

AXLES AND SUSPENSION

Axles, Chassis and Suspension

Trailer Axle (2K-7K) Owner's Manual		
Spring Axle Torque Specifications		
Bolt Type	Axle Capacity	Torque
3/8" U-Bolt Nuts	2K	35 ft-lbs
1/2" U-Bolt Nuts	3.5K	50 ft-lbs
9/16" U-Bolt Nuts	5.2K	65 ft-lbs
9/16" U-Bolt Nuts	6K-8K	90 ft-lbs
Spring Eye, Equalizer and Shackle Nuts	All Double Eye	30-50 ft-lbs
Spring Eye, Equalizer and Shackle Nuts	All Slipper	Snug nut only

Trailer Axle (2K-7K) Owner's Manual		
Torsion Axle Torque Specifications		
Axle Capacity	Bolt Size	Torque
2K Axle	1/2"	70-90 ft-lbs
3.5K-10K Axle	5/8"	120-150 ft-lbs

Trailer Axle (8K-16K) Owner's Manual		
Spring Axle Torque Specifications		
Bolt Type	Axle Capacity	Torque
9/16" U-Bolt Nuts	8K	90 ft-lbs
5/8" U-Bolt Nuts	10K	95 ft-lbs
5/8" U-Bolt Nuts	12K-16K	115 ft-lbs
Spring Eye, Equalizer and Shackle Nuts	8K Double Eye	30-50 ft-lbs
Spring Eye, Equalizer and Shackle Nuts	8K Slipper	Snug nut only
Spring Eye Nut	10K-16K Slipper	200 ft-lbs
Equalizer Nut	10K-16K Slipper	300 ft-lbs
Keeper Nut	10K-16K Slipper	Snug nut only

Trailer Axle (8K-16K) Owner's Manual		
Torsion Axle Torque Specifications		
Axle Capacity	Bolt Size	Torque
8K-10K Axle	5/8"	120-150 ft-lbs

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AXLES AND SUSPENSION

Axle Beam Replacement Manual, Axle Hub Replacement Manual,
Trailer Axle (2K-7K) Owner's Manual

Wheel Torque Specifications

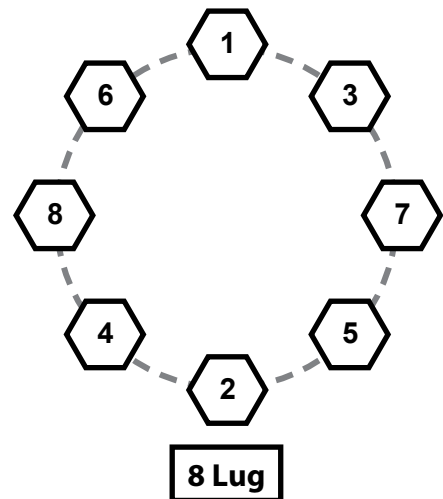
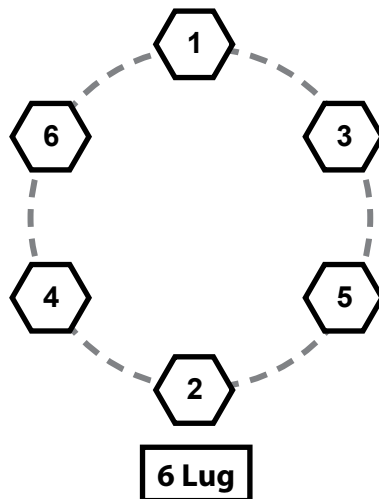
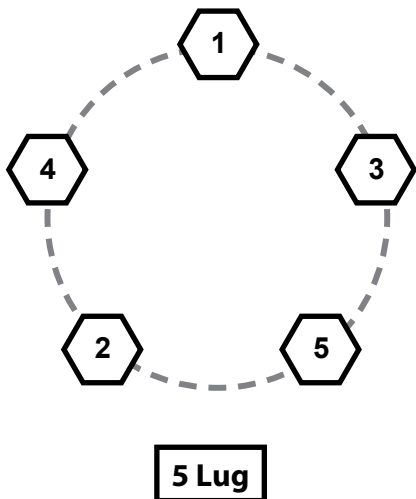
Wheel Size	Stud Size	Torque Sequence		
		1st Stage	2nd Stage	3rd Stage
14"	1/2"	20-25 ft-lbs	50-60 ft-lbs	90-120 ft-lbs
15"	1/2"	20-25 ft-lbs	50-60 ft-lbs	90-120 ft-lbs
16"	1/2"	20-25 ft-lbs	50-60 ft-lbs	90-120 ft-lbs
16.5" x 6.75"	1/2"	20-25 ft-lbs	50-60 ft-lbs	90-120 ft-lbs
16"	9/16"	20-25 ft-lbs	60-70 ft-lbs	120-140 ft-lbs
16.5" x 6.75"	9/16"	20-25 ft-lbs	60-70 ft-lbs	120-140 ft-lbs
16" Dual and 17.5" Cone Nut	5/8"	50-60 ft-lbs	100-120 ft-lbs	190-210 ft-lbs
16" Dual and 17.5" Flange Nut	5/8"	50-60 ft-lbs	150-200 ft-lbs	275-325 ft-lbs
14.5" Demount	1/2"	Tighten sequentially to 85-95 ft-lbs		

Trailer Axle (8K-16K) Owner's Manual

Wheel Torque Specifications

Wheel Size	Stud Size	Torque Sequence		
		1st Stage	2nd Stage	3rd Stage
16" Dual and 17.5" Cone Nut	5/8"	50-60 ft-lbs	100-120 ft-lbs	190-210 ft-lbs
16" Dual and 17.5" Flange Nut	5/8"	50-60 ft-lbs	150-200 ft-lbs	275-325 ft-lbs
17.5" Dual Flange Nut	M22	50-100 ft-lbs	250-300 ft-lbs	450-500 ft-lbs

Wheel Torque Sequence Patterns



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Miscellaneous Torque Specifications		
Manual	Component	Torque
Center Point AM Manual	Shackle Nuts and Bolts	30-50 ft-lbs
	Retaining Plate Bolts and Cross Bolts	30-50 ft-lbs
Correct Track AM Manual	9/16" Bolts and Nuts	30-50 ft-lbs
Correct Track OEM Manual	9/16" Bolts and Nuts	30-50 ft-lbs
Ice House Axle Install Manual	3/8" - 16 Nut and Bolt	25 ft-lbs
	9/16" Nut	30 ft-lbs
Road Armor OEM Install Manual	Equalizer and Shackle Nuts	30-50 ft-lbs
Shock Kit Aftermarket Manual	U-Bolts	90 ft-lbs
Disc Brake Service Manual	Caliper Guide Bolts	40-50 ft-lbs
Electric Brakes Owners and Service Manual	Castle Nuts	50 ft-lbs*
Trailer Axle (2K-7K) Owner's Manual	Castle Nuts	50 ft-lbs*
	Equalizer and Spring Eye Nuts	30-50 ft-lbs
Trailer Axle (8K-16K) Owner's Manual	Spindle Castle Nuts	50 ft-lbs*
	Caliper Mounting Bolts	40-50 ft-lbs
	Oil Cap	25 ft-lbs**

*Castle Nut Torque Procedure

1. Castle nut should be torqued to 50 ft-lbs. Hub will rotate during this process.
2. Loosen castle nut to back off the torque.
3. Tighten castle nut finger tight until snug.
4. Insert cotter pin. If cotter pin does not line up with hole, back castle nut up slightly until pin can be inserted.
5. Bend cotter pin over to lock nut in place. Nut should be free to move with only the cotter pin keeping it in place.

****NOTE** Over-tightening the oil cap can damage the sealing o-ring and cause an oil leak.

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Axle Beam Replacement Manual
U-Bolt Torque Guide

Axle Capacity	Torque
2K Axle	35 ft-lbs
3.5K Axle with 1/2" U-Bolt	50 ft-lbs
5.2K Axle	65 ft-lbs
6K-8K Axle	90 ft-lbs

Brake Mounting Torque Guide

Axle Capacity	Torque
2K-7K Axle	35-55 ft-lbs
8K-16K Axle	55-80 ft-lbs

Frames and Chassis

Manual	Component	Torque
2 Inch Accessory Hitch AM Manual	Nylock Nuts	85-90 ft-lbs
2 Inch Accessory Hitch OEM Manual	Nylock Nuts	85-90 ft-lbs
Flex Air Pin Box AM Manual	1/2" Bolts	110 ft-lbs
	5/8" Bolts	160 ft-lbs
	3/4" Bolts	210 ft-lbs
Lippert Chassis Manufacturing Manual	9/16" Grade 5 Spring Axle Bolts	30-50 ft-lbs
	5/8" Grade 5 Torsion Axle Bolts	120-150 ft-lbs
Straptek	1/2" Saddle Bolts	10 ft-lbs
Turning Point Pin Box Owner's Manual	5/8" Lockout Bolts	200 ft-lbs

Rota-Flex Pin Box AM Manual

Bolt Size	Grades:	
	Grade 5 Zinc	Grade 8 Flange
1/2" - 13	65 ft-lbs	80 ft-lbs
5/8" - 11	135 ft-lbs	170 ft-lbs
3/4" - 10	220 ft-lbs	280 ft-lbs

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Leveling and Stabilization

Manual	Component	Torque
Class C Hydraulic Leveling OEM Manual	1/2" Flange Nuts	52-64 ft-lbs
GC TT Leveling OCTP OEM	3/8" - 16 Flange Bolts	90 ft-lbs
GC TT Leveling OCTP AM	5/16" Nylon Lock Nuts	13 ft-lbs
	3/8" Flange Nuts	13 ft-lbs
	3/8" Flange Nuts	23 ft-lbs
GC 3.0 AM Manual	3/8" - 16 Flange Bolts	75 ft-lbs
	1/2" - 20 Flange Bolts	75 ft-lbs
GC 3.0 5th Wheel OEM Manual	1/2" - 20 Flange Bolts	90 ft-lbs
GC 3.0 OCTP OEM Manual	1/2" - 20 Flange Bolts	90 ft-lbs
Ground Control 3.0 Service Manual	1/2" - 20 Flange Bolts	90 ft-lbs
Ice House Owner's Manual	3/8" - 16 Jack Mounting Bolts	90 ft-lbs
LCI4A3LCD Hydraulic Leveling OEM Manual	1/2" - 20 Flange Nuts	90 ft-lbs
Level-Up Towable AM Manual	5/8" - 18 Grade 5 Bolts	132 ft-lbs
	1/2" - 20 Flange Bolts	52-64 ft-lbs

- Aftermarket (AM)
- Ground Control (GC)
- Travel Trailer (TT)
- OneControl TouchPad (OCTP)
- Lippert 4-Aluminum Jacks 3-Valve LCD TouchPad (LCI4A3LCD)

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Power and Motion

Manual	Component	Torque
EuroLoft Bed Lift Components Assembly Manual	#8 15 x 1" Phillips Pan Head Screw	14 ft-lbs

Slide-Outs and Steps

Manual	Component	Torque
SlimRack® Slide-out Programming Installation and Service Manual (3010002588)	Motor Retaining Screw	40 in-lbs
	Mounting Flanges with #10 Button Screws	40-50 in-lbs
SlimRack® Slide-out Programming Installation and Service Manual (3010002813)	Motor Retaining Screw	40 in-lbs
	Mounting Flanges with #10 Button Screws	40-50 in-lbs
Alumi-Tread Step OEM Manual	3/8" - 16 Grade 2 Bolts	20 ft-lbs

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