

# RAIN SENSOR

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## DIAGNOSIS

### 1. TROUBLE SHOOTING

**Symptom 1. The wiper does not operate one cycle when turning the multifunction wiper switch to the "AUTO" from the "OFF" position or starting the engine while the wiper switch is in the "AUTO" position.**

1. When starting the engine with the multifunction wiper switch in the "AUTO" position, the wiper operates one cycle to remind a driver that the wiper switch is in the "AUTO" position.
2. When the wiper switch is turned to "AUTO" from "OFF", the wiper operates one cycle. It always operates one cycle for the initial operation, however, the wiper does not operate afterwards to prevent the wiper blade wear if not raining when turning the wiper switch to "AUTO" from "OFF". However, the wiper operates up to 5 minutes after rain stops. If this function does not occur, check No. 8 pin. If the pin is normal, check the wiper relay related terminals in the ICM box.

**Symptom 2. It rains but the system does not work in the "AUTO" position.**

1. Check whether the multifunction wiper switch is in the "AUTO" position.
2. Check the power to the sensor. Check the conditions of the pin 3 (Ground) and the pin 4 (IGN).
3. Check the wiper relay for defective.

**Symptom 3. The wiper operates 3 or 4 times at high speed abruptly.**

Check whether the variable resistance knob on the multifunction wiper switch is set in "FAST". The "FAST" is the highest stage of the sensitivity and very sensitive to small amount of rain drops. Therefore, change the knob to the low sensitivity.

**Symptom 4. The wiper operates continuously even on the dry glass.**

1. Check the wiper blade for wear. If the wiper blade cannot wipe the glass uniformly and clearly, this problem could be occurred. In this case, replace the wiper blade with a new one.  
Check whether the variable resistance knob on the multifunction wiper switch is set in
2. "FAST". The "FAST" is the highest stage of the ensitivity and very sensitive to small amount of rain drops. Therefore, change the knob to the low sensitivity.

Modification basis	
Application basis	
Affected VIN	

**Symptom 5. The wiper does not operate at high speed even in heavy rain.**

Check if the wiper operates at high speed when grounding pin 1 and pin 2.

**Symptom 6. The wiper responses are too fast or slow.**

Check whether the variable resistance knob on the wiper switch is set in "FAST" or "SLOW".  
Notify that the customer can select the sensitivity by selecting the variable resistance value.  
And, select a proper stage.

Modification basis	
Application basis	
Affected VIN	