

DIAGNOSIS AND TESTING (Continued)

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PINPOINT TEST A: WINDSHIELD WASHER DOES NOT OPERATE

TEST STEP	RESULT	ACTION TO TAKE
A1 CHECK FLUID LEVEL		
<ul style="list-style-type: none"> ● Check fluid level in reservoir. ● Is fluid level good? 	Yes No	GO to A2. Fill Reservoir.
A2 CHECK WASHER OPERATION		
<ul style="list-style-type: none"> ● Activate washer switch. ● Check pump for operation. 	Motor inoperative Motor operates, but will not squirt fluid Pump squirts fluid but wipers do not wipe	GO to A3. GO to A8. GO to A10.
A3 CHECK WCM OUTPUT		
<ul style="list-style-type: none"> ● Turn ignition on. ● Depress washer switch. ● Check for battery voltage at circuit 941 (BK/W) at washer pump. ● Is battery voltage present? 	Yes No	GO to A7. GO to A4.
A4 CHECK FOR POWER TO WCM		
<ul style="list-style-type: none"> ● Check for battery voltage at circuit 65 (DG) of the WCM Pin J1-2. ● Is battery voltage present? 	Yes No	GO to A5. CHECK for: <ul style="list-style-type: none"> ● Open circuit breaker. ● Open connector. ● Open wire circuit 65 (DG). SERVICE as required.
A5 CHECK CONTINUITY OF SWITCH		
<ul style="list-style-type: none"> ● Disconnect connector from WCM. ● Depress washer switch. ● Measure resistance between circuit 993 (BR/W) and circuit 590 (DB/W). ● Is there continuity? 	Yes No	GO to A6. CHECK for: <ul style="list-style-type: none"> ● Open wire between wiper switch and WCM. ● Damaged wiper/washer switch. SERVICE or REPLACE as required.
A6 CHECK FOR VOLTAGE TO MOTOR		
<ul style="list-style-type: none"> ● Reconnect connector to WCM. ● Turn ignition switch to run position. ● Depress washer switch. ● Measure voltage at circuit 58 (W) at WCM connector. ● Is battery voltage present? 	Yes No	CHECK for: <ul style="list-style-type: none"> ● Open circuit 58 (W) between WCM and wiper motor. REPLACE damaged WCM.
A7 CHECK GROUND AT WASHER PUMP		
<ul style="list-style-type: none"> ● Using an ohmmeter, check ground at the pump. ● Is the ground functional? 	Yes No	REPLACE washer pump. SERVICE ground.
A8 INSPECT HOSE AND NOZZLE		
<ul style="list-style-type: none"> ● visually inspect washer hose and nozzle for blockage or hose kinks. ● Is hose blocked or kinked? 	Yes No	CLEAN, REPLACE, or SERVICE nozzle or hoses. GO to A9.
A9 CHECK FOR BLOCKAGE AT WASHER PUMP OUTLET		
<ul style="list-style-type: none"> ● Disconnect hose at reservoir and check for blockage at washer pump outlet. ● Is hose blocked at washer pump outlet? 	Yes No	REMOVE washer pump from reservoir and clean. REPLACE washer pump.