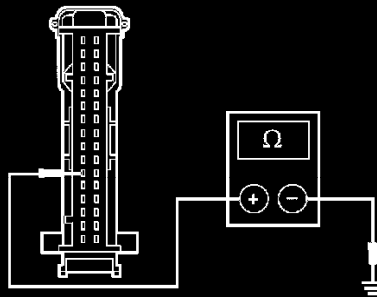


Courtesy Lamp: Pinpoint Tests

Test E: The Interior Lamps Stay On Continuously

PINPOINT TEST E: THE INTERIOR LAMPS STAY ON CONTINUOUSLY

PINPOINT TEST E: THE INTERIOR LAMPS STAY ON CONTINUOUSLY		Result / Action to Take
Test Step		
E1	CHECK THE DOOR, DECKLID AND LIFTGATE AJAR SJB PIDs	Yes GO to E5. No GO to E2.
	<ul style="list-style-type: none"> Key in ON position. Enter the following diagnostic mode on the scan tool: SJB Door Ajar PIDs. Close all doors, the decklid or liftgate. Does any door, decklid or liftgate ajar PID read open? 	
E2	CHECK THE DIMMER CONTROL SWITCH	Yes GO to E3. No INSTALL a new dimmer control switch. TEST the system for normal operation.
	<ul style="list-style-type: none"> Key in OFF position. Disconnect: Dimmer Control Switch C2065. Observe the interior lamps. Are the interior lamps still illuminated? 	
E3	CHECK CIRCUIT 1404 (YE) FOR A SHORT TO GROUND	Yes GO to E4. No REPAIR the circuit. TEST the system for normal operation.
	<ul style="list-style-type: none"> Disconnect: SJB C2280d. Measure the resistance between the SJB C2280d-11, circuit 1404 (YE), harness side and ground.  <p>N0035241</p> <ul style="list-style-type: none"> Is the resistance greater than 10,000 ohms? 	
E4	CHECK CIRCUIT 53 (BK/LB) FOR A SHORT TO VOLTAGE	Yes REPAIR the circuit. TEST the system for normal operation. No GO to E9.
	<ul style="list-style-type: none"> Disconnect: SJB C2280e. Key in ON position. Observe the interior lamps. Are the interior lamps still illuminated? 	
E5	CHECK THE DOOR AJAR SWITCH CIRCUIT	
	<ul style="list-style-type: none"> Key in OFF position. Disconnect: SJB C2280c. Close the suspect door. 	

(Continued)

E1-E5

PINPOINT TEST E: THE INTERIOR LAMPS STAY ON CONTINUOUSLY (Continued)

Test Step		Result / Action to Take																													
E5	CHECK THE DOOR AJAR SWITCH CIRCUIT (Continued)																														
<ul style="list-style-type: none"> Measure the resistance between the suspect door ajar circuit at the SJB connector, harness side and ground as follows: 																															
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<ul style="list-style-type: none"> Is the resistance less than 5 ohms? 		Yes GO to E9. No GO to E6.																													
E6	CHECK THE DOOR AJAR SWITCH																														
<ul style="list-style-type: none"> Disconnect: Suspect Door Ajar Switch. Connect a jumper wire between the suspect door ajar switch connector pins, harness side. Measure the resistance between the SJB connector, harness side and ground as follows: 																															
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<ul style="list-style-type: none"> Is the resistance less than 5 ohms? 		Yes INSTALL a new door ajar switch. CLEAR the DTCs. REPEAT the self-test. No REMOVE the jumper wire. GO to E7.																													
E7	CHECK THE DOOR AJAR SWITCH CIRCUIT FOR AN OPEN																														
<ul style="list-style-type: none"> Measure the resistance between the SJB, harness side and the suspect door ajar switch, harness side as follows: 																															
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<ul style="list-style-type: none"> Is the resistance less than 5 ohms? 		Yes GO to E8. No REPAIR the door ajar switch circuit in question. CLEAR the DTCs. REPEAT the self-test.																													

(Continued)

PINPOINT TEST E: THE INTERIOR LAMPS STAY ON CONTINUOUSLY (Continued)																						
Test Step		Result / Action to Take																				
E8	CHECK CIRCUIT 1205 (BK) FOR AN OPEN	<p>Yes GO to E9.</p> <p>No REPAIR the door ajar ground circuit in question. CLEAR the DTCs. REPEAT the self-test.</p>																				
<ul style="list-style-type: none"> Measure the resistance between the suspect door ajar switch, harness side and ground as follows: <table border="1"> <thead> <tr> <th>Suspect Door Ajar Switch</th> <th>Connector-Pin</th> <th>Circuit</th> </tr> </thead> <tbody> <tr> <td>LH front door</td> <td>C526-1</td> <td>1205 (BK)</td> </tr> <tr> <td>RH front door</td> <td>C602-1</td> <td>1205 (BK)</td> </tr> <tr> <td>LH rear door</td> <td>C715-1</td> <td>1205 (BK)</td> </tr> <tr> <td>RH rear door</td> <td>C820-1</td> <td>1205 (BK)</td> </tr> <tr> <td>Liftgate (Freestyle)</td> <td>C479-B</td> <td>1205 (BK)</td> </tr> <tr> <td>Decklid (Five Hundred)</td> <td>C4302-3</td> <td>1205 (BK)</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Is the resistance less than 5 ohms? 			Suspect Door Ajar Switch	Connector-Pin	Circuit	LH front door	C526-1	1205 (BK)	RH front door	C602-1	1205 (BK)	LH rear door	C715-1	1205 (BK)	RH rear door	C820-1	1205 (BK)	Liftgate (Freestyle)	C479-B	1205 (BK)	Decklid (Five Hundred)	C4302-3
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Decklid (Five Hundred)	C4302-3	1205 (BK)																				
E9	CHECK FOR CORRECT SJB OPERATION	<p>Yes INSTALL a new SJB. TEST the system for normal operation.</p> <p>No The system is operating correctly at this time. The concern may have been caused by a loose or corroded connector. CLEAR the DTCs. REPEAT the self-test.</p>																				
<ul style="list-style-type: none"> Disconnect all the SJB connectors. Check for: <ul style="list-style-type: none"> — corrosion — pushed-out pins Connect all the SJB connectors and make sure they seat correctly. Operate the system and verify the concern is still present. Is the concern still present? 																						

E8-E9**Normal Operation**

Ground for the ajar switches is provided through circuit 1205 (BK). When any door or decklid/liftgate is ajar, the ground circuit to the smart junction box (SJB) is interrupted. The open circuit signals the SJB to illuminate the interior lamps. Also, the dimmer control switch provides an input to the SJB to request interior lamps. Circuit 1404 (YE) is monitored by the SJB, when this circuit is grounded, it signals the SJB to illuminate the interior lamps. The SJB provides voltage to the individual lamps through circuit 53 (BK/LB).

Possible Causes

- Circuit 53 (BK/LB) short to voltage
- Circuit 700 (WH/VT) open
- Circuit 1312 (LG/BK) open
- Circuit 1314 (YE/LG) open
- Circuit 1404 (YE) short to ground
- Circuit 1742 (VT/LG) open
- Circuit 1754 (RD) open
- Door ajar switch
- Dimmer control switch
- SJB