

SERVICE BULLETIN



M-1053

September 20, 1995

INSTRUMENT/GAUGE REPLACEMENT GUIDELINES

General

Harley-Davidson suggests that the following guidelines be used to determine if warranty replacement is justified on an instrument that does not zero and/or exhibits moisture on the inner face of the lense.

Zero Point Tolerance

Electronic speedometers and tachometers do not have stop pins at the zero point. Zero is determined electromagnetically. As the needle moves closer to zero the magnetic field decreases, but due to variations in damping fluid, the needle may not always return to zero.

The allowable zero point range for speedometers is 0 to plus 4 mph (6.4 kph) with the power ON or plus or minus 4 mph (6.4 kph) with the power OFF.

NOTE

With respect to operating range, speedometers are calibrated to be 0 to plus 4 mph (6.4 kph) fast. Police certified speedometers are calibrated to be plus or minus 2 mph (3.2 kph).

The allowable zero point range for tachometers is +/- 2 percent of the full scale reading with the power ON.

If an instrument zero point does not fall within the allowable range, follow normal warranty procedures.

Lense Fogging

All instruments exposed to the atmosphere experience some lense fogging during certain weather conditions. Moisture in the air condenses on the inner face of the lense as the ambient temperature rises. Although design criteria allows a lengthy clearing time with the instrument powered up, clearing is accelerated if the motorcycle is moving and/or sunshine falls on the lense face.

Testing is now underway to reduce both the fogging tendency as well as the clearing time. Since replacement of speedometers, tachometers, fuel gauges and other instruments does not address the weather related issue, lense fogging is not considered to be a warranty situation.

ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO. 1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	TECHNICIAN NO. 4	RETURN THIS TO:
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