

# PARTS LIST

## COMFORT AIR® Vocational Single and Tandem Rear Air Suspension for Lion Electric Class 6 & 8 Truck Vehicles

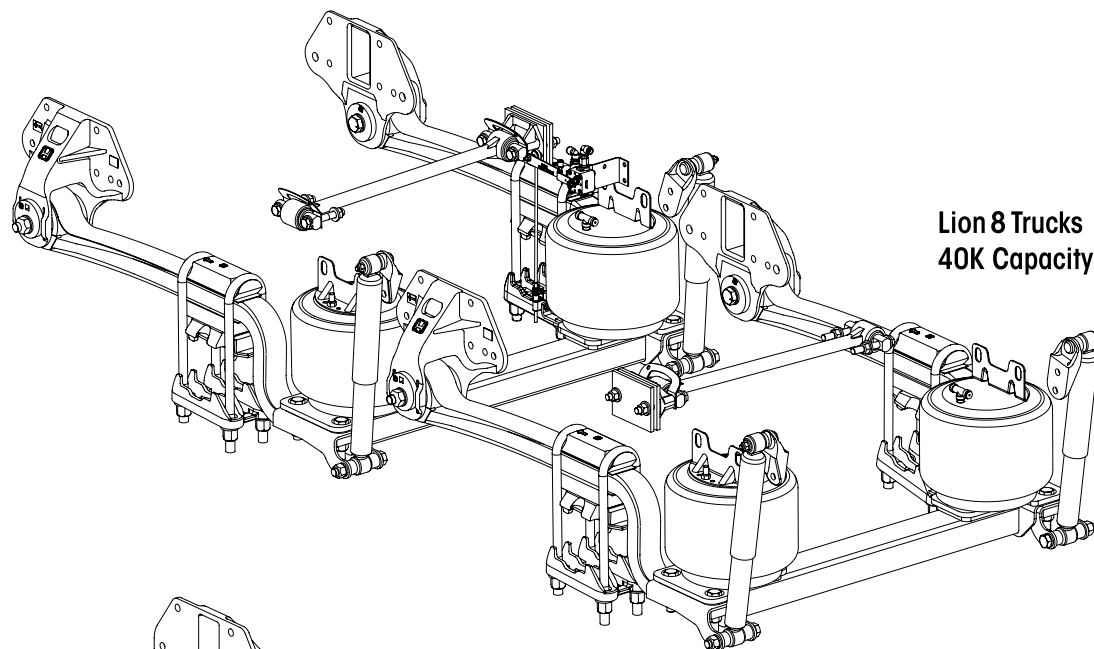
LIT NO: SP-333

DATE: November 2022

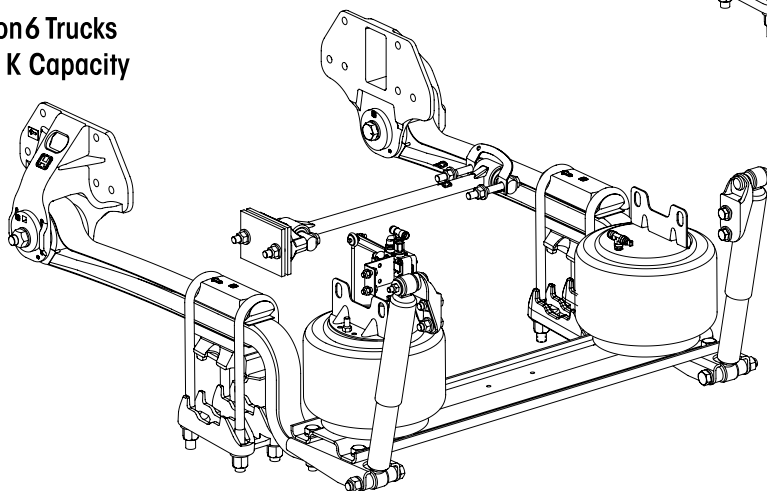
REVISION: B

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Lion6 Trucks  
21K Capacity

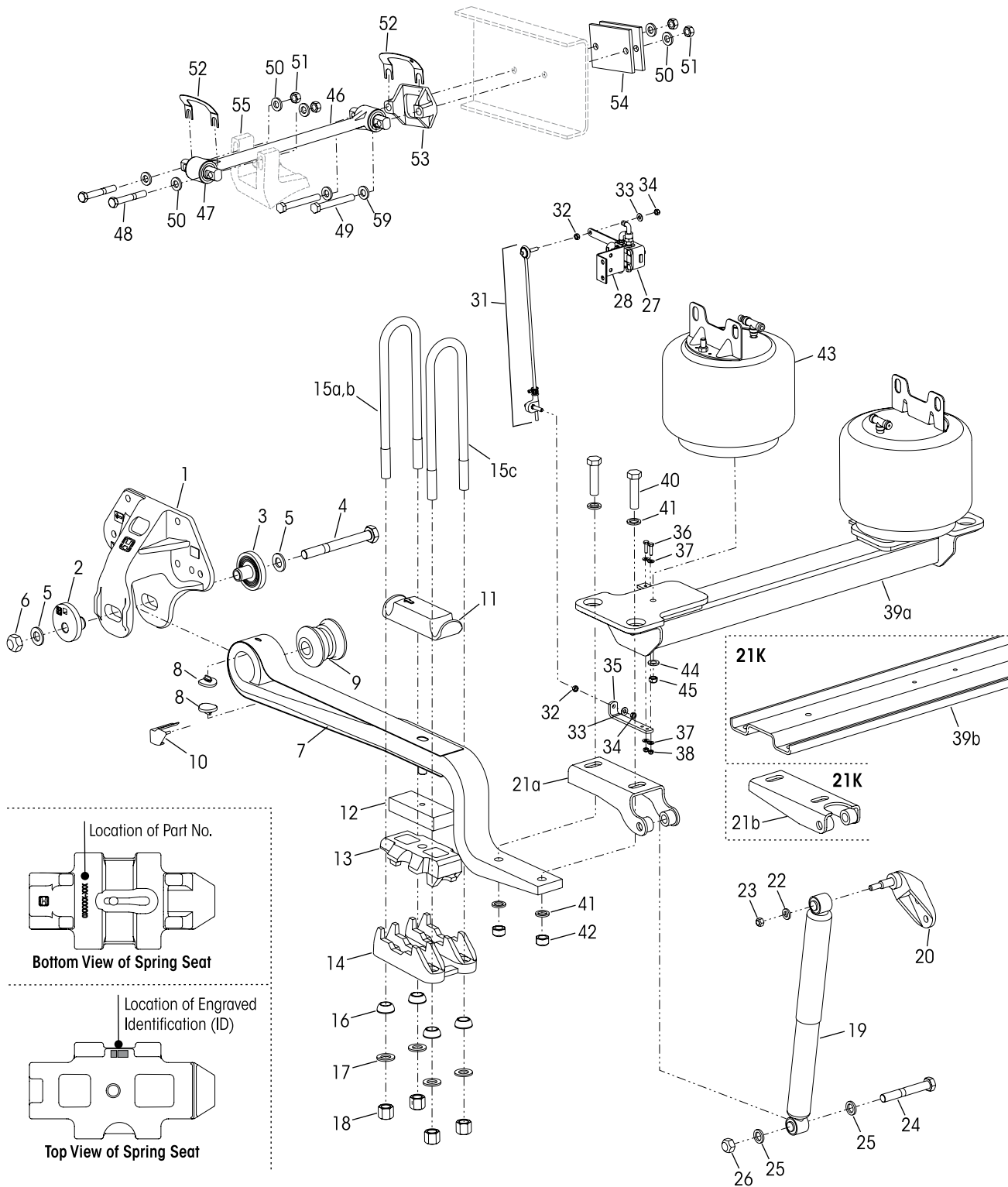


Lion 8 – 40K Capacity

Lion 6 Truck – 21K Capacity

9.7" Ride Height

9" Ride Height





| KEY NO. | PART NO.   | DESCRIPTION                                                                               | VEHICLE<br>*QTY. | KEY NO.   | PART NO.                                                                         | DESCRIPTION                                                           | VEHICLE<br>*QTY. |
|---------|------------|-------------------------------------------------------------------------------------------|------------------|-----------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------|
| 1       |            | Frame Hanger                                                                              |                  |           |                                                                                  | Height Control Valve and Linkage Assembly,<br>Includes Key Nos. 27-38 |                  |
|         | 91330-001L | 40K, Left Hand                                                                            | 2                | 58525-066 | 40K Right Hand                                                                   |                                                                       |                  |
|         | 91330-002L | 40K, Right Hand                                                                           | 2                | 58525-080 | 21K / 40K Left Hand Safari Trucks                                                |                                                                       |                  |
|         | 65081-101  | 21K, Left Hand                                                                            | 1                |           | Height Control Valve Assembly                                                    | 1                                                                     |                  |
|         | 65081-102  | 21K, Right Hand                                                                           | 1                | 69031-002 | 40K, Includes Key Nos. 27-30                                                     |                                                                       |                  |
|         |            | <b>QUIK-ALIGN® Service Kit</b>                                                            |                  | 69031-004 | 21K, Includes Key Nos. 27, 29-30                                                 |                                                                       |                  |
|         | 65119-001  | Left Hand, Includes Key Nos. 2-6                                                          |                  | 27        | 60501-000                                                                        | Height Control Valve                                                  | 1                |
|         | 65119-002  | Right Hand, Includes Key Nos. 3-6                                                         |                  | 28        | 65097-000                                                                        | Height Control Valve Mounting Bracket                                 | 1                |
|         | 60632-041  | Axle Set, Includes Key Nos. 2-6                                                           |                  | 29        | **1/4" HCV Washer (Not Shown)                                                    |                                                                       | 2                |
| 2       |            | **QUIK-ALIGN Eccentric Collar                                                             | 2                | 30        | **1/4" HCV Hex Nut (Not Shown)                                                   |                                                                       | 2                |
| 3       |            | **QUIK-ALIGN Concentric Collar                                                            | 6                | 31        | Linkage Rod Assembly, Includes Key<br>Nos. 32-34                                 |                                                                       |                  |
| 4       |            | **7/8" -9 UNC x 8" Hendrickson Coated Hex Bolt                                            | 4                | 58994-032 | 40K Right Hand - 389 mm                                                          |                                                                       |                  |
| 5       |            | **7/8" Hendrickson Coated Hardened Washer                                                 | 8                | 58994-087 | 21K / 40K Left Hand - 377 mm                                                     |                                                                       |                  |
| 6       |            | **7/8" -9 UNC Hendrickson Coated Locknut                                                  | 4                | 32        | **5/16"-18 UNC Jam Nut                                                           |                                                                       | 2                |
| 7       | 82504-000  | Main Support Member Assembly, 2"                                                          | 4                | 33        | **5/16" Washer                                                                   |                                                                       | 2                |
|         | 34013-464  | <b>Main Support Member Bushing Service Kit,<br/>One Side, Includes Key Nos., 8-10, 56</b> |                  | 34        | **5/16"-18 UNC Locknut                                                           |                                                                       | 2                |
| 8       | 59770-000  | Isolator Pad                                                                              | 8                | 35        | 56789-000                                                                        | Height Control Valve Lower Linkage Bracket                            | 1                |
| 9       | 58648-000L | Main Support Member Bushing                                                               | 4                | 36        | 65091-003                                                                        | M6 x 35 mm Hex Bolt                                                   | 2                |
| 10      | 60392-000  | Spring Eye Clip                                                                           | 4                | 37        | 58246-016                                                                        | M6 Hardened Washer                                                    | 4                |
| 11      | 65071-000  | Top Pad                                                                                   | 4                | 38        | 65092-000                                                                        | M6 Locknut                                                            | 2                |
| 12      |            | Spring Seat Spacer                                                                        |                  | 39        | Cross Channel                                                                    |                                                                       |                  |
|         | 48531-019  | 40K- 1.5"                                                                                 | 4                | a         | 67156-003                                                                        | 40K - 40.5"                                                           | 2                |
|         | 48531-015  | 21K- 1.0"                                                                                 | 2                | b         | 57317-014                                                                        | 21K - 40"                                                             | 1                |
| 13      |            | ***Spring Seat                                                                            |                  | 57499-003 | <b>Cross Channel Fastener Service Kit, Axle Set,<br/>Includes Key Nos. 40-42</b> |                                                                       |                  |
|         | 56501-036  | 40K - Front 2.5° ID No. D36                                                               | 2                | 40        | **M20 x 2.5-6G x 90 mm Bolt                                                      |                                                                       | 8                |
|         | 70856-005  | 40K - Rear 10° ID No. E05                                                                 | 2                | 41        | **M20 Hardened Washer                                                            |                                                                       | 16               |
|         | 56501-030  | 21K - 4° ID No. D30                                                                       | 2                | 42        | **M20 x 2.5-6H Locknut                                                           |                                                                       | 8                |
| 14      |            | Axle Bottom Cap                                                                           |                  | 34013-441 | <b>Single Air Spring Service Kit, Includes Key<br/>Nos. 43-45</b>                |                                                                       |                  |
|         | 93302-000  | 40K Front, 21K, <i>Replaces 50216-000</i>                                                 | 2                | 43        | 65086-002L                                                                       | Air Spring Assembly                                                   | 4                |
|         | 93315-000  | 40K Rear, <i>Replaces 50222-000</i>                                                       | 2                | 44        | **M12 Hardened Washer                                                            |                                                                       | 4                |
|         |            | <b>U-bolt Kit, One Side, Includes Kit<br/>No. 48718-508</b>                               |                  | 45        | **M12 x 1.25 Locknut                                                             |                                                                       | 4                |
|         | 91430-070  | 40K, 21K, Includes Key No. 15a                                                            |                  | 46        | ****ULTRA ROD® Transverse Torque Rod Assembly<br>Includes Key No. 47             |                                                                       |                  |
|         | 91430-036  | 40K, Includes Key No. 15b                                                                 |                  | 62000-635 | 40K, 635 mm                                                                      |                                                                       | 2                |
|         | 91430-038  | 40K, Includes Key No. 15c                                                                 |                  | 62000-585 | 21K, 585 mm                                                                      |                                                                       | 1                |
| 15      |            | **M22 x 1.5 U-bolt                                                                        | 8                | 47        | 47691-000L                                                                       | Torque Rod Bar Pin Bushing                                            | 4                |
| a       |            | 390 mm, 40K - Rear Rear / 21K                                                             |                  |           | <b>Transverse Torque Rod Fastener Service Kits</b>                               |                                                                       |                  |
| b       |            | 400 mm, 40K - Rear Forward                                                                |                  | 58819-016 | 40K, Includes Key Nos. 48a, 49-51                                                |                                                                       |                  |
| c       |            | 422 mm, 40K - Rear Forward/Rear Rear                                                      |                  | 58819-019 | 21K, Includes Key Nos. 48b, 49-51                                                |                                                                       |                  |
|         | 48718-508  | <b>U-bolt Fastener Service Kit, One Side,<br/>Includes Key Nos. 16-18</b>                 |                  | 48        | **M16 x 2-6G x 110 mm Bolt - 40K                                                 |                                                                       | 4                |
| 16      |            | **Spherical Washer                                                                        | 16               |           | **M16 x 2-6G x 130 mm Bolt - 21K                                                 |                                                                       | 2                |
| 17      |            | **M22 Hardened Washer                                                                     | 16               | 49        | **M16 x 2-6G x 140 mm Bolt                                                       |                                                                       | 4                |
| 18      |            | **M22 x 1.5 High Nut                                                                      | 16               | 50        | **M16 Hardened Washer                                                            |                                                                       | 16               |
| 19      | 60670-030L | Shock Absorber                                                                            | 4                | 51        | **M16 x 2-6H Locknut                                                             |                                                                       | 8                |
| 20      | 58516-002  | Upper Shock Bracket                                                                       | 4                | 52        | <b>Torque Rod Shim Kit</b>                                                       | As Req.                                                               |                  |
| 21      |            | Lower Shock Bracket                                                                       |                  | 34013-316 | 40K (5 x 1.5 mm)                                                                 |                                                                       |                  |
| a       | 57124-000  | 40K                                                                                       | 4                | 34013-343 | 21K (2 x 1.5 mm)                                                                 |                                                                       |                  |
| b       | 49324-002  | 21K                                                                                       | 2                | 53        | 22186-000                                                                        | Transverse Torque Rod Frame Bracket                                   | 2                |
|         | 34013-440  | <b>Single Upper and Lower Shock Fasteners<br/>Service Kit, Includes Key Nos. 22-26</b>    |                  | 54        | 45045-010                                                                        | Spacer Plate                                                          | 4                |
| 22      |            | **M12 Hardened Washer                                                                     | 4                | 55        | Transverse Torque Rod Axle Bracket<br>Supplied by Vehicle Manufacturer           |                                                                       | 2                |
| 23      |            | **M12 x 1.75 Locknut                                                                      | 4                | 56        | 70867-001                                                                        | *****P-80 Lubricant - 10 ml (Not Shown)                               | As Req.          |
| 24      |            | **M20 x 2.5 x 140 mm Bolt                                                                 | 4                |           |                                                                                  |                                                                       |                  |
| 25      |            | **M20 Hardened Washer                                                                     | 8                |           |                                                                                  |                                                                       |                  |
| 26      |            | **M20 x 2.5 Locknut                                                                       | 4                |           |                                                                                  |                                                                       |                  |

**NOTES:** \* Quantities specified are for tandem suspension. Adjust quantities for single suspension. Quantities of service kit components may vary from amount shown in list.

\*\* Item included in kit / assembly only, part not sold separately.

\*\*\* Refer to Page 2 for ID number location.

\*\*\*\* Hendrickson's two piece torque rods can be used to create the desired torque rod length, see Torque Rod Selection Guide 45745-148 for more information. TRAAX ROD bushings are non-serviceable, the entire torque rod assembly requires replacement. Visit the TRAAX ROD website [www.traaxrods.com](http://www.traaxrods.com) for more information.

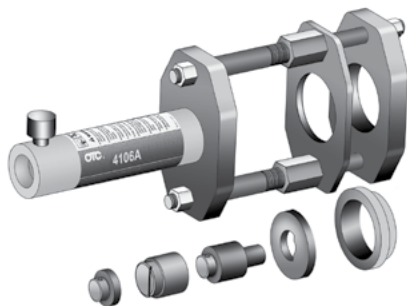
\*\*\*\*\* Use as a lubricant to install the torque rod bushings and main support member pivot bushings.

## Special Tools

### QUIK-ALIGN PIVOT BUSHING SERVICE TOOLS

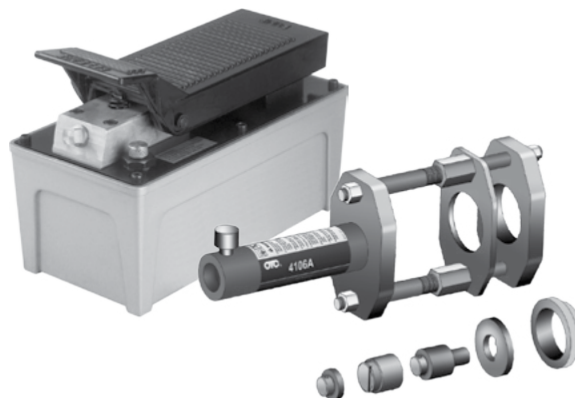
**Hendrickson Part No. 66086-202**

**OTC Part No. 4246** Visit [otctools.com](http://otctools.com)



**Hendrickson Part No. 66086-204**

**OTC Part No. 4247** Visit [otctools.com](http://otctools.com)



### QUIK-ALIGN SOCKET TOOL

**Hendrickson Part No. 66086-200**

**OTC Part No. 1767**

Visit [otctools.com](http://otctools.com)

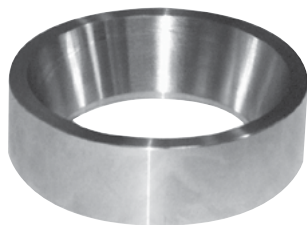


### QUIK-ALIGN PIVOT BUSHING SERVICE TOOL

**Hendrickson Part No. 66086-203L**



### ULTRA ROD TORQUE ROD BUSHING FUNNEL TOOL



**Hendrickson Part No.  
66086-001**

This is a general parts list to provide directional information. Components may vary by model. Questions in regards to parts, contact Hendrickson Truck Parts at 1.866.755.5968 (Toll-free U.S. and Canada), 630.910.2800 (Outside U.S. and Canada) or email: [truckparts@hendrickson-intl.com](mailto:truckparts@hendrickson-intl.com).

Actual product performance may vary depending upon vehicle configuration, operation, service and other factors.

All applications must comply with applicable Hendrickson specifications and must be approved by the respective vehicle manufacturer with the vehicle in its original, as-built configuration. Contact Hendrickson for additional details regarding specifications, applications, capacities, and operation, service and maintenance instructions.

**Call Hendrickson at 1.866.755.5968 (toll-free) or 1.630.910.2800 for additional information.**



[www.hendrickson-intl.com](http://www.hendrickson-intl.com)

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