



JAGUAR

XJ-S
MODEL YEAR

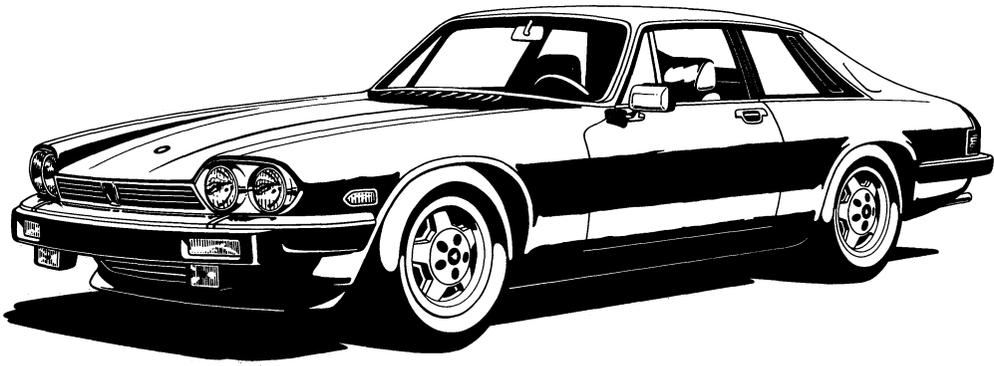
U P D A T E

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XJ-S



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INTRODUCTION	1
1988 XJ-S MODEL YEAR FEATURES	3-9
1988 XJ-S SYSTEMS DESCRIPTION	
PASSIVE RESTRAINT SEAT BELT SYSTEM	11-17
FRONT SEATS: HEATERS AND POWER LUMBAR SUPPORTS	18-19
HEATED REAR VIEW MIRRORS	20
HEATED WINDSHIELD WASHER JETS	21
FRONT FOG LIGHTS	22
WIRING HARNESS AND FUSES	23-25
IDLE STABILIZATION MODIFICATIONS	27-29



For 1988, the XJ-S incorporates improvements for safety, convenience, and reliability. Except for the idle stabilization modifications, the improvements listed in this publication will be found in vehicles starting with VIN 139052. Idle stabilization modifications were incorporated from VIN 133461 on.

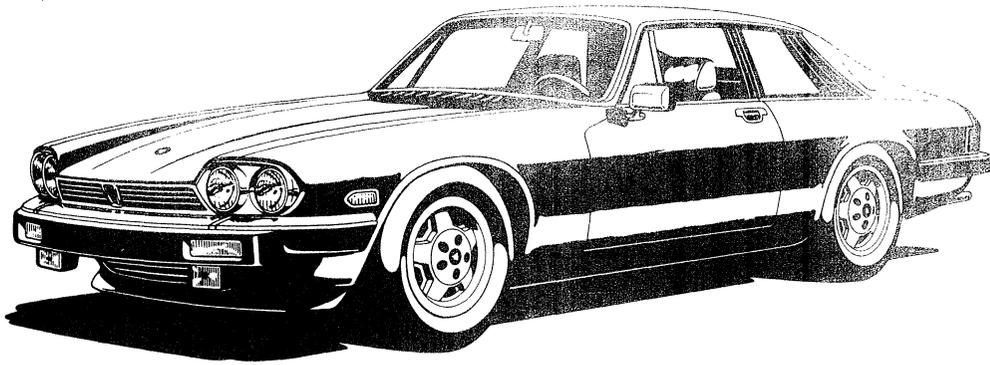
IDLE STABILIZATION MODIFICATIONS: VIN 133461-ON
1988 IMPROVEMENTS: VIN 139052-ON

WIRING COLOR CODE

N	Brown	Y	Yellow
B	Black	O	Orange
W	White	S	Slate
K	Pink	L	Light
G	Green	U	Blue
R	Red	P	Purple

When a wire has two color code letters, the first letter indicates the main color and the second letter indicates the tracer color.

Example: WK = white with a pink tracer.

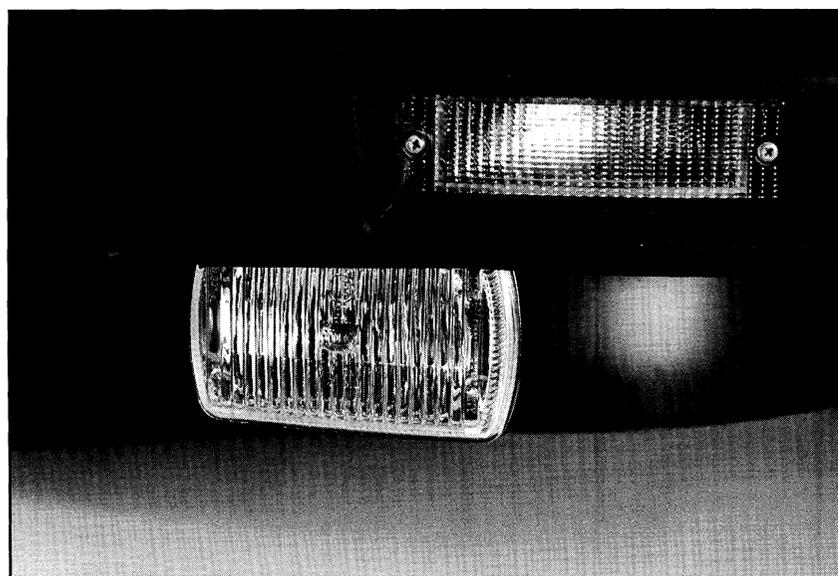


XJ-S, XJ-SC

With the exception of the locking fuel filler cap, the new features apply to both the coupe and the cabriolet models.

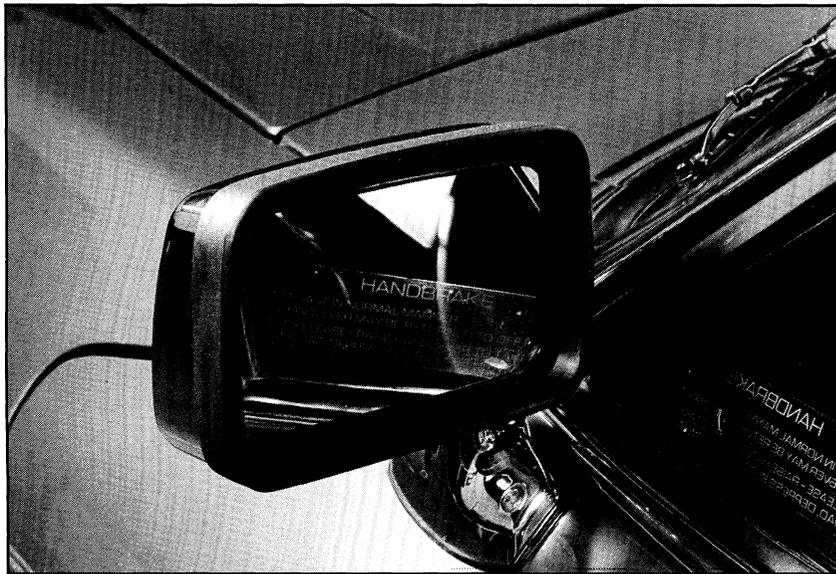
**FRONT FOG LIGHTS**

New style front fog lights, with revised wiring and operation, are mounted under the front bumper.



HEATED REAR VIEW MIRRORS

Both the driver and passenger door mirrors have electrical heating elements to provide deicing at low ambient temperatures.



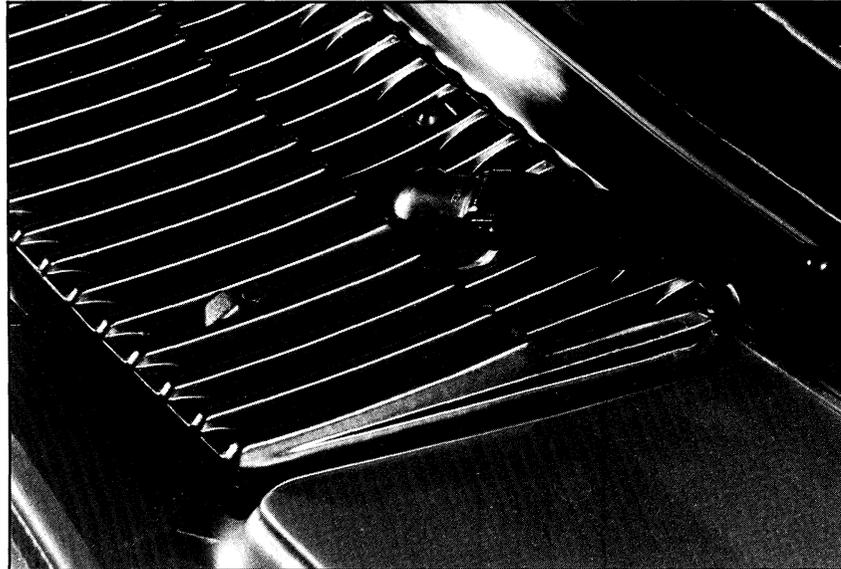
LOCKING FUEL FILLER FLAP

XJ-S coupe models incorporate a locking fuel filler flap. Cabriolet models retain the locking cap.



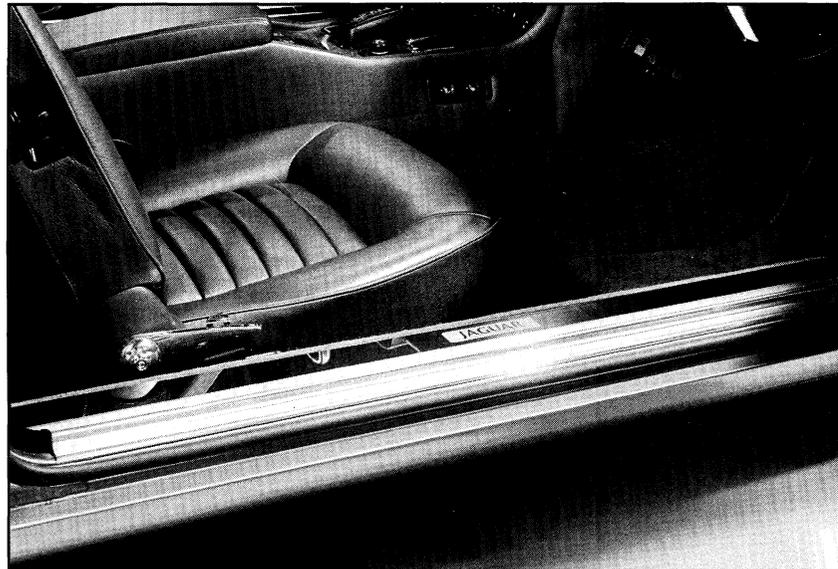
HEATED WINDSHIELD WASHER JETS

The washer jets are heated to ensure operation at low ambient temperatures.



SILL PLATES

The sill plates are formed by light alloy extrusions with stainless steel inserts. These provide increased durability and improved cosmetic appearance.



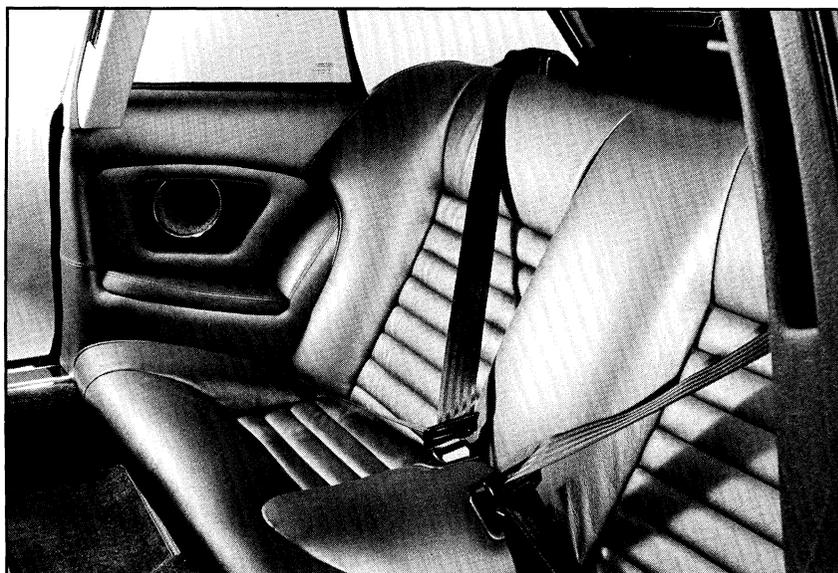
PASSIVE RESTRAINT SEAT BELT SYSTEM

The front seats incorporate automatically operating diagonal seat belts. The belts move to the restrained position when the driver's seat is occupied, both doors are closed, and the key is in the ignition. The lap belts are operated manually.



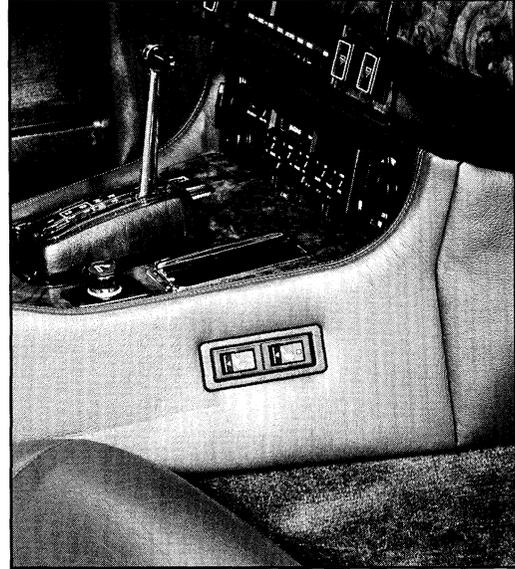
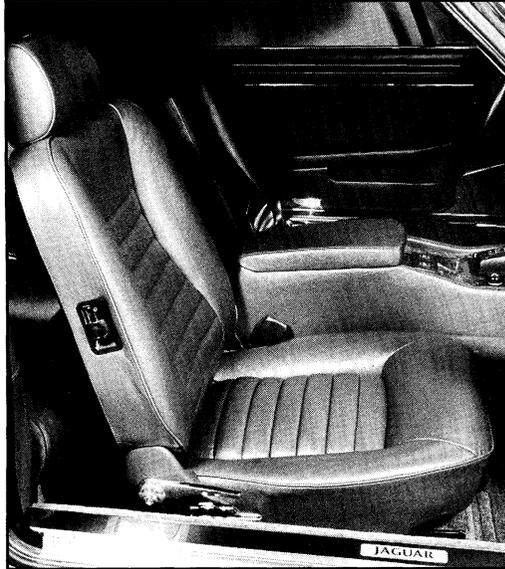
REAR SEAT BELTS

Combination lap/shoulder belts are provided for rear seat passengers.

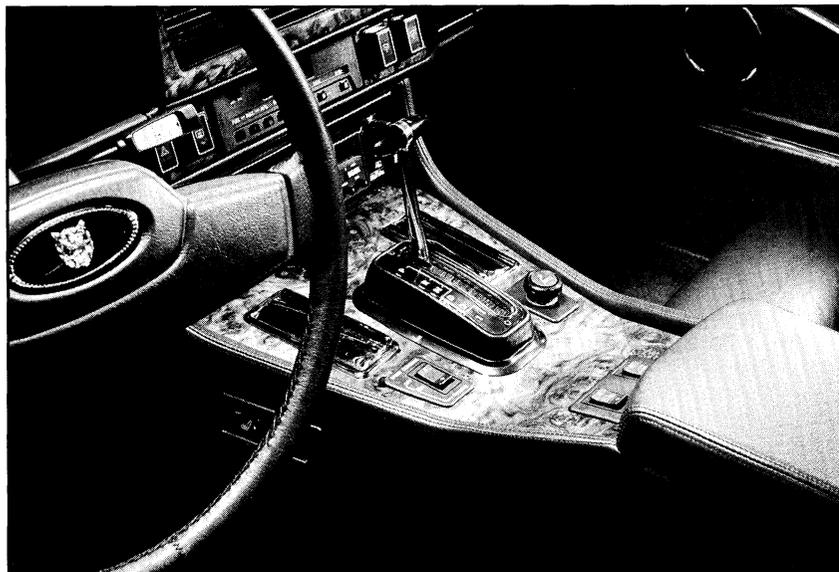


FRONT SEATS: HEATERS AND POWER LUMBAR SUPPORTS

The front seats are equipped with timed heaters for the cushions and the backs. Also, the lumbar supports are electrically adjustable. Both functions are controlled by individual switches located on the side of the center console.

**CENTER CONSOLE**

A wood veneer insert matching the other wood appointments is used for the top of the center console. New style switches are used for the cruise control and power windows. The cigar lighter has been restyled.



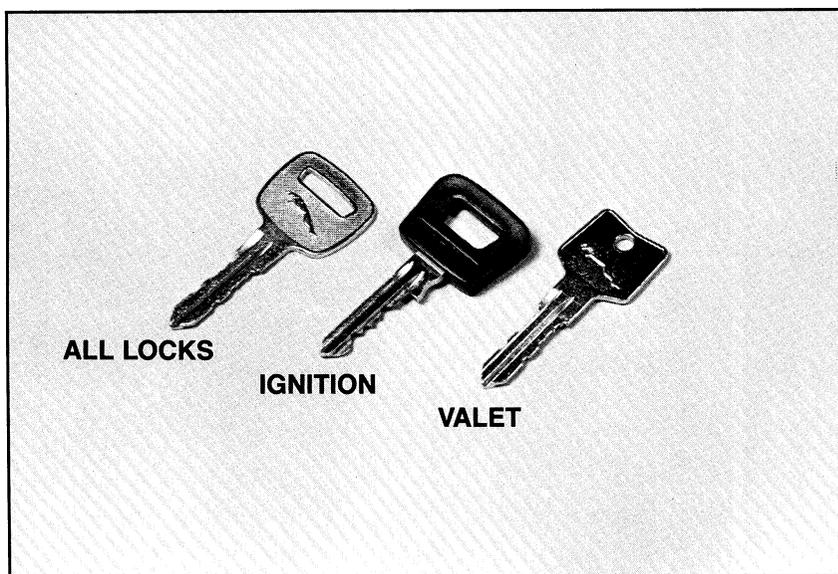
LIGHTING SWITCH

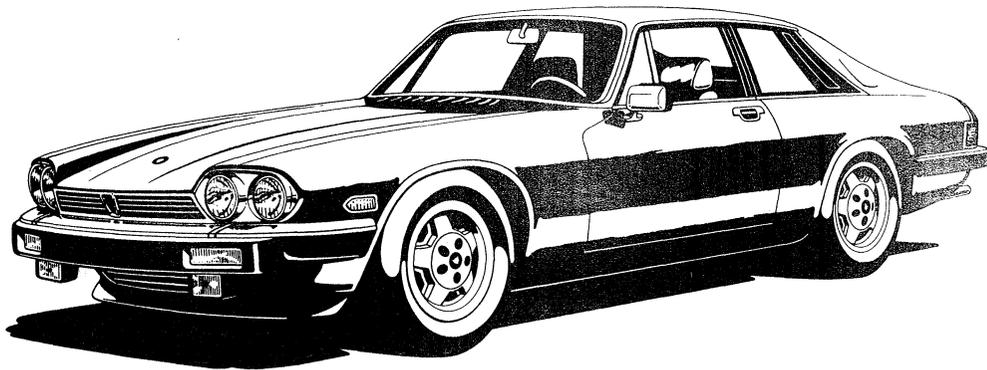
A new master lighting switch is installed, incorporating a revised fog light position.



KEYS

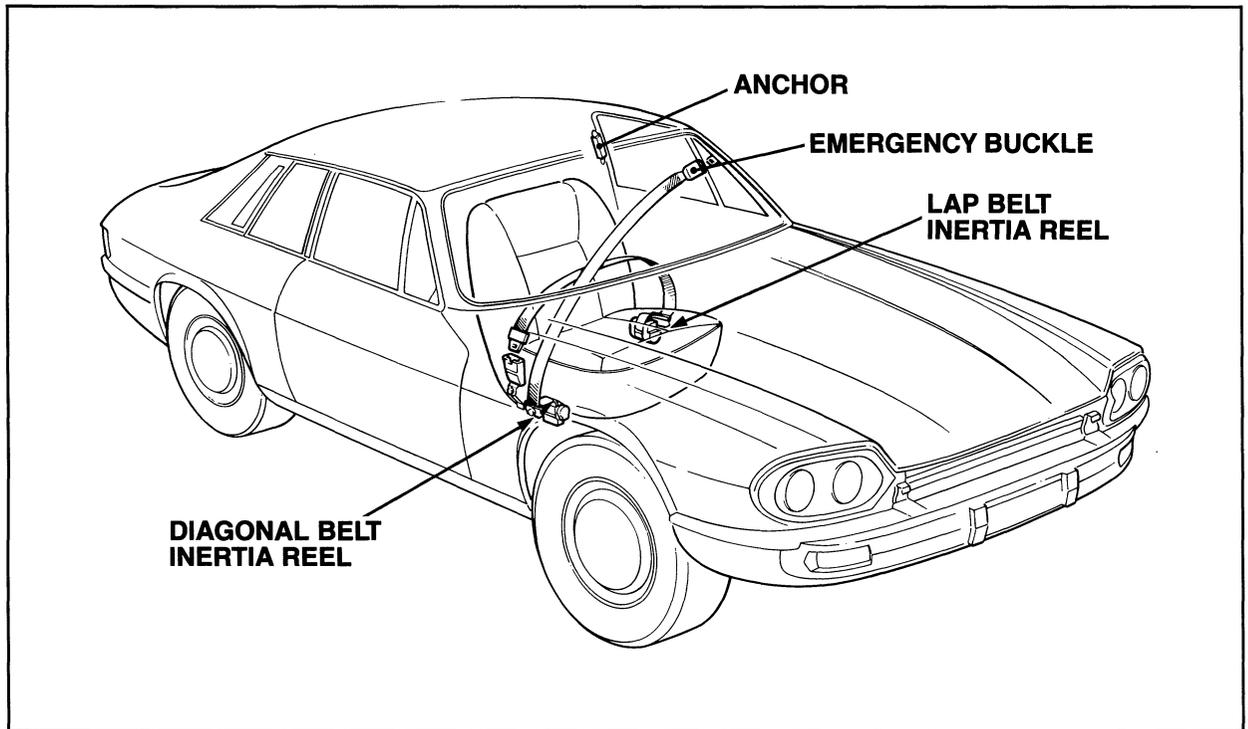
The XJ-S now uses a three key system. One key fits all the locks; a second key is for the ignition only; a third key is for valet use and operates only the door and fuel filler flap locks.





PASSIVE RESTRAINT SEAT BELT SYSTEM

The passive belt is a single diagonal seat belt fed from an inertia reel assembly mounted on the inside seat slide and connecting to a motorized runner mounted on the upper door opening.

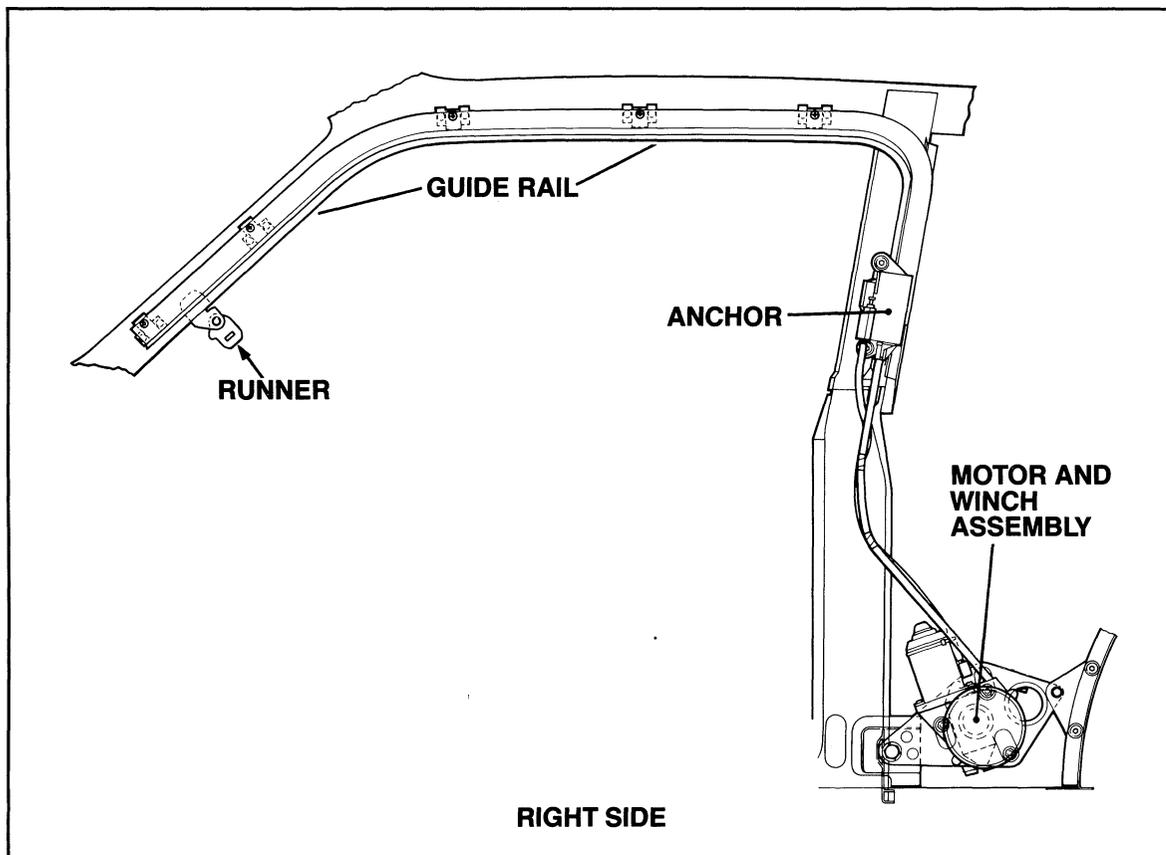


A quick release emergency buckle attaches at the runner. A second independent lap belt is fed from an inertia reel assembly mounted on the outside seat slide. It connects manually to the anchor on the inside seat slide.

Two warnings are provided—a six second audible warning and a warning light. The warning light on the instrument panel will come on if the passive restraint belt does not locate in the driver's side anchor or if it is not connected to the runner.

PASSIVE RESTRAINT SEAT BELT SYSTEM

The system is driven by a motor and winch assembly located under the lower rear quarter trim panel—one on the left side and one on the right side.



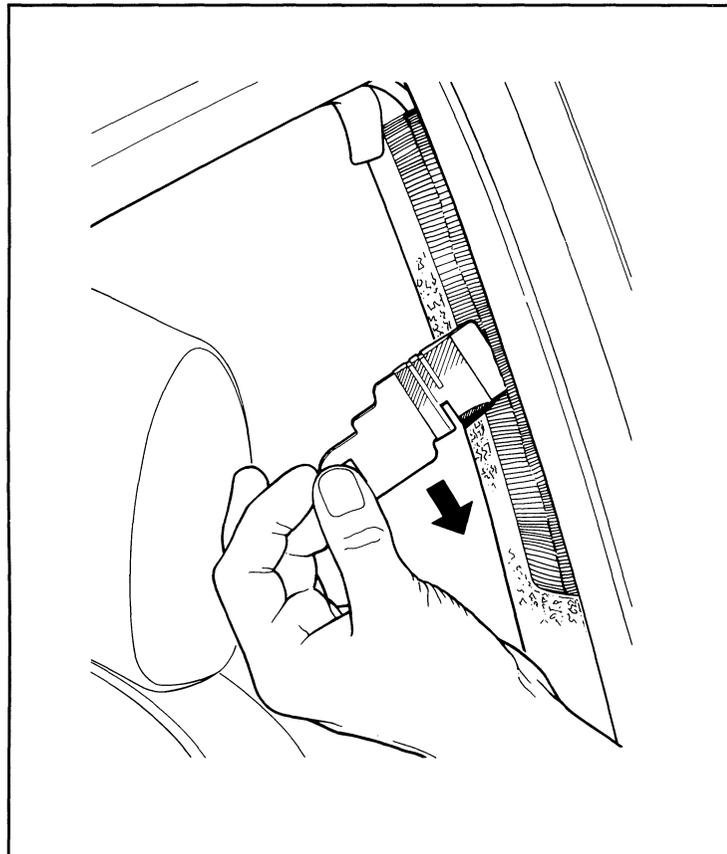
To release a diagonal belt in an emergency, press the red button marked PRESS at the shoulder end.



WARNING: THE DIAGONAL BELT MUST BE CONNECTED BEFORE OPERATING THE VEHICLE.

PASSIVE RESTRAINT SEAT BELT SYSTEM

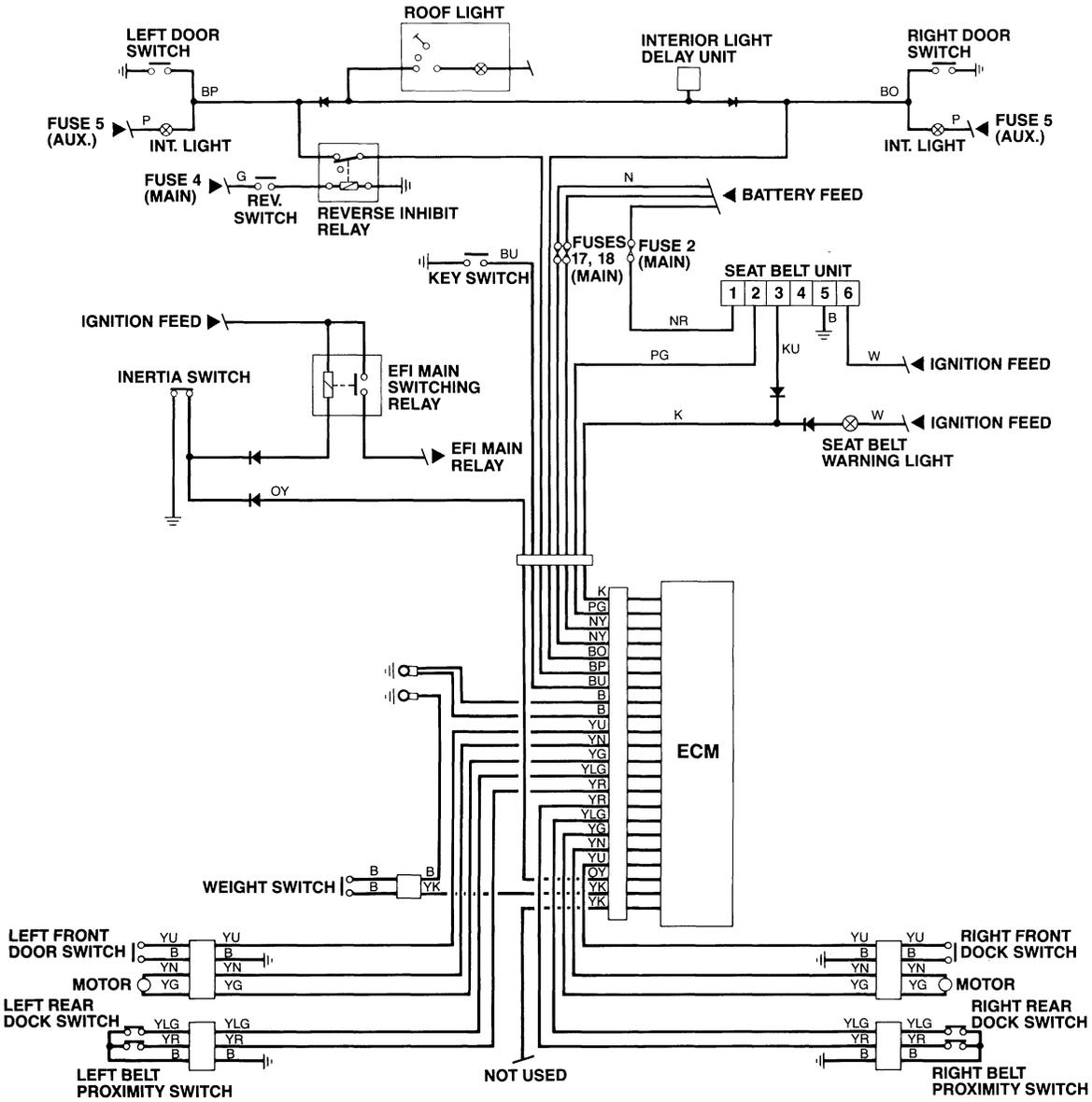
If the system fails to deploy, two emergency anchor adaptors and protective covers are provided. These are stored in the glove box and allow temporary use of the vehicle. The adaptors are "handed" and are marked RH TOP and LH TOP. Insert the correct adaptor into the trim finisher channel and slide it down until it securely engages in the anchor. Manually connect the diagonal belt to the adaptor and install the protective cover on the runner.



Rapid or irregular seat adjustment may cause the inertia reels to temporarily lock, preventing the system from deploying completely. It is preferable to adjust the seat after the belt deploys to the restrained position. If the inertia reel locks, slowly adjust the seat forward and ease the belt out. Labels referring to this procedure are provided on the sun visor and the diagonal belt.

PASSIVE RESTRAINT SEAT BELT SYSTEM

REFER TO PAGE 1 FOR WIRING COLOR CODE



PROVISIONAL WIRING DIAGRAM

PASSIVE RESTRAINT SEAT BELT SYSTEM

The system is actuated when the following occur:

- The driver's seat cushion sensor pad weight switch is actuated.
- Both doors are closed.
- The key is inserted in the ignition switch.

The operation is as follows:

- When the driver's seat is occupied with both doors closed and the key is in the ignition, both the left and right diagonal belts will deploy to the restrained position.
- The right belt deploys even if the seat is unoccupied. This action prevents the right belt from obstructing the driver's view.
- The diagonal belt travels to the unrestrained position when either the ignition key is removed or the adjacent door is opened.
- If reverse gear is selected, the reverse inhibit relay is energized to prevent the driver's diagonal belt from traveling to the unrestrained position if the driver's door is opened. This will prevent the driver being caught by the moving belt if he or she wishes to lean out the door while backing up.

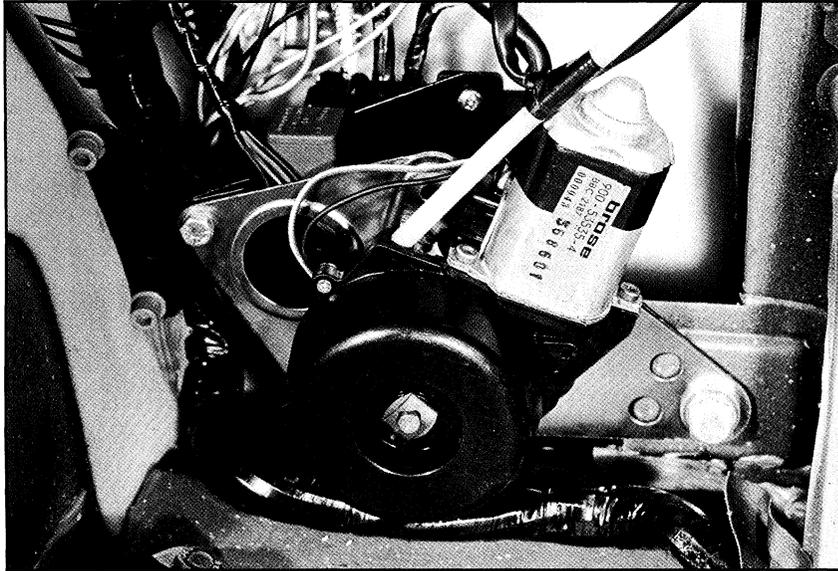
Two warnings are provided:

- The instrument panel seat belt warning light will come on when the driver's seat is occupied (with the doors closed and the ignition turned to position 2). It will stay on until the diagonal belt has traveled to the restrained position. The diagonal belt must be connected to the runner to activate the belt proximity reed switch, which will turn off the warning.
- If the diagonal belt has not traveled to the restrained position, an audible warning will sound for approximately six seconds after the ignition key has been turned to position 2.

NOTE: An audible warning will also sound continuously if the driver's door is open with the key in the ignition.

PASSIVE RESTRAINT SEAT BELT SYSTEM

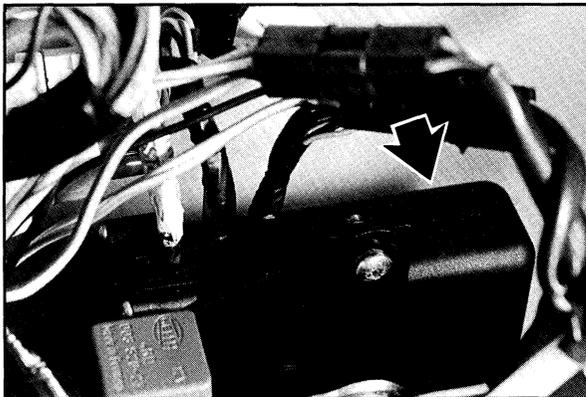
Motor and Winch Assemblies



Location: Under lower rear quarter panels.

Function: Drives the runners during seat belt deployment. Each winch contains a front dock switch to limit forward travel.

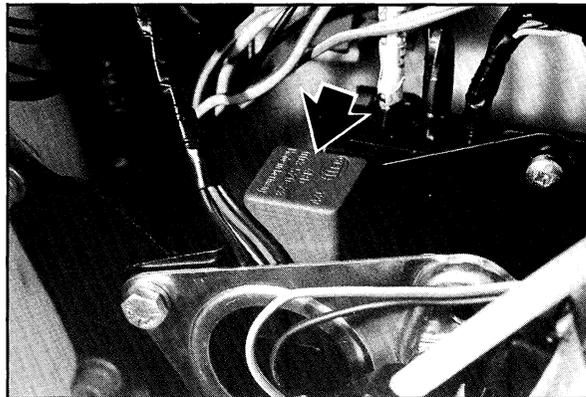
Electronic Control Module (ECM)



Location: Behind left motor/winch assembly.

Function: Provides logic and control for the system.

Reverse Inhibit Relay



Location: On left motor/winch assembly.

Function: Provides an ECM signal when reverse is selected to prevent system activation when the driver's door is opened.

PASSIVE RESTRAINT SEAT BELT SYSTEM

Fuses

	1	2	3	4	5	6	7	8	9	10
	10 A	7.5 A	15 A	5 A	7.5 A	5 A	5 A	2 A	10 A	25 A
	15 A	15 A	10 A	5 A	3 A		15 A	15 A	10 A	5 A
	11	12	13	14	15	16	17	18	19	20

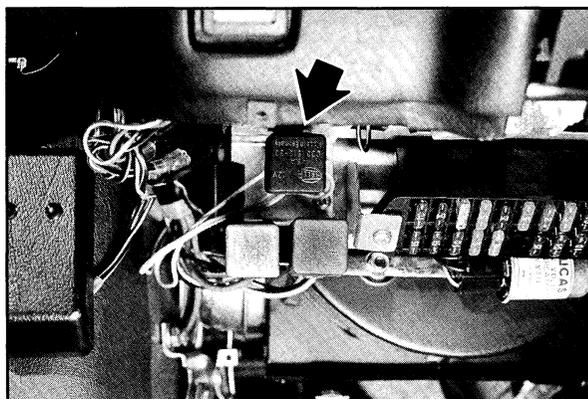
Location: Main fuse panel.

Function: 2 Hazard warning, seat belt logic.

17 Left passive restraint.

18 Right passive restraint.

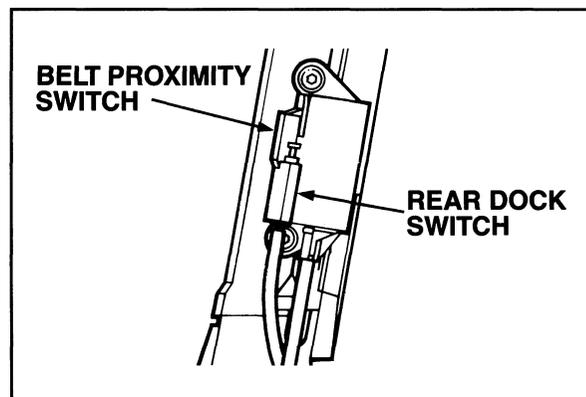
EFI Main Switching Relay



Location: Left component panel (black).

Function: Provides independent operation of passive restraint system and EFI system when the inertia switch is tripped.

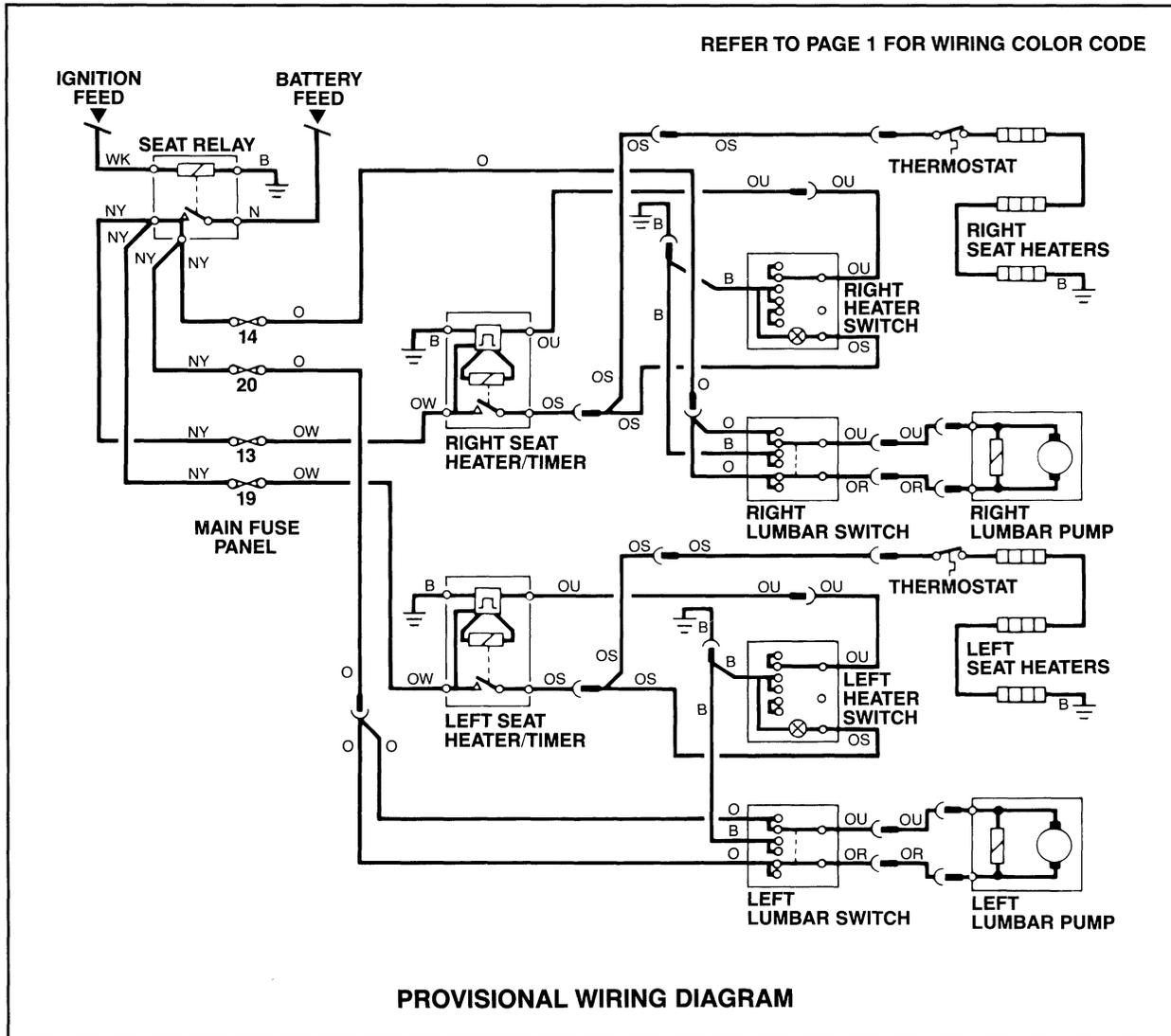
Rear Dock Switch And Belt Proximity Switch



Location: Diagonal belt anchors.

Function: The rear dock switch limits rearward travel. The belt proximity "reed" switch senses belt connection in the restrained position.

FRONT SEATS: HEATERS AND POWER LUMBAR SUPPORTS

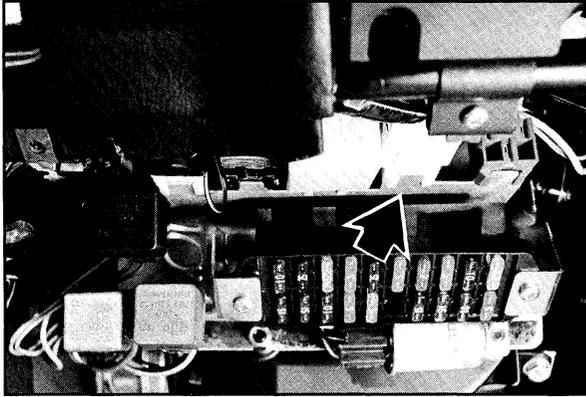


HEATERS Heating elements are in both the front seat cushions and backs. These are controlled by switches located on each side of the center console. The system incorporates an independent timer unit and thermostat for each seat. Heater operation is limited to ten minutes or until the seat reaches 122°F (45°C). When the switch is ON, the switch amber indicator light will remain on while the timer is in operation. If the cycle is interrupted by switching OFF the ignition, the timer will start a new cycle when power is switched back ON (provided the seat heater switch is still ON).

POWER LUMBAR SUPPORTS The front seat backs have pneumatic adjustable lumbar supports. These are controlled by switches located on each side of the center console.

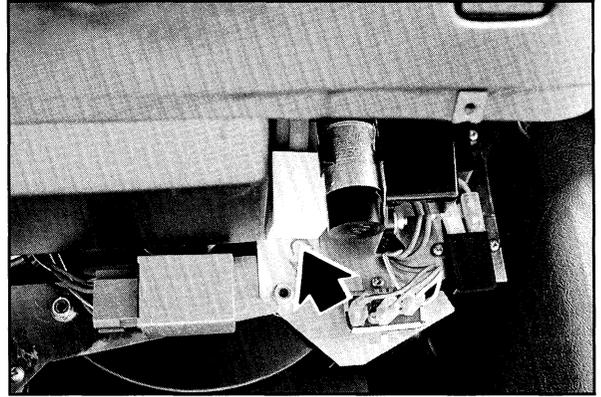
FRONT SEATS: HEATERS AND POWER LUMBAR SUPPORTS

Left Seat Heater Timer



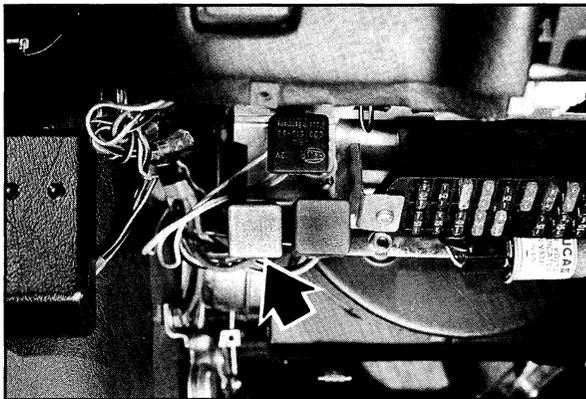
Location: Left component panel (white connector, white body).

Right Seat Heater Timer



Location: Right component panel (white connector, white body).

Seat Relay



Location: Left component panel (silver).
Function: Remote system switching from ignition switch.

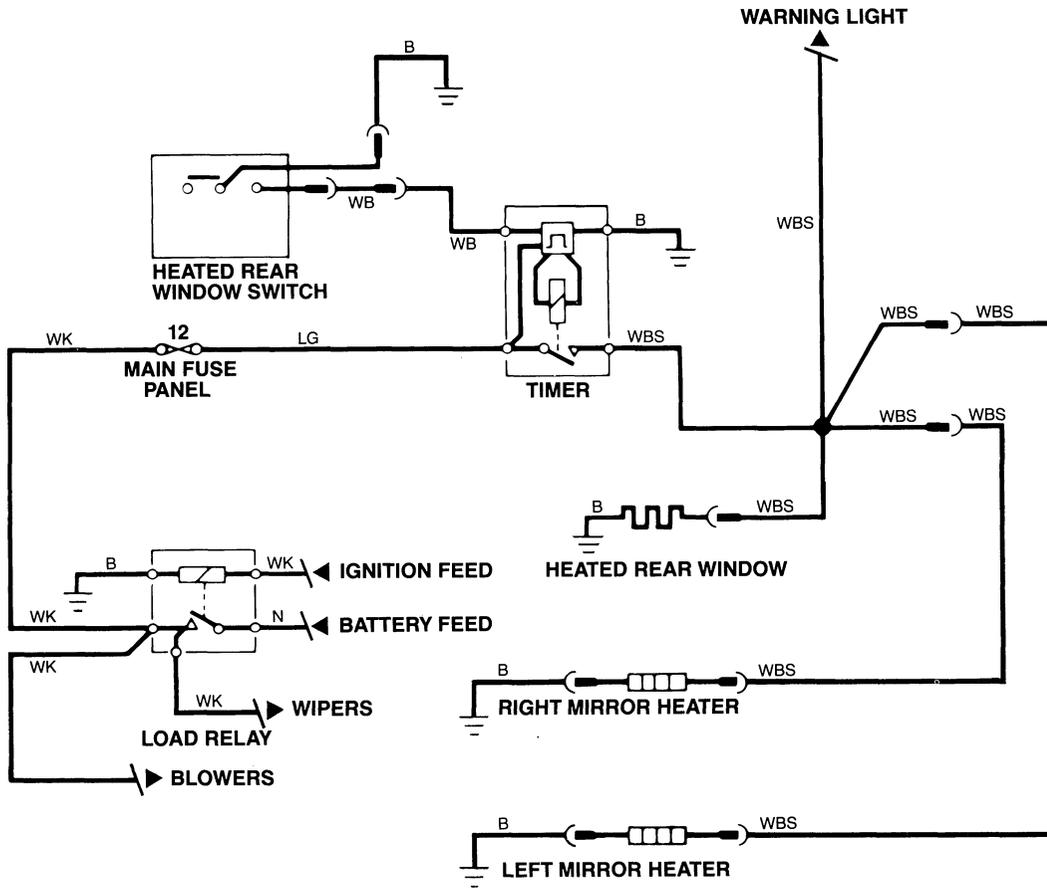
Fuses

	1	2	3	4	5	6	7	8	9	10
	10 A	7.5 A	15 A	5 A	7.5 A	5 A	5 A	2 A	10 A	25 A
	15 A	15 A	10 A	5 A	3 A		15 A	15 A	10 A	5 A
	11	12	13	14	15	16	17	18	19	20

Location: Main fuse panel.
Function: 13 R/seat heater.
14 R/seat power lumbar support.
19 L/seat heater.
20 L/seat power lumbar support.

HEATED REAR VIEW MIRRORS

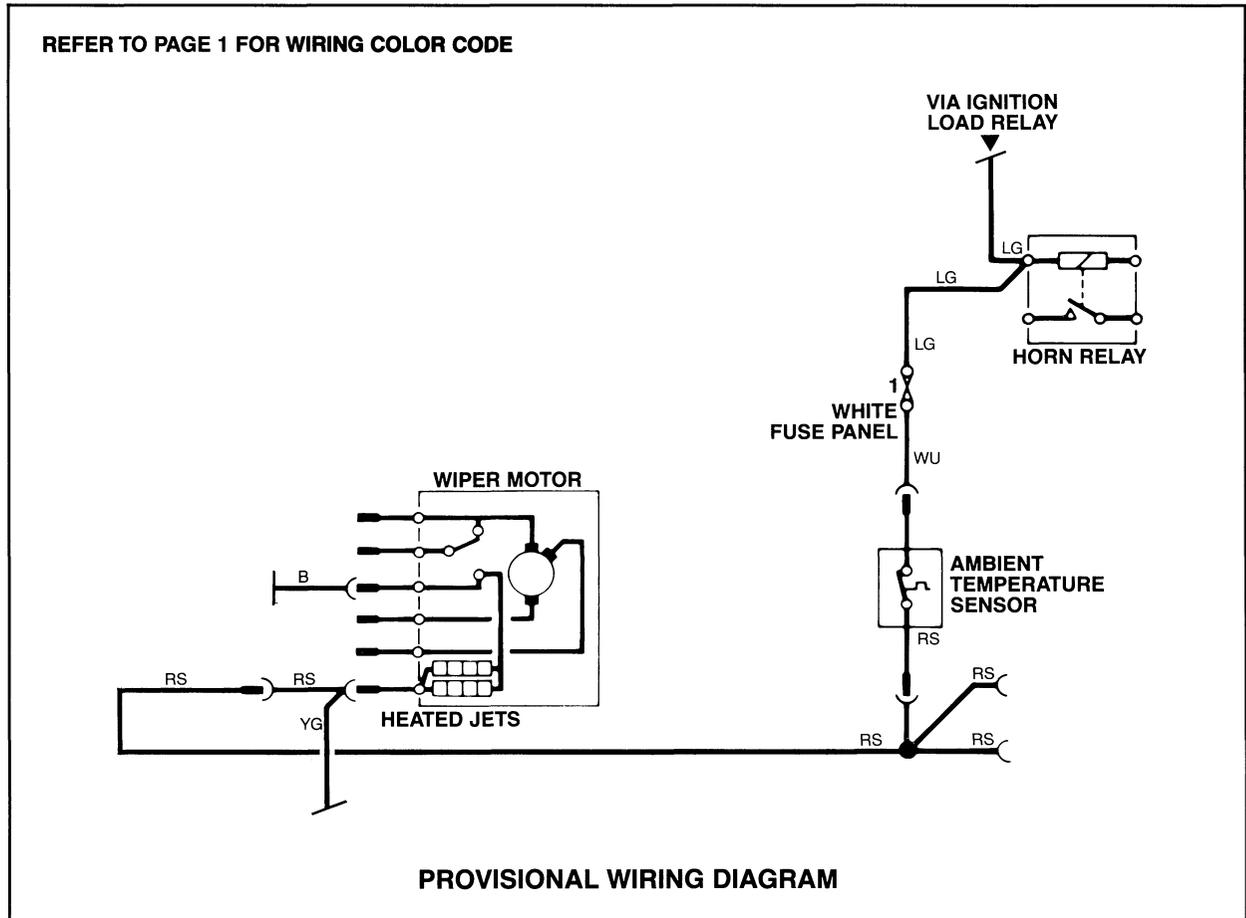
REFER TO PAGE 1 FOR WIRING COLOR CODE



PROVISIONAL WIRING DIAGRAM

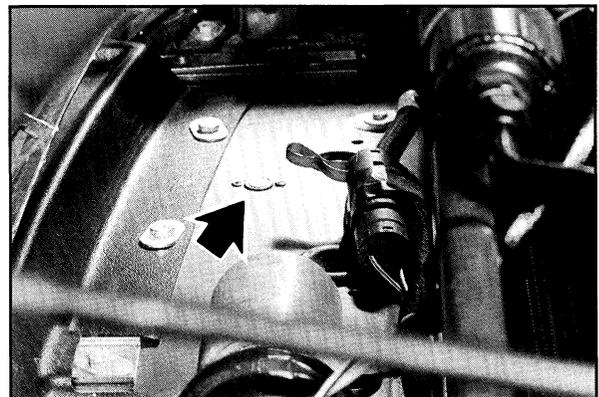
The heated rear view mirrors operate in the same circuit as the heated rear window and are controlled by the same switch. The timer switches off the rear window and mirror heaters after approximately twenty minutes.

HEATED WINDSHIELD WASHER JETS



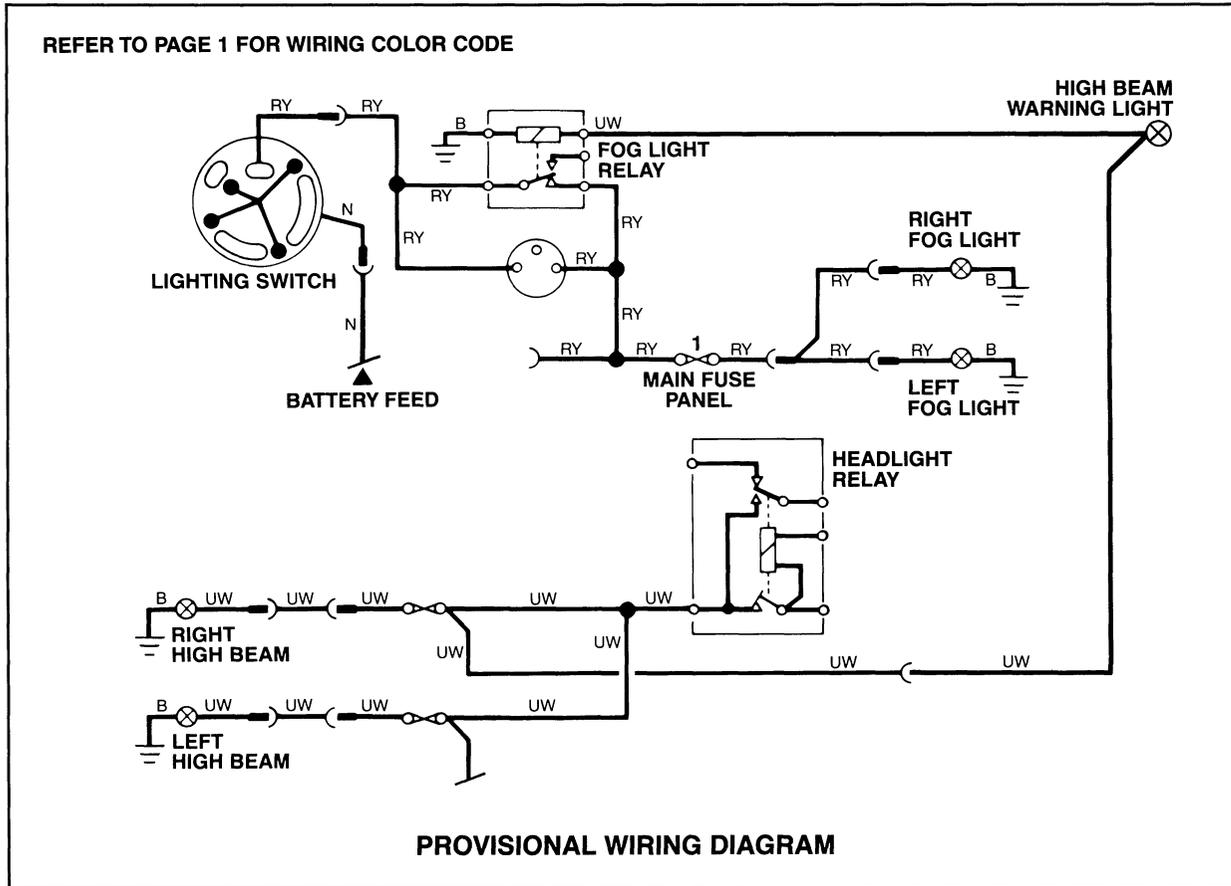
The heaters are located in the washer jets. They are energized when the ignition is switched ON and the ambient air temperature is at or below 39°F (4°C). Heating is canceled when either the ignition is switched OFF or the ambient air temperature rises above 50°F (10°C).

Ambient Air Temperature Sensor

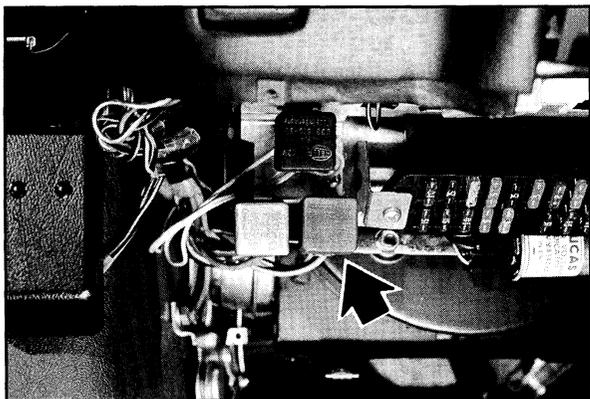


Location: Right side, behind grille.

FRONT FOG LIGHTS



Fog Light Relay



Location: Left component panel (green).
Function: Disconnects the fog light circuit when headlight high beams are switched ON.

The front fog lights are switched by the master lighting switch. When the headlight high beams are switched ON, the fog light relay is energized, disconnecting the fog light circuit.

WIRING HARNESS AND FUSES

Main Fuse Panel

	1	2	3	4	5	6	7	8	9	10	
	10 A	7.5 A	15 A	5 A	7.5 A	5 A	5 A	2 A	10 A	25 A	
	15 A	15 A	10 A	5 A	3 A		15 A	15 A	10 A	5 A	
	11	12	13	14	15	16	17	18	19	20	

Auxiliary Fuse Panel

	6	5	4	3	2	1	
	3 A	25 A	10 A	2 A	2 A	5 A	

Underhood Fuse Panels

	6	5	4	3	2	1	
		7.5 A	10 A	7.5 A	10 A	10 A	
	BLACK						
	6	5	4	3	2	1	
						4 A	
	WHITE						

WIRING HARNESS AND FUSES

Main Fuse Panel

FUSE NO.	VALUE	CIRCUIT
1	10A	Front fog lights
2	7.5A	Hazard warning, seat belt logic
3	15A	Clock, antenna, trunk light
4	5A	Panel instruments, reverse light
5	7.5A	Turn signals, stop light, kickdown switch
6	5A	Air conditioning clutch relay
7	5A	Panel/cigar lighter/selector illumination
8	2A	Door locks, power mirrors
9	10A	Wipers
10	25A	Blower motor (left)
11	15A	Climate control controls, horn, windshield washers, radiator cooling fan
12	15A	Heated rear window and door mirrors
13	10A	Seat heater (right)
14	5A	Seat lumbar adjustment (right)
15	3A	Trip computer
16	Not used	Not used
17	15A	Passive restraint (left)
18	15A	Passive restraint (right)
19	10A	Seat heater (left)
20	5A	Seat lumbar adjustment (left)

WIRING HARNESS AND FUSES

Auxiliary Fuse Panel

FUSE NO.	VALUE	CIRCUIT
1	5A	Interior and map lights
2	2A	Side lights (left)
3	2A	Side lights (right)
4	10A	Cigar lighter
5	25A	Blower motor (right)
6	3A	Speed control

Underhood Fuse Panels

BLACK PANEL

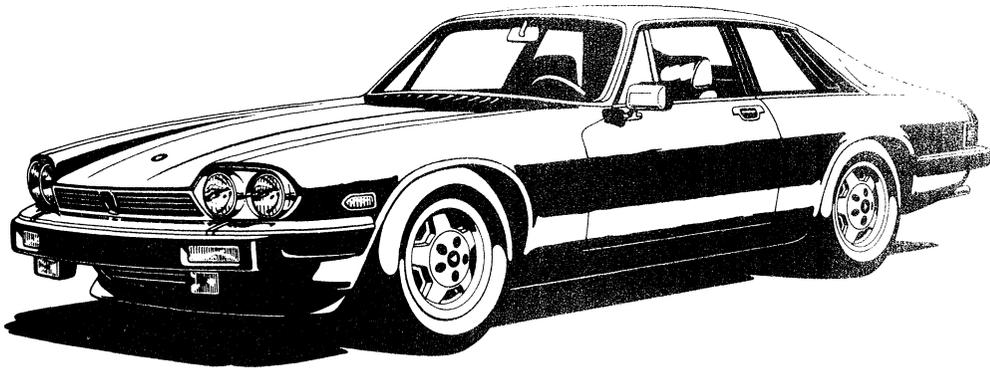
FUSE NO.	VALUE	CIRCUIT
1	10A	Radiator auxiliary cooling fan motor relay, horn
2	10A	High beam (left)
3	7.5A	Low beam (left)
4	10A	High beam (right)
5	7.5A	Low beam (right)

WHITE PANEL

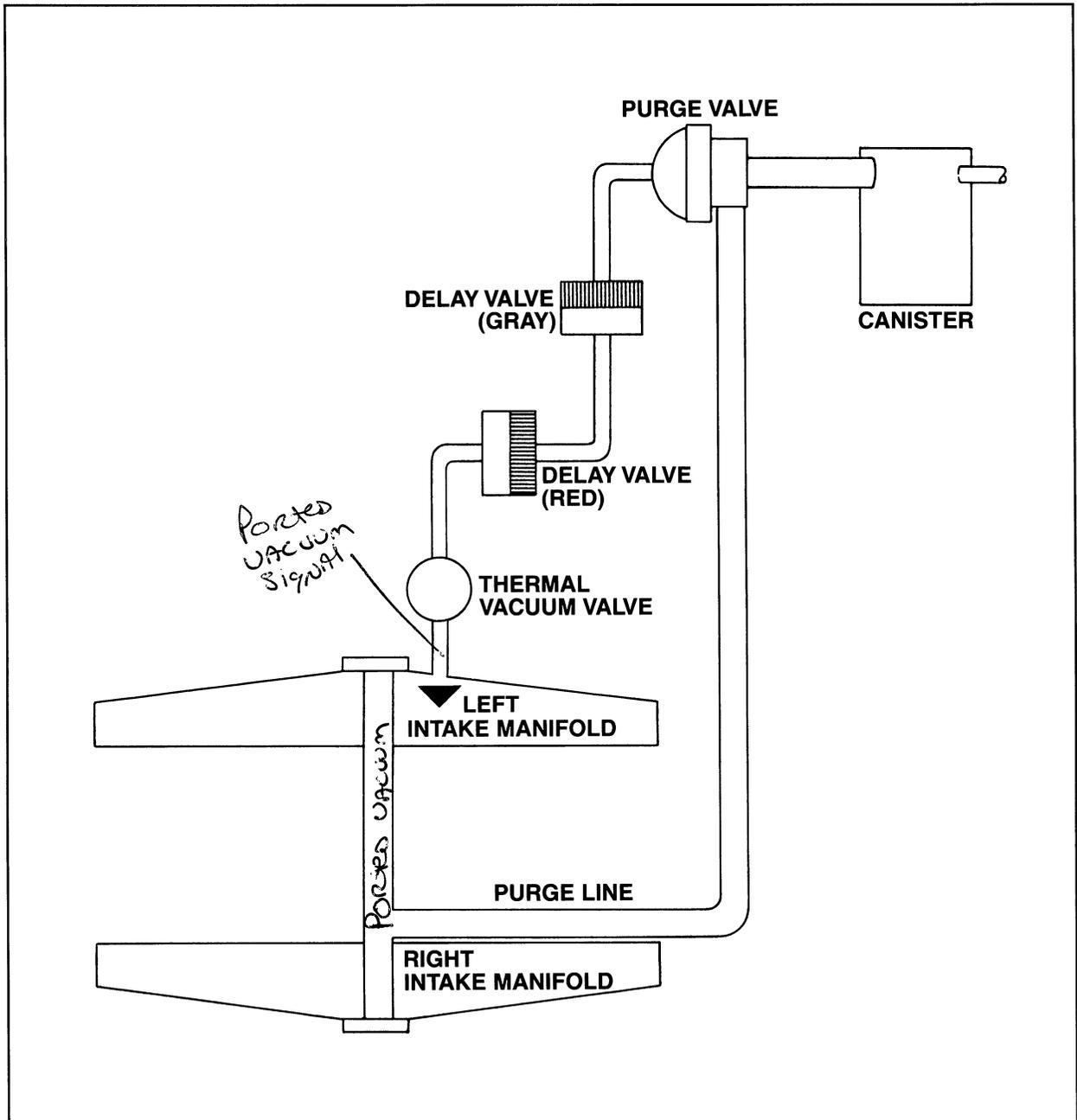
FUSE NO.	VALUE	CIRCUIT
1	4A	Heated washer jets

In-Line Fuses

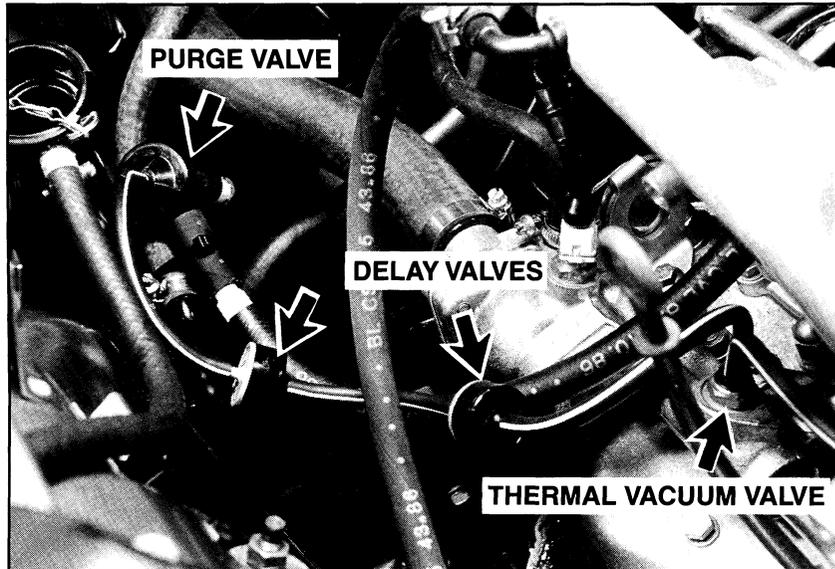
CIRCUIT	VALUE	LOCATION
Left tail light bulb failure	3A	Left rear inner fender
Right tail light bulb failure	3A	Right rear inner fender
Radio	1A	Behind unit
Cooling fan	20A	Radiator support bracket
Air conditioning clutch relay	10A	Right front inner fender
Antenna	10A	Right rear inner fender



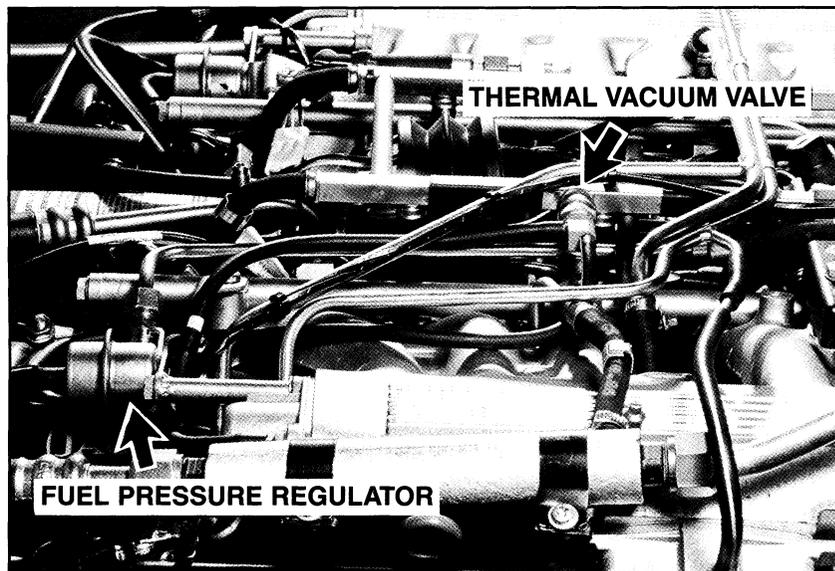
To provide a more stable idle condition for low speed operation, a revised purge control system was introduced at VIN 133461. This modification delays canister purging for a few seconds as engine speed increases just off idle, preventing a possible over rich mixture.



Purge Control

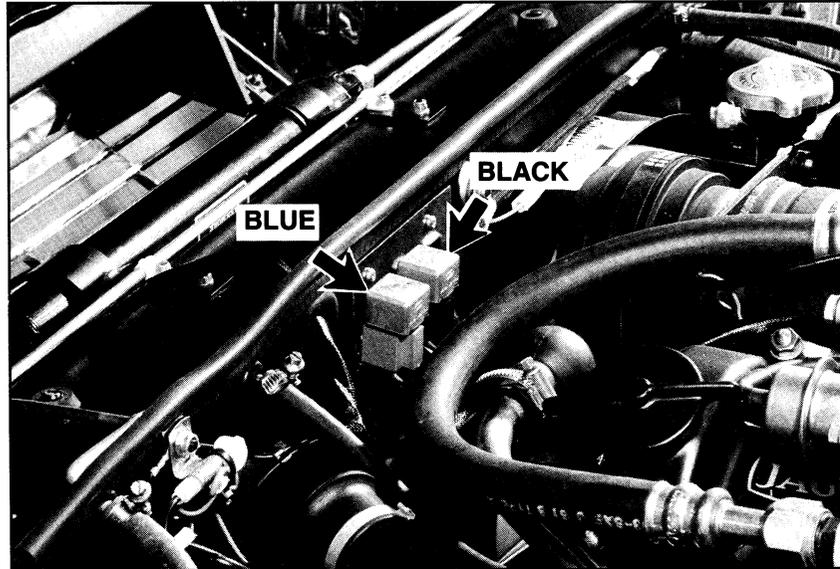


Fuel Pressure Regulator And Thermal Vacuum Valve



A thermal vacuum valve replaces the previous thermal switch on the fuel rail. This valve interrupts the manifold vacuum signal to the fuel pressure regulator when the fuel temperature rises to a specific level, preventing fuel system vapor formation at high underhood temperatures.

Idle Airflow Increase



When the air conditioning compressor is in operation, additional intake air is provided by reinstating the supplementary air valve flow. A signal from the compressor clutch circuit energizes the relay with the black connector, which switches ON the supplementary air valve. The relay with the blue connector provides power supply to the black connector relay and interrupts the supply when NEUTRAL is selected.



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1988



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