

SERVICE BULLETIN



M-1021

January 21, 1992

SAFETY RECALL CODE 077 1989/1990 (FX/FL SOFTAIL MODELS) POSITIVE BATTERY CABLE

General

Harley-Davidson has become aware the possibility exists that the positive battery cable used on some 1989 and 1990 FX/FL Softail models could chafe due to its proximity to the oil tank. This condition, in conjunction with the possible creation of an unintended path to ground, would create a short circuit. If this unlikely set of circumstances should occur, the resulting heat from the short circuit might result in a vehicle fire.

As a precautionary measure, Harley-Davidson recently elected to initiate a voluntary recall in the interest of motor vehicle safety. This voluntary recall applies to all 1989 and 1990 FX/FL Softail model motorcycles. The potential problem will be remedied by replacing the positive battery cable and appropriate parts on the potentially affected motorcycles. The battery cable is part of a kit that includes: a starter terminal boot, battery cushion and new lockwasher. See kit description.

If you are not sure that a safety recall has been completed on a particular motorcycle or a motorcycle is involved in a particular recall campaign, contact the Harley-Davidson Recall Information Line at 1-800-448-1708 for a computer check of our recall records.

We have attached a list that contains both registered owners of vehicles and unregistered vehicles delivered to your dealership which are involved in this campaign. To ensure the safety of all affected riders, it is your responsibility to perform the required service on all potentially affected vehicles even if the motorcycle was not purchased from your dealership. We are enclosing sufficient blank Dealer Service Cards for those vehicles. If necessary, additional cards are available through the Harley-Davidson Service Department.

WARNING

Because only registered owners as shown on the attached list will receive notification from us, we request that you contact any owners of vehicles still listed as unregistered. Advise them of the safety recall and make arrangements for them to come in for recall service. We also require that you provide us with their names addresses and VIN's as soon as

possible to enable us to mail them an owner's letter as required by the National Traffic and Motor Vehicle Safety Act as amended.

Your initial shipment of 15 kits, Part Number 93652, will begin on January 23, 1992. All code 077 kits will be shipped no charge, transportation paid.

Once the initial shipment is complete, use the special order form (attached) to order the remainder of your total 077 requirements. All kits ordered on this form will also be sent no charge, transportation paid.

The kit, Part Number 93652, consists of:

Qty	Description
1	Battery positive cable
1	Starter terminal boot
1	Battery cushion
1	Lockwasher

Procedure

1. Remove seat.
2. Disconnect battery negative cable at battery terminal.
3. Disconnect positive cable at battery and remove battery.
4. Disconnect positive cable from starter. Discard lockwasher. DO NOT discard cable or starter terminal nut. Cable must be returned to factory for credit.
5. See Illustration. The cable has two different-sized ends; a large end and a small end. The small end is fastened to the battery; the large end is fastened to the starter. The starter end of the cable has a 15° bend.

NOTE

The purpose of the 15° bend is to help prevent the cable being pulled tightly against the oil tank when the starter terminal nut is tightened.

CAUTION

DO NOT rip, tear or damage the boot. Apply Armor-all® or soapy water to the cable to ease installation.

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									

6. Slide the starter terminal boot over the battery cable small end and down the cable to the starter end.

CAUTION

DO NOT rip, tear or damage the cable guide. Apply Armor-all® or soapy water to the cable to ease installation.

NOTE

The battery cushion has two molded-in cable guides; a long one and a short one. The longer of the two is the positive side cable guide.

7. Slide the battery end of the cable into the positive side cable guide from the bottom.
8. Place the starter end of the battery cable into the oil tank cable opening in the oil tank. Install the assembly in the oil tank. Be sure the battery cushion is properly seated in the bottom of the oil tank.

CAUTION

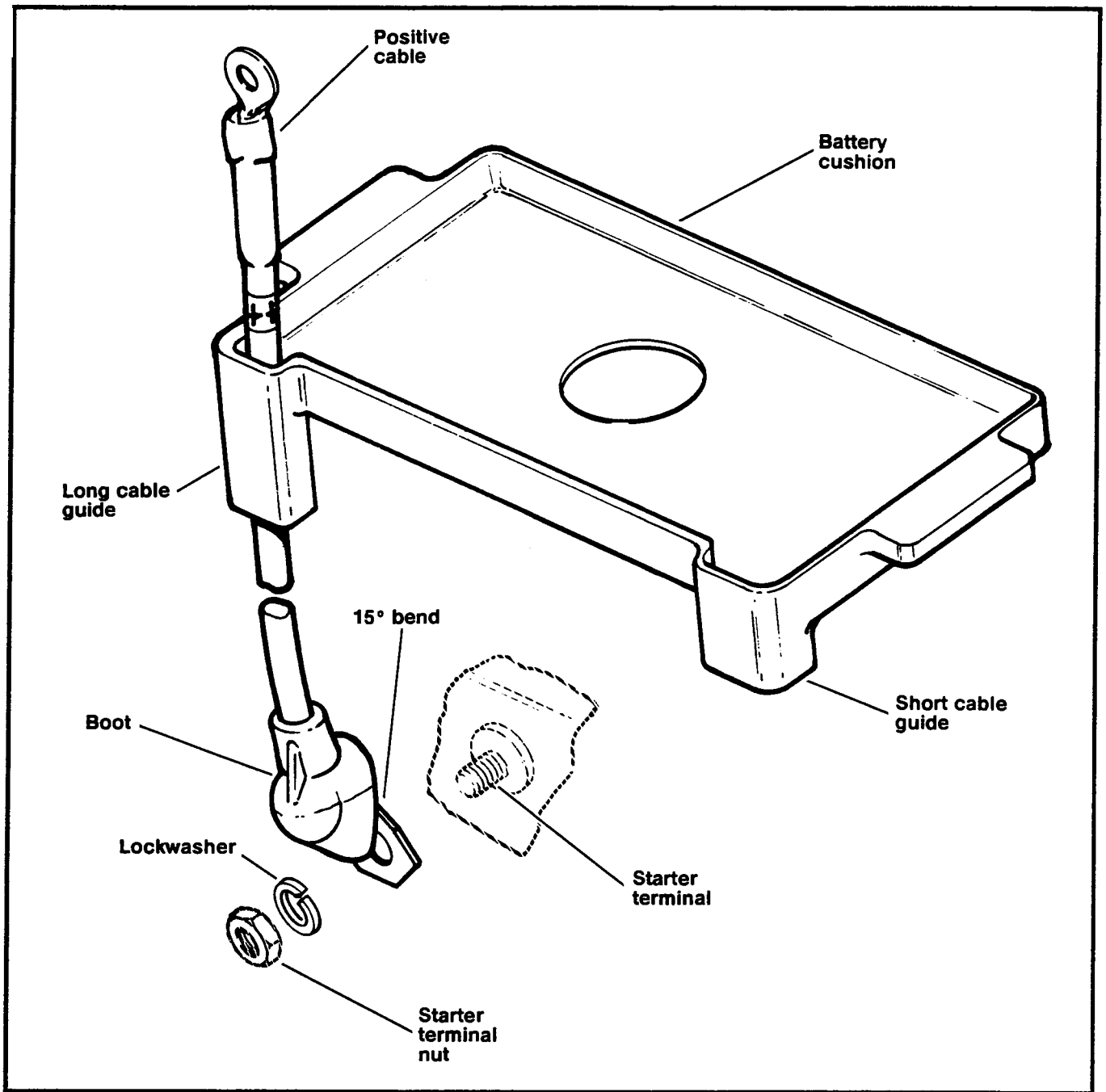
Be sure the 15° bend is installed over the starter terminal so the cable leans slightly, toward the starter. This will help prevent the cable being pulled against the oil tank and chafing during vehicle operation.

9. Place the positive cable starter end over the starter terminal. Install the new lockwasher and the nut. Hold cable end securely, so it does not twist and tighten nut to 65 - 80 in-lbs torque. Slide the boot over the nut and terminal.

10. Install battery. Be sure battery seats fully in the cushion and no lip of the molded cushion has been folded under the edge of the battery. Apply Armor-all® or soapy water to the cushion to ease installation.
11. Connect the positive cable first, then the negative cable. Be sure cables are not touching sides of oil tank. Check cables for kinks or tightness.
12. Install seat.

Credit Procedure

1. After servicing each vehicle, be sure to completely fill out the special Dealer Service Card provided. For each vehicle serviced, place a "C" in the letter box and a "1" in the quantity box. Fill in your Dealer Account Number, VIN (Vehicle Identification Number), your dealership name and address and the owner information, if blank.
2. Package the original, replaced positive battery cable and the properly completed Dealer Service Card.
3. Attach a return address P-Label, Form Number 1248 to the outside of the package.
4. Upon receipt of each replaced positive battery cable and the properly completed Dealer Service Card, you will be credited for postage and labor. The labor time, 0.3 hour includes 0.1 hour for dealer administrative time. Credit will not be issued for parts because they were shipped no charge, transportation paid.



Softail Models Positive Battery Cable Kit