SIB 61 02 23   2023-02-16

WINDSHIELD WIPER MOTOR THERMAL PROTECTION

MODEL

E-Series	Model Description
F95	X5 M Sports Activity Vehicle
F96	X6 M Sports Activity Coupe
G05	X5 Sports Activity Vehicle
G06	X6 Sports Activity Coupe
G07	X7 Sports Activity Vehicle
G29	Z4 Roadster

SITUATION

Check control message (CCM) 183 "Windscreen wiper malfunction" is displayed.

CAUSE

To protect the wiper motor from overheating, "thermal wiper motor protection mode" is activated.

The wiping frequency is reduced and CCM 183 "Windscreen wiper malfunction" is displayed to the customer.

PROCEDURE

Should the above occur, verify with the customer the frequency of the message and what the environmental conditions were. Based on this information, checking the functionality and operation of the wipers may be necessary. Adjust the steering column switch to position two, spray water on the windshield for approximately 20 minutes to see if the issue re-occurs.

If the wiper motor overheats, wiping frequency will be reduced. Simultaneously, CCM 183 "Windscreen wiper malfunction" will be displayed. The wiper system is designed with thermal wiper motor protection mode to safeguard components and prevent damage.

The wiping system is OK and working by design. Inform the customer about thermal protection for the wiper system and the expected behavior.

Thermal wiper motor protection model:
- Stage 2 => Level 1 at 161 °F with CCM 183
- Stage 1 => intermittent at 165 °F with CCM 183
- Intermittent => drive is stopped at 169 °F.

Additional Notes:

Running the wiper system for a relatively long period in **dry wipe operation is not allowed.**

Effect: Wiper arm stops in the middle of the windscreen. Interval stops at 169 °F.

From a defined temperature threshold, the wiper frequency is initially limited to 41 wipe cycles per minute. As the temperature continues to increase, the system switches from continuous wipe to intermittent operation with a wiper frequency of 41 wipe cycles separated by a pause of 2 seconds.
- If the temperature continues to rise, the wiper motor is shut down
- If a defined temperature threshold is exceeded very rapidly, the control electronics switch immediately to intermittent operation with a wiper frequency of 41 wipe cycles separated by a pause of 4 seconds

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PARTS INFORMATION

A part replacement may not provide a solution.

CLAIM INFORMATION

This Service Information Bulletin provides technical and diagnosis information.

Damage and/or issues caused by outside influences are not covered under the BMW limited warranties.

Eligible and Covered Work/Repairs

Repairs that address a verified defect in materials or workmanship are covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

To submit a claim, please follow the established and applicable warranty policy and procedures (Labor/Part/Sublet) that apply to the repair being performed.

Refer to AIR for the corresponding Defect Code, flat rate labor operations (including the diagnosis that applies*) and the flat rate unit (FRU) allowances.

Only one Main labor operation code can be claimed per repair visit.

*Based on which one applies to your center, please refer to **SI B01 01 20 or B01 07 20** for the applicable procedure for documenting, claiming, and explaining, on the RO and in the claim comments, your diagnosis work time (WT), job/repair work time (WT), and the vehicle repairs your center performed, unless otherwise required by State law.

FEEDBACK REGARDING THIS BULLETIN

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