

VEHICLE THEFT SECURITY SYSTEM

CONTENTS

	page		page
GENERAL INFORMATION	1	SYSTEM SELF-TESTS	2
SECURITY SYSTEM DOOR SWITCH REPLACEMENT	4	VEHICLE THEFT SECURITY SYSTEM MODULE REPLACEMENT	2
SECURITY SYSTEM HOOD SWITCH REPLACEMENT	4	WHAT WILL TRIGGER THE SYSTEM	2

GENERAL INFORMATION

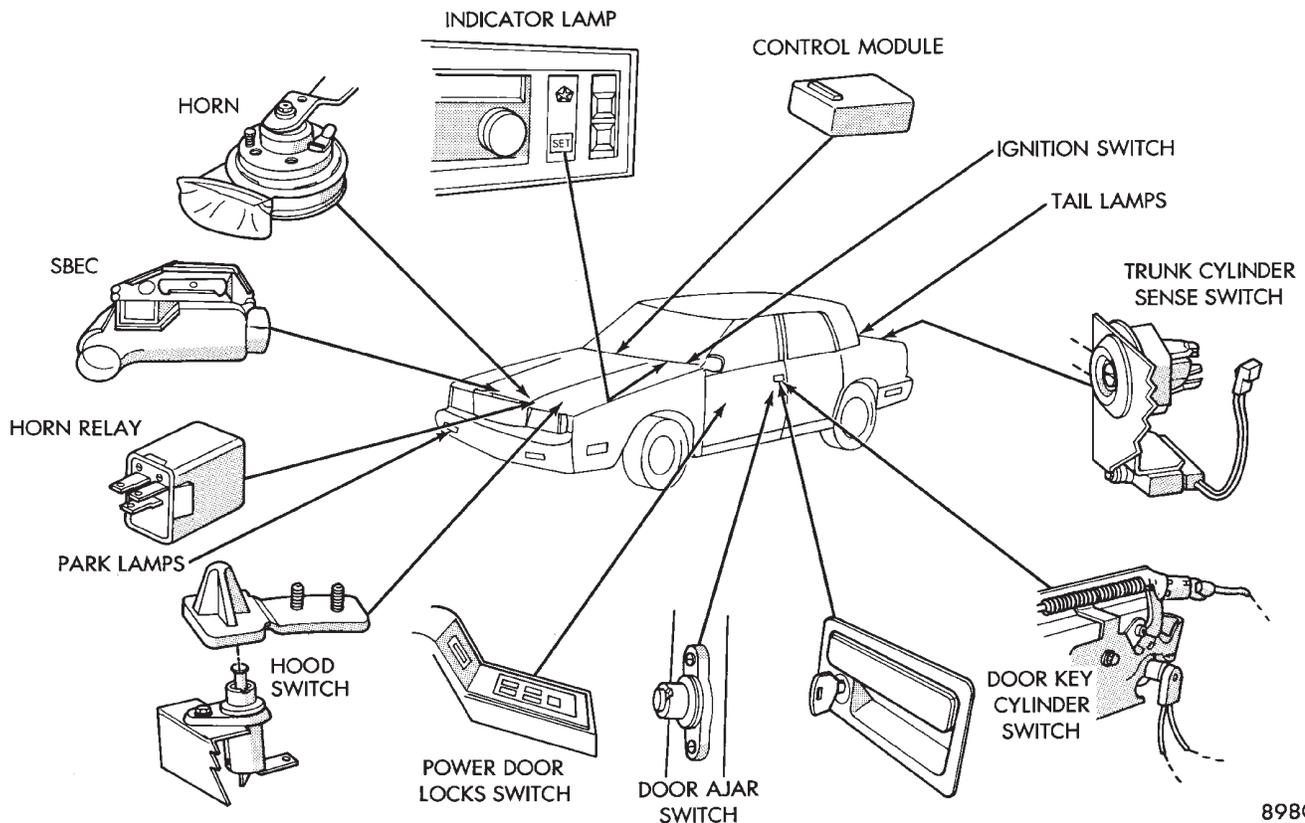
JUMP-STARTING, VEHICLE EQUIPPED WITH THEFT SECURITY SYSTEM. After the booster battery has been connected, the Theft System must be turned OFF. Using the key, lock then unlock either front door. This turns the Theft System OFF and the remainder of the Jump-Starting procedure can be followed.

If this procedure is not followed, the Theft System electronics will prevent the engine from starting.

If a new Engine Controller is installed, the engine has to be cranked 20 times before the alarm system activated.

This passive system is designed to protect against whole vehicle theft. The system monitors vehicle doors, hood, trunk key cylinder, and ignition action for unauthorized operation. The alarm activates by sounding the horn, flashing the park and tail lamps, and providing an engine kill feature (Fig. 1).

Passive arming occurs upon normal vehicle exit, open door, lock with power locks, close door. The SET lamp in the panel will flash for 15 seconds, indicating that arming is in progress. If no monitored systems are activated during this period, the system will arm. If the hood or trunk key cylinder switches are not sensed by the system. The SET lamp will remain lit during the arming process, although the sys-



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Fig. 1 Vehicle Theft Security System Components

tem will still arm. The system is to be considered as an active armed system when using the Remote Keyless Entry. If the SET lamp does not illuminate at all upon door closing it indicates that the system is not arming.

Passive disarming occurs upon normal vehicle entry unlocking either door with the key, or unlocking using the Remote Keyless transmitter. This disarming will also halt the alarm once it has been activated.

Whenever the battery is disconnected and reconnected, the Vehicle Theft Security System enters power up alarm mode which flashes the park and tail lamps and prevents the engine from running. To exit this mode, the system must be disarmed as mentioned above.

A tamper alert exists to notify the driver that the alarm had been activated, and the alarm has since timed-out for more than 18 minutes. This alert consists of 3 horn pulses when the vehicle is disarmed.

The alarm system will not arm if the doors are manually locked, providing a manual override of the alarm.

WHAT WILL TRIGGER THE SYSTEM

One of the following actions will trigger the system while it is armed. Without properly disarming system, by using the key or the remote transmitter.

- (1) Opening the HOOD.
- (2) Opening any DOOR.
- (3) Removing the TRUNK KEY CYLINDER.
- (4) Turning the IGNITION ON.
- (5) The ignition switch can be turned to the accessory position without triggering alarm system.

SYSTEM SELF-TESTS

A diagnostics mode is available in the system to verify operation of all monitored switches or circuits. To enter diagnostics, cycle the ignition key to the accessory position 3 times, leaving the key in this position.

Upon entering diagnostics, the park and tail lamps will begin flashing to verify their operation. In addition, the horn will sound twice to indicate that the trunk key cylinder is in its proper position. Returning the ignition to the OFF position will stop the lamps from flashing while keeping the system in diagnostics.

While in diagnostics mode, a horn pulse should occur at each of the following events indicating proper operation:

- (1) Beginning with all doors closed, open then close each door. The horn will sound when the door ajar switch closes, and then again when the switch opens. There must be a 1 second delay between closing and opening the switch.

- (2) Open, then close the hood. The horn will sound when the hood is opened, and again when it is closed.

- (3) Activate the power door locks in both the LOCK and UNLOCK directions. The horn will sound after each activation.

- (4) Rotate the key in each of the door lock cylinders to the unlock position. The horn will sound as the switch closes, and again when it opens. There must be a 1 second delay between changing switch states, or the horn will not sound.

- Press the LOCK button, horn will sound.
- Press the UNLOCK button, horn will sound.

- (5) Cycle the key to the ignition RUN position. A single horn pulse will indicate proper operation of the ignition input. This will also take the module out of the diagnostics mode. For any of these tests, if the switch does not remain open or closed for at least 1 second, the horn will only sound once.

The lack of a horn pulse, during any operation, indicates a switch failure. Check for continuity at the switch, if this is good, check for an open or shorted wire between the switch and alarm module. Also, check if a new engine controller has been installed recently. Vehicle Theft Security System will not function until 20 engine cranks.

Whenever a Vehicle Theft Security System malfunction occurs, first verify that the wire harness is properly connected to all connectors before starting normal diagnosis and repair procedures. Refer to Vehicle Theft Security System Diagnosis Chart (Fig. 3).

VEHICLE THEFT SECURITY SYSTEM MODULE REPLACEMENT

If the Vehicle Theft Security System module is being removed and no replacement module is being installed, the module wiring must be disconnected while the engine is running. Failure to do so will cause a no-start condition (Fig. 3 and 4).

- (1) Remove lower right instrument panel silencer.
- (2) Remove glove box assembly.
- (3) Remove three attaching screws mounting the bracket to instrument panel.
- (4) Lower bracket and module assembly, to disconnect wire connectors.
- (5) Remove the Remote keyless module so to have access to the Security Module two screws attaching module to bracket.
- (6) For installation reverse above procedures.

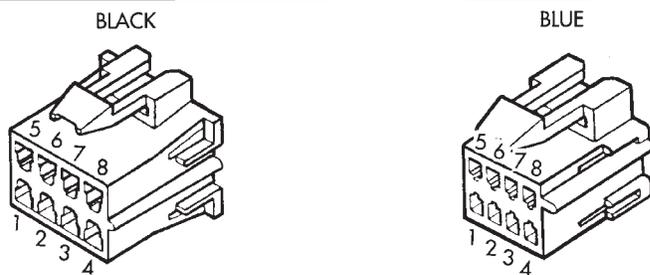
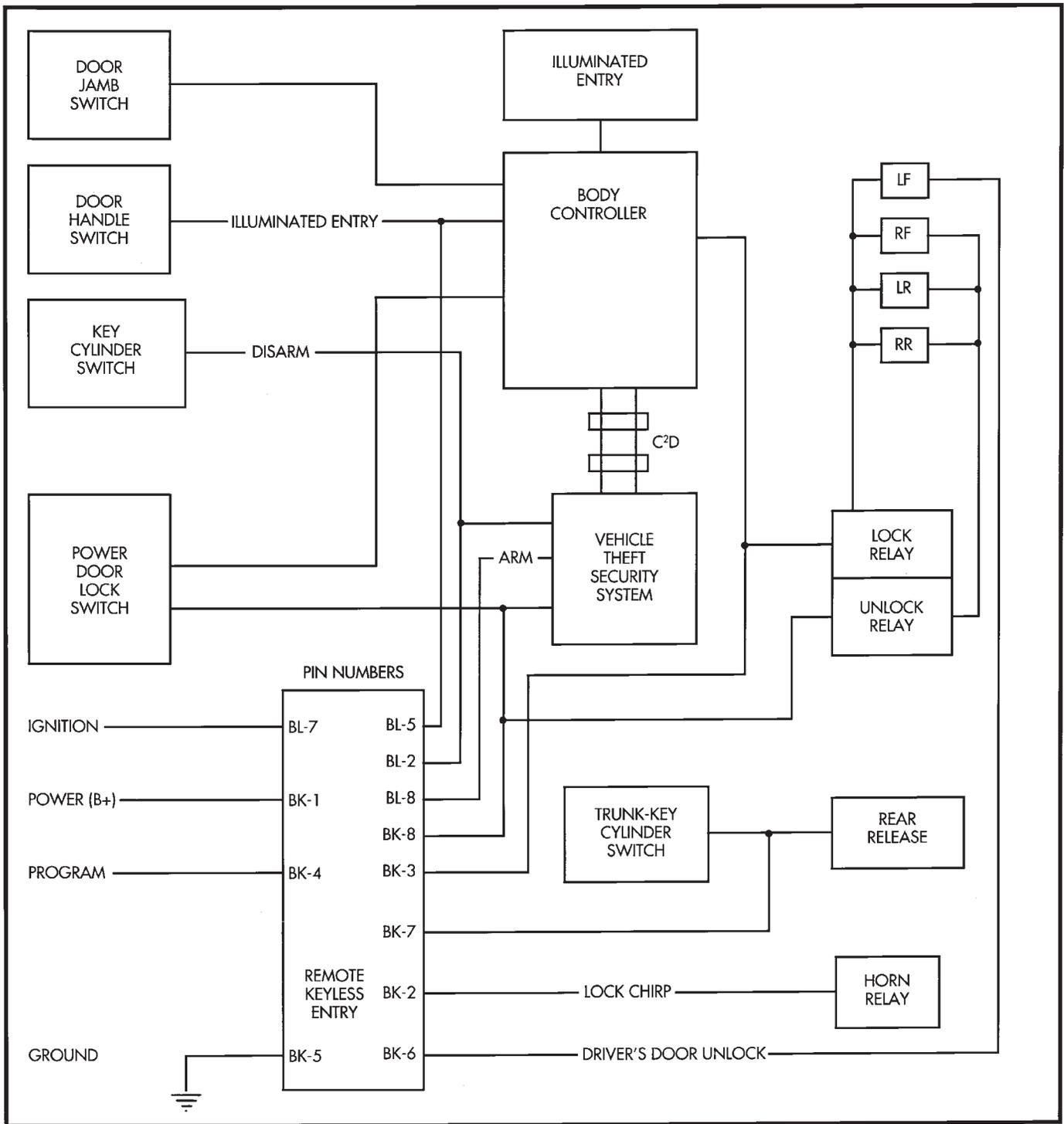


Fig. 2 Vehicle Theft Security System Diagnosis

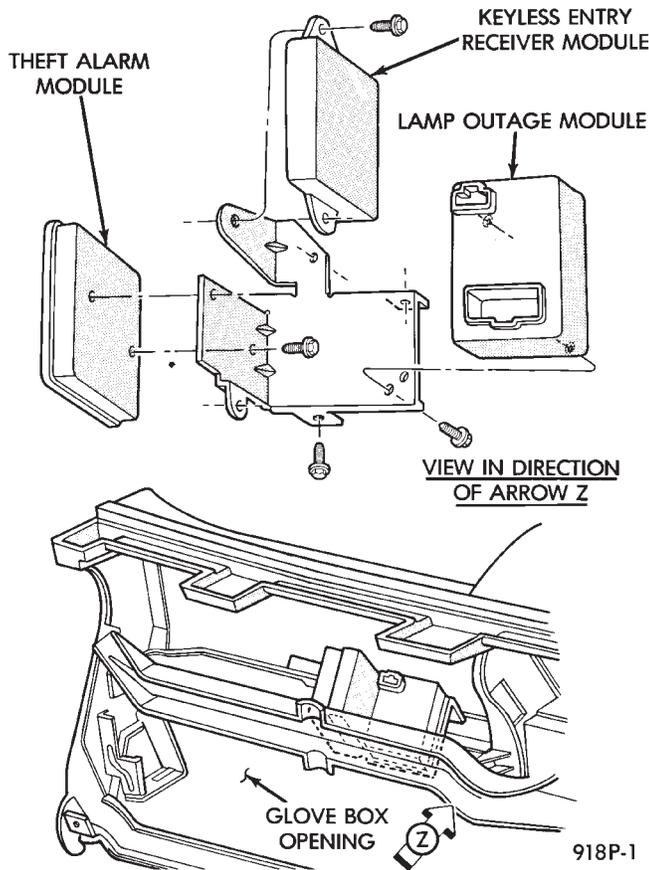


Fig. 3 Vehicle Theft Security System Module – AC and AY Bodies

SECURITY SYSTEM HOOD SWITCH REPLACEMENT

- (1) Remove screw from left inner fender (Fig. 5).
- (2) Disconnect wiring.
- (3) Remove switch.
- (4) For installation reverse above procedures.

SECURITY SYSTEM DOOR SWITCH REPLACEMENT

- (1) Remove door trim panel and water shield. Refer to Group 23, Body.
- (2) Remove illuminated entry switch wiring clip (Fig. 6).
- (3) Remove disarming switch from door handle.
- (4) For installation reverse above procedures.

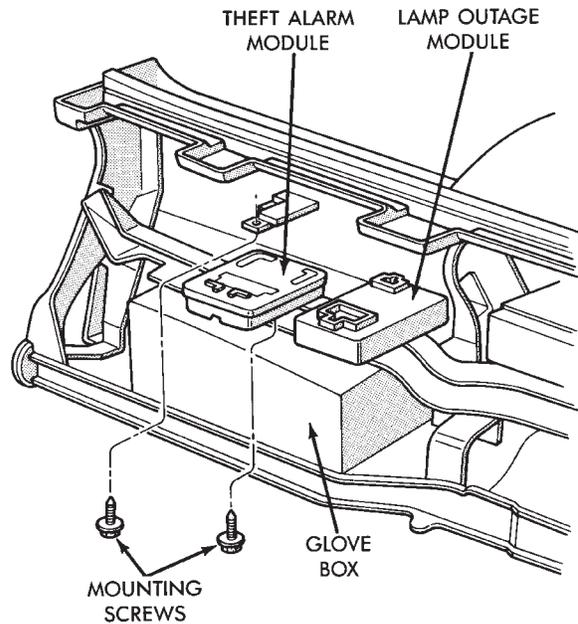


Fig. 4 Vehicle Theft Security System Module – AG and AJ Bodies

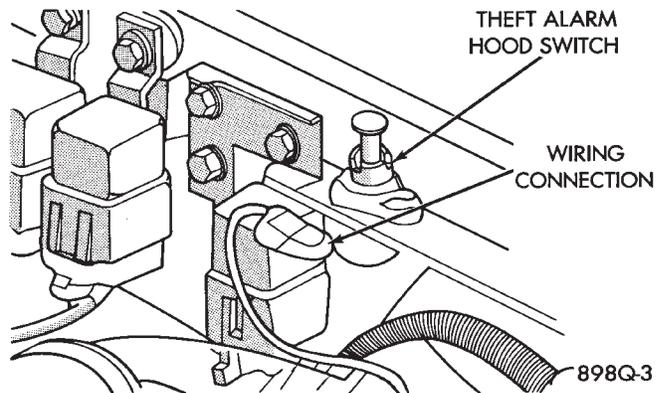


Fig. 5 Hood Switch

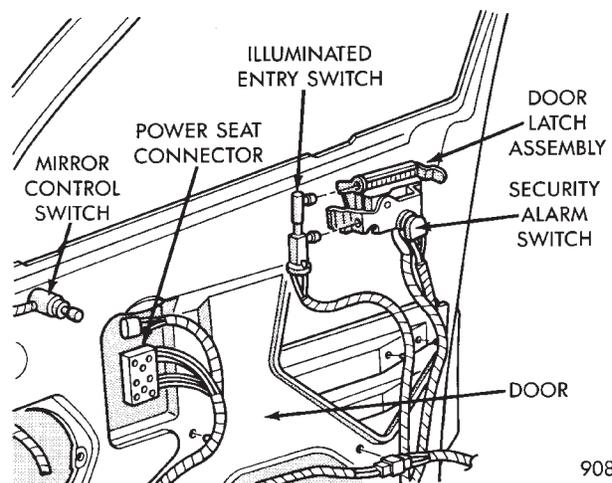


Fig. 6 Door Switch (Typical)