

# SERVICE BULLETIN



M-1144

Safety Recall Code 0109

December 05, 2003

## RECALL CODE 0109 - TOURING MODELS OIL COOLER KIT

### Purpose

As recently advised in ML-385, Harley-Davidson has learned that there is a safety defect related to the P/N 62868-99B, Oil Cooler Kit. Under certain conditions, one of the oil lines may contact the engine crankcase. This condition could cause the oil line to abrade over time, causing engine oil to spill. The loss of engine oil can cause the loss of traction, possibly without warning, and cause an accident.

In the interest of motor vehicle safety and customer satisfaction, Harley-Davidson has elected to initiate a voluntary recall (Campaign 0109) to replace the affected oil lines. See REQUIRED DEALER ACTION to perform the recall service.

### Motorcycles Affected

This recall applies to 1999 and later Touring models with the P/N 62868-99B Oil Cooler Kit installed.

### Dealer Parts Inventory

Do not sell any P/N 62868-99B Oil Cooler Kits you may have in your dealer inventory, without first replacing the non-performed oil lines with the recall code 0109 kit, P/N 94239.

### Customer Notification

Attached is a list of motorcycles that are involved in this recall campaign. The list only includes motorcycles that had the P/N 62868-99B Oil Cooler Kit installed and registered under the 12/24 month P&A warranty. P/N 62868-99B Oil Cooler Kits installed after delivery or purchased through P&A are affected by the recall but are not included in the list. To ensure the safety of our riders, it is your responsibility to perform the required service on all affected motorcycles, even if the motorcycle was not purchased from your dealership. You also are required to perform the recall service on all affected motorcycles in your dealership inventory, prior to delivering or leasing those motorcycles.

Since this recall involves an accessory component and not an original equipment vehicle on record, neither S.P.O.C., TALON or hdnet.com will be of assistance.

#### IMPORTANT NOTE

***Because only registered owners who had the kit installed at the time of purchase as shown on the attached list will receive notification from us, it is your responsibility to contact any owners who may have purchased or received the affected kits at the retail level. Attached please find two copies of the owner notification letter to assist you with the notification process. Make additional copies as necessary.***

### Required Dealer Action

Safety Recall Code 0109 Kits (Part No. 94239) will be available beginning on or around December 17, 2003. The number of kits available is expected to fulfill demand, but quantities will be limited. We will send each dealer one kit. Order any additional kits needed as appointments for the service are scheduled.

Please refrain from ordering any additional needed kits until an appointment for the recall service has actually been scheduled. Then, FAX a copy of the attached order form to the Warranty Department at (414) 343-8346. BE SURE TO INCLUDE THE VINS OF THE AFFECTED MOTORCYCLES SCHEDULED FOR SERVICE AND A VALID DEALER NUMBER, OR INDICATE YOUR ORDER IS TO REPLACE OIL LINES IN KITS IN STOCK. This will facilitate timely processing of the order.

Upon approval of the properly completed order form, the kit(s) will be shipped no charge, transportation paid, via UPS1 (depending upon availability of parts). The contents of each kit is as follows:

**Table 1. Safety Recall Code 0109 Kit, P/N 94239**

Item*	Quantity
Clip	1
Nut	1
Oil line	1
Oil line	1
Cable strap	2
Worm drive clamp	4

\*Does not include engine oil or Loctite.

**⚠ WARNING**

A Service Manual is necessary for installation of this kit as the rider's safety depends upon correct installation. Improper installation could result in death or serious injury. When reviewing the sections referenced below, be sure to take note of all warnings and cautions.

1. See Figure 1. Cut both charging system connector cable ties (4). Disconnect connector.

**NOTE**

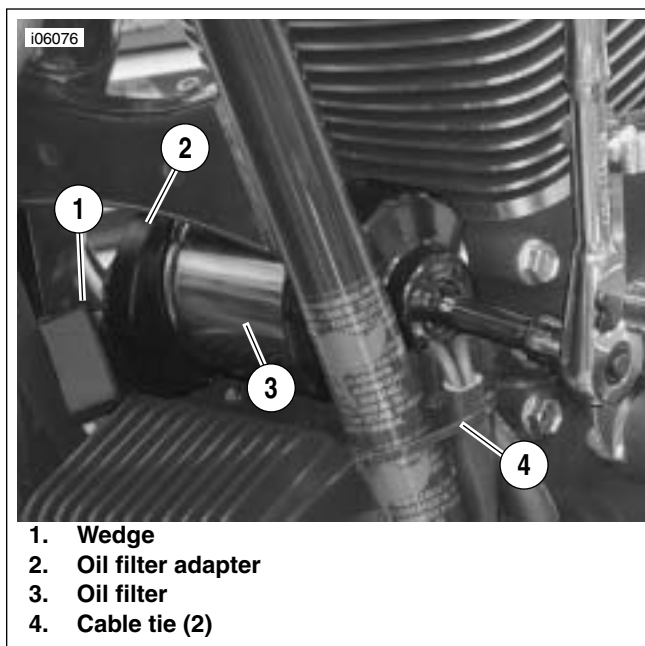
*Install drain pan under oil filter area to catch any spilled oil.*

2. Install a wedge (1) between uppermost edge of the oil filter adapter (2) and frame downtube. The wedge will prevent adapter from rotating when removing oil filter. Remove and save oil filter for reinstallation.
3. Remove existing oil lines:
  - a. Loosen worm drive clamps from oil filter adapter fittings.
  - b. Remove oil lines from oil filter adapter.
  - c. Loosen worm drive clamps from heat exchanger fittings.
  - d. Remove oil lines from heat exchanger.
  - e. Dispose of oil lines.

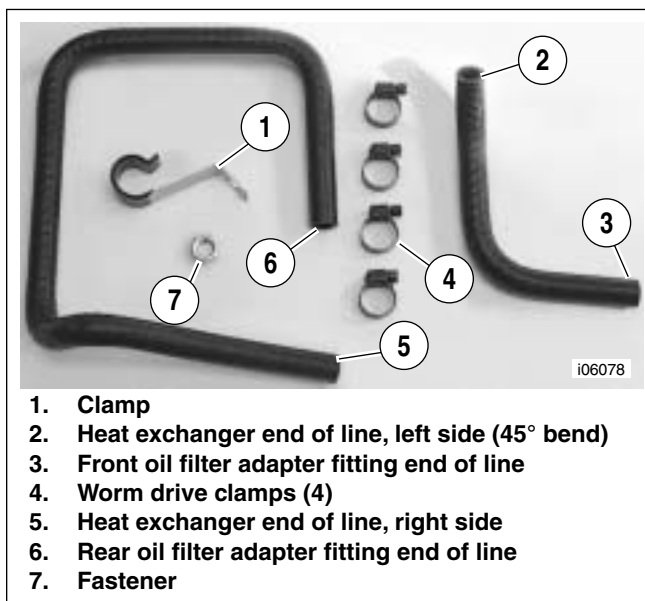
**NOTE**

*When performing the following steps, position the worm drive clamps to avoid interference with oil filter installation.*

4. See Figure 2. Obtain the long oil line from kit and install worm drive clamp (4) on oil filter adapter fitting end of line (6).



**Figure 1. Wedge**



**Figure 2. Kit Contents**

5. See Figure 3. Install line (3) on rear oil filter adapter fitting (2). Do not tighten clamp at this time.
6. See Figure 4. Be sure oil line (1) is not contacting frame or crankcase as it is routed under vehicle.
7. Continue to route oil line to right side of vehicle and up between voltage regulator and clutch cable/right down-tube.
8. See Figure 2. Install worm drive clamp (4) on heat exchanger end of oil line (5).
9. See Figure 5. Install oil line to the right-hand fitting on heat exchanger (2). Do not tighten clamps at this time.
10. See Figure 2. Obtain clamp (1) and fastener (7) from recall kit.
11. See Figure 6. Apply LOCTITE THREADLOCKER 243 (blue) to fastener (2). Attach clamp (1) to right side motor mount bolt using fastener. Route oil line (3) through clamp. Tighten fastener to 15 ft-lbs (20.3 Nm). Squeeze clamp around oil line.
12. Tighten both worm drive clamps.

**NOTE**

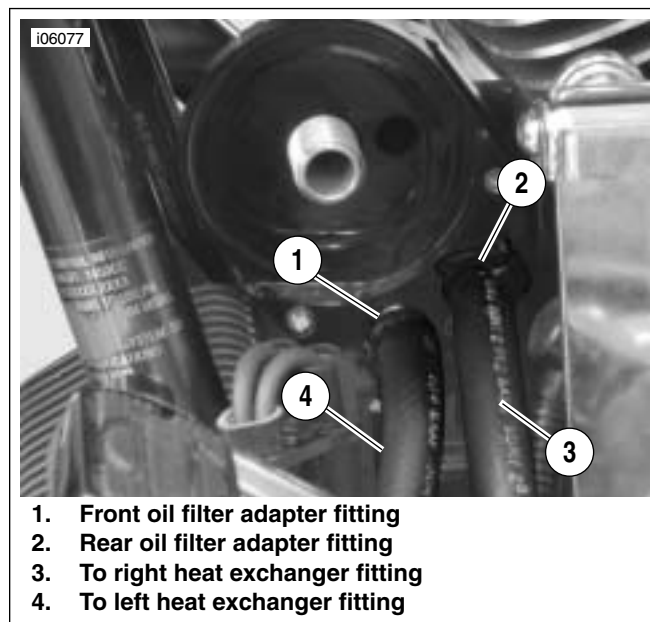
*Verify oil line routing and clamp position after worm drive clamps are tightened to ensure proper routing and clearance.*

13. See Figure 2. Obtain the short oil line from kit and install worm drive clamp (4) on oil filter adapter fitting end of line (3).
14. See Figure 3. Install line (4) on front oil filter adapter fitting (1) Do not tighten clamp at this time.
15. Route oil line over stabilizer link towards left side of heat exchanger.
16. See Figure 2. Install worm drive clamp (4) on heat exchanger end of oil line (2).
17. Install oil line to the left-hand fitting on heat exchanger. Tighten heat exchanger and adapter worm drive clamps.

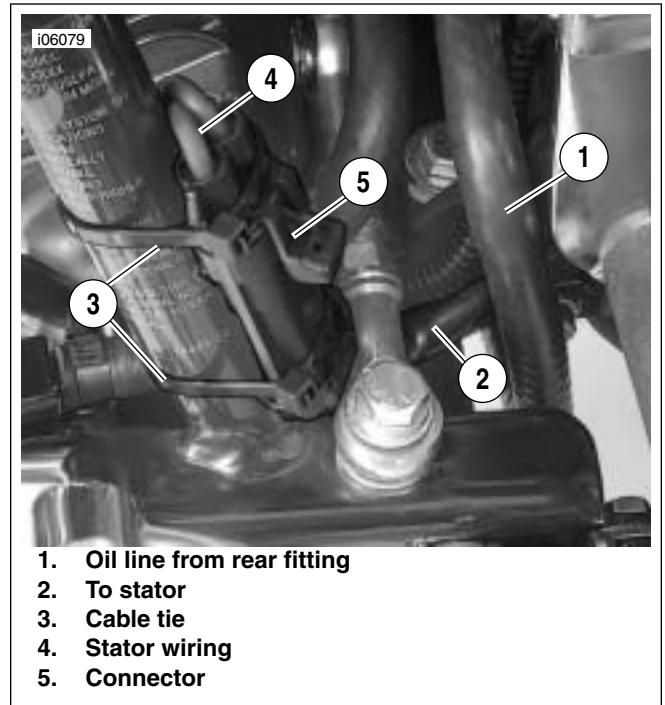
**NOTE**

*Verify oil line routing and clamp position after worm drive clamps are tightened to ensure proper routing and clearance.*

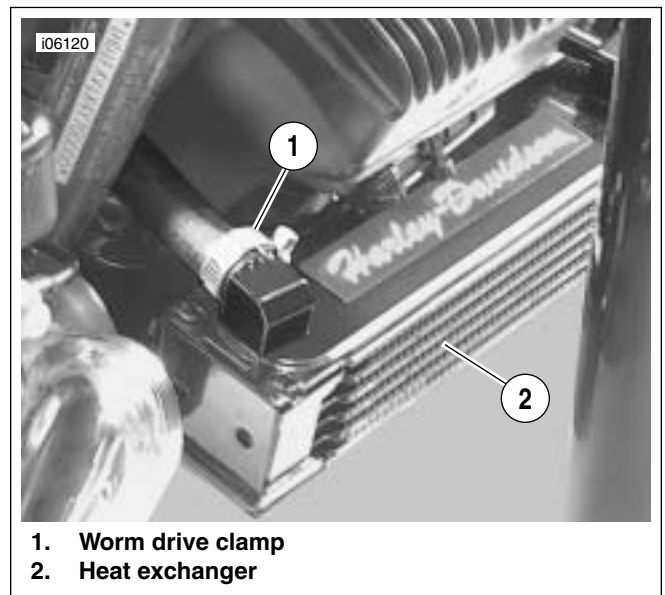
18. Verify proper routing of oil lines.



**Figure 3. Oil Lines**



**Figure 4. Oil Line Routing**



**Figure 5. Heat Exchanger**

19. See Figure 7. Route wiring as shown.

**NOTE**

*Be sure regulator wiring does not contact corner of motor mount. Edge of motor mount can damage wiring which will cause charging system damage.*

20. See Figure 4. Connect charging system connector (5) so stator wiring (4) exits top of connector. Position connector as shown.

**NOTE**

*Be sure connector does not connect oil cooler line or stabilizer link.*

21. Secure connector with cable ties (3).

22. Install oil filter.

23. Clean oil filter/heat exchanger area to remove all traces of oil.

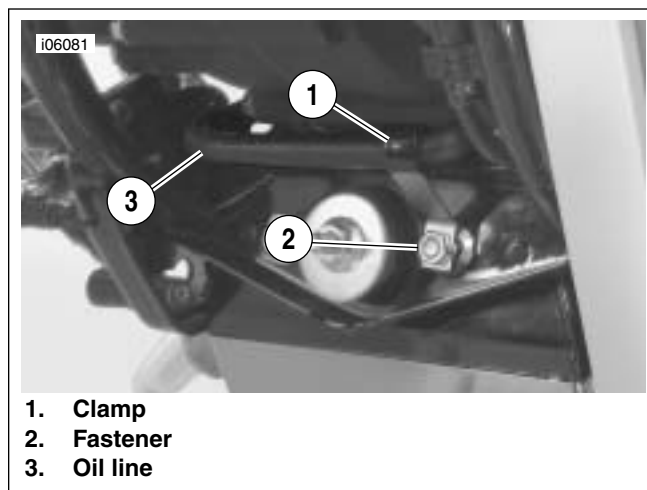
**CAUTION**

**Check oil supply before operating motorcycle, and again after running the engine for a few minutes. Fill up to, but not above, full mark on dipstick. Failure to follow instructions could result in engine damage.**

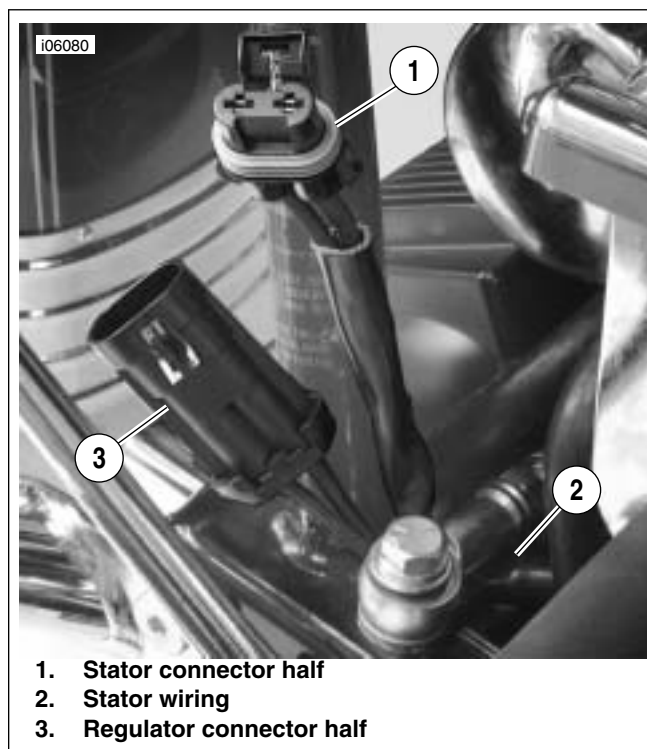
24. Start engine. Examine all oil line connections for leaks. If there is no leakage, allow engine to warm up and proceed to next step.

25. Verify that temperature of heat exchanger increases when engine reaches normal operating temperatures. If the heat exchanger remains cool after engine has warmed up, there may be an oil obstruction. Turn off engine and check system for source of obstruction.

26. After engine has cooled, re-tighten all worm drive clamps.



**Figure 6. Oil line routing  
(viewed from underneath vehicle)**



**Figure 7. Charging System Wiring**

## Credit Procedure—Oil Cooler Installed on Vehicle

Because this is a recall, no electronic claims will be accepted at this time. In order to credit you for the service of installing the recall kit on all vehicles with the affected oil cooler kit, submit a paper claim form. You must provide a VIN (vehicle identification number) and a separate claim form for each vehicle serviced, referencing Service Bulletin M-1144 in the “Description of Repair” or “Comments” section of the claim. Fill in the rest of the claim as follows:

**Table 2. Claim Information—Kits Installed on Vehicle**

<b>Claim Type</b>	HPR
<b>Quantity, Problem Part No., Description</b>	0-94239, Oil Line Service Kit
<b>Primary Labor Code</b>	8149
<b>Time (includes administration time, oil, Loctite)</b>	0.5
<b>Customer Concern Code</b>	0109
<b>Condition Code</b>	1205

Upon receipt of the properly completed warranty claim, you will be credited for labor only, as the repair kits were sent no charge, transportation paid.

## Credit Procedure—Oil Cooler Kits In Stock

For any oil cooler kits you may have in stock, remove the non-pre-formed oil lines and replace them with the oil lines in the service kit, P/N 94239. File a paper claim form, referencing Service Bulletin M-1144 in the “Description of Repair” or “Comments” section of the claim as follows:

**Table 3. Claim Information—Kits in Stock**

<b>Claim Type</b>	HPI
<b>Quantity*, Problem Part No., Description</b>	*-94239 Oil Line Service Kit
<b>Customer Concern Code</b>	0109
<b>Condition Code</b>	1205

\*Quantity will vary, depending on amount in stock.

All replaced oil cooler kit oil lines **MUST BE RETURNED** with a properly completed warranty claim form in order to receive credit for the vehicle service and/or to update our recall records, and to accurately track and report our corrections, as required by the National Highway Traffic Safety Administration. Upon processing the properly completed claim form, you will be paid according to the appropriate table, based on vehicle repair or stock parts update, and return postage.

