Section II - Installation Procedure

4. Bending the mounting stay

- ➔ i. Bend the top section of the mounting bracket using a flat blade screwdriver or appropriate tool, as shown. (Fig. G4)
- ➔ ii. Close the bend, using pliers, so there is between 1.5mm - 2.0mm clearance in the bend area. (Fig. G4)
- ➔ iii. Remove the protective paper from the packing (105x60mm) and wrap it around the mounting bracket as shown. (Fig. G4)



■ Flat Blade Screwdriver [-]

Fig. G4

H. Installation (D Cab) (Double Cab)

1. Converter installation

- ➔ i. Carefully slide converter mounting bracket between the rear cab wall ribs so the pre-bent area is above the upper rail of the rear cab wall support brace. (Fig. H1)

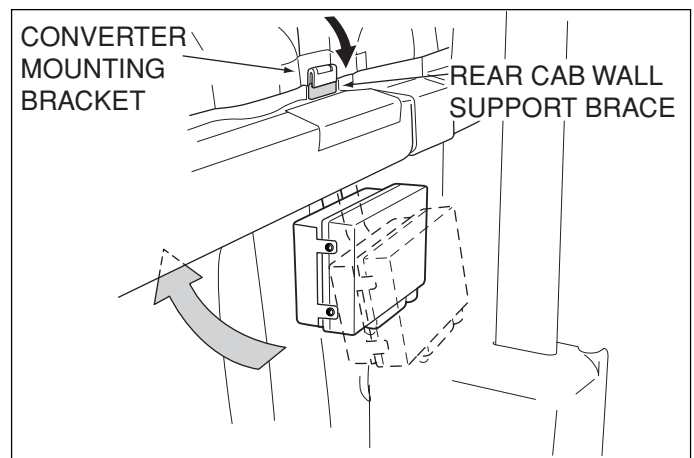
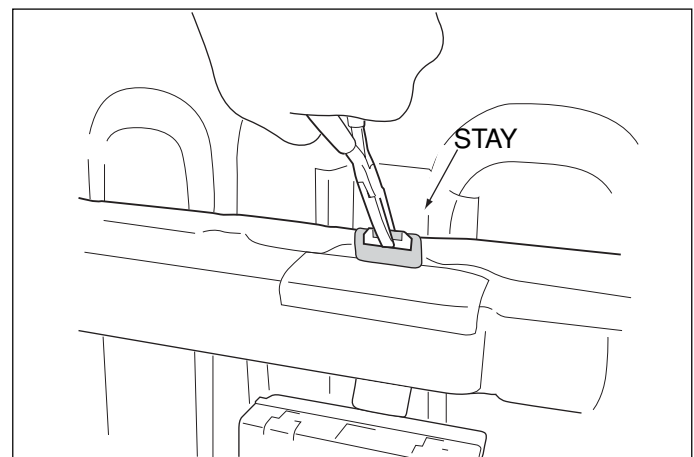


Fig. H1

2. Securing converter assembly

- ➔ i. Using a flat blade screwdriver, open the bent area of the converter mounting bracket enough to allow it to hook over the rear cab wall support top rim. (Fig. H2)
- ➔ ii. Move the converter assembly down until the mounting bracket is hooked over the rail of the rear cab wall support brace. (Fig. H2)
- ➔ iii. Remove the butyl tape protector paper and press the converter firmly against the rear cab wall. (Fig. H2)
- ➔ iv. Use duckbill pliers to tighten the mounting bracket to the rear cab wall support brace. (Fig. H2)



■ Duckbill pliers

Fig. H2

Section II - Installation Procedure

3. Kit harness

- ➔ i. Connect the (8P) and (2P) connectors of the converter kit harness to the (8P) and (2P) terminals of the converter. (Fig. H3)
- ➔ ii. Connect the (6p) connector of the converter wire harness to the (6P) connector of the (26P) connector wire harness. (Fig. H3)
- ➔ iii. Route the gray (4P) wire harness through the hole in the rear cab wall and secure the grommet to the rear cab wall. (Fig. H3)
- ➔ iv. Route the (26P) connector wire harness forward as shown. (Fig. H3)

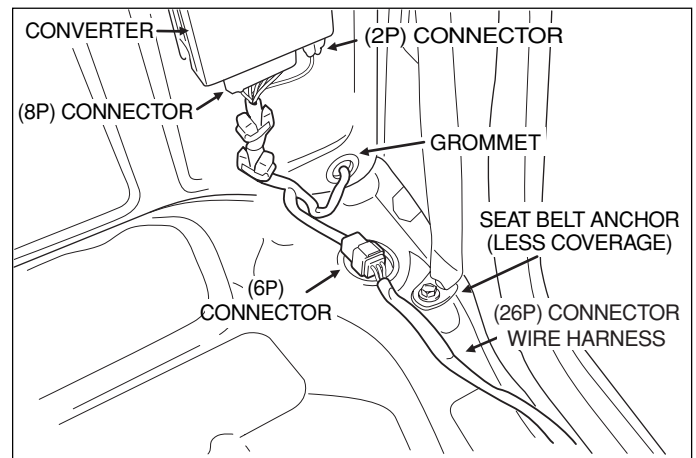


Fig. H3

4. Vehicle side (26P) connector

- ➔ i. Release the carpet clip. (Fig. H4)
- ➔ ii. Unplug the vehicle's (26P) connectors. (Fig. H4)

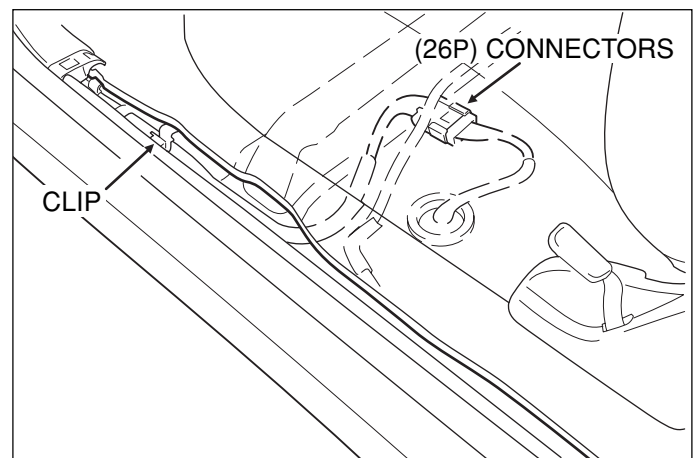


Fig. H4

5. Connecting converter (26P) connectors to vehicle side (26P) connectors

- ➔ i. Attach the insulator block to the under side of the converter (26P) wire harness male connector (B). (Fig. H5)
- ➔ ii. Connect the converter (26P) connectors between the 2 vehicle side (26P) connectors as shown. (Fig. H5)
- ➔ iii. Route the (26P) connector wire harness as shown. (Fig. H5)
- ➔ iv. Secure the (26P) wire harness male connector (B) to the floor of the cab as shown. (Fig. H5)

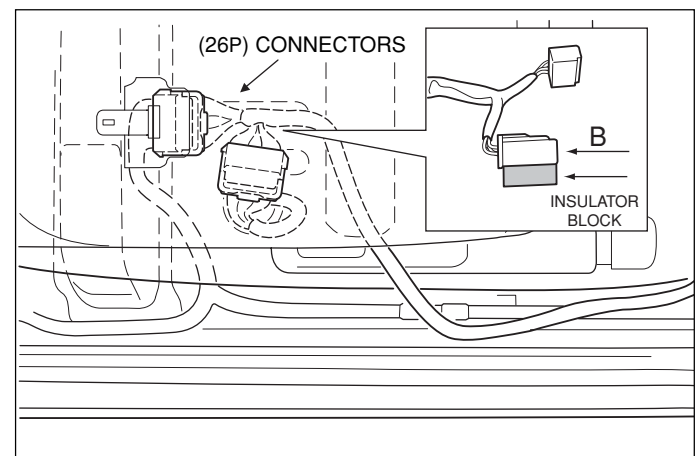


Fig. H5

Section II - Installation Procedure

6. Securing the (26P) connector wire harness

REVISION

- ➔ i. Secure the (26P) connector wire harness to the vehicle's wire harness using 2 small plastic ties as shown. (Fig. H6)
- ➔ ii. Secure the vehicle (26P) wire harness using the (150x60mm) packing (foam tape). (Fig. H6)

Note: Make sure the insulator block with butyl tape is between the (26P) male connector and the floor.

- ➔ iii. Secure the (26P) connector wire harness using 1 piece of packing (foam tape). (Fig. H7)

- ➔ iv. Secure the convertor wire harness to the rear cab wall using 1 piece of packing (foam tape). (Fig. H8)

- ➔ v. Secure the (6P) connector using 1 piece of packing (foam tape). (Fig. H8)

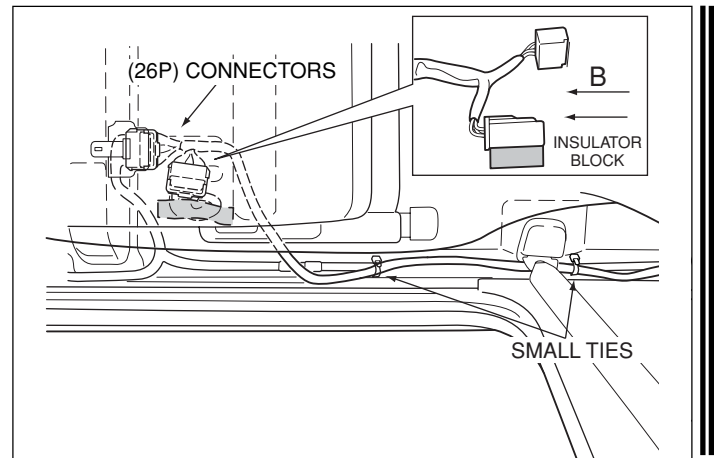


Fig. H6

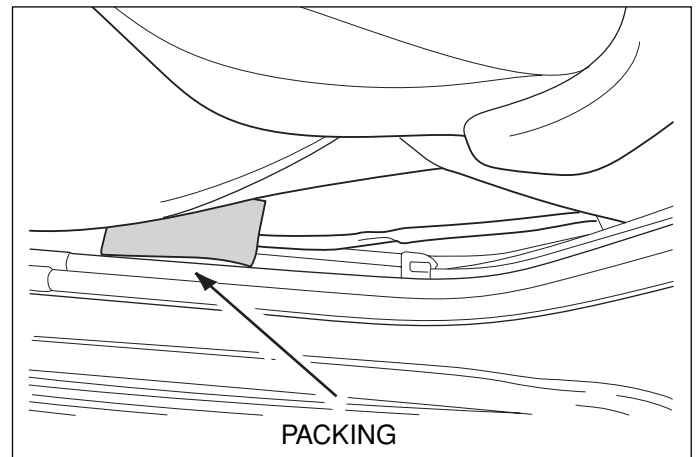


Fig. H7

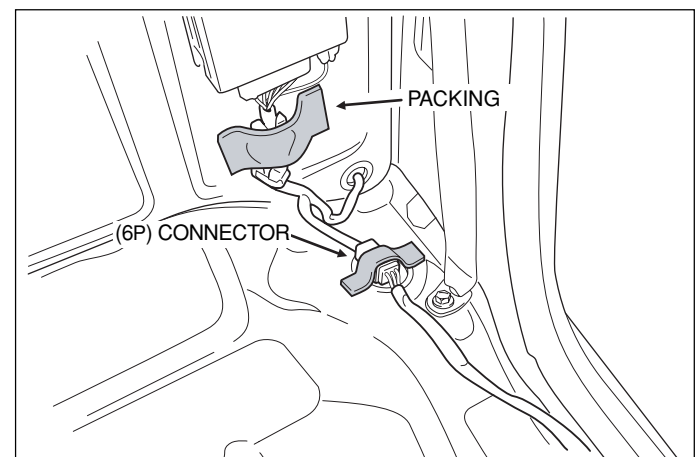


Fig. H8

Section II - Installation Procedure

D Cab Truck under bed section

7. Wire harness routing and securing

- ➔ i. Route and secure (4P) wire harness and sub wire harness with plastic ties as shown. (Fig.H9)
- ➔ ii. Fasten flat (4P) connector with 2 bolts (included in kit). Torque bolts to 3.9 N•m [40 kgf•cm, 36 lbf•in]. (Fig. H9)

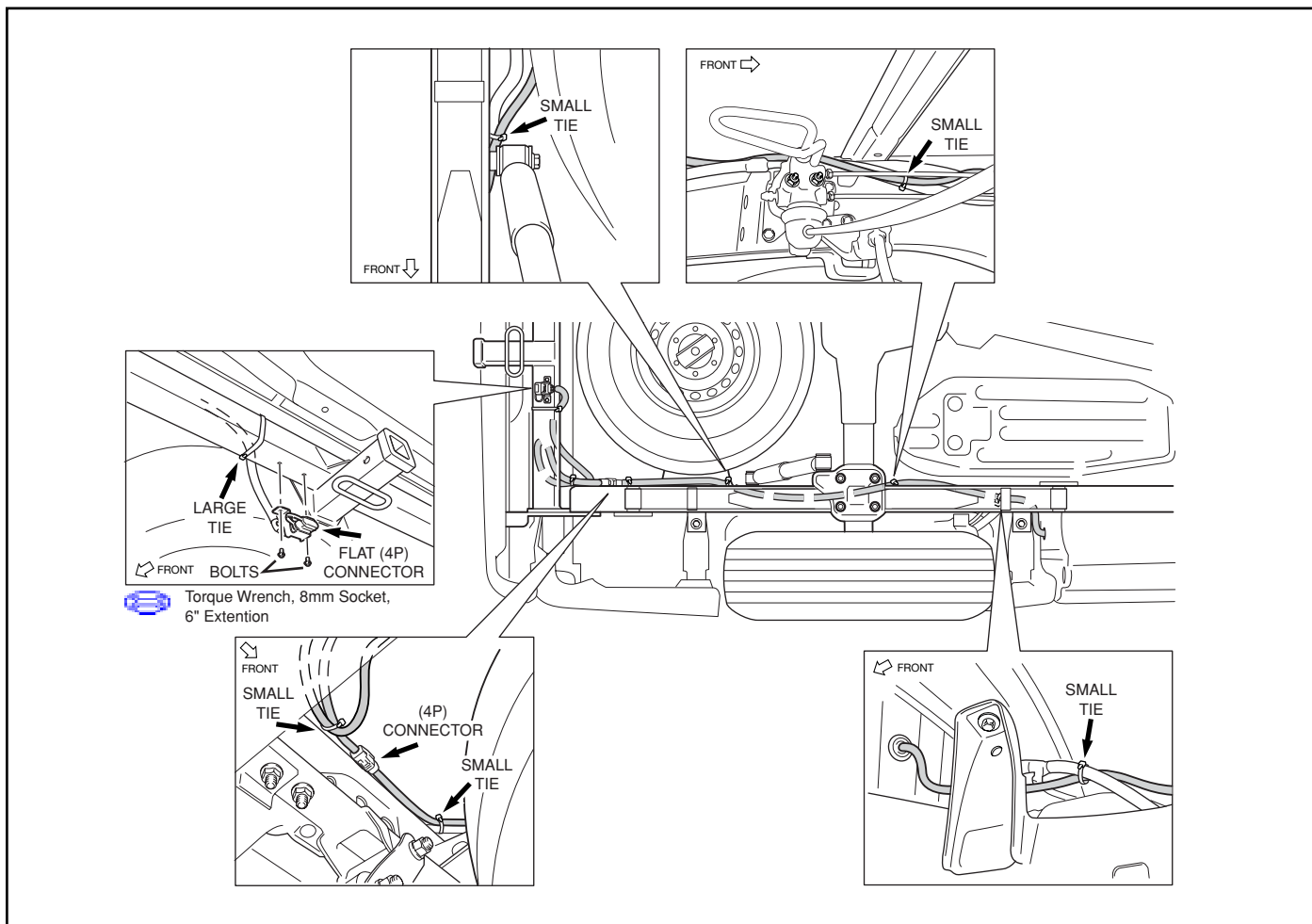


Fig. H9

- ➔ 8. Put Owner's Manual into the glove box.
- ➔ 9. Reconnect the vehicle's negative battery cable at a 45° angle. (Fig. H10)
 - ⚠ i. Tighten the nut with: 4.0 N•m [41 kgf•cm, 36 lbf•in] of torque.
 - ⊕ ii. Be careful not to touch the positive battery terminal.
- ➔ 10. Reinstallation
 - i. After functional verification reinstall all temporarily removed parts.

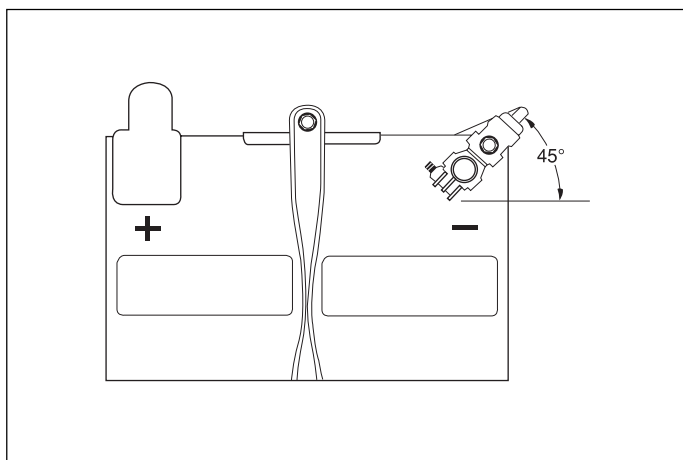





Fig. H10

 Section III - Functional Verification

Check:

- Faults in the wiring harness installation.
- Converter mounting.
- Wire harness.
- Plastic tie locations.
- Removed parts.

With the Special Service Tool (SST) (Part Number 00002-62195) attached to the trailer sub wire harness plug and with the engine running, perform the following steps:

-  Caution: Be sure the exhaust gas is completely ventilated.
-  Caution: Be sure the vehicle is in "Park" and that the parking brake is applied.

- Turn on headlamps.
- Turn on left turn signal.
- Turn on right turn signal.
- Apply foot brake.
- Turn on left turn signal and apply foot brake.
- Turn on right turn signal and apply foot brake.
- Turn on hazard lights switch.

Look for:

- Correct routing of the wire harness.
- Pushing or pulling of the converter by any outside force.
- Pinching of the wire harness.
- Positioning of the plastic tie locations.
- Scratches or other damage.

- Marker and tail lights on both SST and vehicle are lit.
- Left turn lights on both SST and vehicle are flashing.
- Right turn lights on both SST and vehicle are flashing.
- Stop lights on both SST and vehicle are lit.

- Left turn lights are flashing and right stop lights are lit on both SST and vehicle.
- Right turn lights are flashing and left stop lights are lit on both SST and vehicle.

- All turn signal lights are flashing on both SST and vehicle.

Check:

With hazard lights switch on, apply the foot brake.

Turn off the hazard light switch, apply the foot brake.

The following checks are to be performed with the ignition switch off and the engine stopped.

Turn on headlamps.

Apply foot brake.

Turn on left turn signal.

Turn on right turn signal.

Turn on left turn signal and apply foot brake.

Turn on right turn signal and apply foot brake.

With hazard lights switch on, apply the foot brake.

Turn off the hazard light switch, apply foot brake.

Look for:

Both stop lights on the vehicle are lit, both turn/stop lights on the SST and the turn lights on the vehicle are flashing.

Both turn/stop lights on the SST and the stop lights on the vehicle are lit.

Marker and tail lights on both SST and vehicle are lit.

Stop lights on both SST and vehicle are lit.

Left turn lights are not lit on both SST and vehicle.

Right turn lights are not lit on both SST and vehicle.

Both stop lights are lit and not flashing on both SST and vehicle.

Both stop lights are lit and not flashing on both SST and vehicle.

All turn signal lights are flashing on both SST and vehicle.

Both stop lights on the vehicle and the turn/stop lights on the SST are lit, but not flashing.

Section IV: Process / Audit Criteria

Process



Audited during accessory installation.

Audit



Audited on completed vehicle installation.

Paragraph numbers refer to paragraph numbers in Section II.

Part Number: 08921-04861

A. Interior Parts Removal (B Cab) (Regular Cab)

- 1. Before installation, remove the (-) terminal of the battery.
- 2. Seat and scuff plate
 - i. Move seat forward and tilt the back of the seat forward. (Fig. A1)
 - ii. Remove the 4 screws from the scuff plate and remove scuff plate. (Fig. A1)
- 3. Speakers (if equipped and vehicle has rear cab wall trim panel)
 - i. Remove 4 bolts from each speaker. (Fig. A2)
 - ii. Disconnect (2P) plug as shown. (Fig A2)
- 4. Rear window lower trim (if equipped with rear cab wall trim panel – if not then go to Step 7)
 - i. Remove rear window lower trim. (Fig. A3)
- 5. Jack handle (if equipped with rear cab wall trim panel)
 - i. Loosen the wing nut and remove jack handle. (Fig. A4)
- 6. Rear trim panel and grommet (if equipped with rear cab wall trim panel)
 - i. Remove 4 retainer clips and remove the rear cab wall trim panel. (Fig. A5)
- 7. Jack handle (without trim panel)
 - i. Remove wing nut and then remove jack handle. (Fig. A6)
 - ii. Remove rear wall grommet. (Fig. A6)

B. Preparation (B Cab) (Regular Cab)

- 1. Rear cab wall trim panel
 - i. Place nylon cutting board between rear cab wall and rear wall trim panel.
 - ii. Place cutting template on top of rear wall trim panel and cut to specification. (Fig. B1)
- 2. Cutting of packing
 - i. Cut one packing (foam tape) as shown and discard the lined area. (Fig. B2)

Section IV: Process / Audit Criteria

Process



Audit



Audited during accessory installation.

Audited on completed vehicle installation.

Paragraph numbers refer to paragraph numbers in Section II.

3. Mounting surface



i. Thoroughly clean mounting surface on the rear cab wall with 3M Prep Solvent -70. (Fig. B3)



ii. Wear proper materials and safety goggles when performing this procedure.



iii. Attach small packing (25x15mm) (foam tape) to the rear cab wall brace as shown. (Fig. B3)



iv. Temporarily apply cloth tape to protect the paint on the rear cab wall and the rear cab wall support brace as shown. (Fig. B3)

4. Bending the mounting bracket



i. Bend the top section of the mounting bracket using a flat blade screwdriver or appropriate tool, as shown. (Fig. B4)



ii. Close the bend, using pliers, so there is between 1.5mm - 2.0mm clearance in the bend area. (Fig. B4)



iii. Remove the protective paper from the packing (105x60mm) and wrap it around the mounting bracket as shown. (Fig. B4)

C. Installation (B Cab) (Regular Cab)

1. Converter installation



i. Carefully slide converter mounting bracket between the rear cab wall ribs so the pre-bent area is above the upper rail of the rear cab wall support brace. (Fig. C1)

2. Securing converter assembly



i. Using a flat blade screwdriver, open the bent area of the converter mounting bracket enough to allow it to hook over the rear cab wall support top rim. (Fig. C2)



ii. Move the converter assembly down until the mounting bracket is hooked over the rail of the rear cab wall support brace. (Fig. C2)



iii. Remove the butyl tape protector paper and press the converter firmly against the rear cab wall. (Fig. C2)



iv. Use duckbill pliers to tighten the mounting bracket to the rear cab wall support brace. (Fig. C2)

Section IV: Process / Audit Criteria

Process



Audited during accessory installation.

Audit



Audited on completed vehicle installation.

Paragraph numbers refer to paragraph numbers in Section II.

3. Kit harness

- i. Connect the (8P) and (2P) connectors of the converter kit harness to the (8P) and (2P) terminals of the converter. (Fig. C3)
- ii. Connect the (6P) connector of the converter wire harness to the (6P) connector of the (26P) connector wire harness. (Fig. C3)
- iii. Route the gray (4P) wire harness through the hole in the rear cab wall and secure the grommet to the rear cab wall. (Fig. C3)
- iv. Route the (26P) connector wire harness forward, passing it between the seat belt anchor and the door pillar. (Fig. C3)

4. Vehicle side (26P) connector

- i. Release the carpet clip. (Fig. C4)
- ii. Unplug the vehicle's (26P) connectors. (Fig. C4)

5. Connecting converter (26P) connectors to vehicle side (26P) connectors

- i. Attach the insulator block to the under side of the converter (26P) wire harness male connector (B). (Fig. C5)
- ii. Connect the converter (26P) connectors between the 2 vehicle side (26P) connectors as shown. (Fig. C5)
- iii. Route the (26P) connector wire harness along the vehicle's wire harness. (Fig. C5)
- iv. Secure the (26P) wire harness male connector (B) to the floor of the cab as shown. (Fig. C5)

6. Securing the (26P) connector wire harness

REVISION

- i. Secure the (26P) connector wire to the vehicle's wire harness using 2 small plastic ties with the excess wire positioned as shown. (Fig. C6)
- ii. Secure the fuse section of the (26P) connector kit harness to the rear cab wall using 1 piece of packing (foam tape). (Fig. C7)
- iii. Secure the vehicle (26P) wire harness using the (150x60mm) packing foam tape (Fig. C6)
- iv. Secure the excess wire loop and the (6P) connector to the floor using (2) pieces of packing (foam tape) as shown. (Fig. C7)
- v. Make sure there is a 10mm clearance between the (6P) connector and the jack handle.

Section IV: Process / Audit Criteria

Process



Audited during accessory installation.

Paragraph numbers refer to paragraph numbers in Section II.

Audit



Audited on completed vehicle installation.

- 7. Wire harness routing and securing
 - i. Route and secure (4P) wire harness and sub wire harness with plastic ties as shown. (Fig. C8)
 - ii. Fasten flat (4P) connector with 2 bolts (included in kit). Torque bolts to 3.9 N•m [40 kgf•cm, 36 lbf•in]. (Fig. C8)
- 8. Put Owner's Manual into the glove box.
- 9. Reconnect the vehicle's negative battery cable at a 45° angle. (Fig.C9)
- ii. Be careful not to touch the positive battery terminal.
- 10. Reinstallation
 - i. After functional verification reinstall all temporarily removed parts.

D. Interior Parts Removal & Preparation(C Cab) (Extra Cab)

- 1. Before installation, remove the (-) terminal of the battery.
- 2. Seat and scuff plate
 - i. Move seat forward and tilt the back of the seat forward. (Fig. D1)
 - ii. Remove the 4 screws from the scuff plate and remove scuff plate. (Fig. D1)
- 3. Jack hatch cover
 - i. Remove jack hatch cover. (Fig. D2)
- 4. Grommet
 - i. Remove vertical grommet. (Fig. D3)
 - ii. Thoroughly clean the converter mounting surface using 3M solvent -70. (Fig. D3)
 - iii. Wear proper materials and safety goggles when performing this procedure.

E. Installation (C Cab) (Extra Cab)

- 1. Before installing converter into the vehicle use appropriate tool to first loosen jack and then secure jack by hand tightening only.
- 2. Converter
 - i. Remove 4 converter mounting bracket screws and rotate mounting bracket 180°. (Fig. E1)
 - ii. Reinstall the 4 converter mounting screws and tighten the screws. (Fig. E1)
 - iii. Remove the protective paper from packing (foam tape) (105x60mm) and wrap it around the mounting bracket as shown. (Fig. E1)



- i. Tighten the nut with:
4.0 N•m [41 kgf•cm, 36 lbf•in] of torque.

Section IV: Process / Audit Criteria

Process



Audited during accessory installation.

Audit



Audited on completed vehicle installation.

Paragraph numbers refer to paragraph numbers in Section II.

- ➡ iv. Connect (8P) and (2P) connectors of the kit wire harness to the converter. (Fig. E2)
- ➡ v. Remove butyl tape protector and place converter allowing 10mm of clearance between the converter and jack retainer as shown. (Fig. E3)
- ➡ vi. Secure gray (4P) wire harness grommet to the rear cab wall. (Fig. E3)
- 3. Vehicle side (26P) connector
 - ➡ i. Release the carpet clip. (Fig. E4)
 - ➡ ii. Unplug the vehicle's (26P) connectors. (Fig. E4)
- 4. Connecting converter (26P) connectors to vehicle side (26P) connectors
 - ➡ i. Attach the insulator block to the under side of the converter (26P) wire harness male connector (B). (Fig. E6)
 - ➡ ii. Connect the converter (26P) connectors between the 2 vehicle side (26P) connectors as shown. (Fig. E6)
 - ➡ iii. Route the (26P) connector wire harness along the vehicle's wire harness. (Fig. E6)
 - ➡ iv. Secure the (26P) wire harness male connector (B) to the floor of the cab as shown. (Fig. E6)
- 5. Securing the (26P) connector wire harness

REVISION

- ➡ i. Secure the (26P) connector wire to the vehicle's wire harness using 2 small plastic ties with the excess wire positioned as shown. (Fig. E6)
- ➡ ii. Secure the vehicle (26P) wire harness using the (150x60mm) packing (foam tape). (Fig. E6)
- 6. Connecting (6P) connector of the (26P) connector wire harness to the (6P) connector of the converter wire harness.
 - ➡ i. Route the (6P) connector portion of the (26P) connector wire harness through hole in the rearcab wall.
 - ➡ ii. Connect the (6P) connector of the (26P) connector wire harness to the (6P) connector of the converter wire harness.
 - ➡ iii. Secure the wire harness and (6P) connector using 2 pieces of packing (foam tape). (Fig. E7)

Section IV: Process / Audit Criteria

Process



Audit



Audited during accessory installation.

Audited on completed vehicle installation.

Paragraph numbers refer to paragraph numbers in Section II.

- 7. Wire harness routing and securing
 - i. Route and secure (4P) wire harness and sub wire harness with plastic ties as shown. (Fig. E8)
 - ii. Fasten flat (4P) connector with 2 bolts (included in kit). Torque bolts to 3.9 N•m [40 kgf•cm, 36 lbf•in]. (Fig. E8)
- 8. Put Owner's Manual into the glove box.
- 9. Reconnect the vehicle's negative battery cable at a 45° angle. (Fig. E9)
- ii. Be careful not to touch the positive battery terminal.



- i. Tighten the nut with: 4.0 N•m [41 kgf•cm, 36 lbf•in] of torque.

- 10. Reinstallation
 - i. After functional verification reinstall all temporarily removed parts.

F. Interior Parts Removal (D Cab) (Double Cab)

- 1. Scuff Plates
 - i. Remove 4 screws and the scuff plate from the driver's side area. (Fig. F1)
 - ii. Remove 2 screws and the scuff plate from the driver's side rear door area and remove scuff plate. (Fig. F2)
 - iii. Fold the rear seat back down. (Fig. F2)
- 2. Rear window lower trim and wall trim panel.
 - i. Remove rear window lower trim. (Fig. F3)
 - ii. Remove 2 driver's side cargo net hooks. (Fig. F3)
- 3. Rear wall trim panel
 - i. Remove rear cab wall vertical grommet. (Fig. F4)

G. Preparation (D Cab) (Double Cab)

- 1. Rear wall trim
 - i. Place nylon cutting board between rear cab wall and rear wall trim panel.
 - ii. Place cutting template on top of rear wall trim panel and cut to specification. (Fig. G1)
- 2. Cutting of packing
 - i. Cut packing as shown. (Fig. G2)
- 3. Mounting surface
 - i. Thoroughly clean mounting surface on the rear cab wall with Prep Solvent -70. (Fig. G3)
 - ii. Wear proper materials and safety goggles when performing this procedure.
 - iii. Attach packing (25x15mm) (foam tape) to the rear cab wall body support. (Fig. G3)

Section IV: Process / Audit Criteria

Process



Audited during accessory installation.

Audit



Audited on completed vehicle installation.

Paragraph numbers refer to paragraph numbers in Section II.

- iv. Temporarily apply cloth tape to protect the paint on the rear cab wall and the rear cab wall support brace. (Fig. G3)
- 4. Bending the mounting stay
 - i. Bend the top section of the mounting bracket using a flat blade screwdriver or appropriate tool, as shown. (Fig. G4)
 - ii. Close the bend, using pliers, so there is between 1.5mm - 2.0mm clearance in the bend area. (Fig. G4)
 - iii. Remove the protective paper from the packing (105x60mm) and wrap it around the mounting bracket as shown. (Fig. G4)

H. Installation (D Cab) (Double Cab)

- 1. Converter installation
 - i. Carefully slide converter mounting bracket between the rear cab wall ribs so the pre-bent area is above the upper rail of the rear cab wall support brace. (Fig. H1)
- 2. Securing converter assembly
 - i. Using a flat blade screwdriver, open the bent area of the converter mounting bracket enough to allow it to hook over the rear cab wall support top rim. (Fig. H2)
 - ii. Move the converter assembly down until the mounting bracket is hooked over the rail of the rear cab wall support brace. (Fig. H2)
 - iii. Remove the butyl tape protector paper and press the converter firmly against the rear cab wall. (Fig. H2)
 - iv. Use duckbill pliers to tighten the mounting bracket to the rear cab wall support brace. (Fig. H2)
- 3. Kit harness
 - i. Connect the (8P) and (2P) connectors of the converter kit harness to the (8P) and (2P) terminals of the converter. (Fig. H3)
 - ii. Connect the (6p) connector of the converter wire harness to the 6p connector of the (26P) connector wire harness. (Fig. H3)
 - iii. Route the gray (4P) wire harness through the hole in the rear cab wall and secure the grommet to the rear cab wall. (Fig. H3)
 - iv. Route the (26P) connector wire harness forward as shown. (Fig. H3)

Section IV: Process / Audit Criteria

Process



Audit



Audited during accessory installation.

Audited on completed vehicle installation.

Paragraph numbers refer to paragraph numbers in Section II.

- 4. Vehicle side (26P) connector
 - i. Release the carpet clip. (Fig. H4)
 - ii. Unplug the vehicle's (26P) connectors. (Fig. H4)
- 5. Connecting converter (26P) connectors to vehicle side (26P) connectors
 - i. Attach the insulator block to the under side of the converter (26P) wire harness male connector (B). (Fig. H5)
 - ii. Connect the converter (26P) connectors between the 2 vehicle side (26P) connectors as shown. (Fig. H5)
 - iii. Route the (26P) connector wire harness as shown. (Fig. H5)
 - iv. Secure the (26P) wire harness male connector (B) to the floor of the cab as shown. (Fig. H5)
- 6. Securing the (26P) connector wire harness

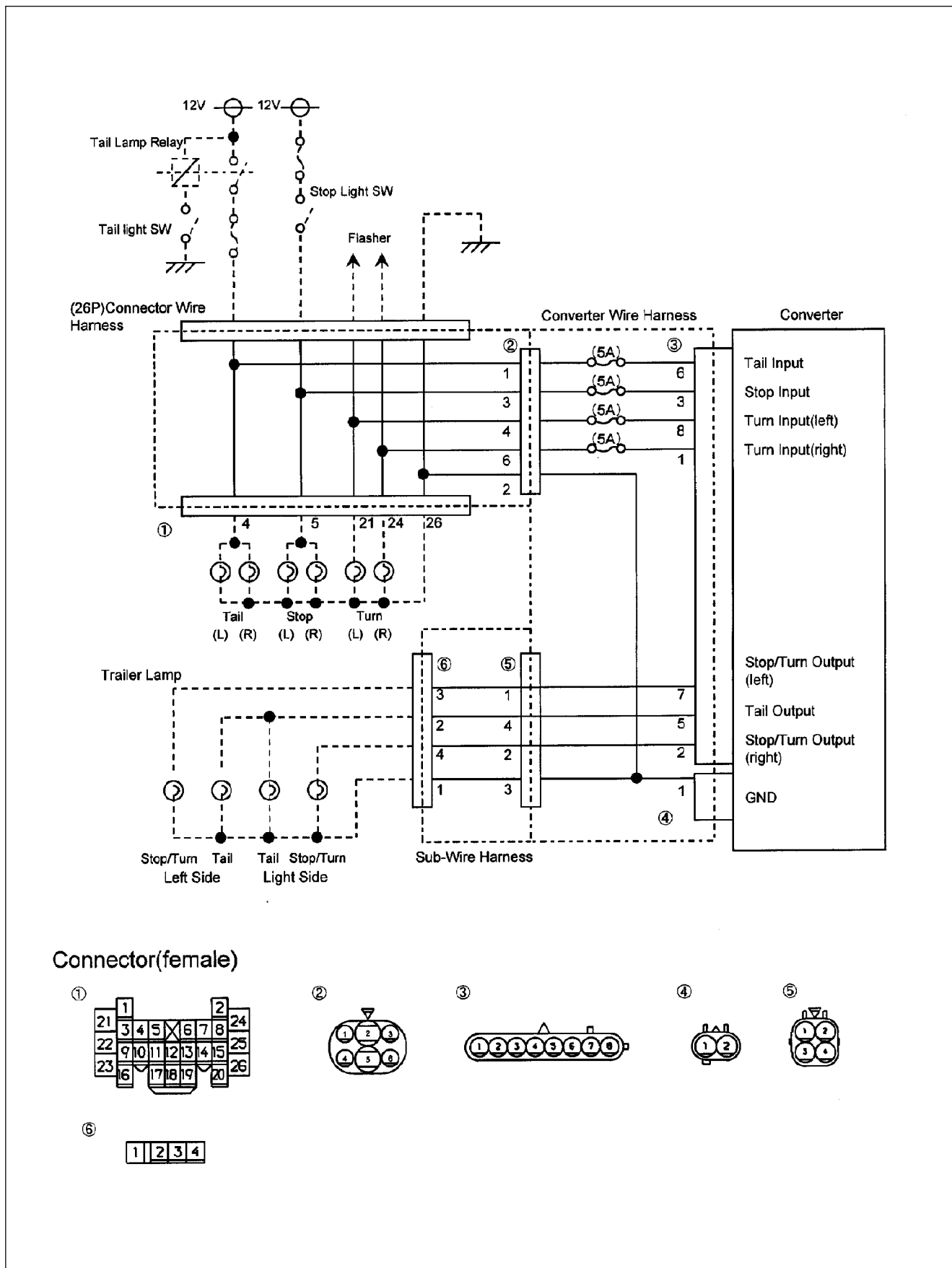
REVISION

- i. Secure the (26P) connector wire harness to the vehicle's wire harness using 2 small plastic ties as shown. (Fig. H6)
- ii. Secure the vehicle (26P) wire harness using the (150x60mm) packing (foam tape). (Fig. H6)
- iii. Secure the (26P) connector wire harness using 1 piece of packings (foam tape). (Fig. H7)
- iv. Secure the convertor wire harness to the rear cab wall using a packing (foam tape). (Fig. H8)
- v. Secure the (6P) connector using 1 piece of packing (foam tape). (Fig. H8)
- 7. Wire harness routing and securing
 - i. Route and secure (4P) wire harness and sub wire harness with plastic ties as shown. (Fig. H9)
 - ii. Fasten flat (4P) connector with 2 bolts (included in kit). Torque bolts to 3.9 N•m [40 kgf•cm, 36 lbf•in]. (Fig.H9)
- 8. Put Owner's Manual into the glove box.
- 9. Reconnect the vehicle's negative battery cable at a 45° angle. (Fig. H10)
- ii. Be careful not to touch the positive battery terminal.
- 10. Reinstallation
 - i. After functional verification reinstall all temporarily removed parts.



- i. Tighten the nut with: 4.0 N•m [41 kgf•cm, 36 lbf•in] of torque.

Section V - Wiring Diagram



Connector(female)

