



Spartan Motors Chassis, Inc.

SERVICE BULLETIN

RSB13-560-001A

NHTSA Id: 11V-412

9/12/2013

SUBJECT: Spartan Motors Chassis, Inc. has decided the accuracy of the air gauges for the air brake system are non-compliant to Federal Motor Vehicle Safety Standard (FMVSS) – 121 Air Brake Systems.

Bulletin # RSB13-560-001 is superseded by bulletin RSB13-560-001A due to a clarification of kit description. Any vehicle repaired under bulletin RSB13-560-001 will not require any additional work.

CONDITION: Ametek used incorrect calculation on 4 in 1 gauge with DEF.

APPLIES TO: This bulletin applies to incomplete motor home chassis, modeled as K2, K3, MM, and SU, manufactured between Jan. 28, 2010 and June 28, 2011 and equipped with 4 in 1 gauges with DEF supplied by Ametek.

CORRECTION: Replace gauges

LABOR ALLOCATION: 1.0 hrs.

PARTS NEEDED:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
1	S-2411-001	Kit-2010 4 in 1 gauge with DEF 1654-NN1
1	S-2411-002	Kit-2010 4 in 1 gauge with DEF 1655-NN1
1	S-2411-003	Kit-2010 4 in 1 gauge with DEF 1773-NN1 and 1788-NN1

Kit # S-2411-001 Contains:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
1	00081667	Gauge 5" 4 in 1 gauge with DEF
1	RSB13-560-001	Document Instructions

Kit # S-2411-002 Contains:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
1	00081668	Gauge 5" 4 in 1 gauge with DEF
1	RSB13-560-001	Document Instructions



Kit # S-2411-003 Contains:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
1	00081669	Gauge 5" 4 in 1 gauge with DEF
1	RSB13-560-001	Document Instructions

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.

STEP-BY-STEP INSTRUCTIONS:

NOTE: Disconnect any necessary power source, and secure vehicle for replacing 4 in 1 gauge with DEF.

1. Remove gauge package. Disassemble dash if necessary to gain access to rear of gauge package. Retain all components and hardware for reuse.
2. Disconnect black 6-way connector(s) (there may be 1 or 2 connectors attached, depending on the configuration) from the 4 in 1. Refer to FIG. 2-2.
3. Remove the 2 torx bolts that hold the c-clamp to the 4 in 1 gauge. Retain c-clamp and torx bolts for reuse. Refer to FIG. 2-2.
4. Remove the 4 in 1 gauge. Properly discard gauge. Refer to FIG. 2-1 & 2-2.
5. Install new 4 in 1 gauge. Reuse retained c-clamp and torx bolts, secure as needed.
6. Reconnect black 6-way connector. If applicable reconnect a second connector.
7. Reinstall dash board. Secure as needed.



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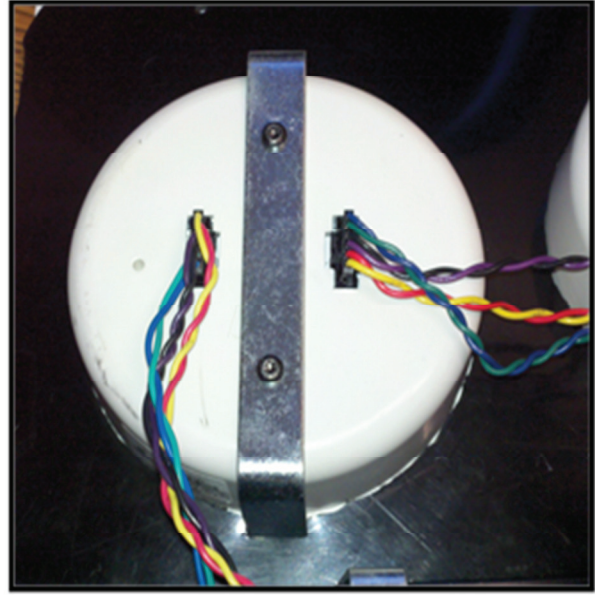
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4 In 1 GAUGE (FRONT)

FIG. 2-1



4 In 1 GAUGE (REAR)

FIG. 2-2