

SERVICE BULLETIN



M-1115

November 9, 2001

TSM/TSSM LIGHT BULB VOLTAGE DETECTION

Purpose

Harley-Davidson wants to assure that dealers are using the proper setup procedure for turn signal modules (TSMs) and turn signal security modules (TSSMs). This procedure is required because motorcycles equipped with a self-calibrating TSM/TSSM are designed to work with a variety of turn signal light bulbs with different current loads (domestic and HDI bulbs have different current requirements). The procedure outlined below allows the TSM/TSSM to measure the turn signal current draw when all turn signal light bulbs are operating properly. This procedure must be re-initiated after each time the vehicle's battery power is removed or interrupted so that the TSM/TSSM continues to operate properly.

When a turn signal light bulb burns out, the TSM/TSSM detects the difference in current draw and flashes the turn signal/indicator lamp at a rate double that of normal operation, informing the operator that a turn signal light bulb is not operational.

Motorcycles Involved

- All 2001-2002 models except Sportster.
- 2000 models that have been equipped with accessory Harley-Davidson security systems listed in Table 1.

Table 1. Accessory Security Systems

Domestic	HDI
68200-00 68207-00	69719-01 69720-01

Required Dealer Action

If battery power to the motorcycle is removed or interrupted for any reason, the following procedure must be performed to ensure the turn signal module continues to operate properly. This must be done before delivery of a new or repaired vehicle.

1. Reconnect battery per service manual procedures.
2. Turn the ignition switch to the IGN position.

NOTE

During the next two steps, observe the turn signals to ensure that all bulbs are operating. If you detect a burned out turn signal bulb, turn off the ignition switch, replace the bulb and disconnect the battery. Then repeat this procedure beginning with Step 1.

3. Actuate the left turn signal. Allow the turn signal bulbs to flash at least five times.
4. Actuate the right turn signal. Allow the turn signal bulbs to flash at least five times.
5. Turn off the ignition switch.

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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