

wiper/washer switch inputs from the SCCM and the rain sensor when the ignition is on. Depending on the input, the wiper motor activates to achieve the desired request.

The windshield wiper motor is mounted to the wiper and linkage assembly.

Washer Pump

The washer pump is controlled by the windshield wiper motor. The washer pump delivers washer solvent to the windshield (and the front camera lens if equipped with a front camera) when the windshield wiper motor activates the windshield washer relay (internal to the windshield wiper motor), which provides voltage to the washer pump. When activated, the washer pump delivers washer solvent to the windshield (and the front camera lens, if equipped).

Rain Sensor

The rain sensor uses an infrared beam to optically sense moisture on the windshield. The intensity of the reflected beam is measured and compared to the intensity of the transmitted beam. If there is water on the surface of the windshield the beam distorts, reducing the intensity of the beam. If the beam is not reflected completely, it is interpreted as rain on the windshield and the windshield wipers are activated.

A gel-type lens is used as the interface between the rain sensor and the windshield. If the lens is missing or damaged, the rain sensing wipers can be inoperative. The rain sensor gel-type lens cannot be replaced separately on a rain sensor of this type.

DIAGNOSIS AND TESTING > WIPERS AND WASHERS > DTC CHARTS > BCM DTC CHART

Diagnostics in this article assume a certain skill level and knowledge of Ford-specific diagnostic practices. REFER to: Diagnostic Methods .

DTC	Description	Action
B130F:12	Run Accessory Control: Circuit Short To Battery	GO to Pinpoint Test A
B130F:14	Run Accessory Control: Circuit Short To Ground or Open	If the windshield wipers are inoperative, GO to Pinpoint Test A If the windshield wipers operate with the ignition off, GO to Pinpoint Test D
All other Diagnostic Trouble Codes (DTCs)	-	REFER to: Body Control Module (BCM) .

DIAGNOSIS AND TESTING > WIPERS AND WASHERS > DTC CHARTS > SCCM DTC CHART

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