



April 20, 2005

**Spartan RSB05-400-001
NHTSA Recall No. 05V-146**

Dear Service Manager:

Spartan Motors is recalling all Spartan Chassis models equipped with Ametek NGI gauges manufactured between 01/06/2002 and 03/31/2005.

Reason: The air gauges are not properly calibrated and the low air warning indicator may be activated when actual air reservoir pressure readings are below the required range of 60 to 65 psi.

We will contact all owners of these units that are affected by this recall. They will be provided with a list of Spartan Authorized Service Centers, including your facility. They will also be advised that they do not need to call Spartan Motors, but they should call the facility on the list that is nearest to them and make an appointment.

SCHEDULING THE WORK:

1. When the customer calls reporting receipt of a Recall Service Bulletin, schedule the work at your mutual convenience.
2. When the customer arrives for the appointment, ask him/her for his recall letter. You can use this to verify the chassis VIN.
3. It will be helpful to verify the "users" current address and phone number.

COMPLETING THE WORK:

1. **You do not need a work authorization number from Spartan Motors to complete this work.** There is no need to call Spartan customer service unless you need technical assistance.
2. Do the work following the instructions on the Recall Service Bulletin.

DOCUMENTING THE WORK:

1. Reference to the identified recall number **05V-146** and the completed work on the submitted invoice will satisfy our need for documentation of this recall.
2. **You will be reimbursed for .5 hours labor to install the enhancement kit.**

If there are contributing factors that cause the recall procedure to take longer than the allotted time, please report that information on your shop repair order instead of the "Record of Completion," including details of the circumstances that resulted in additional time. Enter Recall # **05V-146** as the work authorization number. The time for these repairs will be considered for reimbursement on a case by case basis.

3. Documents submitted for Spartan reimbursement for this recall should not be combined with any other documents being sent to Spartan.

HANDLING A "USER" WITH NO CONFIRMATION LETTER:

1. If you are contacted by a "user" who has not received a recall letter, you should verify that they have an affected chassis and call Wayne Ridge at Spartan Motors (800-393-8861 – Option 3) for verification.
2. Complete the work as instructed.
3. Document the work and submit the claim as instructed under the Documenting the Work section above.

PARTS SUPPLY & DISPOSITION:

1. The shipment of parts will be identified with the recall number. If you need additional parts, please order them by calling Spartan Motors Customer Service at (800) 393-8861 (Option 2).

SPARTAN ASSISTANCE:

1. If you have **technical questions**, please call Spartan Motors' Customer Service Department at (800) 393-8861 (Option 2).
2. If you have questions about warranty claims call Wayne Ridge at (800) 393-8861 (Option 3) or 517-543-6400 ext.445.

SPARTAN  **MOTORS**
CHASSIS, INC.

Customer Assistance Center
Motor home Group – 800-393-8861 (Option 2)

Fax Submittal To:
Spartan Motors Customer Service Center

05V-146
SPEC 05008

PARTS AND AUTH. REQUEST FORM FOR AIR GAUGE CALIBRATION

Unit VIN# (Last five digits)

- | | |
|----------|----------------|
| 1) _____ | Mileage: _____ |
| 2) _____ | Mileage: _____ |
| 3) _____ | Mileage: _____ |
| 4) _____ | Mileage: _____ |

(In the event your company has additional units duplicate this form as needed)

Your Company name: _____

Address: _____ City: _____

State: _____ Zip: _____

Phone: _____ Fax: _____

Contact: _____ Date: _____

Work authorization # _____ (To be entered by Spartan Tech)

Approx. Date for Parts Delivery: ___ / ___ / ___ (Entered by Spartan Technician)

Please fax to Spartan Motors- 517-543-9264 attention: Air Gauge Calibration..

The recall parts order will be processed for this truck, the work authorization number will be entered and this will be re-faxed to you within one business day.

Spartan Motors thanks you for filling out the recall parts and authorization form. Spartan will send you a confirmation of parts shipment along with a warranty authorization number good for .5 hours for labor to perform recall per truck, per authorization.



SPARTAN CHASSIS, INC.

NHTSA # 05V-146

RSB05-400-001B

May, 2005

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RECALL SERVICE BULLETIN

SUBJECT: Ametek NGI Air Pressure Dash Indicator Calibration

Bulletin RSB05-400-001B supersedes bulletin RSB05-400-001A. Any vehicle repaired prior to the release of bulletin RSB05-400-001A, will not require any additional work.

APPLIES TO: All Spartan Chassis Models Equipped with Ametek NGI Air Pressure Dash Indicators, Manufactured before April 1, 2005

CONDITION: Actual air pressure is lower than the reading on the dash indicator causing the low air pressure warning devices to activate when air pressure is below the specified range of 60 to 65 PSI.

CAUSE: The air pressure dash indicators are calibrated incorrectly.

CORRECTION: Install a harness jumper to each air sender.

PART / SERVICE INFORMATION:

Labor Time: 0.5 Hrs.

<u>QTY.</u>	<u>Part Number</u>	<u>Description</u>
1	S-1677-001B	Kit- Ametek Air Pressure Indicator Calibration

Kit #S-1677-001B Contains:

<u>QTY.</u>	<u>Part Number</u>	<u>Description</u>
2	2529-GG5B	Harness Jumper- Air PSI Sender
1	RSB05-400-001B	Document Instructions

**PLEASE READ THE ENTIRE BULLETIN BEFORE
PROCEEDING WITH ANY WORK.**

Technical Service Bulletins are intended for use by Professional Technicians only. They are written to guide Professional Technicians in performing service to vehicles of product specific nature in conjunction with industry standards. Professional Technicians are appropriately trained on industry standards and have the tools and equipment to perform procedures safely and properly.



SPARTAN CHASSIS, INC.

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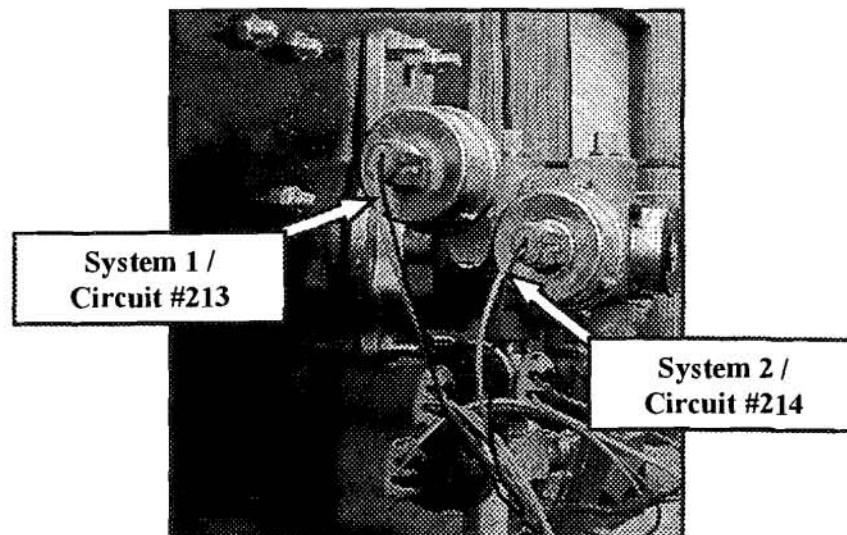
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RECALL SERVICE BULLETIN

STEP-BY-STEP INSTRUCTIONS:

1. Observe all industry safety standards and secure vehicle to allow for disconnection of the air senders at to the front of the treadle assembly.

NOTE: Disconnect ONLY ONE sender at a time to ensure proper reconnection.



SIDE VIEW OF AIR SENDERS

FIG. 2-1

2. Refer to FIG. 3-1. Locate air senders at the front of the treadle assembly mounting plate.

NOTE: Disconnect ONLY one sender at a time to ensure proper reconnection.

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SPARTAN CHASSIS, INC.

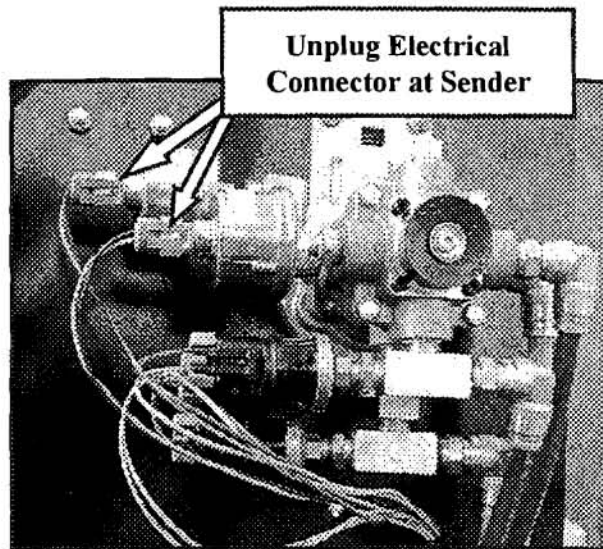
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RECALL SERVICE BULLETIN



FRONT VIEW OF AIR SENDERS

FIG. 3-1

3. Unplug electrical connector at one sender, plug one jumper harness from kit into the sender.
4. Plug electrical connector (previously unplugged from sender) into the jumper harness.
5. Repeat steps #3 and #4 for the remaining sender circuit.
6. Test the operation of the air pressure indicator in the dash.

NOTE: DO NOT adjust the air governor to compensate for changes in the indicator readings.

- 6a. Ensure air system is charged above 65 PSI.

NOTE: Each system is independent. The system 1 and system 2 air dash indicators may not achieve the 60-65 PSI range simultaneously.

- 6b. Pump treadle until the appropriate warning indicators are activated; checking that each air pressure indicator in the dash is reading 60 to 65 PSI.

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