

SERVICE BULLETIN



M-1160

Safety Recall Code 0115

October 28, 2004

SAFETY AND EMISSIONS RECALL CODE 0115 - CALIFORNIA EVAP CANISTER

Purpose

Harley-Davidson Motor Company, Inc. has learned that certain motorcycles built for the California market may have an evaporative fuel canister on which a port is blocked. This condition could allow pressure to build up in the fuel tank. On fuel injected vehicles, this condition could cause fuel to spray out unexpectedly when the fuel cap is removed. On carbureted vehicles, excessive fuel could be transferred to the carburetor, which would eventually allow fuel to drip from the air cleaner. These situations could cause serious personal injury or create a fire hazard for persons or property on or near the motorcycle. Also, vehicles with this condition do not meet California Air Resources Board (C.A.R.B.) emissions requirements.

In the interest of motor vehicle safety and customer satisfaction, Harley-Davidson has elected to initiate a voluntary recall (Campaign 0115) to replace the affected canisters. As required by law, you may sell but NOT DELIVER any affected motorcycles to your customers until the recall is performed.

See **Required Dealer Action** to perform the recall service.

Motorcycles Affected

This campaign involves 2004 and 2005 Harley-Davidson Touring, Softail, Dyna, V-Rod and Sportster motorcycles built between June 22 and July 29, 2004 for sale in the California market.

Customer Notification

In accordance with Federal regulations administrated by NHTSA, and the California Code of Regulations sections administered by the California Air Resources Board, Harley-Davidson Motor Company, Inc. will provide notice to all owners of record of affected products with direction to bring the vehicle in for the recall service.

Attached is a complete list of all vehicles shipped to you that are involved in this recall campaign. As required by the California Air Resources Board, you will also find "Proof of Correction" certificates. See **Required Dealer Action** for purpose and use of this document.

NOTE

Supplies of "Proof of Correction" certificates are based on estimated vehicle population in California and are limited. Please secure your supply to avoid losing or misplacing it. Should you need additional quantities, please contact Lynette Schneider in the warranty department at (414) 343-4381.

To protect the safety of our riders, it is our mutual responsibility to ensure the recall service is performed on all affected motorcycles. Therefore, we strongly urge you to perform the recall service even if the motorcycle was not purchased from your dealership.

You are also required to perform the recall service on all affected vehicles in your dealership inventory prior to delivering, renting or leasing those vehicles.

If you are not sure that a safety recall has been completed on a particular motorcycle, check the recall records available on TALON and h-dnet.com

IMPORTANT NOTE

Because only registered owners will receive notification from us, we request that you contact any owners of vehicles that your records show 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 VINs 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).

IMPORTANT NOTE

In the interest of preserving customer safety and satisfaction, always check for outstanding recalls whenever any motorcycle is brought into your dealership for either maintenance or service.

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									

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Required Dealer Action

Your one and only automatic shipment of canister kits, Part No. 94338, will begin on or around November 1, 2004. If you need to order any kits after receiving this initial shipment, you must supply us with the VIN number of the vehicle that requires the replacement. The VIN supplied in order to receive an additional kit can be the VIN of the last vehicle serviced that required a replacement. Ordering an additional kit BEFORE your initial shipment stock is completely used up will allow you to keep one kit, at minimum, in stock at all times.

WARNING

Stop the engine when refueling or servicing the fuel system. Do not smoke or allow open flame or sparks near gasoline. Gasoline is extremely flammable and highly explosive, which could result in death or serious injury. (00002a)

Canister Testing

Test the canister according to the following instructions:

1. Locate the vapor valve and remove the hose that connects the valve to the charcoal canister:
- **Sportster models:** See [Figure 1](#). The vapor valve (1) is located in a clip on the left side of the frame tube behind the engine. No vehicle disassembly is required to remove the canister hose (2) from the valve.

NOTE

See [Figure 1](#). The left side cover is removed for clarity in the figure. It is not necessary to remove the side cover to gain access to the vapor valve (1).

- **Dyna models:** See [Figure 2](#). The vapor valve (1) is located behind the steering head near the left frame downtube. No vehicle disassembly is required to remove the canister hose (2) from the valve.
- **Softail models:** See [Figure 3](#). The vapor valve (1) is located next to the EVAP canister (3) below the rear fork pivot. Follow instructions in the service manual to gain access to the vapor valve and remove the canister hose (2):
 - a. Loosen the rear axle.
 - b. Remove the drive belt from the rear sprocket.
 - c. Move the rear wheel back as far as it will go.
 - d. Remove two bolts securing the rear splash guard. Lift the splash guard up and over the rear tire.
- **Touring models:** See [Figure 4](#). The vapor valve (1) is located in front of the battery (3) on the left side of the frame assembly. Follow service manual procedures to remove the seat and battery. Then remove the canister hose (2) from the valve.
- **VRSC models:** See [Figure 5](#). The vapor valve (1) is located on the left hand frame rail directly in front of the fuel tank. No vehicle disassembly is required to remove the canister hose (2) from the valve.

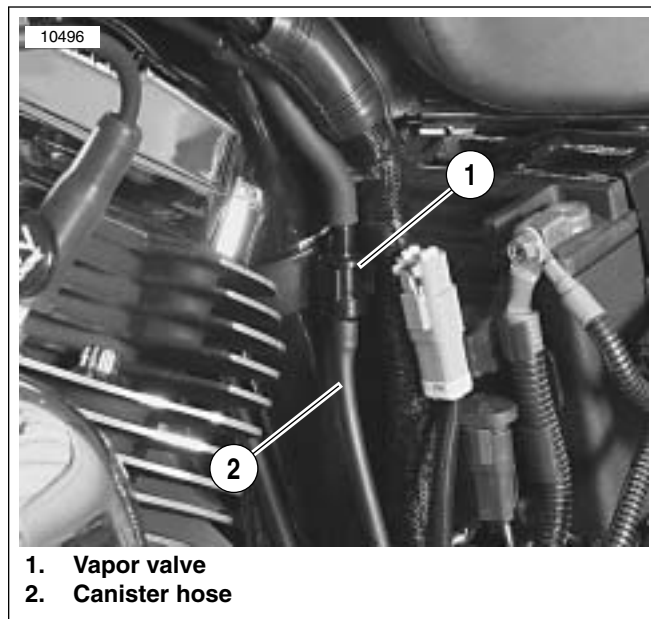


Figure 1. Vapor Valve and Hose: Sportster Models

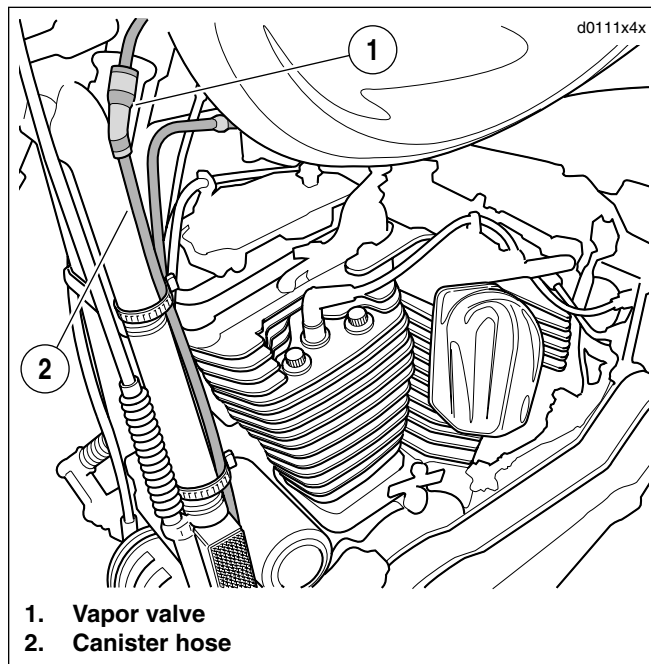


Figure 2. Vapor Valve and Hose: Dyna Models

2. Connect a vacuum pump, such as the Mity-Vac (Part No. HD-23738) to the hose you removed from the vapor valve in step 1.
3. Apply vacuum to the hose and observe the gauge. If ANY vacuum is registered, the canister is faulty and must be replaced. Follow the canister replacement instructions on [page 4](#).

4. If no vacuum is detected, the canister is functioning properly. Disconnect the vacuum pump, and reassemble and return the vehicle to service:
- **All models:** Install the canister hose onto the vapor valve.

⚠ WARNING

After installing seat, pull upward on front of seat to be sure it is in locked position. While riding, a loose seat can shift causing loss of control, which could result in death or serious injury. (00070a)

- **Touring models:** Follow service manual procedures to install the battery and seat.
- **Softail models:** Follow service manual procedures to:
 - a. Reposition the splash guard and secure with two bolts. Tighten to the proper torque.
 - b. Install the drive belt on the rear sprocket.
 - c. Adjust and align the rear wheel and tighten the rear axle nut to the proper torque.

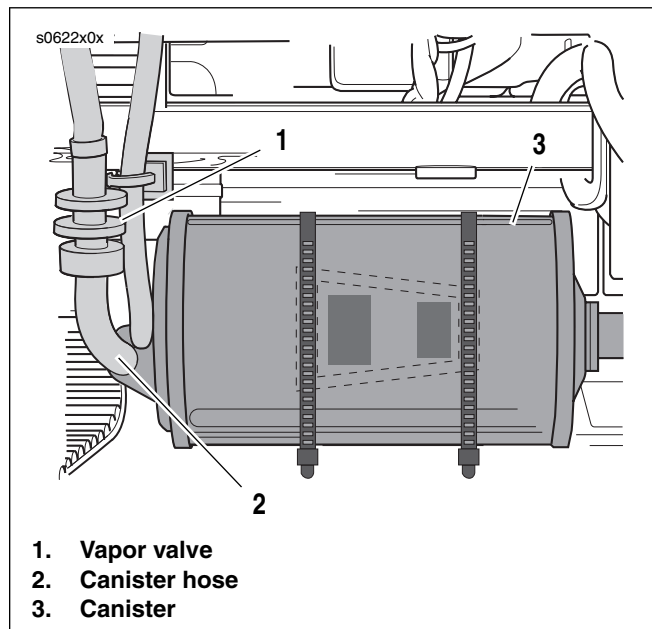


Figure 3. Vapor Valve and Hose: Softail Models

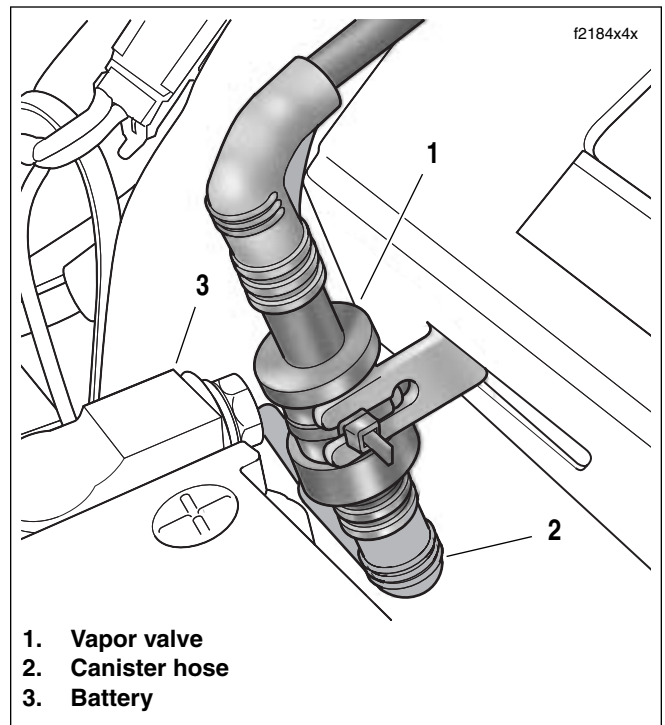


Figure 4. Vapor Valve and Hose: Touring Models

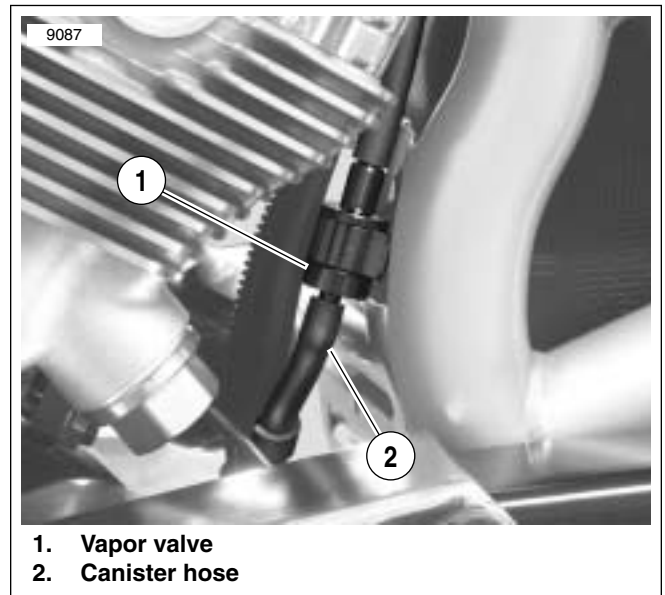


Figure 5. Vapor Valve and Hose: VRSC Models

Canister Replacement

If the canister requires replacement:

Sportster, V-Rod, Dyna and Softail models: see appropriate service manual for canister replacement procedure.

Touring models: follow appropriate service manual procedures to perform the following steps:

1. Remove the seat.

WARNING

Disconnect negative (-) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury. (00049a)

2. Remove the battery.
3. Remove both saddlebags and side covers.
4. Raise the rear of the vehicle off the floor. Loosen the rear axle, move the wheel forward enough to remove the drive belt from the rear sprocket.
5. Remove the rear axle and slide the rear wheel back as far as it will go.
6. Remove the canister hoses. Label hoses for proper reassembly.
7. Pry the plastic retaining pin out of the hole on the left side of the battery tray.
8. With the handle of a rubber or plastic mallet, tap the canister toward the left side of the motorcycle until the tongue at the top of the canister is free of the grooves in the bottom of the battery tray.
9. Unbolt the ECM caddy from the right side of the vehicle and pull the caddy up out of the way.
10. Unbolt the battery tray and remove from the vehicle.
11. Remove the canister.

12. Lay the **new** canister in place.
13. Reinstall the battery tray. Tighten the fasteners to the proper torque.
14. Slide the canister tongue into the grooves on the left side of the battery tray.
15. Push the canister toward the right side of the vehicle until fully engaged.
16. Snap the plastic retaining pin into the hole in the bottom of the battery tray (left side) to lock the canister into position.
17. Install the hoses on the canister.
18. Install the ECM caddy and secure with fasteners. Tighten to the proper torque.
19. Position the rear wheel, install the drive belt onto the rear sprocket, and install the rear axle. Adjust and align the rear wheel and tighten the axle to the proper torque.
20. Lower the vehicle to the floor.
21. Install both side covers and saddlebags.

WARNING

Connect positive (+) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury. (00068a)

22. Install the battery.

WARNING

After installing seat, pull upward on front of seat to be sure it is in locked position. While riding, a loose seat can shift, causing loss of control, which could result in death or serious injury. (00070a)

23. Install the seat.

IMPORTANT NOTE

The California Air Resources Board requires that a completed "Proof of Correction" certificate be presented to the owner upon delivery of the motorcycle. Please be sure to complete the attached certificate and provide to each motorcycle owner for whom you completed a Dealer Service Card with the letter "C" or "I" in the letter box. The owner will need the certificate to renew their California motorcycle registration and license.

Credit Procedure—EVAP Canister Testing

For each vehicle your dealership tests and no replacement is required, fill out a Dealer Service Card. Be sure to list the recall (service code) number (0115) on the card.

Place an "I" in the letter box. When Harley-Davidson receives your properly completed Dealer Service Card, you will be credited for testing time as shown in [Table 1](#). The time listed includes 0.1 hour for dealer administration.

Credit Procedure—EVAP Canister Testing and Replacement

For each vehicle tested and needing replacement, fill out a Dealer Service Card. Be sure to list the recall (service code) number (0115) on the card.

Place a "C" in the letter box. When Harley-Davidson receives your properly completed Dealer Service Card, you will be credited for labor time as shown in [Table 1](#). The labor time listed includes 0.1 hour for dealer administration.

Table 1. Time Allowed, EVAP Canister Testing/Replacement

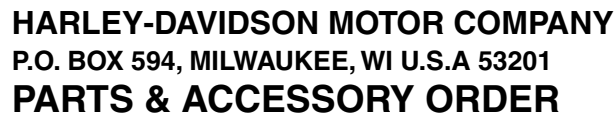
Model	Test	Test and Replace
Touring	0.5	1.9
Softail	0.5	0.7
Dyna	0.5	0.6
V-Rod	0.5	0.6
Sportster	0.5	0.5

Return Shipping Information

Be sure to return the replaced canister, part number 27042-84A along with the completed Dealer Service Card. Failure to do so will result in a delay of your credit and will show as an open recall until we receive the defective canister.

Upon receipt of the canister and properly completed Dealer Service Card, you will be credited for labor, as indicated above, and return postage.

You will not be issued credit for parts because they were shipped no charge, transportation no charge.



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TYPE CODE	ORDER TYPE	VEHICLE IDENTIFICATION NUMBER
R	REGULAR	
P	POLICE	
D	DOWN VEHICLE	
W	WARRANTY	
RC	RECALL	

DEALER ORDER	
ORDER DATE	
DEALER NO.	
ORDER TYPE	RC
WARRANTY CLAIM NO.	

FOR OFFICE USE ONLY	
ACCT.	1744115
FRT. ACCT	1744115

[illegible]

**PLEASE USE PART NUMBERS
DO NOT USE FOR
CORRESPONDENCE**

ALL ORDERS SUBJECT TO ACCEPTANCE AT MILWAUKEE, WI 53201

All goods covered by this order, including goods back-ordered, will be billed at prices current at the time of shipment. Goods are purchased for resale and delivery is made to purchaser's F.O.B. factory, Milwaukee, Wisconsin or other point of origin. If accepted, this order as accepted shall be subject to availability of goods to seller for delivery to purchaser. Any delay in shipment shall not relieve purchaser of responsibility for his accepted order and seller shall not be liable for any loss or damage due to delay in shipment or failure to deliver. Any request for cancellation of this order or any part thereof must be received by seller prior to the date of shipment, and in case of reconsignment or return of goods to seller, purchaser shall pay the entire cost connected therewith, plus zero, ten or twenty-five percent of selling price, as determined by Company policy from time to time, as liquidated damages for loss of sale. Purchaser will be responsible for collection and payment of all Federal, State and local taxes that apply on the retail sales.

**PLEASE USE PART NUMBERS
DO NOT USE FOR
CORRESPONDENCE**

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