



# 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.

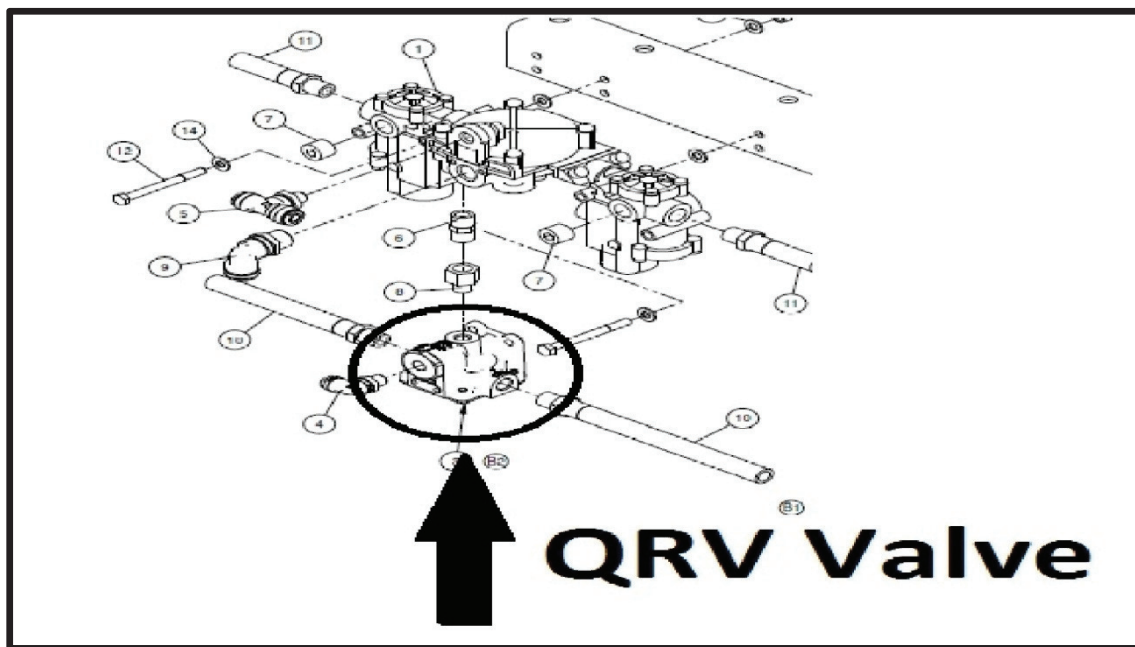


FIG. 2-1

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.

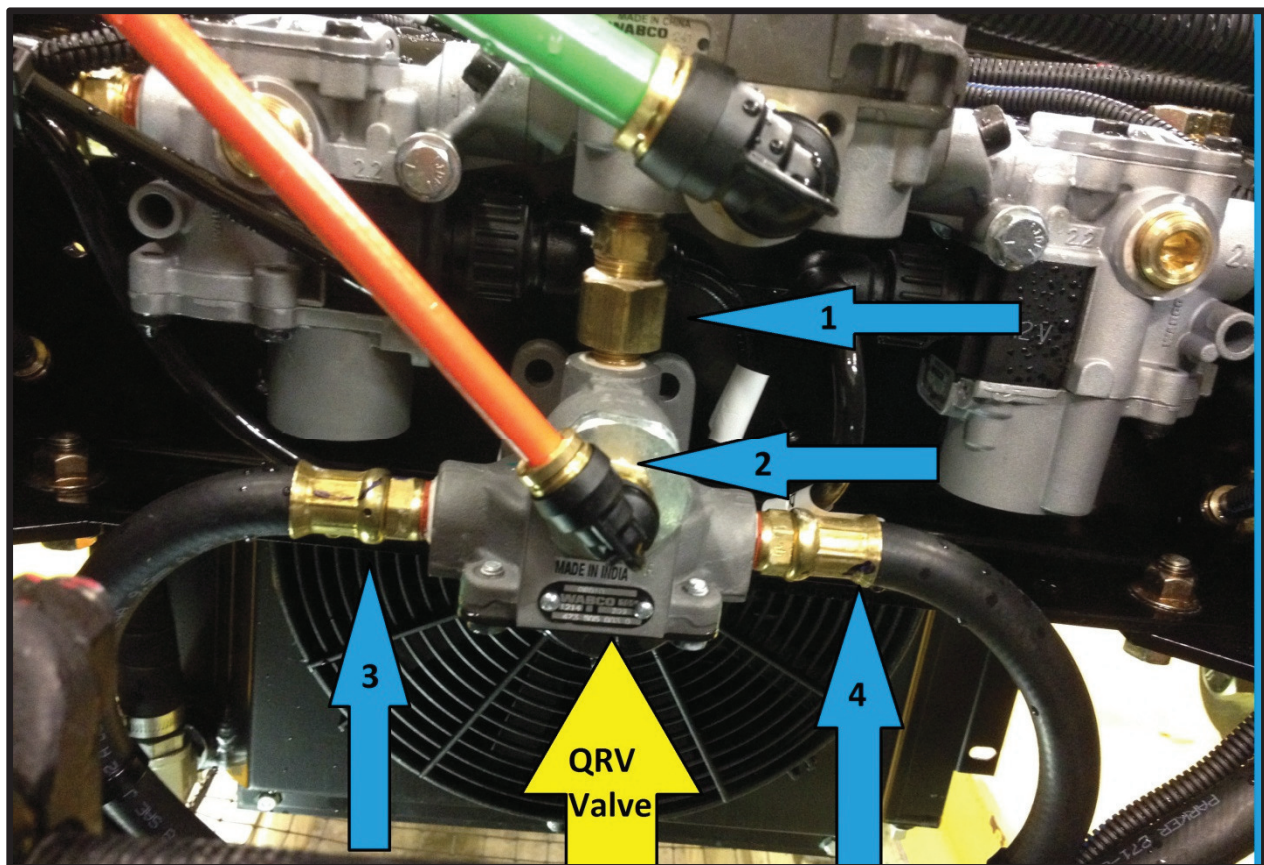


FIG. 3-1