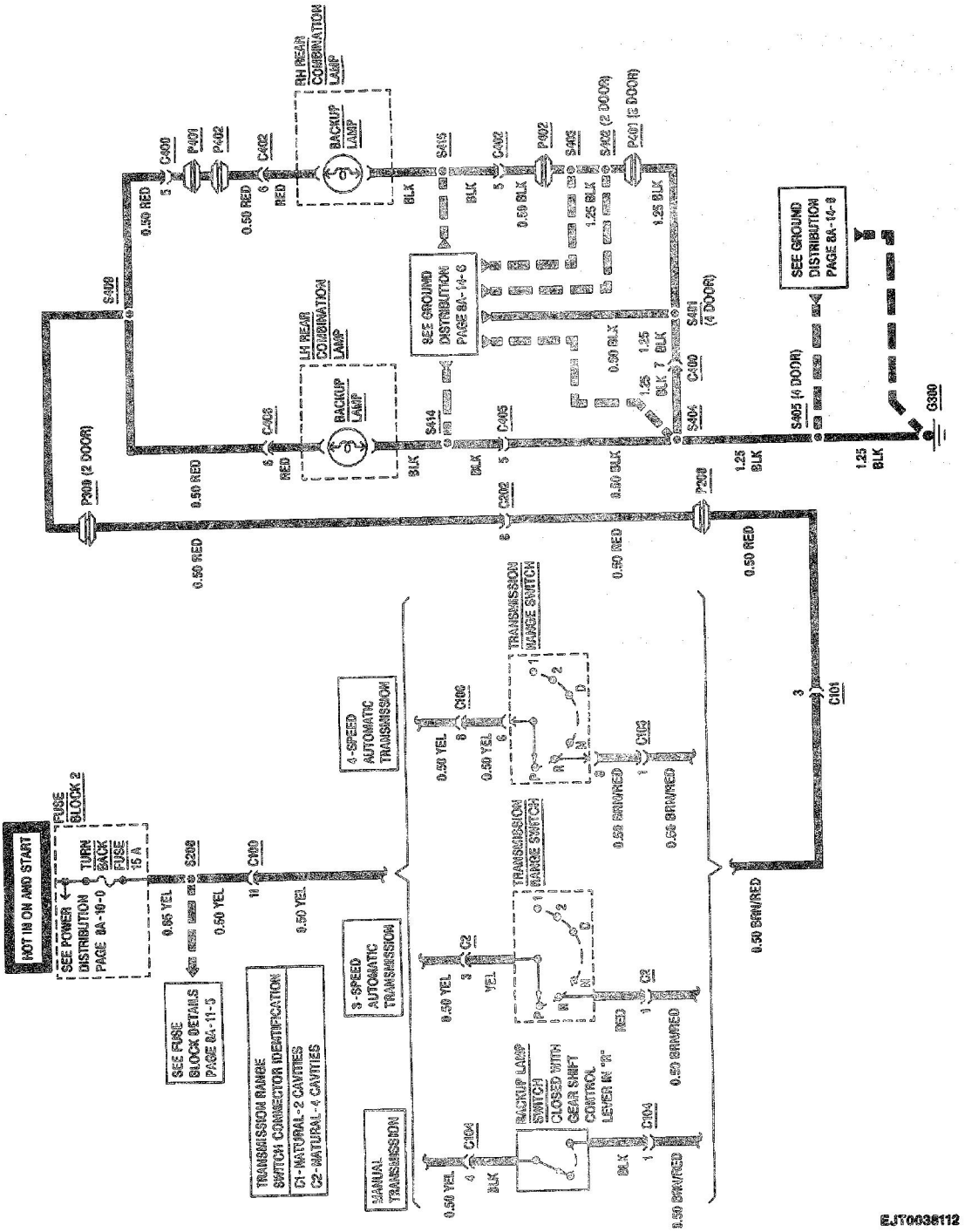
BACKUP LIGHTS



COMPONENT	LOCATION	201-PG	FIG.	CONN
Backup Lamp Switch (Manual Transmission)	Mounted on top of Transmission	15	A	
Fuse Block 2	Under LH I/P	06	A	
Transmission Range Switch (Automatic Transmission)	RH side of Transmission	14	B	202-14A1
C2 (4 Cavities) (3-Speed Automatic Transmission)	RH side of Transmission	14	B	
C100 (16 Cavities)	Main Harness to Engine Harness, on Bulkhead mounted to Bracket, left of Front Wiper Motor	04	A	202-01A1
C101 (16 Cavities)	Main Harness to Engine Harness, on Bulkhead mounted to Bracket, left of Front Wiper Motor	04	A	202-02A1
C104 (6 Cavities) (Manual and 3-Speed Automatic Transmission)	Engine Harness to Transmission Harness, RH Rear of Engine Compartment, under Intake Manifold	05	A	202-15B2
C106 (10 Cavities) (4-Speed Automatic Transmission)	Engine Harness to Transmission Harness, RH Rear Engine, under Intake Manifold			202-05A1
C202 (22 Cavities)	Main Harness to Floor Harness, LH I/P near G200	06	A	202-08A1
C401 (6 Cavities) (2-Door)	Floor Harness to Rear Lamp Harness, behind LH Rear Wheelhousing	10	A	202-15B3
C402 (6 Cavities)	Rear Lamp Harness to RH Rear Combination Lamp Jumper Harness, behind RH Rear Wheelhousing			
C406 (6 Cavities)	Floor Harness to LH Rear Combination Lamp Jumper Harness, behind LH Rear Wheelhousing	10	A	202-15B3
P200	LH Engine Compartment on Bulkhead, near Brake Master Cylinder	04	A	
P201	RH Rear Engine Compartment on Bulkhead, near Battery	01	A	
P300 (2-Door)	LH "A" Pillar, under I/P, behind LH Kick Panel	08	A	
P401	Rear of Vehicle, right of LH Frame Rail	10	A	
P402	Rear of Vehicle, left of RH Frame Rail	10	A	
S208	Main Harness, near Fuse Block 2			
S401	Rear Lamp Harness, near LH Rear Combination Lamp			
S402	Rear Lamp Harness, near RH Rear Combination Lamp			
S403	Rear Lamp Harness, near RH Rear Combination Lamp			
S404	Floor Harness 1, near LH Rear Combination Lamp			
S405	Rear Door Harness, near License Plate Lamps			
S409	Floor Harness 1, near LH Rear Combination Lamp			
S414	LH Rear Combination Lamp Jumper, near LH Rear Combination Lamp			
S415	RH Rear Combination Lamp Jumper, near RH Rear Combination Lamp			

BACKUP LIGHTS

TROUBLESHOOTING HINTS

1. Check the TURN BACK Fuse by observing operation of the turn signals.
2. Check that G300 is clean and tight.
3. For vehicles equipped with Automatic Transmission, check for proper adjustment of TRANSMISSION RANGE SWITCH. Refer to SECTION 7A.
4. Check Backup Lamp bulbs.

SYSTEM DIAGNOSIS

TEST	RESULT	ACTION
1. Turn Ignition Switch to "ON." Firmly engage Parking Brake. Move manual selector to "R."	Backup lamps light.	GO to step 2.
	Backup lamps do not light.	GO to step 3 (Manual transmission). GO to step 6 (Automatic transmission).
2. Move manual selector to "P" or "N."	Backup lamps go out.	All systems diagnosed in this cell are functioning normally.
	Backup lamps remain lit.	GO to step 9 (Manual transmission). GO to step 10 (Automatic transmission).
3. Disconnect connector C104. Connect a digital multimeter from C104 terminal 1 to terminal 4 (switch side). Measure resistance.	More than 0.3 ohms.	Replace BACKUP LAMP SWITCH.
	Less than 0.3 ohms.	GO to step 4.
4. Connect a test lamp from C104 connector cavity 4 to chassis ground.	Test lamp does not light.	Repair open in YEL wire between FUSE BLOCK and BACKUP LAMP SWITCH.
	Test lamp lights.	Go to step 5.
5. Disconnect connectors C402 and C406. Connect a digital multimeter from connector C402/C406 cavity 6 to connector C104 cavity 2. Measure resistance.	More than 0.3 ohms.	Repair open in RED or BRN/RED wire between C402/C406 and BACKUP LAMP SWITCH.
	Less than 0.3 ohms.	Repair open in BLK ground wire between REAR COMBINATION LAMP and G300.
6. Disconnect TRANSMISSION RANGE SWITCH connector C2 (3-speed A/T) or C106 (4-speed A/T). Connect a digital multimeter across TRANSMISSION RANGE SWITCH connector C2 terminals 1 and 3 (switch side) (3-speed A/T) or C106 terminals 1 and 8 (4-speed A/T). Measure resistance.	More than 0.3 ohms.	Replace TRANSMISSION RANGE SWITCH.
	Less than 0.3 ohms.	GO to step 7.
7. Disconnect connectors C402 and C406. Connect a digital multimeter from TRANSMISSION RANGE SWITCH connector C2 cavity 3 (3-speed A/T) or C106 cavity 8 (4-speed A/T) to connector C402/C406 cavity 6. Measure resistance.	More than 0.3 ohms.	Repair open in RED or BRN/RED wire between TRANSMISSION RANGE SWITCH and C402/C406.
	Less than 0.3 ohms.	GO to step 8.
8. Connect a test lamp from TRANSMISSION RANGE SWITCH connector C2 cavity 1 (3-speed A/T) or C106 cavity 1 (4-speed A/T) to chassis ground.	Test lamp does not light.	Repair open in YEL wire between TRANSMISSION RANGE SWITCH and FUSE BLOCK 2.
	Test lamp lights.	Repair open in BLK wire between REAR COMBINATION LAMP and G300.

SYSTEM DIAGNOSIS

TEST	RESULT	ACTION
9. Disconnect connector C104.	Backup lamps go out.	Replace BACKUP LAMP SWITCH.
	Backup lamps remain lit.	Repair short to voltage in RED or BRN/RED wire between BACKUP LAMP SWITCH and REAR COMBINATION LAMP.
10. Disconnect TRANSMISSION RANGE SWITCH connector C2 (3-speed A/T) or C106 (4-speed A/T).	Backup lamps go out.	Replace TRANSMISSION RANGE SWITCH.
	Backup lamps remain lit.	Repair short to voltage in RED or BRN/RED wire between TRANSMISSION RANGE SWITCH and REAR COMBINATION LAMP.

COMPONENT REPLACEMENT INFORMATION

For component replacement procedures, refer to the section listed below.

Backup Lamp Switch.....Section 7B
Transmission Range Switch .....Section 7A

CIRCUIT OPERATION

Whenever the Ignition Switch is in either the "ON" or "START" position, battery voltage is applied through the TURN BACK Fuse to the BACKUP LAMP SWITCH (Manual Transmission) or the TRANSMISSION RANGE SWITCH (Automatic Transmission). When the manual selector is placed in "R," the switch closes and battery voltage is applied to the Backup Lamps in the REAR COMBINATION LAMPS. The REAR COMBINATION LAMPS are permanently grounded at G300.