



Recall Service Bulletin



DATE: 9-6-18

APPLIES TO: This Recall service bulletin applies to certain 2018 and 2019 model year K2 model motor home chassis, completed as Entegra Anthem, Aspire, and Insignia model motor homes, built between November 16, 2017 and July 27, 2018.

NHTSA/TC Id: 18V-538

CONDITION: The affected motor home chassis fail to conform to the parking brake requirements identified in Federal Motor Vehicle Safety Standard No. 121 – Air Brake Systems

CORRECTION: Replace Brake Chambers

LABOR ALLOCATION: S-2658-001: 1 Hour, S-2659-001 2 Hours

CLASSIFICATION: E3

PARTS NEEDED:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
1	S-2658-001	Kit-MGM 30/30 Brk Chamb Drive Axle for Anthem
1	S-2659-001	Kit-MGM 30/30 Brk Chamb Drive Axle for Aspire/Insignia

Kit # S-2658-001 (Anthem) Contains:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
2	0703-MM1-001	Chamber-Brake 30/30 3.00" Stroke
2	0716-MM5-BB07	Fit Brss M Elbow 6-6
2	0716-MM5-BB10	Fit Brss M Elbow 8-6
1	0705-MM1	Install – Brake Chamber
1	2609-DD4	Install – Hendrickson HTB
1	SD-05-4630	Bendix Service Data
1	RSB18-340-001	Instruction Document (English)
1	RSB18-340-002	Instruction Document (French)

Service Bulletins are intended for use by Professional Technicians only. They are written to guide Professional Technicians in performing service to vehicles of 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.



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Kit # S-2659-001 (Aspire/Insignia) Contains:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
2	0703-MM1-001	Chamber-Brake 30/30 3.00" Stroke
2	0716-MM5-BB07	Fit Brss M Elbow 6-6
2	0716-MM5-BB10	Fit Brss M Elbow 8-6
1	0705-MM1	Install – Brake Chamber
1	SD-05-4630	Bendix Service Data
1	RSB18-340-001	Instruction Document (English)
1	RSB18-340-002	Instruction Document (French)

GENERAL INSTRUCTIONS:

Thoroughly review entire service bulletin before starting work. If there are questions or concerns with steps defined in this service bulletin, contact Spartan Motors USA, Inc. Customer & Product Support Group at 855-589-9836.

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

STEP-BY-STEP INSTRUCTIONS:

Drive axle brake chamber removal:

1. Chock wheels.
2. Ensure park brake is applied.
3. Cage drive axle park brake chambers.
4. Disconnect drive axle brake chambers air lines.
5. Remove drive axle brake chambers and fittings and properly dispose of.

Drive axle brake chamber Installation:

1. Install new brake chambers.

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2. Torque fasteners per 0705-MM1.
3. Re-connect brake chamber air lines using supplied 90-degree fittings. Orient hoses and fittings as shown in FIG. 3-1.
4. Un-cage brake chambers.
5. Set up and adjust slack adjusters per manufacturer instructions. Refer to Bendix manual SD-05-4630.

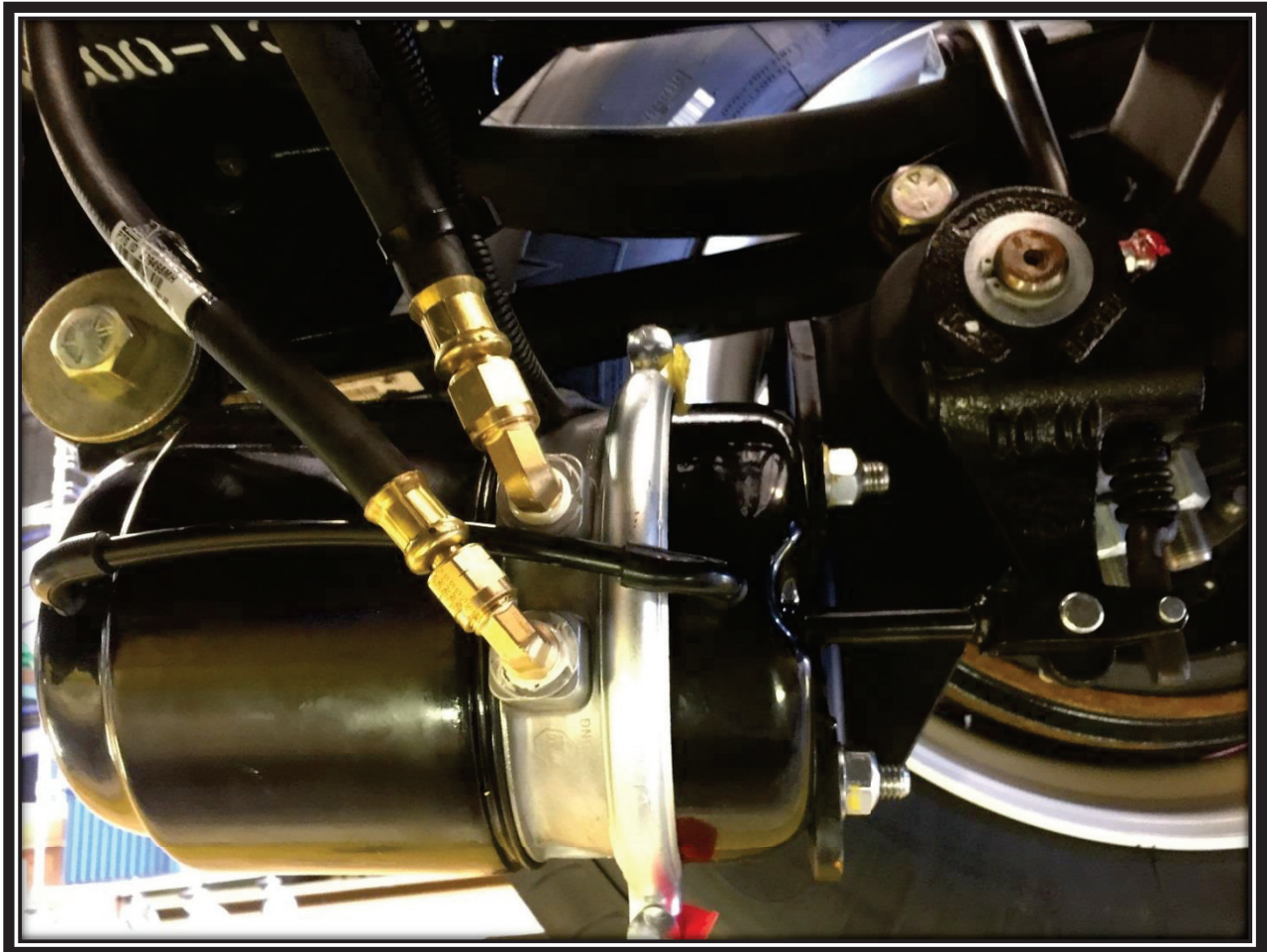


FIG. 3-1

Hydraulic Oil Cooler Re-location (S-2659-001 Aspire/Insignia Only):

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1. Remove hydraulic oil cooler from mounting brackets. Retain fasteners for reuse.
2. Remove passenger side hydraulic oil cooler mount bracket. Retain fasteners for reuse. Refer to FIG. 4-1.

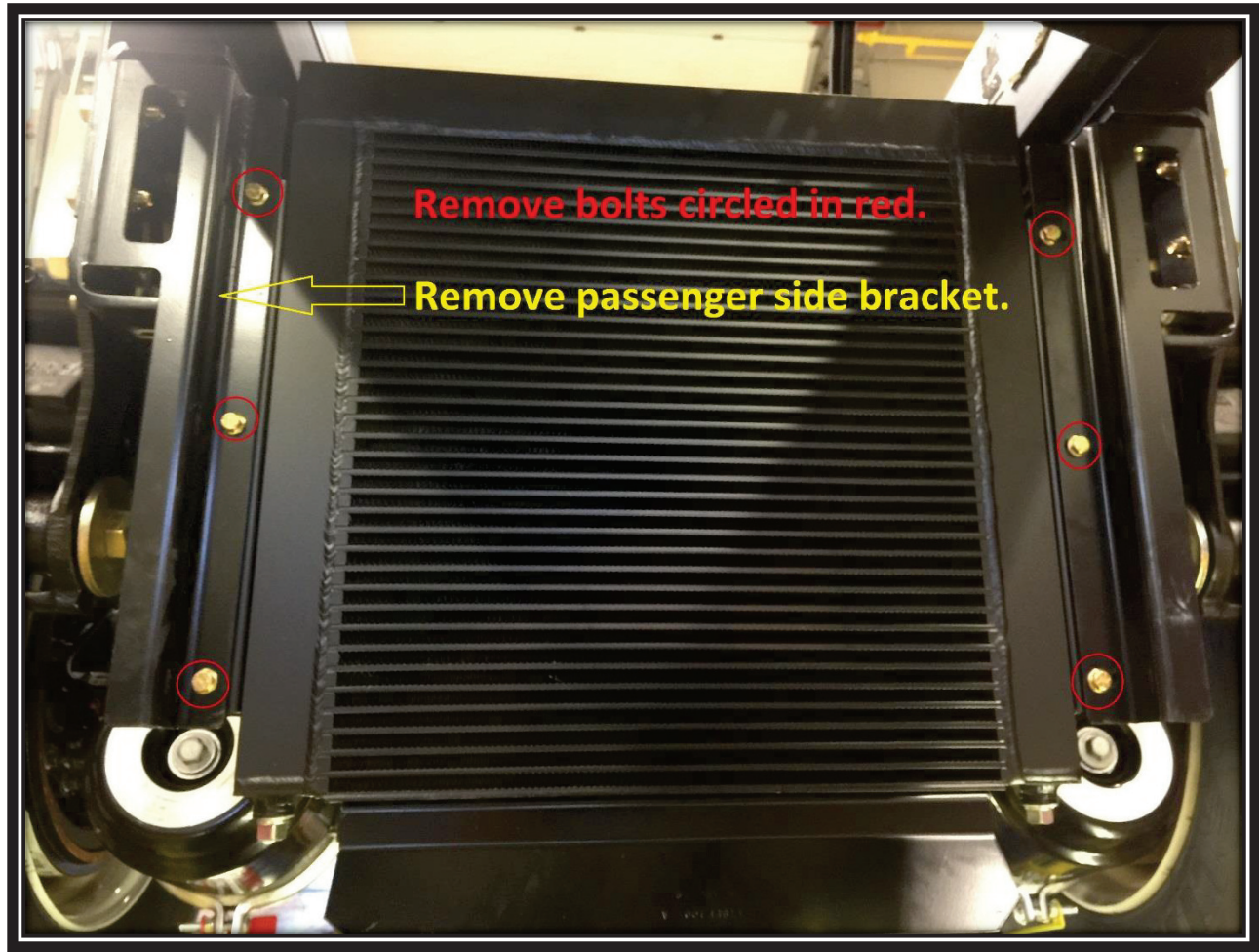


FIG. 4-1

3. Position cooler in front of mounting brackets.
4. Replace passenger side mounting bracket, using retained fasteners.
5. Install hydraulic oil cooler on forward side of mounting bracket, using retained fasteners. Refer to FIG. 5-1

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6. Torque 5/16-18 hydraulic oil cooler mounting fasteners to 17 lbf-ft. 1/2" wrench & socket required.
7. Torque 1/2-13 mounting bracket fasteners to 74 lbf-ft.
8. Torque M20-2.50 mounting bracket fasteners to 315 lbf-ft.

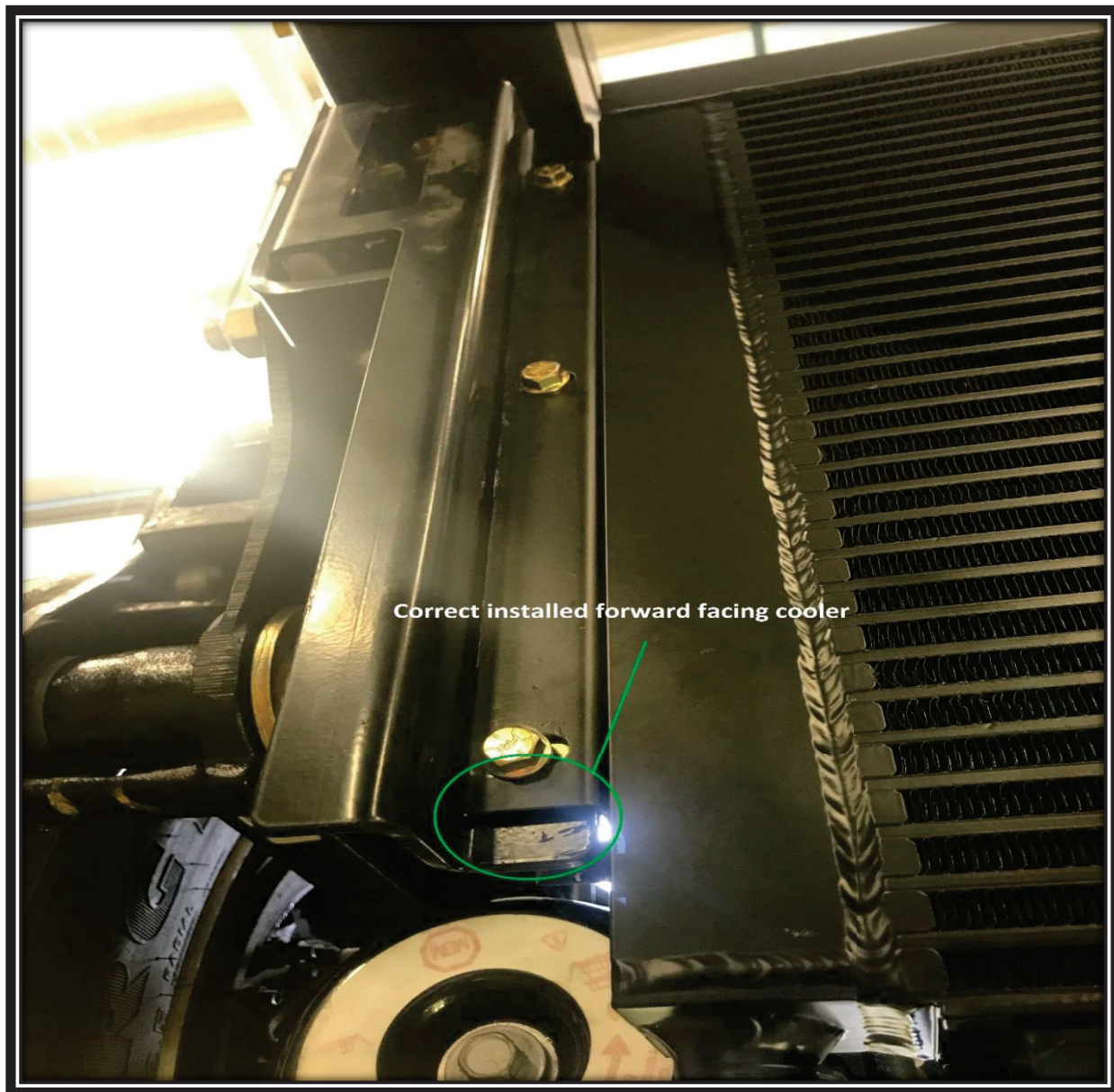


FIG. 5-1

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Inspect Torque Rod Fastener Orientation (S-2658-001 Anthem Only):

1. Check orientation of torque rod mounting fasteners. Bolts pointing forward are incorrect. Refer to FIG. 6-1. for incorrect orientation. If bolt orientation is incorrect, proceed to step 2.

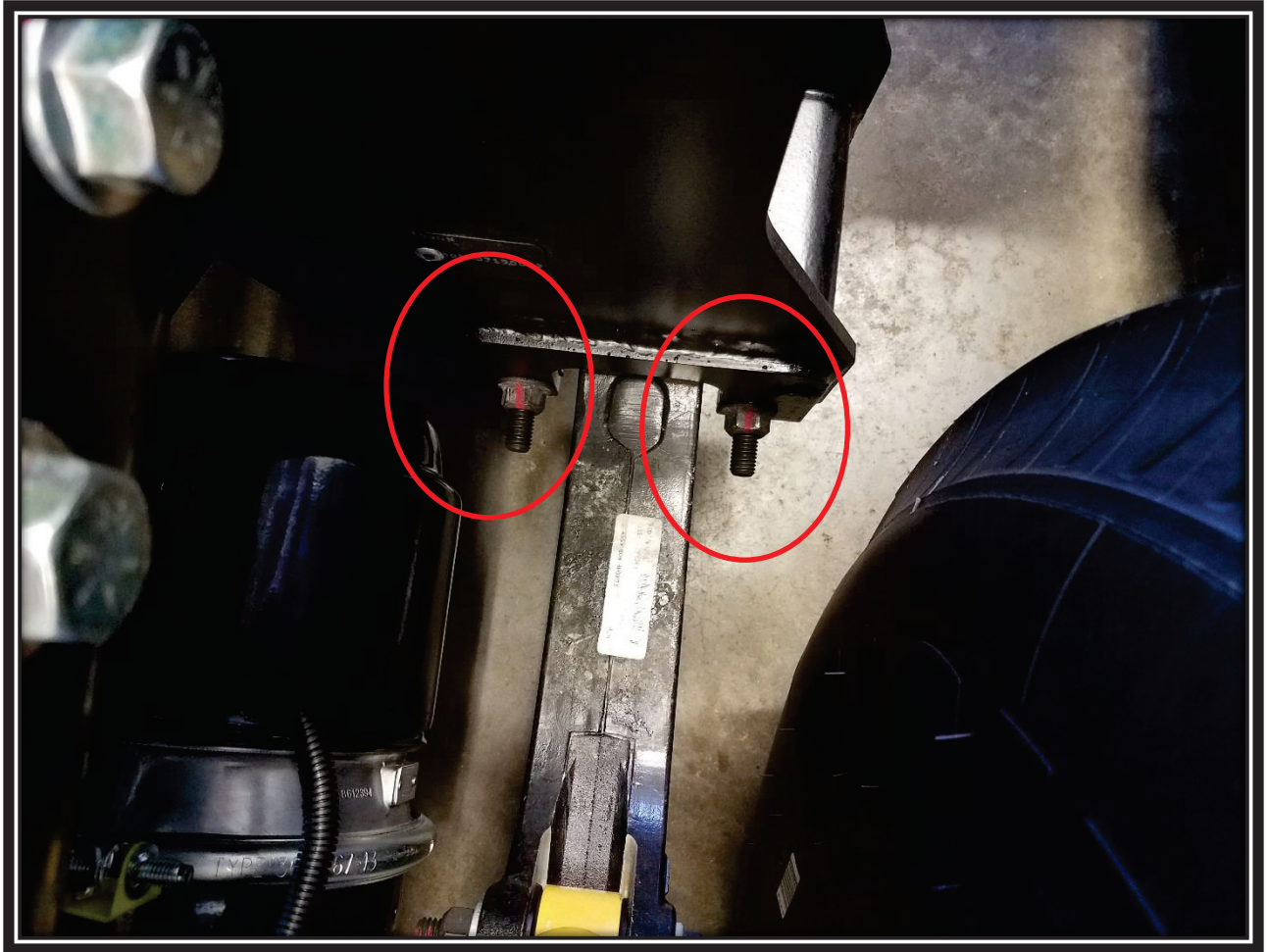


FIG. 6-1

2. Remove and reinstall fastener pointing rearward. Refer to 2609-DD4. Remove only one fastener at a time, and do not disturb alignment shims. Torque nut to 178 lbf-ft.
3. Repeat for other side.

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