Wipers Inoperative - One or More Modes

Test Description

The numbers below refer to the step numbers on the diagnostic table.

5. This step tests for continuity through the 390 ohms resistor in the windshield wiper/washer switch.
6. This step tests for continuity through the delay resistors in the windshield wiper/washer switch. The measured resistance will change in sequence from low to high as the delay speed is increased.

Step	Action	Values	Yes	No
Schematic Reference: Wiper/Washer Schematics *Connector End View Reference:* *Wiper/Washer Connector End Views* DEFINITION: Windshield wipers are inoperative in one or more modes.				
1	Did you perform the Wiper/Washer System Description and Operation and perform the necessary inspections?	--	Go to Step 2	Go to Symptoms - Wiper/Washer Systems
2	1. Turn the ignition ON, with the engine OFF. 2. Attempt to operate the windshield wipers in all modes. Does the system operate normally?	--	Go to Testing for Intermittent Conditions and Poor Connections in Wiring Systems	Go to Step 3
3	Do the windshield wipers operate in the high speed mode?	--	Go to Step 5	Go to Step 4
4	1. Turn the ignition OFF. 2. Disconnect the multifunction turn signal harness connector C3. 3. Connect a fused jumper wire from the windshield wiper switch high signal circuit terminal in the body harness connector half to a good ground.	--	Go to Step 8	Go to Step 7

	4. Turn the ignition ON, with the engine OFF. Do the windshield wipers operate at high speed?			
5	1. Turn the ignition OFF. 2. Disconnect the windshield wiper motor module connector. 3. Test the resistance from the windshield wiper switch voltage supply circuit terminal to the windshield wiper switch signal circuit terminal in the windshield wiper motor harness connector. 4. Operate the windshield wiper/washer switch in the following positions: • MIST • LO Is the resistance near the specified value in all of the listed switch positions?	390 ohms	Go to Step 6	Go to Step 9
6	1. Test the resistance from the windshield wiper switch voltage supply circuit terminal to the windshield wiper switch signal circuit terminal in the windshield wiper motor harness connector. 2. Operate the windshield wiper/washer switch in all of the delay positions. Does the resistance remain within the specified values from low to high as the delay speed is increased?	1000 ohms-10K ohms	Go to Step 13	Go to Step 11
7	Test the windshield wiper switch high signal circuit for an open or high resistance. Refer to Circuit Testing and to Wiring Repairs in Wiring Systems. Did you find and correct the condition?	--	Go to Step 15	Go to Step 13

8	Repair the wiper switch ground circuit for an open or high resistance. Refer to Circuit Testing and to Wiring Repairs in Wiring Systems. Is the repair complete?	--	Go to Step 15	--
9	Test the windshield wiper switch voltage supply circuit for an open or short to ground. Refer to Circuit Testing and to Wiring Repairs in Wiring Systems. Did you find and correct the condition?	--	Go to Step 15	Go to Step 10
10	Test the windshield wiper switch signal circuit for an open or short to ground. Refer to Circuit Testing and to Wiring Repairs in Wiring Systems. Did you find and correct the condition?	--	Go to Step 15	Go to Step 11
11	Inspect for poor connections at the windshield wiper/washer switch. Refer to Testing for Intermittent Conditions and Poor Connections and to Connector Repairs in Wiring Systems. Did you find and correct the condition?	--	Go to Step 15	Go to Step 12
12	Replace the windshield wiper/washer switch. Refer to Turn Signal Multifunction Switch Replacement in Steering Wheel and Column. Did you complete the replacement?	--	Go to Step 15	--
13	Inspect for poor connections at the windshield wiper motor module. Refer to Testing for Intermittent Conditions and Poor Connections and to Connector Repairs in Wiring Systems. Did you find and correct the condition?	--	Go to Step 15	Go to Step 14