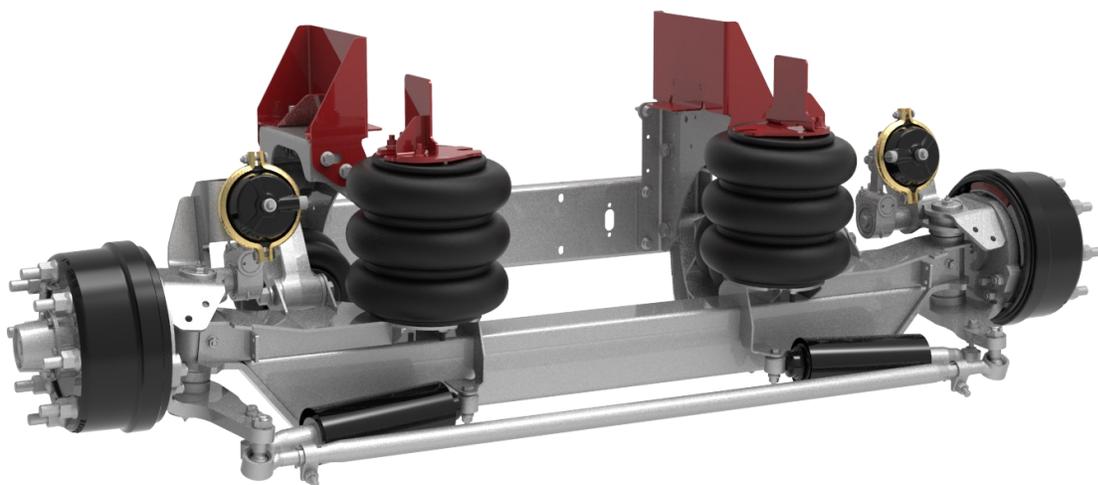


**LINK** Auxiliary Suspensions

# OWNER'S GUIDE

## 10K Auxiliary Suspension 10,000 LBS. CAPACITY



**DEALER / INSTALLER:** Complete this section and give to vehicle owner.

**Serial No:** \_\_\_\_\_

**Part No:** \_\_\_\_\_

**Capacity:** \_\_\_\_\_ **10,000 lbs.** \_\_\_\_\_

**Date Installed:** \_\_\_\_\_

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**

Refer to separate Installation Instructions for installation details.

80003564  
JUN 14, 2023

## Table of Contents

1. Introduction
2. Axle Identification
3. Safety Warnings
4. Operation
5. Periodic Maintenance
6. Lubrication Points
7. Troubleshooting
8. Warranty
9. Service Parts and Service Kits
10. References

**IMPORTANT:** PLEASE READ THIS ENTIRE MANUAL BEFORE OPERATING YOUR NEW LINK 10K AUXILIARY SUSPENSION AND KEEP IT FOR FUTURE REFERENCE.

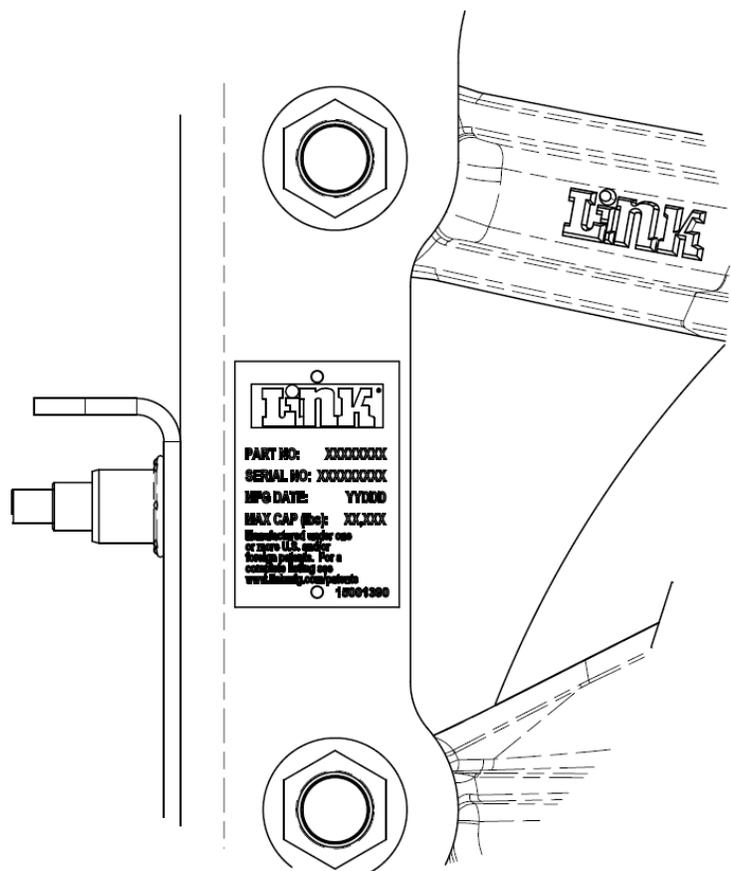
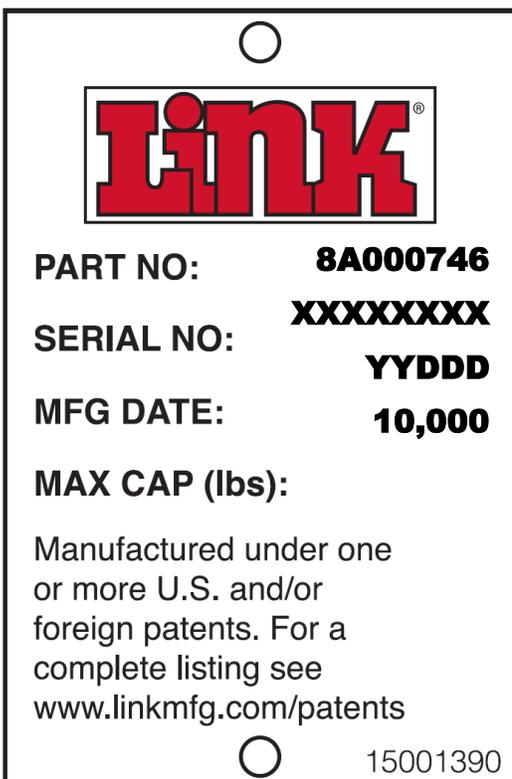
### 1. INTRODUCTION:

Thank you for choosing a Link Auxiliary Suspension. We want to help you to get the best results from the suspension and to operate it safely. This manual contains information to introduce you to the Link 10K Auxiliary Suspension and to assist you with its operation and maintenance. This manual is intended solely for use with this product.

All information in this manual 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. Contact Link at (800) 222-6283 or visit [www.linkmfg.com](http://www.linkmfg.com) for information on recent changes to products.

### 2. AXLE IDENTIFICATION

The axle identification label is located on the **driver's side** of the suspension as shown below. The label contains the suspension part number and a unique serial number.



### 3. SAFETY WARNINGS

#### ⚠ CAUTION

Do not lower your auxiliary axle when traveling at speeds greater than 15 mph as component damage could result.

#### ⚠ CAUTION

Do not exceed 20 psi in the auxiliary axle's ride springs when the vehicle is unloaded. Failure to heed this warning can result in improper weight distribution or component damage.

#### ⚠ CAUTION

Do not exceed **10,000 lbs** on the auxiliary axle suspension. Failure to heed this warning can result in improper weight distribution or component damage.

### 4. OPERATION

#### 4.1 Raising Your Lift Axle

4.1.1 To raise the axle, move the toggle switch to the "Raise" position.

#### 4.2 Lowering Your Lift Axle

4.2.1 To lower the axle, move the toggle switch to the "Lower" position.

#### ⚠ CAUTION

Do not lower your auxiliary axle when traveling at speeds greater than 15 mph as component damage could result.

4.2.2 Use the regulator to adjust the air pressure on the gauge to the appropriate air pressure for the vehicle load conditions. Refer to chart below for recommended pressures.

| 10K AIR PRESSURE AXLE LOAD CHART                           |     |  |                       |     |
|--|-----|--|-----------------------|-----|
| (For reference only. Use scale to determine actual loads.) |     |  |                       |     |
| LOAD IN LBS AT GROUND                                      | PSI |  | LOAD IN LBS AT GROUND | PSI |
| 4000   | 28  |  | 7000                  | 55  |
| 5000   | 37  |  | 8000                  | 64  |
| 6000   | 46  |  | 9000                  | 73  |
|  |     |  | 10000                 | 79  |

#### ⚠ CAUTION

Do not exceed 20 psi in the auxiliary axle's ride springs when the vehicle is unloaded. Failure to heed this warning can result in improper weight distribution or component damage.

#### ⚠ CAUTION

Do not exceed **10,000 LBS** on the auxiliary axle suspension. Failure to heed this warning can result in improper weight distribution or component damage.

## 5. PERIODIC MAINTENANCE

|   |  |
|---|--|
| <b>Daily</b>                                      | <ul style="list-style-type: none"> <li><input type="checkbox"/> Check controls and ensure proper operation.</li> <li><input type="checkbox"/> Check for tire inflation, damage, or excessive wear.</li> <li><input type="checkbox"/> Check brakes for damage and ensure proper operation.</li> <li><input type="checkbox"/> Check axle assemblies for damage or loose components.</li> <li><input type="checkbox"/> Check lift springs and load springs for damage or leaks.</li> <li><input type="checkbox"/> Check for bent, cracked, or broken main structural components.</li> <li><input type="checkbox"/> Inspect bushings for missing, torn, cracked or excessive gapping.</li> <li><input type="checkbox"/> Inspect wheel ends for leaking seals or other damage.</li> <li><input type="checkbox"/> Check for signs of irregular movement in suspension components.</li> <li><input type="checkbox"/> Check for loose, missing, or damaged fasteners.</li> </ul> |
| <b>After first month or 1,000 miles</b>           | <ul style="list-style-type: none"> <li><input type="checkbox"/> Retorque all fasteners listed in Torque Table 1.</li> <li><input type="checkbox"/> Check for loose suspension fasteners (Tighten to values given in Torque Table 2 if required).</li> <li><input type="checkbox"/> Verify all grease points are properly lubricated (Multipurpose NLGI 2).</li> </ul>  |
| <b>Every month or 1,000 miles of use</b>          | <ul style="list-style-type: none"> <li><input type="checkbox"/> Check wheel bearing oil level and inspect wheels for leaks (SAE 80W-90 Mineral Based Gear Lube).</li> <li><input type="checkbox"/> Check suspension for debris rubbing air springs.</li> <li><input type="checkbox"/> Check for worn steering stabilizer shocks.</li> </ul>  |
| <b>Every three months or 2,500 miles of use</b>   | <ul style="list-style-type: none"> <li><input type="checkbox"/> Grease camshaft bushings (Multipurpose NLGI 2).</li> <li><input type="checkbox"/> Check for worn suspension bushings.</li> <li><input type="checkbox"/> Check for loose suspension fasteners (Tighten to values given in Torque Table 1 and 2 if required).</li> <li><input type="checkbox"/> Check brake lining wear and replace any cracked, broken or oil soaked linings.</li> <li><input type="checkbox"/> Inspect brake drums for heat checks, grooves, hot spots, glazing, cracks and out of round and replace if necessary.</li> <li><input type="checkbox"/> Inspect wheel ends for excessive play.</li> </ul>   |
| <b>Every twelve months or 10,000 miles of use</b> | <ul style="list-style-type: none"> <li><input type="checkbox"/> Grease slack adjusters (Multipurpose NLGI 2).</li> <li><input type="checkbox"/> Replace wheel bearings lubricating oil (SAE 80W-90 Mineral Based Gear Lube).</li> <li><input type="checkbox"/> Check brake chambers and slack adjusters for proper function and excessive wear.</li> <li><input type="checkbox"/> Inspect brake rollers, roller shafts, anchor pins and bushings for excessive wear and replace if necessary.</li> <li><input type="checkbox"/> Check shoes for bent shoe ribs, cracks in shoe table welds and elongated rivet holes and replace if necessary.</li> <li><input type="checkbox"/> Inspect suspension air controls for proper function and leaks.</li> </ul>   |

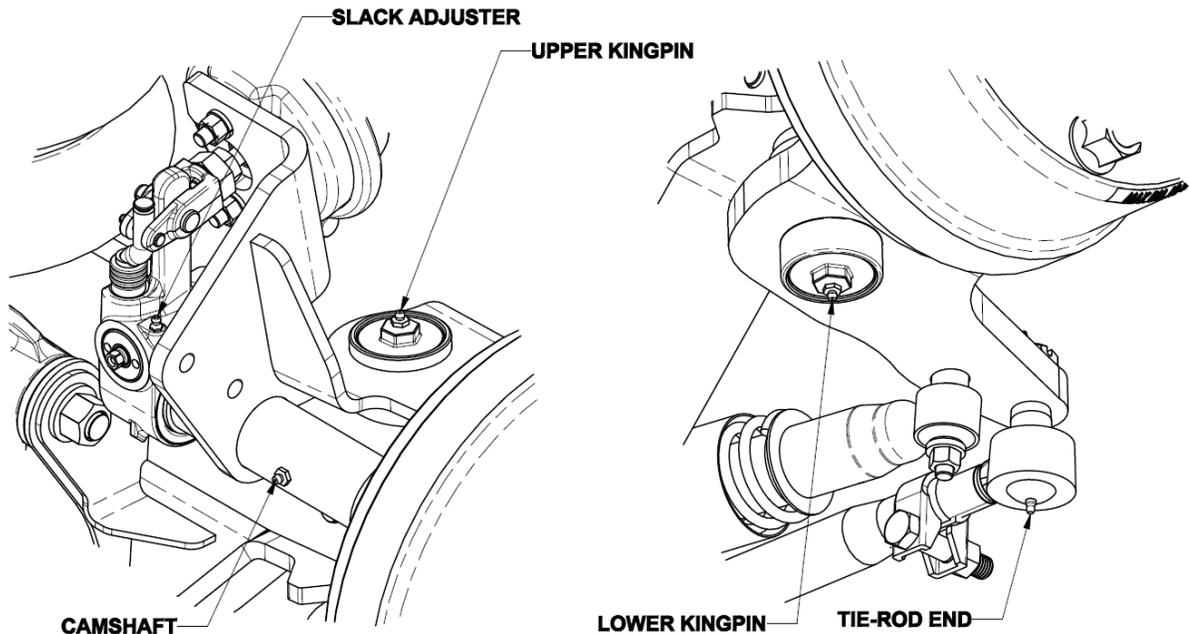
**TORQUE TABLE 1**

|  |                |            |
|--|----------------|------------|
| SUSPENSION TO FRAME BRACKET FASTENERS (12X)..... | M16 X 2.0..... | 220 FT-LBS |
| SUSPENSION PIVOT FASTENERS (8X).....             | M20 X 2.5..... | 350 FT-LBS |

**TORQUE TABLE 2**

|   |                 |            |
|---|-----------------|------------|
| BRAKE CHAMBER MOUNT STUDS .....                   | 7/16 UNC.....   | 55 FT-LBS  |
| KINGPIN DRAW KEY NUT .....                        | 7/16 UNC.....   | 40 FT-LBS  |
| TIE ROD CLAMP FASTENERS .....                     | 5/8 UNC.....    | 55 FT-LBS  |
| TIE ROD CASTLE NUT .....                          | 7/8 UNF.....    | 140 FT-LBS |
| THEN TIGHTEN FURTHER UNTIL COTTER PIN HOLE ALIGNS |                 |            |
| STEERING STABILIZER BOLTS.....                    | M12 X 1.75..... | 85 FT-LBS  |
| LIFT SPRING COMBO STUD .....                      | M20 X 1.5.....  | 45 FT-LBS  |
| LIFT SPRING STUD .....                            | M12 X 1.75..... | 25 FT-LBS  |
| LOAD SPRING LOWER STUDS.....                      | M12 X 1.75..... | 25 FT-LBS  |
| LOAD SPRING UPPER BOLT .....                      | M10 X 1.50..... | 25 FT-LBS  |
| HUB CAP FASTENERS.....                            | 5/16 UNC.....   | 15 FT-LBS  |
| BRAKE ANCHOR BOLTS (4X).....                      | M16 X 2.0.....  | 220 FT-LBS |

## 6. LUBRICATION POINTS



## 7. TROUBLESHOOTING GUIDE

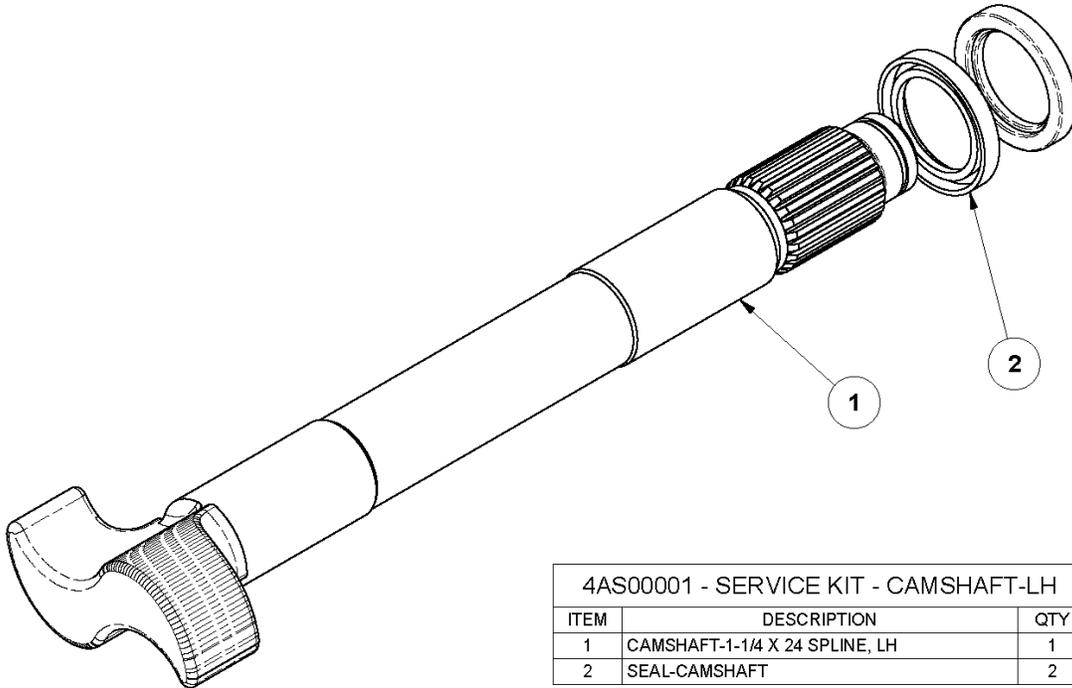
| TROUBLE                               | PROBABLE CAUSE                                  | REMEDY  |
|---------------------------------------|---|---|
| Axle will not stay up                 | Loose Air Fittings                              | Check and retighten.  |
|                                       | Damaged Air Lines                               | Check for excessive wear. Replace if worn or damaged.   |
|                                       | Damaged or Worn Air Springs                     |   |
| Punctured Load Air Springs            | Other Components too close to Air Spring        | Check for clearance all around air spring under full load and deflated. Move anything coming in contact with air springs. |
| Loose Convolution Ribs                | Under Extended Air Springs—Improper ride height | Check for proper ride height. A) Use smaller tires.   |
| Air Spring Separation at End Plates   | Over Extended Air Springs—Improper ride height  | Check for proper ride height. A) Use bigger tires. B) Lower suspension.   |
| Lift Air Spring Wear or Broken Bumper | Over Extended Load Springs—Crushes lift bag     | Check for proper ride height. A) Use bigger tires B) Lower suspension.  |

8. **WARRANTY** - Refer to our warranty for Link Auxiliary Suspensions by going to our website at [www.linkmfg.com](http://www.linkmfg.com)

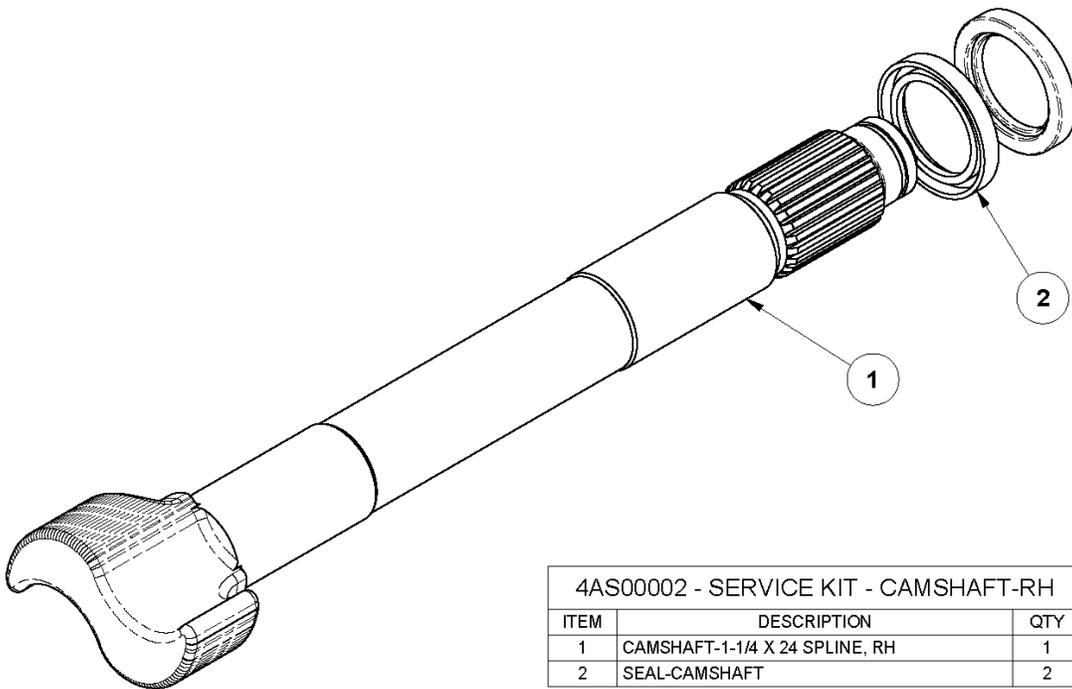
## 9. SERVICE PARTS AND SERVICE KITS

| SERVICE ITEMS FOR 10K AUXILIARY SUSPENSION |   |
|--|---|
| ITEM NUMBER                                | DESCRIPTION                                 |
| 4AS00001                                   | SERVICE KIT - CAMSHAFT-LH                   |
| 4AS00002                                   | SERVICE KIT - CAMSHAFT-RH                   |
| 4AS00003                                   | SERVICE KIT - CHAMBER-BRAKE                 |
| 4AS00004                                   | SERVICE KIT - ASSEMBLY-ROD, TIE             |
| 4AS00005                                   | SERVICE ASSEMBLY - HANGER                   |
| 4AS00006                                   | SERVICE ASSEMBLY - AXLE-FABRICATED          |
| 4AS00007                                   | SERVICE ASSEMBLY - KNUCKLE-MACHINED-LH      |
| 4AS00008                                   | SERVICE ASSEMBLY - KNUCKLE-MACHINED-RH      |
| 4AS00009                                   | SERVICE KIT - TIE ROD END (LH THREAD)       |
| 4AS00010                                   | SERVICE KIT - TIE ROD END (RH THREAD)       |
| 4AS00011                                   | SERVICE KIT - ASSEMBLY TUBE-TIE ROD         |
| 4AS00012                                   | SERVICE KIT - COMPLETE BUSHING              |
| 4AS00013                                   | SERVICE KIT - UPPER ARM-LH                  |
| 4AS00014                                   | SERVICE KIT - UPPER ARM-RH                  |
| 4AS00015                                   | SERVICE KIT - LOWER ARM-LH                  |
| 4AS00016                                   | SERVICE KIT - LOWER ARM-RH                  |
| 4AS00017                                   | SERVICE KIT - COMPLETE KINGPIN              |
| 4AS00018                                   | SERVICE KIT - DRUM                          |
| 4AS00019                                   | SERVICE KIT - COMPLETE CAM BUSHING AND SEAL |
| 4AS00020                                   | SERVICE KIT - COMPLETE BRAKE                |
| 4AS00021                                   | SERVICE KIT - SLACK ADJUSTER                |
| 4AS00022                                   | SERVICE KIT - STEERING STOP BOLT            |
| 4AS00023                                   | SERVICE KIT - COMPLETE STEERING STABILIZER  |
| 4AS00027                                   | SERVICE KIT - HUB PILOTED HUB               |
| 4AS00028                                   | SERVICE KIT - BEARINGS AND SEALS            |
| 4AS00029                                   | SERVICE KIT - HUB CAP ASSEMBLY              |
| 4AS00032                                   | SERVICE KIT - LIFT SPRING                   |
| 4AS00033                                   | SERVICE KIT - LOAD SPRING                   |
| 4AS00034                                   | SERVICE KIT - NUT-ZIP-TORQ. 1.50-12         |
| 4AS00049                                   | SERVICE KIT - WHEEL NUT                     |

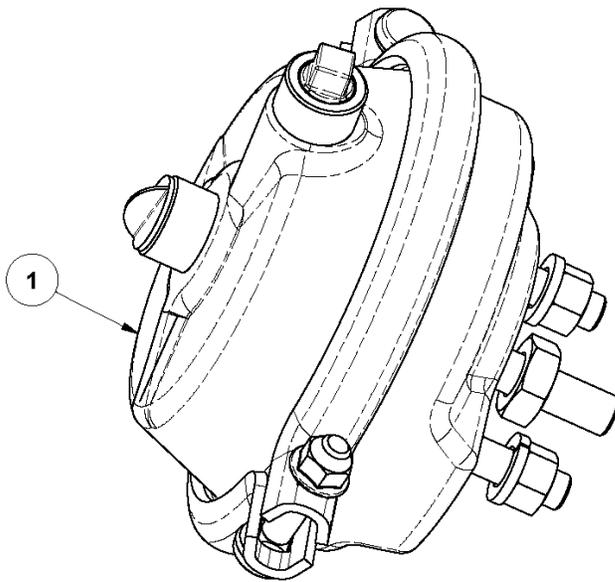
Kits and Parts listed above are shown on the following pages.



| 4AS00001 - SERVICE KIT - CAMSHAFT-LH |                                |     |
|--------------------------------------|--------------------------------|-----|
| ITEM                                 | DESCRIPTION                    | QTY |
| 1                                    | CAMSHAFT-1-1/4 X 24 SPLINE, LH | 1   |
| 2                                    | SEAL-CAMSHAFT                  | 2   |

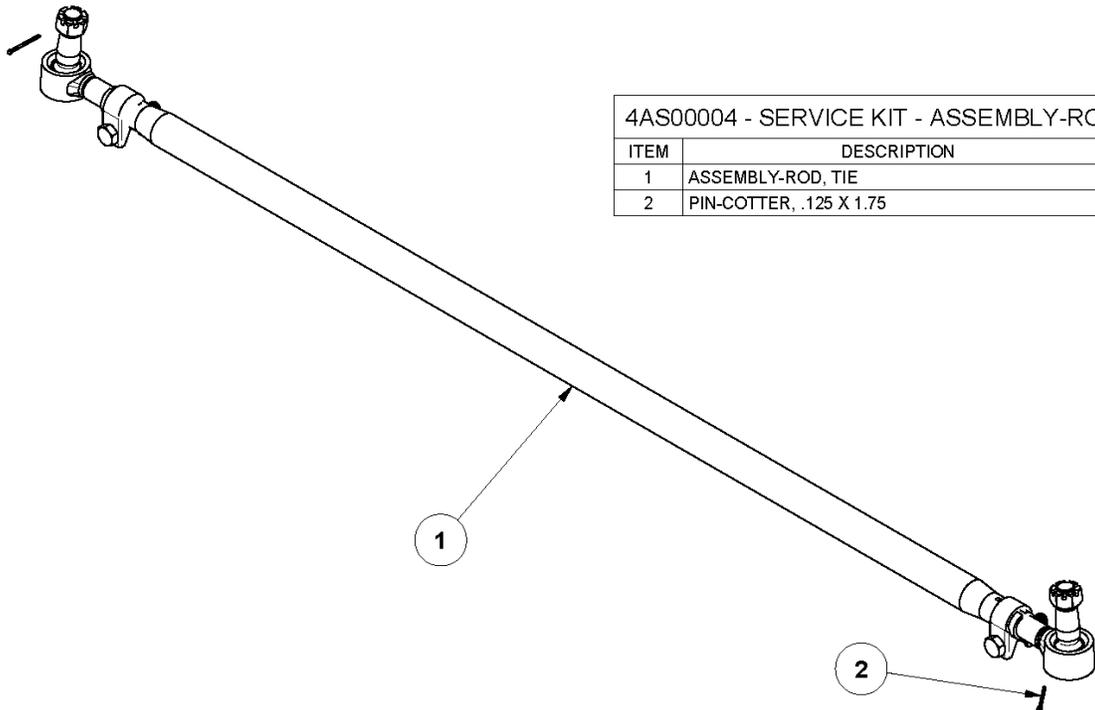


| 4AS00002 - SERVICE KIT - CAMSHAFT-RH |                                |     |
|--------------------------------------|--------------------------------|-----|
| ITEM                                 | DESCRIPTION                    | QTY |
| 1                                    | CAMSHAFT-1-1/4 X 24 SPLINE, RH | 1   |
| 2                                    | SEAL-CAMSHAFT                  | 2   |



4AS00003 - SERVICE KIT - CHAMBER-BRAKE

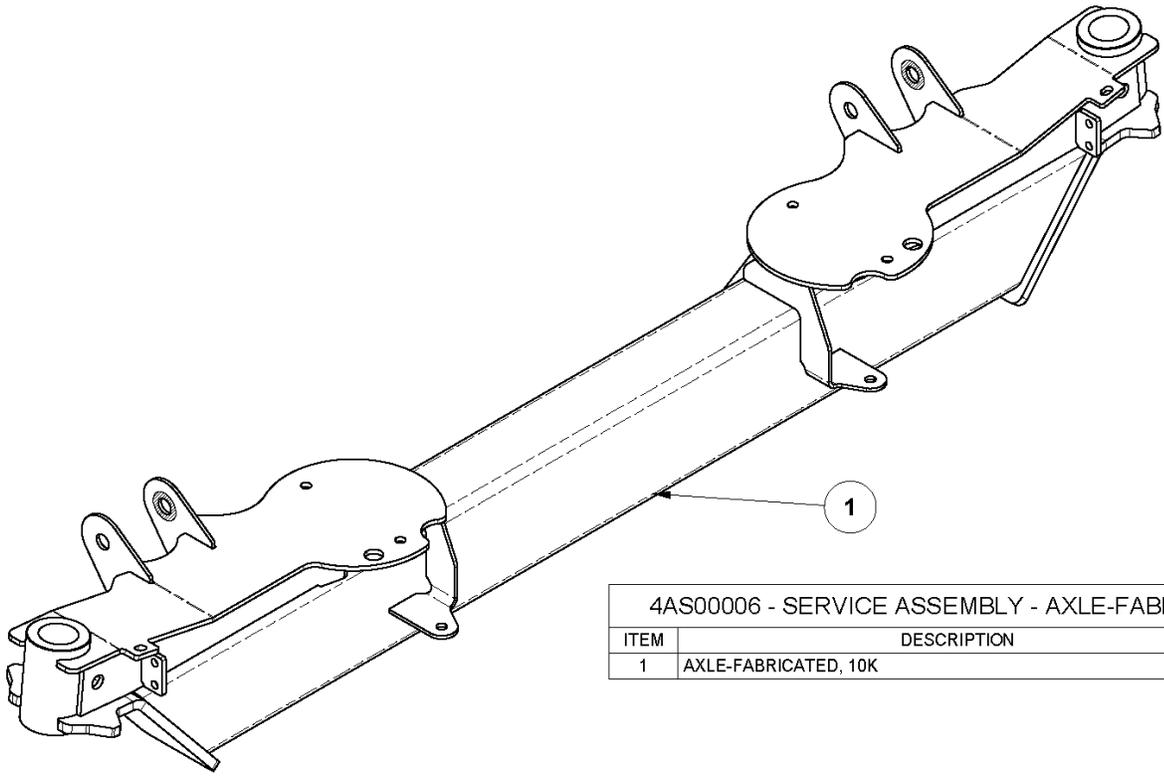
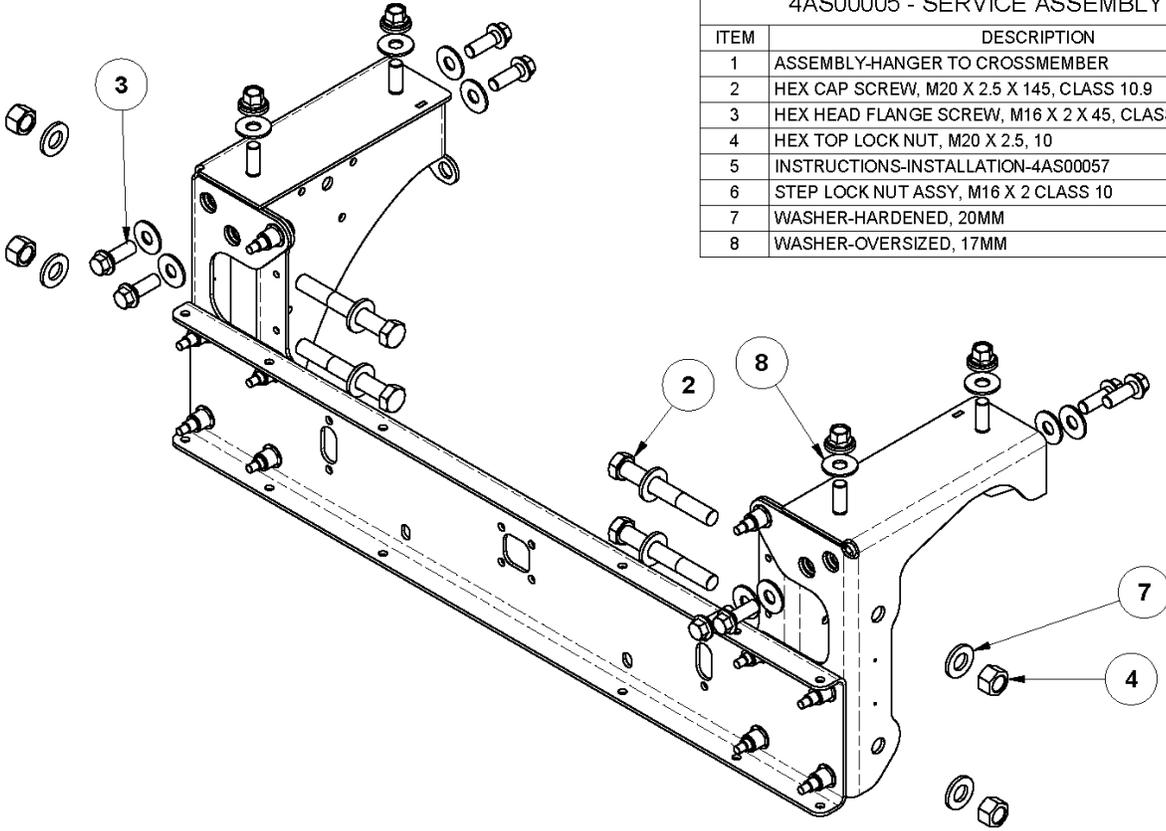
| ITEM | DESCRIPTION            | QTY |
|------|------------------------|-----|
| 1    | CHAMBER-BRAKE, TYPE 16 | 1   |



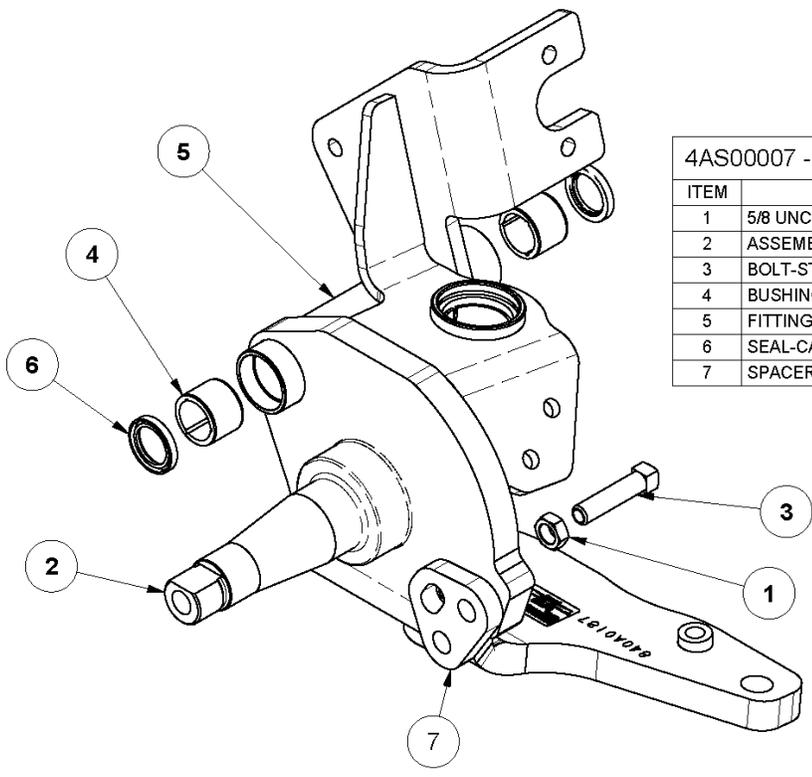
4AS00004 - SERVICE KIT - ASSEMBLY-ROD, TIE

| ITEM | DESCRIPTION             | QTY |
|------|-------------------------|-----|
| 1    | ASSEMBLY-ROD, TIE       | 1   |
| 2    | PIN-COTTER, .125 X 1.75 | 2   |

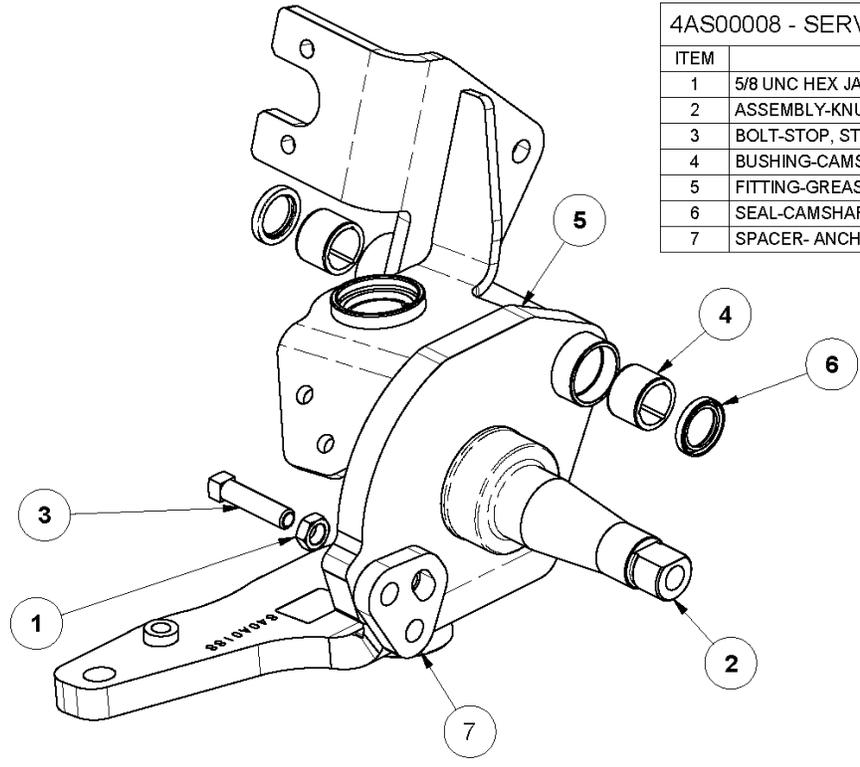
| 4AS00005 - SERVICE ASSEMBLY - HANGER |   |     |
|--------------------------------------|---|-----|
| ITEM                                 | DESCRIPTION                                     | QTY |
| 1                                    | ASSEMBLY-HANGER TO CROSSMEMBER                  | 1   |
| 2                                    | HEX CAP SCREW, M20 X 2.5 X 145, CLASS 10.9      | 4   |
| 3                                    | HEX HEAD FLANGE SCREW, M16 X 2 X 45, CLASS 10.9 | 8   |
| 4                                    | HEX TOP LOCK NUT, M20 X 2.5, 10                 | 4   |
| 5                                    | INSTRUCTIONS-INSTALLATION-4AS00057              | 1   |
| 6                                    | STEP LOCK NUT ASSY, M16 X 2 CLASS 10            | 4   |
| 7                                    | WASHER-HARDENED, 20MM                           | 8   |
| 8                                    | WASHER-OVERSIZED, 17MM                          | 12  |



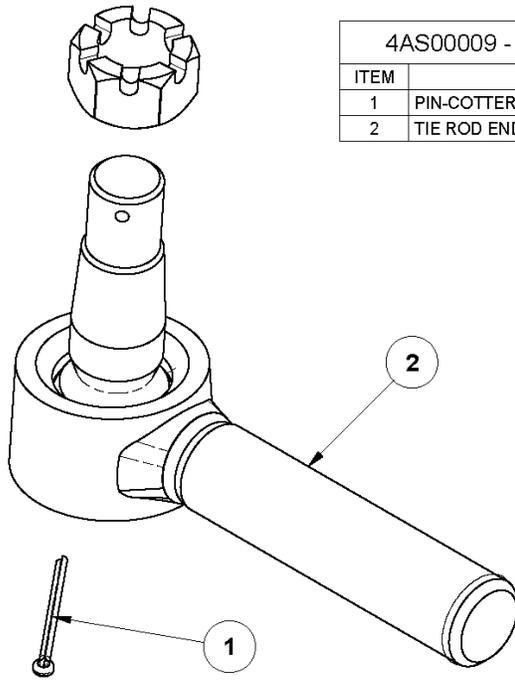
| 4AS00006 - SERVICE ASSEMBLY - AXLE-FABRICATED |                      |     |
|---|----------------------|-----|
| ITEM  | DESCRIPTION          | QTY |
| 1   | AXLE-FABRICATED, 10K | 1   |



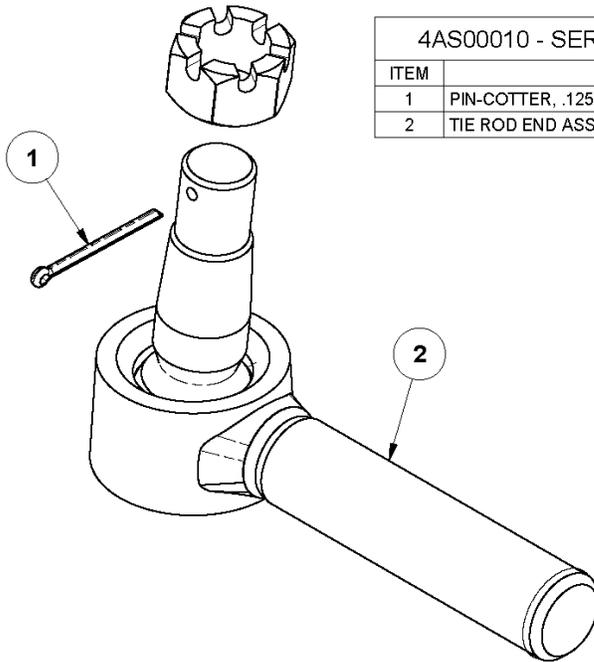
| 4AS00007 - SERVICE ASSEMBLY - KNUCKLE-MACHINED-LH |                                    |     |
|---|------------------------------------|-----|
| ITEM  | DESCRIPTION                        | QTY |
| 1   | 5/8 UNC HEX JAM NUT, GR 5          | 1   |
| 2   | ASSEMBLY-KNUCKLE, LH               | 1   |
| 3   | BOLT-STOP, STEERING, GEOMET        | 1   |
| 4   | BUSHING-CAMSHAFT                   | 2   |
| 5   | FITTING-GREASE, 1/8-27STR THD FORM | 1   |
| 6   | SEAL-CAMSHAFT                      | 2   |
| 7   | SPACER- ANCHOR, BRAKE              | 1   |



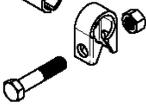
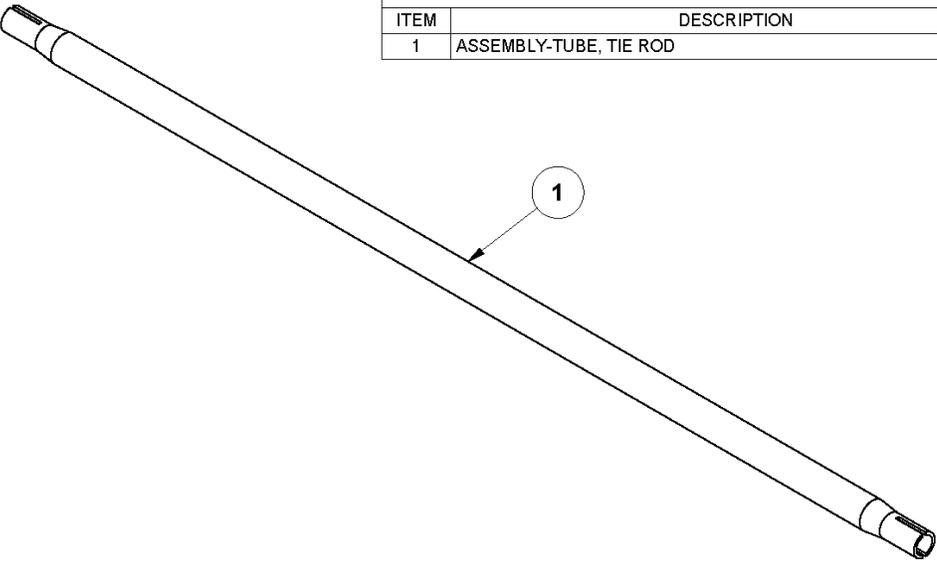
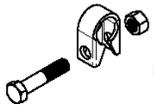
| 4AS00008 - SERVICE ASSEMBLY - KNUCKLE-MACHINED-RH |                                    |     |
|---|------------------------------------|-----|
| ITEM  | DESCRIPTION                        | QTY |
| 1   | 5/8 UNC HEX JAM NUT, GR 5          | 1   |
| 2   | ASSEMBLY-KNUCKLE, RH               | 1   |
| 3   | BOLT-STOP, STEERING, GEOMET        | 1   |
| 4   | BUSHING-CAMSHAFT                   | 2   |
| 5   | FITTING-GREASE, 1/8-27STR THD FORM | 1   |
| 6   | SEAL-CAMSHAFT                      | 2   |
| 7   | SPACER- ANCHOR, BRAKE              | 1   |



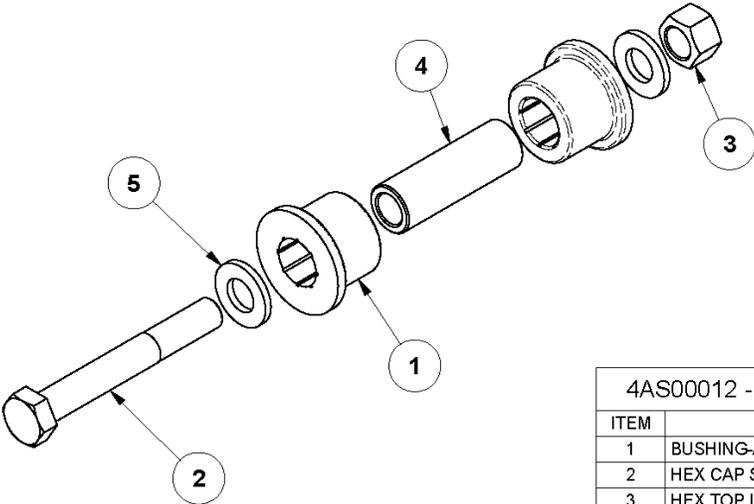
| 4AS00009 - SERVICE KIT - TIE ROD END (LH THREAD) |                         |     |
|--|-------------------------|-----|
| ITEM   | DESCRIPTION             | QTY |
| 1  | PIN-COTTER, .125 X 1.75 | 1   |
| 2  | TIE ROD END ASSM. (LH)  | 1   |



| 4AS00010 - SERVICE KIT - TIE ROD END (RH THREAD) |                         |     |
|--|-------------------------|-----|
| ITEM   | DESCRIPTION             | QTY |
| 1  | PIN-COTTER, .125 X 1.75 | 1   |
| 2  | TIE ROD END ASSM. (RH)  | 1   |



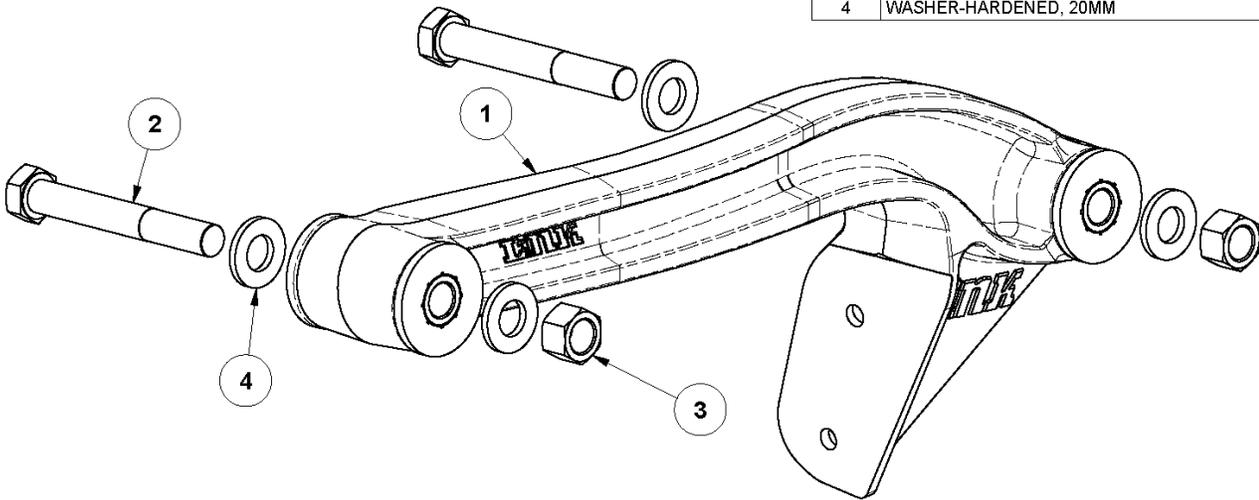
| 4AS00011 - SERVICE KIT - ASSEMBLY TUBE-TIE ROD |                        |     |
|--|------------------------|-----|
| ITEM   | DESCRIPTION            | QTY |
| 1  | ASSEMBLY-TUBE, TIE ROD | 1   |



| 4AS00012 - SERVICE KIT - COMPLETE BUSHING |  |     |
|---|--|-----|
| ITEM                                      | DESCRIPTION                                | QTY |
| 1   | BUSHING-ARM                                | 16  |
| 2   | HEX CAP SCREW, M20 X 2.5 X 145, CLASS 10.9 | 8   |
| 3   | HEX TOP LOCK NUT, M20 X 2.5, 10            | 8   |
| 4   | TUBE-BUSHING                               | 8   |
| 5   | WASHER-HARDENED, 20MM                      | 16  |

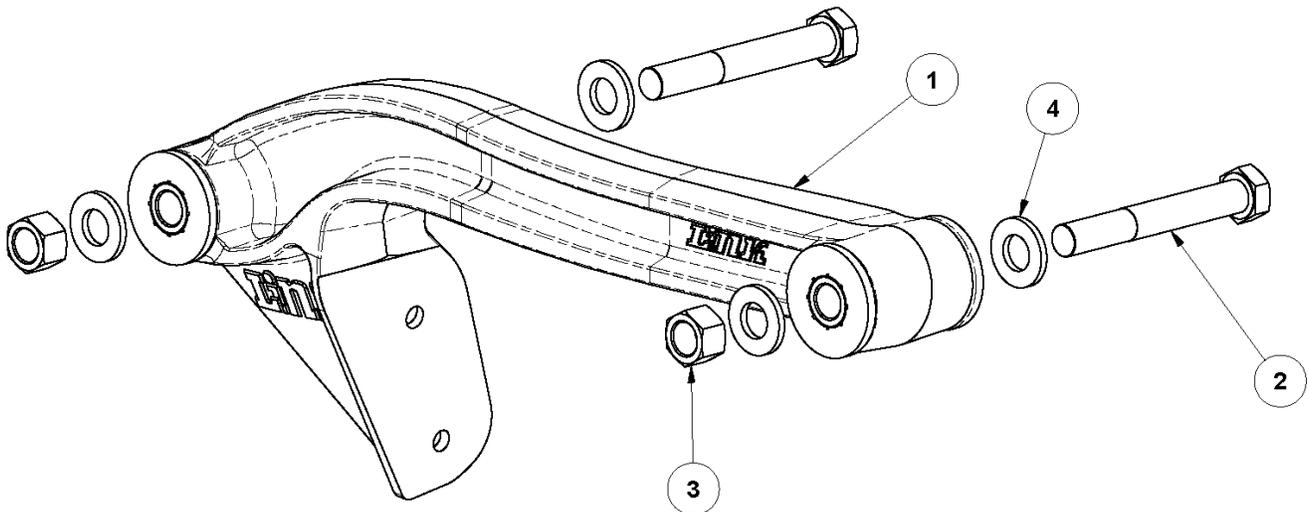
4AS00013 - SERVICE KIT - UPPER ARM-LH

| ITEM | DESCRIPTION                                | QTY |
|------|--|-----|
| 1    | ARM ASSEMBLY-TRAILING, UPPER LH            | 1   |
| 2    | HEX CAP SCREW, M20 X 2.5 X 145, CLASS 10.9 | 2   |
| 3    | HEX TOP LOCK NUT, M20 X 2.5, 10            | 2   |
| 4    | WASHER-HARDENED, 20MM                      | 4   |



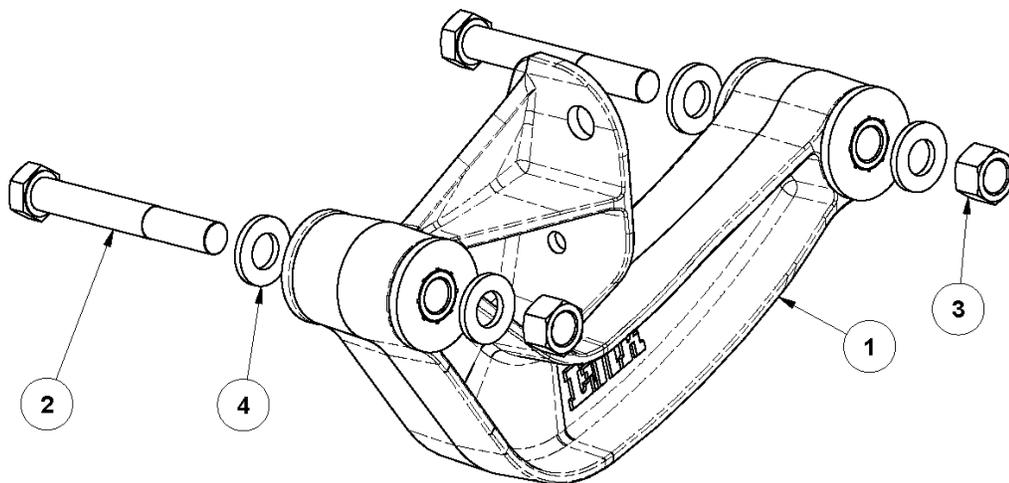
4AS00014 - SERVICE KIT - UPPER ARM-RH

| ITEM | DESCRIPTION                                | QTY |
|------|--|-----|
| 1    | ARM ASSEMBLY-TRAILING, UPPER RH            | 1   |
| 2    | HEX CAP SCREW, M20 X 2.5 X 145, CLASS 10.9 | 2   |
| 3    | HEX TOP LOCK NUT, M20 X 2.5, 10            | 2   |
| 4    | WASHER-HARDENED, 20MM                      | 4   |



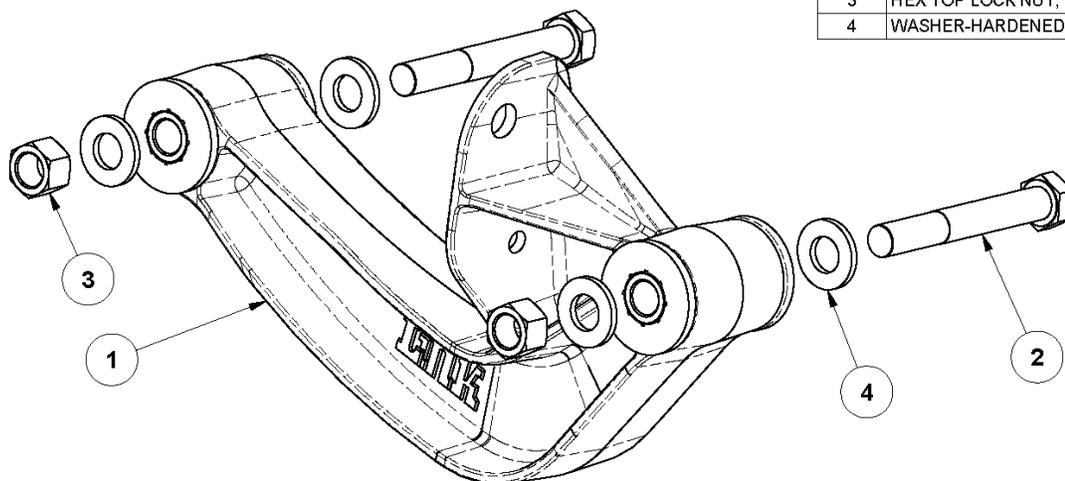
4AS00015 - SERVICE KIT - LOWER ARM-LH

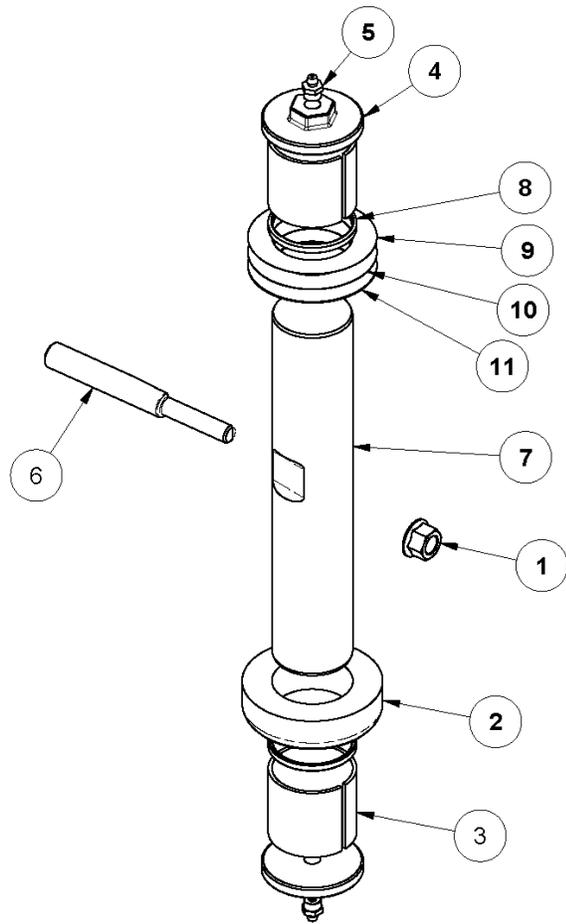
| ITEM | DESCRIPTION                                | QTY |
|------|--|-----|
| 1    | ARM ASSEMBLY-TRAILING, LOWER LH            | 1   |
| 2    | HEX CAP SCREW, M20 X 2.5 X 145, CLASS 10.9 | 2   |
| 3    | HEX TOP LOCK NUT, M20 X 2.5, 10            | 2   |
| 4    | WASHER-HARDENED, 20MM                      | 4   |



4AS00016 - SERVICE KIT - LOWER ARM-RH

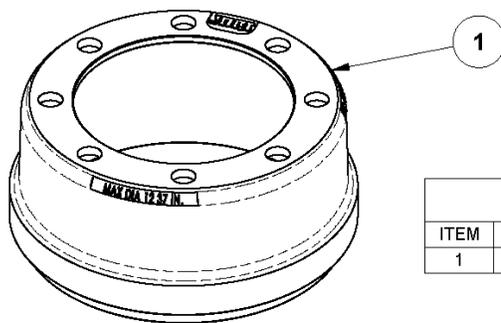
| ITEM | DESCRIPTION                                | QTY |
|------|--|-----|
| 1    | ARM ASSEMBLY-TRAILING, LOWER RH            | 1   |
| 2    | HEX CAP SCREW, M20 X 2.5 X 145, CLASS 10.9 | 2   |
| 3    | HEX TOP LOCK NUT, M20 X 2.5, 10            | 2   |
| 4    | WASHER-HARDENED, 20MM                      | 4   |





4AS00017 - SERVICE KIT - COMPLETE KINGPIN

| ITEM | DESCRIPTION                               | QTY |
|------|---|-----|
| 1    | 7/16 UNC HEX TOP LOCK FLANGE NUT, GRADE G | 2   |
| 2    | BEARING-THRUST                            | 2   |
| 3    | BUSHING-KNUCKLE, DX10                     | 4   |
| 4    | CAP-KING PIN                              | 4   |
| 5    | FITTING-GREASE, 1/8-27STR THD FORM        | 4   |
| 6    | PIN-DRAW, LOCKING                         | 2   |
| 7    | PIN-KING, 13.5K (1.88)                    | 2   |
| 8    | SEAL-KNUCKLE                              | 4   |
| 9    | SHIM (.005)                               | 2   |
| 10   | SHIM (.010)                               | 2   |
| 11   | SHIM (.030)                               | 2   |

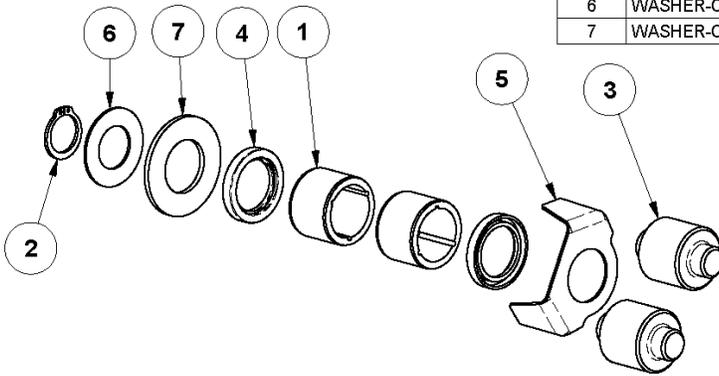


4AS00018 - SERVICE KIT - DRUM

| ITEM | DESCRIPTION                           | QTY |
|------|---------------------------------------|-----|
| 1    | 12.25X4" -8 STUD, BRAKE DRUM 275MM BC | 1   |

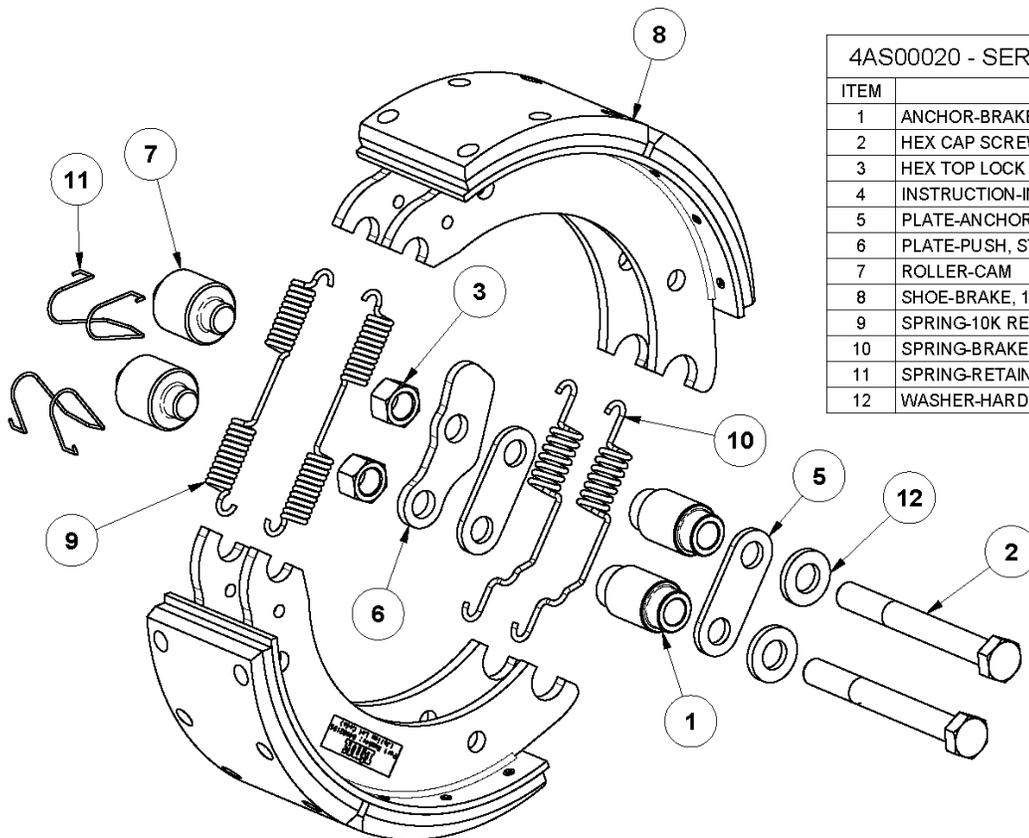
4AS00019 - SERVICE KIT - COMPLETE CAM BUSHING AND SEAL

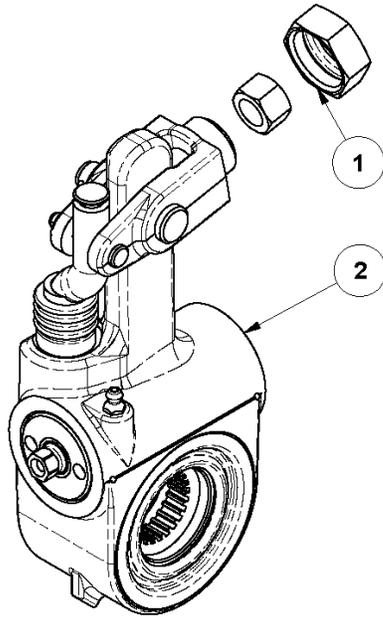
| ITEM | DESCRIPTION                         | QTY |
|------|-------------------------------------|-----|
| 1    | BUSHING-CAMSHAFT                    | 4   |
| 2    | RETAINING RING-CAMSHAFT             | 2   |
| 3    | ROLLER-CAM                          | 4   |
| 4    | SEAL-CAMSHAFT                       | 4   |
| 5    | WASHER-CAM HEAD                     | 2   |
| 6    | WASHER-CAMSHAFT (1.88 X 1.03 X .06) | 2   |
| 7    | WASHER-CAMSHAFT (2.38 X 1.28 X .13) | 2   |



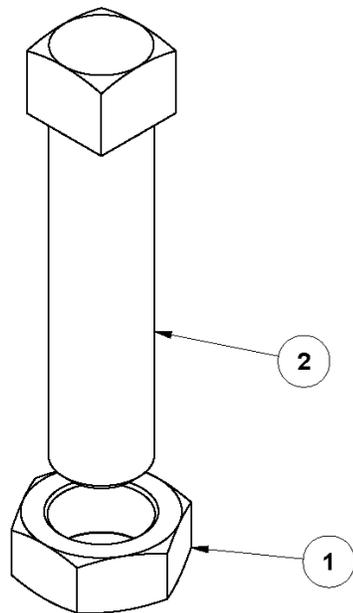
4AS00020 - SERVICE KIT - COMPLETE BRAKE

| ITEM | DESCRIPTION                          | QTY |
|------|--------------------------------------|-----|
| 1    | ANCHOR-BRAKE SHOE, 10K               | 4   |
| 2    | HEX CAP SCREW, M16 X 2.0 X 140, 10.9 | 4   |
| 3    | HEX TOP LOCK NUT, M16 X 2.0, 10      | 4   |
| 4    | INSTRUCTION-INSTALLATION-4AS00020    | 1   |
| 5    | PLATE-ANCHOR                         | 4   |
| 6    | PLATE-PUSH, STEERING LOCK            | 2   |
| 7    | ROLLER-CAM                           | 4   |
| 8    | SHOE-BRAKE, 12.25 X 4.00 LINED       | 4   |
| 9    | SPRING-10K RETURN                    | 4   |
| 10   | SPRING-BRAKE RETAIN, 10K             | 4   |
| 11   | SPRING-RETAINING, CAM ROLLER         | 4   |
| 12   | WASHER-HARDENED, 16MM                | 4   |

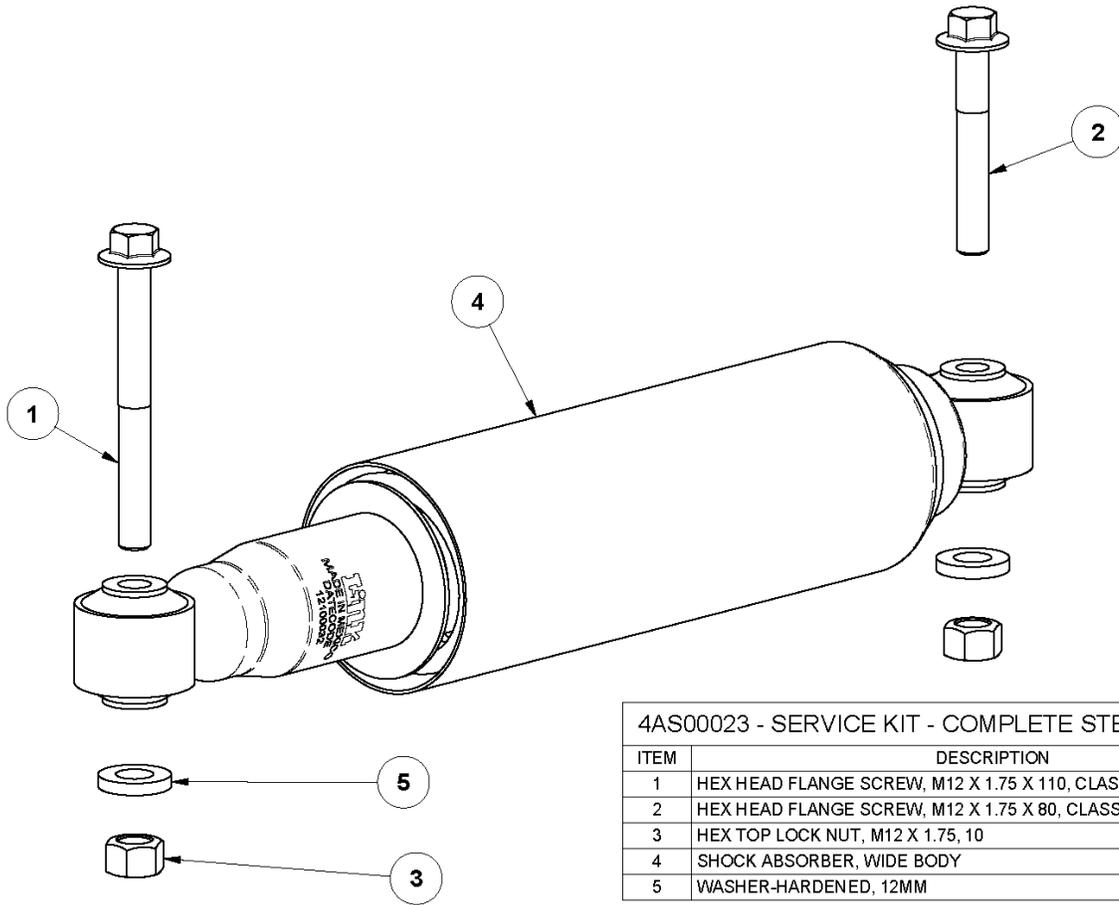




| 4AS00021 - SERVICE KIT - SLACK ADJUSTER |                                 |     |
|---|---------------------------------|-----|
| ITEM                                    | DESCRIPTION                     | QTY |
| 1                                       | KIT-CONNECTING, SLACK ADJUSTER  | 1   |
| 2                                       | SLACK ADJUSTER-1-1/4" 24 SPLINE | 1   |

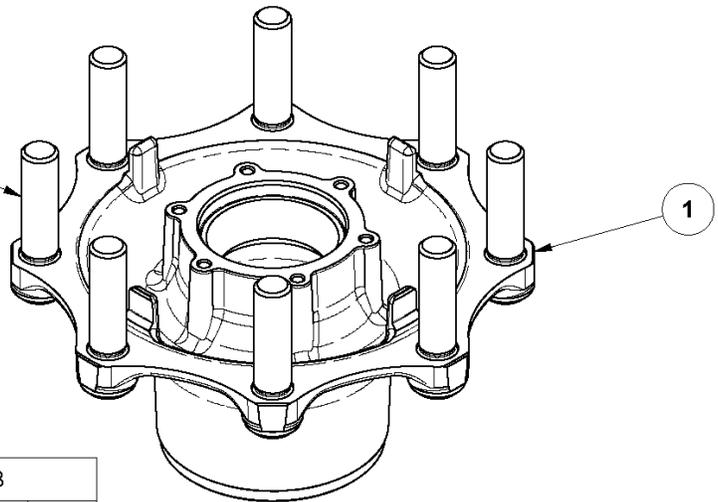


| 4AS00022 - SERVICE KIT - STEERING STOP BOLT |                             |     |
|---|-----------------------------|-----|
| ITEM  | DESCRIPTION                 | QTY |
| 1   | 5/8 UNC HEX JAM NUT, GR 5   | 1   |
| 2   | BOLT-STOP, STEERING, GEOMET | 1   |

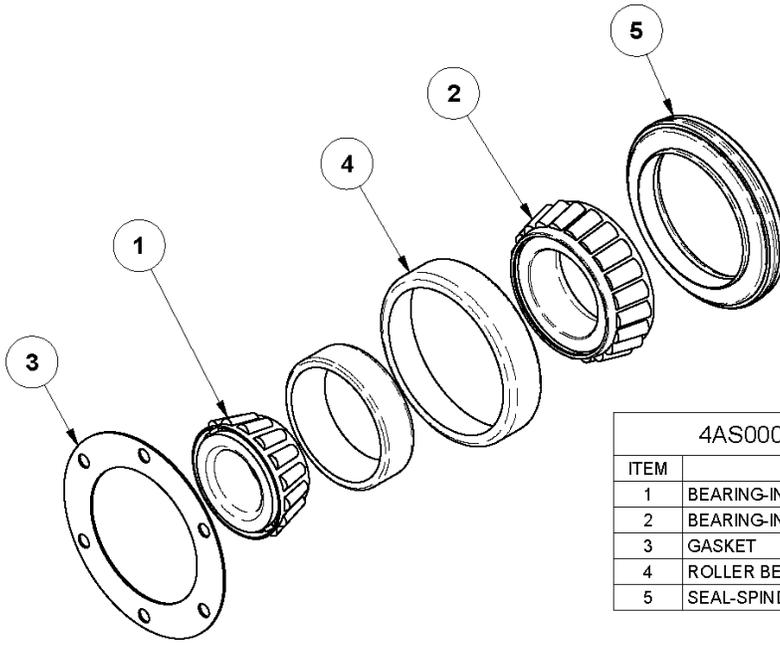


| 4AS00023 - SERVICE KIT - COMPLETE STEERING STABILIZER |   |     |
|---|---|-----|
| ITEM  | DESCRIPTION   | QTY |
| 1   | HEX HEAD FLANGE SCREW, M12 X 1.75 X 110, CLASS 10.9 | 2   |
| 2   | HEX HEAD FLANGE SCREW, M12 X 1.75 X 80, CLASS 10.9  | 2   |
| 3   | HEX TOP LOCK NUT, M12 X 1.75, 10                    | 4   |
| 4   | SHOCK ABSORBER, WIDE BODY                           | 2   |
| 5   | WASHER-HARDENED, 12MM                               | 4   |

FOR STUDS, ORDER PART NUMBER 84002277

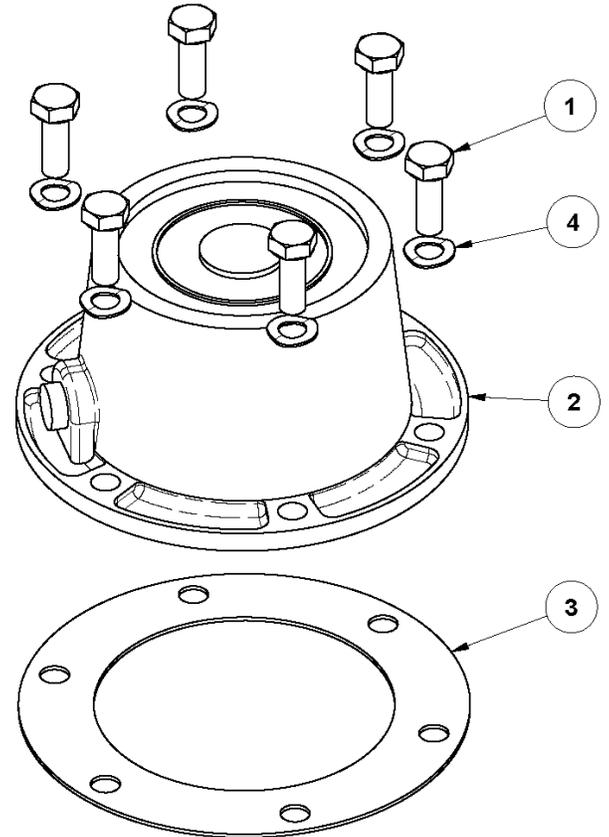


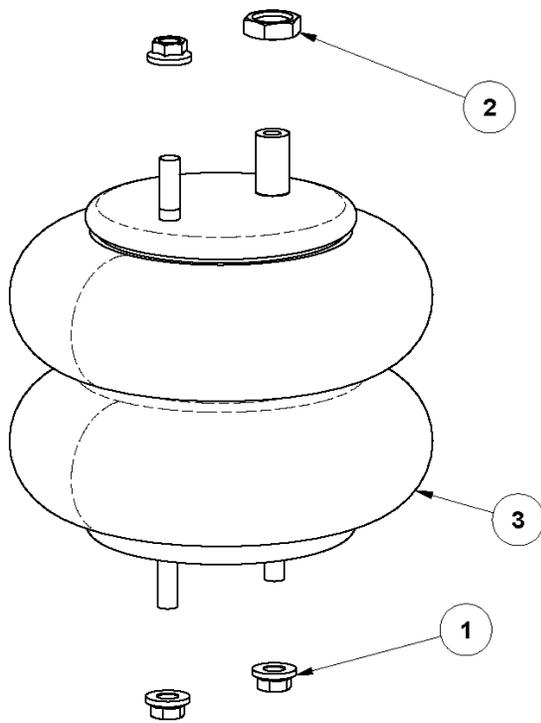
| 4AS00027 - SERVICE KIT - HUB PILOTED HUB |                      |     |
|--|----------------------|-----|
| ITEM                                     | DESCRIPTION          | QTY |
| 1  | HUB-8 STUD, 275MM BC | 1   |



| 4AS00028 - SERVICE KIT - BEARINGS AND SEALS |                                 |     |
|---|---------------------------------|-----|
| ITEM  | DESCRIPTION                     | QTY |
| 1   | BEARING-INNER CONE - 41.15MM ID | 1   |
| 2   | BEARING-INNER CONE - 57.15MM ID | 1   |
| 3   | GASKET                          | 1   |
| 4   | ROLLER BEARING, CUP             | 2   |
| 5   | SEAL-SPINDLE, 10K               | 1   |

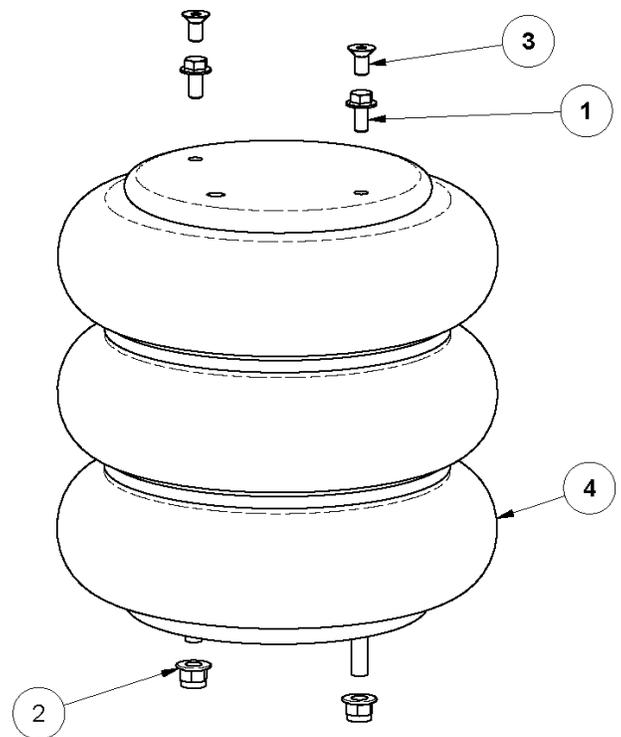
| 4AS00029 - SERVICE KIT - HUB CAP ASSEMBLY |                                    |     |
|---|------------------------------------|-----|
| ITEM                                      | DESCRIPTION                        | QTY |
| 1   | 5/16 X 7/8 UNC HEX CAP SCREW, GR 5 | 6   |
| 2   | CAP-HUB, 6 HOLE, 4.5" B.C.         | 1   |
| 3   | GASKET                             | 1   |
| 4   | WASHER-SPRING                      | 6   |

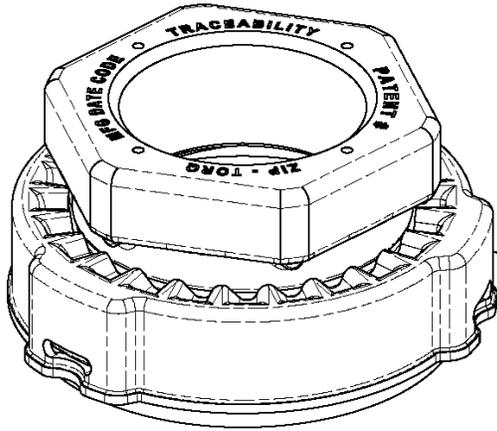




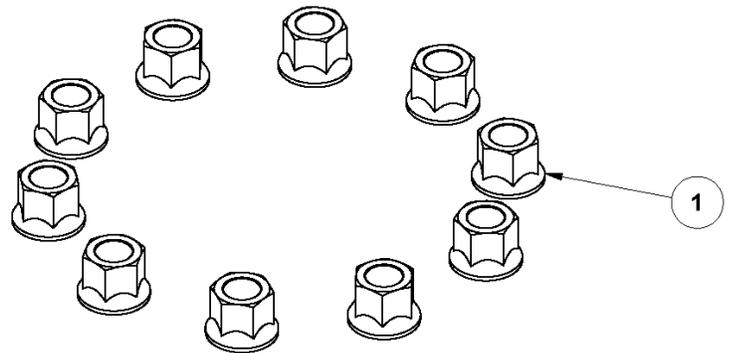
| 4AS00032 - SERVICE KIT - LIFT SPRING |                                |     |
|--------------------------------------|--------------------------------|-----|
| ITEM                                 | DESCRIPTION                    | QTY |
| 1                                    | M12 X 1.75 SERRATED FLANGE NUT | 3   |
| 2                                    | M20 X 1.5 JAM NUT              | 1   |
| 3                                    | SPRING-AIR                     | 1   |

| 4AS00033 - SERVICE KIT - LOAD SPRING |  |     |
|--------------------------------------|--|-----|
| ITEM                                 | DESCRIPTION  | QTY |
| 1                                    | HEX HEAD FLANGE SCREW, M10 X 1.50 X 20, CLASS 10.9 | 2   |
| 2                                    | M12 X 1.75 HEX FLANGE NYLOCK NUT (CLASS 8)         | 2   |
| 3                                    | METRIC FLAT HEAD CAP SCREW, M10 X 1.50, CLASS 10.9 | 2   |
| 4                                    | SPRING-AIR   | 1   |





| 4AS00034 - SERVICE KIT – NUT-ZIP-TORQ, 1.50-12 |                       |     |
|--|-----------------------|-----|
| ITEM   | DESCRIPTION           | QTY |
| 1  | NUT-ZIP-TORQ, 1.50-12 | 1   |



| 4AS00049 - SERVICE KIT - WHEEL NUT |                       |     |
|------------------------------------|-----------------------|-----|
| ITEM                               | DESCRIPTION           | QTY |
| 1                                  | NUT-FLANGE, M22 X 1.5 | 10  |

## 10. REFERENCES

Wherever possible, Link Manufacturing, LTD encourages the use of best practices in the industry in service and support of the products it manufactures. Many of these recommended practices that Link Manufacturing, LTD supports can be found in documentation compiled by The Technology & Maintenance Council (TMC). To obtain copies of the following Recommend Practice (RP's), contact TMC at

|                      |   |
|----------------------|---|
| TMC/ATA              | Phone: 703-838-1763   |
| 2200 Mill Road       | Website: <a href="http://tmc.truckline.com">tmc.truckline.com</a>                     |
| Alexandria, VA 22314 | Online ordering: <a href="http://www.truckline.com/store">www.truckline.com/store</a> |

|             |   |
|-------------|---|
| TMC RP 222C | User's Guide to Wheels and Rims   |
| TMC RP 607B | Preventative Maintenance and Inspection of S-Cam Foundation Brakes              |
| TMC RP 608B | Brake Drums and Rotors  |
| TMC RP 609B | Self Adjusting and Manual Brake Adjuster Removal, Installation, and Maintenance |
| TMC RP 618A | Wheel Bearing Adjustment Procedure  |
| TMC RP 622A | Wheel Seal and Bearing Removal, Installation, and Maintenance                   |
| TMC RP 631B | Recommendations For Wheel End Lubrication                                       |
| TMC RP 644A | Wheel End Conditions Analysis Guide   |
| TMC RP 645  | Tie Rod End Inspection and Maintenance Procedure                                |
| TMC RP 648  | Troubleshooting Ride Complaints   |
| TMC RP 651  | Steer Axle Maintenance Guidelines   |
| TMC RP 1503 | Brake Maintenance Guidelines for Severe Vocational Applications                 |
| TMC RP 1515 | Auxiliary Axle Maintenance Guidelines For Vocational Vehicles                   |



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