



INSTALLATION INSTRUCTIONS

1997

SUPRA

RS3000 SECURITY SYSTEM

PART NUMBER	RS3000 BASE KIT (NEW)	08585-00920
	SUPRA RS3000 FITTING KIT	08586-14830

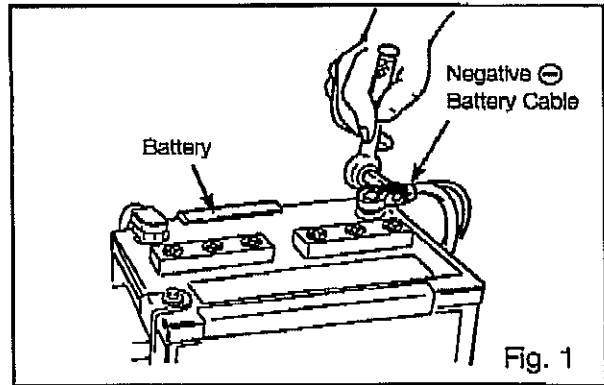
	Description	Service P/N	Q'ty
RS3000 BASE KIT (NEW) CONTENTS	RS3000 ECU	08190-00921	1
	Remote Control Transmitter	08191-00870	2
	Glass Breakage Sensor ECU	08192-00970	1
	Owner's Guide		1
	Insurance Information Form		1
	Warning Labels		2

SUPRA RS3000 FITTING KIT CONTENTS	RS3000 Wire Harness For Supra		1
	Glass Breakage Sensor (Microphone)		1
	Piezo "Chirper" (Includes Wiring)	08192-12920	1
	Foam Tape (2 Pieces)		1
	Splicing Connector (Red)		3
	Wire Tie (Large)		1
	Wire Tie (Medium)		24

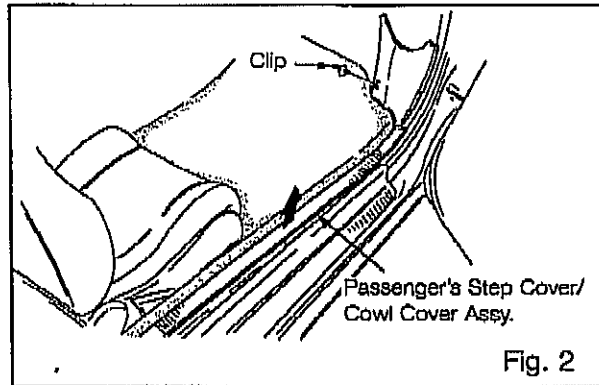
REQUIRED TOOLS AND MATERIALS	Description
	Pneumatic/Electric Wrench
	10 mm Socket
	Pliers
	Nylon Removal Tool
	#2 Phillips Bit/Screwdriver
	Small Flat Blade Screwdriver
	Tape Measure
	Utility Knife
	Electrical Tape
	Side Cutters
	Striker (PIO)/Key
	Clean, Lint Free Cloth
	Simple Green (or equivalent)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

VEHICLE DISASSEMBLY

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



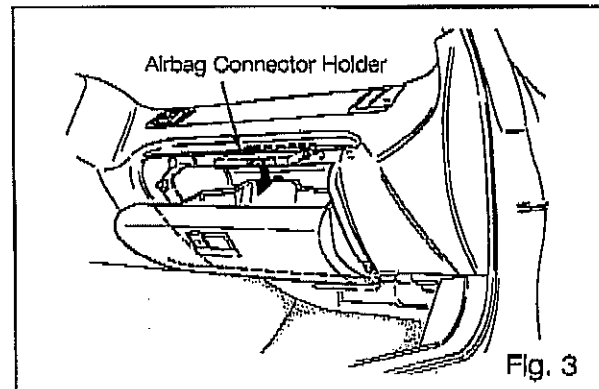
- (2) Remove the passenger's step cover/cowl cover assembly. (1 clip) Fig 2



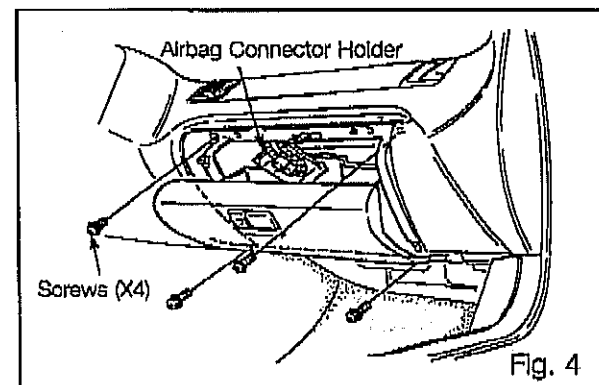
- (3) Loosen and drop the airbag connector holder into the glove box. Fig 3

**CAUTION**

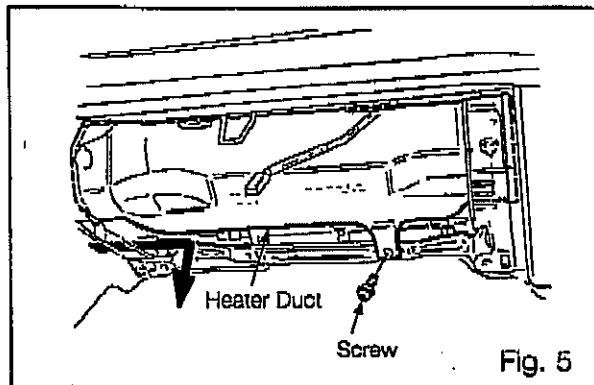
DO NOT DISCONNECT THE AIRBAG CONNECTORS.



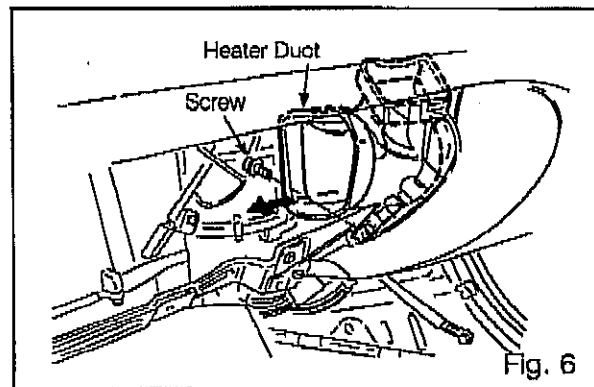
- (4) Remove the glove box assembly. (4 screws) Fig 4



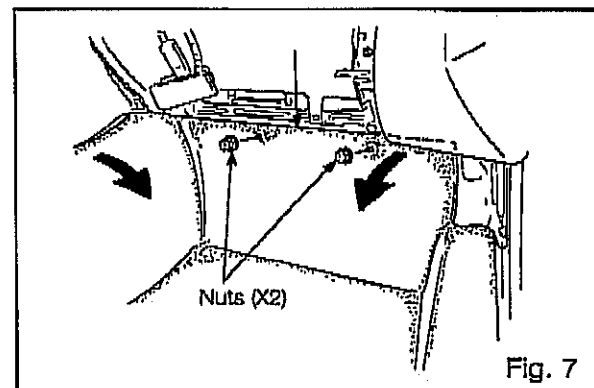
- (5) Remove the passenger's center heater duct. (1 screw) Fig 5



- (6) Remove the passenger's right heater duct. (1 screw) Fig 6



- (7) Peel down the passenger's floor carpet. (2 nuts) Fig 7

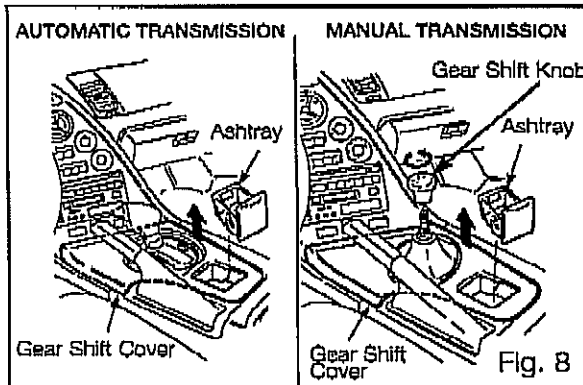


FOR A/T VEHICLES

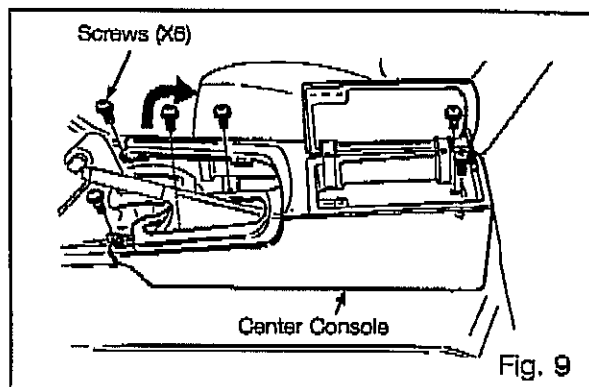
- (8) Remove the ash tray and the gear shift cover. Fig 8

FOR M/T VEHICLES

- (8) Remove the gear shift knob, the ash tray, and the gear shift cover. Fig 8

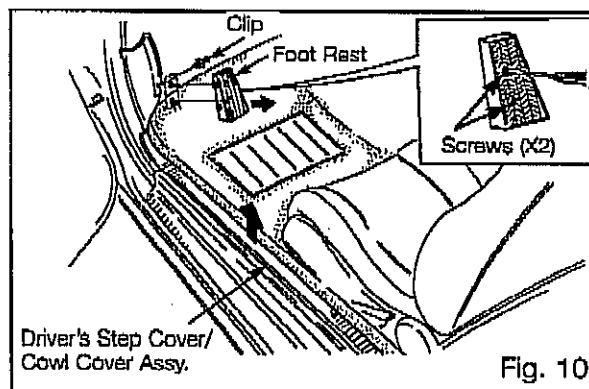


- (9) Remove the center console. (6 screws) Fig 9



- (10) A) Remove the driver's foot rest. (2 screws)
Fig 10

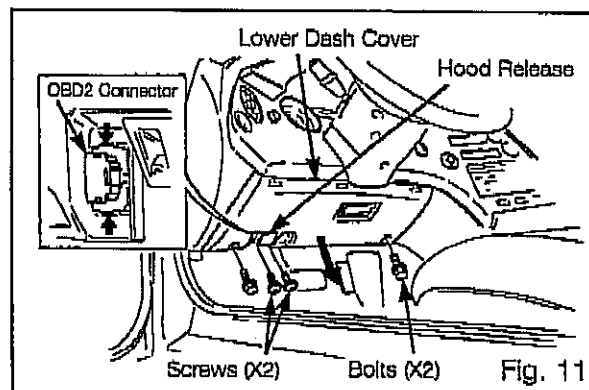
- B) Remove the driver's step cover/cowl cover assembly. (1 clip) Fig 10



- (11) A) Remove the hood release. (2 screws) Fig 11

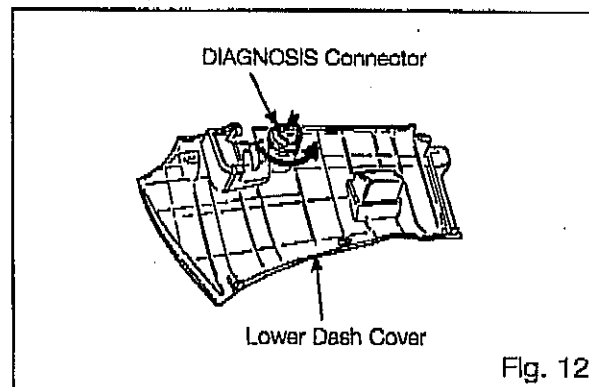
- B) Drop the driver's lower dash cover. (2 bolts)
Fig 11

- C) Remove the OBD2 connector from the cover.
Fig 11

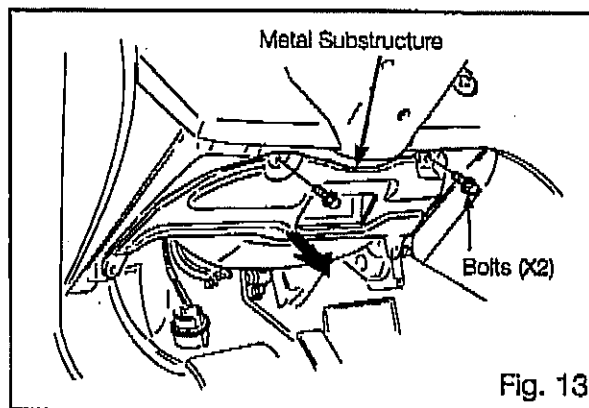


- (12) A) Turn over the driver's lower dash cover.
Fig 12

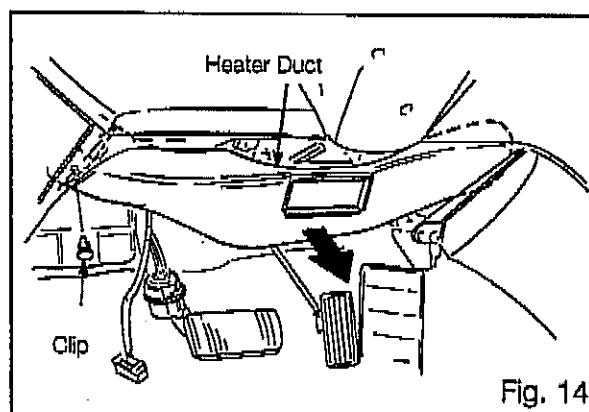
- B) Remove the DIAGNOSIS connector from the cover. Fig 12



(13) Remove the metal substructure. (2 bolts) Fig 13



(14) Remove the driver's heater duct. (1 clip) Fig 14



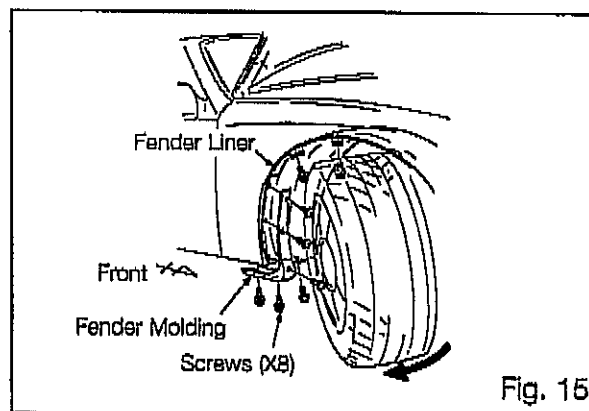
NOTE

BEFORE PERFORMING THE NEXT STEP,
YOU MUST INSERT THE KEY INTO THE
IGNITION SWITCH AND TURN IT TO "ON".

(15) A) Turn the steering wheel clockwise (to the right) until it stops. Fig 15

B) Remove the fender molding from the passenger's side front fender. (5 screws) Fig 15

C) Loosen the fender liner. (3 screws) Fig 15



— VEHICLE DISASSEMBLY COMPLETE —

SYSTEM LAYOUT AND CONNECTIONS

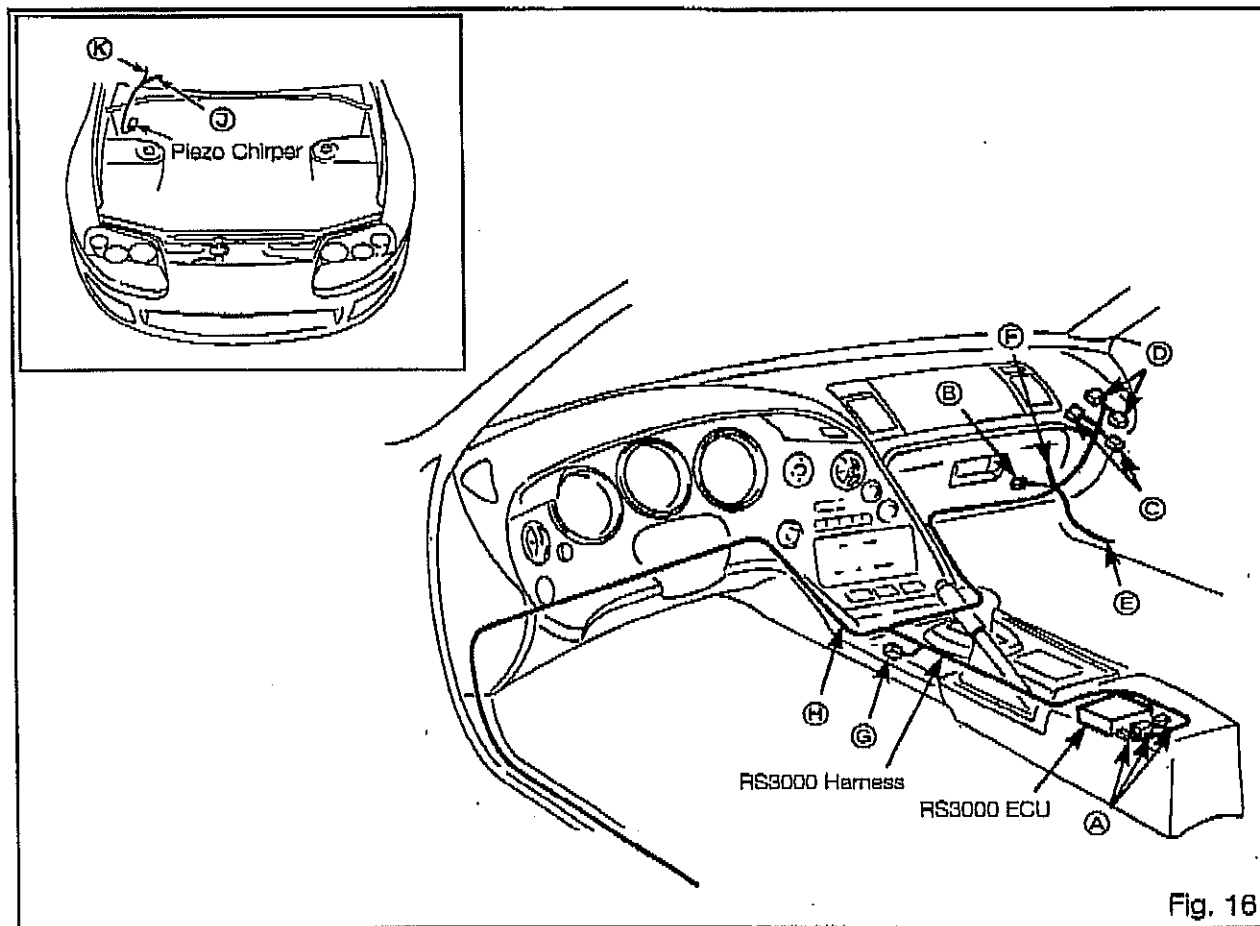


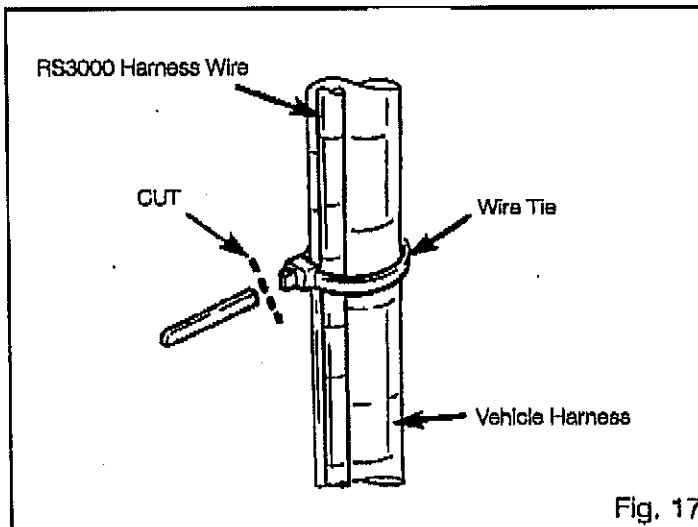
Fig. 16

A	RS3000 ECU Connectors (10P, 10P, 4P)	F	⊕ Output Wire For Piezo "Chirper" (RED)
B	Glass Breakage Sensor Controller Connector (6P Clear)	G	Glass Breakage Sensor (Mic.) Connector (2P Clear)
C	Theft Deterrent/Door Lock ECU Connectors (25P Orange Female/25P White Male)	H	Antenna Wire (GRAY)
D	Theft Deterrent/Door Lock ECU Connectors (9P Orange)	O	Piezo "Chirper" ⊕ Wire (RED)
E	Door Courtesy Wire (RED/WHITE)	P	Piezo "Chirper" ⊖ Wire (BLACK)

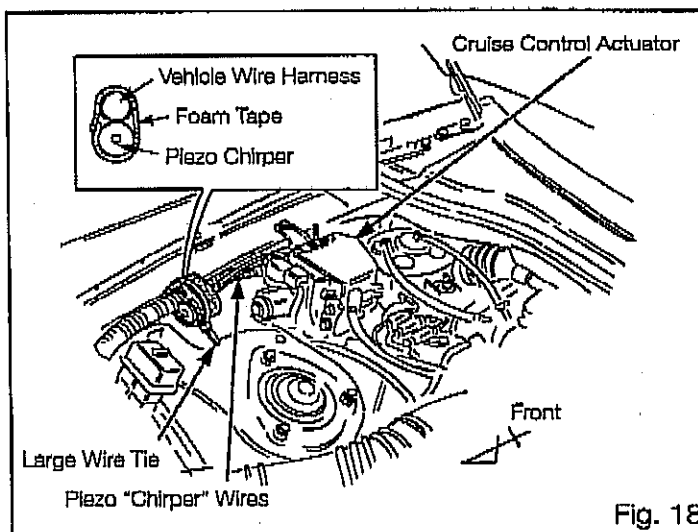
PIEZO "CHIRPER" INSTALLATION

NOTE

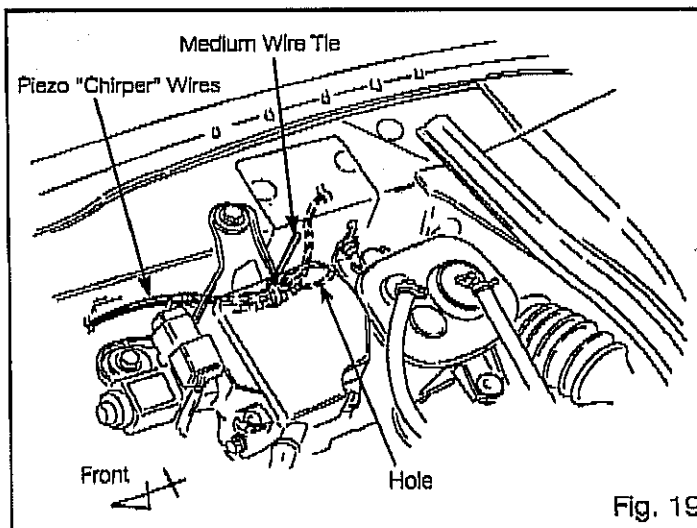
AFTER SECURING WIRES OR PARTS WITH WIRE TIES, CUT OFF THE EXCESS PORTION. FIG 17



- (1) A) On the passenger's side of the engine compartment, using a strip of foam tape and a large wire tie, secure the Piezo "Chirper" to the vehicle's wire harness near the Cruise Control Actuator as shown. Fig 18



- (2) Secure the Piezo "Chirper" wires to the vehicle's wire harness with one medium wire tie, and route them through the hole into the fender well as shown. Fig 19



- (3) Pull back the fender liner, and route the Piezo "Chirper" wires through the fender as shown. Fig 20

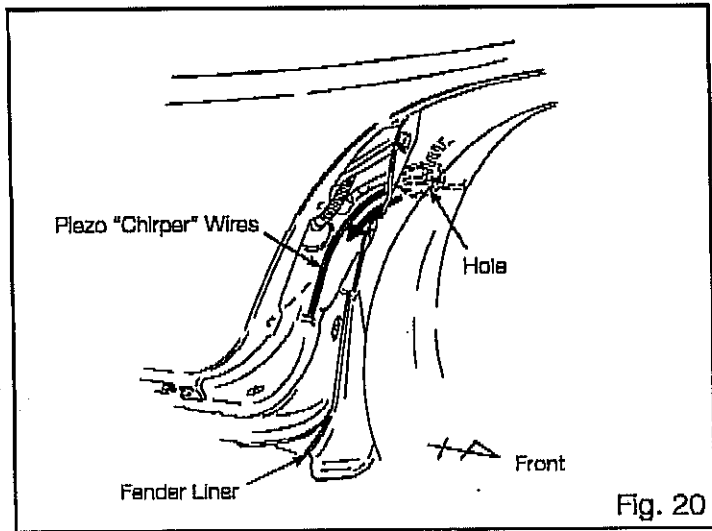


Fig. 20

- (4) Locate the vehicle's wire harness grommet, and cut off the tip of the grommet's nipple as shown. Fig 21

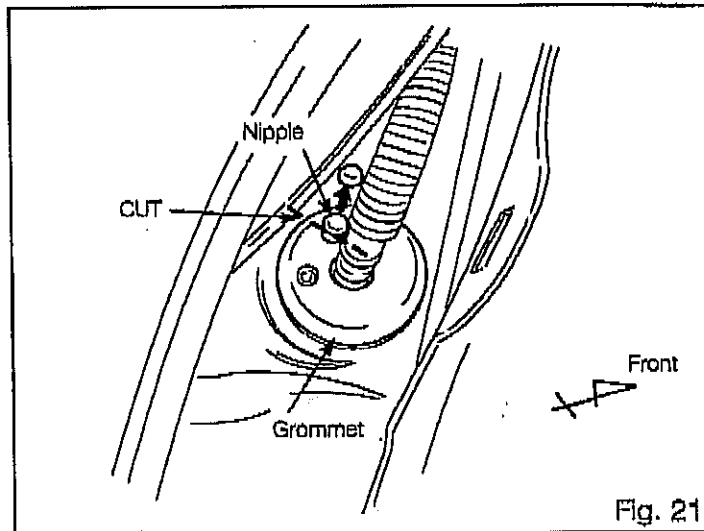


Fig. 21

- (5) A) Route the entire length of the Piezo "Chirper" wires through the grommet into the passenger compartment, and secure them to the vehicle's wire harness with one medium wire tie as shown. Fig 22
- B) Wrap electrical tape around the grommet's nipple and the Piezo "Chirper" wires. Fig 22

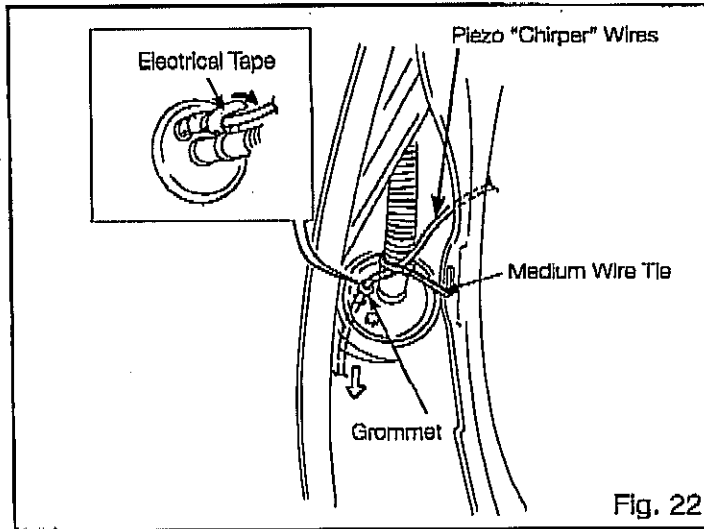


Fig. 22

- (6) Inside the passenger compartment, route the Piezo "Chirper" wires to the floor, and cut off the excess as shown. Fig 23

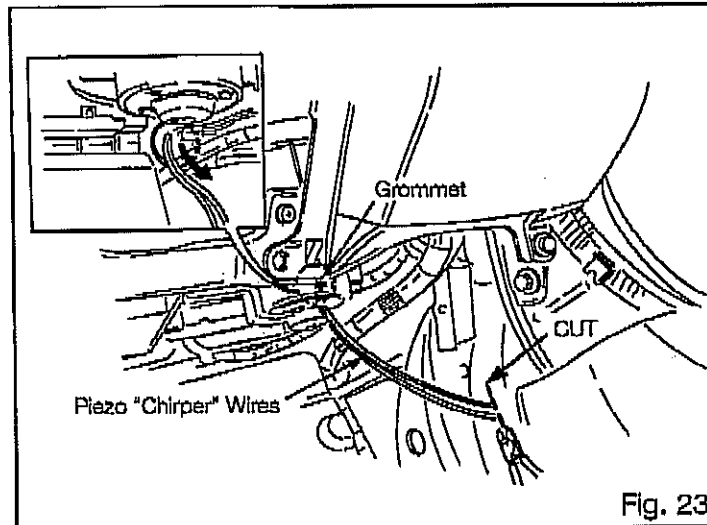


Fig. 23

WIRE HARNESS INSTALLATION

- (1) A) Behind the dash on the passenger's side of the vehicle, unlock the clip securing the vehicle's wire harness as shown. Fig 24
- B) Locate and disconnect the vehicle wire harness' orange 9P and 25P connectors from the Door Lock Control/Theft Deterrent System ECU. Fig 24

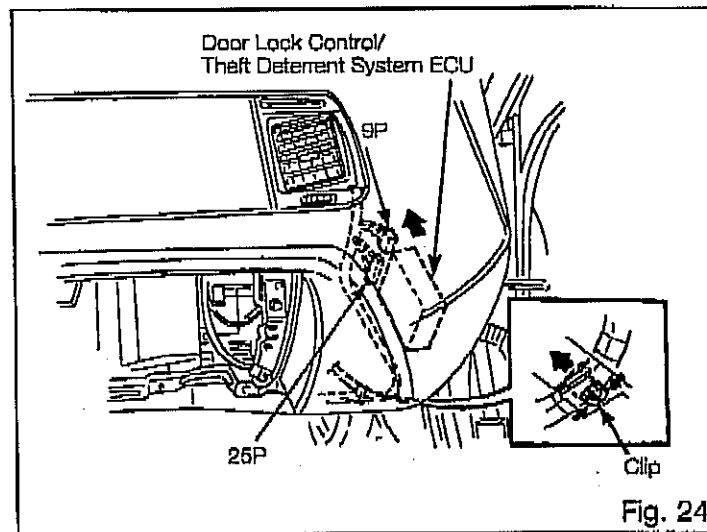


Fig. 24

- (2) A) Insert the RS3000 harness' orange 9P and 25P female (terminals) connectors into the Door Lock Control/Theft Deterrent System ECU. Fig 25
- B) Insert the vehicle wire harness' orange 9P and 25P female (terminals) connectors into the RS3000 harness' orange 9P and white 25P male (terminals) connectors. Fig 25

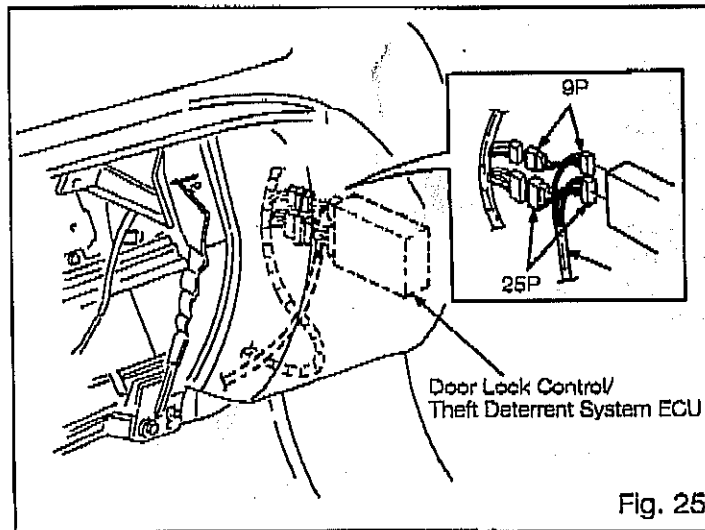


Fig. 25

- (3) Secure the RS3000 harness to the vehicle's wire harness with two medium wire tie as shown. Fig 26

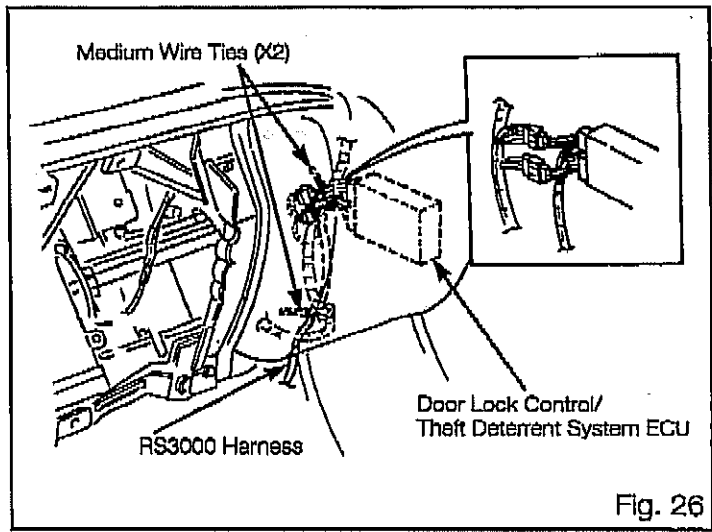


Fig. 26

WIRE SPLICING CONNECTOR INSTRUCTIONS

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

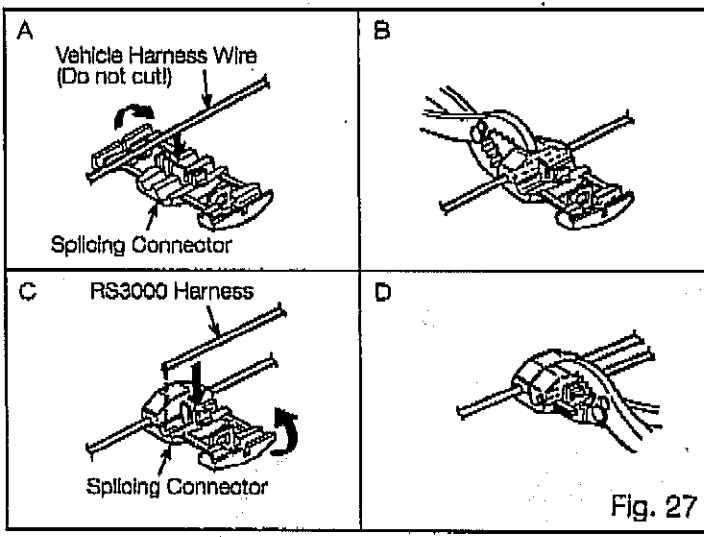


Fig. 27

- (4) A) Inside the vehicle's wire harness running through the passenger's cowl area, locate, separate and lift up the RED/WHITE wire. Fig 28
- B) Using a splicing connector, attach the S3000 harness' RED/WHITE Door Courtesy wire as shown. Fig 28

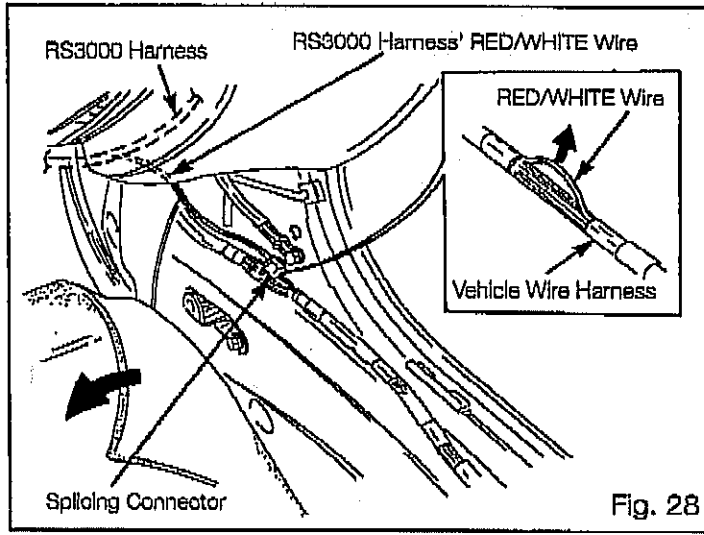
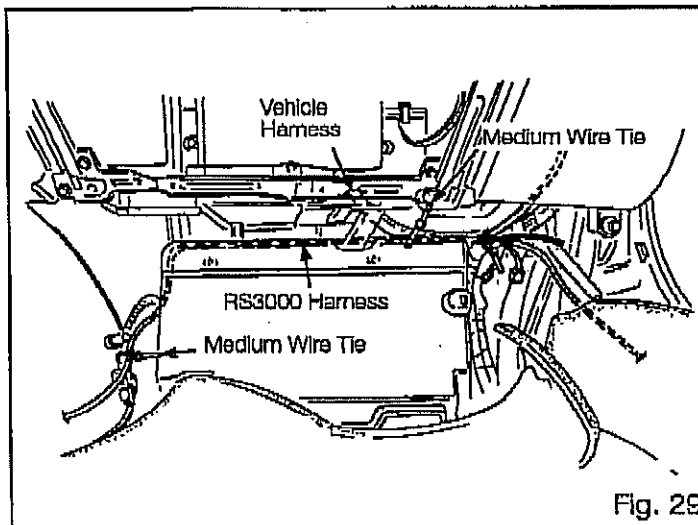
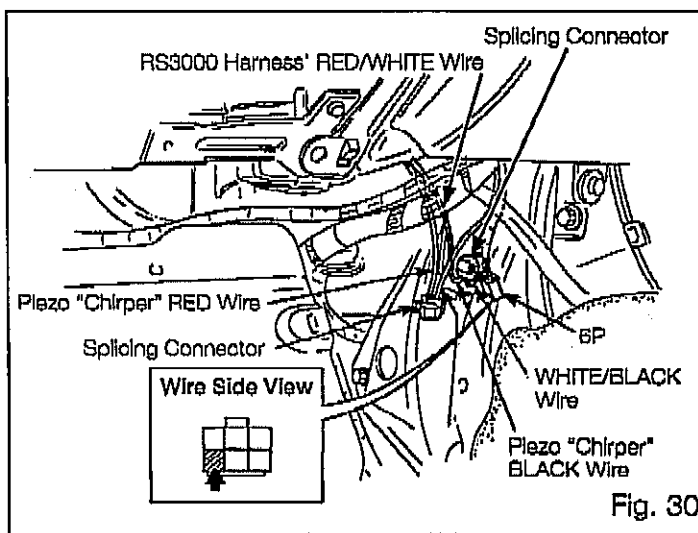


Fig. 28

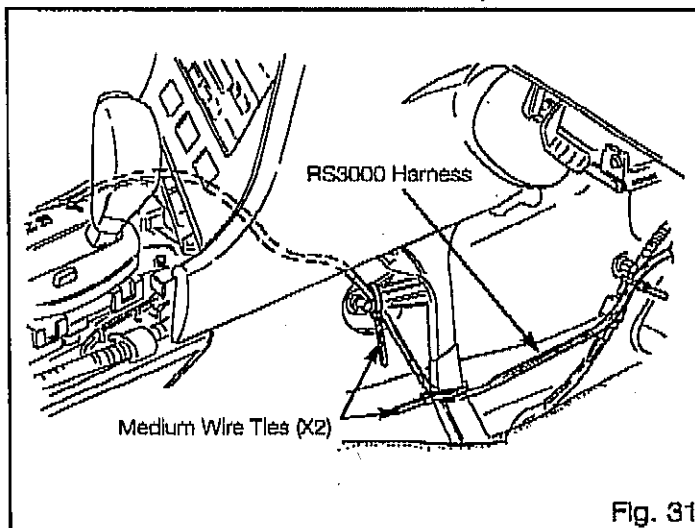
- (5) Route the RS3000 harness across the passenger's foot well area, then secure it to the vehicle's wire harness with two medium wire ties as shown. Fig 29



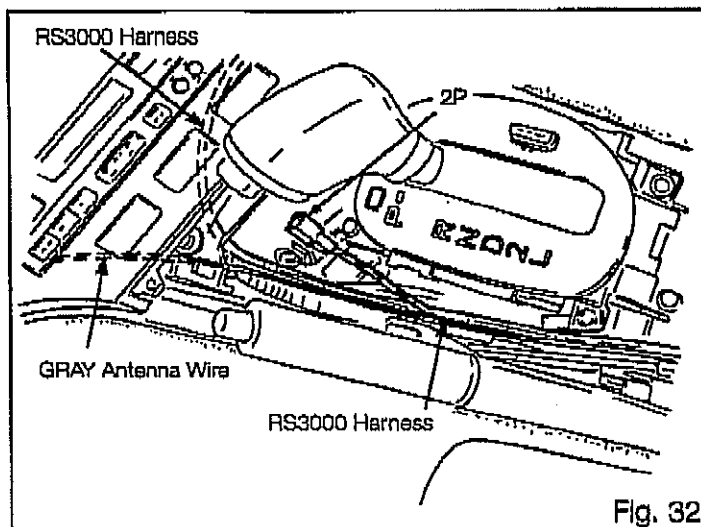
- (6) A) In the passenger's cowl area, locate the RS3000 harness' RED wire and the Piezo "Chirper" RED wire. Fig 30
 B) Using a splicing connector, attach the wires to each other. Fig 30
 C) Locate the RS3000 harness' clear 6P connector and the Piezo "Chirper" BLACK wire. Fig 30
 D) Turn the connector so the wires face you and the tab is on top. Fig 30
 E) Locate the WHITE/BLACK wire in the bottom row, left corner. Using a splicing connector, attach the Piezo "Chirper" BLACK wire as shown. Fig 30



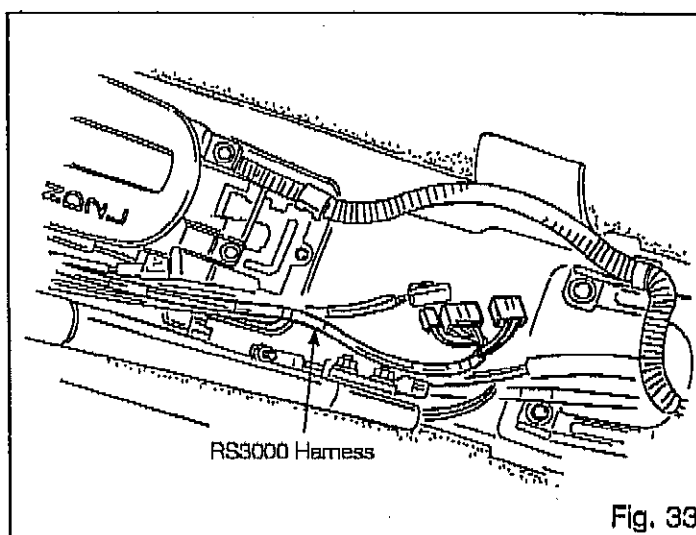
- (7) A) Route the RS3000 harness back toward the center console area, and secure it to the vehicle wire harness' cover with two medium wire ties as shown. Fig 31
 B) Route the RS3000 harness under the edge of the instrument panel's center section as shown. Fig 31



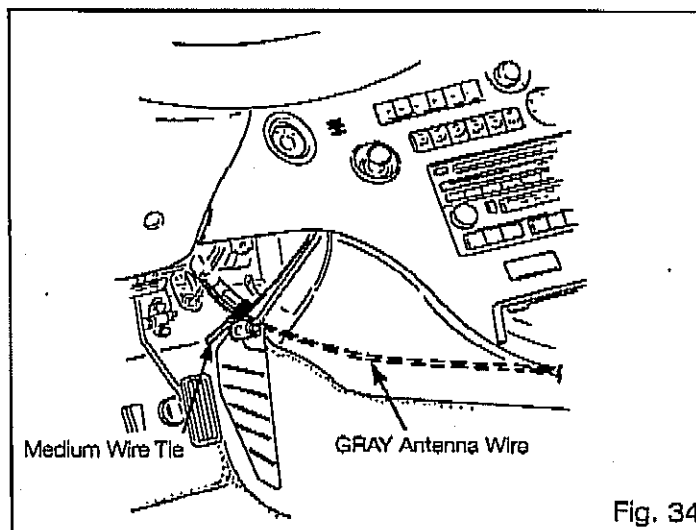
- (8) A) Route the RS3000 harness' 4P and two 10P ECU connectors past the gear shifter as shown. Fig 32
- B) Route the GRAY Antenna wire toward the driver's side of the vehicle. Fig 32



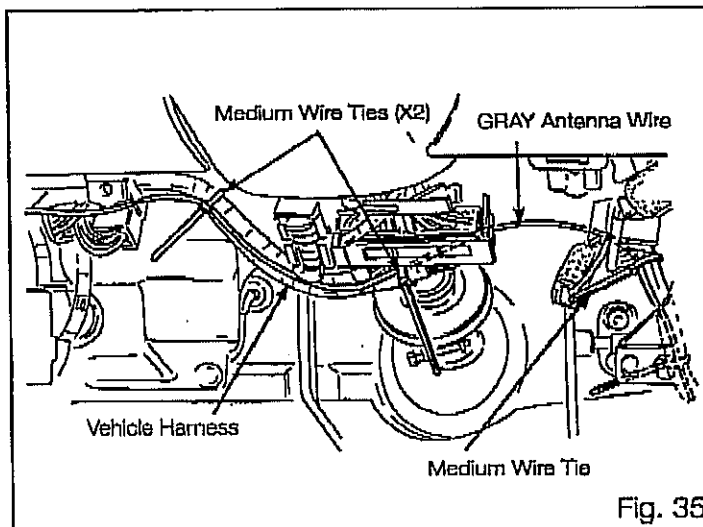
- (9) Route the RS3000 harness' 4P and two 10P ECU connectors back toward the airbag ECU as shown. Fig 33



- (10) Continue routing the GRAY Antenna wire under the edge of the instrument panel on the driver's side of the vehicle, and secure it to the vehicle's wire harness with one medium wire tie as shown. Fig 34

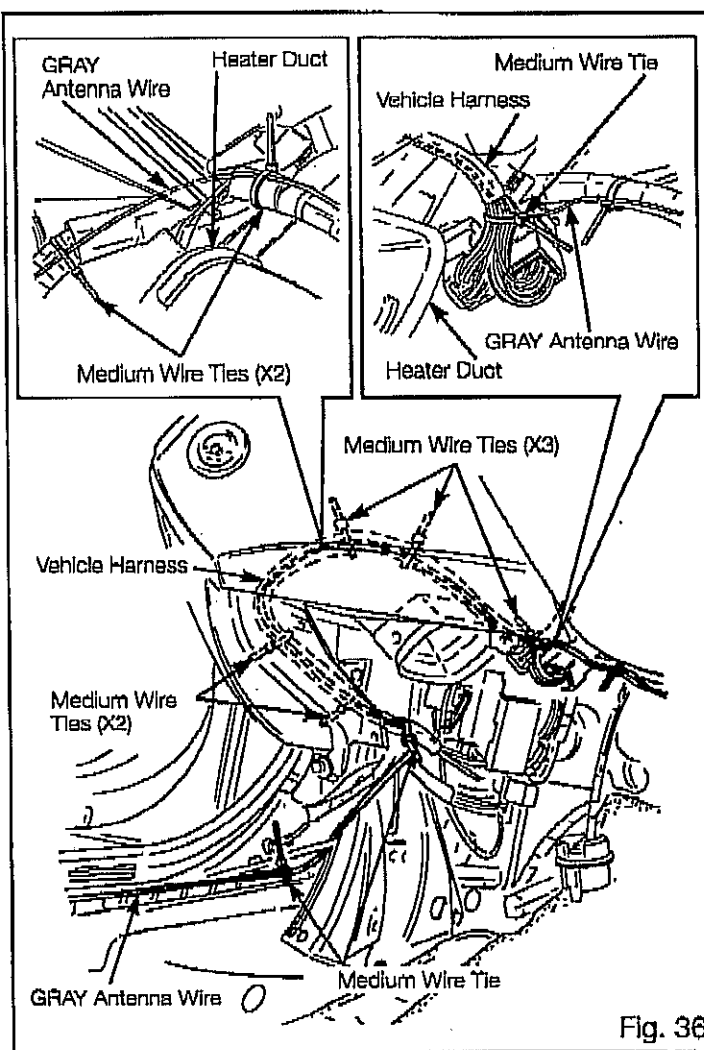


- (11) Route the GRAY Antenna wire under the steering column, and secure it to the vehicle's wire harness with three medium wire ties as shown. Fig 35

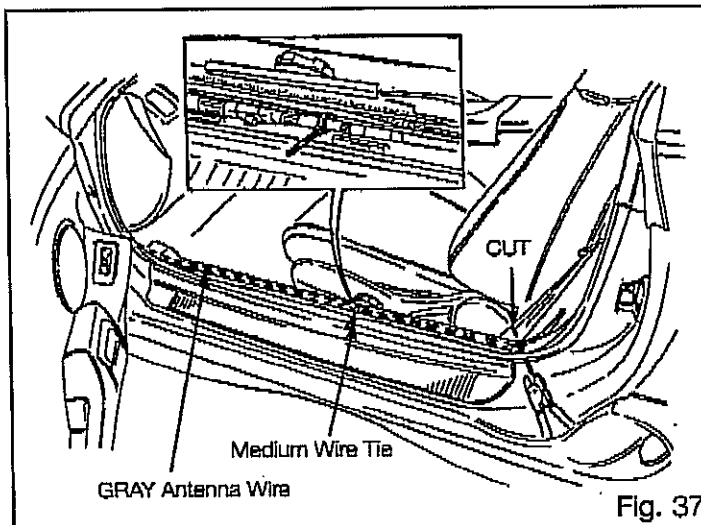


- (12) A) Route the GRAY Antenna wire along the vehicle's wire harness under the dash, past the cowl area, and through the door sill as shown. Fig 36

- B) Secure the GRAY Antenna wire to the vehicle's wire harness with seven medium wire ties as shown. Fig 36



- (13) A) Route the GRAY Antenna wire to the end of the door sill, and secure it to the vehicle's wire harness with a medium wire tie. Fig 37
- B) Cut off the excess GRAY Antenna wire as shown. Fig 37

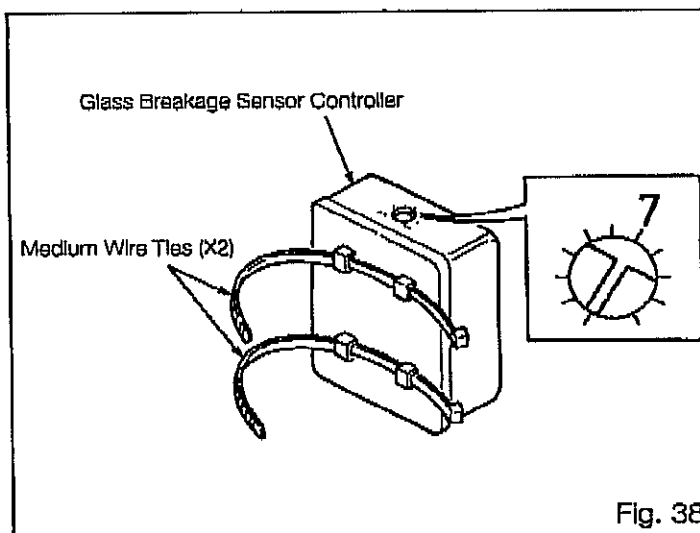


NOTE

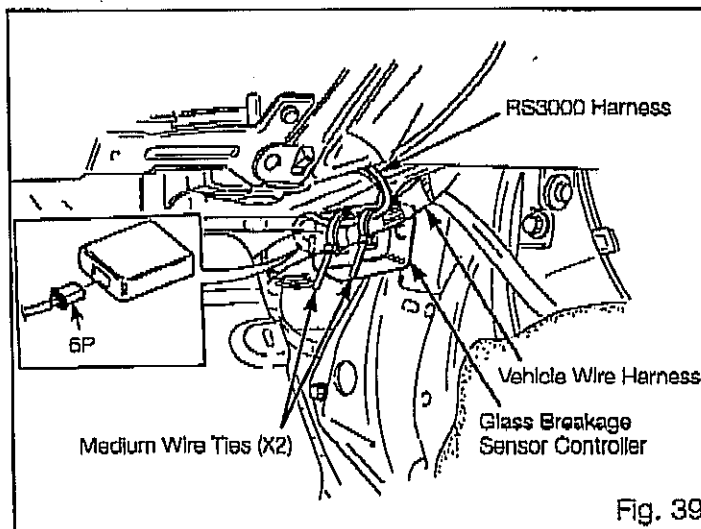
BE SURE TO CUT OFF THE EXCESS GRAY ANTENNA WIRE. BUNDLING THE EXCESS WIRE WILL ADVERSELY AFFECT THE REMOTE CONTROLS' OPERATING RANGE.

GLASS BREAKAGE SENSOR (G.B.S.) CONTROLLER INSTALLATION

- (1) A) Insert two medium wire ties through the back cover of the Glass Breakage Sensor (G.B.S.) controller. Fig 38
- B) Using a small, flat blade screwdriver, turn the adjustment screw to the "7" position. Fig 38



- (2) A) Locate the RS3000 harness' clear 6P connector in the passenger's cowl area, and plug it into the G.B.S. controller. Fig 39
- B) Secure the G.B.S. controller to the vehicle's wire harness as shown. Fig 39



NOTE

THE G.B.S. CONTROLLER MUST BE ACCESSIBLE TO MAKE ANY NECESSARY ADJUSTMENTS DURING TESTING AND ADJUSTMENT. FALSE "ALARMS" MAY OCCUR IF THE SENSITIVITY LEVEL IS SET TOO HIGH, AND THE SYSTEM MAY NOT BE TRIGGERED PROPERLY IF THE SETTING IS TOO LOW. AFTER TESTING THE SYSTEM AND ADJUSTING AS NECESSARY, TIGHTEN THE WIRE TIES AND CUT OFF THE EXCESS LENGTH.

ATTENTION

BEFORE MOUNTING THE ECU, TEMPORARILY CONNECT THE ECU CONNECTORS TO THE ECU. THE GLASS BREAKAGE SENSOR'S (MICROPHONE) CONNECTOR TO THE 2P CONNECTOR NEAR THE GEAR SHIFTER, 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.

RS3000 ECU MOUNTING

(1) Peel the protective backing off one side of the butyl tape pad (provided), then affix the pad to the bottom of the ECU. Fig 40

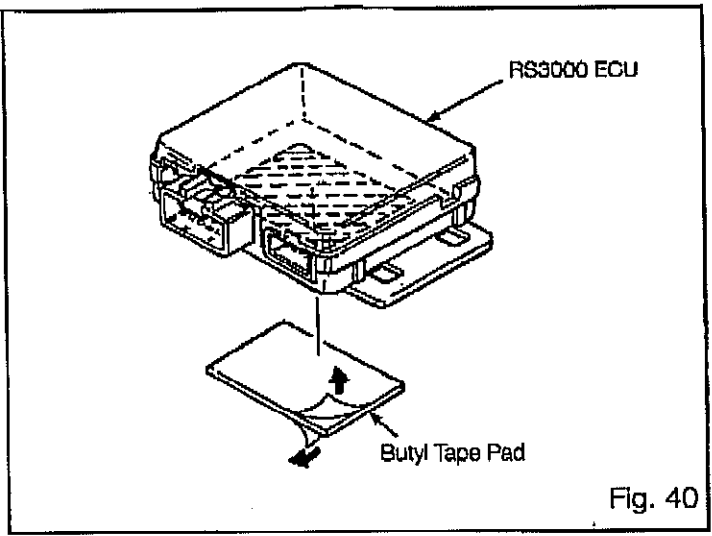


Fig. 40

(2) Plug the RS3000 harness' 4P and two 10P connectors into the ECU. Fig 41

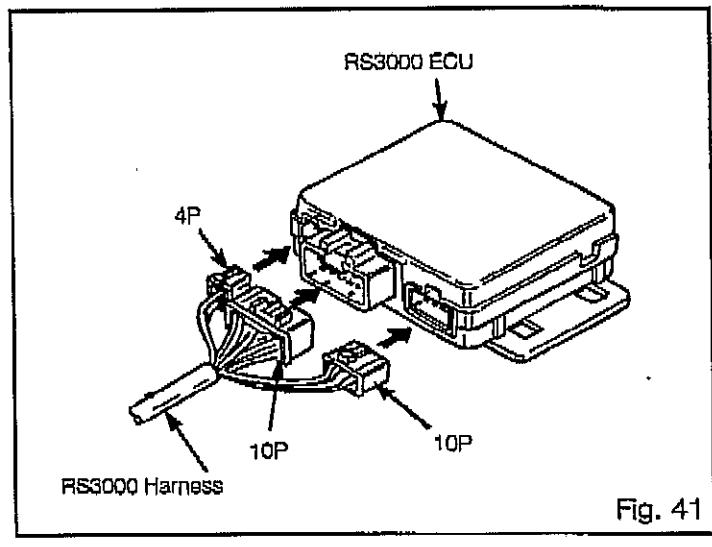


Fig. 41

(3) Peel the protective backing off the butyl tape pad affixed to the bottom of the ECU, place the ECU (connectors facing back) under the airbag ECU's harness, and press the ECU firmly into place. Fig 42

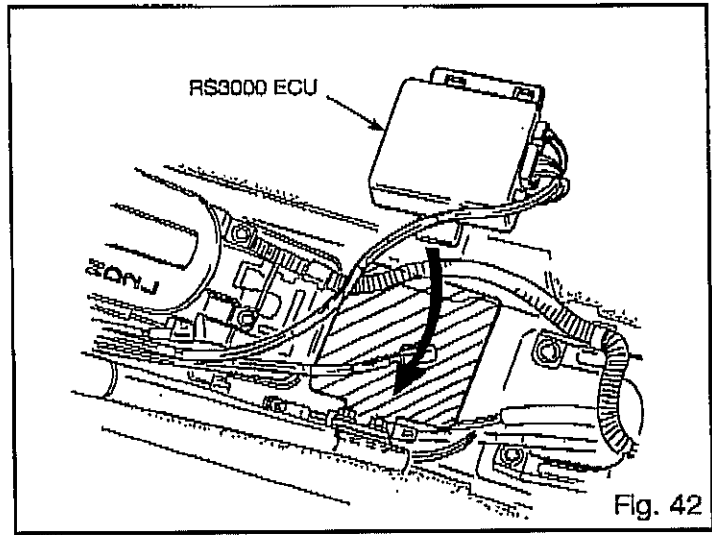


Fig. 42

- (4) Secure the RS3000 harness to the vehicle's wire harness with one medium wire tie as shown. Fig 43

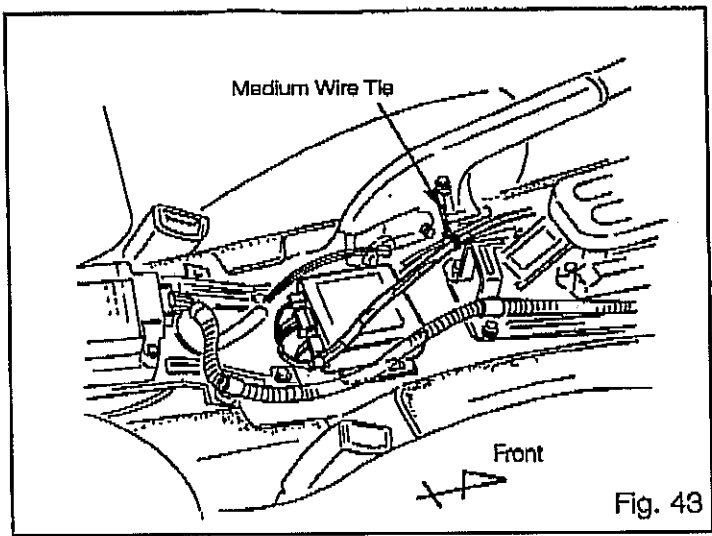


Fig. 43

GLASS BREAKAGE SENSOR MOUNTING

- (1) A) Disconnect the Glass Breakage Sensor (microphone) from the RS3000 harness. Fig 44
- B) Reinstall the center console. Fig 44
- C) Clean the side of the gear shift cover in the shaded area. Fig 44

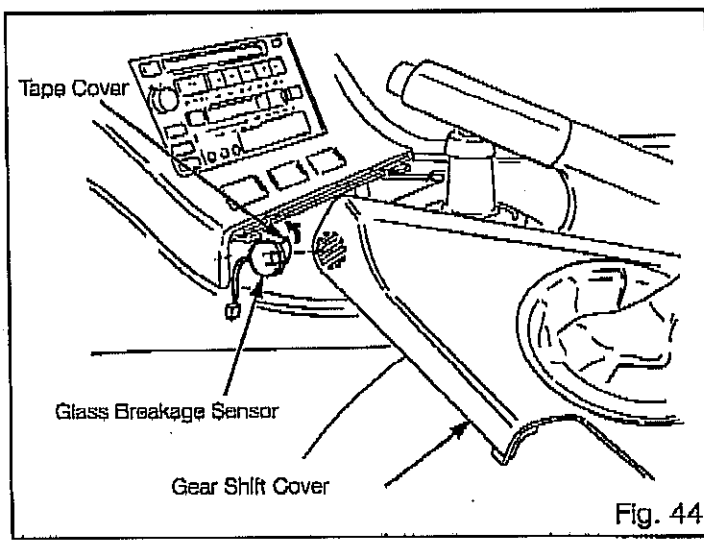


Fig. 44

CAUTION
DO NOT USE ANY ALCOHOL-BASED CLEANER TO CLEAN PLASTIC PANELS. USE SIMPLE GREEN OR AN EQUIVALENT NON-ALCOHOL-BASED CLEANER.

- (2) Peel the protective backing off the Glass Breakage Sensor, then mount the sensor on the side of the gear shift cover as shown. Fig 45

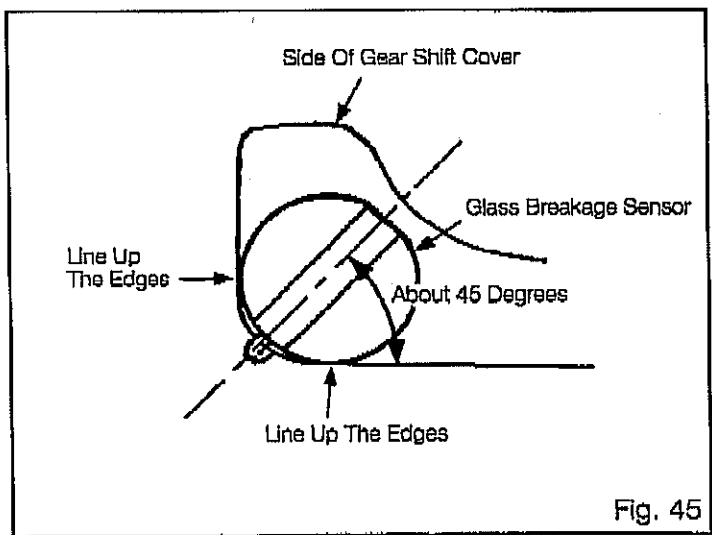
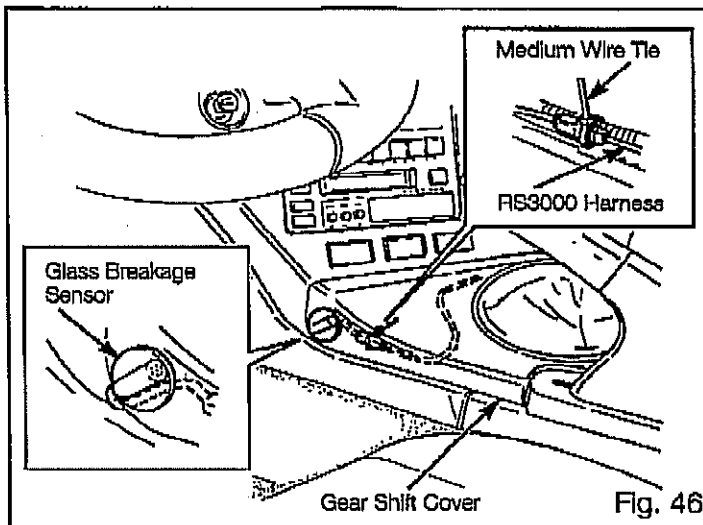


Fig. 45

- (3) A) Insert the RS3000 harness' 2P female (terminals)connector into the Glass Breakage Sensor's 2P male (terminats) connector, then secure the connectors to the RS3000 harness using one medium wire tie as shown. Fig 46

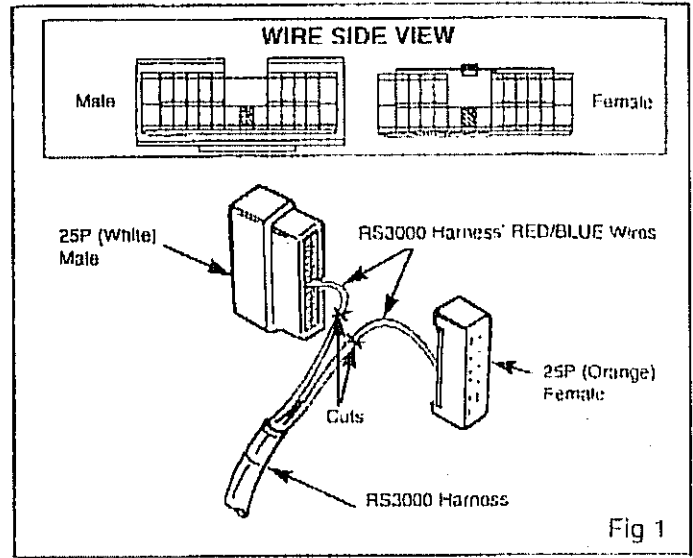
- B) Reinstall the gear shift cover. Fig 46



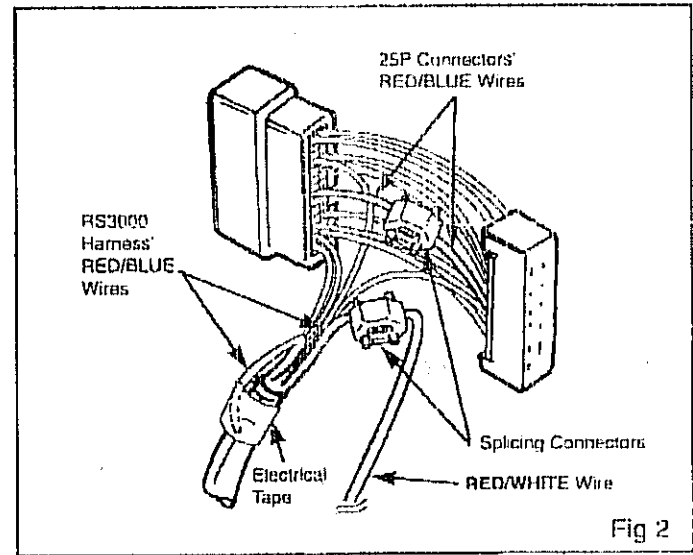
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MODIFICATION PROCEDURE FOR 1997 SUPRA RS3000 WIRE HARNESS

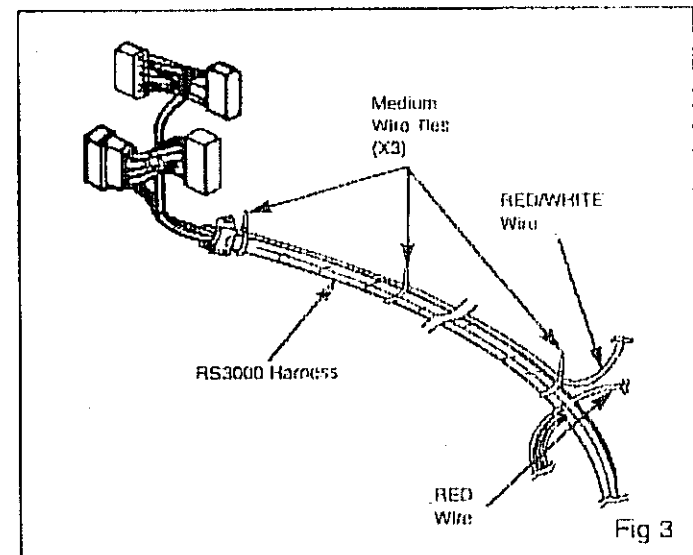
- (1) A) Locate the white 25P male and orange 25P female (terminals) connectors from the RS3000 harness. Fig 1
- B) Turn the white male (terminals) connector toward you so the wires are facing you and the tab slot is on top. Fig 1
- C) Locate the RED/BBLUE wire on the bottom row, eighth space from the left. Cut the wire approximately four inches from the connector. Fig 1
- D) Turn the orange female (terminals) connector so the wires are facing you and the tab is on top. Fig 1
- E) Locate the RED/BLUE wire in the bottom row, seventh space from the left. Cut the wire approximately four inches from the connector. Fig 1



- (2) A) Using a supplied splicing connector, attach the 25P connectors' RED/BLUE wires to each other. Fig 2
- B) Cut one RED/BLUE wire approximately 1/2" from the harness. Using electrical tape, secure the wire to the harness. Fig 2
- C) Using a supplied splicing connector, attach the supplied RED/WHITE wire to the remaining RED/BLUE wire. Fig 2



- (3) A) Route the RED/WHITE wire back down the harness to the point where the RED wire branches off. Fig 3
- B) Secure the RED/WHITE wire to the RS3000 harness with the three supplied medium wire ties as shown. Fig 3



This MOD MUST Be How I get my missing Red/white courtesy wire.

Test The System-SUPRA

RS3000

Complete all of the operation tests below, step by step, and verify all functions of the RS3000 security system before mounting the ECU and reassembling the vehicle's interior. Pay extra attention to systems activated or controlled by the system, including power door locks, dome and courtesy lights, tail and marker lights, the starter, and the vehicle's horn. Unlike the RS3000 systems installed in other vehicles, the RS3000 for Supra utilizes the "SECURITY" LED mounted in the vehicle's instrument panel to indicate the operating status of the system. Also, the factory-installed Theft Deterrent System (TDS) is disabled when the RS3000 is installed; a ground signal is applied to the TDS ECU's hood switch input to prevent the TDS from arming. While the RS3000 is armed, the alarm will not sound if the hood is opened, or a door unlocked.

NOTE: For more information about operating and programming the RS3000 security system, refer to the Owner's Guide.

PREPARATION

- 1) Confirm that all wire harness connections are secure, especially the wires attached with splicing connectors.
- 2) Reconnect the negative battery cable and verify all fuses (and shorting pins) are installed.
- 3) Confirm that the Glass Breakage Sensor Controller is adjusted according to the installation instructions.
- 4) Confirm the ignition key is out of the ignition switch.

REMOTE CONTROL ARMING/DISARMING TEST

- 1) Close the doors and hatch, verifying all are shut completely.
- 2) Press and release the Remote Control's top button. Simultaneously:
 - A) The doors lock.
 - B) The Piezo "Chirper" chirps once.
 - C) The tail and marker lights flash once.
 - D) The vehicle's interior lights turn on for three seconds, then fade out after that.¹
 - E) The vehicle's "SECURITY" LED starts flashing steadily, and the system is armed.
- 3) Press and release the Remote Control's top button again. Simultaneously:
 - A) The doors unlock.
 - B) The Piezo "Chirper" chirps twice.
 - C) The tail and marker lights flash twice.
 - D) The vehicle's interior lights turn on for thirty seconds, or until a door is opened and closed.¹
 - E) The vehicle's "SECURITY" LED stops flashing, and the system is disarmed.
- 4) Open and close the driver's door within thirty seconds of disarming the system with the Remote Control.

¹ The dome light will turn on only when it's switch is set to the "DOOR" position.

SYSTEM REARM AND DOORS RELOCK TEST

- 1) Arm and disarm the system again with the Remote Control's top button.
- 2) Wait for more than thirty seconds. Simultaneously:
 - A) The doors relock automatically.
 - B) The system rearms.
- 3) Disarm the system again using the Remote Control's top button.

DOOR AJAR WARNING/PANIC MODE CHECKS

- 1) Leave a door or the hatch open.
- 2) Press and release the Remote Control's top button. Simultaneously:
 - A) The door ajar warning is activated; the Piezo "Chirper" emits a continuous tone for up to 10 seconds or until the open entry point is closed.
- 3) Close the open entry point.
- 4) Press and hold the Remote Control's top button for more than two seconds. Simultaneously:
 - A) The doors lock, then unlock.
 - B) The Piezo "Chirper" chirps once when the doors lock, twice when they unlock.
 - C) The panic mode is activated and the horn sounds in a unique pattern.
 - D) The tail and marker lights flash in the same pattern.
 - E) The interior lights flash or light up.¹
 - F) The vehicle's "SECURITY" LED flashes in the same pattern as the horn and lights.
- 5) Press and release the Remote Control's top button again. Simultaneously:
 - A) The panic mode is deactivated and the horn stops sounding.
 - B) The tail and marker lights stop flashing.
 - C) The interior lights stop being activated.
 - D) The Piezo "Chirper" chirps twice.
 - E) The vehicle's "SECURITY" LED stops flashing.

AUTOMATIC DOOR LOCK/UNLOCK TEST

- 1) Make sure both doors are closed.
- 2) Insert the key into the ignition switch, and turn it to the "ON" position. Simultaneously:
 - A) Both doors automatically lock.
- 3) Turn the key to the "ACC" position. Simultaneously:
 - A) Both doors automatically unlock.

NOTE: This feature will operate only once (one cycle of lock/unlock) before a door is opened and closed again. The automatic door lock function will not work while a door is open. Also, the automatic door unlock function will not work if a door is opened before the ignition key is turned to "ACC" or "LOCK".

Test The System-SUPRA

RS3000

SYSTEM TRIGGERING/STARTER DISABLE TESTS

- 1) Roll down both windows, remove the Ignition key, and exit the vehicle.
- 2) Close both doors and the hatch, verifying all are shut completely.
- 3) Press and release the Remote Control's top button to arm the system.
- 4) Reach inside, unlock, and open the driver's door; the system is triggered. Simultaneously:
 - A) The horn sounds in a unique pattern.
 - B) The tail and marker lights flash in the same pattern.
 - C) The interior lights flash or turn on.¹
 - D) The vehicle's "SECURITY" LED flashes in the same pattern as the horn and lights.
 - E) The vehicle's starter is disabled.

Note: For M/T vehicles, perform the next three steps while fully depressing the clutch pedal.

- 5) Insert the key into the Ignition switch.
- 6) Turn the Ignition key past "START" once; the starter will not crank.
- 7) Turn the key back to "ACC", then past "START" again. Simultaneously:
 - A) The system is disarmed.
 - B) The horn stops sounding.
 - C) The tail and marker lights stop flashing.
 - D) The interior lights stop being activated.
 - E) The vehicle's "SECURITY" LED stops flashing.
 - F) The starter cranks and starts the engine.
- 8) Check the passenger's door and the hatch (without performing the starter disable test).
- 9) Roll up both windows, exit the vehicle, and close all of the entry points.

GLASS BREAKAGE SENSOR SENSITIVITY CHECK

- 1) Press and release the Remote Control's top button again to arm the system.
- 2) Wait two seconds.

Note: When performing this test, the system's alarm performs differently. When tapping is initially detected, the horn will sound and the lights will flash only three times. If tapping is detected again within five seconds, the alarm will sound for approximately one minute.

Warning: Use caution when performing the next step. Do not tap the window glass with too much force, or the glass may crack or break. Use extra caution when the temperature is extremely cold.

- 3) With the tip of the Ignition key (or striker tool), *softly* tap the center of the driver's door window glass.
 - A) If the alarm is triggered (horn sounds only three times), the sensitivity must be adjusted. Turn the Glass Breakage Sensor Controller's adjustment screw counterclockwise one notch, and repeat this step again.
- 4) If the alarm is not triggered, repeat the glass tapping with *moderate* force.
 - A) The alarm should sound when the glass is tapped with moderate force. If it does not sound, turn the Glass Breakage Sensor Controller's adjustment screw clockwise one notch, then repeat this step again.

COMPLETING THE INSTALLATION

- ◆ Place the Owner's Guide and Insurance Form in the glove box.
- ◆ Attach the Remote Controls to the vehicle's keys.
- ◆ Complete all of the steps listed in the vehicle function check sheet after reassembling the vehicle.

¹ The dome light will turn on only when its switch is set to the "DOOR" position.



RS Series Security Systems

The Toyota V.I.P. RS Series are deluxe, full-featured yet affordable security systems that offer peace of mind and added convenience to one's busy lifestyle. Place your mind at ease knowing that your alarm will discourage thieves with the immediate sounding of the horn at the attempt of forced entry. The remote transmitter provides effortless, keyless operation by arming/disarming the system, locking/unlocking the vehicle's doors (power-door-lock-equipped models only). The RS Series also features a soft piezo "chirp" to notify the user of the arming and disarming of the security system.*

Easier to Install

Plug-in connectors for the wire harness allow for easier and faster dealer installations.

\$2,500 Theft Deductible Warranty

If a new Toyota vehicle equipped with a Toyota V. I. P. Security System is stolen and not recovered or stolen and recovered, Toyota will pay up to \$2,500 of the customer's insurance deductible coverage. See the V. I. P. Customer Limited Warranty card for specific details.

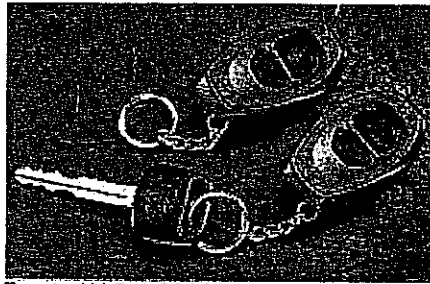
Remote Transmitters (2)

Standard are two remote transmitters that can operate the numerous functions of the RS3000/RS3200 VIP Systems. RS3000 Plus uses remote transmitters which are supplied with the factory installed keyless entry.

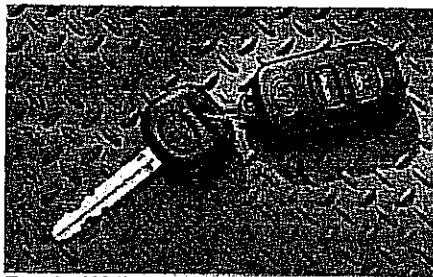
Remote Arming/Disarming

This feature allows for the instant arming and immediate triggering and sounding of your security system from forced entry through a door, trunk/hatch, or glass breakage.

**Most applications. Please consult sales person for specific details.*



Toyota V.I.P. RS3000



Toyota V.I.P. RS3200



VIP SERIES
STATUS
MONITOR

Remote Door

Locking/Unlocking

Enjoy the added convenience of unlocking or locking the vehicle's doors with just the press of a button (power door lock equipped models only).

Piezo Arm/Disarm Signal

Acknowledges the remote arming or disarming of the RS Series by emitting a soft "chirp" from piezo; one "chirp" for arm and two "chirps" for disarm.*

Glass Breakage Sensor

A microphone detects someone tapping on or breaking the vehicle's glass and instantly triggers the VIP Security System.

Remote Trunk Release

This feature can be added to the Camry and allows the RS3200 or RS3000's remote transmitter to remotely unlock the trunk (Camry only).

Starter Disable

When a VIP Security System is triggered, it disables the vehicle's starter, and prevents engine start until the system is reset (disarmed).

Additional Features

Include:

- Auto Re-Arm
- Auto Re-Lock
- Auto Door Lock



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INTRODUCTION

Congratulations on your choice of the Toyota VIP RS3000 security system to protect your vehicle. To get the most from this product, we strongly recommend that you read this owners guide completely to understand all of the features and functions of the system.

The RS3000 provides complete vehicle security through point of entry monitoring and glass breakage detection. While armed, the system is triggered when a door or the trunk (or hatch) is opened*, or when a window is tapped on or broken. When triggered, the vehicle's horn sounds and the lights, both exterior and interior, flash in a unique pattern.

Perhaps more importantly, the vehicle's starter is disabled at the same time, preventing engine start.

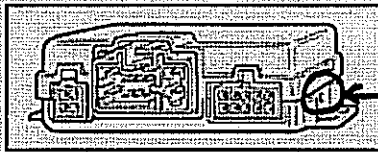
In addition to the comprehensive protection, the RS3000 provides remote control convenience, enabling you to arm and disarm the system and lock and unlock the doors without having to use a key.

The RS3000 offers you operation options, including Passive (Automatic) Arming, and Valet Mode (security features off); both of these operation modes are described in detail in this manual.

*When the system is passively (automatically) armed, there is an entrance delay that elapses when a door is opened before the system is triggered.

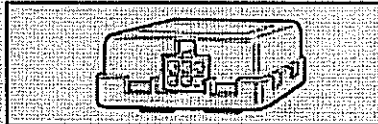
SYSTEM COMPONENTS

MAIN CONTROL UNIT (ECU)

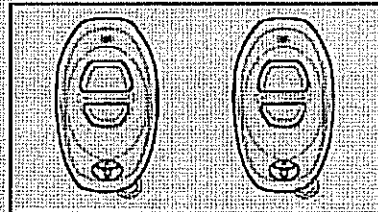


ECU
Reset Button

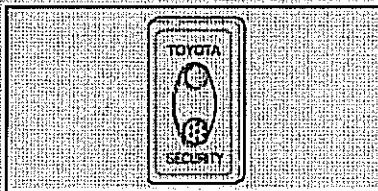
GLASS BREAKAGE SENSOR CONTROL



REMOTE CONTROL TRANSMITTERS



STATUS MONITOR



Specifications

ECU

NO	ITEM	SPECIFICATIONS
1	OPERATING VOLTAGE	DC + 12V
2	ALLOWABLE VOLTAGE	DC + 10 - +16V
3	OPERATING TEMPERATURE	-30 - +65° C -22 - +149° F
4	STORAGE TEMPERATURE	-40 - +85° C -40 - +185° F
5	-MAXIMUM OUTPUT CURRENT-	
	ECU ALONE (Disarming)	LESS THAN 15mA
	LED BLINKING	LESS THAN 50mA
	LED BLINKING / STARTER CUT ACTIVE	LESS THAN 300mA
6	ECU DIMENSIONS	104 X 102 X 32mm (Approx. 4 1/16" X 4" X 1 1/2")
7	NET WEIGHT	154g (.337lbs)
8	RECEPTION FREQUENCY	303.875MHs

9	CIRCUIT TYPE	SINGLE SUPERHETERODYNE SUPER REGENERATIVE DETECTION
10	FCC REGULATION	PART 15, SUBPART C
11	ID CODE NUMBERS	2,000,000
12	TRANSMITTING RANGE	50 FEET MAXIMUM*
*Lower transmitter range may be experienced due to various factors		

RS3000 FEATURES

FEATURES	FUNCTIONS
REMOTE ARMING / DISARMING	The RS3000 may be ARMED or DISARMED with either of the supplied REMOTE CONTROLS. If the vehicle is equipped with power locks, the doors are locked when the system is ARMED and unlocked when the system is DISARMED.
PASSIVE (AUTOMATIC ARMING)	The RS3000 may be programmed to automatically ARM and protect the vehicle 15 seconds after the ignition key is removed, the vehicle exited, and the last door or trunk hatch is closed.
PASSIVE DISARMING	The RS3000 may be DISARMED with the vehicle's ignition key when the system was PASSIVELY ARMED.
VALET MODE	The RS3000 allows the user to suspend security functions, enter and exit the vehicle without the system PASSIVE ARMING or TRIGGERING, and to use the REMOTE CONTROLS just to lock and unlock the doors. (PANIC MODE still works though)
PANIC MODE	The user may draw attention to the vehicle by depressing the top button on the REMOTE CONTROL for over 2 seconds. When this mode is activated, the lights flash and the horn sounds for 57 seconds, or until PANIC MODE is deactivated. This mode may be activated at any time.
POINT-OF-ENTRY PROTECTION	The RS3000 will TRIGGER if a door, trunk or hatch is opened while the system is ARMED. (If the system was PASSIVE ARMED, the ENTRY DELAY must pass before TRIGGERING occurs.)
GLASS BREAKAGE SENSOR	The RS3000 uses a microphone mounted in the STATUS MONITOR to sense the noise from tapping on window glass, or glass breakage, and TRIGGER the system. It is fine tuned to "listen" for this type of noise and ignore other sounds.
STATUS MONITOR	This panel houses the GLASS BREAKAGE SENSOR microphone, and the flashing LED light that indicates the operating status of the security system.
STARTER DISABLE	When the RS3000 is TRIGGERED, it disables the vehicles starter, and prevents engine start until the system is reset.
AUTOMATIC REARMING AND RE-LOCKING	The RS3000 will automatically RE-ARM, and RE-LOCK the doors after it is REMOTE DISARMED, when no door, trunk or hatch is opened within 30 seconds after disarming.
AUTOMATIC DOOR LOCKING / UNLOCKING (for vehicles equipped with power door locks)	The RS3000 is programmed to automatically LOCK all of the vehicle's doors when the ignition key is turned to "ON" or "START", and UNLOCK them when the key is turned back to the "ACC" or "LOCK".

PIEZO "CHIRPER"	This device produces a soft "chirp" sound when the RS3000 is ARMED or DISARMED. It also produces sound for the DOOR AJAR WARNING, and chirps to confirm function programming changes.
DOOR AJAR WARNING	The PEIZO "CHIRPER" emits a continuous sound for up to 10 seconds when the user attempts to REMOTE ARM the system while a door, trunk or hatch is open.
INTERIOR LIGHT ACTIVATION	The vehicle's interior lights turn on for 3 seconds after REMOTE ARMING, for 30 seconds after REMOTE DISARMING, and flash in a unique pattern while the system is TRIGGERED.
EXTERIOR LIGHT ACTIVATION	The RS3000 flashes the exterior (tail and marker) lights during PASSIVE and REMOTE ARMING, REMOTE DISARMING, and flashes them in a unique pattern when the system is TRIGGERED or in the PANIC MODE.
HORN ACTIVATION	While TRIGGERED or in PANIC MORE, the RS3000 sounds the vehicles horn in a unique pattern.
NOISE ABATEMENT	While TRIGGERED, the RS3000 sounds the vehicle's horn for 57 seconds (one cycle). It will not sound the horn for more than then consecutive cycles.
TRIGGER MEMORY	The user is notified that the RS3000 was TRIGGERED and reset. When REMOTE DISARMING, the exterior lights flash 3 times, instead of the normal 2 times. When PASSIVE DISARMING (by key), the exterior lights flash 3 times when the ignition switch is turned "ON".
POWER LOSS MEMORY	If power in the vehicle is lost while the RS3000 is ARMED, the system will trigger when power is restored.
TWO BUTTON, THREE CHANNEL REMOTE CONTROLS	Top button: Primary vehicle Bottom button: Second vehicle equipped with a 1998 model RS3000
PROGRAMMABLE REMOTE CONTROL CODES	The RS3000 REMOTE CONTROL is programmed from a pool of 2,000,000 possible transmitting code combinations, preventing generic remote control operation of your system. The RS3000 can be easily programmed to operate with up to 4 different REMOTE CONTROLS, depending on system configuration.
VEHICLE SPECIFIC INSTALLATION	The RS3000 was designed specifically for your Toyota vehicle, and is built to the same exacting standards applied to every genuine Toyota component.

INITIAL (FACTORY) FEATURE SETTINGS

PASSIVE ARMING	OFF
PIEZO CHIRPER DEFEAT	OFF
AUTOMATIC DOOR LOCKING (AT IGNITION ON)	ON

When shipped from the factory, the RS3000 system is programmed to operate with the two included REMOTE CONTROLS. Upon remote ARMING and DISARMING, the PIEZO "CHIRPER" will chirp, the exterior lights will flash, and the interior lights are turned on. The GLASS BREAKAGE SENSOR was adjusted upon installation to prevent false "alarms". When TRIGGERED, the system will flash the interior and exterior lights, and sound the vehicle's horn in a unique pattern; additionally, the vehicle's starter will be disabled. The system will reset after 57 seconds, or can be reset and DISARMED by use of a REMOTE CONTROL.

For more detailed information on the operation of this system, please refer to the "OPERATIONS" and "CONVENIENCE FEATURES" sections. For information on tailoring the operation of the RS3000 to meet your needs, refer to the "PROGRAMMING AND ADJUSTMENTS" section. We recommend, however, that you have your Toyota dealer perform these adjustments.

QUICK REFERENCE OPERATION

REMOTE ARMING AND DISARMING

To ARM the system:

Press and release the top (primary) REMOTE CONTROL button once:
The PIEZO "CHIRPER" will chirp once.
The exterior (tail/marker) lights will flash once
The interior lights will turn on for 3 seconds (as long as the dome light switch is set to the "DOOR" position).
The doors will lock (if the vehicle is equipped with power locks).

To DISARM the system:

Press and release the top REMOTE CONTROL button once again:
The PIEZO "CHIRPER" will chirp twice.
The exterior (tail/marker) lights will flash twice.
The interior lights will turn on for 30 seconds or until the doors are closed (as long as the dome light switch is set to the "DOOR" position). The doors will unlock (if the vehicle is equipped with power locks).

Note: The PIEZO OPERATION MODE is factory preset to "ON".

PANIC MODE

To activate the PANIC MODE:

Press and hold the top REMOTE CONTROL button for more than 2 seconds, until the vehicle's horn begins sounding:
The doors will lock or unlock (if the vehicle is equipped with power locks).
The horn will sound and the exterior lights will flash for 57 seconds.
To deactivate PANIC MODE, press and release the top button again.

PASSIVE (AUTOMATIC) ARMING & DISARMING

PASSIVE (automatic) ARMING is disabled when the RS3000 is shipped from the factory. To learn how to activate this feature, refer to the PROGRAMMING AND ADJUSTMENTS section.

To PASSIVE ARM the system:

Turn the ignition key to the "LOCK" position, and remove it. Exit the vehicle and close all entry points (doors, trunk or hatch).

The RS3000 will PASSIVELY (automatically) ARM 15 seconds after the last entry

point is closed. After 15 seconds elapse, the exterior lights will turn on for 2 seconds, and the PIEZO "CHIRPER" will sound.*

*The PIEZO OPERATION MODE, when set to "off", has no effect on PIEZO "CHIRPER" operation when the system is PASSIVE ARMING.

To DISARM the RS3000 after PASSIVE ARMING:

Press and release the REMOTE CONTROL's top button once.

or....

Turn the ignition key to "ON" or "START" within 15 seconds** of entering the vehicle.

**The ENTRY DELAY is factory preset to 15 seconds, and may be adjusted to 5, 15, or 30 seconds.

TRIGGERING

While armed, the RS3000 will TRIGGER when any of the following events occurs:

- Abrupt striking on the vehicle's windows
- Breaking of a vehicle's window
- Opening any of the doors*
- Opening the vehicle's trunk or hatch
- Power lost then restored while system armed.

When TRIGGERED, the RS3000 will flash the exterior and interior lights** and sound the vehicle's horn in a unique pattern for 57 seconds per triggering cycle. It will also disable the vehicle's starter until the system is DISARMED by key or REMOTE CONTROL.

To DISARM the system while TRIGGERING occurs:

Press and release the REMOTE CONTROL's top button once

or....

Insert the key into the ignition switch, and turn "ON-ACC-ON"

*When PASSIVELY ARMED, the ENTRANCE DELAY must elapse before the system is TRIGGERED.

**In some vehicles, the interior lights will not flash, but instead just light up during TRIGGERING.

OPERATIONS

The RS3000 may be ARMED and DISARMED with either of the supplied REMOTE CONTROLS. If the vehicle is equipped with power locks, the doors are locked when the system is ARMED, and unlocked when it is DISARMED. The REMOTE CONTROL's operation range will vary depending on the surroundings and the REMOTE's battery strength.

To arm the RS3000 by REMOTE CONTROL:

Remove the key from the ignition switch. Exit the vehicle, and close all entry points (doors, trunk or hatch). (The system will not arm if any of the doors, trunk or hatch is open.)

Press and release the REMOTE CONTROL's top button once:

The exterior (tail/marker) lights flash once.

The PIEZO "CHIRPER" chirps once. (The PIEZO "CHIRPER" will not sound if the PIEZO OPERATION MODE was set to "OFF")

The STATUS MONITOR's LED starts flashing.

The vehicle's interior lights turn on for 3 seconds (as long as the dome light switch is set to the "DOOR" position).

The vehicle's doors are locked. (The vehicle must be equipped with power locks)

NOTE: The PIEZO "CHIRPER" will emit a continuous sound for up to 10 seconds if you attempt to REMOTE ARM the system while a door, trunk, or hatch is open. (See DOOR AJAR WARNING in the CONVENIENCE FEATURES section.)

To disarm the RS3000 by REMOTE CONTROL:

Press and release the REMOTE CONTROL's top bottom once:

The exterior lights (tail/marker) flash twice

The PIEZO "CHIRPER" chirps twice. (The PIEZO "CHIRPER" will not sound if the PIEZO OPERATION MODE was set to "OFF".)

The STATUS Monitor's LED stops flashing.

The vehicle's interior lights turn on for 30 second, or until the doors are closed (as long as the dome light switch is set to the "DOOR" position.)

The vehicle's doors are unlocked (The vehicle must be equipped with power locks.)

NOTE: Should the exterior lights flash 3 times when the system is DISARMED by REMOTE, the TRIGGER MEMORY was activated; the system was TRIGGERED and reset while you were away from the vehicle. Pressing the REMOTE CONTROL's button for more than two seconds will activate the PANIC MODE.

PANIC MODE

The RS3000 PANIC MODE can be activated at any time (even while driving) when the user is confronted with a threatening situation. During PANIC MODE, the doors are locked or unlocked (depending on the prior condition of the locks),* the exterior lights are flashed and the horn sounds to draw attention to the vehicle.

To activate the PANIC MODE:

Press and hold the REMOTE CONTROL's top button for more than 2 seconds.

The REMOTE CONTROL's LED will flash rapidly.

The doors will lock or unlock*
The vehicle's horn will sound, and the exterior lights will flash for 57 seconds or until PANIC MODE is deactivated.

To deactivate the PANIC MODE:

Press and release the REMOTE CONTROL's top button once.

Or

Insert the key into the ignition switch, and turn in "ON-ACC-ON".

The horn stops sounding, and the exterior lights stop flashing.

*The vehicle must be equipped with power locks. The doors will unlock, then lock if they were locked before the PANIC MODE was activated. If the doors were unlocked before the PANIC MODE is activated, they will be locked, then unlocked again.

AUTOMATIC REARMING AND RE-LOCKING

The RS3000 will automatically REARM, and RE-LOCK the vehicle's doors if no entry point (door, trunk or hatch) is opened within 30 seconds after DISARMING the system by REMOTE CONTROL, or if the key is inserted into the ignition switch.

VALET MODE

The RS3000 may be programmed to temporarily suspend the system's security features.* The VALET MODE enables you to enter and exit your vehicle without the system ARMING or TRIGGERING, but still allows you to use the REMOTE CONTROLS to lock and unlock the doors. For information on programming the RS3000 to operate in this mode, see the PROGRAMMING AND ADJUSTMENTS section.

*The PANIC MODE feature will still operate when the VALET MODE is selected.

PASSIVE (AUTOMATIC) ARMING & DISARMING

The RS3000 may be programmed to automatically ARM itself 15 seconds after the ignition key is turned off and removed, the vehicle is exited, and the last point of entry (door, trunk or hatch) is closed.

NOTE: The factory preset operation of this system is PASSIVE ARMING "OFF". If you would like to change the PASSIVE ARMING function to "ON", refer to the PROGRAMMING AND ADJUSTMENTS section for instructions.

To start the AUTOMATIC ARMING process:

Remove the key from the ignition switch.

Exit the vehicle, and close all entry points (doors, trunk or hatch).

The EXIT DELAY begins:

The STATUS Monitor's LED lights steadily for 15 seconds.

The EXIT DELAY ends:

The exterior lights light for 2 seconds.

The PIEZO "CHIRPER" sounds for 2 seconds.

The STATUS Monitor's LED begins flashing.

The system is now PASSIVELY ARMED. Should any door, trunk or hatch be opened

during the 15 second EXIT DELAY, the PASSIVE ARMING process will be temporarily suspended until the open entry point is closed.

IMPORTANT INFORMATION: The vehicle's doors are not locked automatically by the RS3000 during the PASSIVE ARMING process; please remember to lock your vehicle's doors by key, or manually, when you do not use the REMOTE CONTROL.

To DISARM with the ignition key (after PASSIVE ARMING the system)

Enter the vehicle through a front door.

The ENTRY DELAY begins:

The STATUS Monitor's LED flashes quickly.

Insert the key into the ignition switch, and turn it to the "ON" position before the ENTRY DELAY ends*.

The LED stops flashing

The system is now DISARMED.

NOTE: If the exterior lights flash 3 times, and the engine does not start the first time when the ignition key is turned to "START", the TRIGGER MEMORY was activated. The system was TRIGGERED and reset while you were away from the vehicle.

*The ENTRY DELAY is factory preset to 15 seconds, and may be adjusted to 5, 15, or 30 seconds. If the ENTRY DELAY ends before the ignition switch is turned on, the system will be TRIGGERED. To DISARM the system while it is TRIGGERED, insert the ignition key, and turn it "ON-ACC-ON", or press and release the REMOTE CONTROL's top button once.

SECURITY MODE TRIGGERING

While ARMED, the RS3000 will TRIGGER (vehicle's horn sounding, exterior lights flashing, and starter disabled) when any of the following events occurs:

Abrupt striking on the vehicle's window(s)*

Breaking of a vehicle's window*

Opening any of the doors**

Opening the vehicle's trunk or hatch

Power list then restored while the system is ARMED.

When TRIGGERED, the RS3000 will flash the exterior and interior lights*** and sound the vehicle's horn in a unique pattern for 57 seconds per TRIGGERING cycle.

It will also disable the vehicle's starter until the system is DISARMED by key or REMOTE CONTROL

To DISARM the system while TRIGGERING occurs:

Press and release the REMOTE CONTROL's top button once.

Or

Insert the ignition key, and turn it to "ON-ACC-ON".

*The GLASS BREAKAGE SENSOR TRIGGERS the system in two ways: When the sound of tapping, or breaking glass is detected, the system will first activate the

vehicle's horn and exterior lights for 20 seconds as a warning; the vehicle's starter is not disabled. If the glass is tapped on or broken within 5 seconds of the first detection, the system will TRIGGER for 57 seconds; the vehicle's starter is disabled.

**When PASSIVELY ARMED, the ENTRANCE DELAY (factory set to 15 seconds) must elapse before the system will TRIGGER when a door is opened.

***In some vehicles, the interior lights will not flash, but instead just light up during TRIGGERING.

CONVENIENCE FEATURES

AUTOMATIC DOOR LOCKING / UNLOCKING

The RS3000 is programmed to automatically lock your doors when the ignition switch is turned to "ON" or "START", and unlock them when the ignition switch is turned to "LOCK" or "ACC". This feature will operate only once (AUTOMATIC LOCK then AUTOMATIC UNLOCK) before a door is opened and closed again. The AUTOMATIC LOCKING feature will not work while a door is open.

NOTE: The factory preset operation of this feature is AUTO DOOR LOCK / UNLOCK "ON". If you would like it changed to "OFF", refer to the PROGRAMMING AND ADJUSTMENTS section.

INTERIOR LIGHT ACTIVATION

When REMOTE ARMED, the RS3000 turns on the vehicle's interior lights for 3 seconds; when PASSIVE ARMED, the interior lights are turned on for 3 seconds after the EXIT DELAY elapses. When REMOTE DISARMING, the interior lights are turned on for 30 seconds*, allowing you to easily see inside your vehicle at night before entering. During TRIGGERING, the interior lights are flashed**.

*Or until the doors are closed.

**In some vehicles, the interior lights will not flash, but instead just light up during TRIGGERING.

WARNING FEATURES

DOOR AJAR WARNING

When using a REMOTE CONTROL to ARM the RS3000, the PIEZO "CHIRPER" will emit a continuous sound for up to 10 seconds if a door, trunk (or hatch) was left open; the system will not ARM. After closing the open door, or trunk (or hatch), the REMOTE CONTROL button must be pressed again to ARM the system.

TRIGGER MEMORY

The RS3000 alerts you upon DISARMING the system, that an intrusion attempt was made on your vehicle while you were away, and that the system was TRIGGERED.

TRIGGER MEMORY operation when REMOTE DISARMING:

Press and release the REMOTE CONTROL's top button once.

The doors unlock. (The vehicle must be equipped with power locks)

The interior lights turn on for 30 seconds.
The exterior lights flash 3 times.

TRIGGER MEMORY operation when DISARMING by key:

Open the door, and sit in the drivers seat.

The ENTRANCE DELAY begins

The STATUS Monitor's LED flashes rapidly.

Insert the key into the ignition switch, and turn it to "START"

The exterior lights flash 3 times.

The starter will not start, because the STARTER DISABLE function is still active.

Turn the ignition key back to "OFF", then "START" again.

The STARTER DISABLE feature is deactivated.

The engine starts.

POWER LOSS MEMORY

If power to the RS3000 ECU (computer) is lost while the system is ARMED, the system goes to "sleep"; when power is restored, the system TRIGGERS immediately.

MISCELLANEOUS

REMOTE CONTROL RANGE

The maximum range for the RS3000's REMOTE CONTROLS is 50 feet. However, several factors that may affect your REMOTE CONTROL's actual performance, include, but are not limited to:

--The REMOTE CONTROL battery's strength* (weak battery = decreased performance)

--Your position relative to the vehicle (dependent on the system's antenna wire location)

--Objects in the path between you and your vehicle

--Your surroundings (in a parking structure, out in the open, etc.)

--Outside electrical interference caused by high tension power lines, etc.

*As the REMOTE CONTROL's battery becomes weaker, the LED indicator becomes dimmer. When you notice the LED becoming dimmer, you should replace the battery.

STATUS Monitor's LED OPERATION

LED CONDITION	CURRENT OPERATION
OFF	System inactive. Maybe DISARMED, or in VALET mode.
ON, not flashing	PASSIVE ARMING EXIT DELAY
Slow flashing	System is ARMED
Quick flashing	PASSIVE ARMING ENTRY DELAY
5 very quick flashes when ignition switch	System is in VALET MODE

turned to "ON" (or "START"), or to "LOCK"

This table does not cover the LED condition when programming and adjusting functions. For more information, see the PROGRAMMING AND ADJUSTMENTS section.

NOISE ABATEMENT

In many areas, there are regulations concerning the duration of a vehicle's security system TRIGGERING (horn sounding) before the vehicle is towed, or ticketed. The RS3000 was designed with these regulations in mind.

If the system is TRIGGERED by the opening of a door or trunk (or hatch), the TRIGGER duration is 57 seconds. At the end of this period, the system will reset.

If the system is TRIGGERED by the GLASS BREAKAGE SENSOR sensing that the sound of tapping or breaking of glass, the initial TRIGGER duration is 20 seconds. If the GLASS BREAKAGE SENSOR senses tapping or breaking of the glass again within 5 seconds, the system will TRIGGER for 57 seconds before resetting.

The system can be TRIGGERED a total of 10 times (57 second cycles, for a total of 9 1/2 minutes) before the horn will not sound any more (until the system is DISARMED). The STARTER DISABLE function continues to operate after the 10 triggering cycles, until the system is DISARMED and reset.

PROGRAMMING AND ADJUSTMENTS

PASSIVE (AUTOMATIC) ARMING, AND VALET MODE

The PASSIVE (AUTOMATIC) ARMING and VALET MODE functions are factory set to OFF. When the system is programmed for PASSIVE ARMING operation, the ENTRY DELAY is factory set to 15 seconds. When the system is set to VALET MODE, the security functions are disabled.

To select an operating mode, follow the steps below:

- 1) Insert the key into the ignition switch, and turn it to "ON", (NOT "ACC")
- 2) Using 1 REMOTE CONTROL, press and hold both buttons (at the same time) for over 2 seconds, until the STATUS Monitor's LED turns on.

--YOU MUST PERFORM THE NEXT STEPS WITHIN 30 SECONDS--

- 3) Select the operating mode. (Follow this procedure as written, regardless of the current mode.)

MODE	PROGRAMMING STEP	PROGRAMMING COMPLETION
PASSIVE (AUTOMATIC) ARMING ON	Press and release the TOP REMOTE CONTROL BUTTON ONCE . (The PIEZO "CHIRPER" chirps once, and the exterior lights	Turn the ignition switch to the "LOCK*" position. (The PIEZO "CHIRPER" chirps three times, and the exterior lights flash 3 times.)

	flash once.)	
PASSIVE (AUTOMATIC) ARMING OFF	Press and release the TOP REMOTE CONTROL BUTTON TWICE . (The PIEZO "CHIRPER" chirps twice, and the exterior lights flash twice.)	Turn the ignition switch to the "LOCK*" position. (The PIEZO "CHIRPER" chirps three times, and the exterior lights flash 3 times.)
VALET MODE ON (No Security Functions)	Press and release the TOP REMOTE CONTROL BUTTON THREE TIMES . (The PIEZO "CHIRPER" chirps once and the exterior lights flash once for .6 second.)	Turn the ignition switch to the "LOCK*" position. (The PIEZO "CHIRPER" chirps three times, and the exterior lights flash 3 times.)
*If you do not turn the ignition key to "LOCK", or exceed 30 seconds during the programming steps, the STATUS Monitor's LED will turn off, and the previous operation mode will remain unchanged.		

PIEZO OPERATION MODE

One of the first things that I did was to turn off the annoying "beep" that would happen every time I locked or unlocked the truck. To turn this feature on or off, follow these directions:

The factory setting for the PIEZO operation mode is ON. When set to "OFF", only operation during REMOTE ARMING & DISARMING is affected.

- 1: Insert the key into the ignition and turn it to on (not acc).
- 2: Using one remote control, press and hold both buttons at the same time for over 2 seconds, until the status monitor's LED turns on.

*****You must perform the next steps within 30 seconds*****

To turn the piezo off: Press and release the bottom remote control button once. The piezo chirper chirps once, and the exterior lights flash once. Turn the ignition switch to the lock position. The piezo chirper chirps 3 times, and the exterior lights flash 3 times.

To turn the piezo on: Press and release the bottom remote control button twice. The piezo chirper chirps twice, and the exterior lights flash twice. Turn the ignition switch to the lock position. The piezo chirper chirps 3 times, and the exterior lights flash 3 times.

If you do not turn the ignition key to lock, or exceed 30 seconds during the programming steps, the status monitor's LED will turn off and the previous operation mode will remain.

ENTRY DELAY TIME SECTION

From the factory, the entry delay time is set to 15 seconds.
To adjust the ENTRY DELAY time, follow the steps below:

1: Sit in the drivers seat with all doors and the trunk (or hatch) closed.

2: Insert the key into the ignition switch and turn it to on (not acc) 5 times (on-lock, on-lock, on-lock, on-lock, on) within a 10 second period. The status monitor's LED turns on, and the piezo chirper sounds once.

*****You must perform the next steps within 30 seconds*****

5 second delay: Open and close the drivers door once. Turn the ignition switch to the lock position. The piezo chirper chirps once and the exterior lights flash once.

15 Second delay: Open and close the drivers door twice. Turn the ignition switch to the lock position. The piezo chirper chirps twice and the exterior lights flash twice.

30 second delay: Open and close the drivers door three times. Turn the ignition switch to the lock position. The piezo chirper chirps three times and the exterior lights flash three times.

If you do not turn the ignition key to lock, or exceed 30 seconds during the programming steps, the status monitor's LED will turn off and the previous operation mode will remain.

Automatic Door Locking / Unlocking Function:

The factory setting for the automatic door locking and unlocking function is on.

1: Sit in the drivers seat with the drivers door open.

2: Insert the key into the ignition switch and turn it to on (not acc) 5 times (on-lock, on-lock, on-lock, on-lock, on) within a 10 second period. The status monitors LED turns on, and the piezo chirper sounds once.

*****You must perform the next steps within 30 seconds*****

Select the operating mode:

Automatic door locking and unlocking on: Close the drivers door. Turn the ignition switch to the lock position. The piezo chirper sounds once, and the exterior lights flash once.

Automatic door locking and unlocking off: Close the drivers door once, then open and close it one more time. Turn the ignition switch to the lock position. The piezo chirper sounds twice, and the exterior lights flash twice.

If you do not turn the ignition key to lock, or exceed 30 seconds during the programming steps, the status monitor's LED will turn off and the previous operation mode will remain.

Remote Control Programming

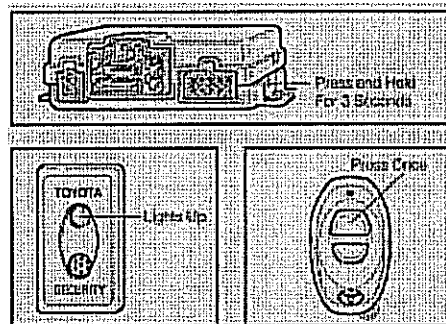
The RS3000 ECU can be programmed to be operated by as many as 4 remote controls. Additionally, the provided remote controls top and bottom buttons may be assigned to operate another 1998 or 1999 model vehicles RS3000 security system, and both buttons can be programmed to operate the system in one vehicle. To add or delete a remote control, you must access the RS3000 ECU (computer), location

varies by vehicle and model.

To program (add) a remote control to the system:

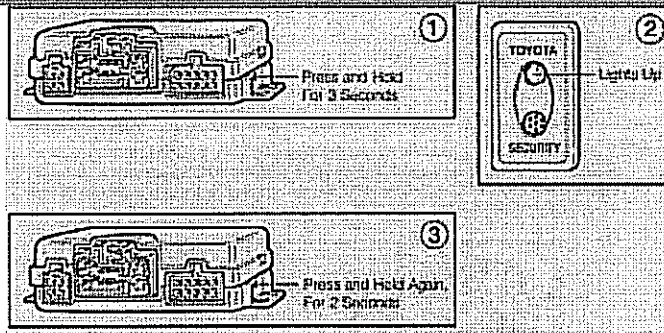
- 1: Insert the key into the ignition switch and turn it to on.
- 2: Press and hold the ECU's programming switch for 3 seconds. The status monitors LED turns on for 5 seconds.
You must perform the next step within 5 seconds
- 3: Press and release a remote controls top or bottom button. Either button on your remote control can be programmed to operate the RS3000. The status monitors LED turns off. The piezo chirper chirps once. The exterior lights flash once.
- 4: Turn off the ignition. The ECU will now operate with the remote control just programmed.

Note: The factory preset operation is for the top button on both remote controls to operate your system; the bottom button is not programmed. To prevent accidental erasure of a remote controls code, we recommend that you program all your remote controls at the same time.



To erase all remote control codes from the system:

- 1: Insert key into the ignition switch, and turn it to on.
- 2: Press and hold the ECU programming switch for 3 seconds. The status monitors LED turns on for 5 seconds.
You must perform the next step within 5 seconds
- 3: Press and hold the ECUs programming switch for over 2 seconds again. The status monitors LED turns off, then flashes 3 times. The piezo chirper chirps 3 times and the exterior lights flash 3 times.
- 4: Turn off the ignition. The ECU has cleared all remote control codes. Until another remote control is programmed, the system will not work with any remote control.



Glass Breakage Sensor Sensitivity Adjustment

The following procedure is listed for information purposes. Contact the service department at your Toyota dealer to set up an appointment to have them make any necessary adjustments to the Glass Breakage Sensor.

(That is what the manual says!)

- 1: Locate the glass breakage sensor controller in the vehicle. (Location varies by vehicle and vehicle model) Disassemble the vehicle as necessary to access the controller.
- 2: Verify the system is in the passive arming on or off mode, not valet mode. Program as necessary.

NOTE: Before adjusting the glass breakage sensor's sensitivity, confirm that it was adjusted to the vehicle specific, predetermined level for the vehicle. You may find the proper setting level in the installation instructions for this system. *(I do not have the installation instructions.)*

To test the glass breakage sensor sensitivity:

- 1: Close all doors, windows, and the trunk or hatch.
- 2: Arm the system with the remote control.
- 3: With the tip of the ignition key, tap the center of the drivers door window with moderate force (from outside the vehicle). The RS3000 should be triggered and the alarm sound for 20 seconds. *Obviously, daunt tap so hard as to break or chip the window!*

If the system does not trigger, the sensitivity may be too low. Tap the drivers door window again with slightly more force. If the system still does not trigger, the sensitivity should be adjusted. Also, the system should not trigger when the drivers door glass is tapped with light force. If this is the case, the sensitivity should be adjusted.

To adjust the glass breakage sensor sensitivity:

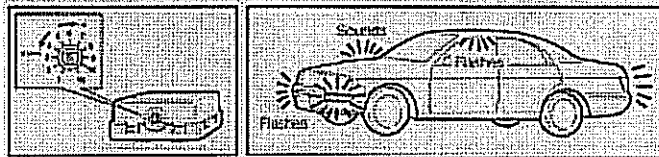
- 1: Turn the glass breakage sensor controller adjustment screw on "click" up to

increase sensitivity or one click down to decrease sensitivity.

2: Re-check the sensitivity as described above.

3: Repeat the previous two steps until the desired results are achieved.

NOTE: Too high of a sensitivity level will result in false alarms; the RS3000 may trigger for no apparent reason.



Remote Control Battery Replacement

When the operating range of the remote control diminishes and/or the LED on the remote control has become weak or dim, battery replacement is required. You may obtain a replacement battery for your Toyota dealer or purchase one from a drug store etc.. **The battery type is a Lithium CR2025.** We recommend replacing the batteries in your remote controls once a year to maintain optimum operating range.

Precautions: Always handle the battery using a dry cloth. Do not handle a battery with bare hands; body oils may interfere with the contacts and cause a malfunction.

The expected battery life (with normal usage) is 1 year. The life of the batteries in the supplied remote controls may be shorter than 1 year. *(As of the time of writing this, the batteries in my remote controls are just over 3 years old, and are still working fine.)*

Battery Replacement

1: Remove the screw securing the two halves of the remote control case.

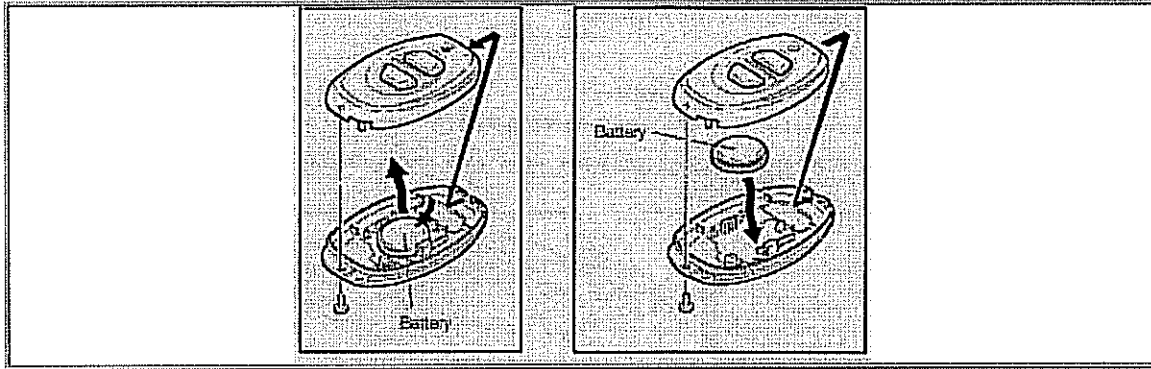
2: Remove the back cover

3: Remove the old battery, using caution to not bend the battery contacts.

4: Insert the new battery, positive (+) side down.

5: Reassemble the case, and test the remote control.

NOTE: Replacing the remote controls battery will not erase the remote controls code from the ECU (computer).



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8-10-2004



**Programming
Procedure**

AUTOMATIC (IGNITION-CONTROLLED) DOOR LOCKING/UNLOCKING FUNCTION

The factory setting for the Automatic Door Locking/Unlocking Function is "ON".

To change this feature's operation, follow the steps below:

1. Sit in the driver's seat with driver's door open.
2. Insert the key into the ignition switch, and turn it to "ON" position (not "ACC") 5 times (ON > LOCK > ON > LOCK > ON > LOCK > ON > LOCK > ON) within a 10 second period.

System Response: The STATUS MONITOR's LED turns on, and the PIEZO BUZZER sounds once.

NOTE:

You must perform the next steps within 30 seconds.

3. Select the customer's preferred operating mode.

Mode	Programming Step	Programming Completion
AUTOMATIC DOOR LOCKING/UNLOCKING "ON"	Close the driver's door.	Turn the ignition switch to the "LOCK" position. System Response: The PIEZO BUZZER sounds once, and the exterior lights flash once.
AUTOMATIC DOOR LOCKING/UNLOCKING "OFF"	Close the driver's door, then open and close it one more time.	Turn the ignition switch to the "LOCK" position. System Response: The PIEZO BUZZER sounds twice, and the exterior lights flash twice.

Possible UPDATE for Changing Locking Function