



U.S. Department
of Transportation
National Highway
Traffic Safety
Administration

DOT Auto Safety Hotline
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 100184

Date Received

Repository ☐

204 APR -1 11:33
05-MAR-2004

Reference No.
10061539

OWNER INFORMATION (Type or Print)

Name

Address

City JOHNSTON

State RI

Zip Code

Daytime Telephone Number

E-mail Address

Evening Telephone Number

Do you authorize NHTSA to provide a copy of this report to the manufacturer of your vehicle? ☐ YES ☒ NO
In the absence of an authorized signature, your name or address to the vehicle manufacturer.
Signature of Owner Date 3/18/04

VEHICLE INFORMATION

17 digit Vehicle Identification Number Located at bottom of windshield on driver's side

Make

GMC

Model

SIERRA

Model Year

2002

1GTEC14W22Z160302

Date Purchased

8-7-02

Dealer's Name and Telephone Number

CERRONE

(508) 761-4800

Engine:

No. Cylinders

6

Fuel Type:

GAS

Original Owner

☒

Dealer's City

SO. ATTLEBORO

State

MASS

Zip Code

02703

Transmission Type

AUTO,

☒ Antilock Brakes

Powertrain

☒ Cruise Control

Vehicle Component Code

036000 SERVICE BRAKES, HYDRAULIC:ANTILOCK

Multiple Failure: 2

FAILED COMPONENT(S)/PART(S) INFORMATION

Incident Date(s)

16-NOV-2003

Failure Mileage

18000

Failure Speed

5 M. P. H.

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

0

Number of Deaths

0

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).

ANTI LOCK BRAKES ACTIVATED BY THEMSELVES AT LOW SPEEDS. WHEN DEPRESSING THE BRAKES THEY PULSATED AND CHATTERED. AT LOW SPEED CONSUMER'S VEHICLE COLLIDED WITH THE BACK WALL OF THE GARAGE DUE TO BRAKE FAILURE. NO INJURIES WERE REPORTED.

*AK

Door

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 to 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.

Antilock Brake (ABS) Activation At Low Speeds (Clean Wheel Speed Sensor Mounting Surface) #03-05-25-007 - (09/29/2003)

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

2002-2004 Cadillac Escalade, Escalade EXT

2003-2004 Cadillac Escalade ESV

1999-2004 Chevrolet Silverado

2001-2004 Chevrolet Suburban, Tahoe

2002-2004 Chevrolet Avalanche

2003-2004 Chevrolet Express

1999-2004 GMC Sierra

2001-2004 GMC Yukon, Yukon XL

2003-2004 GMC Savana

2003-2004 HUMMER H2

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 the wheel speed sensor mounting surfaces.

1. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle in the General Information sub-section of the Service Manual (SI Document ID #899664).
2. Disconnect both the front wheel speed sensor (WSS) connectors at the frame and harness.
3. Place a Digital Volt Meter (DVM) across the terminals of each WSS connector.
4. Rotate the wheel clockwise approximately one revolution per second. The minimum reading should be at least 350 ACmV's. If the reading is less than 350 ACmV's, remove the wheel speed sensor. Refer to the applicable Wheel Speed Sensor Replacement procedure in the ABS sub-section of the Service Manual. Plug the WSS

order to prevent debris from falling into the hub during service.
the WSS mounting surface on the hub to remove any rust or corrosion using a wire brush, or equivalent.

4. Verify that the sensor sits flat on the hub. Check the sensor flange against a straight edge to ensure it is square. If the sensor flange is distorted, replace the sensor.

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).

7. Install either the original sensor or a new one in the hub. Ensure that the sensor is seated flush against the hub. Refer to the applicable Wheel Speed Sensor Replacement procedure in the ABS sub-section of the Service Manual.
8. Place the DVM across the sensor terminals and recheck the voltage while rotating the wheel. The voltage should now read at least 350 ACmV's.

Parts Information

Part Number	Description
01051344 (Canadian P/N 993037)	Wheel Bearing Lubrication - Tub

Parts are currently available from GMSPO.

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
H2412	Sensor, Wheel Speed (Front Both) - Replace	Use published labor operation time

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.



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CERTIFICATION

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2002 GMC Truck GMC C Sierra - 2WD



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ACT (FOIA), 5 U.S.C. 552(b)(6).**