

SERVICE BULLETIN



M-990 SAFETY RECALL CODE 069 JANUARY 16,1990

1989/1990 CALIFORNIA XL MODELS POSITIVE BATTERY CABLE

General

Harley-Davidson, Inc. has become aware the possibility exists that the positive battery cable used on some 1989 and 1990 California XL model motorcycles could develop a short circuit due to possible chafing where the cable is in close proximity to the evaporative emissions control system. If this occurs, the battery cable might overheat, possibly to a degree which might cause a vehicle fire.

As a precautionary measure Harley-Davidson has elected to initiate a voluntary recall campaign in the interest of motor vehicle safety. The potential problem will be remedied by replacing the positive battery cable on the potentially affected vehicles with a revised cable using a revised routing. This recall applies to 1989 and 1990 California XL model motorcycles manufactured and shipped from our York, Pennsylvania assembly plant from the beginning of the 1989 model year May 20, 1988 through December 18, 1989.

All registered owners of record are being notified by mail to contact you to arrange to have the service performed at no charge to them (see enclosed letter). Each registered owner letter will include a Dealer Service Card 069 which must be completed, dated and signed by both the customer and the dealer.

We have also attached a list that contains both registered owners and unregistered vehicles delivered to your dealership which are involved in this campaign. It is your responsibility to perform the required service on all potentially affected vehicles, even if the motorcycle was not purchased from your dealership, to insure the safety of all affected riders. 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.

If you are not sure that a safety recall has been completed on a particular motorcycle contact the Harley-Davidson Service Department for a computer check of our recall records.

An initial shipment of battery cable kits, Part Number 93617 consisting of 20% of your anticipated requirements will begin January 19, 1990. All code 069 kits will be shipped no charge, transportation paid. Once you receive your initial shipment carefully calculate your remaining requirements and order them on the attached green order form. Code 069 kits ordered on this form will also be sent no charge, transportation paid.

Replacement Procedure

1. Remove Phillips head screw and nylon washer at rear of seat. On 883 vehicles remove the solo seat. On 1200 and 883 Deluxe vehicles twist the seat and grab strap to provide access to top of battery.
2. Remove nut from end of battery hold-down strap. Free strap and battery cover.
3. Remove the negative battery cable with a long Phillips screw driver, inserted between oil tank and engine, from opposite side of vehicle.

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									

©1990 Harley-Davidson, Inc.

4. Remove bolt from battery positive terminal with 10mm. box end wrench. Remove the battery.
5. Remove nut attaching opposite end of battery positive cable to starter using a 1/4 inch drive, 12mm. socket and ratchet extension with universal joint. Remove boot from starter motor end of old cable. Retain original cable for return.
6. See Figure 1. Using the new cable assembly supplied in the kit, install boot over starter motor end.
7. Attach large ring terminal to starter stud with lockwasher and 12mm. nut. Tighten nut with socket and flex driver .
8. See Figure 2. Route cable upward in front of oil tank . Guide cable between frame backbone and battery.
9. See Figure 2. Remove front battery carrier bolt. Install the longer bolt from the kit with wire form and washer. Wire form must be installed on battery carrier as shown to orient the cable correctly. Torque bolt to 19 ft-lbs torque.

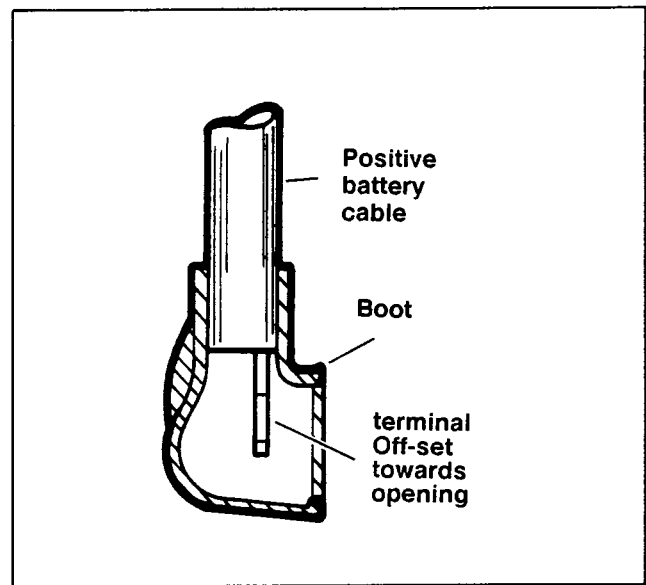


Figure 1. Boot mounting

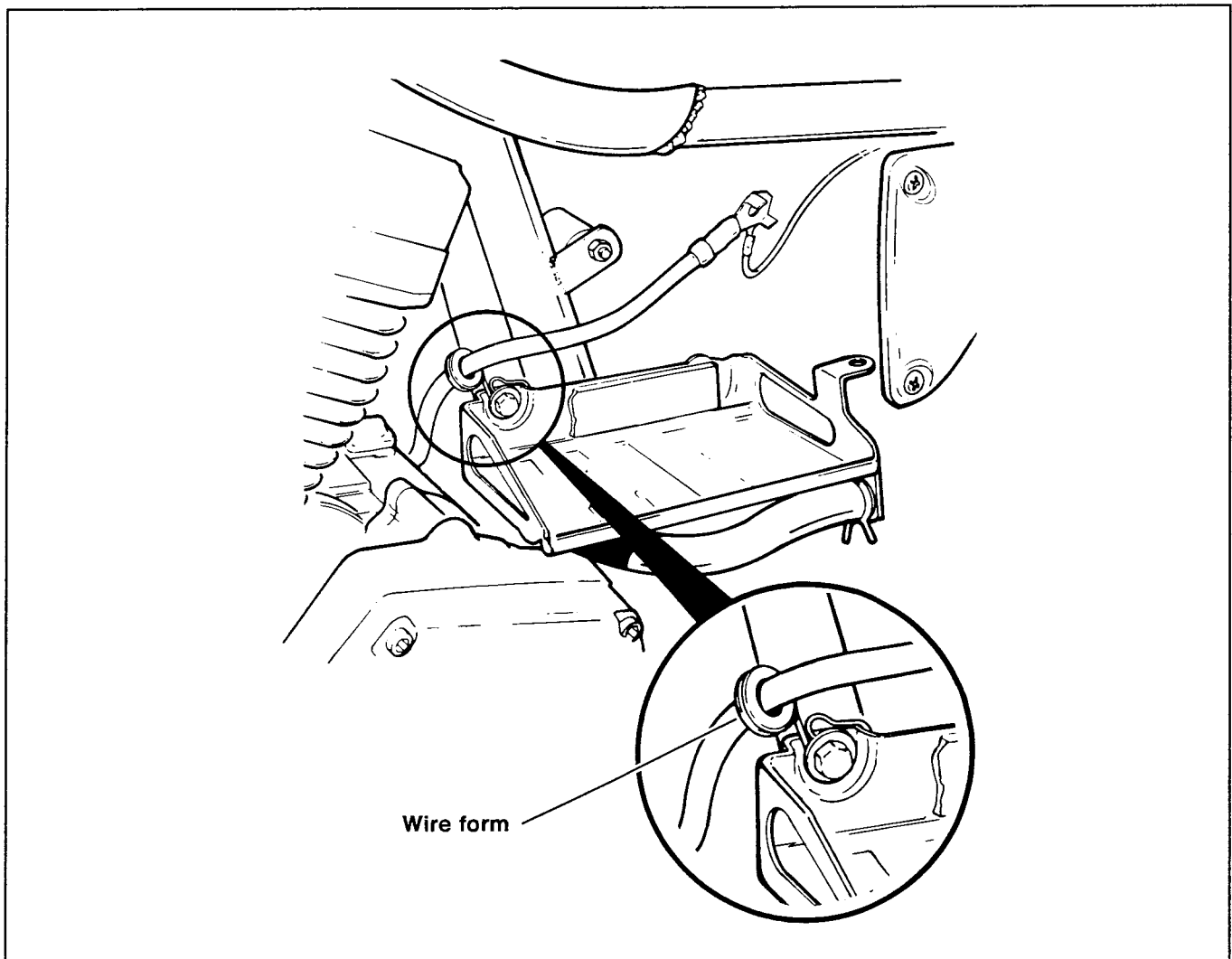


Figure 2. Cable Routing

10. Hold battery on top of battery carrier. See Figure 3. Attach positive battery cable and red wire from circuit breaker to battery with bolt, spacer and nut.
11. Attach negative battery cable to battery with bolt, spacer and nut using long Phillips screw driver.
12. Slide battery all the way onto carrier. Place cover over top of battery. Hook battery strap through slot in carrier and bring around top of battery. Insert stud end through hole in carrier. Secure strap with washer and nut.
13. Install seat. Secure seat with nylon washer and Phillips head screw.

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, the Service code 069, the Vehicle Identification Number and your dealership name and address along with the owner information if blank.
2. Package the original positive battery cable along with the properly completed Dealer Service Card.
3. Attach a return address P-label. Form Number 1248, to the outside of the package.

Upon receipt of each replaced battery cable and the properly completed Dealer Service Card, you will be credited for return postage along with 0.3 hour for each

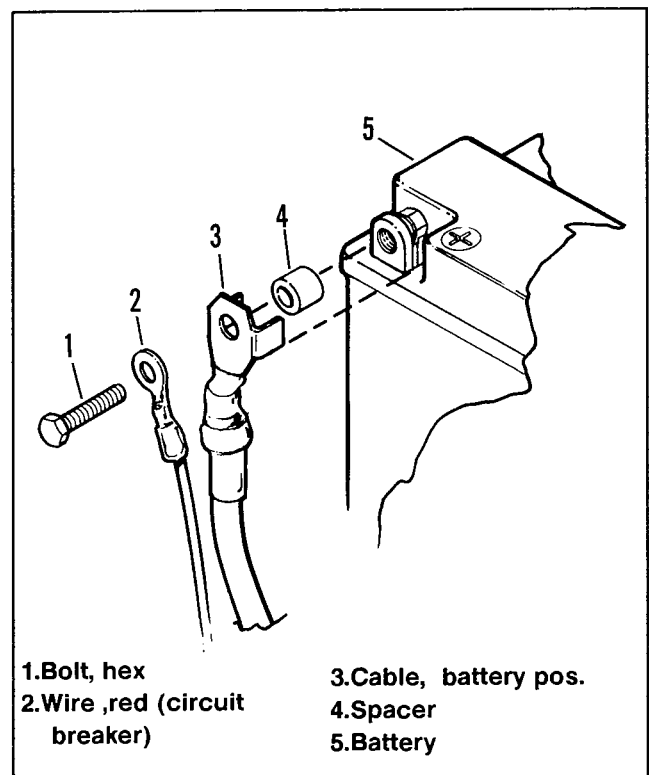


Figure 3. Positive Battery Terminal

completion. The time allowance includes 0.1 hour for dealer administrative time. Credit will not be issued for parts as they were shipped no charge, transportation paid.