

SERVICE BULLETIN

M1691



M1691: LINKED BRAKING FUNCTIONAL IMPROVEMENT

Reason for Revision

Refer to Table 1.

Table 1. Document History

Date	Rev	Revision (Rev) Description
2025-06-17	-	Initial release

Purpose for Service Bulletin

This bulletin inform dealers that there is an Electro Hydraulic Control Unit (EHCU) update available. This update is to improve functionality of the Linked Braking System. Linked Braking allows for more balanced front and rear braking under a wide variety of brake applications. At speeds greater than 20 mph (32 km/h), the system dynamically adjusts the linking to achieve better braking balance, as compared to single input braking. The EHCU update improves Linked Braking with optimized front and rear brake proportioning while only the rear brake is being applied by the rider.

This software update is to address a possible customer concern related to the smoothness of brake engagement during a linked braking event when only rear brake is applied. If a customer has concerns on this Linked Braking operation under these conditions, this improvement update can be applied.

NOTE

For vehicles within factory warranty and concern is present, submit a warranty claim per Table 4.

Required Dealer Action

Table 2. Required Dealer Action

Category	Description	Required
1	Must Perform Repair	
2	Repair If Presenting Symptom	
3	Feature Pack- Customer/Dealer Paid	
4	Informational Purposes Only	

The vehicle battery should be fully charged prior to doing the software update. Have a battery tender connected while performing software update.

Verify that the most up-to-date Software Version (25.6.2 or newer) is installed. Check software version using Digital Technician II (DT II).

DIGITAL TECHNICIAN II (PART NUMBER: HD-48650)

EHCU Reflash Sequence

- 1. Connect battery tender to vehicle.
 - a. Verify battery is fully charged before proceeding.
- Connect Techlink 3 (TL-3) to vehicle. Special Tool: TECHLINK 3 (HD-48650-TL3)
- 3. Connect external power to TL-3 using appropriate power supply providing at least:
 - a. 12 V
 - b. 1.2 A
- 4. Place vehicle in Accessory mode.
 - a. Press and hold trip button for 5 seconds.
- 5. Open DT II program and establish communication with vehicle.
- 6. Proceed to reflash EHCU and follow on-screen directions.

NOTE

See Figure 1. The EHCU reflash will not be colored red (1) as it typically is when there is a reflash available. Verify that the "A" revision Calibration number is not listed in the ON VEHICLE column, indicating the update has already been done, before proceeding.

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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									

		ENGR	
	Module Present	On Vehicle	DT II Provided
	ECM	Calibration: 41001360H	41001360H
		Calibration: 408001950000	40800195A
	EHCU	Software: 408001930000	408001930000
	1044	Calibration: 16.4.44.2	16.3.38.2
	BCM	Software: 16.4.11.2 16.4.11.2	16.3.8.2
	RHCM	Software: 8.2.3.2 4.0.1.2	8.2.1.2
	LHCM	Software: 9.2.5.2 4.0.1.2	9.2.3.2
liect a Note: If no	lodale to reprogram from the list. available calibrations to displayed, select a module to were the available calibrations to determine if Reflach is desired.	(1)	
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Figure 1. EHCU On-Screen Direction

NOTE

Anti-lock Braking System (ABS) Service procedure is not needed after a reflash, the hydraulic system was not opened to perform reflash.

Vehicles Affected

2023: CVO Street Glide (FLHXSE), CVO Road Glide (FLTRXSE)

2024: CVO Street Glide (FLHXSE), CVO Road Glide (FLTRXSE), CVO Road Glide ST (FLTRXSTSE), Street Glide (FLHX), Road Glide (FLTRX)

2025: CVO Street Glide (FLHXSE), CVO Road Glide (FLTRXSE), CVO Road Glide ST (FLTRXSTSE), CVO Road Glide RR (FLTRXRRSE), Street Glide (FLHX), Street Glide Ultra (FLHXU), Road Glide (FLTRX)

Markets Affected

All markets affected.

Software Version EHCU Calibration Version

Refer to Table 3.

Table 3. Part Numbers

Current Software	Updated Software
40800195	40800195A
40800196	40800196A
40800201	40800201A

Credit Procedure

NOTE

Enter bulletin number M1691 in Event Comments.

For vehicles within factory warranty only, file a Warranty claim for completing the work and note the customer's concern in the comments section of the claim. Table 4.

Table 4. Software Version EHCU Calibration Version

ITEM	DATA
	PRD/MC/DEM -
	PDI/Standard claim
Problem Part Number	41100122
Quantity	Leave Blank
Labor Code ⁽¹⁾	1745
Labor Time	0.2 hours
Customer Concern Code	9203
Condition Code	1745
(1) Download may be required	