

DIAGNOSIS (Continued)

PINPOINT TEST F
POWER LOCKS (Continued)

TEST STEP	RESULT	ACTION TO TAKE
F3 CHECK MODULE GROUNDS		
<ul style="list-style-type: none"> Disconnect module connectors (J1, J2). Check continuity between Pins 1 and 15 of connector (J1) and ground. Check continuity between Pin 5 of connector (J2) and ground. 	Continuity No continuity at connector (J1) No continuity at connector (J2)	GO to F4. SERVICE open in Circuit 57. REPEAT Quick Test. SERVICE open in Circuit 397. REPEAT Quick Test.
F4 DOES CIRCUIT BREAKER BLOW WHEN SWITCH ACTIVATES?		
<ul style="list-style-type: none"> Reconnect module connectors (J1, J2). Activate the lock and unlock switches. Check fuse No. K, located in power distribution box. Is fuse blown? 	No Yes	GO to F5. CHECK for short to ground in Circuits 163, 118 and 117 or shorted lock actuator. SERVICE then REPLACE fuse. REPEAT Quick Test.
F5 CHECK LOCK ACTUATORS		
<ul style="list-style-type: none"> Manually lock all doors. Connect a jumper between ground and Pins 2 and 16 of module connector (J1) with connector (J1) disconnected. With a second jumper, momentarily connect together Pins 14 and 25 of connector (J1) and Pins 6 and 18 of connector (J1). (Only passenger doors should unlock.) Momentarily connect together Pins 14 and 25 of connector (J1) and Pin 3 of connector (J1). (Driver's door should now unlock.) 	All doors unlocked Only driver's door unlocked Only passenger doors unlocked	GO to F6. SERVICE Circuit(s) 117 or 118 or passenger lock motor(s). REPEAT Quick Test. SERVICE Circuit(s) 163 or 117 or driver's lock motor. REPEAT Quick Test.
F6 CHECK LOCK SWITCHES		
<ul style="list-style-type: none"> Test for lock switch stuck in LOCK or UNLOCK position. NOTE: May be mechanically stuck, check switch using meter.	No Yes	REPLACE switch. REPEAT Quick Test. GO to F7.
F7 SHORT BETWEEN LOCK AND UNLOCK CIRCUITS		
<ul style="list-style-type: none"> Disconnect module connector (J1). Measure continuity between Pin 4 of connector (J1) and Pin 5 of connector (J1). Is there continuity? 	No Yes	GO to F8. SERVICE the short between Circuits 119 and 120. REPEAT Quick Test
F8 CHECK LOCK SWITCHES FOR SHORT TO GROUND		
<ul style="list-style-type: none"> Disconnect module connector (J1). Check for short to ground between Pin 4 of connector (J1) and ground. Check for short to ground between Pin 5 of connector (J1) and ground. Is there a short? 	No Yes	REPLACE module. REPEAT Quick Test. SERVICE short to ground in Circuit 119 or 120. REPEAT Quick Test.
F9 ONE OR MORE LOCKS DO NOT WORK		
<ul style="list-style-type: none"> Manually cycle the lock several times to check for latch or linkage binding. Is latch or linkage binding? 	No Yes	GO to F10. LUBRICATE lock and linkage.
F10 POWER TO ACTUATOR WITH DOOR SWITCH LOCK		
<ul style="list-style-type: none"> Remove trim panel on the door. Check voltage between the suspect lock actuator and ground while pressing the lock of a door switch. Is voltage 10 volts or greater? 	Yes No	GO to F12. GO to F11.