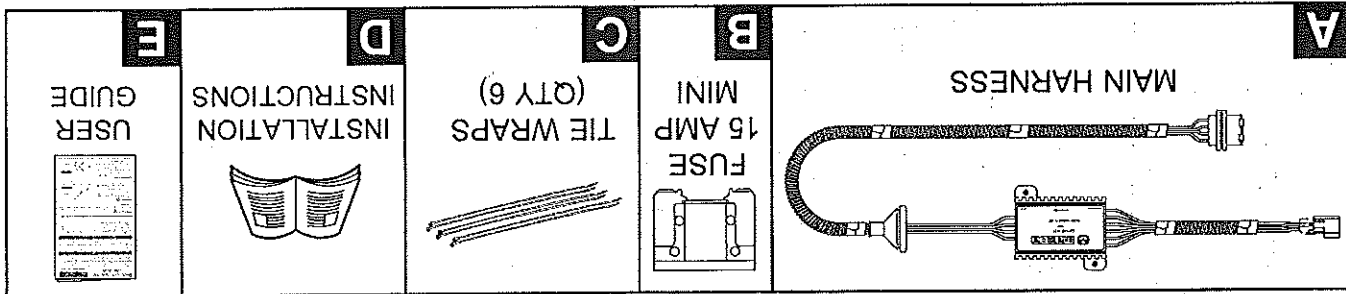


INSTALLATION INSTRUCTIONS

PART NUMBER: 0000-8E-N13
TRAILER HITCH MAIN HARNESS KIT
APPLICABLE MODELS: 2009 > CX-9

PACKAGE CONTENTS

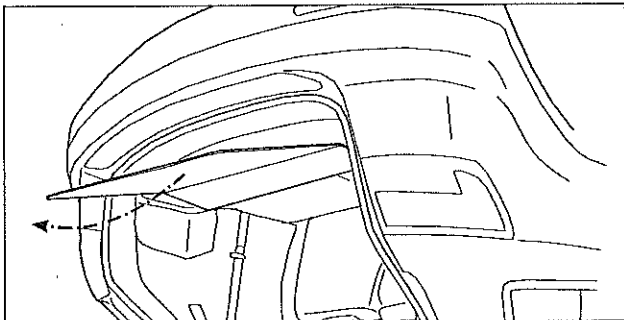
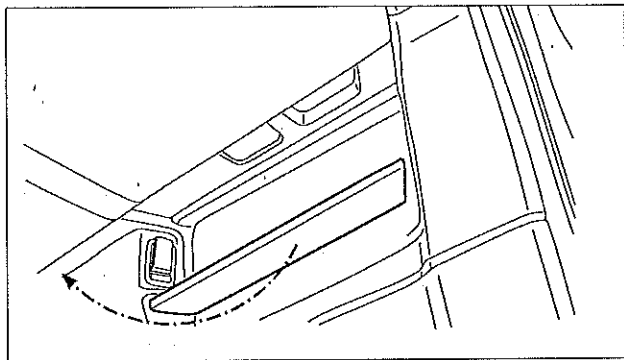
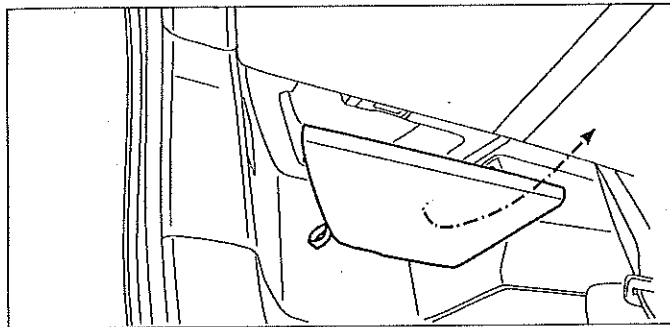


TOOLS REQUIRED

- 10MM SOCKET WRENCH
- ELECTRICAL TAPE
- PHILLIPS SCREWDRIVER
- PLASTIC PANEL REMOVAL TOOL
- PLIERS
- FISHWIRE
- WIRE CUTTERS
- CHINA MARKER
- FLAT HEAD SCREWDRIVER

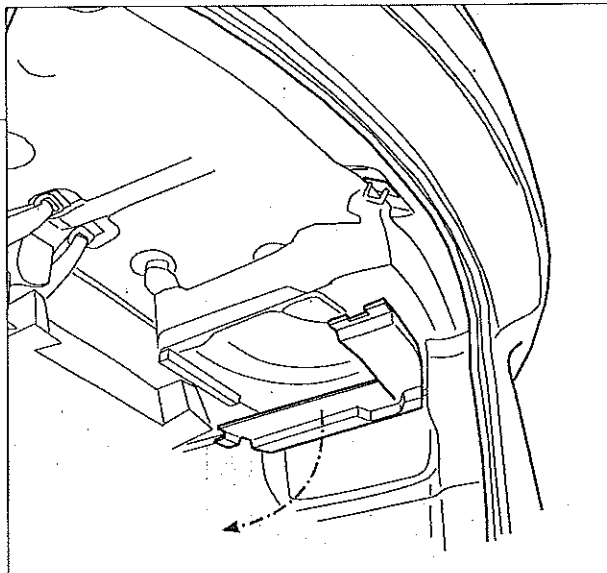
1 ACCESS STORAGE COMPARTMENTS

1. OPEN THE REAR HATCH OF THE VEHICLE AND REMOVE THE CARGO FLOOR COMPARTMENT COVER ON THE DRIVER SIDE.
2. REMOVE THE CARGO FLOOR COMPARTMENT COVER ON THE PASSENGER SIDE.
3. LIFT AND REMOVE THE DECK PANEL EXPOSING THE SUBWOOFER (IF EQUIPPED) AND CENTER CARGO COMPARTMENT BOX.

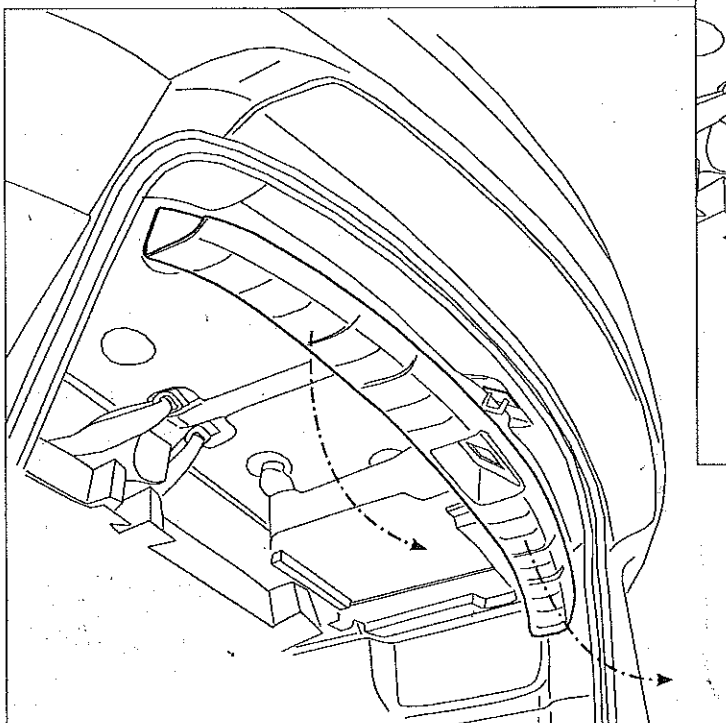


0 BEFORE INSTALLATION

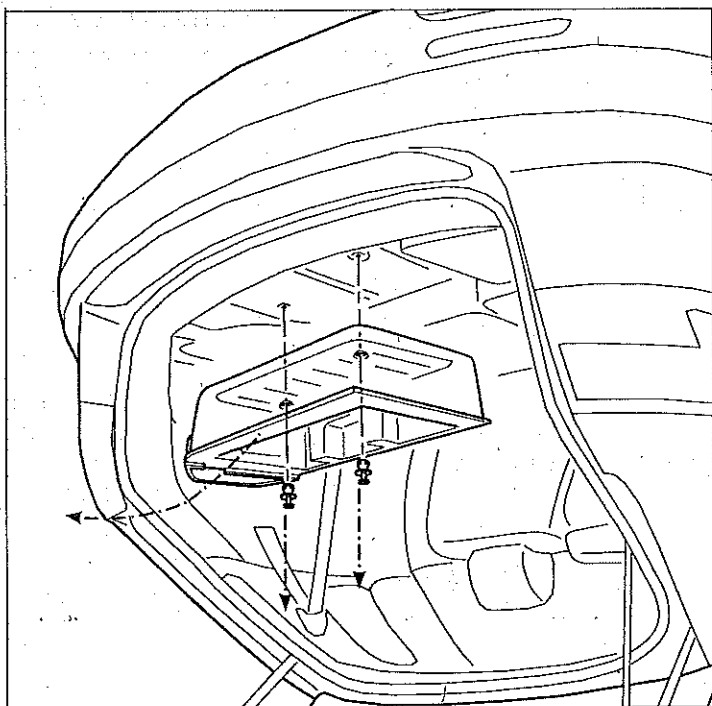
- A) READ ENTIRE INSTALLATION INSTRUCTIONS BEFORE PROCEEDING.
- B) BE CAREFUL NOT TO DAMAGE PAINT OR KIT COMPONENTS.
- C) DO NOT OVER TIGHTEN BOLTS, TIGHTEN TO SPECIFIED TORQUE.
- D) RECORD CUSTOMERS PRESET RADIO STATIONS (IF APPLICABLE).
- E) USING A 10MM SOCKET, REMOVE NEGATIVE (-) BATTERY TERMINAL.

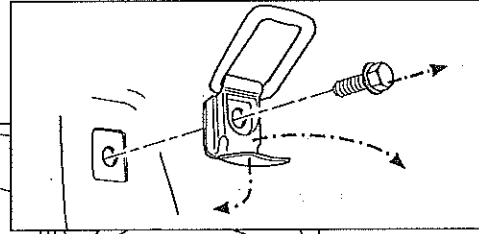


- 3 REMOVE THE REAR THRESHOLD PLATE AND REAR DRIVER SIDE FLOOR**
1. FIRMLY PULL UP ON THE THRESHOLD PLATE AND TEMPORARILY REMOVE FROM VEHICLE
 2. FIRMLY PULL UP ON THE REAR DRIVER SIDE FLOOR COVERING THE SUBWOOFER (IF BOSE SYSTEM IS PRESENT)



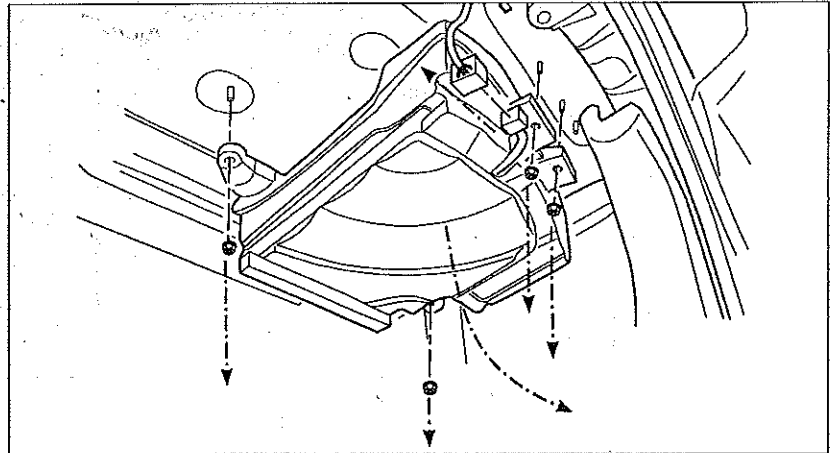
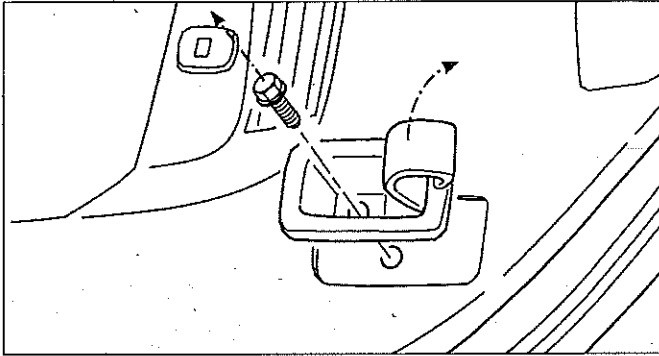
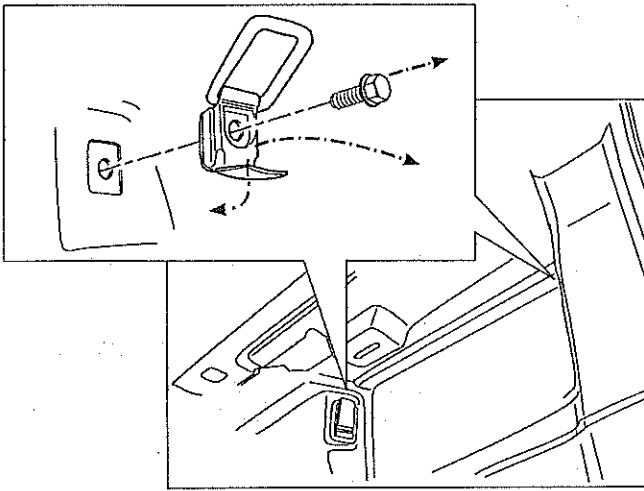
- 2 REMOVE STORAGE COMPARTMENT**
1. USING A SMALL FLAT HEAD SCREWDRIVER, REMOVE THE TWO PLASTIC PUSH NUTS LOCATED ON THE FLOOR OF THE CENTER STORAGE COMPARTMENT
 2. LIFT OUT THE CENTER STORAGE COMPARTMENT AND SET ASIDE.





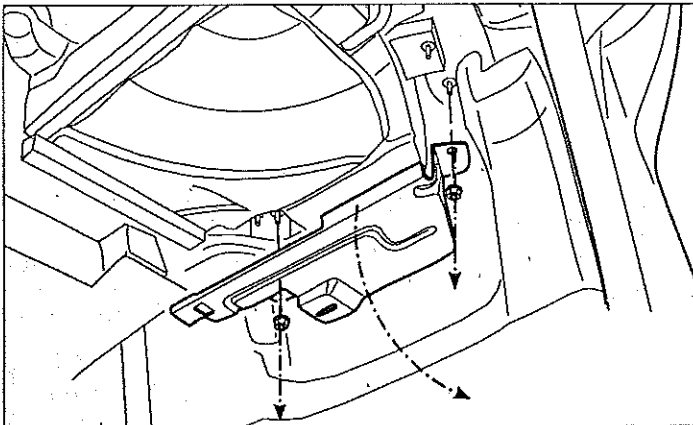
1. REMOVE THE DRIVER SIDE UPPER CARGO TIE DOWN. A. PULL BACK HOOK TO ACCESS BOLT. B. REMOVE THE BOLT SECURING THE UPPER CARGO TIE DOWN USING A 10MM SOCKET. (TORQUE BOLTS TO 5 FT.-LBS. / 6.8 Nm FOR RE-ASSEMBLY)
2. REPEAT THIS PROCEDURE ON THE PASSENGER SIDE.
3. REMOVE THE 2 DRIVER SIDE LOWER CARGO TIE DOWNS. A. USING A SMALL FLAT TIP SCREW DRIVER, CAREFULLY PRY UP THE TRIM COVER ON EACH TIE DOWN. B. REMOVE THE BOLT SECURING THE TIE DOWN USING A 10MM SOCKET. (TORQUE BOLTS TO 5 FT.-LBS. / 6.8 Nm FOR RE-ASSEMBLY)
4. REPEAT THIS PROCEDURE ON THE PASSENGER SIDE.

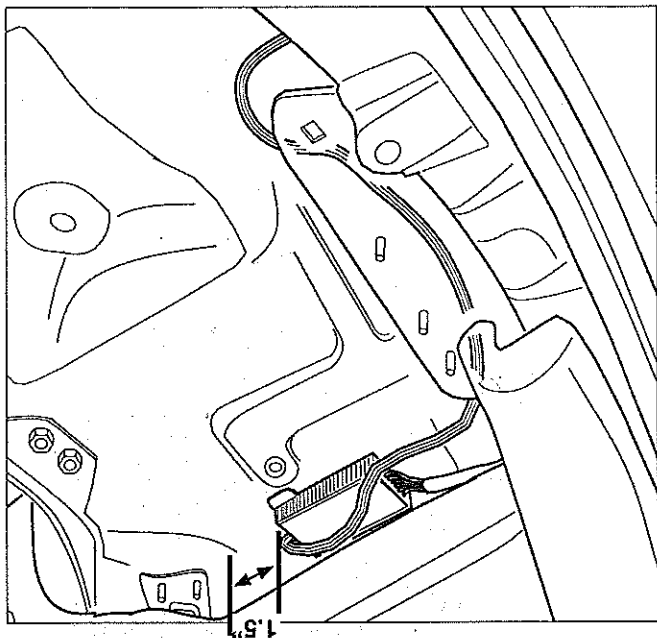
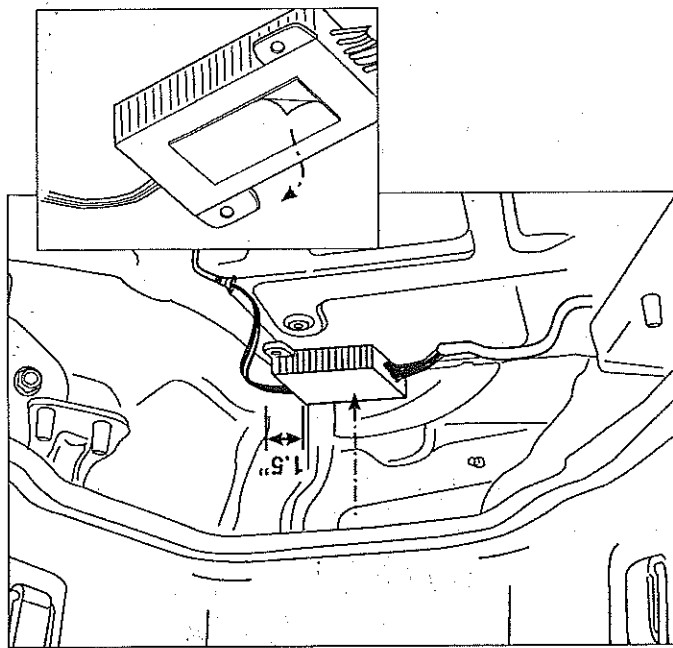
5 REMOVE THE CARGO TIE DOWNS



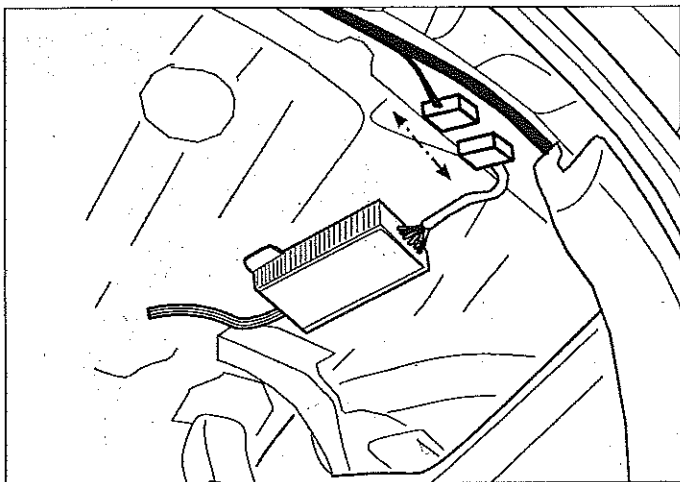
1. REMOVE THE 2 NUTS SECURING THE REAR DRIVE SIDE FLOOR BRACKET USING A 10MM SOCKET.
2. LIFT OUT THE REAR DRIVER SIDE FLOOR BRACKET AND SUBWOOFER (IF EQUIPPED) AND SET ASIDE.
3. SEPARATE THE SUBWOOFER CONNECTOR BY PRESSING ON THE LOCKING TAB AND PULLING APART.
4. REMOVE THE 4 NUTS SECURING THE SUBWOOFER (IF EQUIPPED) USING A 10MM SOCKET.
5. LIFT OUT THE SUBWOOFER (IF EQUIPPED) AND SET ASIDE.

4 REMOVE THE REAR DRIVE SIDE FLOOR BRACKET AND SUBWOOFER

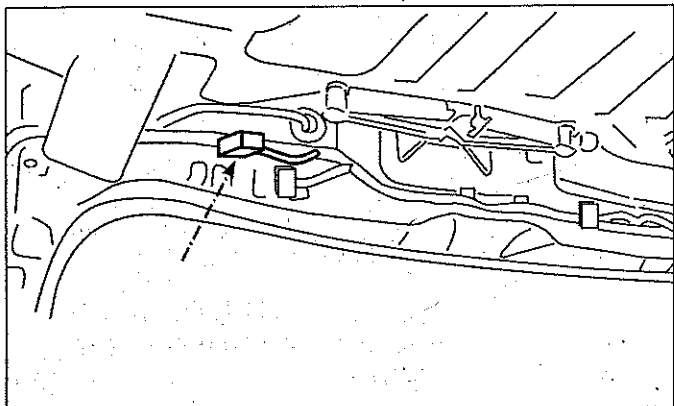




- 7 CONNECT HARNESS TO MODULE AND INSTALL MODULE**
1. PULL JUMPER CONNECTOR FROM UNDER DRIVER SIDE TRIM AND CONNECT TO MODULE HARNESS.
 2. SECURE THE TRAILER HITCH WIRING HARNESS MODULE TO THE FLOOR OF THE VEHICLE BEHIND THE DRIVER SIDE TRIM PANEL BY REMOVING THE BACKING ON THE FOAM TAPE AND PRESSING FIRMLY DOWN ON TO FLOOR IN THE ILLUSTRATED POSITION.
- NOTE: PRIOR TO PERMANENTLY MOUNTING, ENSURE THAT THERE IS ADEQUATE CLEARANCE BETWEEN THE MODULE AND THE INTERIOR TRIM PANEL.
3. ROUTE THE HITCH CONNECTOR WIRE OVER THE MODULE UNDER THE DRIVER SIDE TRIM AND AROUND TO THE ADVANCED KEYLESS ENTRY HARNESS GROMMET.



- 6 LOCATE VEHICLE TOW HARNESS CONNECTOR**
1. LOCATE THE VEHICLE TOW HARNESS CONNECTOR. THE CONNECTOR WILL BE POSITIONED ALONG THE LEFT (DRIVER'S) SIDE REAR SILL, NEXT TO THE JACK ASSEMBLY.



8 FOR VEHICLES NOT EQUIPPED WITH ADVANCED KEYLESS ENTRY

1. PROCEED TO STEP 15 AND THEN DIRECTLY TO STEP 17, ITEMS 4 & 5 TO CONTINUE WITH INSTALLATION.

9 TEMPORALLY DISCONNECT ADVANCED KEYLESS ENTRY SYSTEM ANTENNA

1. LOCATE THE SENSOR WIRE CONNECTOR BY FOLLOWING THE WIRE PROTRUDING FROM THE GROMMET UNDER THE VEHICLE BY THE ADVANCED KEYLESS ENTRY ANTENNA.
2. SEPARATE THE SENSOR WIRE CONNECTOR BY PRESSING ON THE LOCKING TAB AND PULLING APART.
3. REMOVE THE SENSOR WIRE CLIP FROM THE BODY USING A PLASTIC PANEL REMOVAL TOOL.

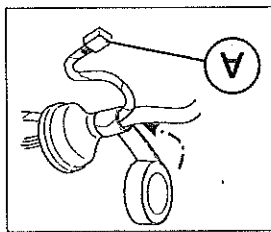
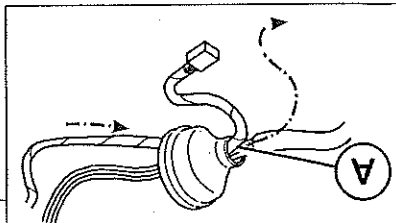
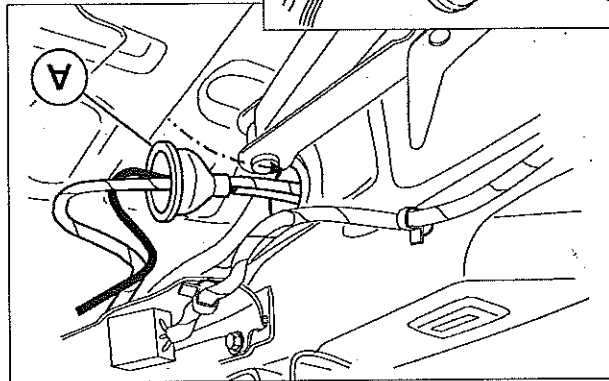
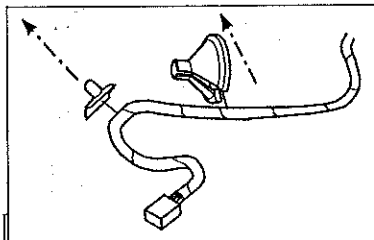
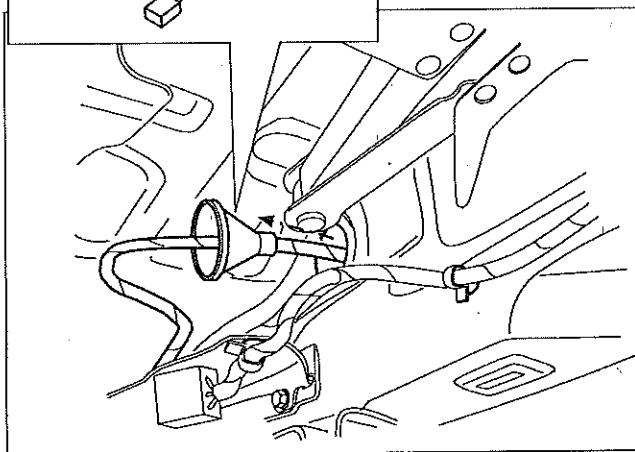
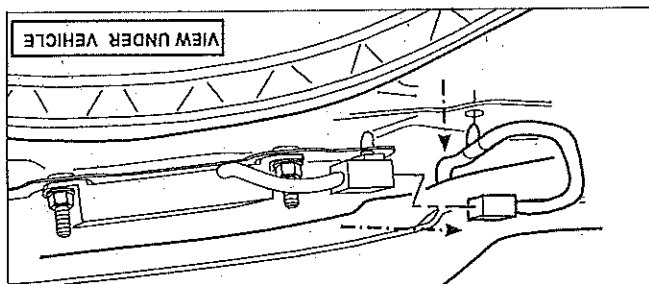
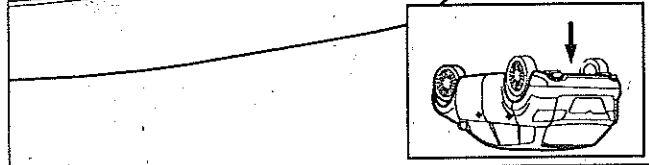
10 REMOVE GROMMET

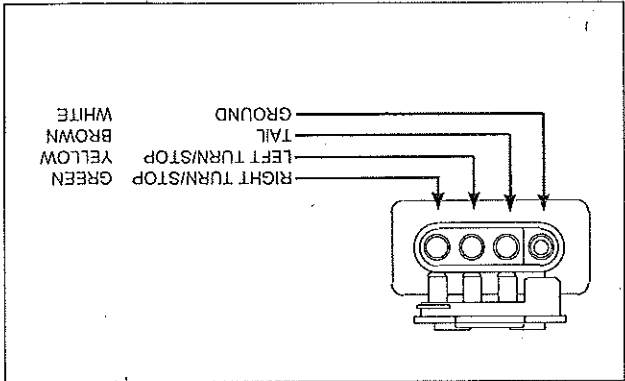
1. PULL OUT AND REMOVE THE GROMMET LOCATED BY THE VEHICLE JACK.
 2. USING A CHINA MARKER, MARK THE LOCATION OF THE GROMMET ON THE SENSOR WIRE FOR LATER RE-INSTALLATION.
 3. REMOVE THE GROMMET BY CUTTING THE GROMMET AWAY FROM THE SENSOR WIRE.
- CAUTION: TAKE CARE NOT TO CUT OR DAMAGE THE SENSOR WIRE WHEN CUTTING THE GROMMET.**

4. DISCARD THE ORIGINAL GROMMET.
5. USING A CHINA MARKER, MARK THE LOCATION OF THE MOUNTING CLIP ON THE SENSOR WIRE FOR LATER INSTALLATION.
6. CAREFULLY REMOVE THE TAPE SECURING THE MOUNTING CLIP TO THE SENSOR WIRE. SAVE THE MOUNTING CLIP FOR LATER USE.

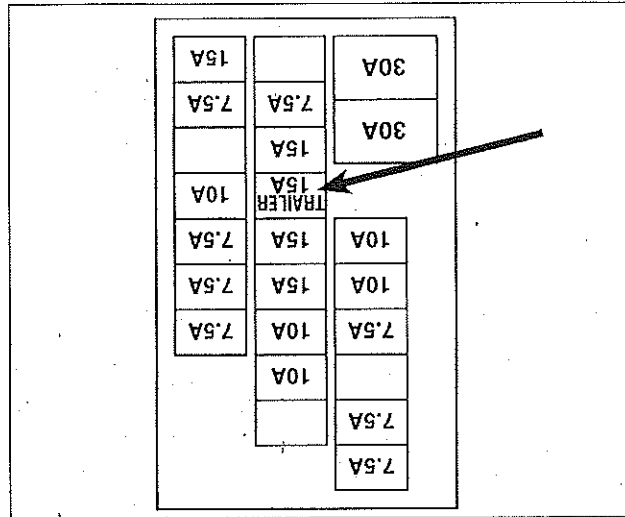
11 ATTACH SENSOR WIRE TO NEW GROMMET

1. USING SOAPY WATER, CAREFULLY FEED THE SENSOR WIRE CONNECTOR THROUGH THE NEW GROMMET LOCATED ON THE TRAILER WIRING HARNESS. BE SURE TO FEED FROM THE NARROW END OF THE GROMMET AS ILLUSTRATED.
2. PULL THE SENSOR WIRE THROUGH THE GROMMET POSITIONING THE GROMMET IN THE ORIGINAL LOCATION.
3. REATTACH THE WIRE MOUNTING CLIPS TO THEIR ORIGINAL POSITION ON THE SENSOR WIRE (AS MARKED DURING STEP) WITH ELECTRICAL TAPE.
4. SECURE THE NEW GROMMET TO WIRING HARNESS WITH ELECTRICAL TAPE.
5. ROUTE THE SENSOR WIRE AND WIRING HARNESS BACK THROUGH THE HOLE BY THE VEHICLE JACK.
6. PUSH THE NEW GROMMET INTO THE HOLE UNTIL IT SEATS COMPLETELY.

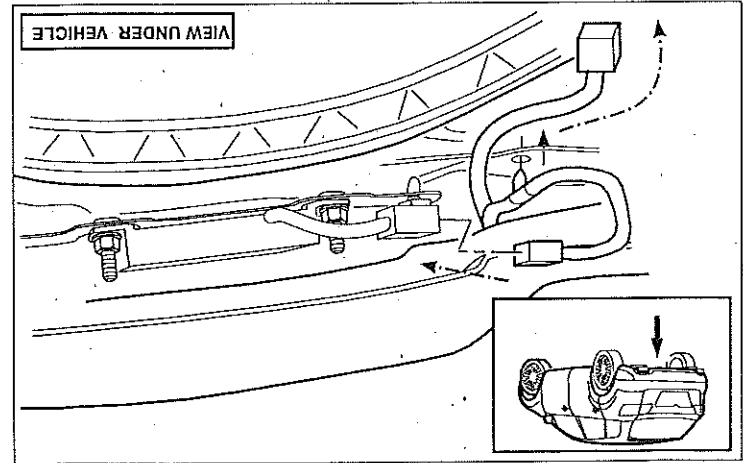
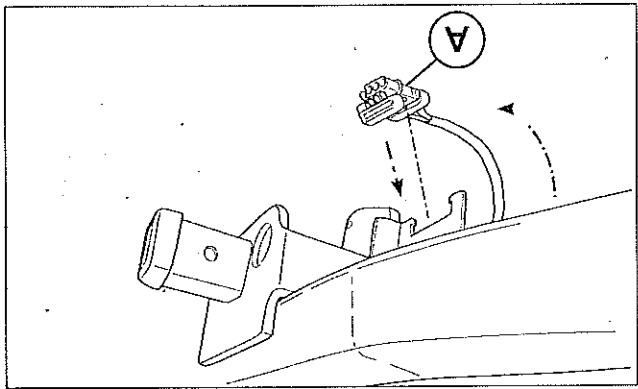




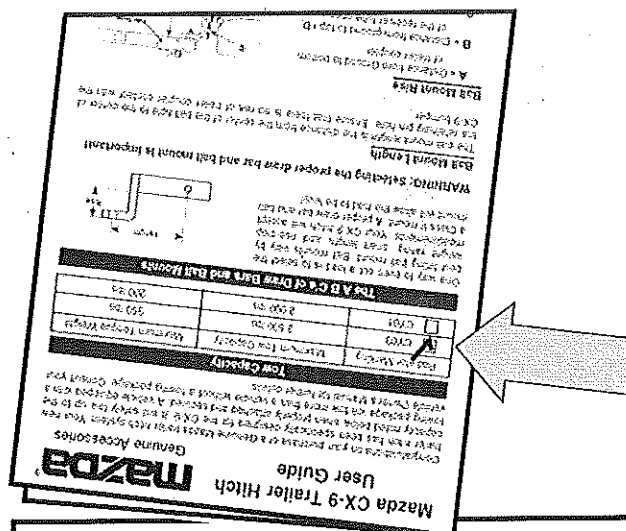
- 14 CONFIRM CORRECT OPERATION**
1. ENSURE ALL CONNECTIONS ARE COMPLETE.
 2. USE A 12V TEST LIGHT TO CHECK EACH SIGNAL FUNCTION.
 - A. ATTACH THE GROUND LEAD TO THE MALE TRAILER CONNECTOR PIN.
 - B. VERIFY TAIL LIGHT CIRCUIT, RIGHT TURN/BRAKE AND LEFT TURN/BRAKE BY ACTIVATING EACH FUNCTION ON THE VEHICLE INDIVIDUALLY USING THE APPROPRIATE TERMINAL ON THE TRAILER CONNECTOR.



- 13 INSTALL FUSE**
1. OPEN THE VEHICLE GLOVE BOX TO LOCATE THE FUSE PANEL AND REMOVE THE FUSE PANEL COVER.
 2. INSTALL THE SUPPLIED 15 AMP FUSE INTO THE SPECIFIED TRAILER POSITION; CENTER ROW, FOURTH FROM THE BOTTOM.
- CAUTION: DO NOT USE A GREATER RATED FUSE THAN THAT SUPPLIED WITH THE TOW HARNESS MODULE.



- 12 ROUTE TRAILER CONNECTOR BELOW VEHICLE**
1. ROUTE THE ADVANCED KEYLESS ENTRY SYSTEM WIRE DOWN TO THE SMART KEY ANTENNA.
 2. RECONNECT THE CONNECTOR TO THE ADVANCED KEYLESS ENTRY SYSTEM ANTENNA.
- NOTE: ENSURE THE CONNECTOR IS FIRMLY SEATED IN WITH THE LOCKING TAB ENGAGED.
3. REATTACH THE ADVANCED KEYLESS ENTRY SYSTEM WIRE TO THE BODY WITH THE WIRE MOUNTING CLIP.
 4. ROUTE TRAILER TOW HITCH WIRE DOWN PAST THE SPARE TIRE TO THE HITCH WIRE BRACKET.
 5. POSITION THE 4-FLAT CONNECTOR INTO THE SOCKET.
 6. BRACKET ON THE TRAILER HITCH.
 6. THE STRAP ANY EXCESSIVE SLACK TO CONVENIENT LOCATION. (4 TIE STRAPS ARE PROVIDED)



PRIOR TO HANDLING CUSTOMER USER GUIDE WASH HANDS THOROUGHLY.

1. LOCATE USER GUIDE IN MAIN HARNESS KIT.
2. IN ENGINE COMPARTMENT ON THE DRIVER'S SIDE, LOCATE RADIATOR MARKING AS SHOWN.
3. USING A PERMANENT MARKER OR PEN, PLACE A CHECKMARK IN THE APPROPRIATE BOX.
4. PLACE USER GUIDE IN GLOVE BOX.

IF BATTERY IS DISCONNECTED, THE POWER WINDOWS WILL NO LONGER FULLY OPEN OR FULLY CLOSE AUTOMATICALLY.

CARRY OUT THE FOLLOWING OPERATION FROM THE DRIVER SEAT FIRST AND THEN THE PASSENGER SEAT TO RESTORE NORMAL OPERATION:

1. TURN THE IGNITION TO THE "ON" POSITION.
2. PRESS THE POWER WINDOW TO FULLY OPEN THE POWER WINDOWS.
3. LIFT UP THE POWER WINDOW SWITCH TO FULLY CLOSE THE POWER WINDOWS, KEEPING IT PULLED UP FOR APPROXIMATELY 2 SECONDS.
4. CYCLE THE ENGINE SWITCH TO "OFF", AND THEN "ON" AGAIN. SHOULD THESE PROCEDURES FAIL TO CORRECT THE POWER WINDOW FUNCTION, CONTACT YOUR MAZDA DEALER.

1. BUNDLE THE REMAINING WIRE FROM THE JUMPER HARNESS BEHIND THE TRIM PANEL USING A TIE WRAP.
2. REINSTALL ALL TRIM IN THE REVERSE ORDER OF THE REMOVAL, ENSURING ALL FASTENER ARE PROPERLY INSTALLED.

CAUTION: MAKE SURE RUBBER DOOR SEAL IS PLACED OVER THE TOP OF THE SIDE TRIM PANELS & THRESHOLD TRIM.

3. CLEAN VEHICLE.
4. VACUUM AND CLEAN ANY DEBRIS CAUSED BY INSTALLATION.
5. PLACE THE USER GUIDE (PROVIDED IN THE TRAILER HITCH WIRING HARNESS KIT) INTO THE VEHICLE GLOVE BOX.

