

 U.S. Department of Transportation National Highway Traffic Safety Administration Vehicle Owner's Questionnaire To Report Vehicle Safety Defects 1-888-DASH-2-DOT (1-888-327-4236) INTERNET: www.nhtsa.dot.gov/hotline		FOR AGENCY USE ONLY 100148	
		Date Received 27-FEB-2017 MAY - 2 2017	Repository ☐ Reference No. 10957422
OWNER INFORMATION (Type or Print)			
Name [REDACTED]		Daytime Telephone Number [REDACTED]	
Address [REDACTED]		E-mail Address [REDACTED]	
City ST. CLAIR	State MI	Zip Code [REDACTED]	
The information you provide will be used to identify potential safety-related defects. We may share your information with the applicable vehicle manufacturer during an investigation or recall in accordance with the routine uses described in the agency's Privacy Act notice. See 49 FR 53971 (Sep. 3, 2004).			
VEHICLE INFORMATION			
17 digit Vehicle Identification Number Located at bottom of windshield on driver's side 1GKGK26J8TJ [REDACTED]		Make CHEVROLET	Model SUBURBAN 2500
			Model Year 1999 1996
Date Purchased 2998	Dealer's Name and Telephone Number <i>Information in Vehicle at St. Clair Sheriff's Office</i>		Engine: 454 No. Cylinders
Original Owner ☐	Dealer's City	State MI	Zip Code 48079
Transmission Type	☒ Antilock Brakes ☐ Cruise Control	Powertrain	Incident Date(s) 25-FEB-2017
		Multiple Failure:	
FAILED COMPONENT(S)/PART(S) INFORMATION			
Vehicle Component Code: 030000 BRAKES (PWS) ABS Anti Lock Brake Failure		Failure Mileage 177000	Failure Speed 5
ADDITIONAL ITEMS TO BE COMPLETED WHEN REPORTING A TIRE FAILURE			
Tire Make	Tire Model (Name or Number)		Tire Size (Example P215/65R15)
DOT No. (Example: DOTM19ABC036)	☐ Original Equipment ☐ Prior Repair		Failure Location:
Tire Component Code		Tire Failure Type:	
ADDITIONAL ITEMS TO BE COMPLETED WHEN REPORTING A CHILD SEAT FAILURE			
Make:	Date Manufactured:	Model No./Name:	
Seat Type:	Installation System:		
Child Seat Component Code:	Failed Part:		
APPLICABLE INCIDENT INFORMATION (Please describe in detail the incident(s), failure(s), crash(es), and injury(ies).)			
Crash ☒ Yes ☐ No	Fire ☐ Yes ☒ No	Number of Persons Injured	Number of Deaths
		Reported to Police Y	
Narrative Description of Incident(s), Crash(es), and Injury(ies). Please describe (1) events leading up to the failure, (2) failure and its consequences, and (3) what was done to correct the failure; i.e., parts repaired or replaced (and if old part is available).			
TL* THE CONTACT OWNS A 1999 CHEVROLET SUBURBAN 2500. WHILE DRIVING 5 MPH, THE BRAKE PEDAL WAS DEPRESSED, BUT THE VEHICLE FAILED TO STOP. THE VEHICLE STRUCK A BUILDING. A POLICE REPORT WAS FILED AND THERE WERE NO INJURIES. THE VEHICLE WAS NOT DIAGNOSED OR REPAIRED. THE MANUFACTURER WAS NOTIFIED. THE FAILURE MILEAGE WAS APPROXIMATELY 177,000. <i>Accident Report [REDACTED] 2/25/17 Roehl Deputy - St. Clair County Sheriff's Office - 2 - Fire Trucks were to Accident.</i>			
Include, if available: Police/Fire Department Report, Photos, and Repair Invoice. ATTACH ADDITIONAL SHEETS IF NECESSARY			
The Privacy Act of 1974-Public Law 93-579 This information is requested pursuant to authority vested in the National Highway Traffic Safety Act and subsequent amendments. You are under no obligation to respond this questionnaire. Your response may be used to assist the NHTSA in determining whether a Manufacturer should take appropriate action to correct a safety defect. If the NHTSA proceeds with administrative enforcement or litigation against a manufacturer, your response, or a statistical summary thereof, may be used in support of the agency's action.			

Accident 2/25/2017

Here is situation.

This ABS Anti lock brake system was funny last year.

Took vehicle to the Bell Tire and had new brake lines and brakes checked , 1000.00 of repairs.

Use vehicle mainly for pulling trailers and to take multiply people to and from party's.

Last time used vehicle brakes work good with trailer, but did notice it was little funny when making final stops. But, trailer was loaded and was stopping lot of weight.

This day got Suburban , from garage night before to take wife and friends to bowling tournament.

Morning got up to go get gas at one gas station. After getting gas went to Speedy Q for coffee was pulling up to building at 5 or less miles per hour foot on brake. Pushed brake pedal ABS anti lock brake started pedal got soft , vehicle keep right on going forward. Couldn't stop was night mare over curb into paper box into building before stopping.

Backed vehicle up, no one was hurt. Girl in store, Called police and fire departments, gas station parking lot was full of people in copy minutes.

After this was over, pulled vehicle to friends shop. We installed new master cylinder, went thru brake system..

Everything was fine, but when we pulled vehicle from shop Brake's still not acting right.

Went home, started doing research to find issue, this not stopping at 5 or less miles per hour has happened to varies people with these vehicles and has been happening for years.

One of the solutions for this situation was pulling ABS anti lock brake fuse.

When, fuse was out, brakes were perfect, best in years.

But, ABS anti lock brake light was on at Dash. So, I put fuse back in and drove truck to see if situation would repeat. It was repeating a lot 3 out of 4 times stopping at 4 to 5 miles per hour vehicle would just not stop and go forward 15 to 20 feet before you could stop it. This is not good feeling.

So, I pulled fuse, again Brakes were perfect.

More research,

Found 02-05-25-006B, bulletin about this situation and how to fix it.

This is GM bulletin and it involves many vehicles.

But, I have never got anything from GM about this possible problem.

On internet many people complaining about it.

When, I called GM they didn't tell me about situation. They asked me to take vehicle to Dealer they wanted to investigate. So, I took vehicle to them 6 weeks ago. Last I heard just got tech to look at vehicle, but told me nothing yet as to fix.

I'm rather certain know what it will take to fix situation. Taking apart complete brakes on front of this vehicle getting to ABS speed sensor on bear pack,, Cleaning or replacing bear pack sensor to get proper air gap between sensor and hub reluctor ring.

Here is, problem, this ABS system was designed as safety advantage when braking, to keep vehicle from going out of control. I understand it helps and therefore made vehicle safer.

This slow speed problem, is something they didn't know would happen, it is much greater issue, than safety advantage ABS anti lock brake give use.

Understand, brake shops many don't know this problem.

My, vehicle with this problem was disaster waiting to happen.

No, lights on dash, nothing saying issue present.

Had brakes worked on in good condition.

Yet, vehicle was disaster waiting to happen.

Understand, when braking at high speeds brake work good. Problem is stopping last 20 feet.

This last 20 feet is very important, I hit building, I could have been in middle of intersection or run into train, or someone standing in front of building.

This issue needs attention, it capable of taking life.

Many things with good intentions have issues, this issue needs attention.

Many vehicle's on this bulletin still on road.

Everyone in Michigan and places with salt and rough winters is target for this situation.

I work in sales and have been talking to people, many have vehicles with indications of this problem.

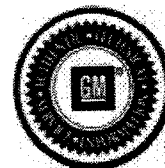
If, you haven't been in vehicle that will not stop at 5 miles per hour, you don't understand the feeling this gives you.

I have had great luck with GM vehicles, love GM products.

But, this situation needs attention.

#02-05-25-006B: Antilock Brake (ABS) Activation at Low Speeds (Clean Wheel Speed Sensor Mounting Surface) - (Jan 5, 2006)

Subject: Antilock Brake (ABS) Activation At Low Speeds (Clean Wheel Speed Sensor Mounting Surface)



Models: 1999-2000 Cadillac Escalade
1995-1999 Chevrolet Silverado (Old Style)
1995-2000 Chevrolet Suburban, Tahoe (Old Style)
1995-2003 Chevrolet Astro Van, Blazer, S10
1995-1999 GMC Sierra (Old Style)
1995-2000 GMC Yukon, Yukon XL (Old Style)
1995-2001 GMC Envoy, Jimmy
1995-2003 GMC Safari Van, Sonoma
1995-2001 Oldsmobile Bravada

This bulletin is being revised to update the correction and warranty information. Please discard Corporate Bulletin Number 02-05-25-006A (Section 05 -- Brakes).

Condition

Some customers may comment on ABS activation at low speeds, usually below 8 km/h (5 mph). Upon investigation, the technician will find no DTCs set.

Cause

The cause of this condition may be an increased air gap between the wheel speed sensor and the hub reluctor ring due to rust and debris built up on the sensor mounting surface.

Correction

Measure AC voltage and clean wheel speed sensor mounting surfaces.

1. Raise the vehicle on a hoist.
2. Disconnect both the front wheel speed sensor harness connectors.
3. Place a DVM across the terminals of each sensor connector.
4. Rotate the wheel with hand speed and measure the ACmV's. The reading should be at least 350 ACmV's.
5. If the reading is between 200 and 350 ACmV's, remove the wheel, caliper and rotor in order to gain access to the speed sensor.
6. Remove the wheel speed sensor and plug the hole to prevent debris from falling into the hub during service.
7. *Clean the wheel speed sensor mounting surface using a wire brush, sand paper, emery cloth, ScotchBrite™, or other suitable material. Be sure to thoroughly clean the wheel speed sensor surface. There should be no rust or corrosion.*
8. *Check the sensor head to determine if it has been warped/distorted due to the corrosion build up or other causes. Check the mounting surface on the sensor head for flatness by*

placing it on the edge of a metal machinists scale or other suitable straight edge to measure the flatness. Check the sensor for flatness in multiple (minimum 3) positions/directions. If the sensor head is distorted, replace the sensor.

9. Apply (spray) two thin coats of the specified rust penetrating lubricant (corrosion inhibitor) to the complete sensor mounting surface on the bearing hub. Allow to dry for 3-5 minutes between coats. Use ONLY Rust Penetrating Lubricant, P/N 89022217 (Canadian P/N 89022218).
10. When the corrosion inhibitor is dry to the touch (about 10 minutes), apply a thin layer of bearing grease to the hub surface and sensor O-ring prior to sensor installation. Use ONLY Wheel Bearing Lubricant, P/N 01051344 (Canadian P/N 993037).
11. Install either the original sensor or a new one in the hub and secure the sensor. Ensure that the sensor is seated flush against the hub.
12. Install the rotor, the caliper and the wheel.
13. Place the DVM across the sensor terminals and recheck the voltage while rotating the wheel by hand. The voltage should now read at least 350 ACmV's.

Parts Information

Part Number	Description
89022217 (Canadian P/N 89022218) (Package of 2 cans)	Rust Penetrating Lubricant (Each can will service 50+ vehicles)
01051344 (Canadian P/N 993037) (Package of 12 tubs)	Wheel Bearing Lubrication - Tub (Each tub will service 25+ vehicles)

Place unused material on dealer shelf for future use.

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
H9714*	Front Wheel Speed Sensor Inspect and Clean (Both Sides)	1.2 hrs

* This is a unique labor operation number for use only with this bulletin. This number will not be published in the Labor Time Guide.

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 equipment, tools, 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 GM dealer for information on whether your vehicle may benefit from the information.