

SERVICE BULLETIN



M-1057

July 16, 1996

ELECTRONIC FUEL INJECTION Intermittent High Idle

Purpose

Harley-Davidson has received reports from dealers that electronic fuel injection equipped motorcycles were experiencing intermittent high idle speeds, usually after a hot restart. Inspection of returned parts has shown that the idle speed control (ISC) pintle guide ID was undersized, causing excessive friction between the O-ring on the pintle and the pintle guide ID. With high ambient temperatures, the friction became sufficient enough to cause a binding condition in the ISC, which held the throttle in a high idle position. Further investigation has revealed this condition could occur on an unknown number of 1996 vehicles shipped from York between March and July. The ISC should be replaced **only on those motorcycles that experience the high idle speed problem.**

There could be other causes of high idle speed such as improper throttle/cruise cable adjustment or engine temperature circuit problems.

If you encounter a fuel injected motorcycle with this condition, connect the Scanalyzer and, with the engine temperature greater than 284 degrees F., check the Data Monitor menu items for abnormal readings.

Several of the key menu readings should be approximately:

RPM	—	1000 RPM
ISC	—	0 Steps
ET	—	> 284 Deg.
TP	—	3.2 Deg.
TP	—	0.4 v
Inv PW	—	3.9 ms
Advance	—	15 Deg.
IDLE/WOT	—	Yes

If the high idle condition occurs after a hot restart, and the ISC pintle appears to be extended, fax your Scanalyzer readings, along with a request for a replacement ISC, to Technical Service at (414) 343-8334. A replacement ISC, fasteners and lock plate will be sent to your dealership at no charge.

Required Dealer Action

ISC REPLACEMENT PROCEDURE

1. Remove seat, air cleaner assembly and two rear fuel tank mounting bolts.
2. Loosen front fuel tank mount, then raise and support rear of tank.
3. Standing on the left side of the motorcycle, remove the two 8 mm ISC fasteners using a 1/4 drive, 12" extension with a swivel and another 4" extension.
4. Continue repair using the appropriate steps on pages 9 – 118 in the 1995-1996 FLT Service Manual with the following exception:

Use new ISC fasteners and lockplate

5. Reassemble the motorcycle.

WARNING

After installing seat, pull upward on front of seat to be sure it is locked in position. If seat is loose, it could shift position during vehicle operation and startle the rider, causing loss of control and personal injury.

WARRANTY PROCEDURE

Use labor code 7490 for idle speed diagnosis and request an additional reimbursement of 0.5 hours for this ISC replacement. File a warranty claim in the normal manner.

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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