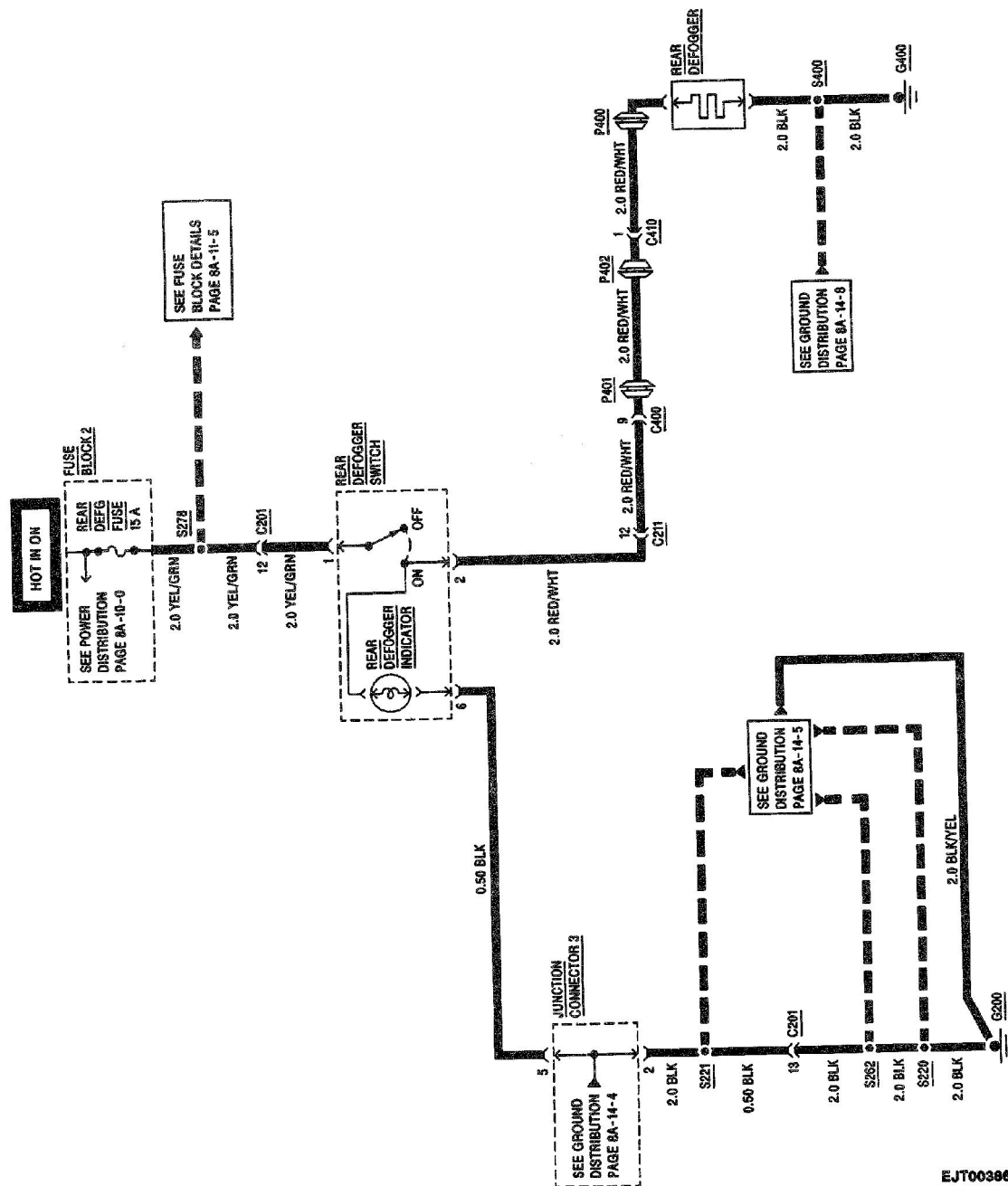


8A - 61 - 0 ELECTRICAL DIAGNOSIS DEFOGGER



EJT003961

COMPONENT	LOCATION	201-PG	FIG.	CONN
Fuse Block 2	Under LH I/P.....	06	A	
Junction Connector 3 (10 Cavities).....	I/P Harness, RH side of I/P, near RH Front Speaker			
Rear Defogger (4-Door LSi)	In Rear Window	13	A	
Rear Defogger Switch (4-Door LSi).....	I/P, left of Steering Column			202-15B2
C201 (16 Cavities).....	Main Harness to I/P Harness, LH I/P near Fuse Block 2.....	06	A	202-07A1
C211 (16 Cavities).....	I/P Harness to Floor Harness, LH I/P, near "A" Pillar.....	07	A	202-09A1
C400 (12 Cavities) (2-Door)	Floor Harness to Rear Lamp Harness, behind LH Rear Wheelhousing	10	A	202-11A2
C410 (1 Cavity) (4-Door).....	Rear Lamp Harness to Rear Door Harness, behind RH Rear Wheelhousing			
G200.....	Behind LH I/P, above Fuse Block 2	06	A	
G400.....	Inside Rear Door near License Plate Lamps			
P400	Rear Door			
P401	Rear of Vehicle, right of LH Frame Rail.....	10	A	
P402	Rear of Vehicle, left of RH Frame Rail.....	10	A	
S220	Main Harness, near I/P left of Steering Column			
S221	I/P Harness near, C201 breakout			
S262	Main Harness, left of Steering Column			
S278	Main Harness, near Fuse Block 2			
S400	Rear Door Harness, near License Plate Lamps			

TROUBLESHOOTING HINTS

1. Check REAR DEFG Fuse with a fuse tester.
2. Check that REAR DEFOGGER grid is continuous and free from damage. Refer to SECTION 10-2.
3. Check that G200 and G400 are clean and tight.

SYSTEM DIAGNOSIS

TEST	RESULT	ACTION
1. Turn Ignition Switch to "ON." Press REAR DEFOGGER SWITCH to ON position.	Rear Defogger Indicator lights and rear window starts to warm.	GO to step 2.
	Rear Defogger Indicator lights but rear window does not warm.	GO to step 3.
	Rear window warms but Rear Defogger Indicator does not light.	Check for open in BLK wire between REAR DEFOGGER SWITCH and G200. If OK, replace REAR DEFOGGER SWITCH.
	Rear Defogger Indicator does not light and rear window does not warm.	GO to step 5.

8A - 61 - 2 ELECTRICAL DIAGNOSIS

DEFOGGER

SYSTEM DIAGNOSIS

TEST	RESULT	ACTION
2. Press REAR DEFOGGER SWITCH to the OFF position.	Rear Defogger Indicator goes out and rear window cools.	All systems diagnosed in this cell are functioning normally.
	Rear Defogger Indicator remains lit and rear window does not cool.	GO to step 6.
3. Connect a test lamp between REAR DEFOGGER RED/WHT wire connector and ground.	Test lamp lights.	Repair open in BLK ground wire between REAR DEFOGGER and G400.
	Test lamp does not light.	Go to step 4.
4. Backprobe REAR DEFOGGER SWITCH connector with a test lamp from cavity 2 to ground.	Test lamp lights.	Repair open in RED/WHT wire between REAR DEFOGGER SWITCH and REAR DEFOGGER.
	Test lamp does not light.	Replace REAR DEFOGGER SWITCH.
5. Backprobe REAR DEFOGGER SWITCH connector with a test lamp from cavity 1 to ground.	Test lamp does not light.	Repair open in YEL/GRN wire between REAR DEFOGGER SWITCH and FUSE BLOCK 2.
	Test lamp lights.	Replace REAR DEFOGGER SWITCH.
6. Disconnect REAR DEFOGGER SWITCH connector. Connect a test lamp from cavity 2 to ground.	Test lamp lights.	Repair short to voltage in RED/WHT wire between REAR DEFOGGER SWITCH and REAR DEFOGGER.
	Test lamp does not light.	Replace REAR DEFOGGER SWITCH.

COMPONENT REPLACEMENT INFORMATION

For component replacement information, refer to section listed below.

Rear Defogger Switch Section 8C

CIRCUIT OPERATION

With the Ignition Switch in "ON," voltage is applied through the REAR DEFG Fuse to the REAR DEFOGGER SWITCH.

Whenever the REAR DEFOGGER SWITCH is pressed to the ON position, system voltage is applied through the closed contacts of the switch to the REAR DEFOGGER INDICATOR, and to the REAR DEFOGGER. The REAR

DEFOGGER is permanently grounded at G400. Because the REAR DEFOGGER is a resistive element, it begins to heat as soon as voltage is applied.

The REAR DEFOGGER SWITCH does not incorporate an integral timing circuit. Therefore, the switch must be pressed to the OFF position to terminate REAR DEFOGGER operation.

BLANK

