



TRUCK NON-STEERABLE LIFT AXLE ORDERING GUIDE

If additional options are required and do not appear on this guide, please note when ordering. This sheet covers basic information.

TO: _____ FROM: _____

COMPANY NAME: _____

DATE: _____ PHONE: _____ FAX: _____

EMAIL: _____

| 1 Suspension Type and Capacity Selection | | | | |
|--|--|--------------------------------------|--|---|
| 12K | <input type="checkbox"/> AL1200DB* - Drawbar with trailer style round tube axle | | | |
| 13.5K | <input type="checkbox"/> AL1300 - Kit only or with trailer style round tube axle | | | |
| | <input type="checkbox"/> AL1395 - Susp. with fabricated axle. FF spindle only. | | | |
| 16K | <input type="checkbox"/> AL1600DB* - Drawbar with trailer style round tube axle | | | |
| 19K | <input type="checkbox"/> AL1900 - Kit only or with trailer style round tube axle | | | |
| | <input type="checkbox"/> AL1900DB* - Drawbar with trailer style round tube axle | | | |
| 25K | <input type="checkbox"/> AL2200 - Kit only or with trailer style round tube axle | | | |
| | RAIL TYPE: | <input type="checkbox"/> SR | <input type="checkbox"/> SSR* (4.25" shorter fore/aft) | <input type="checkbox"/> Roll Off (Cannot use 9" drop axle) |
| | Alignment Style: | <input type="checkbox"/> Weld Collar | | <input type="checkbox"/> Eccentric Collar |
| | * Tag position only | | | |

| 2 Vehicle Information (all information required) | | |
|--|---|--|
| Lift Axle Position | <input type="checkbox"/> Pusher (Ahead of Drive Axles) | <input type="checkbox"/> Tag (Behind of Drive Axles) |
| Vehicle's Primary Suspension Type | <input type="checkbox"/> Air Ride <input type="checkbox"/> Mech. Spring | <input type="checkbox"/> Rubber Block <input type="checkbox"/> Walking Beam |
| Vehicle's Frame Width (outside to outside) | <input type="checkbox"/> 33.5" <input type="checkbox"/> 34" <input type="checkbox"/> 34.5" <input type="checkbox"/> 35" Other (please specify _____) | |
| Dimension from Bottom of Frame Rail to Ground (at lift axle location) | Unloaded _____ Loaded _____ | |
| Dimension from Bottom of Frame Rail to Bottom of Drive Shaft (at lift axle location) | _____ | |
| Lift Axle Tire Size | _____ | |

| 3 Lift Axle Options | | | |
|---|--|------------------------------|------------------------------|
| Ride Height Must be configured and meet specific model acceptable ranges based on the vehicle "loaded" frame height. All clearances above and below lift axle tires and at the driveline must be confirmed by installer. (See figure 1) | Available ride heights/ranges vary with each specific model and availability will be confirmed during ordering process. Values shown below represent nominal target heights. | | |
| | <input type="checkbox"/> 7" | <input type="checkbox"/> 8" | <input type="checkbox"/> 9" |
| | <input type="checkbox"/> 10" | <input type="checkbox"/> 11" | <input type="checkbox"/> 12" |
| | <input type="checkbox"/> 13" | <input type="checkbox"/> 14" | <input type="checkbox"/> 15" |
| | <input type="checkbox"/> 16" | <input type="checkbox"/> 17" | <input type="checkbox"/> 18" |
| | <input type="checkbox"/> 19" | <input type="checkbox"/> 20" | <input type="checkbox"/> 21" |

| 3 Lift Axle Options (Continued) | | |
|---------------------------------|---|--|
| Rail | <input type="checkbox"/> Blank, NO holes | <input type="checkbox"/> With Mounting Holes - Specific hole pattern must be furnished |
| Vertical Shock Kit | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Brakes | <input type="checkbox"/> Less brakes | |
| | <input type="checkbox"/> 12.25" x 7.5" | |
| | <input type="checkbox"/> 15 x 4 (FF spindle only) <input type="checkbox"/> 16.5 x 7 (25K only) | |
| Brake Chambers | <input type="checkbox"/> N/A | <input type="checkbox"/> Type 20 <input type="checkbox"/> Type 24 <input type="checkbox"/> Type 30 |
| | <input type="checkbox"/> Type 2424 | <input type="checkbox"/> Type 2430 <input type="checkbox"/> Type 3030 |
| Dust Shields | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

| 4 Axle Beam Options | | |
|-------------------------------------|--|--|
| Axle Beam | <input type="checkbox"/> Less Axle | <input type="checkbox"/> With Axle (select from options below. Options shown may not apply to all suspension models) |
| Spindle Type | | |
| <input type="checkbox"/> FF Spindle | <input type="checkbox"/> N Spindle | <input type="checkbox"/> P Spindle |
| Axle Type | | |
| Straight | <input type="checkbox"/> 92" Hub Face (FF Spindle Only) 13,200 Pound Beam Rating | |
| | <input type="checkbox"/> 98" Hub Face (FF Spindle Only) 13,200 Pound Beam Rating | |
| | <input type="checkbox"/> 71.5" Axle Track, 5/8" Wall 22,500 Pound Beam Rating @ 34" Arm Centers | |
| | <input type="checkbox"/> 71.5" Axle Track, 3/4" Wall 25,000 Pound Beam Rating @ 34" Arm Centers | |
| | <input type="checkbox"/> 77.5" Axle Track, 5/8" Wall 19,290 Pound Beam Rating @ 34" Arm Centers | |
| | <input type="checkbox"/> 77.5" Axle Track, 3/4" Wall 21,440 Pound Beam Rating @ 34" Arm Centers | |
| 6" Bent Tube | <input type="checkbox"/> 92" Hub Face (FF Spindle Only) 13,200 Pound Beam Rating | |
| | <input type="checkbox"/> 98" Hub Face (FF Spindle Only) 13,200 Pound Beam Rating | |
| | <input type="checkbox"/> 71.5" Axle Track, 5/8" Wall 20,100 Pound Beam Rating @ 34" Arm Centers | |
| | <input type="checkbox"/> 71.5" Axle Track, 3/4" Wall 22,500 Pound Beam Rating @ 34" Arm Centers | |
| | <input type="checkbox"/> 77.5" Axle Track, 3/4" Wall 19,200 Pound Beam Rating @ 34" Arm Centers | |
| 9" Bent Tube (AL2200 Only) | <input type="checkbox"/> 71.5" Axle Track, 5/8" Wall 18,500 Pound Beam Rating @ 34" Arm Centers | |

See back for steps 4 and 5

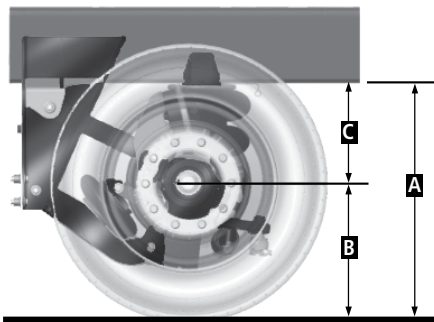


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| 5 Wheel-End Options | | | |
|----------------------------|---|--|--|
| Hub | <input type="checkbox"/> Less Wheel-ends | <input type="checkbox"/> Standard hub | <input type="checkbox"/> Preset Plus |
| Hub Style | <input type="checkbox"/> Hub Pilot (Standard) | <input type="checkbox"/> Stud Pilot | |
| Hub Options | <input type="checkbox"/> Cast | <input type="checkbox"/> Aluminum | |
| ABS Tone Ring | <input type="checkbox"/> Less Tone Ring | <input type="checkbox"/> Tone Ring Installed | |
| Drum Options | <input type="checkbox"/> Cast | <input type="checkbox"/> Cast for 19.5" wheels (13.5K with 15 x 4 brakes only) | |
| | <input type="checkbox"/> Castilite | <input type="checkbox"/> Less Drums | |
| Wheel-end Fasteners | <input type="checkbox"/> Wheel-end fasteners included | <input type="checkbox"/> Less wheel-end fasteners | |
| Wheel-end Lube | <input type="checkbox"/> No Lube | <input type="checkbox"/> Std. Oil | <input type="checkbox"/> Synthetic Oil |
| ABS Sensor | <input type="checkbox"/> Less ABS Sensor Cables | <input type="checkbox"/> ABS Sensor Cables Installed | |

| 6 Plumbing Options (Not available for all models) | | |
|--|---|--|
| Plumbing | <input type="checkbox"/> Less Plumbing | <input type="checkbox"/> Pre-plumbing included (select from options below) |
| Plumbing Kit Variations (select one main and one control option) | | |
| Main Kit | Control Option | |
| <input type="checkbox"/> PPAK50 Air kit for use with multi-port spool-type control valve | <input type="checkbox"/> Less Controls | |
| | <input type="checkbox"/> Regulator/gauge combo w/bracket (no push/pull valve) | |
| | <input type="checkbox"/> Control panel with manual push/pull valve, regulator, gauge | |
| | <input type="checkbox"/> Control panel with 12v push/pull valve, regulator, gauge, 12v relay | |
| | <input type="checkbox"/> Control panel with regulator and gauge only (no control valve) | |
| <input type="checkbox"/> No control panel, elec. 12v valve, regulator, gauge, 12v relay | | |
| <input type="checkbox"/> PPAK250 Air kit utilizing high-flow elec. Lift Axle Control Module. 12V relay included. | <input type="checkbox"/> Less Controls | |
| | <input type="checkbox"/> Regulator/gauge combo w/bracket (no push/pull valve) | |
| | <input type="checkbox"/> Control panel with regulator and gauge (no push/pull valve) | |
| | <input type="checkbox"/> Control panel with regulator and gauge in weather box (no push/pull valve) | |
| <input type="checkbox"/> PPAK124 Air kit utilizing proportioning ratio valve in place of manual regulator. 25K units only. | <input type="checkbox"/> Control panel with regulator, gauge and push/pull valve in weather box | |
| | <input type="checkbox"/> Less Controls | |
| <input type="checkbox"/> Control panel with regulator and gauge (no push/pull valve) | | |

Figure 1: Ride Height Illustration



- A. Loaded Ground to Frame (GTF) Measurement
- B. Static Loaded Radius (SLR) of tire
- C. Ride Height (A - B = C)

Notes or additional options not listed

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Actual product performance may vary depending upon vehicle configuration, operation, service and other factors. All applications must comply with applicable specifications from Watson & Chalin and the respective vehicle manufacturer. Contact Watson & Chalin for additional details regarding specifications, applications, capacities, and operation, service and maintenance instructions.

Contact Watson & Chalin at 972.547.6020 for additional information.



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