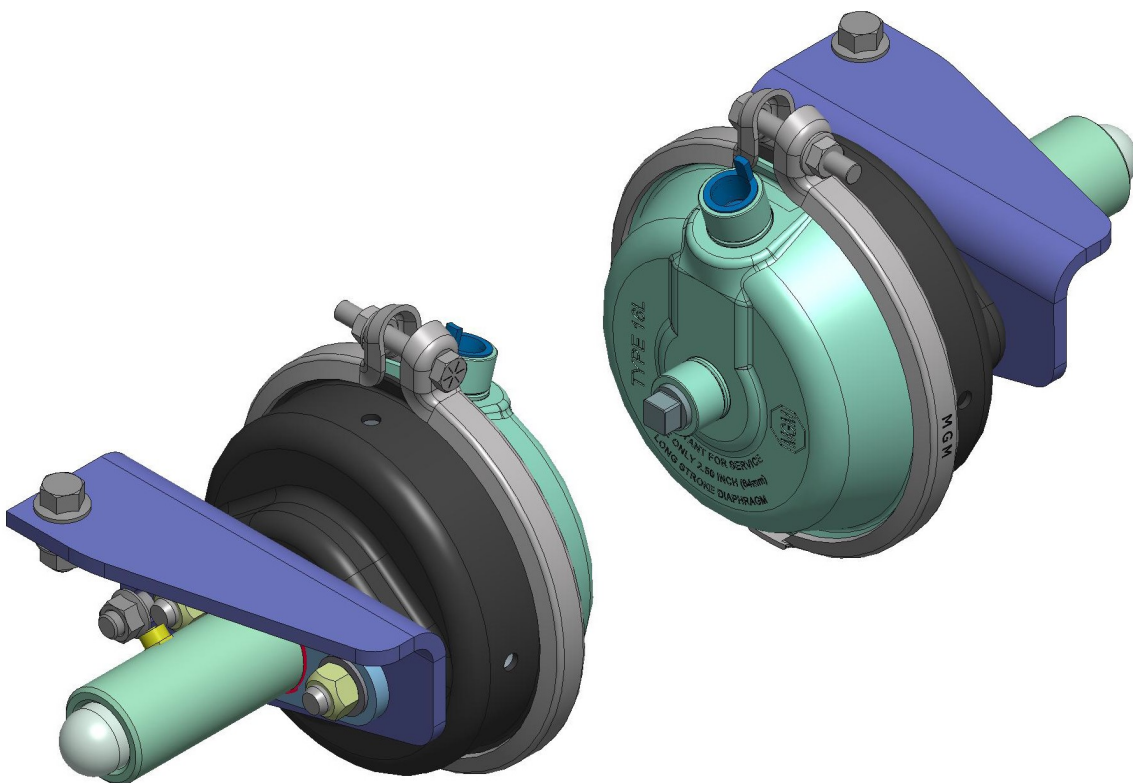




INSTALLATION/OPERATION INSTRUCTIONS

800A0212 REVERSE LOCK KIT FOR 13.5K AUXILIARY SUSPENSION



Link Mfg. Ltd.
223 15th St. N.E.
Sioux Center, IA USA
51250-2120
www.linkmfg.com

**QUESTIONS?
CALL CUSTOMER
SERVICE
1-800-222-6283**

IMPORTANT: IT IS IMPORTANT THAT THE ENTIRE INSTALLATION INSTRUCTIONS BE READ THOROUGHLY BEFORE PROCEEDING WITH THE INSTALLATION.






1. INTRODUCTION

Thank you for choosing a Link Auxiliary Suspension. We want to help you get the best results from this suspension and to operate it safely. This instruction contains information to assist in the installation of the reverse lock assemblies for your Link Auxiliary Suspension. This instruction is intended solely for use with this product.

All information in this instruction is based on the latest information available at the time of printing. Link Manufacturing reserves the right to change its products or manuals at any time without notice.


Damaged components should be returned to Link with a pre-arranged Returned Materials Authorization (RMA) number through the Customer Service Department. The damaged component may then be replaced if in compliance with warranty conditions.

2. SAFETY SYMBOLS, TORQUE SYMBOL, and NOTES

| | |
|--|---|
|  DANGER | DANGER indicates a hazardous situation which if not avoided, will result in death or serious injury. |
|  WARNING | WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury. |
|  CAUTION | CAUTION indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. |
|  NOTICE | NOTICE indicates a potentially hazardous situation which, if not avoided, may result in property damage. |
|  TORQUE | TORQUE indicates named fasteners are to be tightened to a specified torque value. |
| NOTE: | A Note provides information or suggestions that help you correctly perform a task. |

3. SAFE WORKING PRACTICES

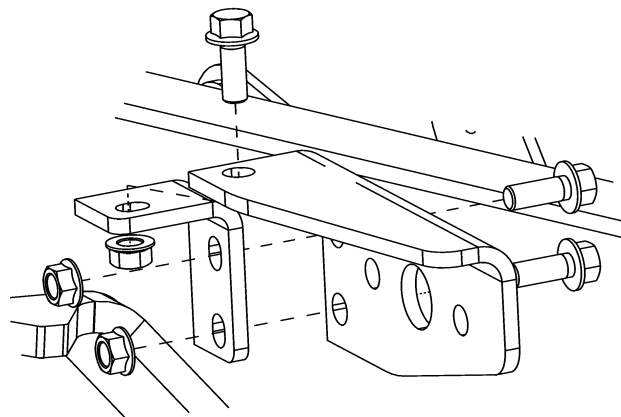
 **CAUTION** When handling parts, wear appropriate gloves, eyeglasses, ear protection, and other safety equipment.

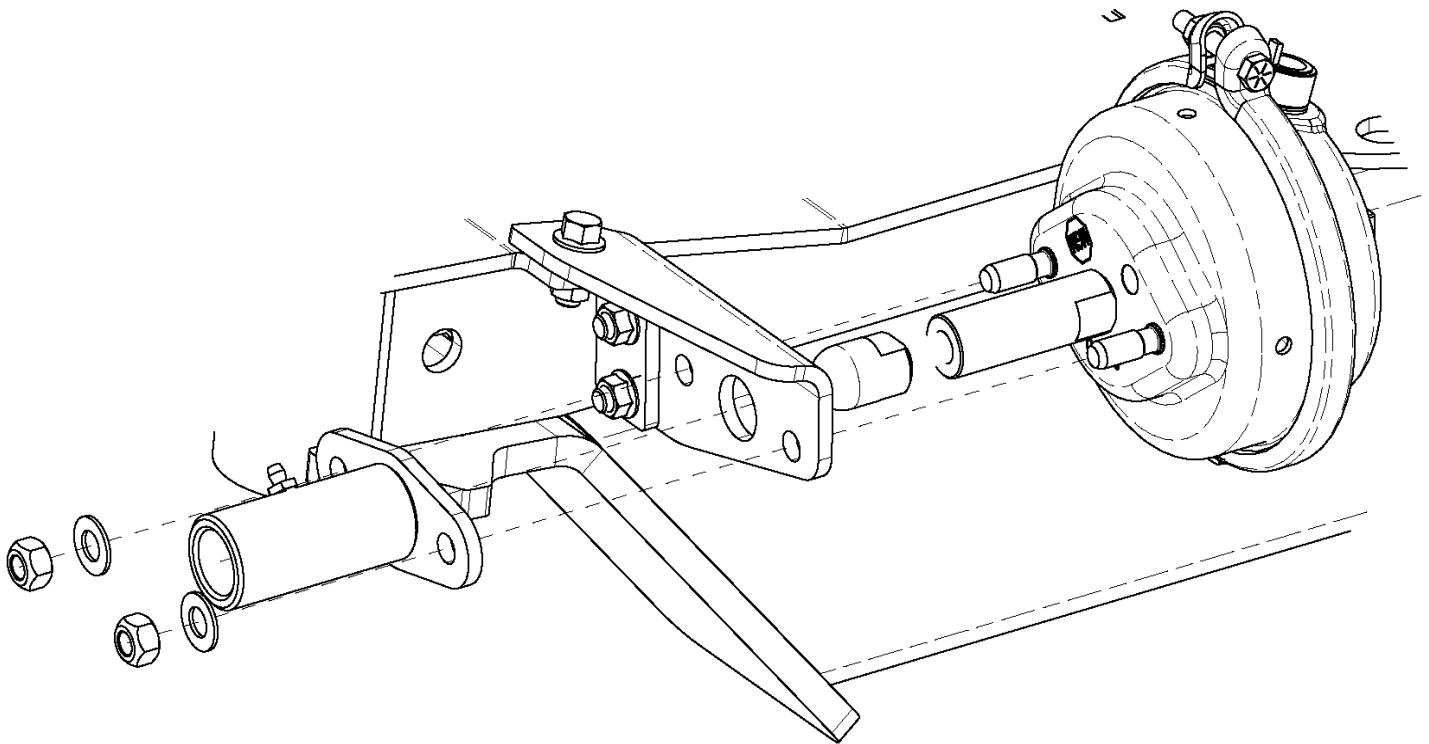
 **CAUTION** Proper tightening of fasteners is important to the performance and safety of the suspension. Follow all torque specifications throughout the instructions.

4. INSTALLATION GUIDELINES

- 4.1 Put the auxiliary suspension in the lowered position and make sure the truck is on level ground with the parking brake set.
- 4.2 Align bolt on bracket with mounting bracket and secure with 3/8 UNC fasteners provided as shown.

 **TORQUE** 3/8 lock nuts to 30-40 FT-LBS.





4. INSTALLATION GUIDELINES continued

4.3 Insert the air chamber assembly into the mounting bracket as shown above.

4.4 Align the stop tube weldment with the grease zerk pointing rearward and secure with 7/16" lock nuts provided.

TORQUE 7/16" lock nuts to 20-30 FT-LBS.

4.5 Insert grease (Multipurpose NLGI 2) into grease zerk until it is barely visible around the Stop Nut of the locking assembly.

4.6 Plumb the air chamber assemblies into the air line circuits as desired.

5. NUT STOP REPLACEMENT

5.1 Remove 7/16" lock nuts and remove brake chamber from reverse lock assembly.

5.2 Remove Stop Nut from end of brake chamber assembly as seen in the figure above.

5.3 Take new stop nut and apply Loc-tite to inner threads.

5.4 Once applied, thread stop nut onto brake chamber assembly until wrench tight.

5.5 To complete reassembly, follow steps 4.5 – 4.5 in the installation guidelines.

6. BRAKE CHAMBER REPLACEMENT

6.1 Remove 7/16" lock nuts and remove brake chamber from reverse lock assembly.

6.2 Unthread Stop Nut and Stop Nut Spacer from brake chamber.

6.3 Once Disassembled, take new brake chamber and rethread stop nut spacer and stop nut back onto brake chamber assembly. Ensure that Loc-tite is applied to threads and tighten until wrench tight.

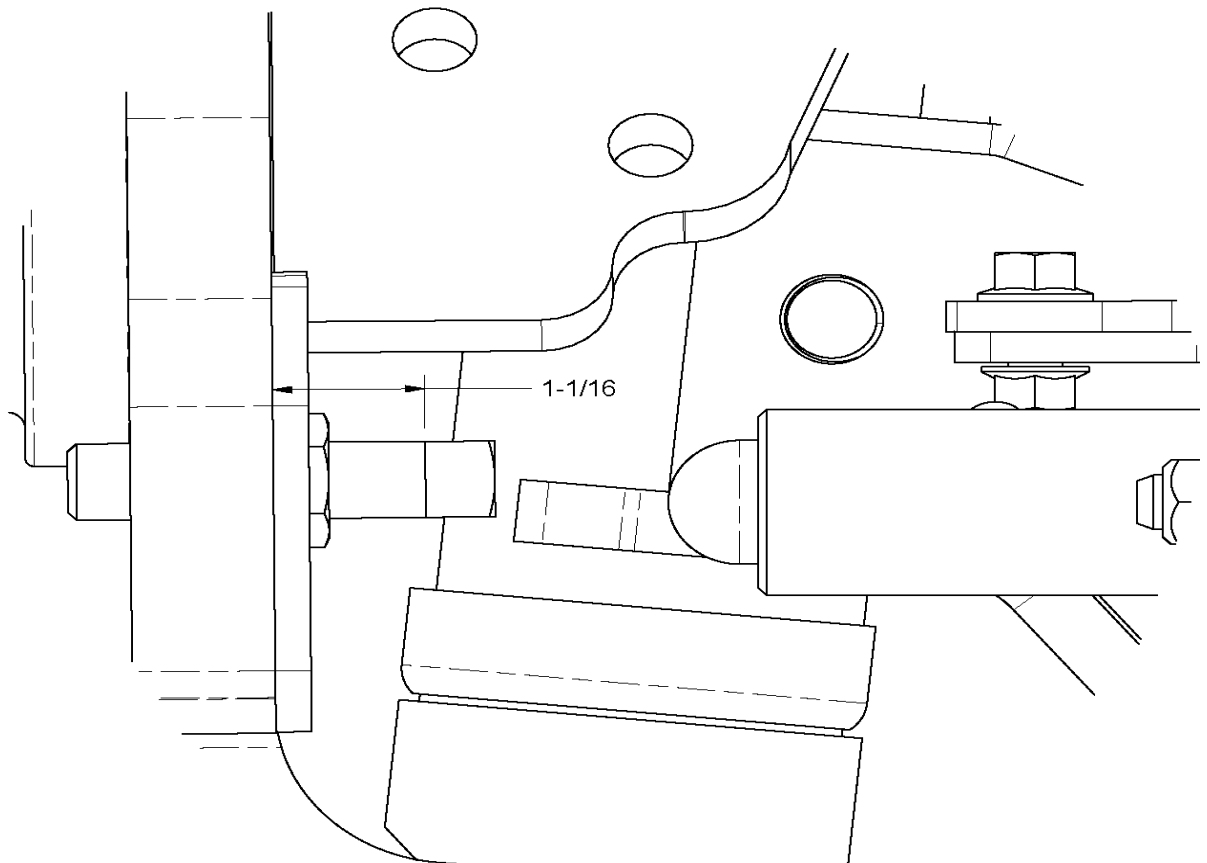
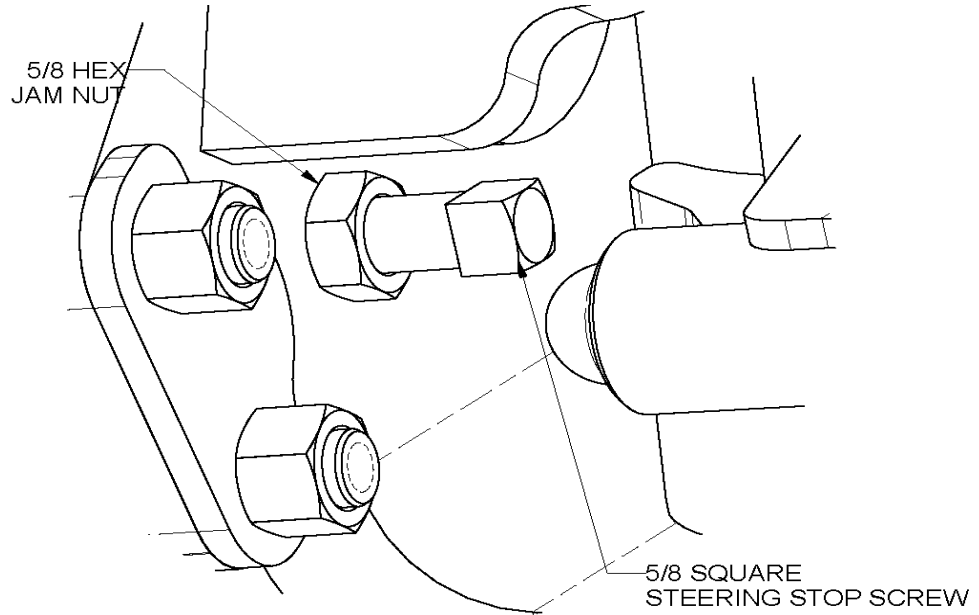
6.4 To complete reassembly, follow steps 4.5 – 4.5 in the installation guidelines.

7. STEERING STOP ADJUSTMENT (DRUM BRAKES ONLY)

7.1 The Steering Stop Screw is preset for maximum steer angle available without bottoming the steering shock absorber. To avoid contact during normal steering of the suspension with the newly installed Reverse Lock assemblies, loosen the 5/8" Jam Nut and turn out the Steering Stop Screw approximately 1/8". Set to a minimum distance of 15/16". Refer to pictures on page 4.

7.2 After adjustment, tighten 5/8" Jam Nut.

TORQUE 5/8" Jam Nut to 45-60 FT-LBS.



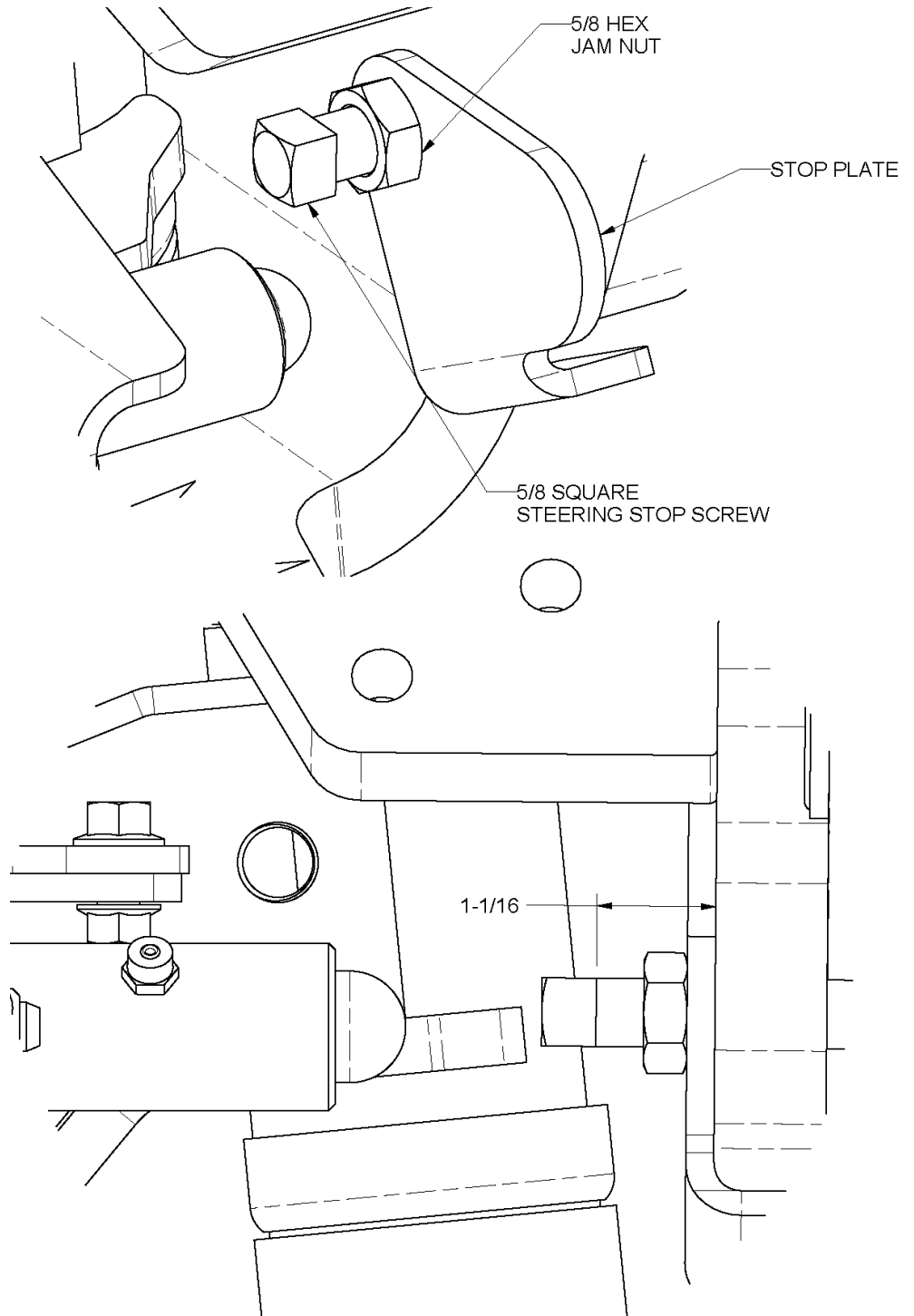
8. STEERING STOP ADJUSTMENT AND STOP PLATE ASSEMBLY (AIR DISK BRAKES ONLY)

8.1 The Steering Stop Screw is preset for maximum steer angle available without bottoming the steering shock absorber. To avoid contact during normal steering of the suspension with the newly installed Reverse Lock assemblies, Remove the 5/8" Jam Nut and the Steering Stop Screw and reassemble with the Steering Stop Plate under the 5/8" Jam Nut. Set to a minimum distance of 1 - 1/16". Refer to pictures on page 5.

8.2 After adjustment, tighten 5/8" Jam Nut.

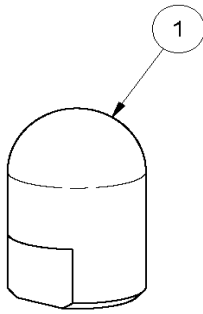
TORQUE 5/8" Jam Nut to 45-60 FT-LBS.

8.4 Repeat all these steps on the opposite end of the axle.



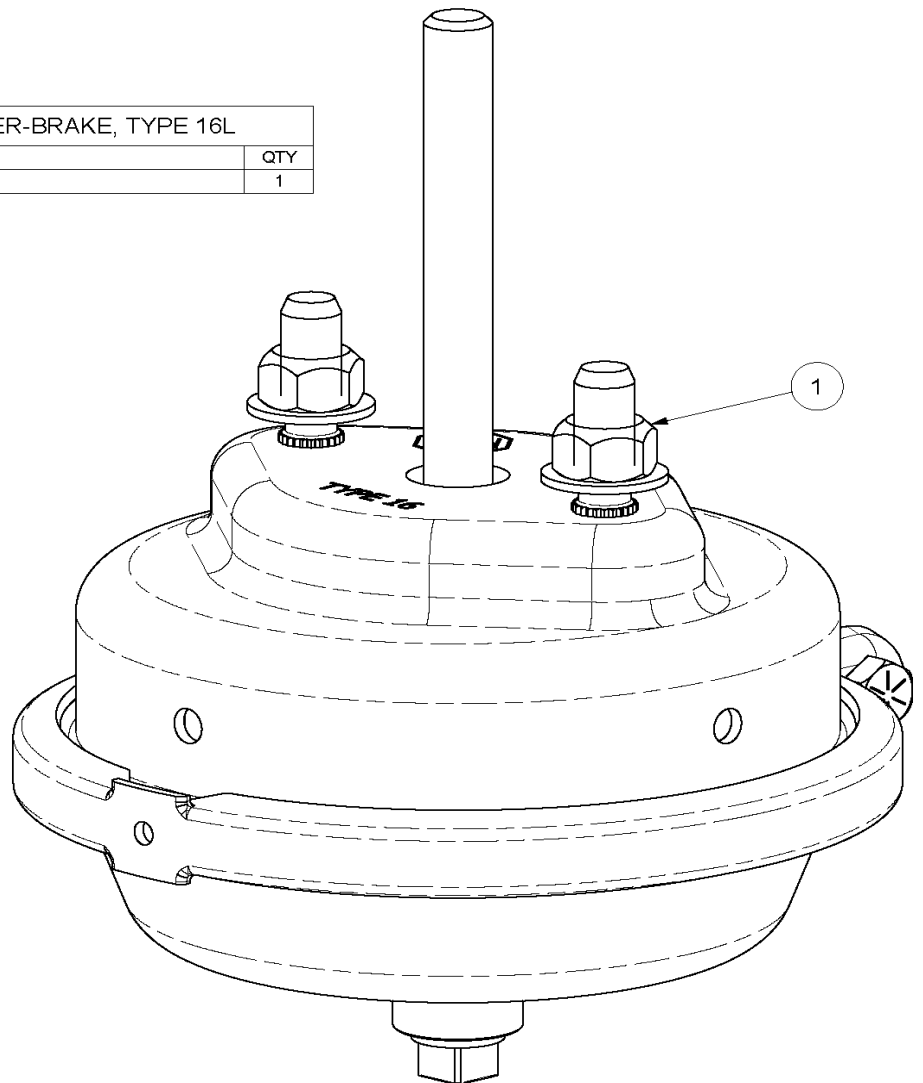
9. OPERATION

9.1 Engage the Reverse Lock when the wheels of the Auxiliary Suspension are straight. The Reverse Lock will hold the wheels straight when backing up, but may not force the wheels straight if the lock is engaged with the wheels turned under loaded conditions.



| 4AS00136 - SERVICE KIT - NUT-PUSHER, STEERING LOCK | | |
|--|---------------------------|-----|
| ITEM | DESCRIPTION | QTY |
| 1 | NUT-PUSHER, STEERING LOCK | 1 |

| 4AS00137 - SERVICE KIT - CHAMBER-BRAKE, TYPE 16L | | |
|--|-------------------------|-----|
| ITEM | DESCRIPTION | QTY |
| 1 | CHAMBER-BRAKE, TYPE 16L | 1 |



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