

Required Dealer Action

⚠ WARNING

Use only DOT 4 hydraulic brake fluid in the brake master cylinder. Use of other types of fluid can cause brake system damage and adversely affect braking, which could result in death or serious injury. (00597c)

⚠ CAUTION

Direct contact of DOT 4 brake fluid with eyes can cause irritation. Avoid eye contact. In case of eye contact flush with large amounts of water and get medical attention. Swallowing large amounts of DOT 4 brake fluid can cause digestive discomfort. If swallowed, obtain medical attention. Use in well ventilated area. KEEP OUT OF REACH OF CHILDREN. (00240b)

NOTICE

DOT 4 brake fluid will damage painted and body panel surfaces it comes in contact with. Always use caution and protect surfaces from spills whenever brake work is performed. Failure to comply can result in cosmetic damage. (00239c)

NOTICE

Avoid leakage. Be sure gaskets, banjo bolt(s) and brake line are clean and undamaged before assembly. (00323a)

NOTE

Follow the specifications and torques that are in the service manual of the year and model vehicle that the service is being performed on.

1. Remove bleeder screw cap. Install vacuum brake bleeder to bleeder screw.
Special Tool: BASIC VACUUM BRAKE BLEEDER (BB200A)

NOTE

- Wrap a clean shop towel around the outside of the master cylinder reservoir to protect paint from brake fluid spills.
- Clean master cylinder reservoir cover before removal.

2. Position vehicle or handlebar so master cylinder reservoir is level.
3. Remove cover from master cylinder reservoir.

NOTE

Pay careful attention to fluid level in the master cylinder reservoir. Add fluid before it empties to avoid drawing air into the brake lines.

4. Add brake fluid as necessary. Verify proper operation of the master cylinder relief port by actuating the brake pedal or lever. A slight bulge of fluid will break the fluid surface in the reservoir if internal components are working properly.

NOTE

A bulge may not be seen on models having remote reservoirs.

5. Operate vacuum bleeder while maintaining fluid level in master cylinder reservoir.
 - a. Following the sequence, open bleeder screw about 3/4 turn. Refer to Table 3.
 - b. Continue until specified volume has been replaced. Refer to Table 3.
 - c. Tighten bleeder screw to specification. Install bleeder screw cap.
6. Repeat with each caliper following the sequence in service manual until all brake lines have been serviced.
7. Fill reservoir to specified level.
8. Clean gasket and sealing surfaces of debris. Install master cylinder reservoir covers.
9. Use DT and perform "ABS Service" procedure.
Special Tool: DIGITAL TECHNICIAN II (HD-48650)
10. Apply brakes to check proper lamp operation.

⚠ WARNING

After servicing brakes and before moving motorcycle, pump brakes to build brake system pressure. Insufficient pressure can adversely affect brake performance, which could result in death or serious injury. (00279a)

⚠ WARNING

After repairing the brake system, test brakes at low speed. If brakes are not operating properly, testing at high speeds can cause loss of control, which could result in death or serious injury. (00289a)

11. Test ride motorcycle. Perform the bleeding procedure if brakes feel spongy.

Table 3. Bleeding Sequence

SYSTEM TYPE	CIRCUIT	VOLUME
ABS	Front left	118.3 ml (4 fl oz) each
	Front right	
	Rear	

Owner's Manual Flush Brake Fluid Insert

NOTE

Login into SIP (Service information portal) through Google Chrome to view insert.

1. Click on Owner's Manual Insert and print.
 - a. Click on INSERT: M1470: SAFETY RECALL 0171...
 - b. Click on printer icon in up right corner of insert screen.
 - c. Print.

2. Insert the Flush Brake Fluid page into the owner's manuals applicable to this bulletin that are on site.
3. If customers' owner's manual is not present with the motorcycle, do the following:
 - a. Give the copy of the Flush Brake Fluid page to the customer.
 - b. Inform the customer to read and insert the page into their owner's manual.

▲ WARNING

DOT 4 brake fluid absorbs moisture from the atmosphere over time, changing the chemical and physical properties of the fluid. These changes can adversely affect braking, which could cause loss of control, resulting in death or serious injury. Ensure proper braking performance by checking brake fluid for moisture content at every service interval or annually (whichever comes first). Flush fluid when moisture content is 3% or greater or every two years (whichever comes first). (06304a)

4. Specify to the customer the importance of flushing the brake fluid when moisture content is 3% or greater, or every two years (whichever comes first).

Credit Procedure

Credit Procedure: Talon/H-Dnet.com Warranty Claim System Users

Submit a claim for each motorcycle serviced in this bulletin for which VIN involvement was verified on h-dnet.com.

Submit a claim per table. Refer to Table 4.

Table 4. Talon/H-Dnet.com Warranty Claim System Users

ITEM		DATA
Claim Type		SRC
Problem Part Number		41800219
Quantity		Leave Blank
Primary Labor Code ⁽¹⁾		2726
Labor Hours: Touring, CVO Touring, Touring Police		1.2 h
Labor Hours: VRSC (V-Rod)		1.1 h
Customer Concern Code ⁽¹⁾		0171
Condition Code		9981
Replacement Part No.	USA, Mexico, South America	41800770
Quantity		1

(1) Download may be required.

Credit Procedure: SAP System Users

Upon submission of the properly completed claim, dealership is credited for 1.1 h or 1.2 h of labor time and brake fluid for performing the procedure. Plus appropriate market administrative time.

Submit campaign events on their own warranty claim. Do not mix items with other warranty events.

Table 5. SAP System Users

ITEM	DATA
Claim Type	Recall Claim
FIX ID-Found in Recall Number	C
Problem Part Number	41800219
Customer Concern Code	0171
Condition Code	9981

Credit Procedure: All Other System Users

- Claim Date
- Campaign Number (0171)
 - 1.2 h Touring, CVO Touring, Touring Police
 - 1.1 h VRSC (V-Rod)
- FIX ID - (C)
- Full Seventeen Character VIN

Upon submission of the properly completed claim, dealership is credited for 1.1 h or 1.2 h of labor time and/or brake fluid for performing the procedure. Plus appropriate market administrative time.

Flush Brake Fluid

WARNING

DOT 4 brake fluid absorbs moisture from the atmosphere over time, changing the chemical and physical properties of the fluid. These changes can adversely affect braking, which could cause loss of control, resulting in death or serious injury. Ensure proper braking performance by checking brake fluid for moisture content at every service interval or annually (whichever comes first). Flush fluid when moisture content is 3% or greater or every two years (whichever comes first). (06304a)

To ensure the brake system is performing to design, check the moisture content of the brake fluid at every service interval or at least annually using a DOT 4 brake fluid moisture tester (part number HD-48497-A or equivalent) following the instructions included with the tool. Flush DOT 4 fluid every 2 years or sooner if the brake system fluid test shows moisture content is 3% or greater.

Harley-Davidson recommends using Harley-Davidson Platinum Label DOT 4 Brake Fluid because of its superior moisture and corrosion inhibiting properties.

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