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## Interval Wiper/Washer

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### How the Circuit Works

The 1994 EVTM's have incorporated the details of How The Circuit Works on the Schematics. Please refer to the Schematics for information on How The Circuit Works.

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### Troubleshooting Hints

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CONDITION	POSSIBLE CAUSE	ACTION
<ul style="list-style-type: none"><li>Wipers do not operate.</li></ul>	<ul style="list-style-type: none"><li>No power or ground to the Interval Wiper/Washer Module</li></ul>	<ul style="list-style-type: none"><li>Check for blown fuse 3. With ignition in RUN, check for battery voltage between pin 2 and pin 3 or 5 of the Interval Wiper/Washer Module. If no voltage is present, check for an open in circuits 65 and 57.</li></ul>
<ul style="list-style-type: none"><li>Windshield Wiper Motor</li></ul>	<ul style="list-style-type: none"><li>Open circuits between wiper motor and Interval Wiper/Washer Module</li><li>Open circuits between Interval Wiper/Washer Module and Multi-Function Switch</li><li>Damaged Multi-function Switch</li><li>Damaged Windshield Wiper Motor or linkage</li><li>Damaged Interval Wiper/Washer Module</li></ul>	<ul style="list-style-type: none"><li>With the Interval Wiper/Washer Module connected, ignition in RUN, and Multi-function Switch turned to LO, check for battery voltage between circuits 61 and 56 of the Windshield Wiper Motor connector.<ul style="list-style-type: none"><li>Voltage present: Check for damaged Windshield Wiper Motor or linkage.</li><li>No voltage:<ul style="list-style-type: none"><li>Check resistance between circuits 993 &amp; 589 at the Interval Wiper/Washer Module connector. If resistance is less than 3.5K ohms but greater than 4.5K ohms, service for open circuit or damaged Multi-function Switch.</li><li>Check continuity of circuits 61 &amp; 56. If OK, replace the Interval Wiper/Washer Module.</li></ul></li></ul></li></ul>
<ul style="list-style-type: none"><li>Wipers will not turn off.</li></ul>	<ul style="list-style-type: none"><li>Unseated connectors or open circuits</li><li>Damaged Windshield Wiper Motor or Interval Wiper/Washer Module</li><li>Damaged Multi-function Switch</li></ul>	<ul style="list-style-type: none"><li>Check that Windshield Wiper Motor and Interval Wiper/Washer Module connectors are not unseated. If OK, disconnect Windshield Wiper Motor connectors. With ignition in RUN and Multi-function Switch at OFF, check continuity between circuits 28 &amp; 56 and between circuits 61 &amp; 63.<ul style="list-style-type: none"><li>Continuity: Service for damaged Windshield Wiper Motor.</li><li>No continuity:<ul style="list-style-type: none"><li>Check continuity of above circuits between Windshield Wiper Motor and the Interval Wiper/Washer Module connectors. Repair any open circuits found.</li><li>With Multi-function Switch at OFF, measure resistance between circuits 589 and 993. If resistance is between 45K ohms and 50K ohms, replace Interval Wiper/Washer Module. If resistance is out of range, check for open circuits between the Interval Wiper/Washer Module and Multi-function Switch and for damaged switch.</li></ul></li></ul></li></ul>

CONDITION	POSSIBLE CAUSE	ACTION
<ul style="list-style-type: none"> <li>Wipers will not park.</li> </ul>	<ul style="list-style-type: none"> <li>No power ground at Windshield Wiper Motor</li> <li>Damaged Windshield Wiper Motor, wiper linkage, or Interval Wiper/Washer Module</li> <li>Damaged Multi-function Switch</li> </ul>	<ul style="list-style-type: none"> <li>Turn ignition switch to RUN and Multi-function Switch to OFF; disconnect wiper motor connectors. Check for battery voltage at circuit 65 &amp; for ground at circuit 57 at the motor connector. Service for open circuit if voltage and ground are not present. Check continuity between circuits 28 &amp; 56 and between circuits 61 &amp; 63 as in case where wipers will not turn OFF. Service circuits of the Wiper Motor, Interval Wiper/Washer Module, or Multi-function Switch as required.</li> </ul>
<ul style="list-style-type: none"> <li>Windshield washer inoperative; wipers operate when washer switch is depressed.</li> </ul>	<ul style="list-style-type: none"> <li>No power or ground to washer pump</li> <li>Damaged washer pump or Multi-function Switch</li> </ul>	<ul style="list-style-type: none"> <li>With ignition in RUN, depress washer switch and check for battery voltage between circuits 941 and 57 of the washer pump. <ul style="list-style-type: none"> <li>Voltage present: Check for damaged washer pump.</li> <li>No voltage: <ol style="list-style-type: none"> <li>While depressing the washer switch, check for continuity between circuits 993 &amp; 590. If resistance is greater than 5 ohms, service for open circuit or damaged Multi-function Switch.</li> <li>Check continuity of circuit 941 between the washer pump and the Interval Wiper/Washer Module. Also check ground connection to the washer pump. If OK, replace the Interval Wiper/Washer Module.</li> </ol> </li> </ul> </li> </ul>

**REFERENCE :**For diagnostic information, refer to «[Section 01-16](#) » of the Service Manual.