

Newmar Corporation Warranty Department

Technical Service Bulletin

| Date Issued | Model Year(s) Affected | Model(s) Affected | TSB # |
|---|--|--|--|
| 10/20/2006 | 8/10/04 – 12/10/04 | Spartan MM Chassis | 282 |
| Brand | | | Type |
| All <input type="checkbox"/> | American Star <input type="checkbox"/> | Mountain Aire <input type="checkbox"/> | All <input type="checkbox"/> T T <input type="checkbox"/> |
| | Dutch Star <input checked="" type="checkbox"/> | Kountry Aire <input type="checkbox"/> | F W <input type="checkbox"/> C A <input type="checkbox"/> |
| | Kountry Star <input checked="" type="checkbox"/> | Essex <input type="checkbox"/> | D P <input checked="" type="checkbox"/> D B <input type="checkbox"/> |
| Scottsdale <input type="checkbox"/> | Northern Star <input type="checkbox"/> | London Aire <input type="checkbox"/> | |
| <input type="checkbox"/> Air Conditioning & Heating <input type="checkbox"/> Appliances & Accessories <input type="checkbox"/> Cabinets & Furniture <input checked="" type="checkbox"/> Chassis Components <input type="checkbox"/> Construction Components | | | |
| <input type="checkbox"/> Electrical Components <input type="checkbox"/> Exterior Components <input type="checkbox"/> Interior Components <input type="checkbox"/> Plumbing & Bath Components <input type="checkbox"/> Windows, Awnings, Vents, & Doors | | | |
| Description of Problem | | | |
| Brake Application Stroke : Spartan MM Chassis manufactured on specified dates Equipped with a drum brake system on the front Axle causes a slight reduction in front braking do to improper adjustment during manufacturing process. | | | |
| Recommended Solution | | | |
| Manually reset brake adjusters .See Manufacturers attached repair directions. Contact manufacturer directly for additional information or instructions. | | | |

If you have any questions regarding this T.S.B., please contact a Warranty Service Representative at Newmar Corporation.



February 2, 2005

**Spartan RSB05-250-001
NHTSA Recall No. 05V-016**

Dear Service Manager:

Spartan Motors is recalling certain MM and MG models with a vehicle date of manufacture of 08/10/2004 through 12/10/2004, equipped with a drum brake system on the front axle.

Reason: Mis-adjustment of the front brakes. This mis-adjustment may cause reduction in front braking forces resulting in increased stopping distances.

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.

Replacement kits are not required this is just an adjustment. Instructions are enclosed.

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-016** and the completed work on the submitted invoice will satisfy our need for documentation of this recall.
2. **You will be reimbursed for 1.0 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-016** 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) 543-4277 (Option 1).

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 CHASSIS, INC.

NHTSA # 05V-016

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January, 2005

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RECALL SERVICE BULLETIN

SUBJECT: Brake Application Stroke

APPLIES TO: Spartan Chassis MM and MG Models with a Vehicle Date of Manufacture (VDM) of 08-10-2004 through 12-10-2004, Equipped with a Drum Brake System on the Front Axle.

CONDITION: Slight Reduction in Front Braking

CAUSE: Improper Adjustment During Manufacturing Process

CORRECTION: Manually reset brake adjusters.

PART / SERVICE INFORMATION:

The procedure for adjusting the automatic brake adjusters is dependant on the manufacturer. This bulletin references information from different automatic brake adjuster manufacturers. If a referenced document is not available for any reason, please contact Spartan Chassis, Inc. Customer Assistance at 1-800-543-4277.

Labor Time: 1.0 Hr.

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

STEP-BY-STEP INSTRUCTIONS:

1. Observe all industry safety standards and secure vehicle to allow for the manual adjustment of the front brake adjusters.

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- ◆ Instructions provided are for adjustment of one brake adjuster on the front axle.
 - ◆ Repeat the procedure for the remaining adjuster.
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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.



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2. Determine brake adjuster manufacturer and follow the appropriate procedure.

For Crewson Industries automatic brake adjusters, refer to procedure A.

For Haldex automatic brake adjusters, refer to procedure B.

For Meritor automatic brake adjusters, refer to procedure C.

Procedure A – Crewson Industries

Refer to the *Field Inspection and Troubleshooting Guide*,

CI-AO; 3/03, page 1, steps #7 and #8.

Web Address: http://crewsonindustries.com/Docs/Crewson_CI_AO3-03.pdf

A1. Refer to the portion of step #7 to turn the Hex nut clockwise until the shoes contact the drum.

A2. Refer to step #8 to make the manual adjust as described.

Procedure B – Haldex

Refer to *Service Manual – Automatic Brake Adjusters; Transit and Coach Applications*, L30036 Rev. May 2003 (5/03), page 4. Web Address: <http://www.hbsna.com/literature/>

B1. Refer to step #3 to ensure the installation indicator is aligned within the slot as described; make adjustment if necessary.

B2. Refer to step #4 to make the manual adjustment as described.

Procedure C – Meritor

Refer to the *Automatic Slack Adjuster Maintenance Manual 4B*,

3/98, page 16, Free Stroke Measurement, steps #1 and #2.

Web Address: http://www.arvinmeritor.com/tech_library/documents/mm4b.pdf

C1. Make the manual adjustment as described.

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