

NEWMAR CORPORATION

WARRANTY DEPARTMENT

TECHNICAL SERVICE BULLETIN							
DATE ISSUED		MODEL YEAR(S) AFFECTED		MODEL(S) AFFECTED		TSB #	
May 7, 2007		All as described in TSB		Certain DP built on Spartan Mountain Master and K2 Chassis		315	
BRAND						TYPE	
All	<input type="checkbox"/>	American Star	<input type="checkbox"/>	Mountain Aire	<input checked="" type="checkbox"/>	All	<input type="checkbox"/>
		Dutch Star	<input type="checkbox"/>	Kountry Aire	<input checked="" type="checkbox"/>	FW	<input type="checkbox"/>
		Kountry Star	<input type="checkbox"/>	Essex	<input checked="" type="checkbox"/>	DP	<input checked="" type="checkbox"/>
Scottsdale	<input type="checkbox"/>	Northern Star	<input type="checkbox"/>	London Aire	<input type="checkbox"/>	DB	<input type="checkbox"/>
<div style="display: flex; justify-content: space-between;"> <div> <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 </div> <div> <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 </div> </div>							
DESCRIPTION OF PROBLEM							
<p style="text-align: center;">Front shock absorber separation on Spartan units with IFS. Spartan Technical Service Bulletin #TSB06-250-005A</p>							
RECOMMENDED SOLUTION							
<p>Inspect for separated front shock absorbers per attached Spartan TSB. Read procedure thoroughly prior to taking action; all questions should be directed to Spartan Chassis, Inc.</p>							

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



SPARTAN CHASSIS, INC.

TSB06-250-005A

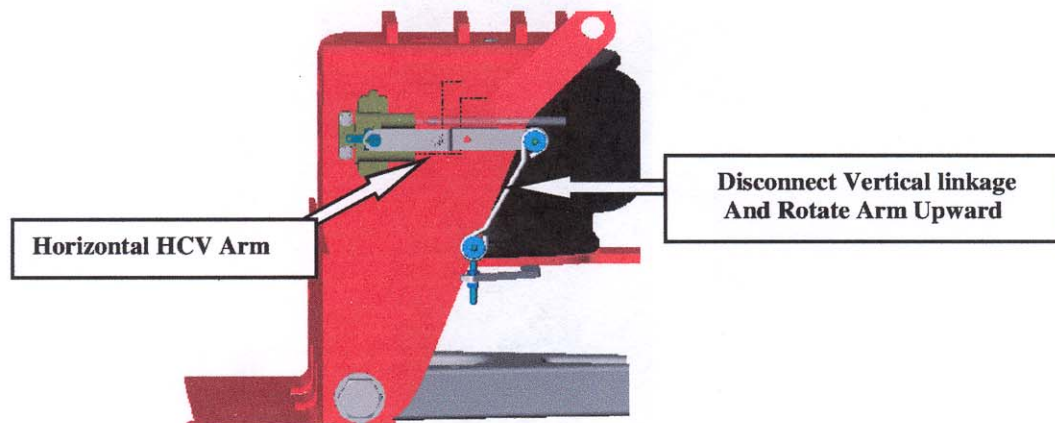
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NOTE: If two HCV's, disconnect the side closes to the shock being replaced.

4. Place jack stands under frame rail before performing any work..



Height Control Valve (HCV)

FIG. 2-2

CAUTION: The shock absorber is gas pressurized and must not be punctured or be subjected to excessive heat which can result in serious personal injury. The shock will expand to its full extended length if not restrained.

REMOVAL

5. Remove lower shock bar pin mounting hardware and retain for installation.
6. Remove upper shock bushing mounting hardware and retain for installation. *Replaced shock(s) must be returned to Spartan Chassis to be reimbursed for warranty claims.*

NOTE: Do not remove lower shock mount bracket from lower control arm.

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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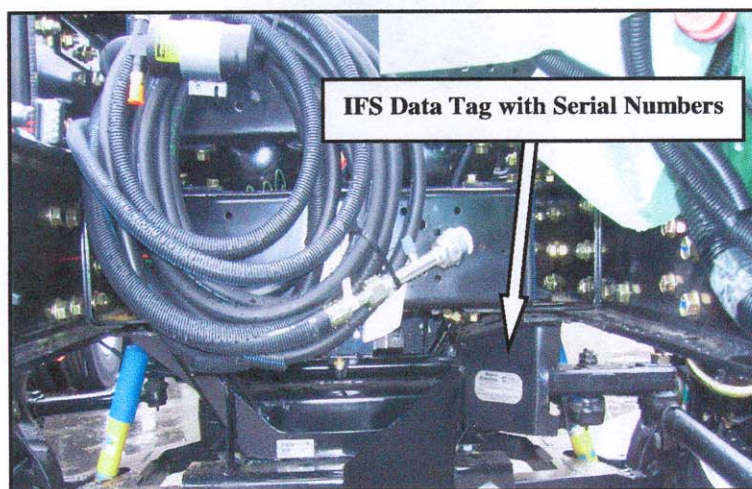
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STEP-BY-STEP INSTRUCTIONS:

1. Observe all industry safety standards and secure vehicle for removal and installation of new shock(s).
2. Refer to FIG. 2-1. Locate serial number on IFS data tag.
 - 2a. If the serial number is *not* in the range of 978452 through 979174 this bulletin does *not* apply to the vehicle.
 - 2b. If the serial number falls in the range described in 2a, proceed to step 3.

NOTE: If shocks have failed due to any other reason other than separation. This bulletin does not apply.



IFS Data Tag Location
FIG. 2-1

3. Refer to FIG.2-2. Inflate air bags by disconnecting one end of the vertical HCV (Height Control Valve) linkage from the horizontal arm. Rotate the horizontal HCV arm upward and secure in place.

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SUBJECT: Front Suspension - IFS Shock(s)

Bulletin #TSB06-250-005 is superseded by bulletin #TSB06-250-005A which adds clarity to the step by step instructions. Any vehicle repaired under bulletin #TSB06-250-005 does not require additional work.

APPLIES TO: Certain Spartan MM and K2 Chassis models equipped with IFS Serial numbers 978452 through 979174.

CONDITION: Shock(s) Absorber Separation

PLEASE READ THE ENTIRE BULLETIN BEFORE PROCEEDING WITH ANY WORK. CONTACT SPARTAN CHASSIS IF THERE ARE ANY CONCERNS WITH THE PROCEDURES CONTAINED IN THIS DOCUMENT

PART / SERVICE INFORMATION:

Labor Time: 1.0 Hr. per shock

Shock(s) must be returned to Spartan Chassis for payment of warranty claims.

If both shock(s) are separated they require replacement and it is necessary to order (2) kits.

<u>QTY.</u>	<u>Part Number</u>	<u>Description</u>
1	S-1812-001A	Kit-IFS Shock Absorber

Kit #S-1812-001A Contains:

<u>QTY.</u>	<u>Part Number</u>	<u>Description</u>
1	700178-06	Shock Absorber
1	TSB06-250-005A	Document Instructions

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INSTALLATION

7. Position shock in suspension such that lower bar pin projects through lower mounting bracket
8. Attach upper shock bushing to suspension subframe with mounting hardware. Do not torque until shock is installed on lower bracket.
9. Attach lower shock bar pin to lower mounting bracket with mounting hardware. Torque to 170 ft. lbs.
10. Torque upper mounting nut to 170 ft. lbs.
11. If both shock(s) separated repeat steps 3 through 10.

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