

NEWMAR CORPORATION WARRANTY DEPARTMENT

TECHNICAL SERVICE BULLETIN																			
DATE ISSUED		MODEL YEAR(S) AFFECTED		MODEL(S) AFFECTED		TSB #													
7/3/2008		2007 – 2008		Certain units w/Spartan DP & ME Chassis		347													
BRAND						TYPE													
All	<input type="checkbox"/>	American Star	<input type="checkbox"/>	Mountain Aire	<input checked="" type="checkbox"/>	All	<input type="checkbox"/>	T T	<input type="checkbox"/>										
Cypress	<input type="checkbox"/>	Dutch Star	<input checked="" type="checkbox"/>	Kountry Aire	<input type="checkbox"/>	F W	<input type="checkbox"/>	C A	<input type="checkbox"/>										
Northern Star	<input type="checkbox"/>	Kountry Star	<input type="checkbox"/>	Essex	<input checked="" type="checkbox"/>	D P	<input checked="" type="checkbox"/>	D B	<input type="checkbox"/>										
Scottsdale	<input type="checkbox"/>	King Aire	<input type="checkbox"/>	London Aire	<input type="checkbox"/>														
All Star	<input checked="" type="checkbox"/>	Ventana	<input checked="" type="checkbox"/>																
<table border="0"><tr><td><input type="checkbox"/> Air Conditioning & Heating</td><td><input type="checkbox"/> Electrical Components</td></tr><tr><td><input type="checkbox"/> Appliances & Accessories</td><td><input type="checkbox"/> Exterior Components</td></tr><tr><td><input type="checkbox"/> Cabinets & Furniture</td><td><input type="checkbox"/> Interior Components</td></tr><tr><td><input checked="" type="checkbox"/> Chassis Components</td><td><input type="checkbox"/> Plumbing & Bath Components</td></tr><tr><td><input type="checkbox"/> Construction Components</td><td><input type="checkbox"/> Windows, Awnings, Vents, & Doors</td></tr></table>										<input type="checkbox"/> Air Conditioning & Heating	<input type="checkbox"/> Electrical Components	<input type="checkbox"/> Appliances & Accessories	<input type="checkbox"/> Exterior Components	<input type="checkbox"/> Cabinets & Furniture	<input type="checkbox"/> Interior Components	<input checked="" type="checkbox"/> Chassis Components	<input type="checkbox"/> Plumbing & Bath Components	<input type="checkbox"/> Construction Components	<input type="checkbox"/> Windows, Awnings, Vents, & Doors
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DESCRIPTION OF PROBLEM																			
Potential fracture and failure of fastener hardware on certain Spartan chassis.																			
RECOMMENDED SOLUTION																			
<p>This TSB / Recall supercedes TSB 327; Spartan has re-issued this repair procedure as NHTSA Recall 08V-275.</p> <p>Inspect fastener hardware per the attached procedure. Spartan allows an inspection time of between .5 - 1.5 hours. <u>Read the attached procedure from Spartan before beginning any inspection or repairs.</u></p> <p>Questions can be directed to Wayne Ridge at Spartan Motors: 1-517-543-6400 ext. 3445.</p>																			



SPARTAN CHASSIS, INC.

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NHTSA # 08V-275

RSB08-940-002

June, 2008

Recall SERVICE BULLETIN

SUBJECT: Fasteners – 5/8" X 1.50" Grade 8 Yellow Flange Head Bolts

APPLIES TO: Certain Spartan Motorhomes having a VDM (Vehicle Date of Manufacture) of May 3, 2007 through July 18, 2007.

CONDITION: Fasteners Fractured

CAUSE: Hydrogen Embrittlement

CORRECTION: Inspect - Replace Fasteners as Needed

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:

Hendrickson Airtel Front Suspension Inspection/Torque Time: **.50 hrs.**

Hendrickson Independent Front Suspension Inspection/Torque Time: **1.00 hrs.**

Tuthill/Granning Independent Front Suspension &
Steering Gear Mounting Inspection/Torque Time: **1.50 hrs.**

Inspection report must be filled out and returned to Spartan Chassis, Inc. before payment will be authorized.

If defective bolts are found and need to be replaced the Labor Time must be preapproved by Spartan Chassis, Inc.

Fastener part numbers are listed below:

<u>Part Number</u>	<u>Description</u>
10110150FH8Y	Bolt – 5/8 – 11 x 1.50" Flanged head
1011FLN8Y	Nut – 5/8 – 11 Flanged Lock nut

STEP-BY-STEP INSTRUCTIONS:

1. Observe all industry safety standards, disconnect any necessary power source and secure vehicle for inspection and possible replacement of certain 5/8" X 1.50" grade 8 yellow flange head bolts.

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.

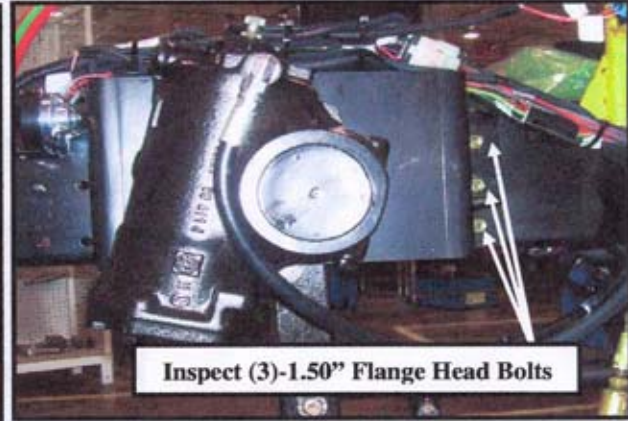
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June, 2008

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STEERING GEAR SUPPORT MOUNTING LOCATION

FIG. 2-1

If the unit is equipped with a Tuthill/Granning Independent Front Suspension (IFS) perform the following:

STEERING GEAR MOUNTING INSPECTION

2. Refer to FIG. 2-1. Visually inspect the six bolts attaching the steering gear support to the frame. If all of the bolts appear to be intact proceed to step 3. If any bolts are missing proceed to step 4.
3. Using a torque wrench set at 50 lbs. ft. attempt to rotate each bolt from which ever side is most accessible. If a bolt or nut rotates it must be replaced. If it does not rotate do not replace. Torque the new bolt and nut to 148 lbs. ft. from the nut, or 185 lbs. ft. from the bolt head.
4. Replace the missing bolts and nuts and torque them to 148 lbs. ft. from the nut or 185 lbs. ft. from the bolt head. Perform step 3 to the bolts that are not missing.
5. Refer to FIG. 3-1 & FIG. 3-2. Visually inspect the bolts attaching the IFS cradle to each frame rail. If all of the bolts appear to be intact proceed to step 6. If any bolts are missing proceed to step 7.
6. Using a torque wrench set at 50 lbs. ft. attempt to rotate each bolt from which ever side is most accessible. If a bolt or nut rotates it must be replaced. If it does not rotate do not replace. Torque the new bolt and nut to 148 lbs. ft. from the nut, or 185 lbs. ft. from the bolt head.
7. Replace the missing bolts and nuts and torque them to 148 lbs. ft. from the nut or 185 lbs. ft. from the bolt head. Perform step 6 to the bolts that are not missing.

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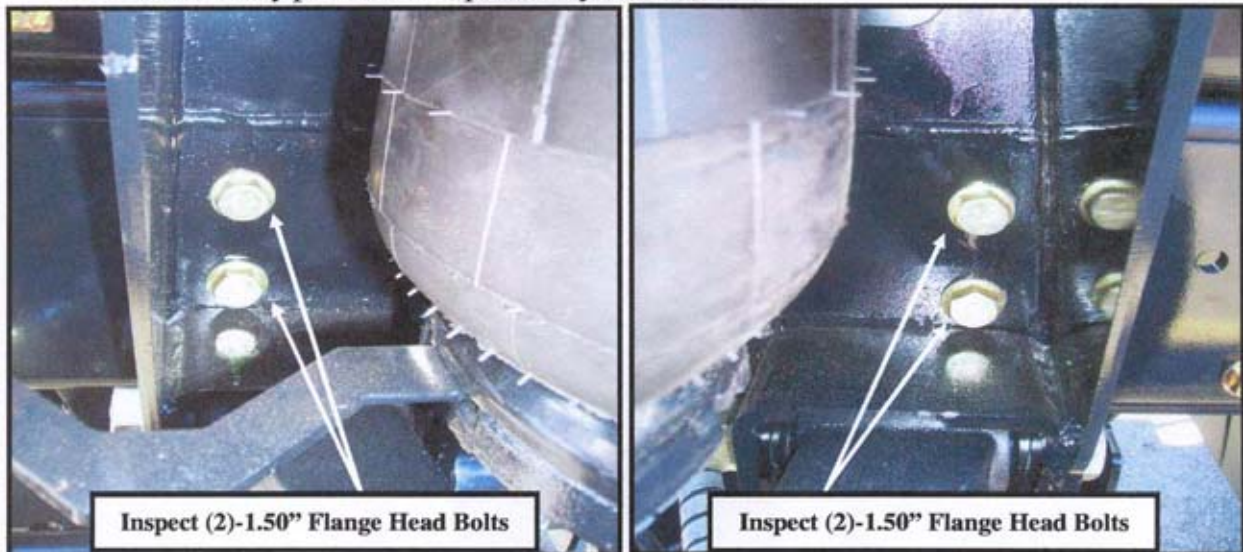
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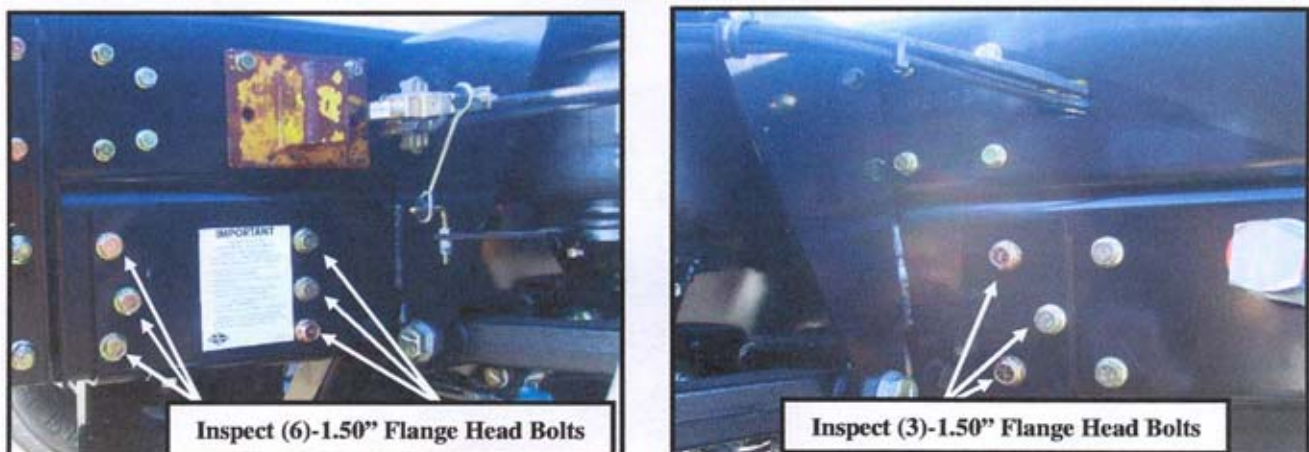
Recall SERVICE BULLETIN

8. Reconnect any power source previously disconnected.



**TUTHIL/GRANNING IFS CRADLE MOUNTING LOCATION
(BEHIND AIRSPRING)**

FIG. 3-1



TUTHIL/GRANNING IFS CRADLE MOUNTING LOCATION

FIG. 3-2

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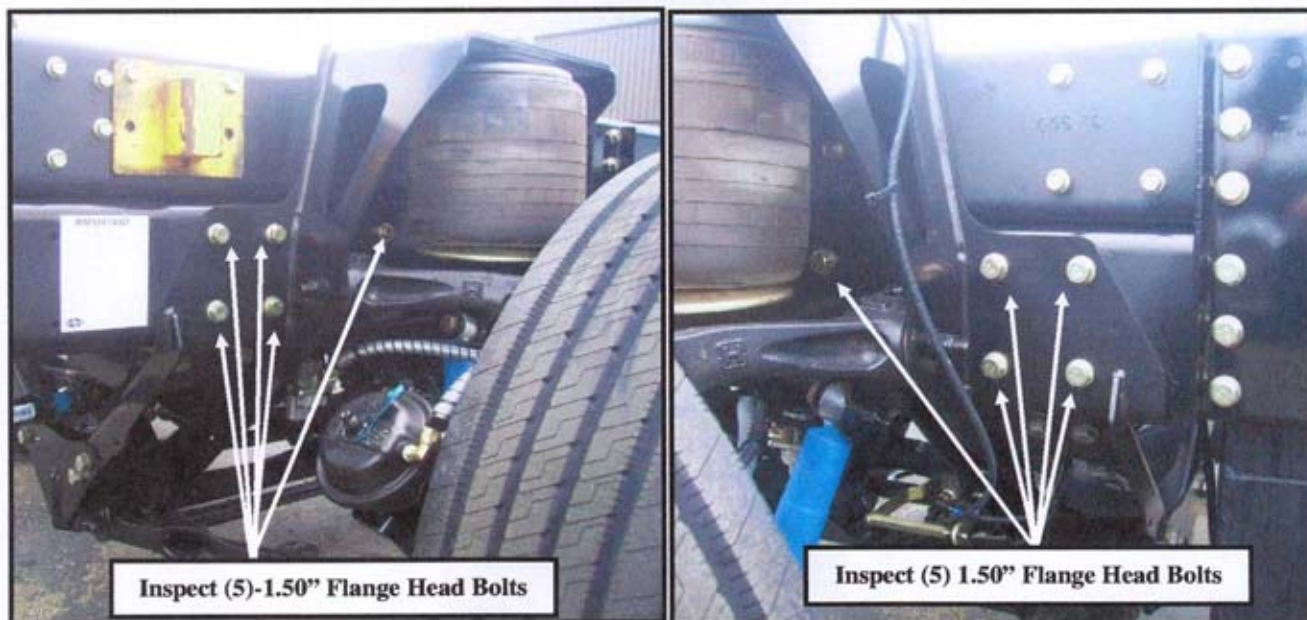
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If the unit is equipped with a Hendrickson Independent Front Suspension (IFS) perform the following:

1. Refer to FIG. 4-1. Visually inspect the bolts attaching the IFS cradle to each frame rail. If all of the bolts appear to be intact proceed to step 2. If any bolts are missing proceed to step 3.
2. Using a torque wrench set at 50 lbs. ft. attempt to rotate each bolt from which ever side is most accessible. If a bolt or nut rotates it must be replaced. If it does not rotate do not replace. Torque the new bolt and nut to 148 lbs. ft. from the nut, or 185 lbs. ft. from the bolt head.
3. Replace the missing bolts and nuts and torque them to 148 lbs. ft. from the nut or 185 lbs. ft. from the bolt head. Perform step 2 to the bolts that are not missing.
4. Reconnect any power source previously disconnected.



HENDRICKSON IFS CRADLE MOUNTING LOCATION

FIG. 4-1

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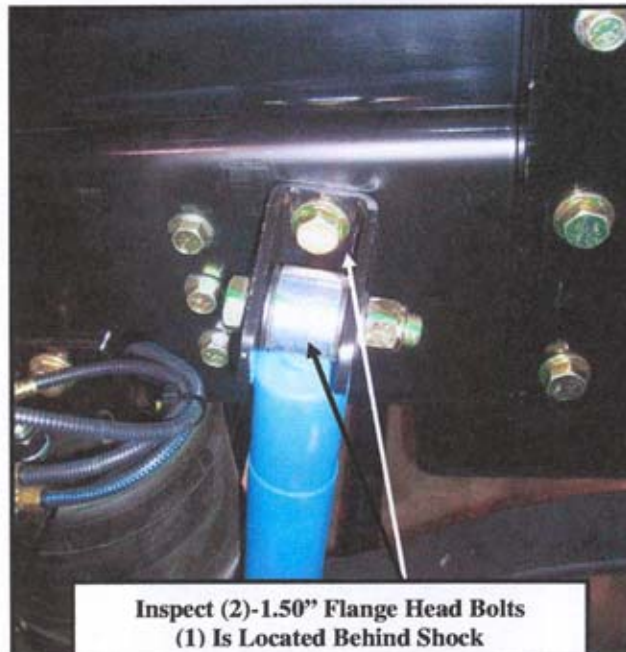
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If the unit is equipped with a Hendrickson Airtek Front Suspension perform the following:

1. Refer to FIG. 5-1. Visually inspect the bolts attaching the front suspension shock absorber upper mounting brackets to each frame rail. If the bolts appear to be intact proceed to step 2. If any bolts are missing proceed to step 3.
2. Using a torque wrench set at 50 lbs. ft. attempt to rotate each bolt from which ever side is most accessible. If a bolt or nut rotates it must be replaced. If it does not rotate do not replace. Torque the new bolt and nut to 148 lbs. ft. from the nut, or 185 lbs. ft. from the bolt head.
3. Replace the missing bolts and nuts and torque them to 148 lbs. ft. from the nut or 185 lbs. ft. from the bolt head. Perform step 2 to the bolts that are not missing.
4. Reconnect any power source previously disconnected.



HENDRICKSON AIRTEK SHOCK MOUNTING LOCATION

FIG. 5-1

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Recall SERVICE BULLETIN

INSPECTION REPORT

Customer Name: _____ VIN # _____

Date of Inspection: _____

Inspected By: _____

Service Facility: _____

Service Facility Address: _____

The vehicle indicated above was inspected in our service facility according to instructions provided to us in the Spartan Chassis recall bulletin RSB08-940-002.

Please check & complete each area representing fastener inspections & or repairs that were performed by your service facility including the quantity of fasteners replaced in each location:

<input type="checkbox"/>	Tuthill / Granning IFS suspension fastener torque inspection: (We replaced the fasteners in this suspension because we found defective fasteners)	_____ Quantity
<input type="checkbox"/>	Tuthill / Granning IFS suspension fastener torque inspection: (We did not find any defective fasteners and did not replace any fasteners)	

<input type="checkbox"/>	Tuthill / Granning Steering Gear Support fastener torque inspection: (We replaced the fasteners in the steering gear support because we found defective fasteners)	_____ Quantity
<input type="checkbox"/>	Tuthill / Granning Steering Gear Support fastener torque inspection: (We did not find any defective fasteners and did not replace any fasteners)	

<input type="checkbox"/>	Hendrickson IFS suspension fastener torque inspection: (We replaced the fasteners in this suspension because we found defective fasteners)	_____ Quantity
<input type="checkbox"/>	Hendrickson IFS suspension fastener torque inspection: (We did not find any defective fasteners and did not replace any fasteners)	

<input type="checkbox"/>	Hendrickson Airtek front suspension shock absorber inspection: (We replaced the fasteners in this suspension because we found defective fasteners)	_____ Quantity
<input type="checkbox"/>	Hendrickson Airtek front suspension shock absorber inspection: (We did not find any defective fasteners and did not replace any fasteners)	

Signature: _____ Date: _____

We have validated and / or repaired all defective materials required as indicated above.

This form must be completed and returned to Spartan Chassis, Inc. before payment will be authorized.

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