

DIAGNOSIS (Continued)

(Continued)

PINPOINT TEST F
POWER LOCKS (Continued)

TEST STEP	RESULT	ACTION TO TAKE
F11 CHECK MODULE OUTPUT		
<ul style="list-style-type: none"> With both connectors (J1, J2) connected, depress lock button and measure voltage at Pins 2 and 16 of connector (J1) to ground. Also measure the voltage at Pin 3, 6 and 18 of connector (J1) to ground while unlock button is depressed. VOM reading: 	10 or more volts when depressed Less than 10 volts when depressed More than 10 volts when not depressed	SERVICE Circuit 163, 117, 118, 119 or 120 for open or short. REPEAT Quick Test. REPLACE module. REPEAT Quick Test. REPLACE module. REPEAT Quick Test.
F12 POWER TO ACTUATOR WITH DOOR SWITCH UNLOCK		
<ul style="list-style-type: none"> Check voltage between the suspect lock actuator Circuit 118 and ground while pressing the UNLOCK position of the door switch. Is voltage 10 volts or greater? 	Yes No	REPLACE actuator. Refer to Section 01-14A. REPEAT Quick Test. SERVICE open or short in Circuit 120, 119, 118 or 117. REPEAT Quick Test.
F13 ONE OR MORE SWITCHES DO NOT WORK		
<ul style="list-style-type: none"> Key OFF. Disconnect module connector (J1). Remove trim panel of the door with the faulty switch. Check continuity between Pin 4 of connector (J1) and lock position terminal of the door switch (locking Circuit 119). Check continuity between Pin 5 of connector (J1) and unlock position terminal of the door switch (unlocking Circuit 120). Check continuity between ground terminal of the door switch and ground (Circuit 57). Is there continuity? 	Yes No	REPLACE door switch. REFER to Section 01-14A. REPEAT Quick Test. SERVICE open in Circuit(s) 119, 120 and/or 57. REPEAT Quick Test.
F14 LOCKS WILL ONLY LOCK OR UNLOCK		
<ul style="list-style-type: none"> Key OFF. Disconnect module connector (J1). Check Circuit 57, ground to switches. Check continuity between Pin 4 (Pin 5 if doors will not unlock) of connector (J1) and ground while pressing the lock (unlock) position of one of the door switches. 	Continuity Open circuit from Pin 4 or 5 to ground only Open Circuit 57	GO to F15. GO to F16. SERVICE open in Circuit 57. REPEAT Quick Test.
F15 CHECK OUTPUT FROM MODULE		
<ul style="list-style-type: none"> With both connectors (J1),(J2) connected check voltage between Pins 2 and 16 of connector (J1) (Pins 3, 6 and 18 for unlock) and ground while pressing the lock (unlock) position of one of the door switches. Is voltage 10 volts or greater? 	Yes No	SERVICE open or short in Circuit 117 (118 or 163 for unlock). REPEAT Quick Test. REPLACE module. REPEAT Quick Test.
F16 CHECK DOOR SWITCH FUNCTION		
<ul style="list-style-type: none"> Check continuity between ground and Circuit 119 for lock (120 for unlock) connection to door locking switch while pressing the lock (unlock) position of the switch. Is there continuity? 	Yes No	SERVICE break in Circuit 119 (120 for unlock). REPEAT Quick Test. SERVICE door switch. REFER to Section 01-14A. REPEAT Quick Test.
F17 LOCKS WORK INTERMITTENTLY		
<ul style="list-style-type: none"> Key OFF. Disconnect connectors (J1, J2). Check continuity to ground at Pins 1 and 15 of connector (J1) and at Pin 5 of connector (J2). 	Continuity No continuity at connector (J1)	CHECK and SERVICE loose connections. REPEAT Quick Test. SERVICE Circuit 57. REPEAT Quick Test.