



SPARTAN CHASSIS, INC.

1000 REYNOLDS RD • CHARLOTTE, MI 48813 • 517.543.6400

Date

Attach VIN Label Here

IMPORTANT: Safety Notice

SAFETY – RECALL –

Dear Valued Customer,

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Spartan Motors Chassis, Inc. has decided a defect, which relates to motor vehicle safety, may exist in certain motor home chassis assembled by Spartan Motors Chassis, Inc. equipped with a Hendrickson Independent Front Suspension.

Please note: The Vehicle Identification Number that may be affected by this recall is located at the top of this letter.

Defect or Noncompliance:

Front brake chambers may contact the upper control arm of the independent front suspension. Continued contact of the brake chamber with the upper control can cause damage sufficient enough to inhibit the release of the brake. If the brakes do not release, heat could be generated resulting in the brakes to not fully disengage. This could impact the driver's ability to control the vehicle which could result in a vehicle crash.

Corrective Action:

Spartan Motors Chassis, Inc. will have spacers installed beneath the air springs on the IFS at no charge.

Labor Time:

The labor time required to perform said repairs may be 1.0 hour. Due to some service scheduling times, your service center may need your vehicle for a longer period.



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What You Should Do:

Call Spartan Chassis at 1-800-543-4277 Option 1. Steps will be taken to ensure the recall is performed at the nearest authorized service center. You may also find where facilities are located on Spartan's website: <http://www.spartanchassis.com>.

Leased Vehicles:

The lesser must notify the lessee by first class mail within ten (10) days from receipt of their owner notification letter from the manufacturer; both for the initial notification and all subsequent notifications.

Reimbursement:

If you had this repair performed before you received this letter, you may be eligible to receive reimbursement for the cost of obtaining a pre-notification remedy of the problem associated with this recall. For more information contact Spartan Chassis at 800-543-4277 - Option 1.

Reply Card:

Please fill out the enclosed prepaid postcard and mail it to us if you have changed your address, sold, or traded the vehicle.

If the authorized service center has failed or is unable to remedy the defect without charge and within a reasonable time, contact Spartan Chassis at 800-543-4277 - Option 1. You may also submit a complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue SE, Washington, D.C. 20590 or call the Auto Safety Hotline at 888-327-4236 (TTY: 1-800-424-9153); or go to <http://www.safercar.gov> if you feel the manufacturer has failed or is unable to remedy the defect or noncompliance without charge

We regret any inconvenience this service may cause you. Your safety and continued satisfaction with the quality and performance of your Spartan Chassis vehicle is of the utmost concern to us.

Sincerely,



HASSEMBLY INSTRUCTIONS

Hendrickson IFS Independent Front Suspension System for Spartan Chassis, Inc.

SUBJECT: Air Spring Spacer Service Kit
No. 60961-695

LIT NO: 59310-057

DATE: November 2012

REVISION: A

INTRODUCTION

This publication is intended to assist maintenance personnel with the inspection and installation of Air Spring Spacer Service Kit 60961-695 on the Hendrickson IFS independent front suspension systems (rated at 14,600 lbs. capacity) originally equipped on certain Spartan Chassis, Inc. model year 2008-2013 K2 and MM motorhome chassis. Spartan is recalling these vehicles under its Campaign No. 12010, reference NHTSA Recall No. 12V429000, associated with a potential condition in which the front brake chambers may contact the upper control arm of the independent front suspension on the vehicles.

See Hendrickson IFS Technical Publication number 17730-260 for complete service and safety instructions, available online at www.hendrickson-intl.com.

Hendrickson is providing the subject service kits directly to Spartan Chassis, Inc., which is managing the distribution of such kits under Spartan Chassis, Inc. Campaign No. 12010, associated with a potential condition in which the front brake chambers may contact the upper control arm of the independent front suspension on the above referenced vehicles. Please contact Spartan Chassis, Inc. (phone number 1.800.393.8861 or 1.517.543.6400) to order or with questions regarding the availability of the service kits.

Hendrickson Air Spring Spacer Service Kit No. 60961-695 Contents

DESCRIPTION	QTY.
1 1/4" Stainless or Anodized Aluminum Spacer	2
1/2"-13 UNC x 5" Stud	2
1/2"-13 UNC Nylock Nut	2
1/2" Hardened Washer	2
Tube of Loctite (Blue)	1
Assembly Instructions	1
Brake Chamber	2

IFS KIT INSTALLATION

CAUTION

A TECHNICIAN USING A SERVICE PROCEDURE OR TOOL WHICH HAS NOT BEEN RECOMMENDED BY HENDRICKSON MUST FIRST SATISFY HIMSELF THAT NEITHER HIS/HER SAFETY NOR THE VEHICLE'S SAFETY WILL BE JEOPARDIZED BY THE METHOD OR TOOL SELECTED. INDIVIDUALS DEVIATING IN ANY MANNER FROM THE INSTRUCTIONS PROVIDED WILL ASSUME ALL RISKS OF CONSEQUENTIAL PERSONAL INJURY OR DAMAGE TO EQUIPMENT INVOLVED.

WARNING

WEAR PROPER EYE PROTECTION TO HELP AVOID SERIOUS PERSONAL INJURY.

1. Place the vehicle on a level floor.
2. Wheels **MUST** be in the straight ahead position.
3. Chock the wheels.

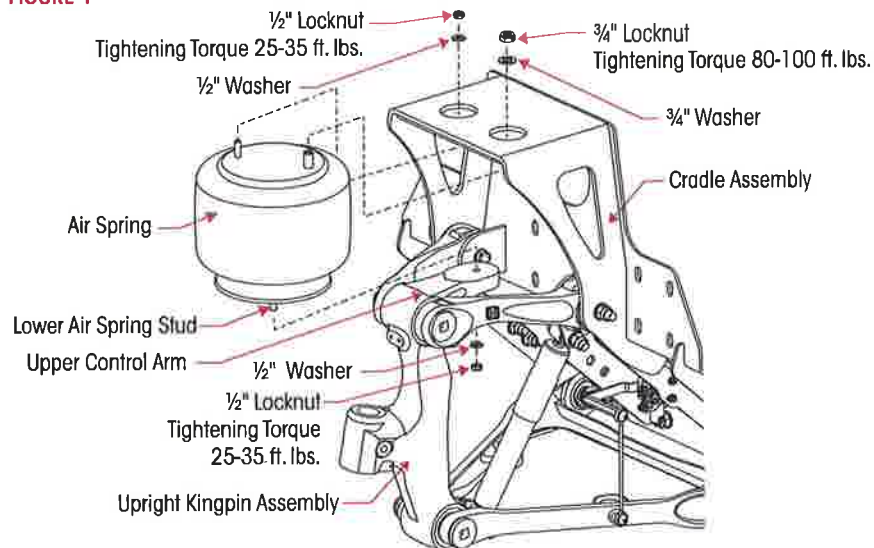
4. Inspect the IFS suspension and adjacent components for sign of any damage. If there is any damage to the upper control arms, slack adjusters, s-cams, s-cam housings, or any other components that may prevent correct operation of the brake chamber, this is unacceptable and component replacement is required. Replace any other damaged components per the vehicle manufacturer's specifications.
5. Support the frame.

WARNING

PRIOR TO AND DURING DEFLATION AND INFLATION OF THE AIR SUSPENSION SYSTEM, ENSURE THAT ALL PERSONNEL AND EQUIPMENT ARE CLEAR FROM UNDER THE VEHICLE AND AROUND THE SERVICE AREA. FAILURE TO DO SO CAN CAUSE SERIOUS PERSONAL INJURY, DEATH, OR PROPERTY DAMAGE.

6. See additional Air Spring Warnings and Instructions in the Important Safety Notice Section of Hendrickson IFS Technical Publication 17730-260 prior to deflating or inflating the suspension system.
7. Fully deflate the suspension by disconnecting the height control valve linkage(s) and lowering height control valve arm or deflate the suspension by using the manual dump switch, if equipped.

FIGURE 1



8. Remove the $\frac{1}{2}$ " lower stud locknut and washer that connects the lower air spring to the upper control arm of the upright kingpin assembly, see Figure 1.

SERVICE HINT

Lower air spring stud removal may be less difficult if the air spring remains on the upper control arm.

9. Remove the lower air spring stud (see Figure 2) from the bottom of the air spring piston.
10. Compress the air spring.
11. Clean the lower stud thread bore in the air spring piston with a tap to remove any residual Loctite in the thread bore.
12. Repeat Steps 8 through 11 for the other side of the vehicle.

ASSEMBLY

1. Position the IFS $3\frac{3}{4}$ " x $1\frac{1}{4}$ " spacer on the upright kingpin assembly in line with the mounting bore, see Figure 2.
2. Position the air spring on top of the spacer.


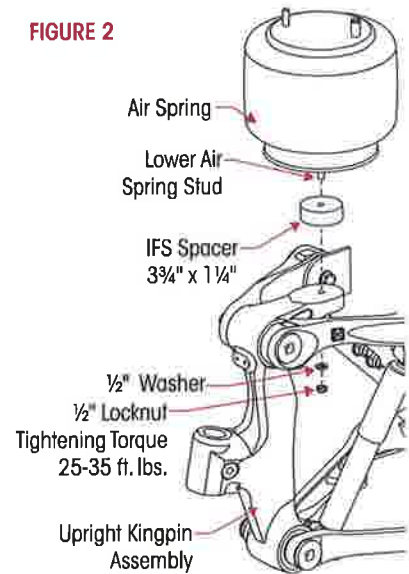
3. Apply a small amount of Loctite 242 (Blue) to the threads that are going into the air spring piston.
4. Thread the stud into the bottom of the air spring piston until it bottoms out. It may be necessary to double nut the end of the stud to tighten it into the air spring.
5. Install the washer and locknut on the stud.
6. Tighten the lower air spring $\frac{1}{2}$ " locknuts to  25-35 foot pounds torque, see Figure 2.
7. Repeat Steps 1 through 6 for the other side of the vehicle.
8. Lower the vehicle.
9. Perform a full wheel cut from left to right and check to ensure there are no rub or interference points on the suspension.

FIGURE 2

**WARNING**


PRIOR TO AND DURING DEFLATION AND INFLATION OF THE AIR SUSPENSION SYSTEM, ENSURE THAT ALL PERSONNEL AND EQUIPMENT ARE CLEAR FROM UNDER THE VEHICLE AND AROUND THE SERVICE AREA, FAILURE TO DO SO CAN CAUSE SERIOUS PERSONAL INJURY, DEATH, OR PROPERTY DAMAGE.

10. See additional Air Spring Warnings and Instructions in the Important Safety Notice Section of Hendrickson IFS Technical Publication 17730-260 prior to deflating or inflating the suspension system.
11. Reconnect the height control valve linkage and allow the suspension to fully inflate to ride height.
12. Check the air springs for leaks.
13. Check the ride height and adjust if necessary, refer to the Alignment & Adjustments Section of Hendrickson IFS Technical Publication 17730-260 for the proper ride height adjustment.

BRAKE CHAMBER DISASSEMBLY

1. Remove the air line from brake chamber.
2. Remove the air fitting from the brake chamber.
3. Remove the clevis pins from the brake chamber yoke and slack adjuster.
4. Remove mounting fasteners from the brake chamber and mounting bracket.
5. Remove the brake chamber from the mounting bracket.
6. Repeat Steps 1 through 5 for the other side of the vehicle.

BRAKE CHAMBER ASSEMBLY

1. Install replacement brake chamber (Part No. 69437-020) in the mounting bracket.
2. Install and tighten brake chamber mounting fasteners to  135-155 foot pounds torque.
3. Due to the slack adjuster to brake chamber upper mounting nut clearance issues, it will be necessary to use a crowfoot socket to torque the locknut to specifications.
4. Install the clevis pins into the yoke and slack adjuster.
5. Install the air fitting in brake chamber.
6. Connect the air line to brake chamber.



7. Repeat Steps 1 through 6 for the other side of the vehicle.
8. Check the operation of brake chambers and brake adjustment for both side of the vehicle.
9. Remove the wheel chocks.

NOTE

Please follow any other instructions provided by Spartan Chassis Inc. associated with its Campaign No. 12010.

Refer any questions regarding this literature or Hendrickson products to Hendrickson Tech Services at:



Toll-free U.S. and Canada
1.866.755.5968
Outside U.S. and Canada
1.630.910.2800



Parts Identification
truckparts@hendrickson-intl.com
Technical Support
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1.630.910.2899



Additional Hendrickson
Product Information
www.hendrickson-intl.com

www.hendrickson-intl.com



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