



Toyota Motor Sales, U.S.A., Inc.  
19001 South Western Avenue  
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(310) 618-4000  
(310)618-7800 Fax

TO: ALL TOYOTA DEALER PRINCIPALS,  
SERVICE MANAGERS, PARTS MANAGERS

SUBJECT: SPECIAL SERVICE CAMPAIGN 10H  
(2000 TUNDRA AND 1999 - 2000 TACOMA TRAILER TOWING WIRE HARNESS  
CONVERTER REPLACEMENT)

**Toyota will initiate a Special Service Campaign to replace the Toyota Trailer Towing Wire Harness Converter (converter) on certain 2000 model year Tundra and 1999 - 2000 model year Tacoma vehicles equipped with a genuine Toyota Trailer Towing Hitch or Bumper Hitch. This accessory is included in the Towing Hitch Kit installed at ports (PIO) and by dealers (DIO); it is also sold by dealers as an over-the-counter or service part.**

An electrical short or open circuit can cause a fault in the genuine Toyota Trailer Towing Wire Harness Converter (converter). This can cause a failure of the converter, and if a trailer is being towed at the time, non-operation of the trailer lights. In limited cases, the converter housing could become heat-deformed.

In the case of the Tundra, the circuitry utilized in the converter was inadequate to properly manage vehicle and/or trailer-side voltage spikes. If the converter is exposed to a voltage spike it may cause an electrical short or open circuit within the converter.

As for the Tacoma, due to deficient waterproofing and improper installation location of the converter, which is mounted in the lower portion of the taillight cavity of the vehicle, an electrical short circuit will occur if water enters the converter housing.

The following vital information is provided to inform you and your staff of the campaign notification schedule and your degree of involvement.

1. **Owner Notification Letter Mailing Date**

The owner notification will be conducted in two phases:

- The first phase will be launched in late August and involve vehicles equipped with port installed (PIO) genuine Toyota Towing Hitch Kits.
- The remaining vehicle owners, whose vehicles **may be** equipped with a dealer installed (DIO) genuine Toyota Trailer Towing Wire Harness Converter, will be notified in the second phase to be launched in early September.

We have attached copies of the owner notification letters for your reference.

If you are contacted by an owner of an involved vehicle, who has not yet received a notification, please verify eligibility through TDN or TIS, inspect the vehicle to assure it is equipped with the affected part, and perform repairs as outlined in the attached Technical Instructions.

**2. Identification of Involved Vehicles**

Please see the VIN range attached to this document.\*

**\*Not all vehicles in the VIN range are affected by this SSC. Always consult TDN or TIS to confirm VIN eligibility and to assure the SSC is applicable.**

**3. Vehicles in Dealer Stock**

As required by Federal Regulations, please perform the campaign procedure on any vehicle in your stock prior to sale or lease equipped with the affected converter.

**4. Dealer/Owner Lists**

Dealer/Owner lists have been distributed to each dealer Service Manager and Part Manager for each phase of the SSC.

- The Phase 1 list contains all the VIN's which, according to our records, were equipped with a genuine Toyota Trailer Towing Hitch by the port (PIO).
- The Phase 2 list will involve vehicle which **may be** equipped with a dealer installed (DIO) genuine Toyota Converter.
- These listed are based on Primary Marketing Area (PMA) where applicable. If there is no PMA for an address, it reverts to the selling dealer.
- Based on our records, dealers who do not have any vehicles involved in Phase 1 or 2 will receive a list indicating so.

**5. Inspection and Repair Procedures**

Please refer to the attached Technical Instructions. Always check TDN or TIS and perform an inspection of the harness prior to performing any repair to ensure vehicle eligibilty.

**6. Parts Ordering**

The necessary parts can be ordered through your facing PDC. Please refer to the table below and the Technical Instructions for part number information.

| <b>Model</b>  | <b>Part Number</b> | <b>Description</b>           | <b>Qty/ Vehicle</b> |
|---------------|--------------------|------------------------------|---------------------|
| <b>Tundra</b> | 08921-34880        | Trailer Hitch Converter Kit* | 1                   |
| <b>Tacoma</b> | 08921-04850        | Trailer Hitch Converter Kit* | 1                   |

To prevent parts shortages and excess parts stock at dealerships, the "Suggested Initial Parts Order Quantity" has been provided on each Dealer/Owner List (sent to each dealer's Service and Parts Managers) as a guide. This will assure adequate and balanced parts inventory for this SSC.

## 7. Pre-SSC Parts in Dealer Stock

Please ensure that any of the following parts for the 2000 model year Tundra and 1999 - 2000 model year Tacoma remaining in dealer inventory are not sold:

| Model  | Part Description                        | Part Number |
|--------|---|-------------|
| Tundra | Bumper Hitch Wire Harness and Converter | PT207-34000 |
|        | Towing Hitch Wire Harness and Converter | PT207-34002 |
| Tacoma | Wire Harness and Converter              | PT207-04981 |
|        | Towing Hitch Wire Harness Kit           | PT214-04985 |

All Pre-SSC kits or parts are to be returned to your facing PDC utilizing the following instructions:

- Complete form *TMP134\** and check Return Code of R2.  
\*Dealerships using Dealer Daily must still fill out and submit a paper form TMP134 for this activity.
- No pre-approval is required, but **attach a copy of this page.**
- All parts must be returned no later than October 31, 2001.

## 8. Reimbursement Procedures

Submit Special Service Campaign claims following the procedures described in the Toyota Warranty Policy and Procedures Manual.

The operation codes to be used for this campaign are as follows:

| SSC # | Model  | Op. Code | Description   | Flat Rate Hour |
|-------|--------|----------|---|----------------|
| 10H   | Both   | 1517G1   | Inspection Only   | 0.3 Hr/Veh     |
|       | Tundra | 1517G3   | Inspect and Replace the Trailer Towing Wire Harness Converter | 0.7 Hr/Veh     |
|       | Tacoma | 1517G2   | Inspect and Replace the Trailer Towing Wire Harness Converter | 0.9 Hr/Veh     |

NOTE: The above flat rate time includes 0.1 hours of administrative cost per unit for the dealership.

Please review this entire package with your Service and Parts staff to familiarize them with the proper step-by-step procedures required to implement this Special Service Campaign.

Thank you for your cooperation.

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

Attachments:

## SSC 10H VIN RANGE

| MODEL  | YEAR  | VIN Range           |                     |
|--------|-------|---------------------|---------------------|
|        |       | VDS                 | Range               |
| Tundra | 2000  | JN321               | 001001 – 125878     |
|        |       | RN341               | 001001 – 125859     |
|        |       | RT341               | 001001 – 125904     |
|        |       | RT381               | 001001 – 125897     |
|        |       | KN441               | 001001 – 051314     |
|        |       | KT441               | 001001 – 125833     |
|        |       | BN441               | 001001 – 125840     |
|        |       | BT441               | 001001 – 125901     |
|        |       | BT481               | 001001 - 125894     |
| Tacoma | 1999  | NL42N               | XZ400001 – XZ570641 |
|        |       | VL52N               | XZ400621 – XZ571068 |
|        |       | VN52N               | XZ402278 – XZ572065 |
|        |       | NM92N               | XZ412228 – XZ571812 |
|        |       | SM92N               | XZ401988 – XZ572040 |
|        |       | SN92N               | XZ403051 – XZ573245 |
|        |       | PM62N               | XZ401072 – XZ571294 |
|        |       | WM72N               | XZ401467 – XZ571721 |
|        |       | WN72N               | XZ402312 – XZ572790 |
|        | WN74N | XZ402697 – XZ572796 |                     |
|        | 2000  | NL42N               | YZ573246 – YZ718163 |
|        |       | VL52L               | YZ573678 – YZ718157 |
|        |       | VN52N               | YZ575196 – YZ716365 |
|        |       | NM92N               | YZ574852 – YZ718160 |
|        |       | SM92N               | YZ574939 – YZ718154 |
|        |       | SN92N               | YZ575840 – YZ718161 |
|        |       | PM62N               | YZ574104 – YZ718150 |
|        |       | WM72N               | YZ574354 – YZ718139 |
|        |       | WN72N               | YZ575215 – YZ718158 |
| WN74N  |       | YZ575837 – YZ714610 |                     |

**\*Not all vehicles in the VIN range are affected by this SSC. Always consult TDN or TIS to confirm VIN eligibility and to assure the SSC is applicable.**



## 2000 MY Tundra and 1999 – 2000 MY Toyota Tacoma Trailer Towing Wire Harness Converter Special Service Campaign

**Q1: What is the condition?**

A1: An electrical short or open circuit can cause a fault in the Toyota Trailer Towing Wire Harness Converter (converter). This can cause a failure of the converter, and if a trailer is being towed at the time, non-operation of the trailer lights. In limited cases, the converter housing could become heat-deformed.

**Q2: What is the cause of this condition?**

A2: In the case of the Tundra, the circuitry utilized in the converter was inadequate to properly manage vehicle and/or trailer-side voltage spikes. If the converter is exposed to a voltage spike it may cause an electrical short or open circuit within the converter.

As for the Tacoma, due to deficient waterproofing and improper installation location of the converter, which is mounted in the lower portion of the taillight cavity of the vehicle, an electrical short circuit will occur if water enters the converter housing.

**Q3: Which models are involved?**

A3: Only certain 2000 MY Tundra and 1999 and 2000 MY Toyota Tacoma vehicles equipped with the genuine Toyota Trailer Towing Wire Harness Converter are involved.

**Q4: What is the production range of the involved converters?**

A4: The involved converters were manufactured between May, 1999 through July, 2000 for the Tundra and between April, 1999 through August, 2000 for the Tacoma.

**Q5: How many cases have been reported?**

A5: There have been approximately 30 cases for the Tundra and 10 cases for the Tacoma reported in the U.S.

**Q6: Are there any warnings that this condition has occurred?**

A6: Yes, if the converter has failed, the trailer lights will not operate correctly.

**Q7: Is there a possibility of vehicle accident?**

A7: There have been no reported accidents.

**Q8: Will all involved vehicles experience this condition?**

A8: No. Not all vehicles will experience this condition. Only those vehicles equipped with the subject Toyota Trailer Towing Wire Harness Converter may experience this condition.

**Q9: What is Toyota going to do?**

A9: Owners of the involved vehicles will receive a campaign notification by first class mail between mid to late August 2001. Any Toyota dealer will inspect the vehicle and, if the affected converter is installed, replace it with an improved one. This converter replacement will be performed at **NO COST** to the vehicle owner.

**Q10: How long will the repair take?**

A10: The labor time for replacement of the Trailer Wire Harness Converter is slightly less than 1 hour for the Tacoma for the Tundra. However, depending upon the dealer's work schedule, it may be necessary to make your vehicle available for a longer period of time.

**Q11: Does this condition affect other Toyota/Lexus models?**

A11: No. Only the 1999 and 2000 MY Toyota Tacomas and 2000 MY Tundras equipped with the involved genuine Toyota Trailer Towing Wire Harness Converter are affected.

**Q12: Are there any other countries involved?**

A12: Yes, a small number of the Toyota Trailer Towing Wire Harness Converters have been sold in Canada.

[For Vehicle Owners Only]

**Q13: Will this condition occur in my Toyota?**

A13: If your Toyota Tacoma or Tundra is equipped with a genuine Toyota Trailer Towing Hitch (Trailer Towing Wire Harness Converter), please contact your nearest Toyota dealer to verify if your vehicle is affected.

**Q14: What should an owner do if they experience the condition?**

A14: Owners are requested to contact their local Toyota dealer for diagnosis and repair.

**2000 MY Toyota Tundra and 1999 - 2000 MY Toyota Tacoma  
Trailer Towing Wire Harness Converter Safety Recall Notice**

Dear Toyota Owner:

This notice is being sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Toyota has decided that a defect, which relates to motor vehicle safety, exists in certain 2000 model year Toyota Tundra and 1999 - 2000 model year Toyota Tacoma trucks equipped with the genuine Toyota Trailer Towing Wire Harness Converter ("converter").

The converter (included as a component of the genuine Toyota Towing Hitch Kit Accessory) integrates the vehicle's tail lights, brake lights, and turn-signal lights with those equipped on a trailer.

What is the problem?

An electrical short or open circuit can cause a fault in the genuine Toyota Trailer Towing Wire Harness Converter. This can cause a failure of the converter, and if a trailer is being towed at the time, non-operation of the trailer lights. In limited cases, the converter housing could become heat-deformed. In the worst case, driving without trailer lights will increase the possibility of a vehicle accident.

What will Toyota do?

**Any Toyota dealer will replace the genuine Toyota Trailer Towing Wire Harness Converter with an improved one at NO COST to you.**

What should you do?

Contact any authorized Toyota dealer to schedule an appointment for the replacement of the genuine Toyota Trailer Harness Converter as soon as possible.

The labor time for the replacement of the converter is slightly less than 1 hour. However, depending upon the dealer's work schedule, it may be necessary to make your vehicle available for a longer period of time.

**Please present this notice to the dealer when you bring the vehicle in for your service appointment.**

If your vehicle is not equipped with a genuine Toyota Trailer Towing Hitch Accessory or you no longer own the vehicle, please complete the appropriate information on the enclosed postage paid form, and return it to us.

If you have other questions

Please contact any Toyota dealer or call the Toyota Customer Assistance Center at 800-331-4331.

If you believe that the dealer or Toyota has failed or is unable to remedy the defect within a reasonable time, you may submit a complaint to the administrator, National Highway Traffic Safety Administration, 400 Seventh Street S.W., Washington, D.C. 20590, or call the toll free Auto Safety Hot Line at 888-327-4236 (Washington, D.C. area residents may call 366-0123).

We have sent this notice in the interest of your continued satisfaction with our products, and we sincerely regret any inconveniences this condition may have caused you.

Thank you for driving a Toyota.

Sincerely,

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

## 2000 MY Toyota Tundra and 1999 - 2000 MY Toyota Tacoma Trailer Towing Wire Harness Converter Safety Recall Notice

Dear Toyota Owner:

This notice is being sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Toyota has decided that a defect, which relates to motor vehicle safety, exists in certain 2000 model year Toyota Tundra and 1999 - 2000 model year Toyota Tacoma trucks equipped with the genuine Toyota Trailer Towing Wire Harness Converter ("converter").

The converter (included as a component of the Toyota Towing Hitch Kit Accessory) integrates the vehicle's tail lights, brake lights, and turn-signal lights with those equipped on a trailer.

### What is the problem?

An electrical short or open circuit can cause a fault in the genuine Toyota Trailer Towing Wire Harness Converter. This can cause a failure of the converter, and if a trailer is being towed at the time, non-operation of the trailer lights. In limited cases, the converter housing could become heat-deformed. In the worst case, driving without trailer lights will increase the possibility of a vehicle accident.

### What will Toyota do?

**Any Toyota dealer will inspect, and if your vehicle is so equipped, replace the converter with an improved one at NO COST to you.**

### What Should You Do?

Contact any authorized Toyota dealer to schedule an appointment for the replacement of the genuine Toyota Trailer Harness Converter as soon as possible.

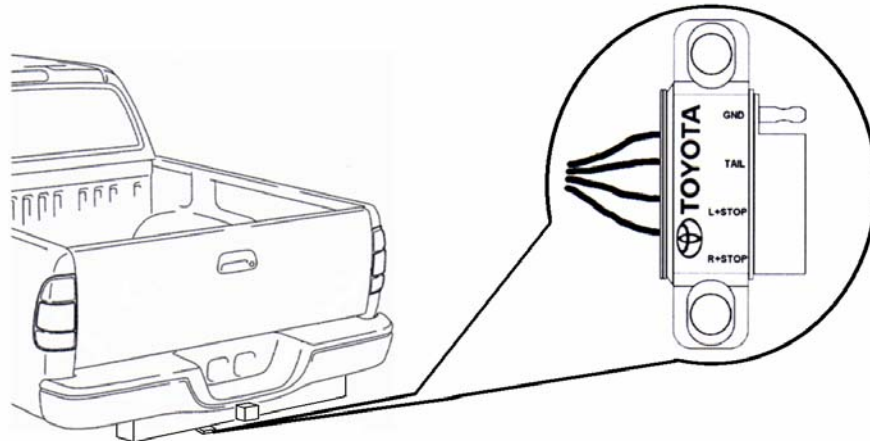
The labor time for the replacement of the Converter is slightly less than 1 hour. However, depending upon the dealer's work schedule, it may be necessary to make your vehicle available for a longer period of time.

**Please present this notice to the dealer when you bring the vehicle in for your service appointment.**

If you determine your vehicle is not equipped with a Trailer Towing Hitch, the involved genuine Toyota converter, or you no longer own the vehicle, please check the appropriate box on the attached postage paid form and return it to us.

### How can you identify the affected genuine Toyota Trailer Towing Wire Harness Converter?

If you prefer to inspect the vehicle yourself, the converter can be identified by using a mirror to inspect the underside of the "Flat Four" trailer connector (mounted on the driver's side, under the Trailer Towing Hitch) for the Toyota Logo as indicated in the diagram.



### What if you have other questions?

Please contact any Toyota dealer or call the Toyota Customer Assistance Center at 800-331-4331.

If you believe that the dealer or Toyota has failed or is unable to remedy the defect within a reasonable time, you may submit a complaint to the administrator, National Highway Traffic Safety Administration, 400 Seventh Street S.W., Washington, D.C. 20590, or call the toll free Auto Safety Hot Line at 888-327-4236 (Washington, D.C. area residents may call 366-0123).



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**TECHNICAL INSTRUCTIONS**

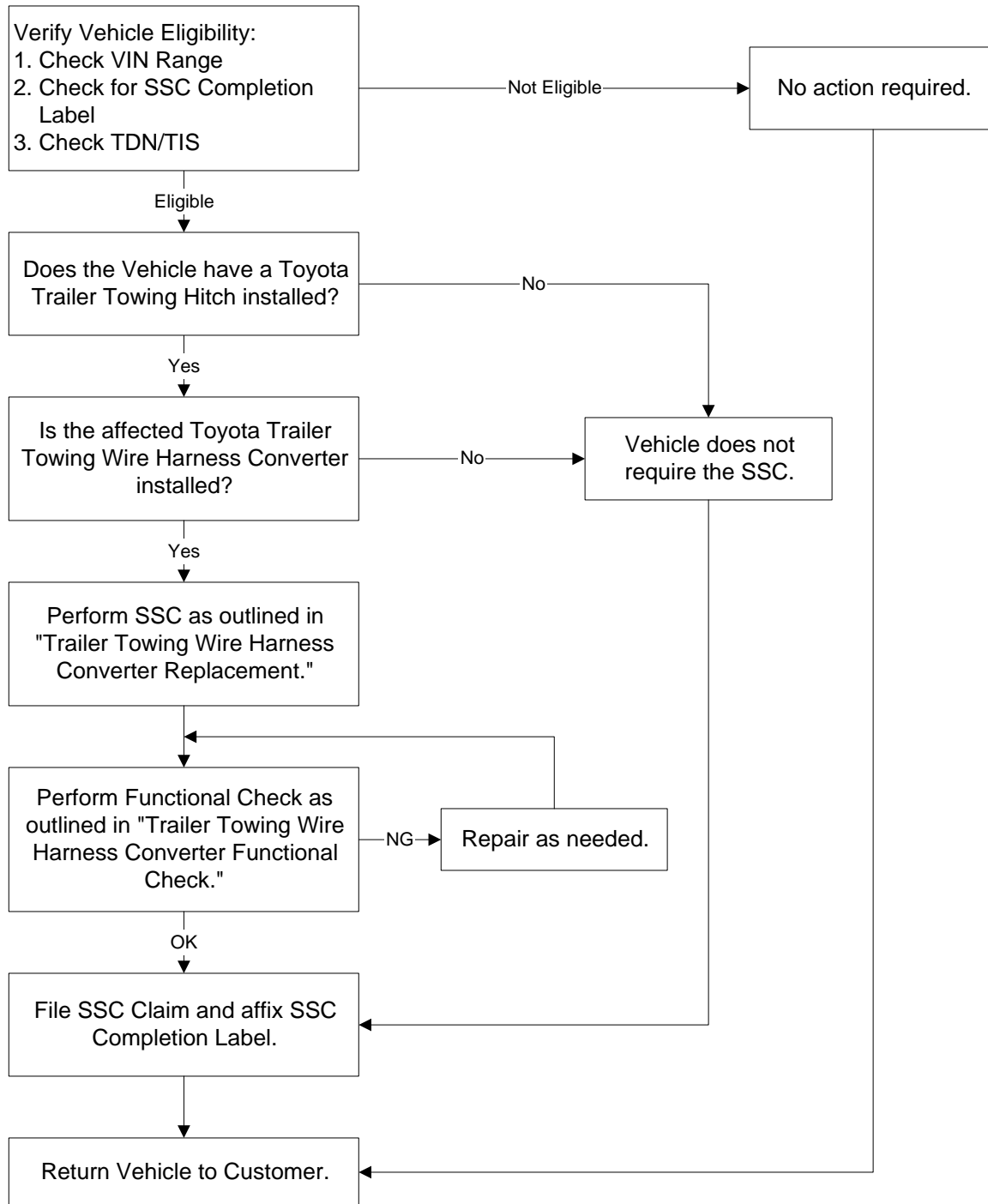
**FOR**

**SPECIAL SERVICE CAMPAIGN 10H**

**PART A (2000 TUNDRA)**

**TRAILER TOWING WIRE HARNESS CONVERTER**  
**REPLACEMENT**

# OPERATION FLOW CHART



## II. AFFECTED VIN RANGE

| MODEL  | YEAR | VIN Range |                   |
|--------|------|-----------|-------------------|
|        |      | VDS       | Range             |
| Tundra | 2000 | JN321     | S001001 – S125878 |
|        |      | RN341     | S001001 – S125859 |
|        |      | RT341     | S001001 – S125904 |
|        |      | RT381     | S001001 – S125897 |
|        |      | KN441     | S001001 – S051314 |
|        |      | KT441     | S001001 – S125833 |
|        |      | BN441     | S001001 – S125840 |
|        |      | BT441     | S001001 – S125901 |
|        |      | BT481     | S001001 - S125894 |

**NOTE: Only vehicles equipped with a Toyota Trailer Towing Wire Harness Converter are affected. Always verify eligibility through TDN/TIS prior to performing repairs.**

## III. PREPARATION

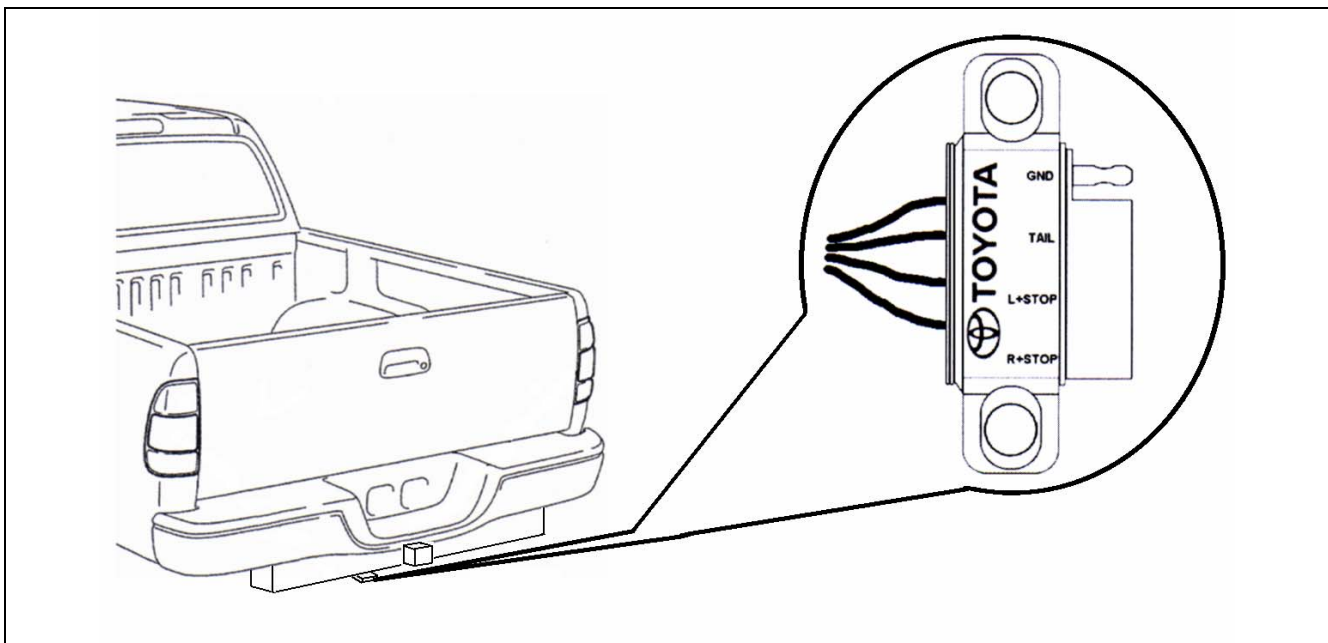
### A. PARTS

| Model  | Part Number | Description                 | Qty/ Vehicle |
|--------|-------------|-----------------------------|--------------|
| Tundra | 08921-34880 | Trailer Hitch Converter Kit | 1            |

### B. TOOLS

- Standard Hand Tools

### C. COMPONENTS



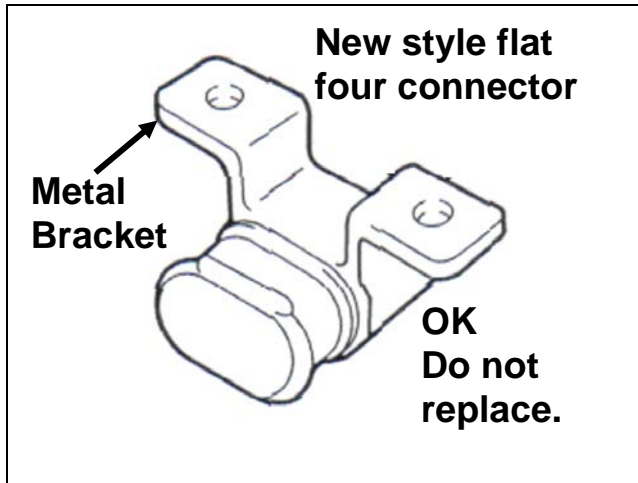
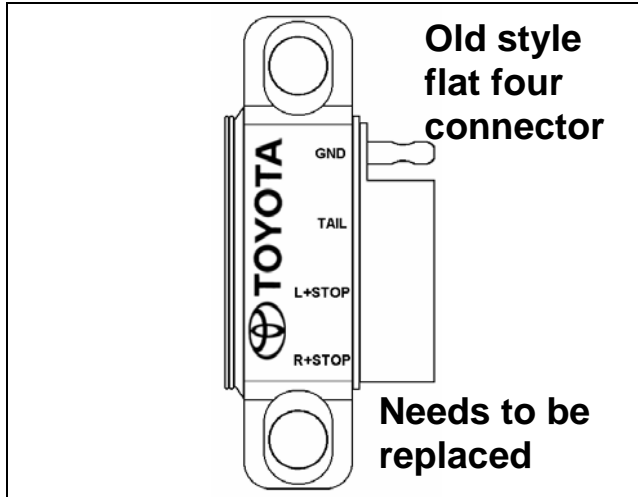
## IV. VEHICLE INSPECTION

### 1. VERIFY VEHICLE ELIGIBILITY

- Confirm that the VIN is within the SSC VIN range.
- Inspect the driver's side door pillar for an SSC completion label.
- Assure that the vehicle is equipped with a Toyota trailer towing wire harness converter.

### 2. INSPECT TRAILER TOWING FLAT FOUR CONNECTOR

The involved converter can be identified by using a mirror to inspect the underside of the **plastic** trailer towing "flat four" connector (mounted on the driver's side, under the trailer towing hitch or bumper) for the Toyota logo as indicated in the diagram.



#### NOTE:

The new Trailer Towing Harness Converter (no need to replace) flat four connector is mounted to a **metal** bracket.

#### NOTE:

Since a customer may elect to install aftermarket trailer towing equipment, inspect the vehicle to determine if it is equipped with the involved Toyota trailer towing wiring harness converter. Only vehicles equipped with the old style flat four connector are subject to this SSC.

- If the plastic "flat four" connector **has** "TOYOTA" imprinted on it, then **continue to Section V.**
- If the "flat four" connector **does not have** "TOYOTA" imprinted on it or if the "TOYOTA" is imprinted on the metal bracket portion. **Proceed to Section VII.** "SSC COMPLETION LABEL INSTALLATION" and file an "INSPECTION ONLY" SSC claim.

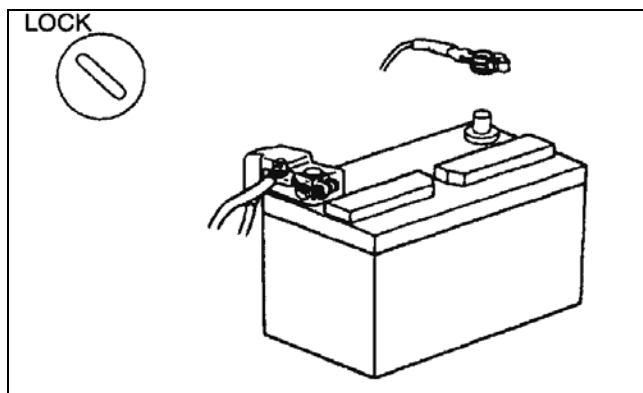
## V. TRAILER TOWING WIRE HARNESS CONVERTER REPLACEMENT

### 1. VERIFY VEHICLE ELIGIBILITY

- Confirm that the VIN is within the SSC VIN range.
- Inspect the driver's side door pillar for an SSC completion label.
- Assure that the vehicle is equipped with a Toyota trailer towing wire harness converter.

### 2. DISCONNECT THE BATTERY

- Record radio station presets.
- Disconnect the negative (-) battery cable.



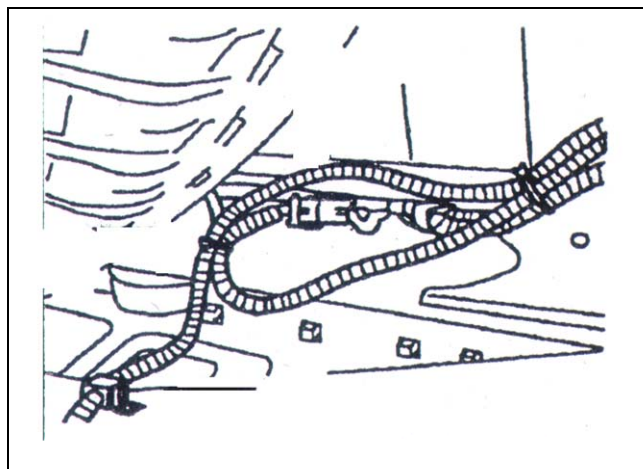
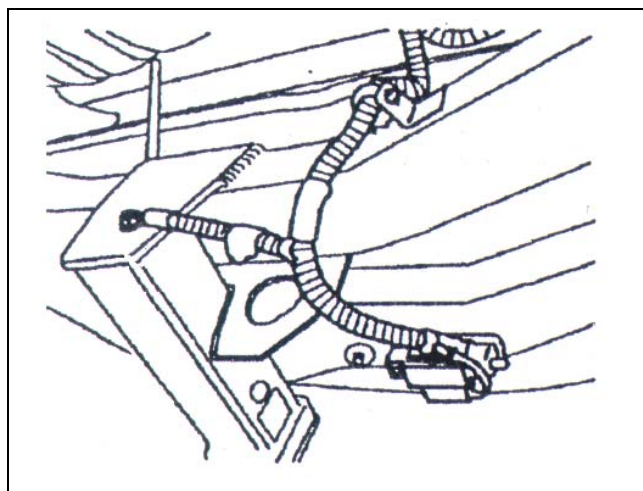
### 3. REMOVE THE ORIGINAL CONVERTER AND TRAILER HITCH WIRING HARNESS

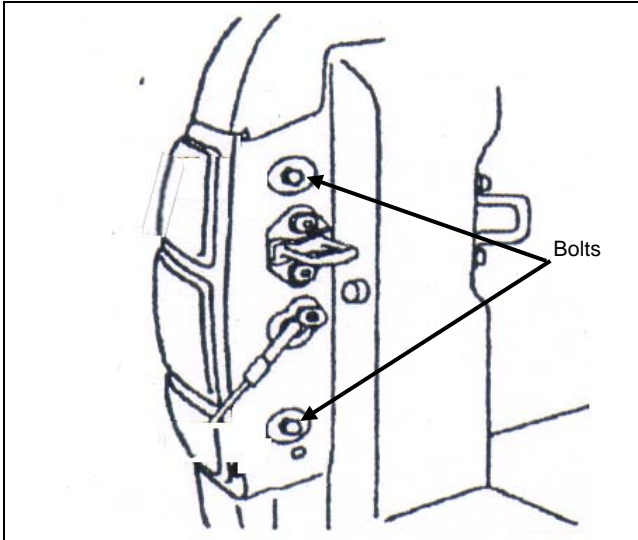
- Unbolt the original flat four connector from the trailer hitch.
- Remove the ground connection from the backside of the weld plate.
- Reinstall the ground bolt into its original location.

#### Bumper mount only:

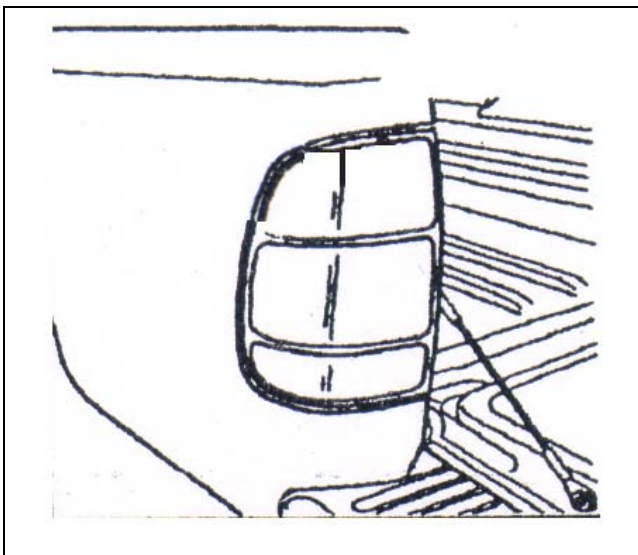
Remove the two screws holding the flat four connector to the Z-bracket.

- Disconnect the original converter wiring harness from the vehicle wire harness.
- Remove any tie-wraps holding the converter wiring harness to the vehicle.





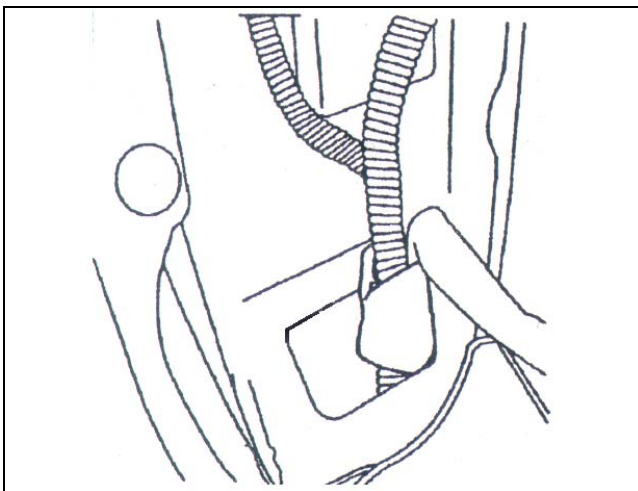
- (f) Lower the tail gate.
- (g) Remove the two taillight mounting bolts.



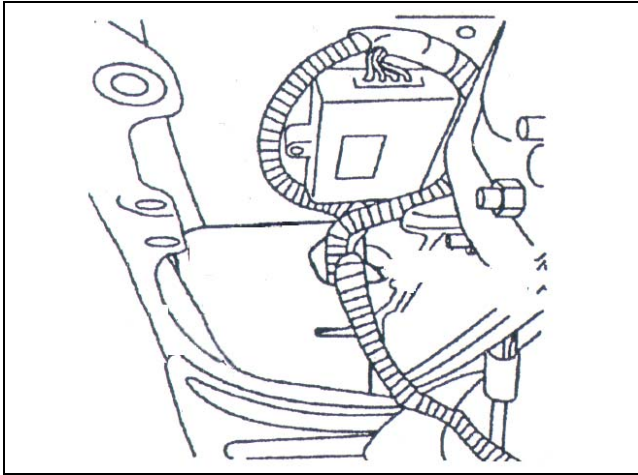
- (h) Remove the interior clips for the taillight with a nylon pry tool.
- (i) Carefully remove the taillight assembly.
- (j) Disconnect the taillight wire harness at the connector and set the assembly aside.

**NOTE:**

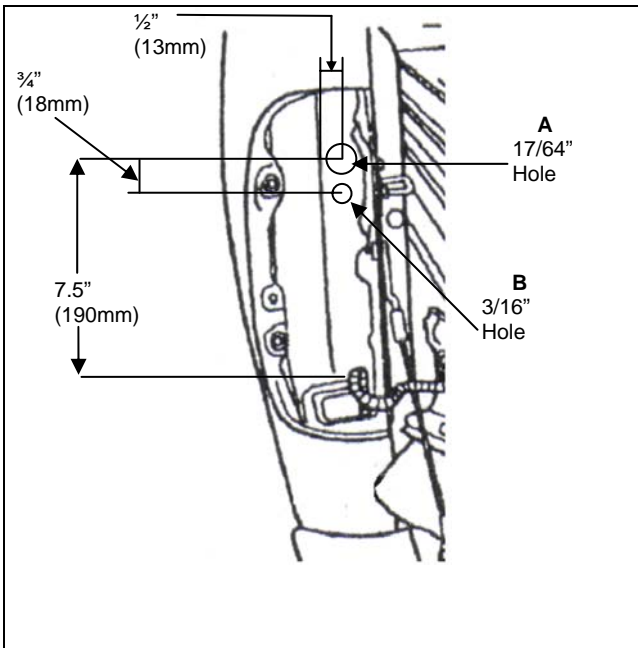
- **Do not allow the taillight assembly to hang against the body by the wire harness.**
- **Use caution when disconnecting the taillight wire harness connector.**
- **Take care not to drop the taillight assembly.**



- (k) Remove any foam or tie-wraps holding the converter harness to the taillight harness.
- (l) Remove the splashguard from the bottom of the taillight housing and discard it.

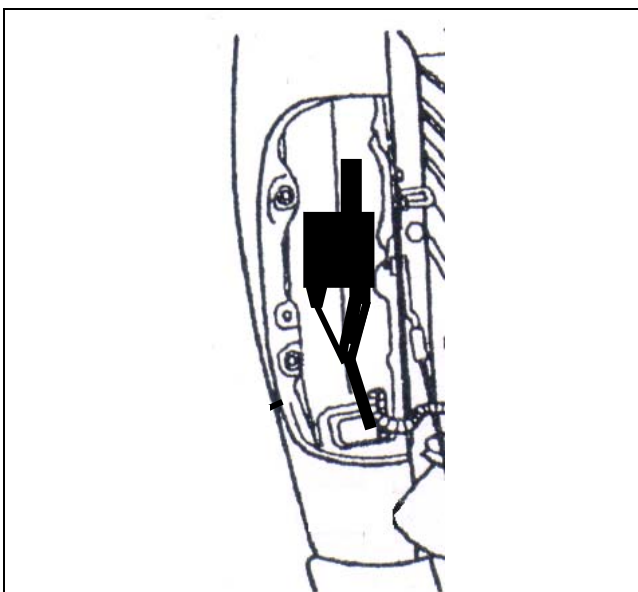


- (m) Remove the old converter with harness from the taillight cavity.

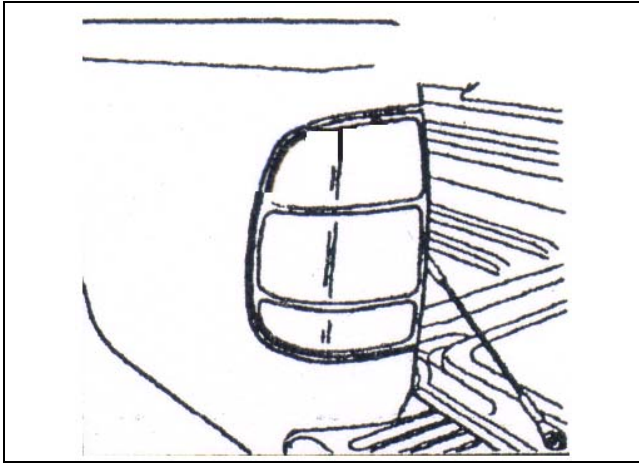


#### 4. INSTALLATION OF THE NEW CONVERTER BOX

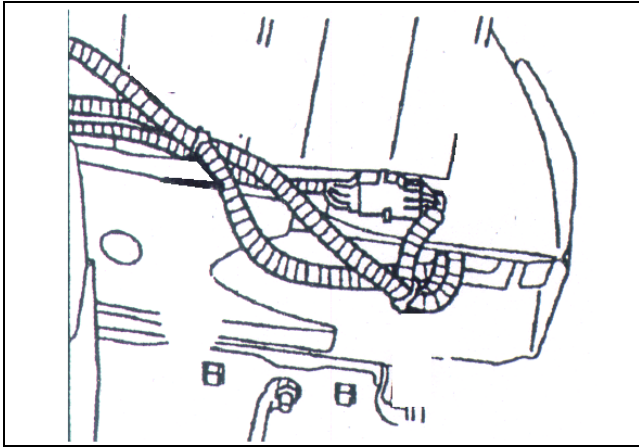
- (a) Drill 2 holes in the left taillight cavity to mount the new converter box.
- Drill hole **A** using a 17/64" drill bit 7.5"(190mm) from the bottom of the taillight housing and 0.5(13mm) to the right of the of the vertical body line.
  - Using hole **A** as a reference point drill hole **B** 3/4"(18mm) directly below hole **A** using a 3/16" drill bit.
- (b) Remove any metal chips from the area.
- (c) Clean the area around and below the holes with a prep solvent.
- (d) Apply body sealant or rust protective paint on the holes.
- (e) Connect the single white connector and the flat black 8-pin connector to the new converter box.
- (f) Apply the double-sided tape to the back of the converter box.
- (g) Guide the lower portion of the converter box harness through the lower opening of the taillight cavity.
- (h) Install the new converter box into the taillight cavity ensuring that the tab goes into hole **A**.
- (i) Install the provided self-tapping screw into hole **B**.
- TORQUE: 5 N•m(51kgf•cm, 45in•lbf)**
- (j) Secure the converter harness to the vehicles taillight harness with a tie wrap.





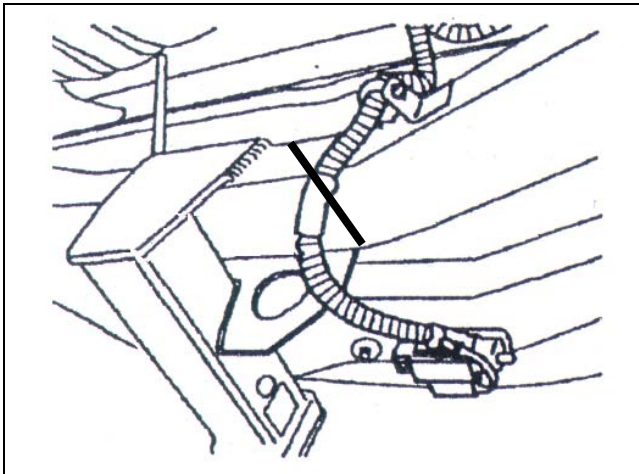


- (k) Reconnect and reinstall the left taillight.



## 5. INSTALLATION OF CONVERTER WIRE HARNESS

- (a) From underneath the vehicle route the converter harness along the rear vehicle harness towards the right.
- (b) Connect the gray 8-pin connector from the converter harness to the vehicle harness.

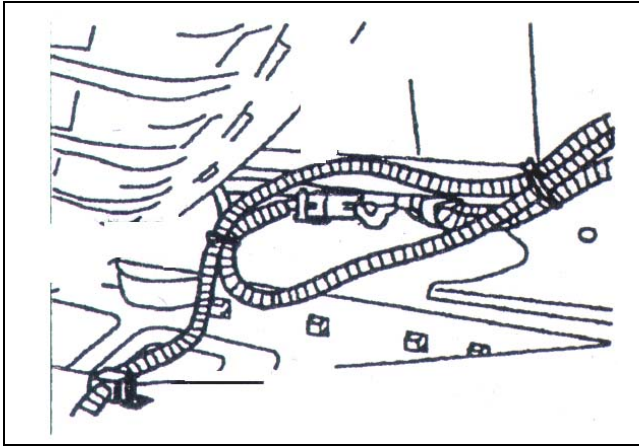


- (c) Mount the new flat four-connector bracket to the hitch plate bracket using the original bolts.

### **Bumper mount only:**

Attach the flat four connector to the Z-bracket using the original bolts.

- (d) Route the flat four-connector harness over the tow hitch and secure it to the vehicle harnesses with a tie wrap.
- (e) Secure the flat four harness to the hole in the vehicle frame with a tie wrap.

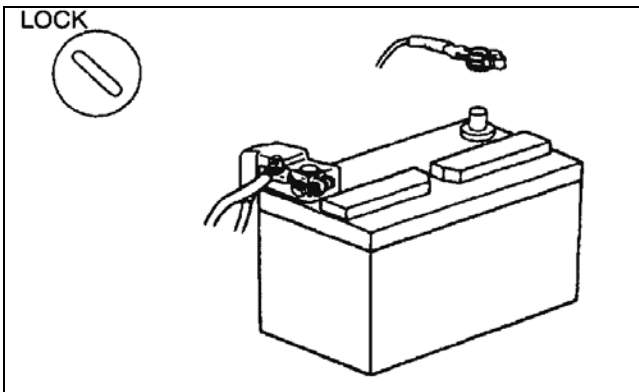


- (f) Connect the gray 6-pin connector from the flat four connector to the white 6-pin connector from the converter harness.
- (g) Secure the converter harness with 3 tie wraps to the vehicle harness in the area shown.

## 6. INSPECT FUSES

Inspect the following fuses and replace as necessary:

- STOP
- TAIL
- HAZ-TRN
- TURN



## 7. RECONNECT THE BATTERY

- (a) Reconnect the negative (-) battery terminal.
- (b) Reset radio station presets.
- (c) Set the clock to current time.
- (d) Perform the function check as outlined in **Section VI**.

## VI. TRAILER TOWING WIRE HARNESS CONVERTER FUNCTIONAL CHECK

Using a voltmeter (or SST 00002-62195 if available), verify the operation of the Vehicle Taillights and Trailer Towing Wire Harness Converter as outlined below:

- (a) Hazard Lights
  - (1) Turn on the hazard lights.
  - (2) Verify that the vehicle hazard lights are operating correctly.
  - (3) Using a voltmeter or SST verify converter operation. (check both L+STOP and R+STOP)
  - (4) Turn off the hazard lights.
- (b) Taillights
  - (1) Turn the headlight switch to the ON position.
  - (2) Verify that the vehicle taillights are illuminated.
  - (3) Using a voltmeter or SST verify converter operation. (TAIL)
  - (4) Turn off the headlights.
- (c) Stop Lights
  - (1) Have an assistant depress the brake pedal.
  - (2) Verify that the vehicle stoplights are functioning properly.
  - (3) Using a voltmeter or SST verify converter operation. (check both L+STOP and R+STOP)
  - (4) Release the brake pedal.
- (d) Reinstall "flat four"-connector dust cover.

## VII. SSC COMPLETION LABEL INSTALLATION

**A.** After completing the repair and before returning the vehicle to the owner, an SSC completion label, that is enclosed in the owner's notification, must be affixed to the left front door hinge post near the check strap.

**B.** The label is to be filled out as follows:

- Write in SSC 10H.
- Write in date of repair.
- Write in your dealer code.

|                       |      |
|-----------------------|------|
| SSC                   | Date |
| DEALER<br>CODE<br>NO. |      |
| 00410-01917           |      |

**C.** Additional SSC completion labels, in sheets of 50 (P/N 00410-01917), may be ordered through the non-parts system on a 1450 order form or through the TDN system.

**TECHNICAL INSTRUCTIONS**

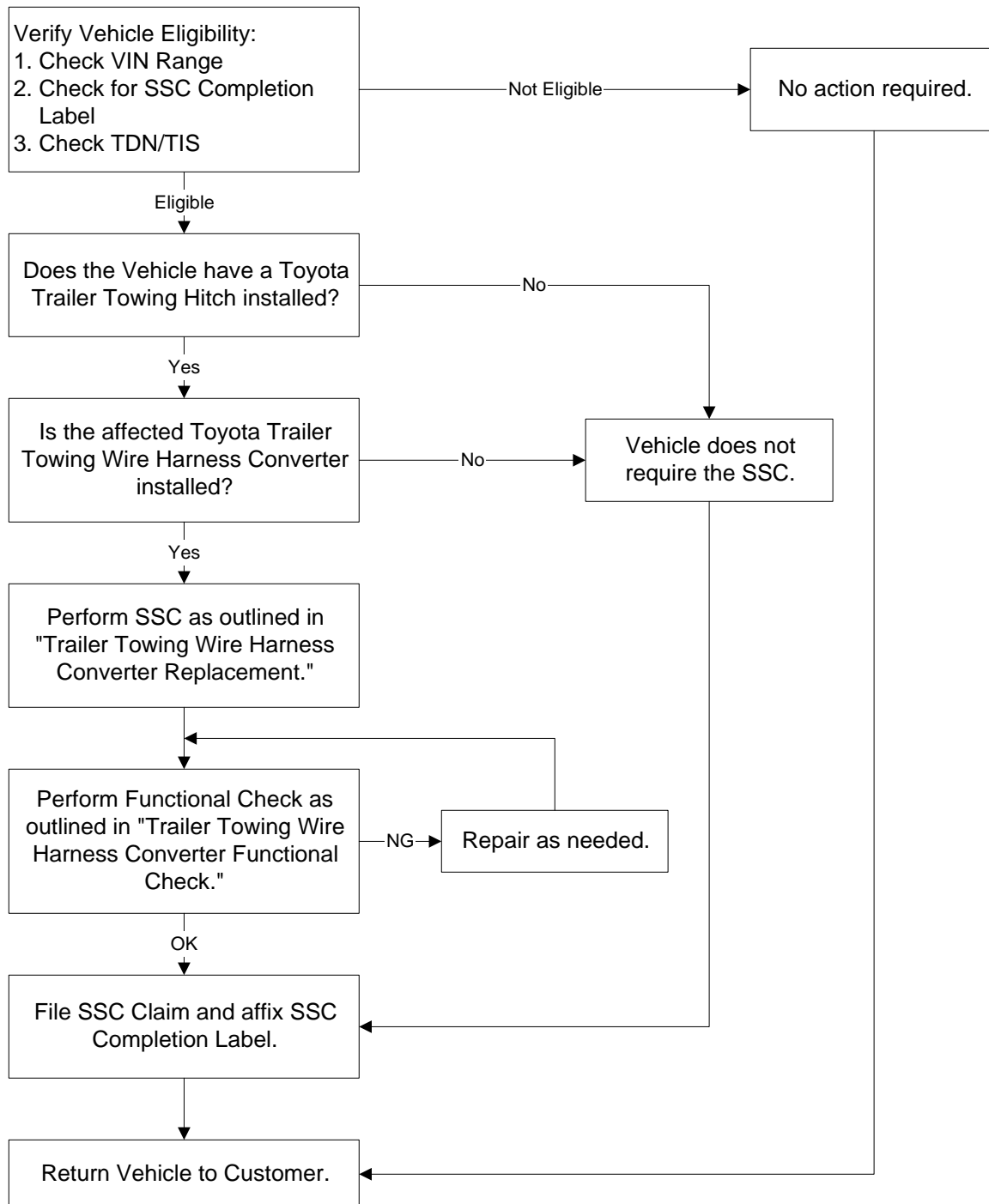
**FOR**

**SPECIAL SERVICE CAMPAIGN 10H**

**PART B (1999-2000 TACOMA)**

**TRAILER TOWING WIRE HARNESS CONVERTER  
REPLACEMENT**

# I. OPERATION FLOW CHART



## II. AFFECTED VIN RANGE

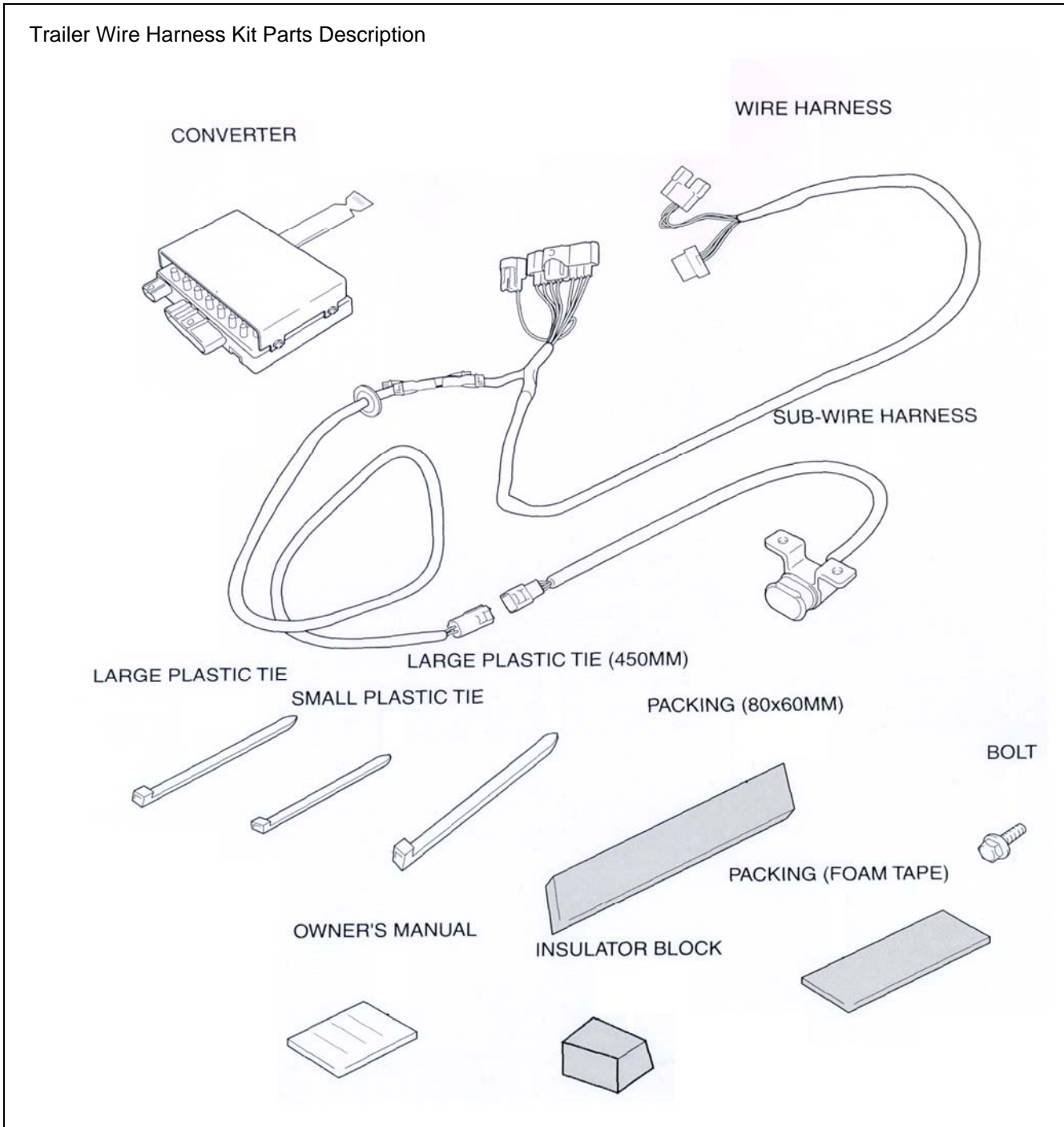
| MODEL  | YEAR | VIN Range |                     |
|--------|------|-----------|---------------------|
|        |      | VDS       | Range               |
| Tacoma | 1999 | NL42N     | XZ400001 – XZ570641 |
|        |      | VL52N     | XZ400621 – XZ571068 |
|        |      | VN52N     | XZ402278 – XZ572065 |
|        |      | NM92N     | XZ412228 – XZ571812 |
|        |      | SM92N     | XZ401988 – XZ572040 |
|        |      | SN92N     | XZ403051 – XZ573245 |
|        |      | PM62N     | XZ401072 – XZ571294 |
|        |      | WM72N     | XZ401467 – XZ571721 |
|        |      | WN72N     | XZ402312 – XZ572790 |
|        |      | WN74N     | XZ402697 – XZ572796 |
|        | 2000 | NL42N     | YZ573246 – YZ718163 |
|        |      | VL52N     | YZ573678 – YZ718157 |
|        |      | VN52N     | YZ575196 – YZ716365 |
|        |      | NM92N     | YZ574852 – YZ718160 |
|        |      | SM92N     | YZ574939 – YZ718154 |
|        |      | SN92N     | YZ575840 – YZ718161 |
|        |      | PM62N     | YZ574104 – YZ718150 |
|        |      | WM72N     | YZ574354 – YZ718139 |
|        |      | WN72N     | YZ575215 – YZ718158 |
|        |      | WN74N     | YZ575837 – YZ714610 |

**NOTE: Only vehicles equipped with a Toyota Trailer Towing Wire Harness Converter are affected. Always verify eligibility through TDN/TIS prior to performing repairs.**

### III. PREPARATION

#### C. PARTS

| Model  | Part Number | Description         | Qty/ Vehicle |
|--------|-------------|---------------------|--------------|
| Tacoma | 08921-04850 | Trailer Harness Kit | 1            |

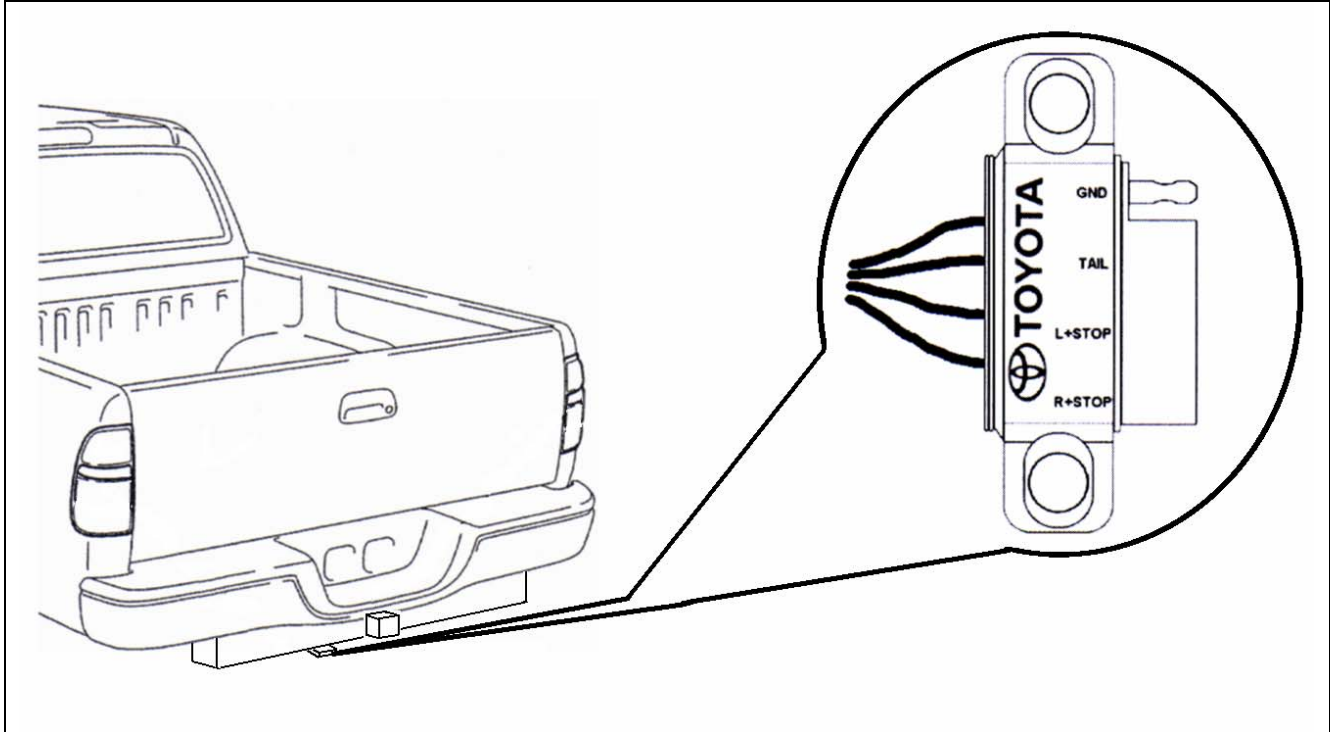




## D. TOOLS

- Standard Hand Tools

## C. COMPONENTS



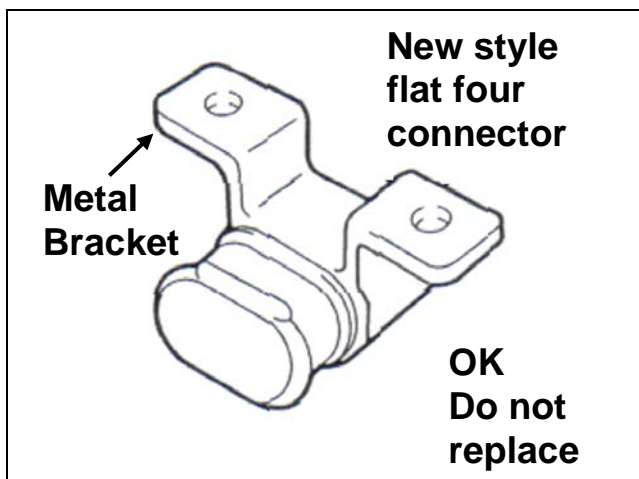
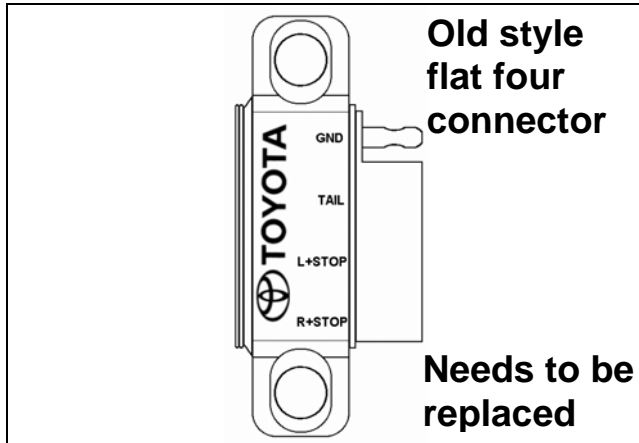
## IV. VEHICLE INSPECTION

### 3. VERIFY VEHICLE ELIGIBILITY

- (d) Confirm that the VIN is within the SSC VIN range.
- (e) Inspect the driver's side door pillar for an SSC completion label.
- (f) Assure that the vehicle is equipped with a Toyota trailer towing wire harness converter.

### 4. INSPECT TRAILER TOWING FLAT FOUR CONNECTOR

The involved converter can be identified by using a mirror to inspect the underside of the **plastic** trailer towing "flat four" connector (mounted on the driver's side, under the trailer towing hitch) for the Toyota logo as indicated in the diagram.

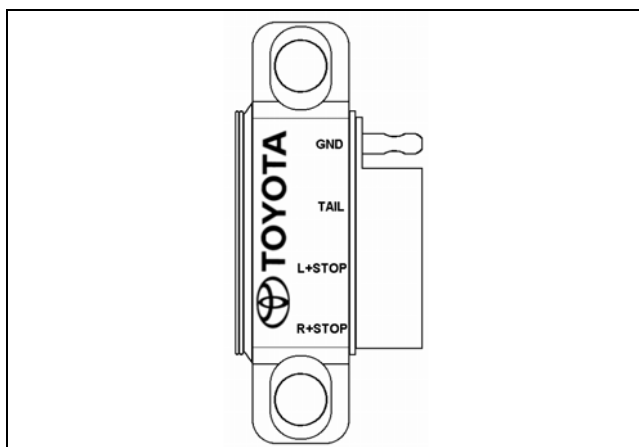


#### NOTE:

The new Trailer Towing Harness Converter (no need to replace) flat four connector is mounted to a *metal* bracket.

#### NOTE:

Since a customer may elect to install aftermarket trailer towing equipment, inspect the vehicle to determine if it is equipped with the involved Toyota trailer towing wiring harness converter. Only vehicles equipped with the old style flat four connector are subject to this SSC.

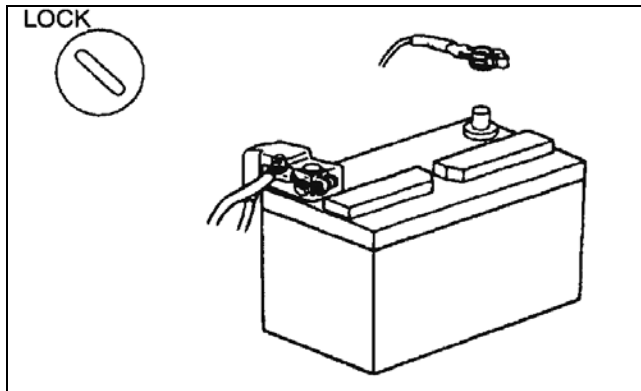


- (a) If the "flat four" connector **has** "TOYOTA" imprinted on it, then **continue to Section V.**
- (b) If the "flat four" connector **does not have** "TOYOTA" imprinted on it or if the "TOYOTA" is imprinted on the metal bracket portion. **Proceed to Section X.** "SSC COMPLETION LABEL INSTALLATION" and file an "INSPECTION ONLY" SSC claim.

## V. REMOVE EXISTING TRAILER TOWING WIRE HARNESS CONVERTER (ALL VEHICLES)

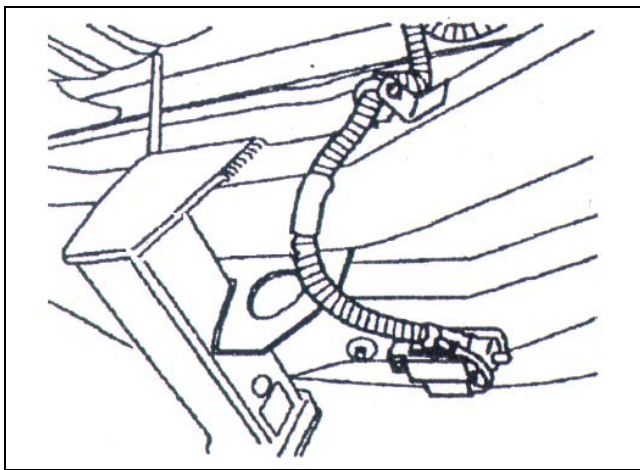
### 1. INSPECT VEHICLE

- (a) Inspect vehicle as outlined in **Section IV** to ensure that vehicle is equipped with a Toyota trailer towing wire harness converter.



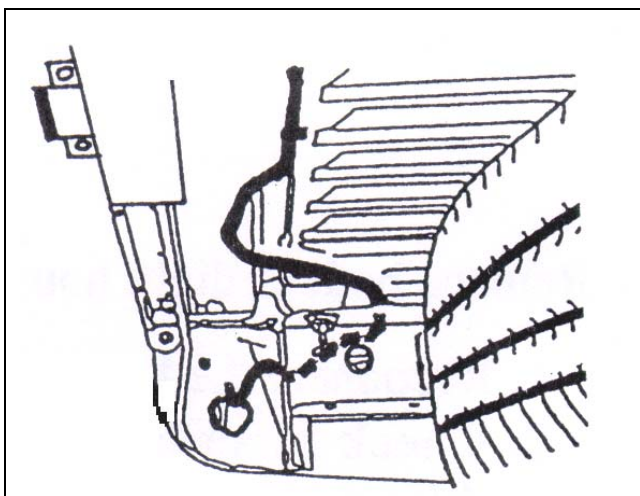
### 2. DISCONNECT THE BATTERY

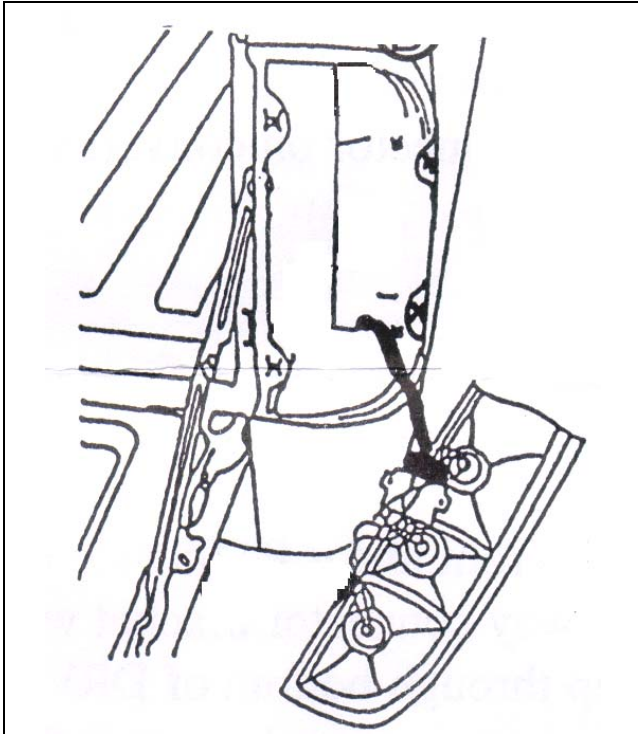
- (c) Record radio station presets.
- (b) Disconnect the negative (-) battery cable.



### 3. REMOVE THE ORIGINAL CONVERTER AND TRAILER HITCH WIRING HARNESS

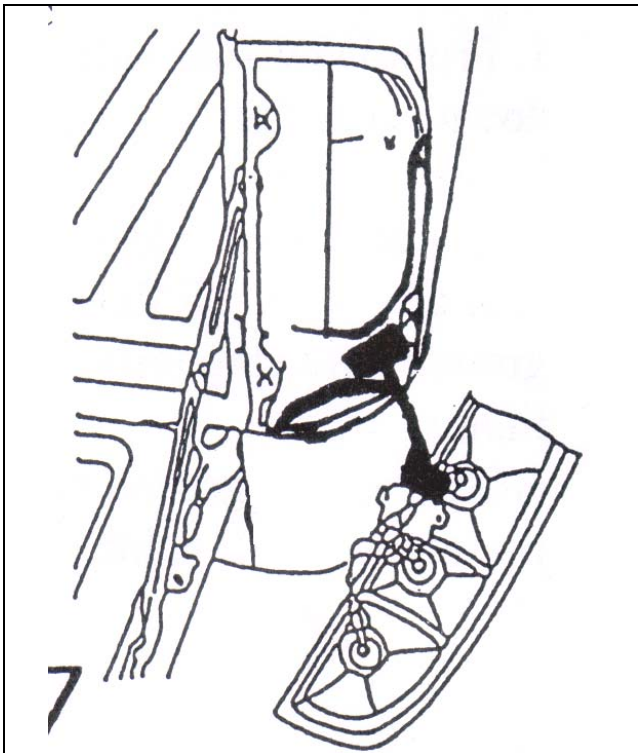
- (e) Unbolt the original flat four connector from the trailer hitch.
- (f) Remove the ground connection from underneath the body on the left side.
- (c) Remove any tie-wraps holding the converter wiring harness to the vehicle.





#### 4. REMOVE BOTH TAILLIGHT ASSEMBLIES

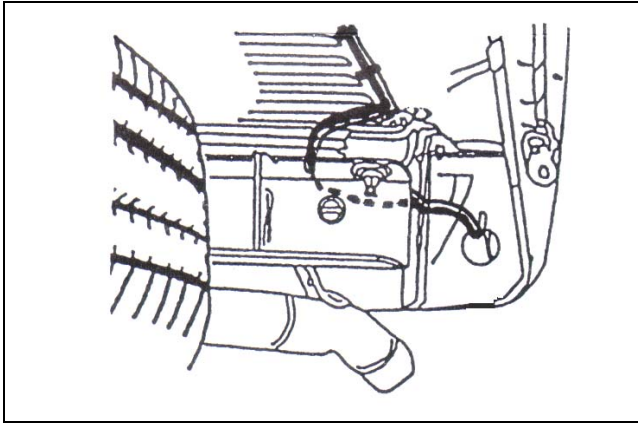
- (a) Lower tail gate.
- (b) Remove the four mounting screws from both taillight assemblies.



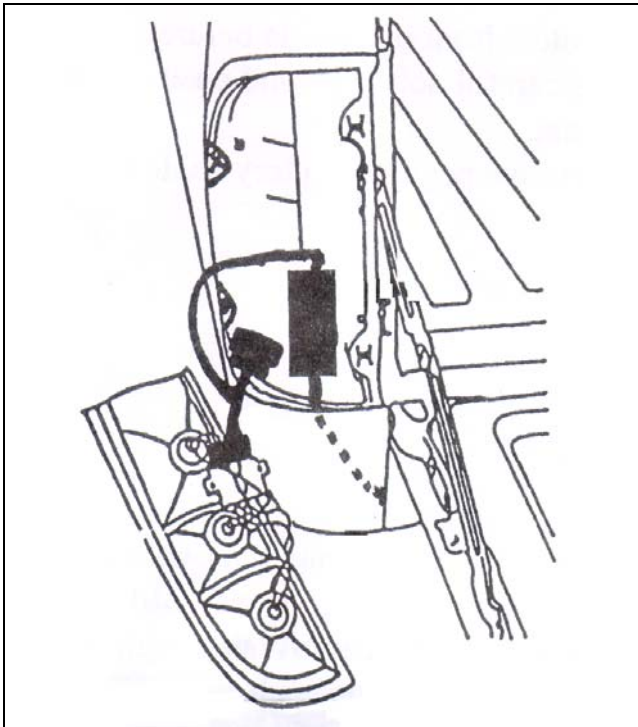
- (c) Carefully remove both taillight assemblies.
- (d) Disconnect the taillight wire harness at the connector and set the assembly aside.
- (e) Disconnect the jumper connector assembly from both taillight harnesses.

#### NOTE:

- Do not allow the taillight assemblies to hang against the body by the wire harness.
- Use caution when disconnecting the taillight wire harness connectors.
- Take care not to drop the taillight assemblies.



- (f) Remove any foam or tie-wraps holding the converter harnesses to the taillight harnesses.



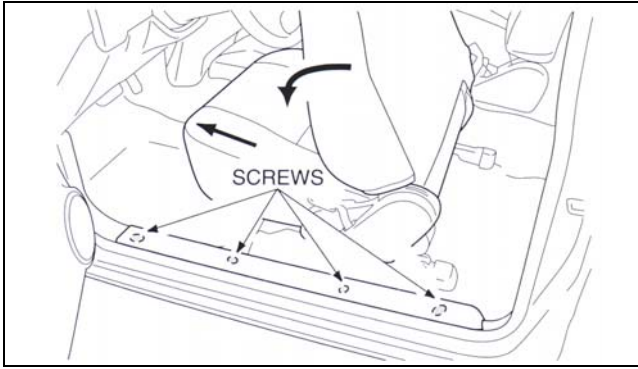
- (g) Remove the old converter with harness from the taillight cavity.

## 5. REINSTALL THE TAILLIGHTS

- (a) Reconnect the wire harness to each taillight.
- (b) Reinstall both taillights.
- (c) Proceed to **Section VI** for regular cab vehicles.
- (d) Proceed to **Section VII** for extra cab vehicles.

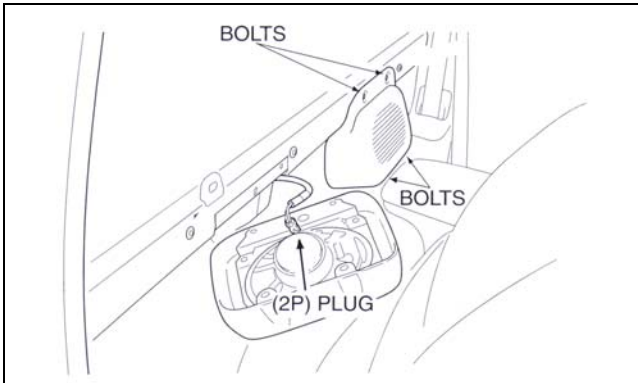


## VI. CONVERTER BOX INSTALLATION (REGULAR CAB)

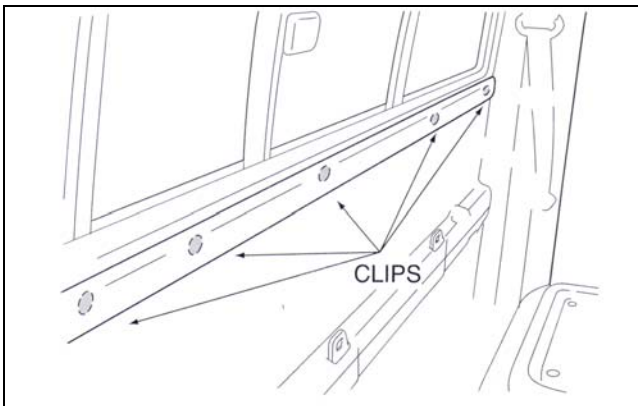


### 1. INSTALLATION OF NEW CONVERTER BOX

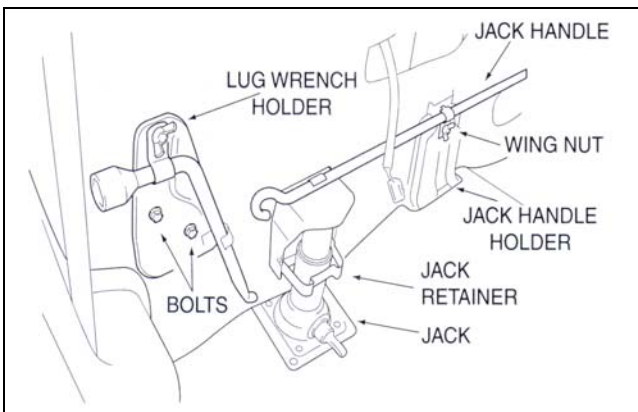
- (a) Remove the left scuff plate by removing the four screws.



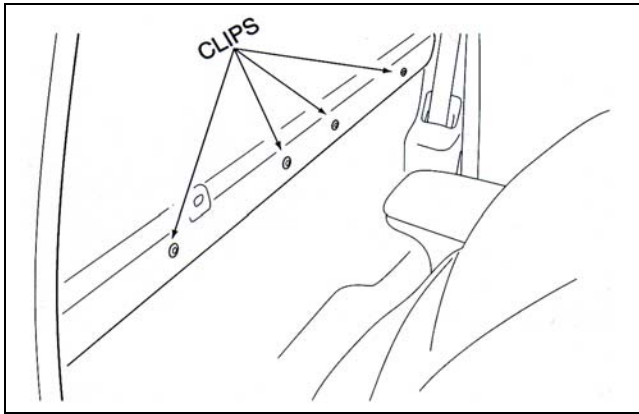
- (b) Remove the rear speakers (if equipped)
  - (1) Remove the four bolts from each speaker.
  - (2) Disconnect the connector from each speaker.



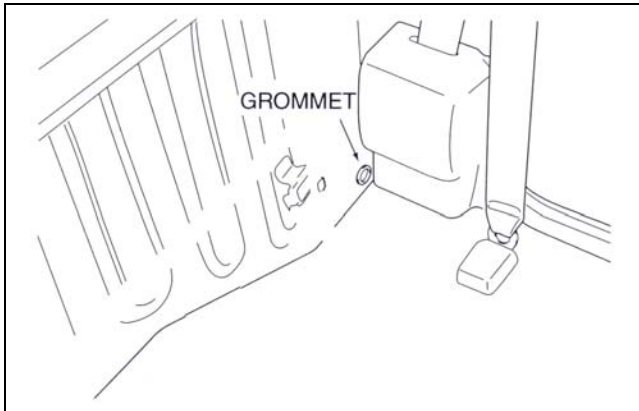
- (c) Remove the lower rear window trim (if equipped).
  - (1) Remove the lower rear window trim by releasing the five clips using a nylon pry tool.



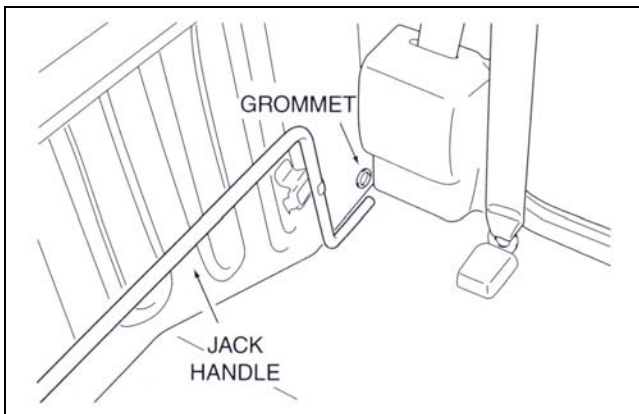
- (d) Remove the rear cab wall trim panel (if equipped).
  - (1) Remove the two bolts from the lug wrench holder.
  - (2) Loosen the wing nut and remove the jack handle.
  - (3) Remove the jack retainer and remove the jack.



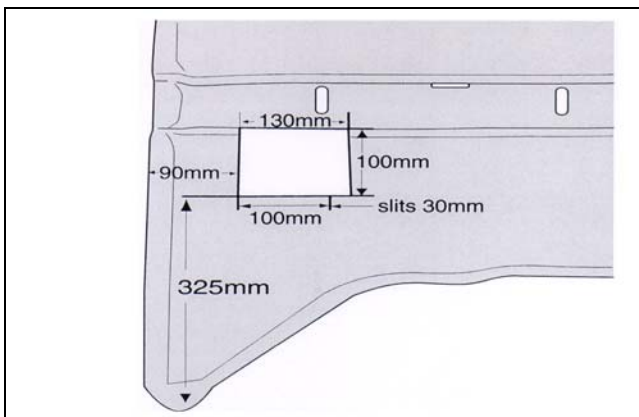
- (e) Remove the rear wall trim panel and grommet.  
 (1) Remove the four retaining clips and remove the trim panel.



- (2) Remove the grommet in the lower left corner.

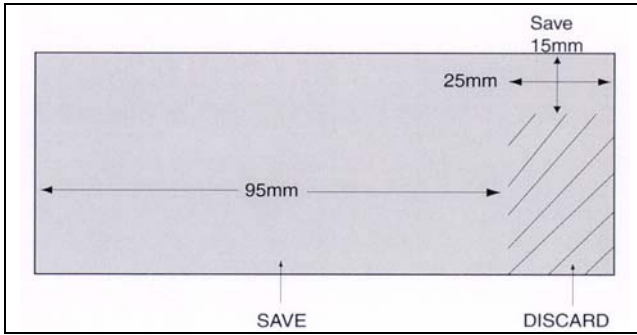


- (f) Remove jack handle (**vehicles without rear wall trim panel**).  
 (1) Remove the wing nut and remove the jack handle.  
 (2) Remove the grommet in the lower left corner.



- (g) Modify the rear wall trim panel (if equipped).  
 (1) Cut out area as shown.

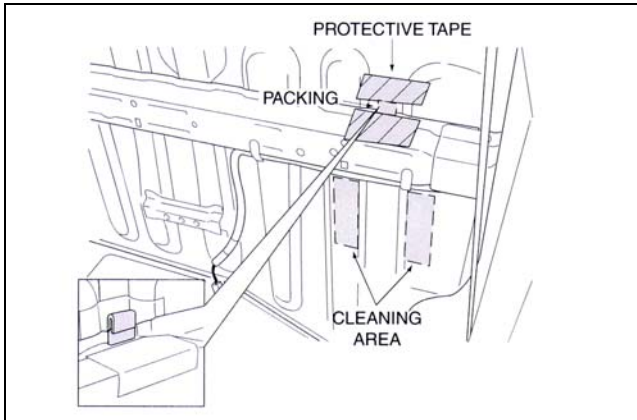
**NOTE:**  
**Panel is shown from the backside.**



- (2) Cut packing tape as shown.

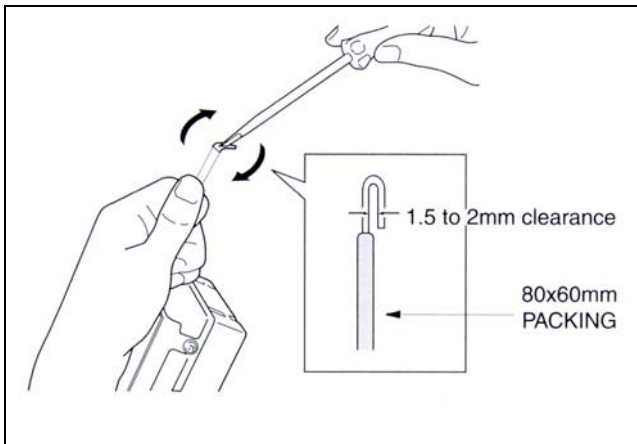
**NOTE:**

**Do not cut the 80mm x 60mm piece of tape.**



- (h) Surface preparation.

- (1) Clean surface in the area shown using a prep-solvent.
- (2) Attach a 25mm x 15mm piece of packing to the rear of the cab wall as shown.
- (3) Temporarily apply cloth tape to protect the vehicle's finish as shown.



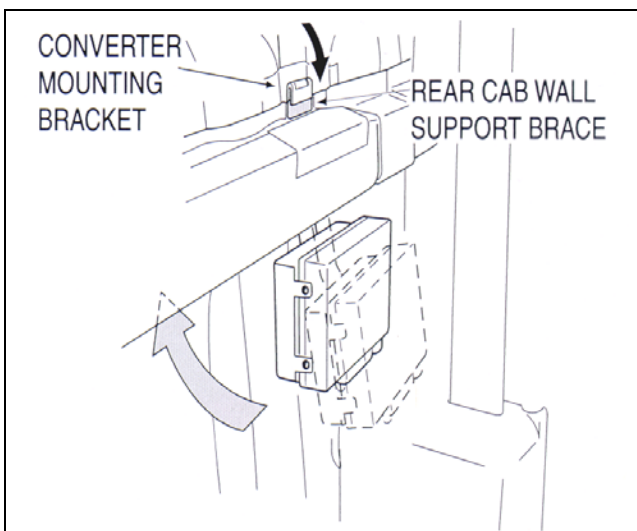
- (i) Bend the converter box mounting bracket.

- (1) Bend the top of the bracket as shown.

**NOTE:**

**There should be a 1.5 – 2.0 mm gap on the bracket after bending.**

- (2) Install the 80mm x 60mm packing around the mounting bracket as shown.



- (j) Mount the converter box.

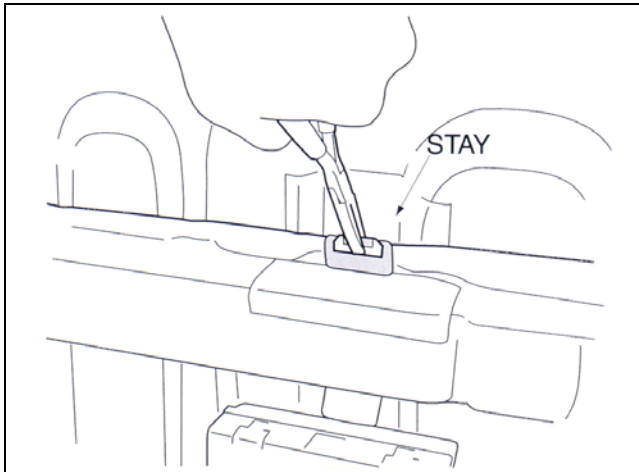
- (1) Carefully slid the converter-mounting bracket between the rear cab wall ribs.
- (2) Hook the bent portion of the bracket onto the cab wall support brace.

**NOTE:**

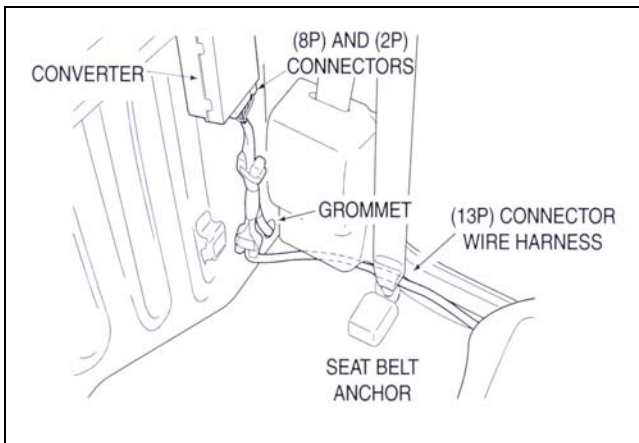
**Ensure that the converter bracket is fully seated on to the cab wall support.**

- (3) Remove the protective paper from the converter box.
- (4) Firmly press the converter box to the rear cab wall.

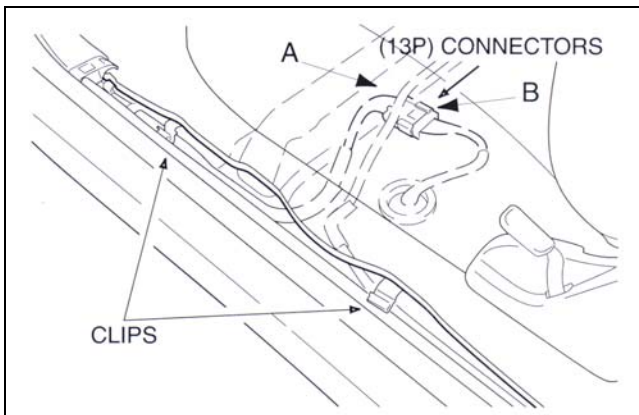




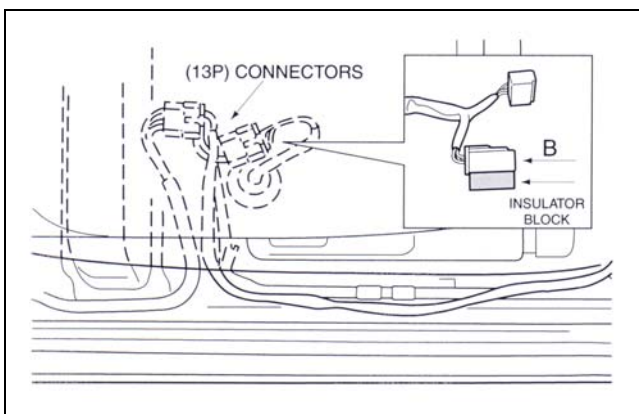
- (5) Tighten the mounting bracket to the rear cab wall as shown.



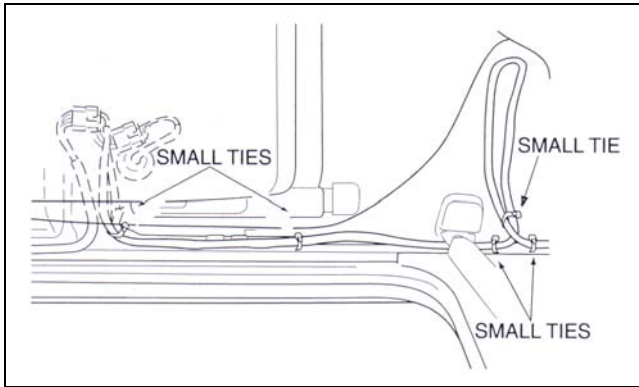
- (k) Install the converter box harness.
  - (1) Connect the 8-Pin and 2-Pin connectors of the converter box harness to the converter box.
  - (2) Route the gray 4-Pin connector through the hole in the rear of the cab wall.
  - (3) Install the grommet into the rear cab wall.
  - (4) Route the 13-Pin connector harness forward between the seat belt anchor and the B-Pillar.



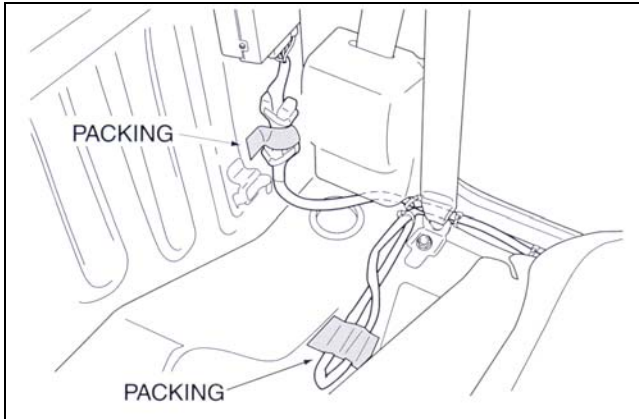
- (5) Release the carpet clips.
- (6) Unplug the 13-Pin connector located underneath the front driver's seat.



- (7) Install the insulator block to the bottom of the 13-Pin male connector of the converter box harness.
- (8) Connect the two 13-Pin converter box harness connectors to the vehicle harness.
- (9) Route the converter box harness along the vehicle's harness.
- (10) Secure the insulator block to the floor of the cab as shown.

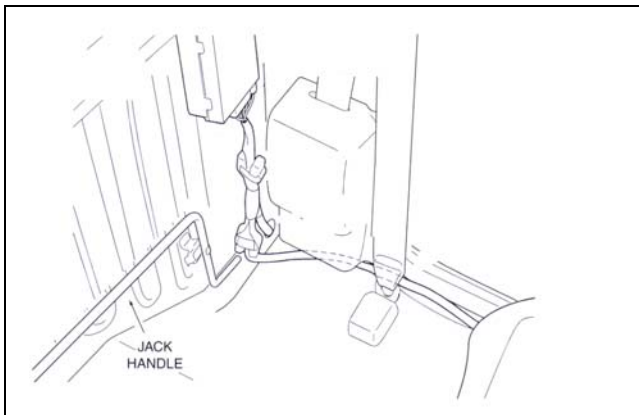


(10) Secure the converter box harness to the vehicle's harness using the 5 tie-wraps as shown.



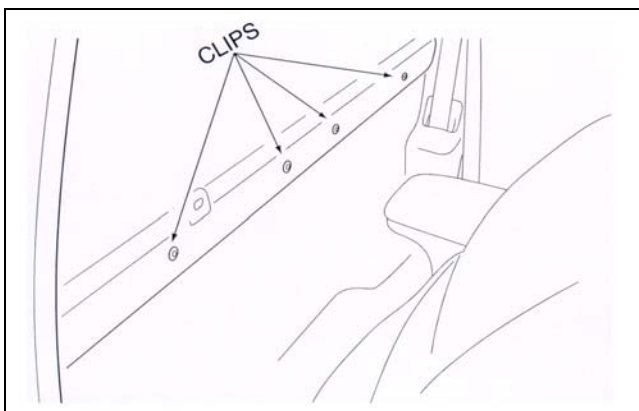
(11) Secure the fuse section of the converter box harness to the rear cab wall as shown using the packing tape.

(12) Loop and secure any excess wire using the packing tape as shown.

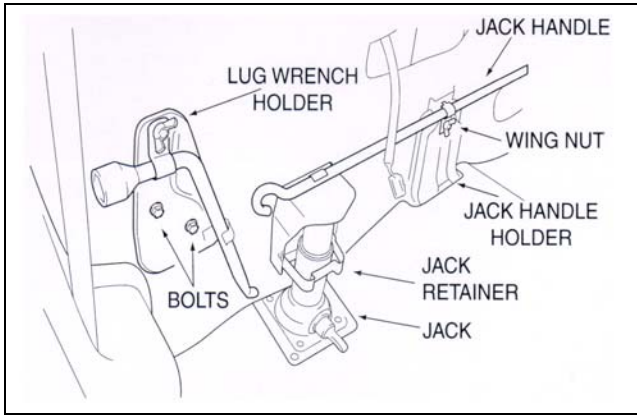


## 6. REASSEMBLE THE INTERIOR

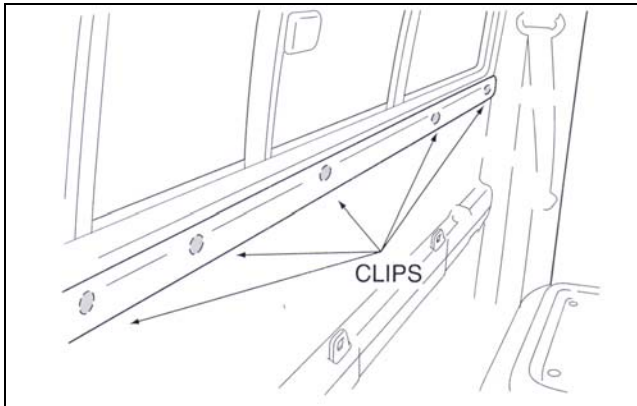
- (a) Reinstall the jack handle (vehicles without rear wall trim panel).
- (b) Reinstall the jack handle and tighten the wing nut.



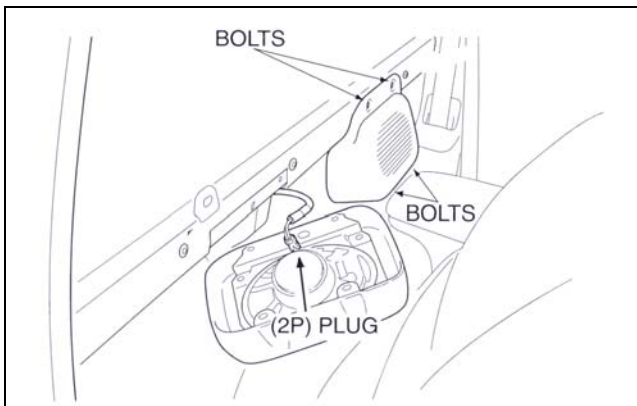
- (g) Reinstall the rear cab wall trim panel (if equipped).
- (1) Reinstall the rear cab wall trim panel and engage the 4 clips.



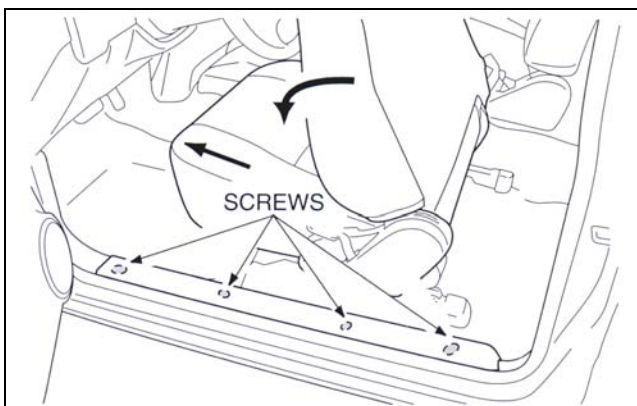
- (d) Reinstall the jack and the jack retainer.
- (e) Reinstall the lug wrench holder using the two bolts.
- (f) Reinstall the jack handle and tighten the wing nut.



- (g) Reinstall the lower rear window trim (if equipped).
- (1) Reinstall the lower rear window trim by engaging the five clips.

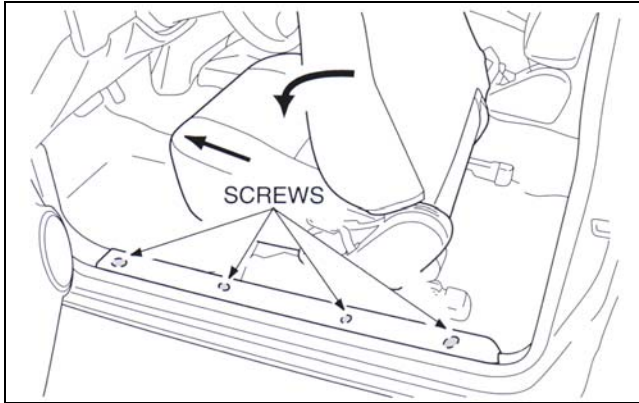


- (g) Reinstall the rear speakers (if equipped)
- (1) Reconnect each speaker.
- (2) Reinstall the four bolts for each speaker.



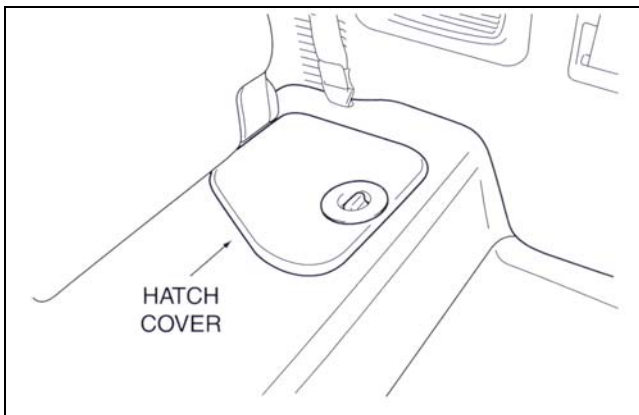
- (h) Reinstall the carpet clips.
- (i) Reinstall the left scuff plate using the four screws.
- (j) Proceed to **Section VIII**.

## VII. CONVERTER BOX INSTALLATION (EXTRA CAB)

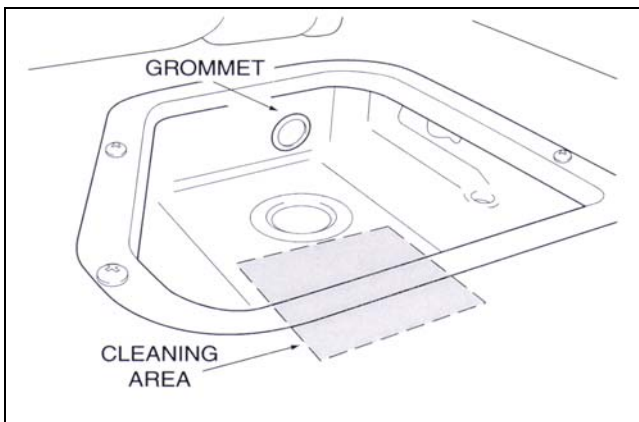


### 1. INSTALLATION OF NEW CONVERTER BOX

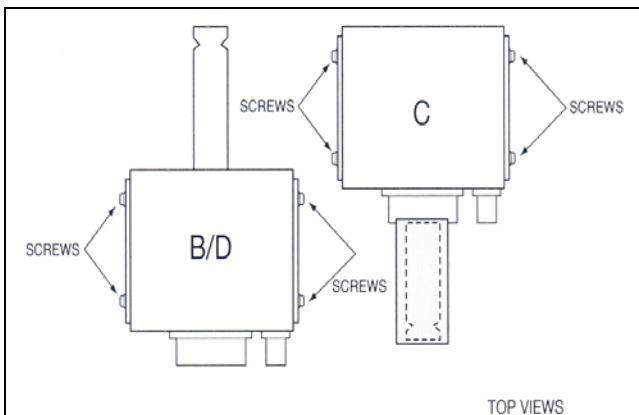
- (a) Remove the left scuff plate by removing the four screws.



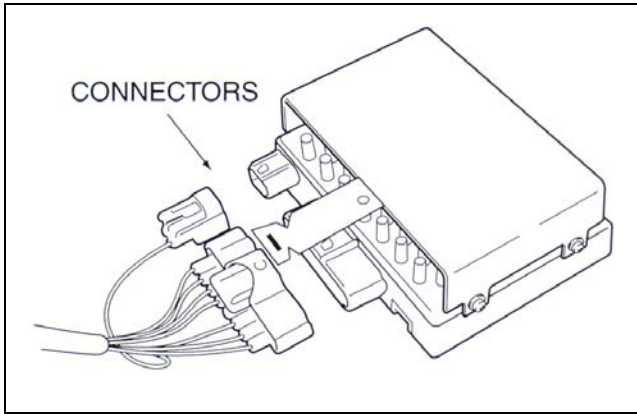
- (b) Remove the jack cover.



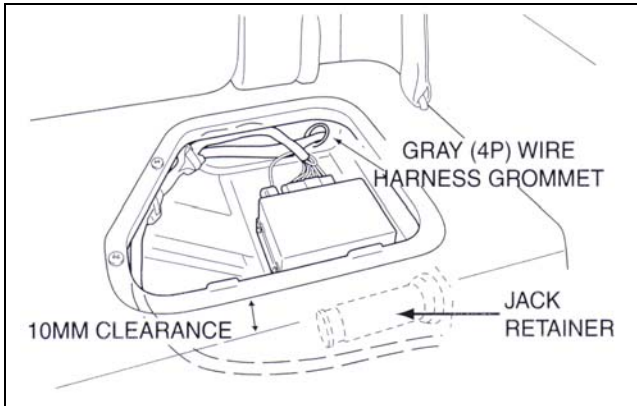
- (c) Remove the grommet on the rear cab wall.  
(d) Loosen the jack and re-secure the jack by hand.  
(e) Clean area shown with a prep-solvent.



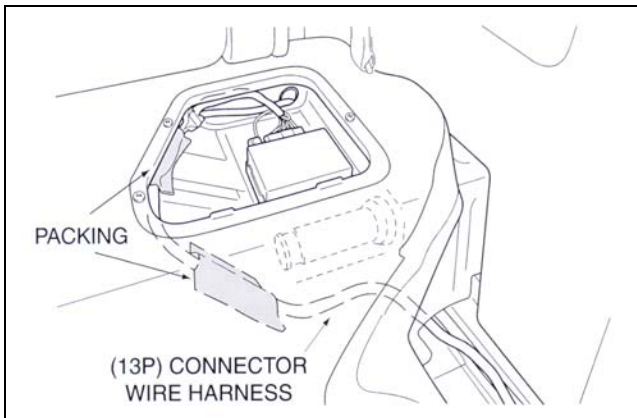
- (f) Install the new converter box.  
(1) Remove the four screws holding the converter box to the bracket.  
(2) Rotate the converter box 180° and reinstall the four screws.  
(3) Install the 80mm x 60mm packing around the mounting bracket as shown.



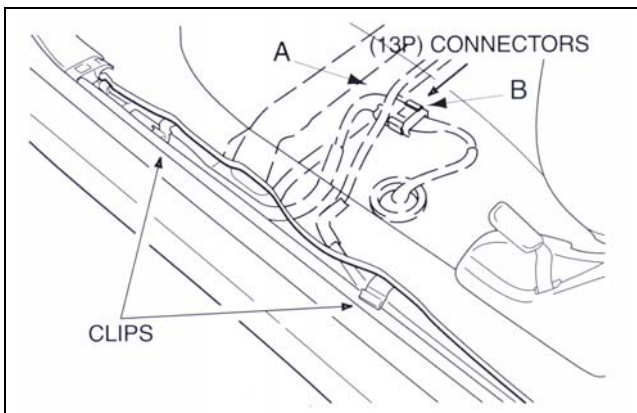
- (4) Connect the 8-Pin and 2-Pin connectors of the converter box harness to the converter box.



- (5) Route the gray 4-Pin connector through the hole in the rear of the cab wall along with the grommet.
- (6) Remove the protective paper from the converter box.
- (7) Allowing 10mm of clearance between the jack retainer and the converter box firmly press the converter box onto the floor of the cab as shown.

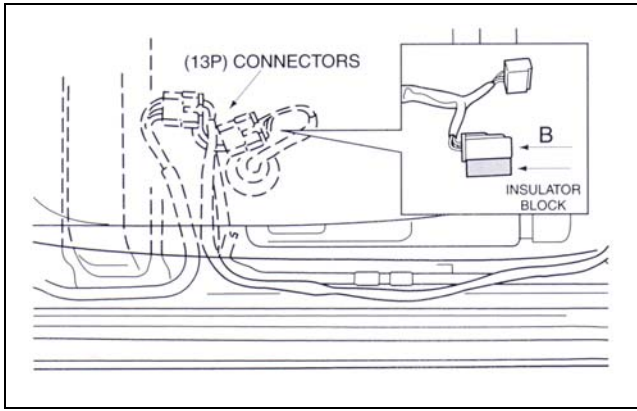


- (8) Route the 13-Pin connector and secure with packing tape as shown.

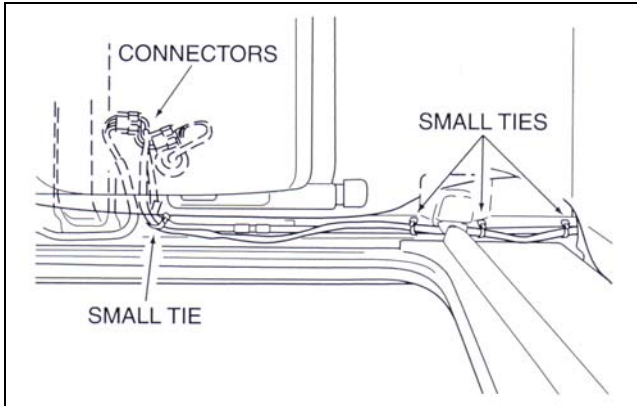


- (9) Detach the carpet clips.
- (10) Unplug the 13-Pin connector located underneath the front seat.

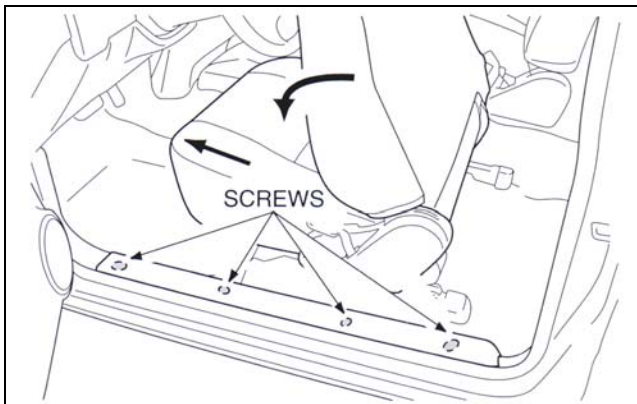




- (11) Install the insulator block to the bottom of the 13-Pin male connector of the converter box harness.
- (12) Connect the two 13-Pin converter box harness connectors to the vehicle harness.
- (13) Route the converter box harness along the vehicle's harness.
- (14) Secure the insulator block to the floor of the cab as shown.



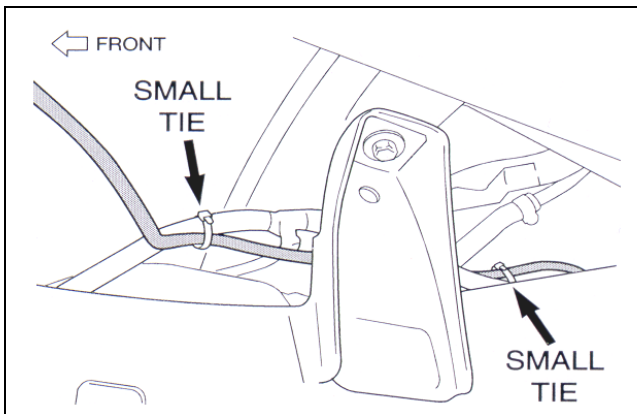
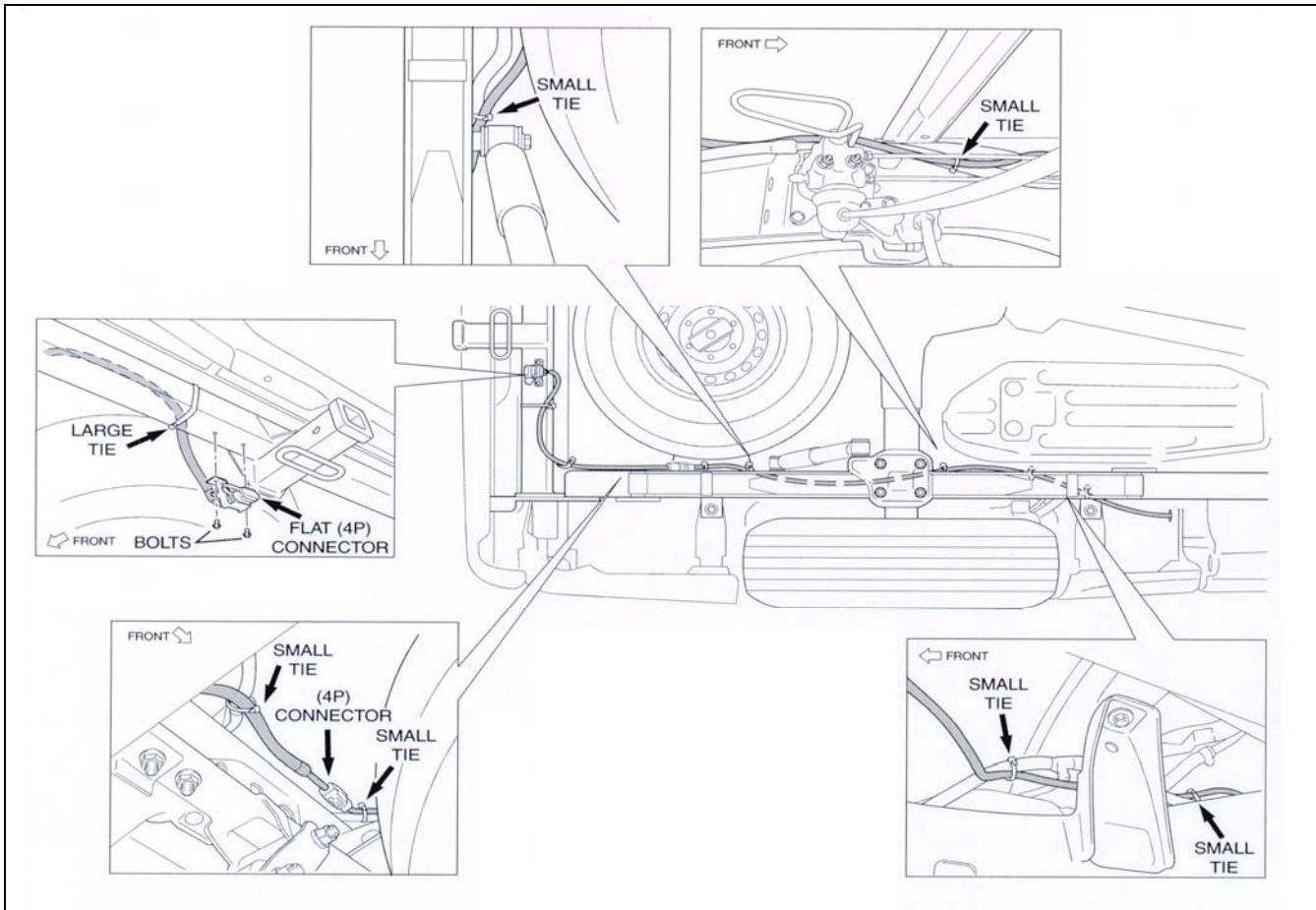
- (15) Secure the converter box harness to the vehicle's harness using the 4 tie-wraps as shown.



## 5. REASSEMBLE OF THE INTERIOR

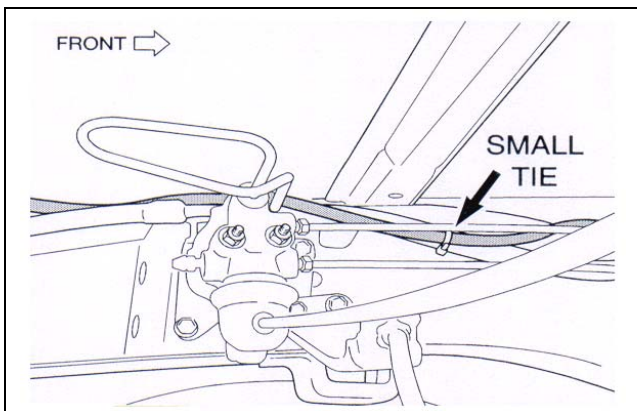
- (a) Reinstall the jack cover.
- (b) Reattach the carpet clips.
- (c) Reinstall the left scuff plate using the four screws.
- (d) Proceed to **Section VIII**.

## VIII. INSTALLATION OF BED HARNESS

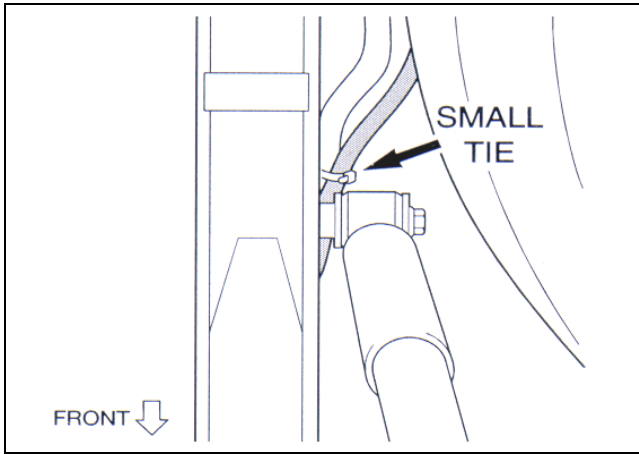


### 1. INSTALL THE BED WIRE HARNESS

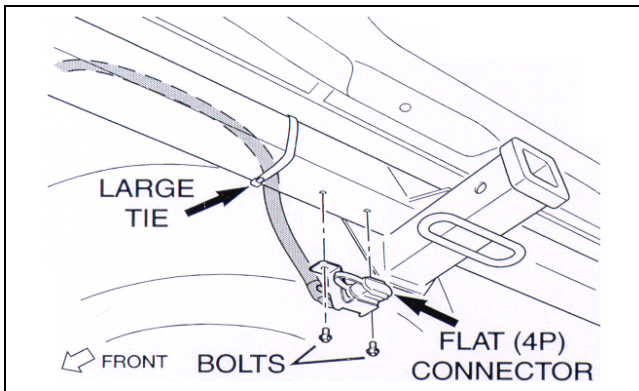
- (a) Working from the cab rearward route the wire harness along the left frame rail.
- (b) Install 2 tie-wraps near the forward left bed mount in the area shown.



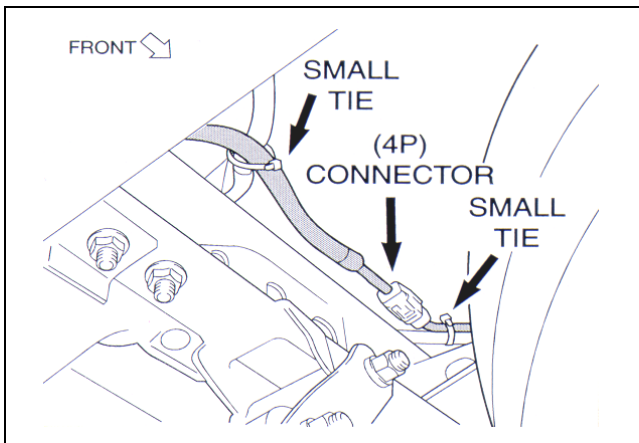
- (c) Install a tie-wrap near the brake load-regulating valve.



- (d) Install a tie-wrap near the left rear shock as shown.



- (e) Mount the flat four connector to the tow hitch.  
 (f) Attach the flat four harness to the hitch with a tie-wrap.



- (g) Route the flat four harnesses to the converter box harness.  
 (h) Connect the flat four harnesses to the converter box harness and secure to vehicle frame near left rear bumper mount.

## 6. INSPECT FUSES

Inspect the following fuses and replace as necessary:

- STOP
- TAIL
- HAZ-TRN

## 7. RECONNECT THE BATTERY

- (e) Reconnect the negative (-) battery terminal.  
 (f) Reset radio station presets.  
 (g) Set clock to current time.  
 (h) Perform the function check as outlined in **Section IX**.



## **IX. TRAILER TOWING WIRE HARNESS CONVERTER FUNCTIONAL CHECK**

Using a voltmeter (or SST 00002-62195 if available), verify the operation of the Vehicle Taillights and Trailer Towing Wire Harness Converter as outlined below:

### **(e) Hazard Lights**

- (5) Turn on the hazard lights.
- (6) Verify that the vehicle hazard lights are operating correctly.
- (7) Using a voltmeter or SST verify converter operation. (check both L+STOP and R+STOP)
- (8) Turn off the hazard lights.

### **(f) Taillights**

- (5) Turn the headlight switch to the ON position.
- (6) Verify that the vehicle taillights are illuminated.
- (7) Using a voltmeter or SST verify converter operation. (TAIL)
- (8) Turn off the headlights.

### **(g) Stop Lights**

- (5) Have an assistant depress the brake pedal.
- (6) Verify that the vehicle stoplights are functioning properly.
- (7) Using a voltmeter or SST verify converter operation. (check both L+STOP and R+STOP)
- (8) Release the brake pedal.

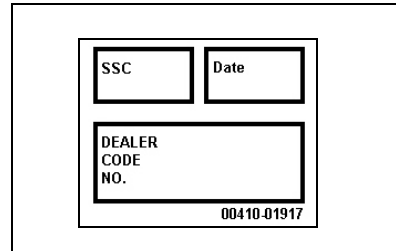
### **(h) Reinstall "flat four"-connector dust cover.**

## X. SSC COMPLETION LABEL INSTALLATION

A. After completing the repair and before returning the vehicle to the owner, an SSC completion label, that is enclosed in the owner's notification, must be affixed to the left front door hinge post near the check strap.

B. The label is to be filled out as follows:

- Write in SSC 10H.
- Write in date of repair.
- Write in your dealer code.



The diagram shows a rectangular label form with a double border. It is divided into three main sections: two small boxes at the top, one for 'SSC' and one for 'Date', and a larger box below for 'DEALER CODE NO.'. The part number '00410-01917' is printed in the bottom right corner of the label.

C. Additional SSC completion labels, in sheets of 50 (P/N 00410-01917), may be ordered through the non-parts system on a 1450 order form or through the TDN system.