

SERVICE BULLETIN

M-994

March 30, 1990



FLTC/FLHTC ULTRA CHANGES & AVAILABILITY OF DIELECTRIC GREASE

Purpose

The purpose of this Bulletin is to inform you of the following:

- Changes in the FLT/FXR Service Manual for the CB transceiver
- Improved sealing of CB pod toggle switches on early 1989 models
- Change from inch to metric threads on cruise control servo motor fasteners
- Availability of dielectric grease for electrical connectors and lamp sockets

FLT/FXR Service Manual Changes

1. Some of the CB console pod switch/transceiver tests, Table 1, page 8-75 of the 1984 To 1990 FLT/FXR Service Manual, Part No. 99483-90, have changed for 1990 models as shown in Table 1 on page 2. Use the revised test connections and specifications when testing 1990 pbd's. **The revisions are printed in bold italic type, like this sentence.**
2. On page 8-66 of the 1984 To 1989 FLT/FXR Service Manual, Part No. 99483-89, the "CB Transceiver Installation" instructions specify that the Midland label be on "top". Later Transceivers may have the label on the bottom. Make certain 16-pin connector is to the right side and front when mounting the transceiver.

Installing Rubber Sealing Washers On Pod Toggle Switches

See Figure 1. Early 1989 CB pod toggle switches were assembled without rubber washer or seals under the knurled mounting nuts. Radio Sound Inc. will supply these washers free of charge. Contact them at:

Radio Sound, Inc.
1031 West Main
Louisville, KY 40202
Phone: (1-800-367-4506)

Servo Motor Fasteners

See pages 158 and 159 of the 1987 - 1990 1340 BIG TWIN PARTS CATALOG. The first 227 cruise control servo motors supplied to Harley-Davidson had "inch" thread locknuts (INDEX NO. 10 and 11) and studs. On August 11, 1988 the servo motor manufacturer changed the studs and nuts to metric threads. **The date code on the first servo motor with metric fasteners was 8224.** The Part No., thread and wrench sizes of the metric nuts are listed in Figure 2.

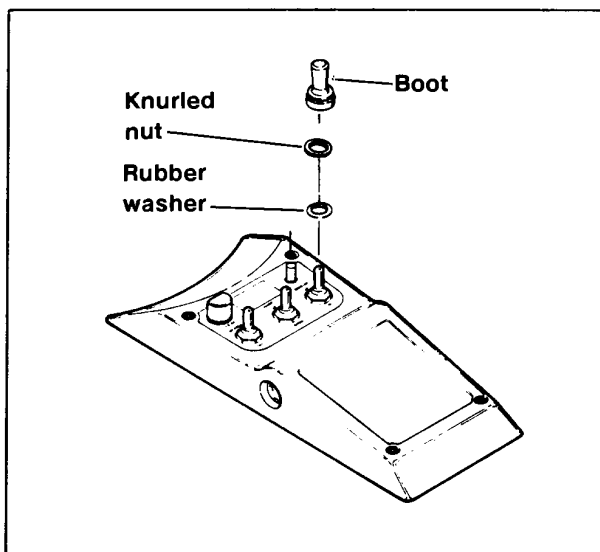


Figure 1. Seal Washers On Pod Toggle Switches

INDEX NO.	PART NO.	DESCRIPTION
10	7571	Nut, M4 X 0.7, wrench size 7 millimeters (mm)
11	7569	Nut, M6 X 1, wrench size 10 mm

Figure 2. Servo Motor Nuts Specifications

Metric nuts, Part no. 7571 and 7569 will be available about June 1st., 1990.

Please mark the above addition in your Part Catalogs.

Dielectric Grease

A dielectric grease for sealing and corrosion prevention of electrical connectors and lamp sockets is available under Part No. 99861-90.

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

Table 1. CONSOLE POD SWITCH/TRANSCIVER TESTS

SYMPTOM	PIN NO.	TEST RESULTS SHOULD BE:	CIRCUIT	ACTION
C.B. blows fuses repeatedly:	1, 5, 6, to pod DIN ground	Resistance to ground infinity	C.B. power on/off, lo/dx	Replace pod
Will not turn on or off	1 to 5	CB on/off switch closed (on): less than 1 Ohm CB on/off switch open (off): infinite Ohms	CB on/off switch	See 15. in troubleshooting chart. If transceiver is good, replace pod.
Moving switch has no effect	1 to 6	Dx: infinite Ohms Lo: less than 1 Ohm	Local/distance switch	Replace pod
Will not channel down	4 to Pod DIN ground- 1989 4 to Pin 2-1990	Channel selector neutral: infinite Ohms Channel selector pushed down: less than 1 Ohm	CB channel – down	Replace pod
Will not channel up	8 to Pod DIN ground- 1989 8 to Pin 2-1990	Channel selector neutral: infinite Ohms Channel selector pushed up: less than 1 Ohm	CB channel – up	Replace pod
Squelch adjustment has no effect	11 to Pod DIN ground	Squelch open (counterclockwise): ... less than 50 Ohms Squelch closed (clockwise): 8K - 12K Ohms	Squelch adjustment	Replace pod
Volume adjustment has no effect	14 to Pod DIN ground	8K - 12K Ohms- 1989 (position of knob will not affect reading) Infinity-1990 DIODE TESTER (Alternate method for 1990 models): Reversed biased (Positive lead to pod DIN ground, negative lead to Pin 14) Diode tester must have 2 volt output, test result must be 1.85 vdc voltage drop. See NOTE 2.	Volume adjustment	Replace pod
PTT switch has no effect	15 to Pod DIN ground	PTT pressed: high resistance PTT released: infinite Ohms DIODE TESTER (Alternate method) PTT pressed: 0.5 Volt drop PTT released: usually open circuit voltage, 1.5 Volts (may vary depending on meter)	PTT switch	Replace pod

NOTES

- (1) You **MUST** use pod DIN ground jumper (single pin attached to console pod DIN connector half that is directly connected to the pod.)
- (2) Fluke digital multimeters have a 2.0 vdc output in the diode test mode.