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INSTALLATION INSTRUCTIONS

1997

LAND CRUISER

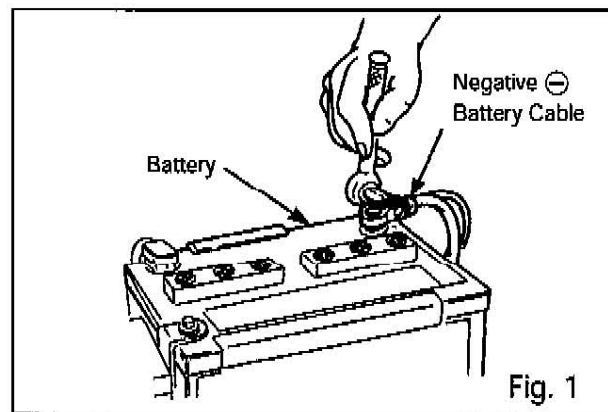
RS3000 SECURITY SYSTEM

PART NUMBER	RS3000 BASE KIT (NFW)	08585-00070	
	LAND CRUISER RS3000 FITTING KIT	08586-60990	
	Description	Service P/N	Q'ty
RS3000 BASE KIT (NFW) CONTENTS	RS3000 ECU	08190-00921	1
	Remote Control Transmitter	08191-00070	2
	Glass Breakage Sensor ECU	08192-00970	1
	Owner's Guide		1
	Insurance Information Form		1
	Warning Labels		2
LAND CRUISER RS3000 FITTING KIT CONTENTS	RS3000 Wire Harness For Land Cruiser		1
	RS3000 Status Monitor For Land Cruiser	08192 60860	1
	Piezo "Chirper" (Includes Wiring)	08192-12920	1
	Starter Cut Relay		1
	Foam Tape (2 Pieces)		1
	Splicing Connector (Red)		4
	Wire Tie (XL Reusable) (For ECU)		1
	Wire Tie (Large)		3
	Wire Tie (Medium)		19

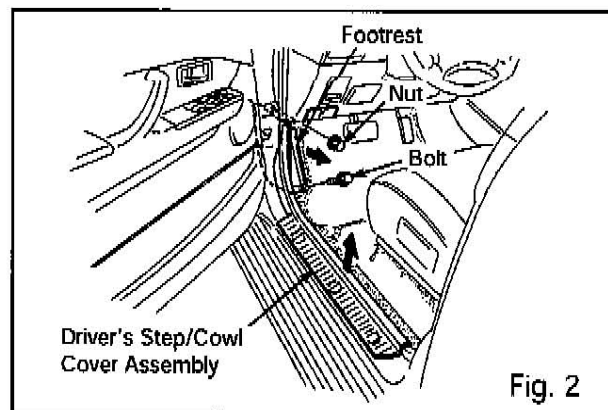
REQUIRED TOOLS AND MATERIALS	Description
	Pneumatic/Electric Wrench
	10 mm Socket
	Pliers
	Nylon Removal Tool
	#2 Phillips Bit/Screwdriver
	Small Flat Blade Screwdriver
	Tape Measure
	Utility Knife
	Electrical Tape
	Marking Pen
	Side Cutters
	Striker (PIO)/Key
	Clean, Lint Free Cloth
	50/50 Mix Of Water/Isopropyl Alcohol

VEHICLE DISASSEMBLY

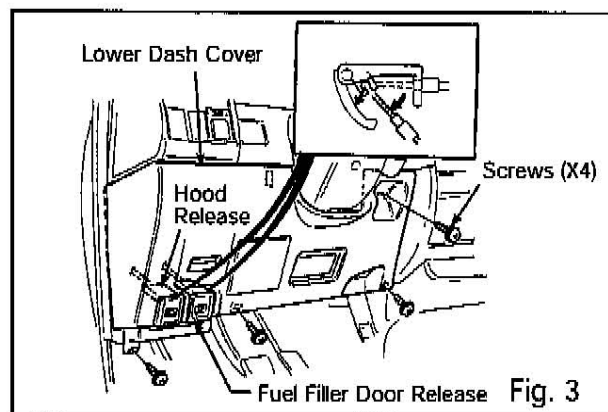
- (1) Remove the negative battery cable.
Fig 1



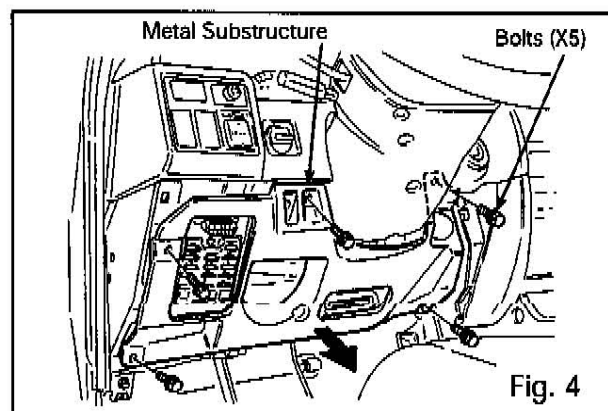
- (2) Remove the driver's foot rest and the driver's step/cowl cover assembly.
(1 nut, 1 bolt) Fig 2



- (3) A) Disconnect the release cables for the hood and fuel filler door. Fig 3
B) Remove the lower dash cover.
(4 screws) Fig 3



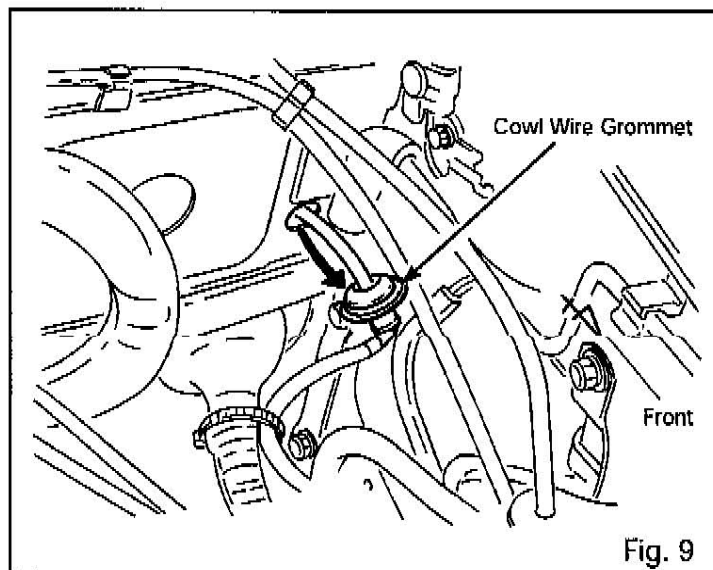
- (4) Remove the metal substructure.
(5 bolts) Fig 4



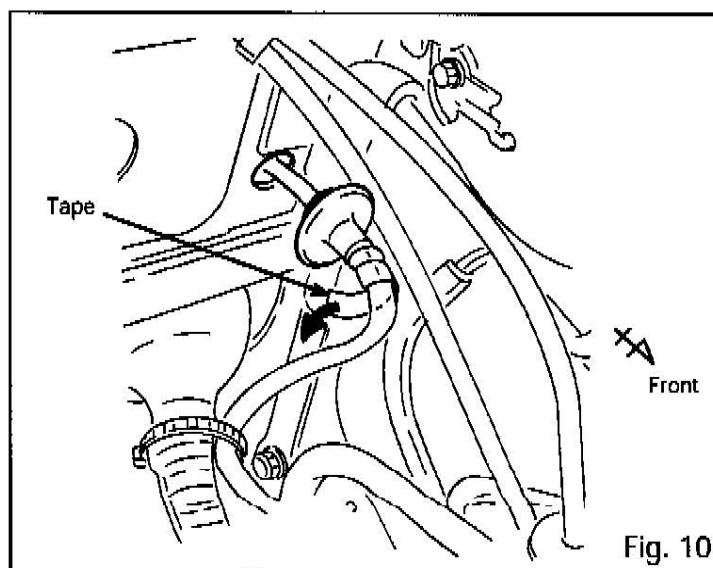
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PIEZO "CHIRPER" INSTALLATION

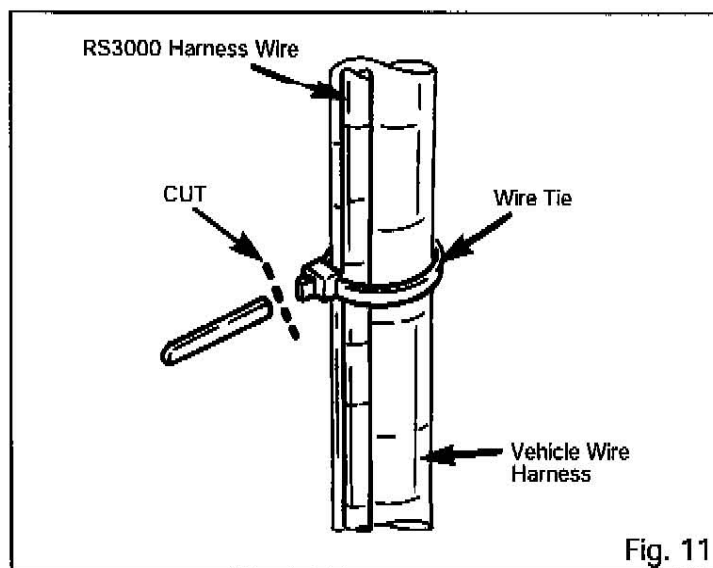
- (1) On the driver's side of the engine compartment, locate and pull out the cowl wire grommet. Fig 9



- (2) Unwrap and remove the tape securing the grommet to the vehicle's wire harness. Fig 10

**NOTE**

AFTER SECURING WIRING OR ANY PARTS WITH WIRE TIES, CUT OFF THE EXCESS PORTION. FIG 11



- (3) A) Using a strip of foam tape and a large wire tie, secure the Piezo "Chirper" to the vehicle's wire harness near the grommet opening as shown. Fig 12
- B) Insert the Piezo "Chirper" wires through the grommet on top of the vehicle's wire harness, then reinstall the grommet. Fig 12
- C) Feed the entire length of the Piezo "Chirper" wires through the grommet into the passenger compartment. Fig 12

TIP

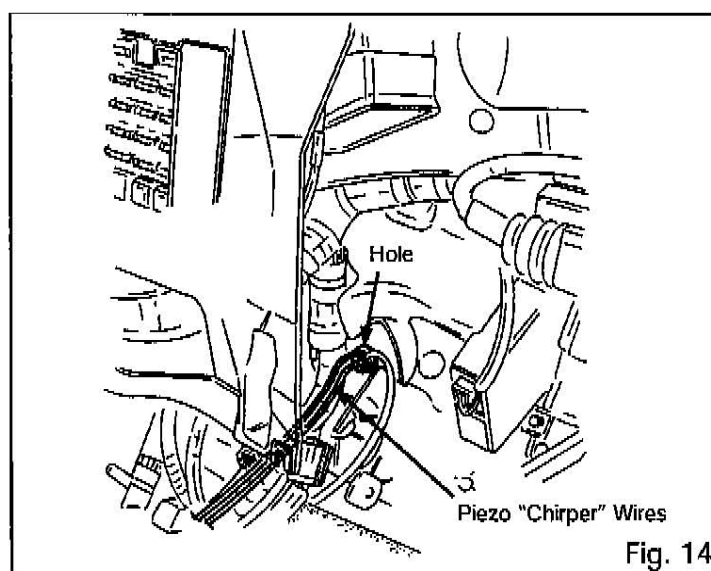
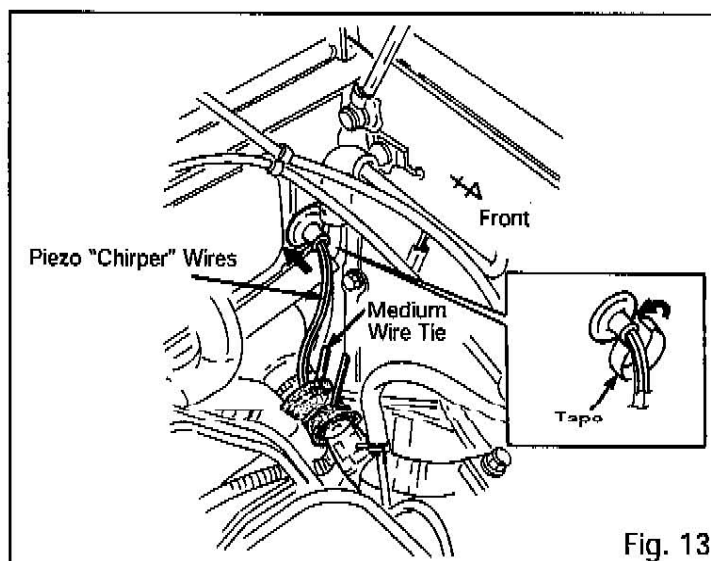
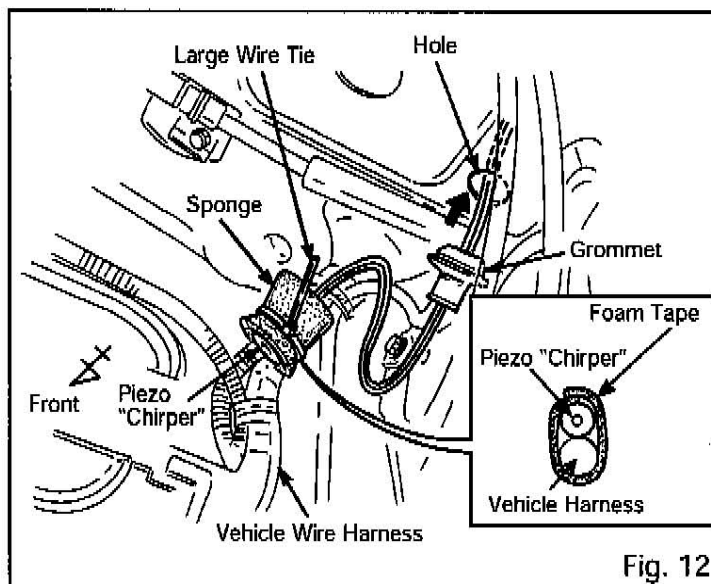
SPRAY THE PIEZO "CHIRPER" WIRES WITH 50/50 WATER/ALCOHOL MIX, THEN ENLARGE THE GROMMET OPENING WITH A SMALL, STRAIGHT BLADE SCREWDRIVER TO ENABLE EASIER FEEDING OF THE WIRES THROUGH THE OPENING.

- (4) A) Secure the Piezo "Chirper" wires to the vehicle's wire harness with one medium wire tie. Fig 13
- B) Wrap electrical tape around the grommet, the Piezo "Chirper" wires, and the vehicle's wire harness. Fig 13

- (5) Inside the passenger compartment, take up the slack in the Piezo "Chirper" wires. Fig 14

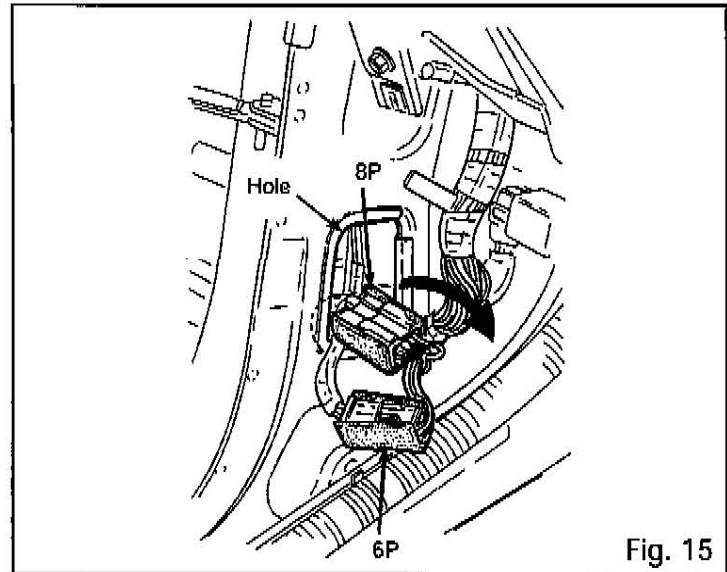
NOTE

DO NOT CUT THE PIEZO "CHIRPER" WIRES UNTIL INSTRUCTED TO DO SO.



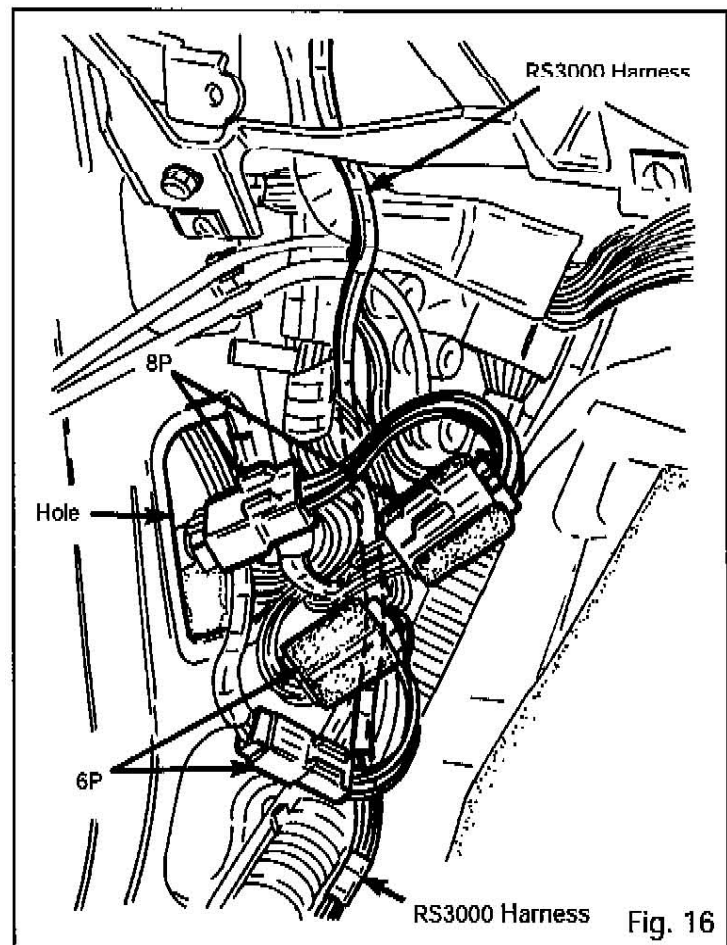
WIRE HARNESS AND G.B.S. CONTROLLER INSTALLATION

- (1) Locate and remove the vehicle wire harness' 6P and 8P connectors from the hole in the driver's cowl area. Fig 15



- (2) A) Disconnect the vehicle wire harness' 6P connectors, and plug the RS3000 harness' 6P Door Courtesy connectors in between. Fig 16

- B) Disconnect the vehicle wire harness' 8P connectors, and plug the RS3000 harness' 8P Door Lock Control connectors in between. Fig 16



WIRE SPLICING CONNECTOR INSTRUCTIONS

- A) Position the open-ended side of a splicing connector under the vehicle harness' wire as shown. (A)
- B) Close the top and bottom halves of the open-ended side of the connector with pliers, squeezing them together until they lock. (B)
- C) Position the RS3000 harness' wire onto the closed-end side as shown. (C)
- D) Close the top and bottom halves of the connector with pliers, squeezing them together until they lock. (D)

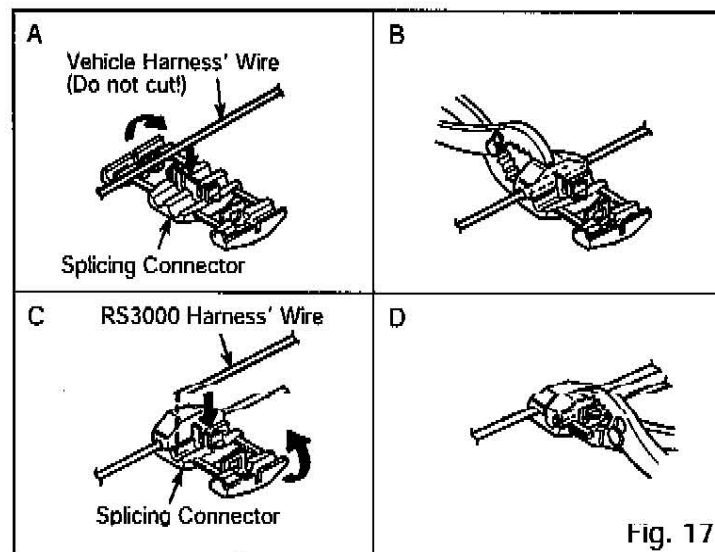


Fig. 17

- (3) A) Locate and disconnect the vehicle wire harness' 6P female (terminals) connector from the RS3000 harness' 6P male (terminals) Door Courtesy connector. Fig 18
- B) Route the Piezo "Chirper" BLACK wire just past the RS3000 harness' 6P male (terminals) connector, then cut it to length. (Not Shown)
- C) Turn the RS3000 harness' 6P male (terminals) connector so the wires face you and the tab is on top. Fig 18
- D) Locate the WHITE/BLACK wire in the bottom row, right corner. Using a splicing connector, attach the Piezo "Chirper" BLACK wire. Fig 18
- E) Reconnect the 6P connectors. Fig 18

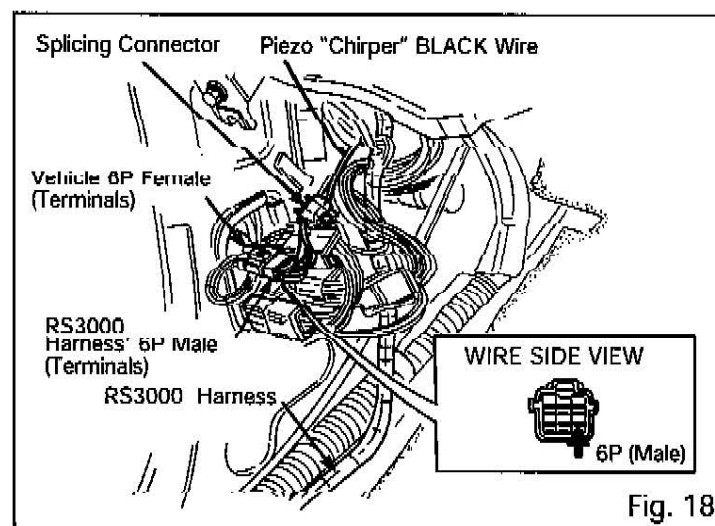


Fig. 18

- (4) A) Locate the RS3000 harness' RED wire and the Piezo "Chirper" RED wire. Route the Piezo "Chirper" RED wire alongside the RS3000 harness' RED wire and cut it to length. (Not Shown)
- B) Using a splicing connector, attach the RED wires to each other. Fig 19

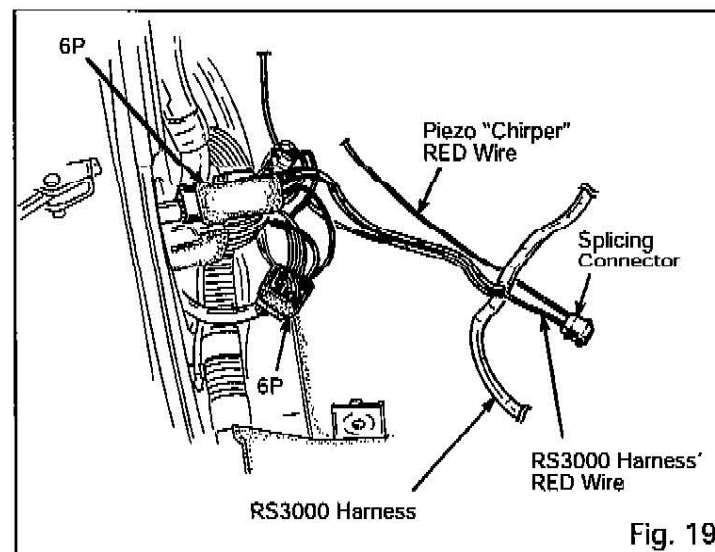
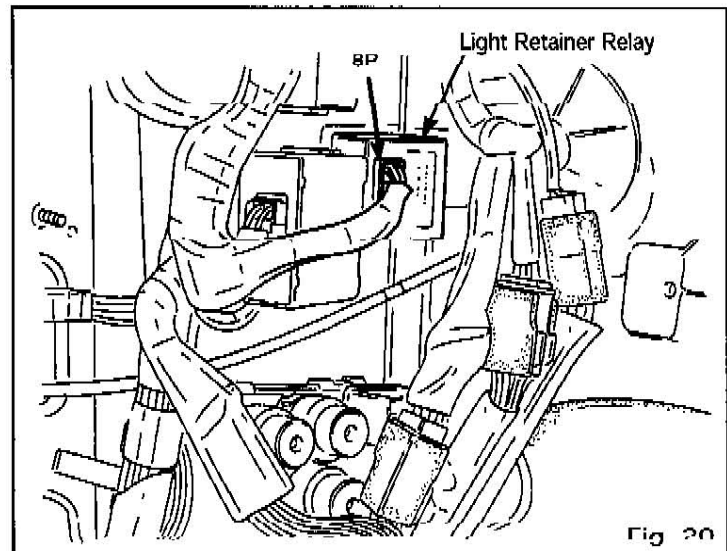
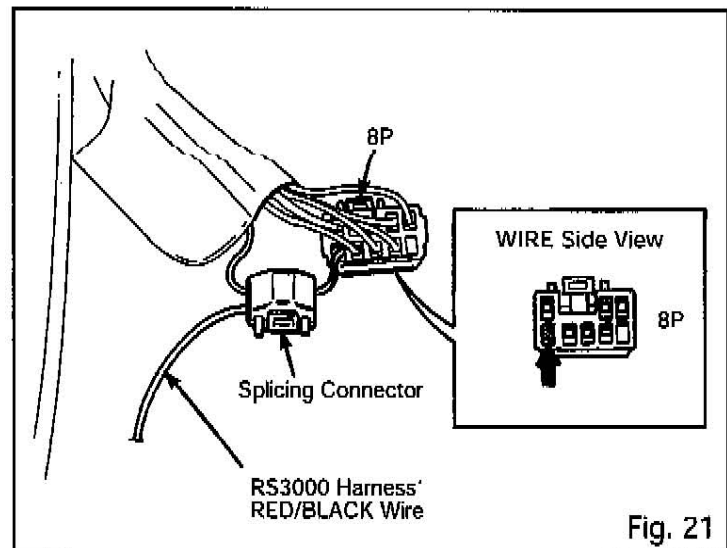


Fig. 19

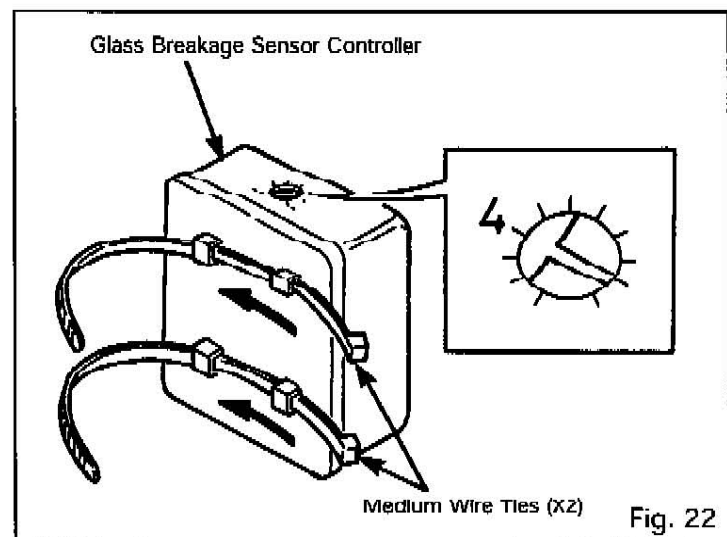
- (5) Locate and disconnect the 8P connector from the Light Retainer relay. Fig 20



- (6) A) Turn the connector so the wires face you and the tab is on top. Fig 21
 B) Locate the wire in the bottom row, left corner. Using a splicing connector, attach the RS3000 harness' RED/BLACK Tail Light wire. Fig 21
 C) Reinsert the 8P connector. (Not Shown)

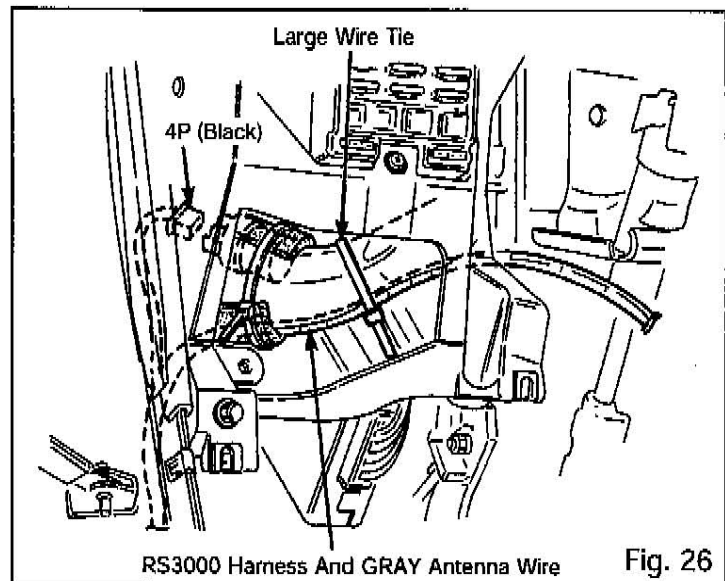


- (7) A) Insert two medium wire ties through the back cover of the Glass Breakage Sensor (G.B.S.) Controller. Fig 22
 B) Using a small, flat blade screwdriver, turn the adjustment screw to the "4" position. Fig 22

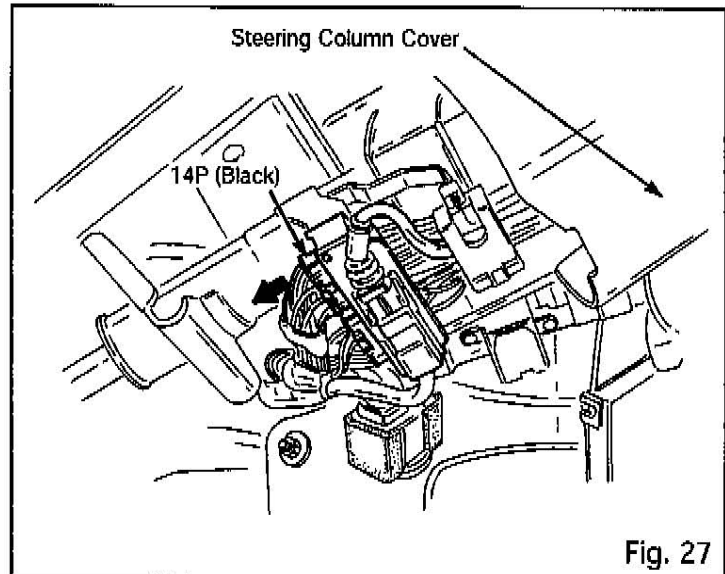


(11) A) Plug the RS3000 harness' black 4P connector into the Starter Cut Relay.
Fig 26

B) Route the RS3000 harness and GRAY Antenna wire toward the steering column, then secure them to the vehicle's wire harness with one large wire tie as shown. Fig 26



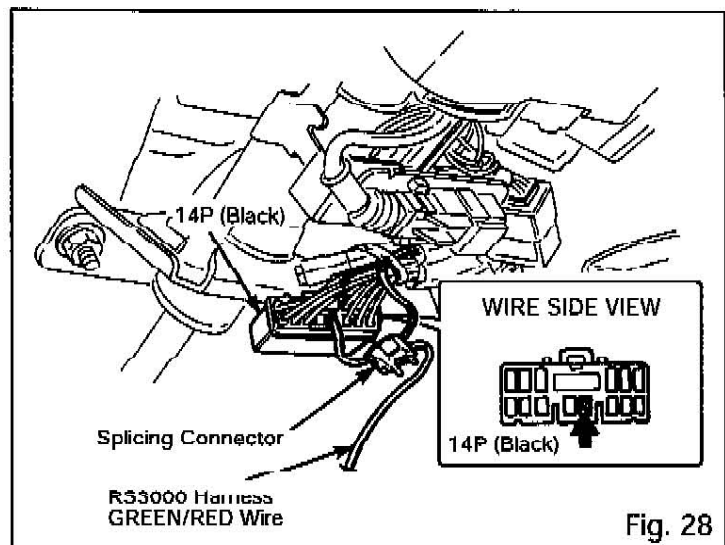
(12) Locate and disconnect the black 14P female (terminals) Combination Switch connector located at the base of the steering column cover. Fig 27



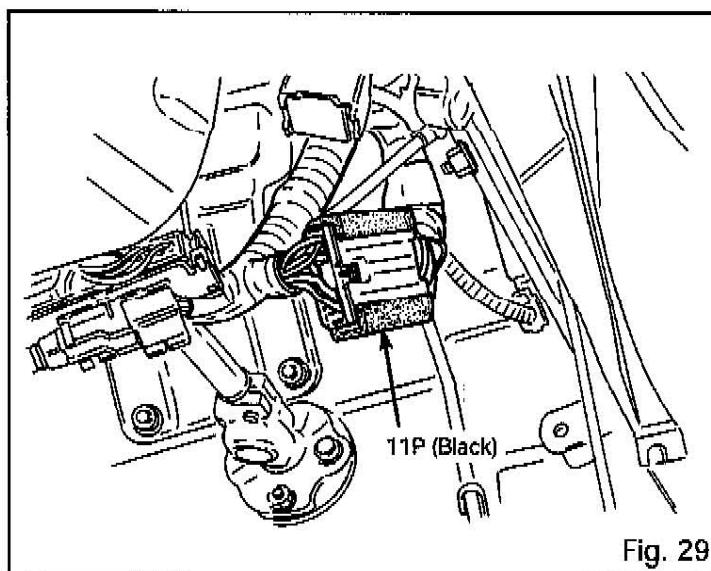
(13) A) Turn the connector so the wires face you and the tab is on top. Fig 28

B) Locate the wire in the bottom row, fifth space from the left. Using a splicing connector, attach the RS3000 harness' GREEN/RED Horn wire. Fig 28

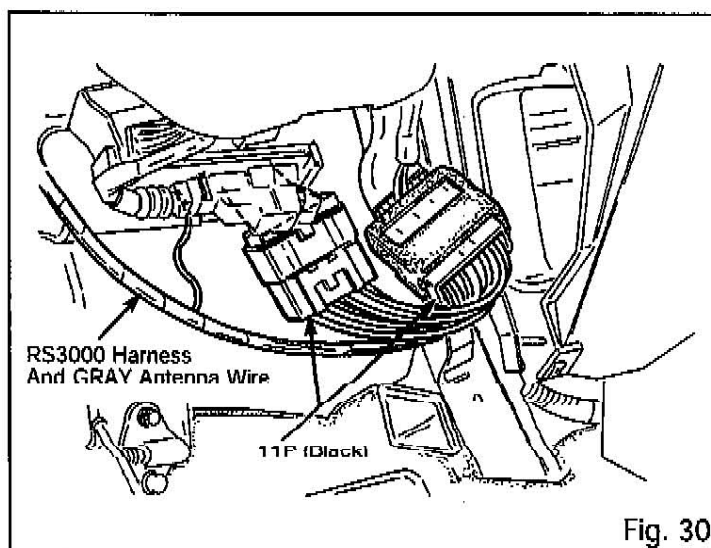
C) Reinsert the 14P connector.
(Not shown)



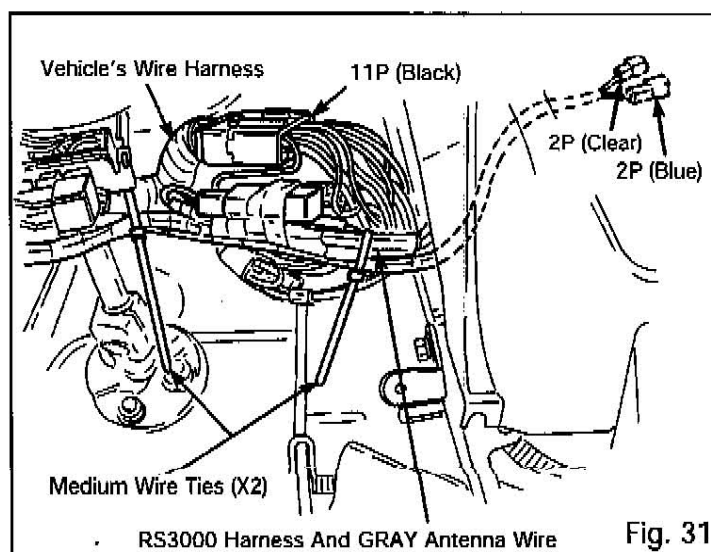
- (14) Locate and disconnect the black 11P Ignition Switch connectors, located below and to the right of the upper steering column cover. Fig 29



- (15) Plug the RS3000 harness' black 11P Ignition Switch connectors in between the vehicle wire harness' black 11P Ignition Switch connectors. Fig 30



- (16) A) Route the RS3000 harness and the GRAY Antenna wire toward the center console, then secure them to the vehicle's wire harness with two medium wire ties as shown. Fig 31



- (17) A) Route the GRAY Antenna wire up along the Ignition Switch cylinder, then secure it with one medium wire tie as shown. Fig 32

- B) Cut off the excess length of the GRAY Antenna wire as shown. Fig 32

NOTE

BE SURE TO CUT OFF THE EXCESS ANTENNA WIRE. BUNDLING THE EXCESS WIRE WILL ADVERSELY AFFECT THE REMOTE CONTROLS' OPERATING RANGE.

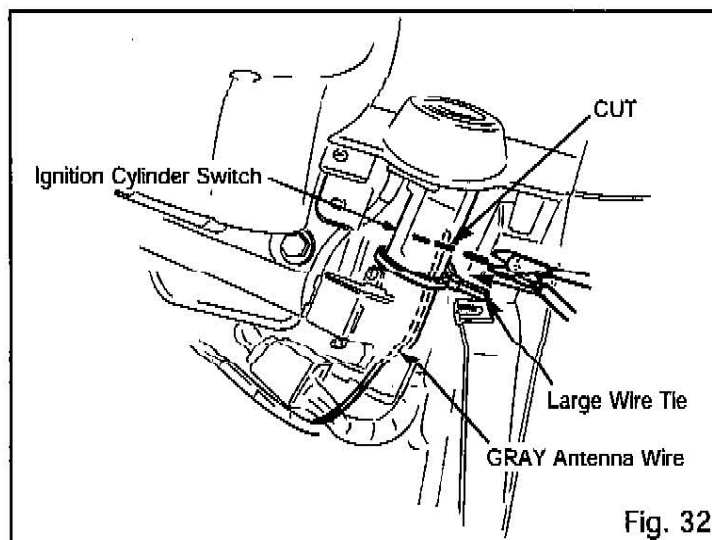


Fig. 32

MOUNTING THE STATUS MONITOR

- (1) A) Feed the Status Monitor's clear and blue 2P male (terminals) connectors into the open knockout hole in the center cluster panel, and mount the Status Monitor into the hole. Fig 33
- B) Insert the RS3000 harness' clear and blue 2P female (terminals) connectors into the Status Monitor's clear and blue 2P male (terminals) connectors. Fig 33

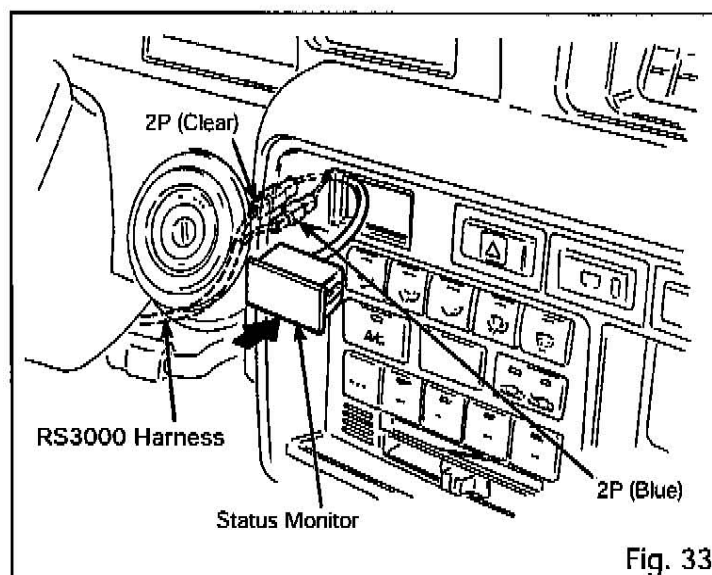


Fig. 33

MOUNTING THE RS3000 ECU

ATTENTION

BEFORE MOUNTING THE ECU, TEMPORARILY CONNECT THE ECU CONNECTORS TO THE ECU, AND THE NEGATIVE BATTERY CABLE TO THE BATTERY. SKIP TO THE "TEST THE SYSTEM" SECTION AND PERFORM THE FUNCTION CHECK. COMPLETE THE INSTALLATION AFTER FINISHING THE FUNCTION CHECK.

- (1) Measure, mark, and cut the carpeting beneath the driver's seat as shown. Fig 34

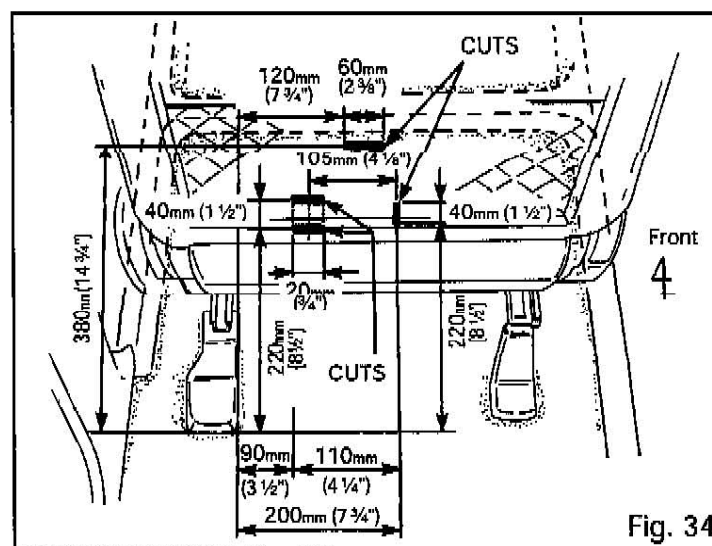


Fig. 34

- (2) Route the RS3000 harness' 4P and two 10P connectors through the large slit.
Fig 35

IMPORTANT

THE RS3000 HARNESS MUST NOT EXTEND MORE THAN 4 1/2" FROM THE FACE OF THE ECU CONNECTORS BACK TO THE LARGE SLIT. THIS WILL HELP ENSURE THAT THE HARNESS DOES NOT STICK UP AND INTERFERE WITH THE OPERATION OF THE SEATS.

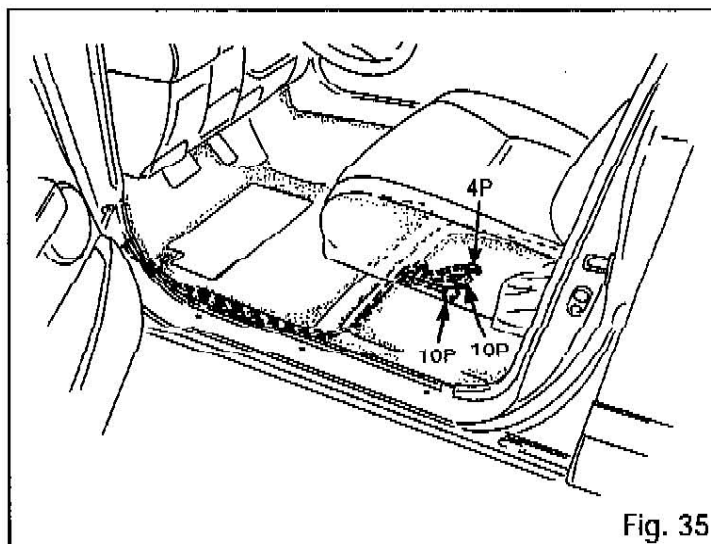


Fig. 35

- (3) A) Insert the ECU's tongue into under the carpet as shown. Fig 36
B) Feed one end of the black reusable wire tie under the carpet and through both holes of the ECU bracket, then secure the ECU to the carpet as shown. Fig 36

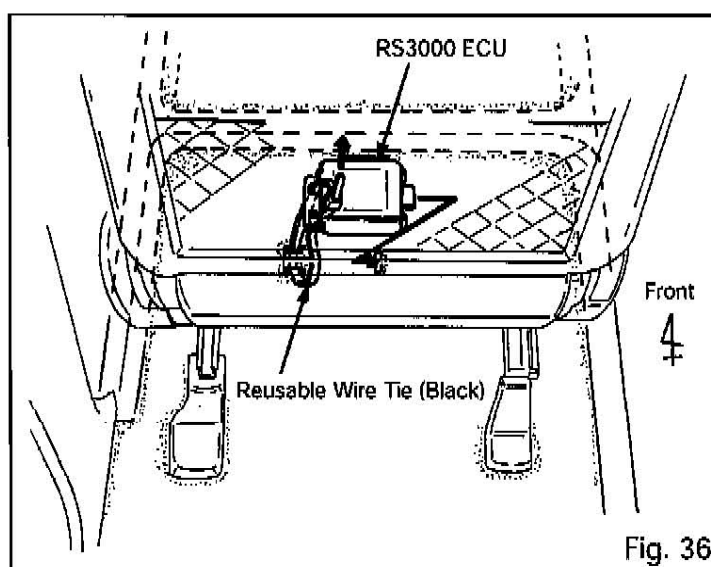


Fig. 36

- (4) Plug in the one 4P and two 10P connectors into the ECU. Fig 37

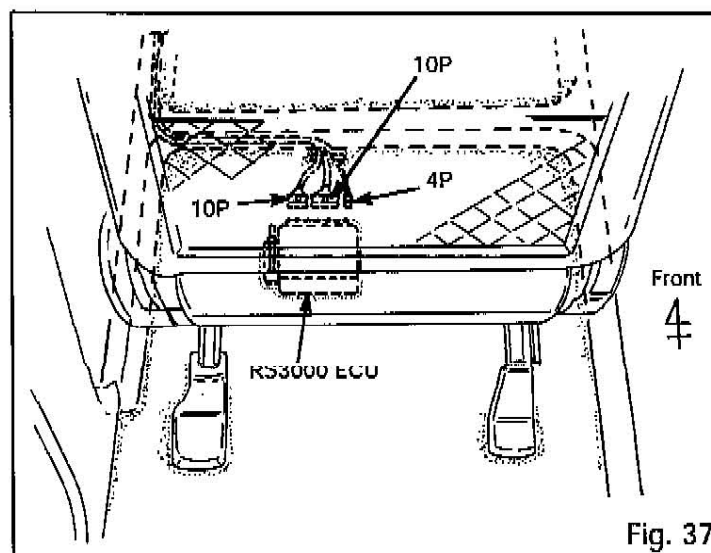


Fig. 37

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WARNING LABEL MOUNTING

- (1) A) Clean the inside surface on the driver's and front passenger's door windows. (Not shown)
- B) Attach the warning labels to the inside surface of the door windows as shown Fig 38

TIP

USE A PIECE OF ADHESIVE TAPE ("SCOTCH" TAPE) TO LIFT THE WARNING LABELS FROM THE PROTECTIVE BACKING MATERIAL. HANDLING THE LABELS THIS WAY IS EASIER AND HELPS ELIMINATE PERMANENT FINGERPRINTS SHOWING THROUGH THE STICKERS.

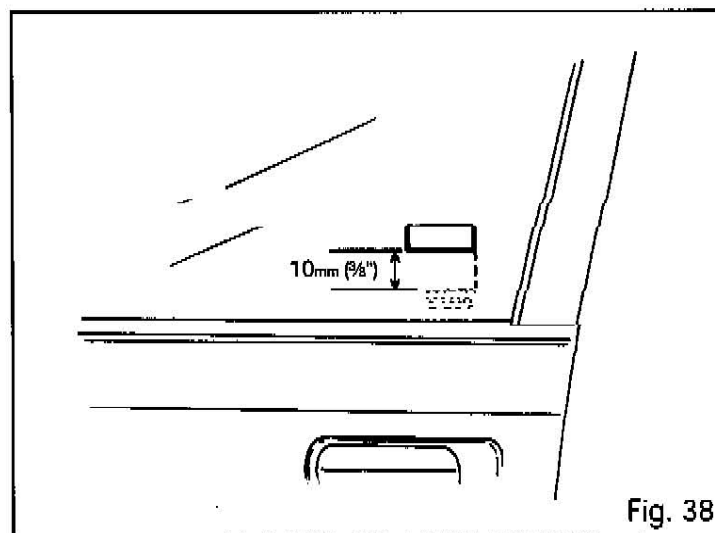


Fig. 38