

NEWMAR CORPORATION WARRANTY DEPARTMENT

TECHNICAL SERVICE BULLETIN

DATE ISSUED	MODEL YEAR(S) AFFECTED	TSB #
04/14/2015	2014-2015	TSB 414 Recall # 15V-061
BRAND		
Bay Star Sport ☐	Ventana ☐	Essex ☒
Bay Star ☐	Dutch Star ☐	King Aire ☒
Canyon Star ☐	Mountain Aire ☐	Other ☐
Ventana LE ☐	London Aire ☐	
DESCRIPTION		
<u>REASON FOR THIS RECALL</u> Following notification from Spartan Motors Inc., Newmar has determined that a potential hazard exists in certain motor homes. On certain vehicles equipped with a Wabco quick release with double check valves, used to control park/spring brake application, the valve may leak internally. This could cause unintended partial or full park/spring brake application, which could affect service brake function and increase the risk of a crash causing injury and/or damage to property. Correction: Dealers will inspect the valve and replace as necessary. Motorhomes included in this recall include: <u>2014-2015 King Aire and Essex motorhomes built between 12/9/2013 and 12/16/2014.</u> <u>These motor homes require immediate service. Continued use poses a potential safety hazard.</u>		
RECOMMENDED ACTION		
<u>DEALER CAMPAIGN RESPONSIBILITY</u> <i>Dealers are to provide to all customers/owner vehicles the service of completing this campaign at no charge to the customer/owner regardless of vehicle age, vehicle mileage, or ownership at the time of repair.</i> <u>REPAIR PROCEDURE</u> Please reference Spartan Motors Inc. work instructions enclosed. <u>RSB15-330-001</u> If you should have any questions please contact the Newmar service department at: 1-866-290-5371. NHTSA # 15V-061 CAN Recall # 2015-041 Labor Time 0.5 Inspection 0.5 Repair Flat rate code : 15V-061		



Spartan Motors Chassis, Inc.

SERVICE BULLETIN

RSB15-330-001

NHTSA Id: 14V-747

1/15/2015

Transport Canada Id: TC14-532

SUBJECT: Meritor Wabco – Double Check Quick Release Valve.

CONDITION: The reduced air pressure levels may reduce braking performance and/or the parking brakes could reapply, increasing the risk of a crash.

APPLIES TO: This bulletin applies certain model year 2013-2015 Gladiator, DR, K2, K3, MetroStar, MM, and NVS vehicles manufactured between December 14, 2011 and October 21, 2014, equipped with certain Wabco Quick Release Valves (QRDC) with Double Check.

CORRECTION: Inspect and replace valve

LABOR ALLOCATION: Inspection - .5 hrs.
Repair – .5 hrs.

PARTS NEEDED:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
1	S-2470-001	Service Kit, Valve, Quick Release

Kit # S-2470-001 Contains:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
1	3486-MM5-001	Valve Quick Release
1	RSB15-330-001	Instruction Document

GENERAL INSTRUCTIONS:

Please thoroughly 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 Group.

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

INSPECTION OF VALVE INSTRUCTIONS:

1. Inspect valve for manufacturing date code.
2. If the date code is 17/14 or later then the part can remain in stock for assembly.
3. If the date code shows that the part was produced before 17/14 (i.e. 15/14), then quarantine the parts and return to Meritor Wabco.



4. Record quantity of parts inspected, quantity of parts quarantined and the date codes of the quarantined parts for each day that the containment takes place.

STEP-BY-STEP INSTRUCTIONS:

1. Drain system air pressure by pulling air tank lanyards or pumping the air brake pedal.
2. Locate QRDC valve. QRDC valve is attached to the drive axle ABS modulator assembly mounted to the cross member in front of the drive axle. Refer to FIG. 2-1.

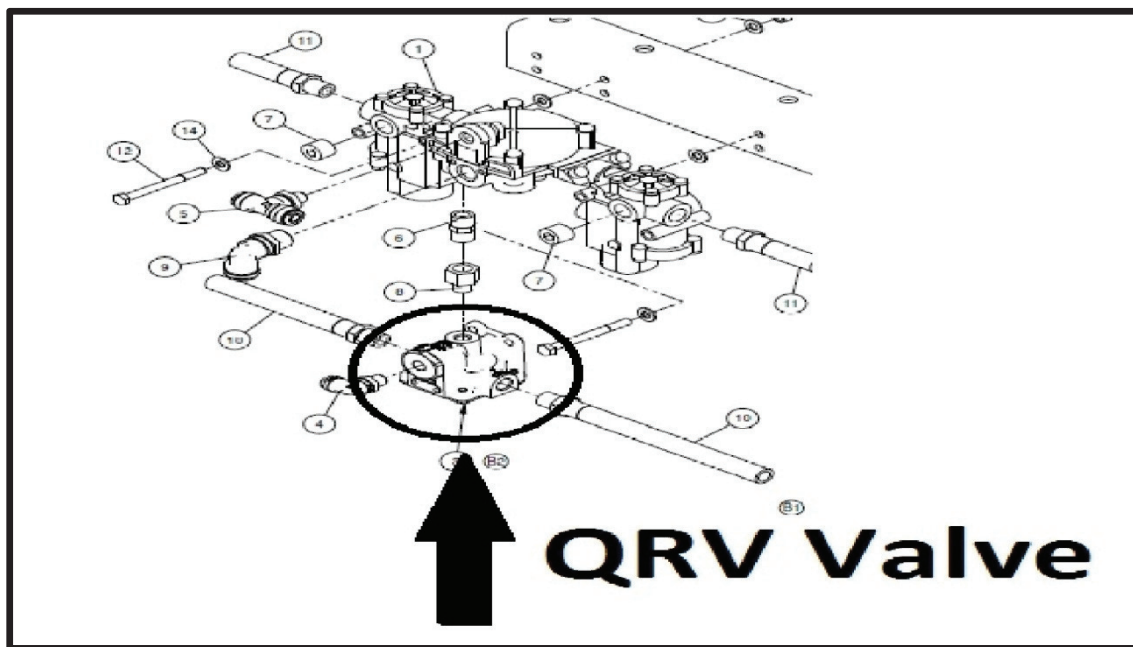


FIG. 2-1

3. Using FIG. 3-1 as a guide remove save the following:
 - a. Brake chamber drop hoses (labeled 3 and 4).
 - Cut cable ties holding ABS sensor cable to drop hoses.
 - Loosen and remove drop hose from brake chamber on both sides (this allows the hose to spin out of the QRDC valve).
 - Loosen and remove the drop hoses from the QRDC valve.
 - b. Park brake supply line and fitting (labeled 2).
 - Keep orange airline seated in fitting and remove fitting from QRDC valve.
 - c. ABS to QRDC connect fitting (labeled 1).



- Using an end wrench spin out the QRDC valve from the ABS modulator body (retain brass fittings for new QRDC valve).
4. Install new provided QRDC valve in reverse order, apply 81801 pipe sealer w/Teflon or equivalent to drop hoses, park brake supply fitting and ABS modulator to QRDC valve fitting threads on the first five threads from end.
 5. Run coach to build up system air pressure and check for the following:
 - Park brake operation.
 - Leaks at the QRDC valve.

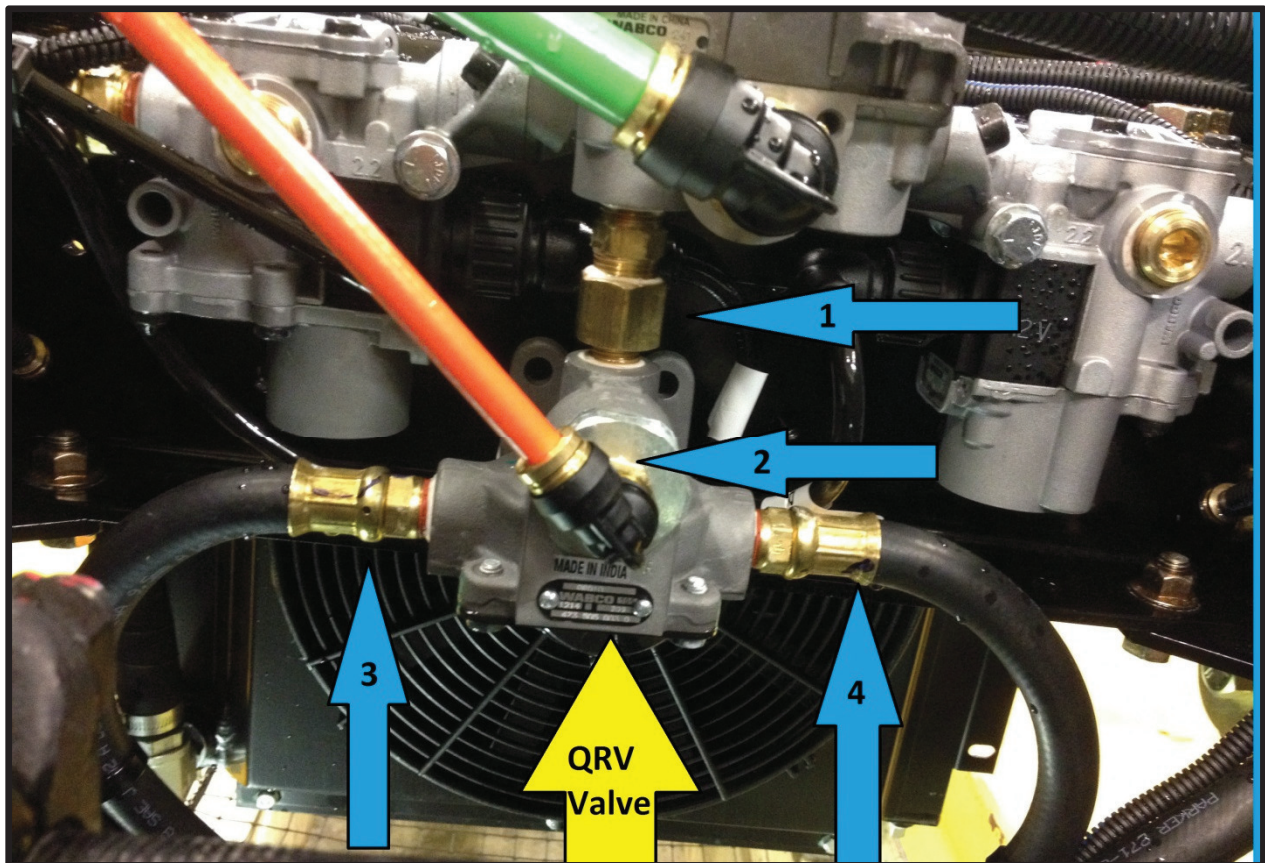


FIG. 3-1

VIN Number	Production Number	Model Year	Brand	Type	Floor Plan	Date In Production	Date Off Production
4VZVU1E9XFC079481	530297	2015	KG	DB	4553	11/11/2014	11/20/2014
4VZVU1E98EC078456	530240	2014	KG	DB	4593	2/5/2014	2/14/2014
4VZVU1E94FC078715	530259	2015	KG	DB	4553	5/8/2014	5/19/2014
4VZVU1E91FC079255	530282	2015	KG	DB	4553	9/18/2014	9/29/2014
4VZAU1E9XEC078327	801074	2014	EX	DP	4544	12/10/2013	12/19/2013
4VZVU1E98FC078684	801096	2015	EX	DP	4553	5/6/2014	5/14/2014
4VZAU1E99EC079050	801097	2014	EX	DP	4553	5/12/2014	5/21/2014
4VZVU1E91EC078752	530248	2014	KG	DB	4584	3/17/2014	3/25/2014
4VZVU1E93FC079239	530281	2015	KG	DB	4553	9/12/2014	9/23/2014
4VZVU1E90EC078791	530253	2014	KG	DB	4593	4/4/2014	4/14/2014
4VZVU1E97EC078173	530233	2014	KG	DB	4593	12/9/2013	12/17/2013
4VZAU1E91EC078328	801073	2014	EX	DP	4553	12/17/2013	1/14/2014
4VZVU1E98FC079429	530292	2015	KG	DB	4553	10/30/2014	11/7/2014
4VZVU1E98EC078800	530252	2014	KG	DB	4593	4/11/2014	4/23/2014
4VZVU1E99EC079034	530266	2015	KG	DB	4599	6/17/2014	6/25/2014
4VZAU1E97EC078978	801087	2014	EX	DP	4553	4/28/2014	5/6/2014
4VZVU1E92FC079121	801116	2015	EX	DP	4553	7/29/2014	8/7/2014
4VZAU1E91EC078958	801090	2014	EX	DP	4544	5/1/2014	5/12/2014
4VZVU1E96FC079042	801099	2015	EX	DP	4553	6/11/2014	6/19/2014
4VZVU1E96EC078701	530244	2014	KG	DB	4593	3/19/2014	3/27/2014
4VZVU1E98EC078957	530257	2014	KG	DB	4593	4/30/2014	5/8/2014
4VZVU1E98FC079527	801134	2015	EX	DP	4553	10/7/2014	10/15/2014
4VZVU1E95FC079081	530276	2015	KG	DB	4553	8/8/2014	8/19/2014
4VZVU1E96FC078974	530268	2015	KG	DB	4553	6/24/2014	7/10/2014
4VZVU1E91EC079027	530261	2015	KG	DB	4593	5/20/2014	6/3/2014
4VZVU1E98FC079284	530284	2015	KG	DB	4553	9/25/2014	10/6/2014
4VZVU1E9XFC079254	801108	2015	EX	DP	4503	8/22/2014	9/3/2014
4VZAU1E95EC079076	801098	2014	EX	DP	4544	5/28/2014	6/10/2014
4VZVU1E97FC079079	801113	2015	EX	DP	4553	7/18/2014	7/29/2014
4VZVU1E92FC079135	530275	2015	KG	DB	4503	8/21/2014	9/2/2014
4VZVU1E96FC079350	530288	2015	KG	DB	4553	10/14/2014	10/22/2014
4VZVU1E95EC078334	530236	2014	KG	DB	4599	1/15/2014	1/23/2014
4VZVU1E99FC079360	530289	2015	KG	DB	4553	10/21/2014	10/29/2014
4VZVU1E9XFC078492	530260	2015	KG	DB	4503	5/9/2014	5/21/2014
4VZVU1E97EC079033	530265	2015	KG	DB	4584	5/22/2014	6/9/2014
4VZVU1E99EC078174	530234	2014	KG	DB	4593	12/16/2013	1/13/2014
4VZAU1E91EC079088	801101	2014	EX	DP	4553	6/2/2014	6/12/2014
4VZVU1E95EC078849	530245	2014	KG	DB	4599	4/16/2014	4/28/2014
4VZAU1E95EC078333	801089	2014	EX	DP	4553	4/16/2014	4/29/2014
4VZVU1E95FC078027	530255	2015	KG	DB	4503	3/26/2014	4/3/2014
4VZVU1E92EC078792	530250	2014	KG	DB	4593	4/8/2014	4/16/2014
4VZVU1E96FC079073	801102	2015	EX	DP	4503	6/20/2014	7/9/2014
4VZVU1E95FC079193	801121	2015	EX	DP	4553	8/18/2014	8/27/2014
4VZVU1E9XFC079318	801124	2015	EX	DP	4553	9/17/2014	9/26/2014
4VZVU1E98EC078411	530242	2014	KG	DB	4593	1/23/2014	2/4/2014
4VZVU1E93EC078753	530254	2014	KG	DB	4593	3/31/2014	4/9/2014
4VZVU1E98FC079043	530270	2015	KG	DB	4553	7/14/2014	7/22/2014
4VZVU1E95EC078799	530251	2014	KG	DB	4584	4/9/2014	4/17/2014
4VZVU1E93FC079578	801140	2015	EX	DP	4553	10/30/2014	11/10/2014
4VZVU1E97FC079311	530287	2015	KG	DB	4599	9/19/2014	9/30/2014
4VZAU1E93EC078332	801093	2014	EX	DP	4553	4/24/2014	5/5/2014
4VZVU1E9XEC078412	530239	2014	KG	DB	4584	1/29/2014	2/7/2014

VIN Number	Production Number	Model Year	Brand	Type	Floor Plan	Date In Production	Date Off Production
4VZVU1E93EC079031	530263	2015	KG	DB	4593	5/20/2014	6/4/2014
4VZVU1E98FC079348	801129	2015	EX	DP	4503	9/22/2014	10/1/2014
4VZAU1E95EC078266	801077	2014	EX	DP	4544	12/12/2013	1/8/2014
4VZVU1E9XFC079075	530269	2015	KG	DB	4503	7/25/2014	8/5/2014
4VZVU1E92EC078498	530238	2014	KG	DB	4584	2/13/2014	2/24/2014
4VZVU1E9XFC079528	530298	2015	KG	DB	4599	12/8/2014	12/16/2014
4VZVU1E91FC079529	530300	2015	KG	DB	4553	12/12/2014	1/8/2015
4VZVU1E91EC078489	530241	2014	KG	DB	4584	2/7/2014	2/18/2014
4VZVU1E94EC078700	530249	2014	KG	DB	4593	3/5/2014	3/17/2014
4VZVU1E95FC079310	801120	2015	EX	DP	4553	9/4/2014	9/12/2014
4VZVU1E94FC078973	530262	2015	KG	DB	4553	6/9/2014	6/18/2014
4VZVU1E97FC079194	530279	2015	KG	DB	4553	9/9/2014	9/17/2014
4VZVU1E99FC079309	801123	2015	EX	DP	4503	9/11/2014	9/19/2014
4VZVU1E90FC079120	801106	2015	EX	DP	4553	7/22/2014	7/31/2014
4VZVU1E91FC079482	530295	2015	KG	DB	4553	12/4/2014	12/15/2014
4VZVU1E93FC079080	530277	2015	KG	DB	4553	8/4/2014	8/12/2014
4VZVU1E96FC079283	530283	2015	KG	DB	4553	9/24/2014	10/2/2014
4VZVU1E99FC079133	801105	2015	EX	DP	4503	8/14/2014	8/25/2014
4VZVU1E98FC078491	801100	2015	EX	DP	4503	6/12/2014	6/23/2014
4VZVU1E9XFC079349	801127	2015	EX	DP	4503	9/29/2014	10/8/2014
4VZVU1E9XFC079576	801135	2015	EX	DP	4553	10/16/2014	10/24/2014
4VZVU1E90EC079035	530267	2015	KG	DB	4584	6/19/2014	7/7/2014
4VZVU1E90FC079361	530290	2015	KG	DB	4503	10/22/2014	10/30/2014
4VZVU1E91FC079238	530280	2015	KG	DB	4553	9/16/2014	9/24/2014
4VZVU1E91FC079319	530286	2015	KG	DB	4553	10/1/2014	10/10/2014
4VZVU1E91FC079563	801133	2015	EX	DP	4503	10/9/2014	10/17/2014
4VZVU1E91FC079577	801128	2015	EX	DP	4553	10/23/2014	11/3/2014
4VZVU1E91FC079580	801148	2015	EX	DP	4553	11/6/2014	11/17/2014
4VZVU1E94FC079430	530293	2015	KG	DB	4553	11/4/2014	11/12/2014
4VZVU1E95EC079032	530264	2015	KG	DB	4593	5/21/2014	6/5/2014
4VZVU1E95FC079386	530291	2015	KG	DB	4553	10/29/2014	11/6/2014
4VZVU1E95FC079579	801141	2015	EX	DP	4553	10/28/2014	11/5/2014
4VZVU1E96EC078455	530243	2014	KG	DB	4593	1/31/2014	2/11/2014
4VZVU1E96FC079428	801132	2015	EX	DP	4503	10/3/2014	10/13/2014
4VZVU1E98FC079320	530285	2015	KG	DB	4503	10/6/2014	10/15/2014
4VZVU1E98FC079480	801125	2015	EX	DP	4553	10/10/2014	10/20/2014
4VZVU1E94FC079282	801118	2015	EX	DP	4553	8/29/2014	9/10/2014
4VZVU1E9XEC079026	530258	2014	KG	DB	4593	5/15/2014	5/28/2014
4VZVU1E9XFC079044	530272	2015	KG	DB	4553	8/20/2014	8/28/2014
4VZVU1E9XFC079237	801111	2015	EX	DP	4553	9/2/2014	9/11/2014
4VZVU1E94FC079122	530274	2015	KG	DB	4503	7/31/2014	8/11/2014
4VZVU1E96EC078410	530237	2014	KG	DB	4599	1/17/2014	1/27/2014
4VZVU1E98FC079253	801112	2015	EX	DP	4553	9/5/2014	9/15/2014
4VZVU1E91FC079028	530273	2015	KG	DB	4553	7/10/2014	7/18/2014
4VZVU1E98FC078975	530271	2015	KG	DB	4503	7/7/2014	7/15/2014

Canadian Units

VIN Number	Production Number	Model Year	Brand	Type	Floor Plan		Date In Production
4VZAU1E96EC078972	801080	2014	EX	DP	4544		5/5/2014
4VZVU1E9XEC078667	530246	2014	KG	DB	4593		3/3/2014
4VZVU1E90FC079134	530278	2015	KG	DB	4503		8/26/2014
4VZVU1E91EC078850	530256	2014	KG	DB	4593		4/23/2014

VIN Number	Production Number	Model Year	Brand	Type	Floor Plan	Date In Production	Date Off Production
4VZVU1E93FC079192	801115	2015	EX	DP	4503		8/11/2014
4VZVU1E96FC079512	530296	2015	KG	DB	4503		12/1/2014
4VZVU1E99EC078305	530231	2014	KG	DB	4599	12/19/2013	1/16/2014
4VZVU1E98FC079074	801103	2015	EX	DP	4553		6/25/2014