DIAGNOSIS AND TESTING (Continued)

LAMP-OUT WARNING SYSTEM: QUICK TEST Lamp-out warning not displayed when a lamp is burned out OR Lamp-out warning is displayed without an actual lamp failure

TEST STEP		RESULT >		ACTION TO TAKE
Step 1	VERIFY THE CONDITION			GO to Step 2.
Step 2	CHECK HEADLAMPS, TAIL LAMPS AND BRAKELAMPS			
	 Turn ignition switch to ACC or RUN. Turn on low beam headlamps and brakelamps. Are headlamps, rear parking lamps and brakelamps working properly? 	Yes No		GO to Step 3. SERVICE fuses, switches, bulbs, sockets or wiring as necessary. REPEAT test.
Step 3	CHECK WARNING INDICATORS			
	 For vehicle with conventional cluster: Is LAMP OUT indicator on? For vehicle with electronic cluster: Are HEADLAMP OUT and REAR LAMP OUT indicators on? 	Yes		GO to Step 4.
		No		REFER to Pinpoint Test B as outlined to complete system verification.
Step 4	DISCONNECT LAMP-OUT MODULE			
	Turn lamps and ignition OFF. Disconnect lamp-out module. Turn lamps and ignition ON. Is outage warning still being displayed? NOTE: Voltage measurements must use Rotunda Digital Volt / Ohmmeter 014-00407, 007-00001 or equivalent.	Yes		CHECK outage indicator circuits for shorts to ground: 135 (Y/R) (module Pin 5) 132 (O/BK) (module Pin 7) 130 (R/LG) (module Pin 8)
				SERVICE as necessary. REPEAT test.
		No		REFER to Pinpoint Test A as outlined.

TK13184C

PINPOINT TESTA LAMP-OUT WARNING ILLIMINATED WHEN LAMPS ARE OPERATING PROPERLY

	TEST STEP	RESULT	ACTION TO TAKE
A1	CHECK REFERENCE VOLTAGES AT HARNESS CONNECTOR		os Supraminis 2 2 25 Ostaj 101 - 1 2 2 2
- Cast	 Disconnect module. Check voltage between ground Circuit 57 (BK) and the reference circuits of the lamp outage module harness connector. The voltage should be between 10 and 15 volts: Check voltage between Pin 14 (ground Circuit 57 BK) and Pin 13 (LH brake lamp reference Circuit 9 LG/O). Check voltage between Pin 14 (ground Circuit 57 BK) and Pin 3 (RH brakelamp reference Circuit 5 O/LB). Check voltage between Pin 14 (ground Circuit 57 BK) and Pin 15 (parking lamp reference Circuit 14 BR). Check voltage between Pin 14 (ground Circuit 57 BK) and Pin 16 (headlamp reference Circuit 505 GY/Y). Is voltage between 10 and 15 volts? 	Yes No	GO to A2. CHECK circuits for opens or high resistance. CHARGE vehicle if necessary. REPEAT diagnostic test.