

NEWMAR CORPORATION

WARRANTY DEPARTMENT

TECHNICAL SERVICE BULLETIN

DATE ISSUED	MODEL YEAR(S) AFFECTED		MODEL(S) AFFECTED	TSB #
04/03/2013	2009-2013		Essex, King Aire	403
BRAND				TYPE
All ☐	American Star ☐	Mountain Aire ☐	All ☐ T T ☐	
Cypress ☐	Dutch Star ☐	Kountry Aire ☐	F W ☐ C A ☐	
Northern Star ☐	Kountry Star ☐	Essex ☒	D P ☒ D B ☒	
Scottsdale ☐	King Aire ☒	London Aire ☐		
All Star ME ☐	Ventana ☐	Bay Star ☐		
☐ Air Conditioning & Heating ☐ Appliances & Accessories ☐ Cabinets & Furniture ☒ Chassis Components ☐ Construction Components ☐ Electrical Components ☐ Exterior Components ☐ Interior Components ☐ Plumbing & Bath Components ☐ Windows, Awnings, Vents, & Doors				
DESCRIPTION OF PROBLEM				
Spartan Motors Chassis, Inc. has released <u>Bulletin CSB12-250-005</u>. They have determined a defect relating to the modulator valves making contact with the IFS relay rod may exist in certain vehicles equipped with IFS2000 model front suspension. The potential affected chassis' assembled by Spartan Motors Chassis, Inc. have vehicle manufacturing dates of February 26, 2009 through January 16, 2013.				
RECOMMENDED SOLUTION				
<u>NEEDED CORRECTION:</u> Add spacer behind ABS modulator valve. <u>NOTE:</u> Please contact the Spartan Customer and Product Support Department @ 800-393-8861 option #1 to obtain the work authorization number and warranty parts for this repair. <u>Labor time:</u> 1 Hour <u>Flat rate code:</u> TSB 403 • <u>Please read this bulletin in its entirety prior to beginning any diagnosis or repairs.</u>				



1541 Reynolds Road Charlotte, MI 48813

SPARTANCHASSIS.COM
517.543.6400

April 3, 2013

RE: Notice of Campaign Service Bulletin: **CSB12-250-005**

Dear Service Manager,

Attached is a copy of Campaign Service Bulletin **CSB12-250-005** regarding the modulator valves making contact with the IFS relay rod on certain IFS2000 model suspensions.

This Campaign applies to vehicles assembled by Spartan Motors Chassis, Inc. as motorhome chassis between vehicle dates of manufacturing of 2/26/2009 and 1/16/2013.

The condition when the steering wheel is turned, the relay rod on the IFS may interfere with the ABS modulator valve.

The correction is to add a spacer behind the ABS modulator valve.

Labor time for this repair is 1 hour.

Please contact our Customer Service Department to obtain the Work Authorization # and warranty parts for this repair and any technical assistance as needed at 800.393.8861 option 1.

Although this is not a safety recall, Spartan Chassis is committed to serving you with your best interests in mind.

Sincerely,

Spartan Chassis, Inc.



Spartan Motors Chassis, Inc.

SERVICE BULLETIN

CSB12-250-005

3/14/2013

SUBJECT: Spartan Motors Chassis, Inc. has determined a defect relating to the modulator valves making contact with the IFS relay rod may exist in certain vehicles equipped with IFS2000 model front suspension.

CONDITION: When the steering wheel is turned, the relay rod on the IFS may interfere with the ABS modulator valve.

APPLIES TO: This bulletin applies to vehicles assembled by Spartan Motors Chassis, Inc. as motorhome chassis between vehicle dates of manufacturing of 2/26/2009 and 1/16/2013.

CORRECTION: Add spacer behind ABS modulator valve.

LABOR ALLOCATION: 1.0 hrs.

PARTS NEEDED:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
1	S-2387-001	Kit – ABS spacer

Kit # S-2387-001 Contains:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
4	05180350H8Y	BOLT 5/16-18X3.50LG HEX GR8 YEL
4	0946-LL2-002	Spacer
1	CSB12-250-005	Document instructions

GENERAL INSTRUCTIONS:

Review entire work procedure before starting work. If there are questions and/or concerns with steps defined in this procedure, contact Spartan Motors Chassis, Inc. Customer & Product Support.

All applicable industry safety standards must be followed when performing work identified in this procedure.

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 Motors Chassis, Inc.

SERVICE BULLETIN

CSB12-250-005

3/14/2013

STEP-BY-STEP INSTRUCTIONS:

1. Locate left and right ABS modulator valves on front IFS suspension. Refer to FIG. 2-1.



FIG. 2-1

2. Remove (2) 5/16 in. bolts, (4) washers, and (2) nuts that mount ABS modulator valve to suspension. Retain washers and nuts for reuse. Refer to FIG. 3-1.

NOTE: Do not remove airline or brake drop hose from valve.

3. Install spacers between ABS modulator valve & mounting plate. Refer to FIG. 3-1.
4. Install new bolts, retained washers, and retained nuts. Torque nut side to 15 lbs. ft.
5. Repeat steps 2 through 4 for opposite side.

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Spartan Motors Chassis, Inc.

SERVICE BULLETIN

CSB12-250-005

3/14/2013

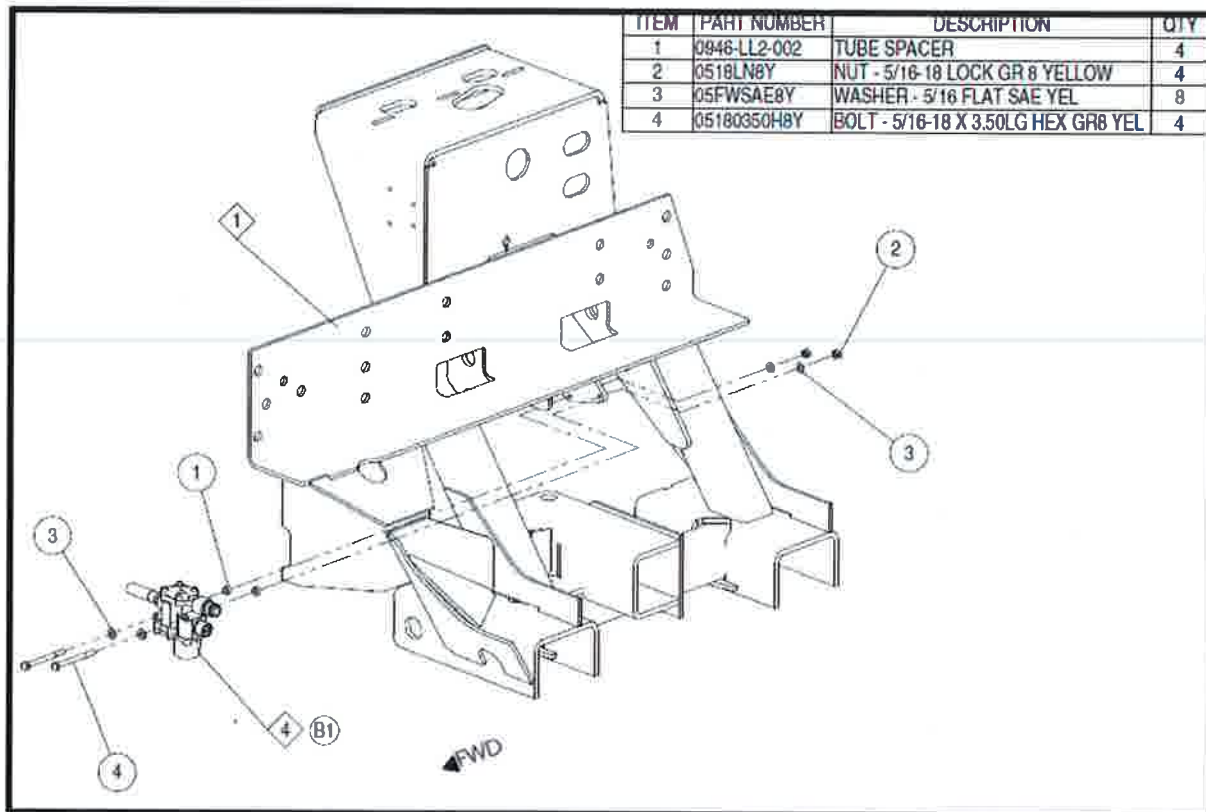


FIG. 3-1

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.

PSR	MZPLNT	VINUM	SALES ORDER	PlantLine	FPN	Unique component	QTY	BDYBLD	VDMDE	MODEL	COMMENTS
1024 MFG		4VZVU1E91AC070211	70211	Pit:04 Ln:01	K324360-011	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K3	2/26/2009
1024 MFG		4VZAU1E98BC073428	73428	Pit:04 Ln:03	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	9/30/2010
1024 MFG		4VZVU1E90CC073992	73992	Pit:04 Ln:03	K324360-015	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K3	11/18/2010
1024 MFG		4VZAU1E99CC074461	74461	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	3/7/2011
1024 MFG		4VZAU1E97CC074510	74510	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	3/14/2011
1024 MFG		4VZAU1E93CC074522	74522	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	3/24/2011
1024 MFG		4VZAU1E93CC074570	74570	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	4/4/2011
1024 MFG		4VZAU1E90CC074624	74624	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	4/11/2011
1024 MFG		4VZAU1E98CC074663	74663	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	4/26/2011
1024 MFG		4VZAU1E91CC074681	74681	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	4/27/2011
1024 MFG		4VZAU1E96CC074724	74724	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	5/3/2011
1024 MFG		4VZAU1E90CC074742	74742	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	5/18/2011
1024 MFG		4VZAU1E90CC074767	74767	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	5/23/2011
1024 MFG		4VZAU1E92CC074785	74785	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	5/24/2011
1024 MFG		4VZAU1E94CC074786	74786	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	6/1/2011
1024 MFG		4VZAU1E9XCC074789	74789	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	6/6/2011
1024 MFG		4VZAU1E96CC074790	74790	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	6/8/2011
1024 MFG		4VZAU1E9XCC074792	74792	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	6/14/2011
1024 MFG		4VZAU1E91CC074793	74793	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	6/14/2011
1024 MFG		4VZAU1E93CC074813	74813	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	6/23/2011
1024 MFG		4VZAU1E96CC074814	74814	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	6/23/2011
1024 MFG		4VZAU1E98CC074824	74824	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	7/20/2011
1024 MFG		4VZAU1E9XCC074825	74825	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	7/27/2011
1024 MFG		4VZAU1E99CC074976	74976	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	7/28/2011
1024 MFG		4VZAU1E97CC074989	74989	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	8/3/2011
1024 MFG		4VZAU1E90CC075109	75109	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	8/30/2011
1024 MFG		4VZAU1E95CC075252	75252	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	9/29/2011
1024 MFG		4VZAU1E93CC075296	75296	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	10/13/2011
1024 MFG		4VZAU1E9XCC075313	75313	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	10/20/2011
1024 MFG		4VZAU1E91CC075314	75314	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	10/24/2011
1024 MFG		4VZAU1E95CC075316	75316	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	10/27/2011
1024 MFG		4VZAU1E90CC075319	75319	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	11/16/2011
1024 MFG		4VZAU1E97CC075320	75320	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	11/16/2011
1024 MFG		4VZAU1E96CC075325	75325	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	11/21/2011
1024 MFG		4VZAU1E92CC075385	75385	Pit:04 Ln:01	K224360-061	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	12/1/2011
1024 MFG		4VZAU1E92CC075404	75404	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	12/7/2011
1024 MFG		4VZAU1E93CC075489	75489	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	12/20/2011
1024 MFG		4VZAU1E9XCC075490	75490	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	12/20/2011
1024 MFG		4VZAU1E9XCC075491	75491	Pit:04 Ln:01	K224360-061	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	12/21/2011
1024 MFG		4VZAU1E98CC075522	75522	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	11/9/2012
1024 MFG		4VZAU1E91CC075524	75524	Pit:04 Ln:01	K224360-061	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	1/10/2012
1024 MFG		4VZAU1E92CC075547	75547	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	1/16/2012
1024 MFG		4VZAU1E94CC075548	75548	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	1/16/2012
1024 MFG		4VZAU1E9XCC075585	75585	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	1/16/2012
1024 MFG		4VZAU1E91CC075586	75586	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	1/23/2012
1024 MFG		4VZAU1E97DC075609	75609	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	1/23/2012
1024 MFG		4VZAU1E99CC075612	75612	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	1/26/2012
1024 MFG		4VZAU1E99DC075613	75613	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	2/2/2012
1024 MFG		4VZAU1E90DC075614	75614	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	2/6/2012
1024 MFG		4VZAU1E92DC075646	75646	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	1	NEWMAR (CHASSIS ONLY	K2	2/9/2012

1024	MFG	4VZAU1E94DC075647	75647	Pit:04 Ln:01	K224360-060	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	2/13/2012	K2
1024	MFG	4VZAU1E9XDC075961	75961	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	4/25/2012	K2
1024	MFG	4VZAU1E92DC076005	76005	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	4/25/2012	K2
1024	MFG	4VZAU1E94DC076037	76037	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	5/8/2012	K2
1024	MFG	4VZAU1E99DC076065	76065	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	5/23/2012	K2
1024	MFG	4VZAU1E98DC076067	76067	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	5/24/2012	K2
1024	MFG	4VZAU1E95DC076144	76144	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	6/25/2012	K2
1024	MFG	4VZAU1E98DC076218	76218	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	7/10/2012	K2
1024	MFG	4VZAU1E9XDC076253	76253	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	7/19/2012	K2
1024	MFG	4VZAU1E91DC076254	76254	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	7/19/2012	K2
1024	MFG	4VZAU1E99DC076261	76261	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	7/24/2012	K2
1024	MFG	4VZAU1E90DC076262	76262	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	7/24/2012	K2
1024	MFG	4VZAU1E95DC076337	76337	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	8/1/2012	K2
1024	MFG	4VZAU1E94DC076345	76345	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	8/9/2012	K2
1024	MFG	4VZAU1E97DC076386	76386	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	8/15/2012	K2
1024	MFG	4VZAU1E94DC076409	76409	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	8/30/2012	K2
1024	MFG	4VZAU1E9XDC076513	76513	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	9/7/2012	K2
1024	MFG	4VZAU1E97DC076520	76520	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	9/14/2012	K2
1024	MFG	4VZAU1E99DC076552	76552	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	9/20/2012	K2
1024	MFG	4VZAU1E91DC076559	76559	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	9/27/2012	K2
1024	MFG	4VZAU1E98DC076588	76588	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	10/3/2012	K2
1024	MFG	4VZAU1E92DC076781	76781	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	12/19/2012	K2
1024	MFG	4VZAU1E97DC077019	77019	Pit:04 Ln:01	K224360-062	1011-DD1-001	1	NEWMAR (CHASSIS ONLY	1/14/2013	K2

Count: 76