

Safety Recall

N242482680 Brake Pressure Switch Connector Fire



Release Date: October 2025

Revision: 02

Revision Description: This bulletin has been revised to update the service procedure, add tape to the part section, and provide two new labor codes. Please discard all previous copies of bulletin N242482680.

Attention:	It is a violation of Federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by this notification under a sale or lease until the defect or noncompliance is remedied. Vehicles involved in this recall were placed on stop delivery June 12, 2025. Once the service procedure contained in this bulletin has been performed on the vehicle, the vehicle is released from stop delivery and the vehicle can be delivered to the customer. All involved vehicles that are in dealer inventory must be held and not delivered to customers, dealer traded, or used for demonstration purposes until the repair contained in this bulletin has been performed on the vehicle. Verify that the vehicle is not involved in N222375270, or that the recall has already been completed. If it has NOT been completed, perform N222375270 prior to beginning this repair. Investigate Vehicle History (IVH) in the GM Global Warranty Management system MUST always be checked to confirm vehicle involvement and MUST be in OPEN status prior to beginning any required inspections and/or repairs. DO NOT use Service Information with VIN search, as it will not verify the VIN eligibility for field actions.
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Make	Model	Model Year	
		From	To
Chevrolet	Silverado 4500HD/5500HD/6500HD	2019	2024

Investigate Vehicle History (IVH) in the GM Global Warranty Management system MUST always be checked to confirm vehicle involvement and MUST be in OPEN status prior to beginning any required inspections and/or repairs. DO NOT use Service Information with VIN search, as it will not verify the VIN eligibility for field actions.

Condition	General Motors has decided that a defect which relates to motor vehicle safety may exist in certain 2019-2024 model year Chevrolet Silverado Medium Duty 4500HD/5500HD/6500HD vehicles. These vehicles may have a brake pressure sensor assembly that may allow brake fluid to leak beyond the diaphragm seal into the brake pressure switch. The brake fluid may seep into the sensor assembly's electrical components and short the brake pressure switch and the associated fuse. If brake fluid shorts the brake pressure switch and the associated fuse, the circuit can generate excessive heat that could result in a fire, increasing the risk of injury. An underhood fire may occur when the vehicle is off and possibly unattended.
Correction	Dealers will replace the brake pressure switch wire harness.

Parts

Quantity	Part Name	Part No.
1	Harness, Brake Jumper; Built 11/30/2020 And Prior	19410082
1	Harness, Brake Jumper; Built 12/01/2020 And After	19410081
As Req	Zip Tie, 14 inch Length	+NPN
1	Battery Terminal Nut, 3/8 Coarse Thread	19405196*
As Req	Blue Dielectric Grease**	+NPN
As Req	DOT 3 Motor Vehicle Brake Fluid	+NPN
1	Woven Polyester Electrical Tape (PET)	1089482***

+ Locally sourced non-GM material.

* Obtain local equivalent nut if the GM part number is not immediately available. It is not necessary to use this specific PN.

** NANO2133005 or equivalent locally sourced.

***To obtain the PET, contact Kent Automotive at [1-888-937-5368](tel:1-888-937-5368) (USA), [1-800-563-1717](tel:1-800-563-1717) (Canada), or www.kent-automotive.com. Dealers that do not have a Kent Automotive account or representative must advise the Customer Service

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Representative that the part(s) is being used for this GM bulletin to obtain special bulletin pricing. **Do not order PET from GMCCA.**

Reminder: Parts may be removed from SPRINT and Retail Inventory Management (RIM) and be non-returnable. Dealers should review the affected parts to confirm RIM managed status. Parts may have quantity limiters in effect. **Due to the limited initial parts availability, dealers should not order these parts for use as shelf stock.**

All orders will be reviewed prior to being filled. Dealers should place orders CSO (Customer Special Order) and upgrade to SPAC with a VIN. VIN Verification will be conducted on the vehicle identification number you input and if it isn't an OPEN Recall in IVH then the order will be cancelled daily.

Warranty Information

Labor Operation	Description	Labor Time	Trans. Type	Net Item
9108114	Replace Brake Switch Harness (2021 – 2024 model year only) Add: Brake Pressure Switch Replacement**	0.6 0.6	ZFAT	*
9108115	Replace Brake Switch Harness (2019 and 2020 model year only) Add: Brake Pressure Switch Replacement** Add: Wrap Harness With Electrical Tape	0.6 0.6 0.2	ZFAT	*
9108016	Customer Reimbursement Approved - For USA and Canada dealers only	N/A	ZFAT	***
9108017	Customer Reimbursement Denied – For USA dealers only	N/A	ZFAT	****
9108018	Floor Plan Reimbursement – NEW INVENTORY ONLY	N/A	ZFAT	*****
9108019	Working Capital Assistance Program Reimbursement – USED INVENTORY ONLY	N/A	ZFAT	*****

* The amount identified in "Net Item" should represent the actual sum total of the current GMCCA Dealer net price for DOT 3 Motor Vehicle Brake Fluid, Blue Dielectric Grease, and PET tape to perform the required repairs, not to exceed \$58.00 USD or 75.70 CAD.

** Only for vehicles with a currently leaking brake pressure switch which have ALREADY HAD Field Action # **N222375270** completed. Includes Brake Pressure Switch replacement and brake system bleeding.

Note: To avoid having to "H" route the customer reimbursement / floor plan / WCAP transaction for approval, it must be submitted prior to the repair transaction.

*** For USA: Submit the dollar amount reimbursed to the Customer in Net/Reimbursement. Submit \$20.00 USD administrative allowance in Net/Admin Allowance.

**** Submit \$10.00 USD administrative allowance in Net/Admin Allowance.

Floor Plan Reimbursement – NEW INVENTORY ONLY

***** For vehicles eligible for floor plan reimbursement, the amount should be submitted in Net Item/Miscellaneous. This amount should represent the product of the vehicle's average daily interest rate (see table below) multiplied by the actual number of days the vehicle was in dealer inventory and not available for sale. This reimbursement is limited to the number of days from the date of the stop delivery message (June 12, 2025) to the date the repair is completed, and the vehicle is ready for sale (not to exceed 90 days).

Vehicle	Floor Plan Reimbursement Amount
	USA
2023 Silverado 4500HD/5500HD/6500HD	\$22.98
2024 Silverado 4500HD/5500HD/6500HD	\$23.79

Working Capital Assistance Program (WCAP) Reimbursement – USED INVENTORY ONLY

Note: To avoid having to "H" route the WCAP transaction for approval, it must be submitted prior to the repair transaction.

Important: The WCAP ZSET transaction labor code, 9800140, provided in the dealer message sent on June 26, 2025, must have been submitted prior to the submittal of the ZFAT transaction labor code or the claim will reject.

***** **USA & Canada Dealers Only** - For vehicles eligible under the Working Capital Assistance Program, the amount should be submitted in Net Item/Miscellaneous. This amount has been calculated to a daily value for the days that the vehicle was in used dealer inventory and not available for sale. This reimbursement is limited to the number of days from the date of the stop sale/stop delivery order (June 12, 2025) to the date the inspection or repair closed the recall bulletin (not to exceed 90 days).

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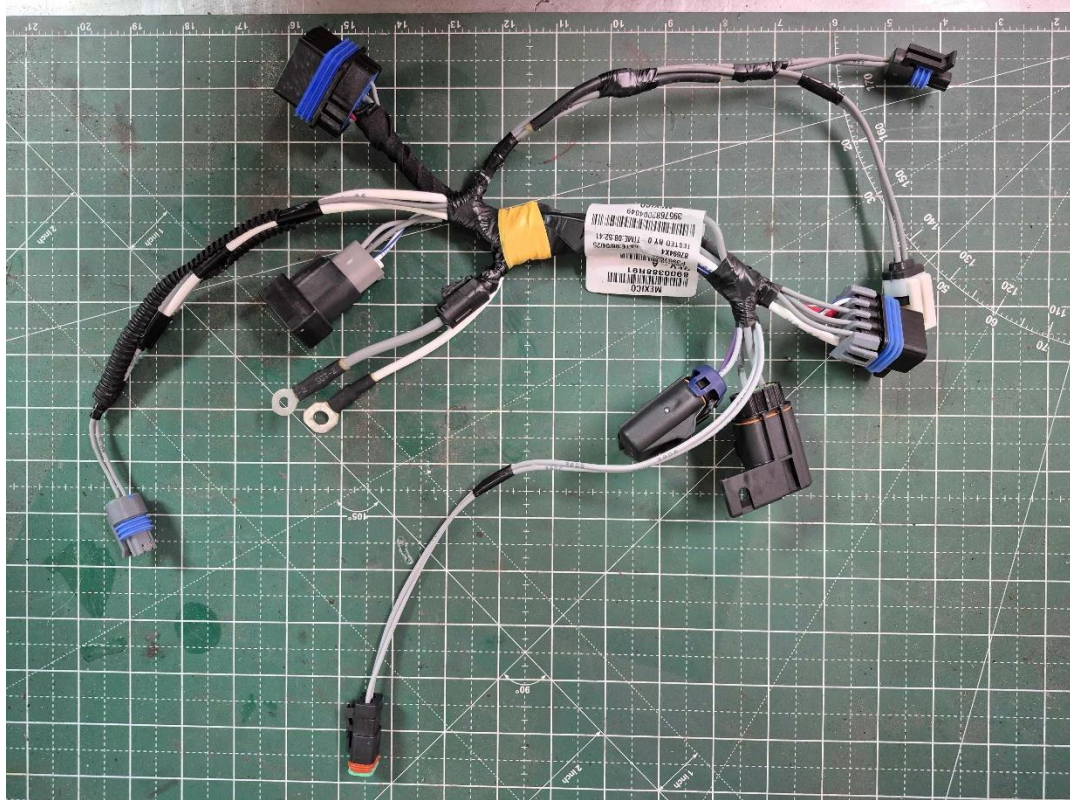


Vehicle	Working Capital Assistance Program Reimbursement Amount
	USA
2019 Silverado 4500HD/5500HD/6500HD	\$25.39
2020 Silverado 4500HD/5500HD/6500HD	\$25.39
2021 Silverado 4500HD/5500HD/6500HD	\$21.85
2022 Silverado 4500HD/5500HD/6500HD	\$23.34
2023 Silverado 4500HD/5500HD/6500HD	\$25.24
2024 Silverado 4500HD/5500HD/6500HD	\$26.60

Service Procedure

1. **Verify that the vehicle is not involved in N222375270, or that the recall has already been completed.** If it has NOT been completed, perform N222375270 prior to beginning this repair.
2. Park the vehicle on a flat surface.
3. Shift the vehicle to park and set the parking brake.
4. Turn the vehicle ignition to key off.
5. Install wheel chocks.
6. Disconnect and isolate negative battery cable on main vehicle battery. Discard battery terminal nut.
7. Unlatch and open hood.

IMPORTANT: Harness part number 19410082 will require the harness to have electrical harness tap installed, if not already fully taped. This tape is to prevent abrasion to the harness from other components.



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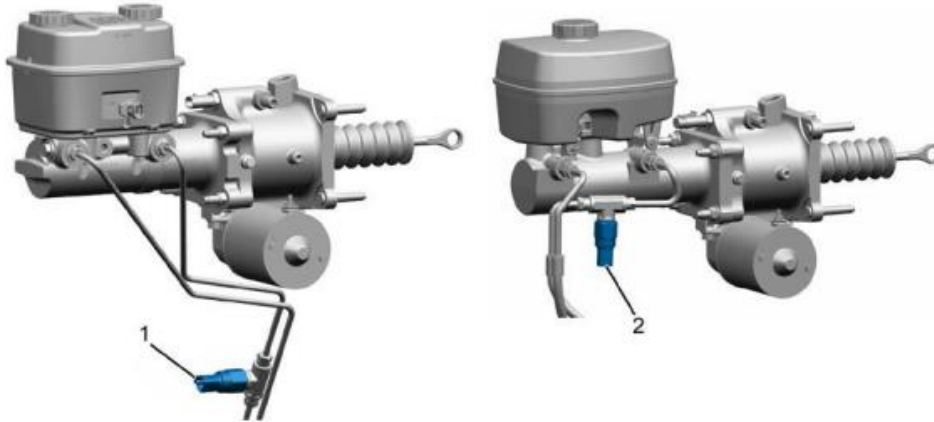
8. Verify the replacement harness is fully taped.
9. If the harness is not fully taped (as above) proceed to step 11 to wrap the harness.
10. If the harness IS fully taped, proceed to step 14.

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11. Starting at the connector for the brake switch, wrap the anti-abrasion tape around the harness three times, and then start taping down the harness.
12. When taping the junction areas of the harness, the electrical tape should be wrapped around all wires going to the junction area. The junction area should overlap $\frac{1}{2}$ the width of the previously installed wrap.
13. Finish each breakout by wrapping the electrical tape around three times before cutting it.



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Figure 1. Brake Pressure Switch Placement

1. Built 11/30/2020 and prior
2. Built 12/01/2020 and after

NOTE: Placement of the brake pressure switch is different for vehicles built 11/30/2020 and prior and vehicles built 12/01/2020 and after (Figure 1, Items 1 and 2).

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Figure 2. Brake Pressure Switch Connector Location

1. Brake pressure switch connector
2. Harness
3. Cable wire tie

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14. Locate the brake booster pressure switch connector (Figure 1, Item 1) located near the vehicle master cylinder.
15. Disconnect the harness connector (Figure 2, Item 2) from the hydraulic brake pressure switch (Figure 2, Item 1).

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Figure 3. Booster Pump Motor Jumper Harness Connector

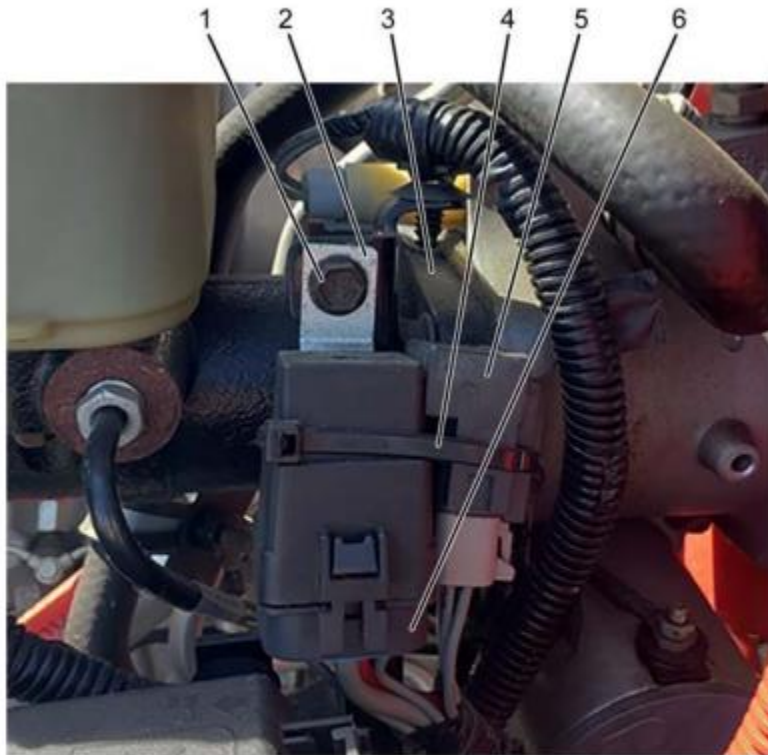
1. Booster pump motor jumper harness connector
2. Center chassis harness connector

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16. Disconnect the backup booster pump motor jumper harness connector (Figure 3, Item 1) from the center chassis harness connector (Figure 3, Item 2).

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Figure 4. Relay Mount

1. Bolt
2. Relay mounting bracket
3. Master cylinder
4. Cable tie strap
5. Diode
6. Relay connector

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17. Cut and discard cable tie strap (Figure 4, Item 4) connecting diode (Figure 4, item 5) to relay mounting bracket (Figure 4, Item 2). Disconnect relay connector (Figure 4, Item 6).
18. If the vehicle you are working on was built 11/30/2020 and prior, perform step 18a. If the vehicle you are working on was built 12/01/2020 and after, perform step 18b.
 - a) For vehicles built 11/30/2020 and prior, Disconnect master cylinder fluid level sensor mounted on brake fluid reservoir, low-pressure brake switch connector mounted on master cylinder, and brake booster flow switch mounted on the Hydromax booster.
 - b) For vehicles built 12/01/2020 and after, disconnect master cylinder fluid level sensor mounted on brake fluid reservoir and brake booster flow switch mounted on the Hydromax booster.

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Figure 5. Hydromax Brake Booster

1. Bolt
2. Ground wire
3. Hydromax brake booster

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19. Remove bolt (Figure 5, Item 1) securing ground wire (Figure 5, Item 2) to the Hydromax Brake Booster (Figure 5, Item 3). Reposition ground wire and save bolt for reuse.

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Figure 6. Booster Pump

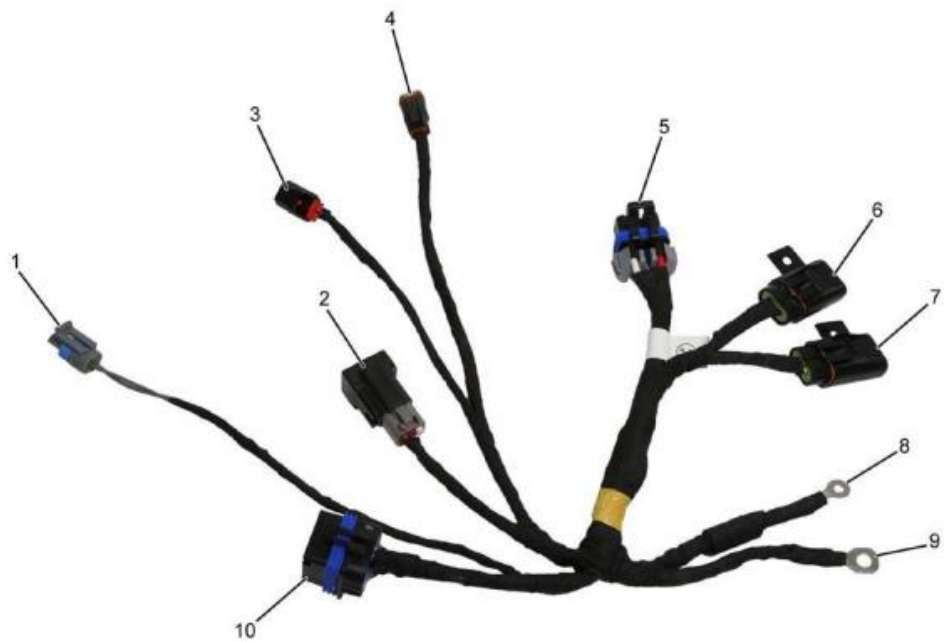
1. Power wire
2. Nut and lock washer
3. Booster pump motor terminal

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20. Remove nut and lock washer (Figure 6, Item 2) securing power wire (Figure 6, Item 1) to booster pump motor terminal (Figure 6, Item 3). Reposition power wire and save nut and lock washer for reuse.

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Figure 7. Brake Jumper Harness for 12/01/2020 and later

1. Brake booster flow switch connector
2. Diode
3. Brake fluid level sensor connector
4. Brake pressure switch connector
5. Booster pump motor jumper harness connector
6. 5-amp fuse
7. 5-amp fuse
8. Power terminal
9. Ground terminal
10. Relay connector

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Figure 8. Brake Jumper Harness for 11/30/2020 and earlier

1. Booster pump motor jumper harness connector
2. Brake pressure switch connector
3. 5-amp fuse
4. 5-amp fuse
5. Power terminal
6. Ground terminal
7. Brake booster flow switch connector
8. Diode
9. Relay connector
10. Master fluid level sensor
11. Low pressure flow switch connector

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21. Record harness routing and location of cable wire ties and clipping saddles.
22. Cut and discard cable ties securing harness and remove harness from vehicle. Discard harness.
Caution: To prevent damage to property, use caution when routing harness. Failure to do so can lead to damage to harness.
23. Using previously recorded routing and clipping locations, route new harness as noted in Step 21.
24. Position ring terminal of power wire (Figure 6, Item 1) over booster pump motor terminal (Figure 6, Item 3). Install lock washer and nut removed in Step 13 (Figure 6, Item 2).
25. Using torque wrench, tighten booster pump motor terminal nut to 17 lb-in (2 N-m).
Caution: To prevent damage to property, ensure even application of dielectric grease to backup pump power terminal nut and booster pump ground bolt. Failure to do so can result in damage to property.
26. Evenly apply dielectric grease to top of backup pump power terminal nut.
27. Evenly apply dielectric grease to both sides of ground ring terminal eyelet.

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28. Position ground bolt (Figure 5, Item 1) through ring terminal eyelet of the ground wire (Figure 5, Item 2) and into the Hydromax Brake Booster.
29. Using torque wrench, tighten ground bolt to 102 lb-in (11.5N-m).
30. If the vehicle you are working on was build 11/30/2020 and prior, perform step 30a. If the vehicle you are working on was build 12/01/2020 and after, perform step 30b.
 - a. Connect master cylinder fluid level sensor mounted on brake fluid reservoir, low-pressure brake switch connector mounted on master cylinder, and brake booster flow switch mounted on the Hydromax booster.
 - b. Connect master cylinder fluid level sensor mounted on brake fluid reservoir and brake booster flow switch mounted on the Hydromax booster.
31. Connect relay connector (Figure 4, Item 6).
32. Connect booster pump motor jumper harness connector to center chassis harness connector.
33. Route brake hydraulic pressure switch connector to the brake hydraulic switch.
34. Using cable tie strap, secure both fuse holders to brake jumper harness.
35. Using cable tie strap, secure diode (Figure 4, Item 5) to relay mounting bracket (Figure 4, Item 2).
36. Connect brake hydraulic switch connector to the brake hydraulic switch.
37. Using a cable tie strap (Figure 2, Item 2), secure brake hydraulic switch connector harness to it's clipping point (Figure 2, Item 2).
38. Using a wire brush, electronic contact cleaner, and compressed shop air, clean negative battery terminal components.
39. Apply BLUE dielectric grease to battery terminal stud, negative battery cable ring terminal, and threads of new battery stud nut.
40. Using new battery stud nut, reconnect negative battery cable to negative terminal on main vehicle battery and install new battery terminal nut.
41. Using torque wrench, tighten battery stud nut to 12-15 lb-ft (16,20 N-m).
42. Turn ignition switch to key ON, engine OFF position.
43. Depress brake pedal to verify backup booster pump motor operation.
44. Turn ignition to key OFF position.
45. Close and latch hood.
46. Remove wheel chocks.

Dealer Responsibility – For USA & Export (USA States, Territories, and Possessions)

It is a violation of Federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by this notification under a sale or lease until the defect or noncompliance is remedied.

The US National Traffic and Motor Vehicle Safety Act provides that each vehicle that is subject to a recall of this type must be adequately repaired within a reasonable time after the customer has tendered it for repair. A failure to repair within sixty days after tender of a vehicle is prima facie evidence of failure to repair within a reasonable time. If the condition is not adequately repaired within a reasonable time, the customer may be entitled to an identical or reasonably equivalent vehicle at no charge or to a refund of the purchase price less a reasonable allowance for depreciation. To avoid having to provide these burdensome remedies, every effort must be made to promptly schedule an appointment with each customer and to repair their vehicle as soon as possible. In the recall notification letters, customers are told how to contact the US National Highway Traffic Safety Administration if the recall is not completed within a reasonable time.

Dealer Responsibility – All

All new, used, GM Certified Pre-Owned (CPO), courtesy transportation vehicles, dealer shuttle vehicles, CarBravo, etc. in dealers' possession and subject to this recall must be held and inspected/repaired per the service procedure of this

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bulletin before customers take possession of these vehicles. Involved vehicles must be held and not delivered to customers, dealer-traded, released to auction, used for demonstration, or any other purpose.

All GM Certified Pre-Owned (CPO) vehicles currently in the dealers' inventory within the SHIFT Digital system will be de-certified and must be held and remedied per the service procedure in this bulletin. Upon submitting an accepted/paid warranty transaction in the Global Warranty Management (GWM) system, the vehicle can be re-certified for sale within the SHIFT Digital system, or once again be used in the Courtesy Transportation Program.

Dealers are to service all vehicles subject to this recall at no charge to customers, regardless of mileage, age of vehicle, or ownership, from this time forward.

Customers who have recently purchased vehicles sold from your vehicle inventory, and for which there is no customer information indicated on the dealer listing, are to be contacted by the dealer. Arrangements are to be made to make the required correction according to the instructions contained in this bulletin. A copy of the customer letter is provided in this bulletin for your use in contacting customers. Recall follow-up cards should not be used for this purpose, since the customer may not as yet have received the notification letter.

In summary, whenever a vehicle subject to this recall enters your vehicle inventory you must take the steps necessary to ensure the program correction has been made before selling the vehicle. In addition, for vehicles entering your facility for service, you are required to ensure the customer is aware of the open recall and make every reasonable effort to implement the program correction as set forth in this bulletin prior to releasing the vehicle.

Dealer Reports – For USA

For dealers with involved vehicles, a listing has been prepared and will be available through GM Global Connect Maxis Field Action Reports or GWM Field Action Batch Search Report. The Inventory tab of the dealer reports will contain VINs that apply to this field action. This information is intended to assist dealers with the **PROMPT COMPLETION** of these vehicles. The Customer In-Service tab will contain customer names and addresses from Motor Vehicle Registration Records. The use of such motor vehicle registration data for any purpose other than follow-up necessary to complete this field action may be a violation of law in several states.

Customer Notification

General Motors will notify customers of this recall on their vehicle (see copy of sample customer letter included with this bulletin).

Customer Reimbursement

Customer requests for reimbursement of previously paid repairs to correct the condition described in the bulletin can be submitted at anytime to the dealer. See General Motors Service Policies and Procedures Manual (USA & Canada) or local Policies and Procedures, for details.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the tools, equipment, safety instructions, and know-how to do a job properly and safely. If a condition is described, **DO NOT** assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your dealer for information on whether your vehicle may benefit from the information.



**We Support
Voluntary Technician
Certification**



IMPORTANT SAFETY RECALL

This notice applies to your vehicle, **VIN:** _____

Dear General Motors Customer:

This notice is sent to you in accordance with the National Traffic and Motor Vehicle Safety Act.

General Motors has decided that a defect, which relates to motor vehicle safety, exists in certain 2019 - 2024 model year Chevrolet Silverado Medium Duty 4500HD/5500HD/6500HD vehicles. As a result, GM is conducting a safety recall. We apologize for this inconvenience. However, we are concerned about your safety and continued satisfaction with our products.

IMPORTANT

- Your vehicle is involved in GM recall N242482680.
- Schedule an appointment with your GM dealer.
- This service will be performed for you at **no charge**.
- **Until the recall remedy is performed, owners are advised to park their vehicles outdoors.**

Why is your vehicle being recalled?

These vehicles may have a brake pressure sensor assembly that may allow brake fluid to leak beyond the diaphragm seal into the brake pressure switch. The brake fluid may seep into the sensor assembly's electrical components and short the brake pressure switch and the associated fuse. If brake fluid shorts the brake pressure switch and the associated fuse, the circuit can generate excessive heat that could result in a fire, increasing the risk of injury. An underhood fire may occur when the vehicle is off and possibly unattended.

What will we do?

Your GM dealer will replace the brake pressure switch wire harness, free of charge. Because of service scheduling requirements, it is likely that your dealer will need your vehicle longer than the actual service correction time of approximately 1 hour and 20 minutes.

What should you do?

You should contact your GM dealer to arrange a service appointment as soon as possible.

When scheduling your appointment, confirm with the dealer that they service Medium Duty Trucks.

Did you already pay for this repair?

Even though you may have previously had repairs for this condition, you will still need to take your vehicle to your dealer for additional repairs. If you have already paid for repairs for the recall condition, **and those repairs were completed prior to this mailing**, please complete the enclosed reimbursement form and present it to your dealer with all required documents. Working with your dealer will expedite your request, however, if this is not convenient, you may mail the completed reimbursement form and all required documents to Reimbursement Department, PO Box 33170, Detroit, MI 48232-5170.

Do you have questions?

You may schedule your vehicle for repair using the QR code below. For more information about your vehicle, or if you have questions or concerns that your dealer is unable to resolve, please visit gm.com/service. You can also use your preferred voice assistant (for example, "Please go to GM.com"), or call the Buick, Chevrolet or GMC Customer Assistance Center at 1-866-467-9700. For Cadillac, please call 1-800-333-4223.

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For the hearing or speech impaired, please contact our Customer Assistance Center using the Telecommunication Relay Service by dialing 711 then providing the appropriate Customer Assistance Center number for your vehicle.

If your dealer fails or is unable to remedy this defect without charge, or within a reasonable amount of time, you may submit a written complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE., Washington, DC 20590, or call the toll-free Vehicle Safety Hotline at 1.888.327.4236 (TTY 1.800.424.9153), or go to <http://www.nhtsa.gov>. The National Highway Traffic Safety Administration Campaign ID Number for this recall is 25V390.

Federal regulation requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

Regina A. Carto
Vice President
Global Product Safety and Systems

Scan here to
locate a dealer.



Enclosure
GM Recall: N242482680