

Rain Sensitive Wipers (if equipped)

When equipped, the rain sensitive wiper feature replaces the intermittent wiper feature. The rain sensitive feature is active when the wiper/washer switch is in any of the 5 auto/intermittent sensitivity settings. The setting closest to OFF is the least sensitive to moisture, the highest setting being the most sensitive to moisture.

The rain sensor sends data through the LIN to the windshield wiper motor. Based on the data received from the rain sensor and the auto/intermittent setting from the wiper/washer switch, the system automatically activates and adjusts the wiper speed and frequency when moisture is detected on the windshield.

If a fault is detected with the rain sensitive feature, the windshield wipers change to a default intermittent mode. The timing of the wipers correspond to a standard intermittent setting based on the auto/intermittent sensitivity setting on the wiper/washer switch.

Wiper Activated Exterior Lamps

When the headlamp switch is set to AUTO, the BCM turns the exterior lamps on within 10 seconds of the windshield wipers being activated by the wiper/washer switch. Approximately 60 seconds after the windshield wipers turn off, the BCM turns the exterior lamps off.

If the rain sensitive wipers are activated by moisture detected on the windshield when the headlamp switch is in the AUTO position, the BCM turns the exterior lamps on after a time delay. Shortly after the rain sensitive wipers are deactivated (moisture no longer detected on the windshield), the BCM turns the exterior lamps off after a time delay.

DESCRIPTION AND OPERATION > WIPERS AND WASHERS - SYSTEM OPERATION AND COMPONENT DESCRIPTION > COMPONENT DESCRIPTION

Wiper/Washer Switch

The wiper/washer switch is part of the multifunction switch which is mounted directly to the SCCM. The windshield wiper/washer inputs to the SCCM are:

- Windshield wash
- Off
- AUTO 1/INT 1
- AUTO 2/INT 2
- AUTO 3/INT 3
- AUTO 4/INT 4
- AUTO 5/INT 5
- Low
- High

Windshield Wiper Motor

The windshield wiper motor contains a logic module, internal sensors to monitor the wiper arm position, and a multi-speed motor. The logic module from the windshield wiper motor continuously monitors the