



This Service Information bulletin supersedes SI B61 01 09 **dated June 2012.**

NEW designates changes to this revision

SUBJECT

Windshield Washer Malfunctions

MODEL

All

INFORMATION

The washer fluid mixture ratio is regulated by the U.S. EPA and many individual states; do not exceed the allowable washer fluid “dilution/ratio limits” that apply. Follow the usage instructions on the washer fluid container. Only use BMW’s Windshield Washer Concentrate or the equivalent.

SITUATION

The windshield washer jets spray a very low volume of fluid or no fluid at all.

CAUSE

Situation 1

A buildup of excess manufacturing-related materials on the windshield washer pump strainer. This primarily occurs on lower mileage vehicles.

NEW Situation 2

A buildup of an organic “algae-like” substance on the windshield washer pump strainer. The algae-like substance is typically caused by using only tap water in the washer fluid tank or using tap water with a diluted windshield washer concentrate mix.

- **Explain to the customer the benefits** of only filling the windshield washer fluid tank with the appropriate “mixture,” because the root cause of the algae is caused by using tap water, especially in areas with warmer temperatures.
- Instead of tap water, use distilled water with the concentrate in order to avoid this issue from occurring again.
- **If algae have been shown to cause the failure of the washer pump, this is not considered a warranty matter. All replaced pumps and strainers will be inspected and tested (almost 50% of pumps have been shown to be working properly and did not need to be replaced).**

NEW Situation 3

The windshield washer pump strainer is damaged because “incorrect type” of cleaning fluid use or one which contains an excessive and incorrect amount of washer fluid concentrate. **This is not considered a warranty matter.**

Note: Attempting to use the windshield washers when the washer fluid reservoir is empty or when the strainer is clogged will damage the washer pump.

NEW PROCEDURE

1. Remove the washer fluid pump per ISTA Repair Instruction 61 71 100 and inspect the strainer.
2. Any remaining fluid in the washer fluid reservoir must be drained and properly discarded. Clean the reservoir tank as necessary.
3. Replace the strainer, which is installed on the intake side of the pump, as required.
4. Do not replace the washer pump, reservoir tank or windshield nozzles, provided they are still functioning properly. The washer pump can be tested using ISTA component activation in ECU functions.
5. Refill the washer fluid reservoir with the allowable ratio of approved BMW Windshield Washer Concentrate and water (not tap water: recommended distilled water).

PARTS INFORMATION

Part Number	Description	Quantity
Refer to EPC	Strainer for wash pump	1
83 19 2 221 701	BMW Windshield Washer Concentrate - 8oz	As needed
83 19 2 221 702	BMW Windshield Washer Concentrate – 16oz	As needed

WARRANTY INFORMATION

Situation one (1) is covered under the terms of the BMW New Vehicle/SAV Limited Warranty.

Defect Code:	67 63 03 12 00	
Labor Operation:	Labor Allowance:	Description:
61 71 100	Refer to KSD2	Removing and installing or replacing washing fluid pump (includes replacing the strainer)

Labor operation code 61 71 100 is a Main labor operation. If you are using a Main labor code for another repair; use the Plus code labor operation 61 71 590 instead.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowance. Enter the Chassis Number, which consists of the last 7 digits of the Vehicle Identification Number (VIN). Click on the “Search” button, and then enter the applicable flat rate labor operation in the FR code field.