

Part 573 Safety Recall Report

22V-781

Manufacturer Name : Harley-Davidson Motor Company

Submission Date : OCT 11, 2023

NHTSA Recall No. : 22V-781

Manufacturer Recall No. : 0635



Manufacturer Information :

Manufacturer Name : Harley-Davidson Motor Company

Address : 3700 W. Juneau Avenue

Milwaukee WI 53201-0653

Company phone : (414) 343-4056

Population :

Number of potentially involved : 199,419

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2019-2022 Harley-Davidson Trike and CVO Trike (See Addendum A)

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : This recall includes a total of 31,572 MY 2019 – 2022 Trike and CVO Trike motorcycles that were manufactured with software that determines if/when the brake lamp(s) should be illuminated.

Motorcycles produced after 06/24/2022 are equipped with a new pressure switch and a software calibration update that addresses the potential concern.

Production Dates : JUL 06, 2018 - JUN 23, 2022

VIN Range 1 : Begin : 1HD1MAF14KB850024 End : 1HD1MCP19NB854018 Not sequential

Vehicle 2 : 2020-2022 Harley-Davidson Touring and CVO Touring (See Addendum A)

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : This recall includes a total of 167,847 MY 2020 - 2022 Touring and CVO Touring motorcycles that were manufactured with software that determines if/when the brake lamp(s) should be illuminated.

Motorcycles produced after 06/24/2022 are equipped with a software calibration update that addresses the potential concern.

Production Dates : JUL 02, 2019 - JUN 23, 2022

VIN Range 1 : Begin : 1HD1KRP18LB600080 End : 1HD1FMP11NB645226 Not sequential

Description of Noncompliance :

Description of the Noncompliance : Certain Touring, CVO Touring, Trike and CVO Trike motorcycles may exhibit a condition due to a system interaction between modules that determines when/if the brake lamp should be illuminated that can result in the brake lamp(s) remaining illuminated regardless of whether the service brakes are applied. This condition may constitute a non-compliance with FMVSS 108, S7.3.5 and Table 1-c.

FMVSS 1 : 108 - Lamps, reflective devices, and assoc. Equipment

FMVSS 2 : NR

Description of the Safety Risk : If the brake lamp(s) remain on, this may increase the risk of a rear end collision by a following vehicle.

Description of the Cause : Certain motorcycles in the identified population motorcycles may exhibit a condition that may result in the brake lamp(s) remaining illuminated.

Identification of Any Warning that can Occur : A rider may detect that the brake lamp(s) is illuminated during the pre-ride inspection.

Involved Components :

Component Name 1 : ABS Module

Component Description : ABS Module (Electro-Hydraulic Control Unit) & Related Software

Component Part Number : 41100061B

Supplier Identification :**Component Manufacturer**

Name : Robert Bosch LLC

Address : 3800 Hills Tech Dr.

Farmington Hills Michigan 48331

Country : United States

Chronology :

6/10/2021 – 10/28/2021: Harley-Davidson's Technical Subcommittee (TSC) investigated reports of brake lamps remaining illuminated on some MY20 Touring motorcycles. The TSC requested parts back from the field, engaged the suppliers and requested support in the investigation, and enlisted the support of H-D Engineering. Warranty and Customer Contact records were reviewed and analyzed. Based upon the information and data available (including the low frequency of known incidents and the fact that this condition can correct itself

based on riding patterns/behavior), the TSC decided to close its investigation.

5/12/2022: The TSC reopened its investigation after receiving reports indicating a higher occurrence rate of this potential issue.

5/13/2022 – 8/24/2022: The TSC reviewed updated Warranty and Customer Contact records. A software change was implemented at H-D assembly plants that eliminated this potential issue on future production. The TSC elected to monitor this issue monthly.

9/2/2022 – 9/13/2022: After reviewing field data while in monitor status, the TSC moved this issue back to Active status. An updated search and analysis of warranty and customer contacts data was performed. The TSC escalated this issue to H-D's Field Action Committee (FAC). There have been 287 claims related to this issue beginning as early as 09/20/2019 through 09/08/2022. Harley-Davidson is not aware of any allegations of "brake light remains on" tied to any accidents or injuries.

9/20/2022: The FAC reviewed the TSC's findings and analysis and escalated the matter to H-D's Executive Decision Authority (EDA).

9/21/2022 – 10/10/2022: The EDA met twice to discuss and review the information available. In addition, H-D reached out to NHTSA's Office of Defect Investigation to discuss the circumstances associated with this issue.

10/11/2022: Based upon the information developed during the investigation, the EDA authorized a voluntary recall to address this condition.

Description of Remedy :

Description of Remedy Program :	Owners of affected motorcycles will be advised to arrange service with an authorized Harley-Davidson dealer, who will perform the remedy at no charge to the customer. Dealers will apply a software update to affected Touring and CVO Touring vehicles. Dealers will apply a software update and install a new pressure switch on affected Trike and CVO Trike vehicles.
How Remedy Component Differs from Recalled Component :	Updated software will address this condition on Touring and CVO Touring models. Updated software and a new pressure switch will address this condition on Trike and CVO Trike models.
Identify How/When Recall Condition was Corrected in Production :	Production motorcycles beginning on 06/24/2022 have been updated and are not subject to the recall condition.

Recall Schedule :

Description of Recall Schedule :	Harley-Davidson will notify the dealer network between 10/21/2022 and 10/28/2022. Owner notification letters will be sent between 10/26/2022 and 11/02/2022.
Planned Dealer Notification Date :	OCT 21, 2022 - OCT 28, 2022
Planned Owner Notification Date :	OCT 26, 2022 - NOV 02, 2022

* NR - Not Reported