# SERVICE BULLETIN



M1609 2023-10-23

# M1609 (REV B): RECALL 0183 - X350 RA, X 350, X 500 FUEL SENSOR

# **Reason for Revision**

Refer to Table 1.

**Table 1. Document History** 

Date	Rev	(101)			
		Update kit availability. Kits made available			
2023-10-23 B		to all regions except California.			
		* Updated: Kit Availability			
2023-10-16 A		Update kit availability.			
2023-10-10	_ ^	* Updated: Kit Availability			
2023-10-13	-	Initial release			

# **Purpose for Service Bulletin**

This bulletin informs dealers that Harley-Davidson has learned that the fuel sensor may leak on certain 2023 model X350 RA, X 350, and X 500 vehicles. A fuel leak in the presence of an ignition source may lead to a fire.

## **Vehicles Affected**

2023 LWZ: X350 RA (LWZX350RA), X 350 (HD350-10), X 500 (HD500-10A)

## **Markets Affected**

United States and China.

## Part Numbers

Refer to Table 2.

**Table 2. Affected Part Numbers** 

Part No.	Item Description		
HD50002P420000	Gasket, fuel sensor		

**Table 3. Recall Kit Part Numbers** 

Part No.	Item Description
91500115	Recall Kit 0183, Fuel Sensor

# Kit Availability

As of October 23, 2023, Recall Kit (Part No. 91500115) is available for dealers to order in all regions except for California. California release is still pending California Air Resources Board (CARB) approval. Timing for approval and release of the kits to California is unknown at this time.

# **Required Dealer Action**

## Table 4.

Action Required	Resolution				
NO 🗆	Actionable: Any vehicle, component or software related issues				
YES 🗹	must be performed according to the service bulletin procedure.				

## **REMOVE**

- 1. Drain fuel tank. See service manual.
- 2. Remove seat. See service manual.
- 3. Remove cable strap and screw from battery hold down ground strap. See service manual.
- 4. Remove fuel tank seat tang screws. See service manual.
  - a. Remove rubber backing plate, isolators and dowels from the tank tab.
- 5. Remove seat catch. See service manual.

#### NOTE

See vehicle's Service Manual and Electrical Diagnostic Manual (EDM) for appropriate procedure and connector locations.

- Lift rear of fuel tank and pull back slightly. Disconnect the following:
  - a. Remove fuel filter holder from bracket.
  - b. Disconnect fuel lever sensor connector.
  - c. Disconnect fuel pump connector.
  - d. Disconnect fuel line.
  - e. Reposition clamp and remove overflow hose from tank.
  - f. Remove hose from tip over valve.

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	WARRANTY PROCESS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO. 1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	RETURN THIS TO
INITIAL HERE									

- Remove fuel level sensor screws and washers. See service manual.
  - Remove existing fuel level sensor gasket.

#### **INSTALL**

- Install new fuel level sensor gasket and screws. See Service manual.
  - a. Tighten.

Torque: 5.5 N·m (49 in-lbs)

- Install fuel tank on vehicle with rear of tank lifted. Connect the following:
  - a. Install hose from tip over valve.
  - b. Install overflow hose to tank and reposition clamp.
  - c. Connect fuel line.
  - d. Connect fuel pump connector.
  - e. Connect fuel lever sensor connector.
  - f. Install fuel filter holder to bracket.
- Position fuel tank forward, make sure front tab goes under front section of frame.
- 4. Install rubber backing plate isolators and dowels.
- 5. Install seat catch and screws. Tighten.

Torque: 10 N·m (89 in-lbs)

6. Install side covers. Tighten.

Torque: 10 N·m (89 in-lbs)

7. Install cable strap and screw to battery hold down ground strap. See service manual.

## **Credit Procedure**

## NOTE

For each vehicle involved in this recall (involvement of Vehicle Identification Number (VIN) has been verified on h-dnet.com), submit a recall claim per Table 5.

Table 5. Credit Procedure: H-dnet.com and Talon System Users

ITEM	DATA
Claim Type	SRC
Problem Part Number	HD50002P420000
Quantity	Leave Blank
Primary Labor Code <sup>(1)</sup>	3552
Labor Time	0.5 hours
Customer Concern Code	0183
Condition Code	9981
Replacement Part Number	91500115
Quantity	1
(1) Download may be required	

Table 6. Credit Procedure: GDP/SAP System Users

ITEM	DATA
Claim Type	Recall Claim
Fix ID-Found in Recall Number	R
Problem Part Number	HD50002P420000
Customer Concern Code	0183
Condition Code	9981

Upon submission of the properly completed claim, you will be credited for 0.5 hours of labor time for performing the procedure, plus appropriate administrative time. Credit will also be issued for the recall kit (U.S. only). Submit campaign events on their own warranty claim. Do not mix them with other warranty events.

## **Return Parts**

Hold all claimed parts for 60 days from date of credit issued for possible field inspection and/or request to return to factory. After 60 days, destroy and discard the parts.

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