

OPERATION AND MAINTENANCE MANUAL
FAST Global Solutions, Inc.
LD-3/LD-4 Container Trailer
Model No. A02538D

FAST GLOBAL SOLUTIONS, INC. RECORD OF REVISIONS

REV.	ISSUE	DATE	BY	REV.	ISSUE	DATE	BY
NO.	DATE	INSERTED		NO.	DATE	INSERTED	

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WARRANTY

FAST Global Solutions, Inc. warrants, to the original purchaser only, each of its new products to be free from defects in material and workmanship under normal and recommended use and service, subject to the conditions and qualifications herein set forth. The obligation of **FAST Global Solutions, Inc.** hereunder is limited to the repair or replacement of those parts which **FAST Global Solutions, Inc.**, at it's sole discretion, determines to have failed as a result of defects in material or workmanship within a period of twelve (12) months after the date of purchase.

No warranty of any kind, statutory implied or other wise is made or shall be imposed upon **FAST Global Solutions, Inc. with respect to:**

1. Second-hand parts or components.

2. New parts or components which, after shipment from the factory of it's origin, have been subject to operation in excess of the recommended capacities, misuse, negligence, or accident, or have been altered or repaired in any manner not authorized by **FAST Global Solutions, Inc..**

3. Tires, batteries, motors, electrical controls, etc. except that **FAST Global Solutions, Inc. agrees to make available to the first user whatever Warranty benefits may be made available to **FAST Global Solutions Inc.** for these purchased components.**

This warranty does not apply to failures resulting from the use of attachments not sold or approved by **FAST Global Solutions, Inc.**

FAST Global Solutions, Inc. will repair, or at it's option replace any part of its new products which under normal use and service fail to conform to this Warranty, providing that such part shall be returned to **FAST Global Solutions, Inc.** or to an Authorized Representative or Dealer of **FAST Global Solutions, Inc.** transportation charges prepaid.

This Warranty is express in lieu of any other Warranties, expressed or implied, including any Warranty of merchantability or fitness for a particular purpose.

This Warranty shall immediately become void if any service other than normal maintenance, is performed by anyone other than an authorized **FAST Global Solutions, Inc. Representative or Dealer; or if any alteration or modification is made without the prior consent of **FAST Global Solutions, Inc.**, or if, in the sole discretion of **FAST Global Solutions, Inc.**, the failure is due to abuse or neglect in the operation or maintenance of the product due to failure to follow the provisions set forth in the Operator's Manual.**

For Warranty Help Call 1-320-634-5126 Ask For Warranty Department.

**Warranty
Page 5**

SPECIFICATIONS

Weight.....	1755 LBS.
Overall Length	169"
Frame Length.....	112"
Roller Bed Length.....	97.25"
Rollers	2-1/2" Dia., Sealed Ball Bearing
Overall Width.....	69.5"
Overall Height.....	25"
Bed Height	20-1/4" NOM.
Container Stops.....	Ramp On, Manual Off
Steering	Double Ackerman
Brakes	Manual Parking Towbar Actuated
Rear Hitch	Pintle Hook
Tie Rod Ends	Spherical Rod End Type
Tires	4.00 x 8 Solid
Axle Knuckles.....	1-1/2" Dia. with Timken Bearings
Hubs	5 Bolt, 4-1/2" B.C. with 1-3/8" and 1-1/16" Bearings
Towbar.....	42" with 3" I.D. Lunette

INTRODUCTION

This manual contains specifications, operation, maintenance, and parts ordering information.

Throughout this manual, the use of the terms Left, Right, Front, and Rear must be understood to avoid confusion. Left and Right indicate the left and right sides of the trailer when facing the rear hitch of the trailer.

When ordering parts, always specify the trailer Serial No. which is stamped on the nameplate attached to the front end of the trailer.

OPERATION

Parking Brake:

The trailer is equipped with a manual towbar actuated parking brake. To activate the parking brake, raise the towbar to the vertical position until it latches.

To release the parking brake, step down on the parking brake latch while pushing in on the top of the towbar. When the towbar unlatches, lower it and release the latch.

Rear Hitch:

The trailer is equipped with a pintle-type rear hitch to facilitate towing in trains.

Container Stops:

To lower container stops, pull stop handle up into the vertical position until stops are fully latched down.

To raise container stops, push down on stop handles until stops are released.

Vertical Restraints:

The trailer is equipped with movable vertical restraints to facilitate fork lifting of containers. Both restraints will retract when either one is pulled out. Likewise, when either restraint is pushed back into position, both restraints will move back.

MAINTENANCE

Tires:

If replacement is necessary, lifting the trailer, removing the five lug nuts, and sliding the tires off can remove the tires.

Hubs:

The wheel hub bearings have been packed at the factory with wheel bearing grease. Every six months, the hubs should be lubed through the grease zerks provided in the hubs.

Vertical Spindle Housing:

The spindle housing bearings have been packed at the factory. Further lubrication should only be necessary if the bearings are removed, or disassembled for repairs. At this time, the bearings should be cleaned and repacked. Zerks are provided if periodic greasing is desired.

Parking Brake:

To adjust the parking brakes for proper tension, loosen the jam nut and turn the hex nut on the adjustment end of the brake cables. Re-tighten the jam nut.

Lug Nuts:

Lug nuts should be retorqued to 100 ft./lbs. every thirty (30) days.

Container Stops:

To adjust container stops remove short walkway. Loosen jam nut on the actuator rod and remove 5/16" bolt and 1/2" roll pin from it. Turn actuator rod, adjusting it to the proper tension, then reassemble, remembering to tighten jam nut.

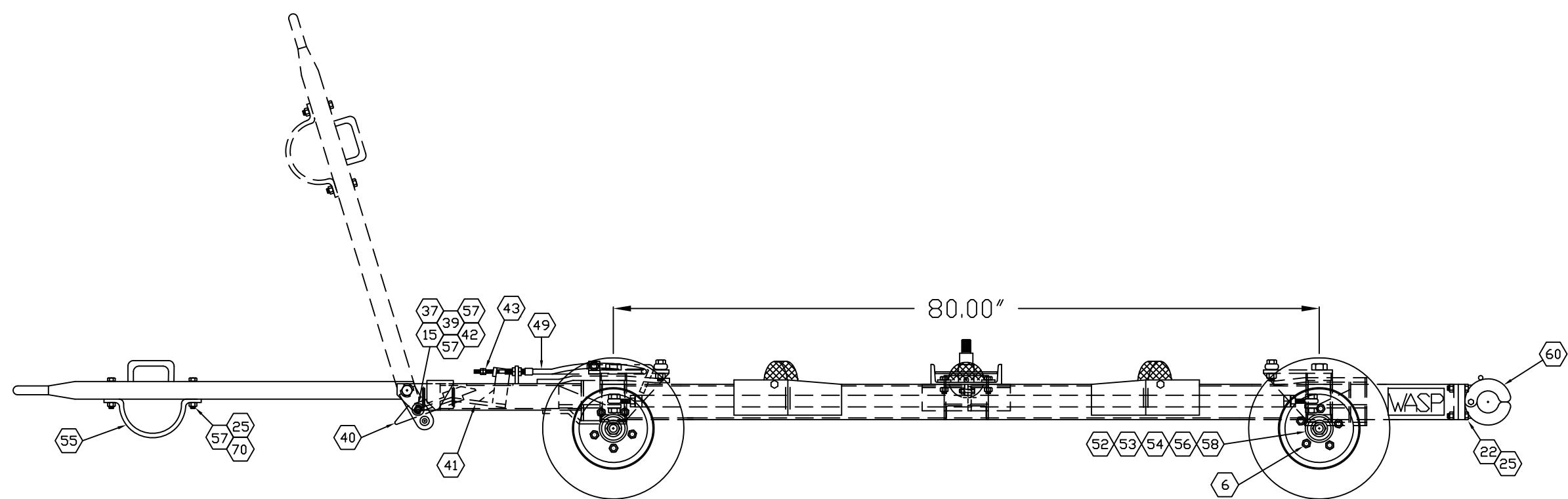
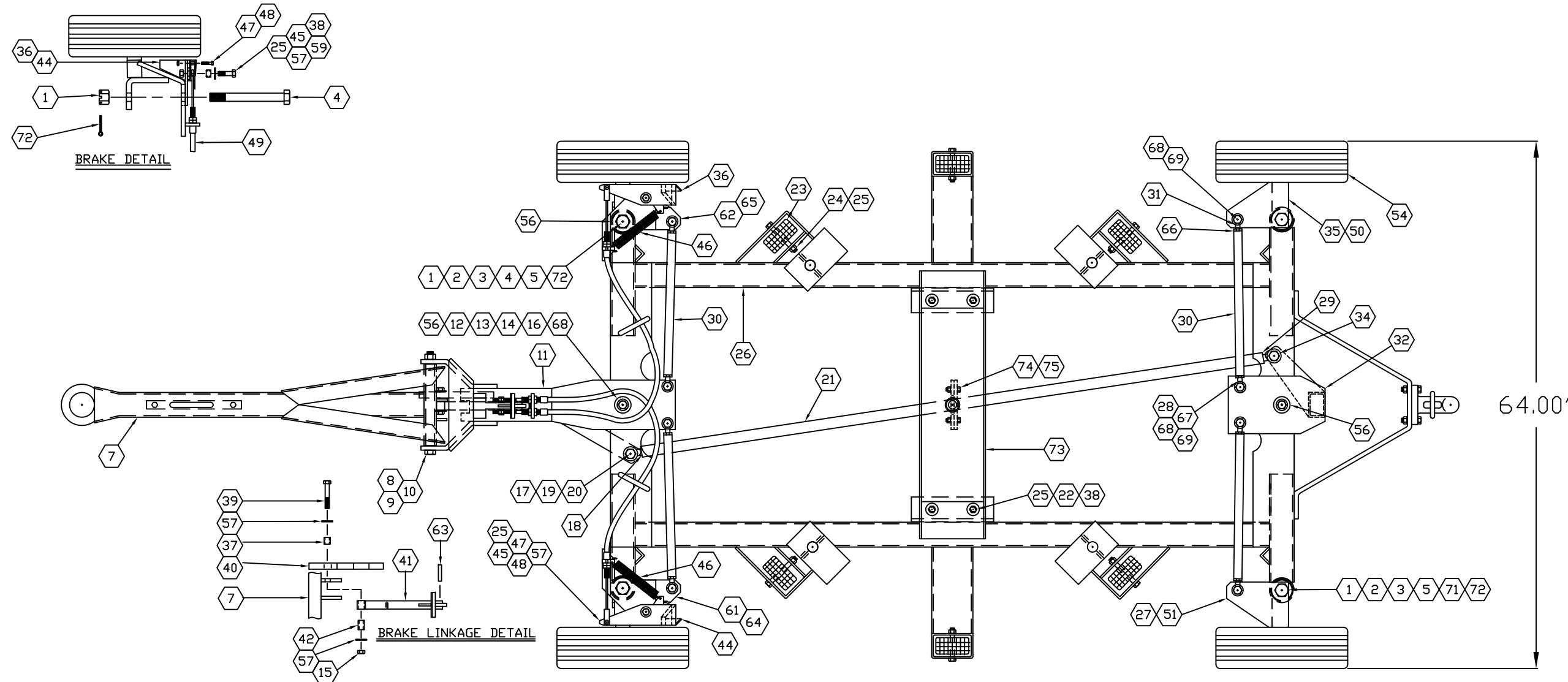
Rear Hitch:

For proper performance, every 3 months perform the following.

- A. Clean and check for proper operation. Inspect for worn, damaged or missing parts. Replace as required using only FAST Global Solutions, Inc. parts.
- B. Torque 1/2" nuts to 110 ft.-lbs.

ILLUSTRATED PARTS LIST

The following illustration and parts list should be used to order parts for repairs. When ordering parts, match the item number in the illustration with the item number on the parts list, and then order using the part number following the item number in the parts list.

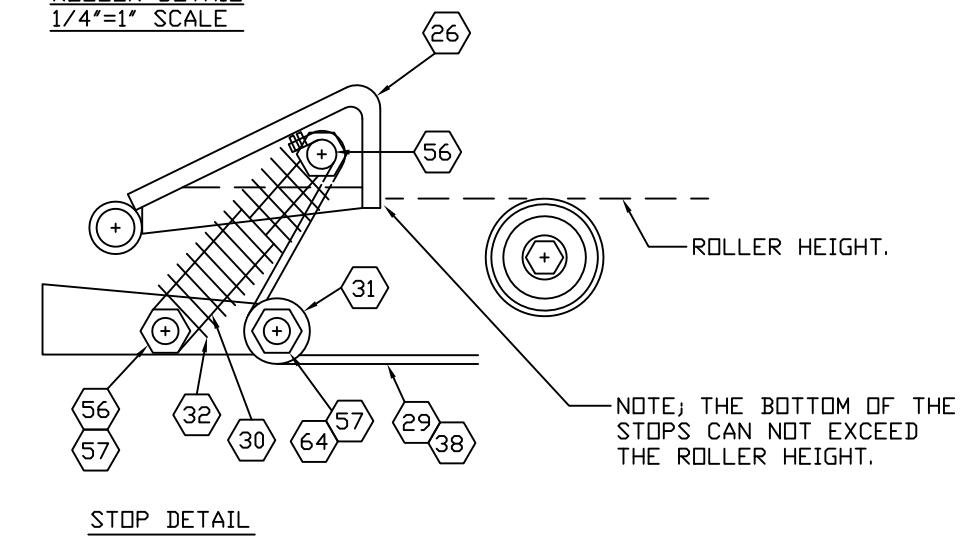
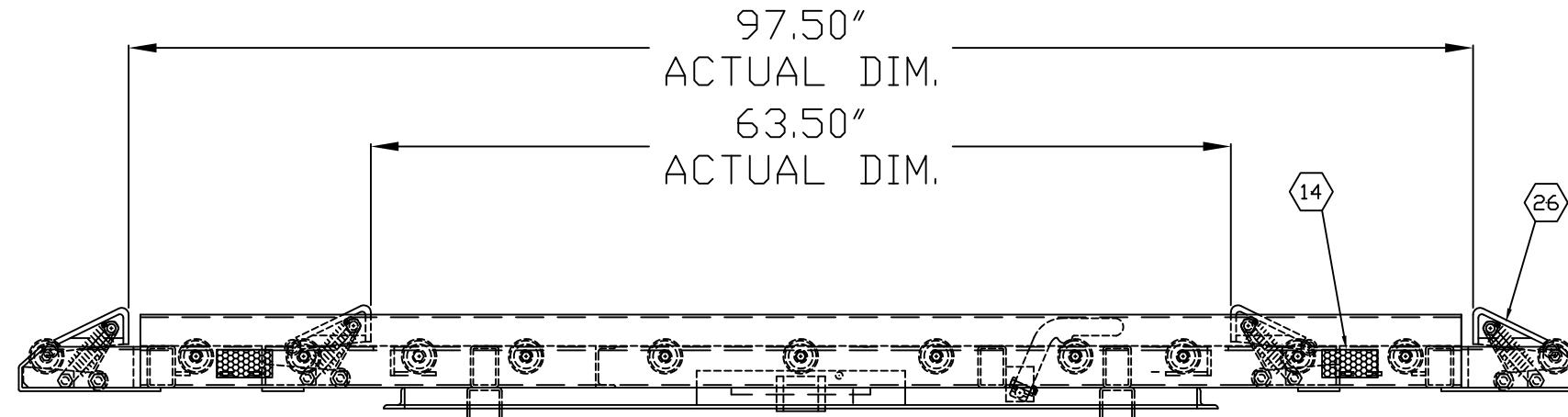
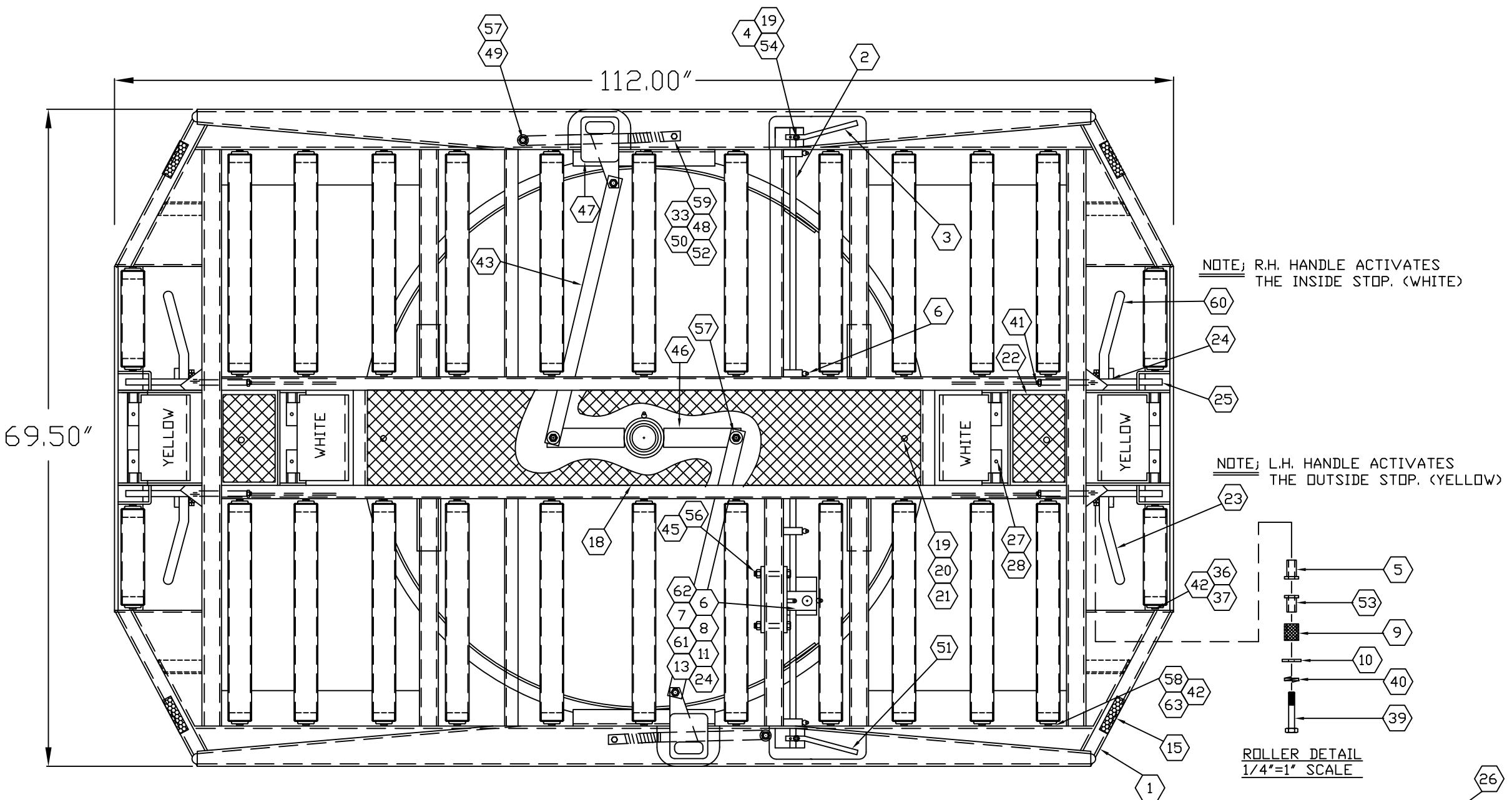


RUNNING GEAR PARTS LIST

ITEM	QTY.	PART #	DESCRIPTION
R	1	4	H001149 1" NF Hex Slotted Nut
	2	8	P001465A Spacer Bushing
	3	8	H001039 Bearing Cup
R	4	2	P055873A Mod. Capscrew
	5	8	H001038 Bearing Cone
R	6	REF.	H001982 1/2" NF HD Lug Nut
	7	1	W002860B Towbar Weldment
R	8	1	P059145A Mod. Capscrew
R	9	1	H001051 3/4" NC Nylok Nut
	10	1	P001008A Spanner Bushing
	11	1	W003849B Tongue Weldment
	12	2	W002582A King Pin Weldment
	13	4	H001042 Bearing Fiberglide
	14	2	H001079 5/8" Flat Washer
R	15	1	H002714 1/2" NC Nylok Hex Jam Nut
	16	2	H001394 5/8" NC x 7" Lg. Capscrew
	17	2	H001050 3/4" NC x 2" Lg. Capscrew
	18	1	H001067 3/4" NF RH Jam Nut
R	19	2	H004942 3/4" NC Nylok Hex Jam Nut
	20	1	H001848 Spherical Rod End RH
	21	1	W002275A Long Tie Rod Weldment
R	22	4	H001853 1/2" NC x 1-3/4" Lg. Capscrew, GR 8
	23	6	H001874 Roller Assembly
R	24	6	H001025 1/2" NC x 4" Lg. Capscrew
R	25	14	H001001 1/2" NC Nylok Nut
	26	1	W003228D See Running Gear Weldment Page
	27	REF.	W003842A RH Spindle Assembly
	28	4	H005063 Spherical Tie Rod End LH, 5/8"
	29	1	H001092 3/4" NF LH Jam Nut
	30	4	P054087A Tie Rod Tube
	31	4	H005062 Spherical Tie Rod End RH, 5/8"
	32	1	W003847A Bell Crank Weldment
	33	4	H001100 4.00 x 8 Solid Tire
	34	1	H001847 Spherical Rod End LH
	35	REF.	W003843A LH Spindle Weldment
	36	1	W003026A RH Brake Flat Weldment
	37	1	P001566A Stop Spacer
R	38	2	H002306 1/2" x 1/4" THK Washer
	39	1	H001126 1/2" NC x 3" Lg. Capscrew
R	40	1	P055996B Towbar Latch

RUNNING GEAR PARTS LIST (Cont.)

ITEM	QTY.	PART #	DESCRIPTION	
41	1	W211383A	Cable Brake Linkage	
42	1	P009970A	Brake Link Bushing	
43	4	H001403	3/8"-24 NF Nut	
44	1	W003025A	LH Brake Flat Weldment	
45	2	P009210A	Brake Bushing	
46	2	H004580	Brake Return Spring	
47	2	H001257	1/4" NC x 1-1/4" Lg. Capscrew	
48	2	H001027	1/4" NC Nylok Nut	
49	2	H003744	Orscheln Brake Cable	
R	50	1	A002539A	LH Hub and Spindle Assembly
R	51	1	A002540A	RH Hub and Spindle Assembly
	52	REF.	P002022A	Mod. Nut
R	53	REF.	H001091	Hub Assembly
R	54	4	A001782A	Rim Assembly
R	55	1	P002291A	Toe Guard
R	56	7	H001296	3/16" Drive Zerk
R	57	5	H001066	1/2" Flat Washer
	58	REF.	H001005	1/8" x 2" Lg. Cotter Pin
R	59	2	H001053	1/2" NC x 2" Lg. Capscrew
	60	1	H001158	Pintle Hitch
	61	1	A002541A	LH Hub and Spindle Assembly
	62	1	A002542A	RH Hub and Spindle Assembly
R	63	1	H001085	3/8" x 2" Lg. Roll Pin
R	64	1	W003845A	LH Spindle Weldment
R	65	1	W003844A	RH Spindle Weldment
R	66	4	H002648	5/8" NF RH Jam Nut
R	67	4	H002676	5/8" NF LH Jam Nut
R	68	10	H002716	5/8" NC Nylok Jam Nut
R	69	8	H003048	5/8" NC x 2-1/4" Lg. Capscrew
R	70	2	H001002	1/2" NC x 3-1/4" Lg. Capscrew
R	71	2	P055872A	Mod. Capscrew
R	72	4	H001148	3/16" x 1-1/2" Lg. Cotter Pin
R	73	REF.	A003301B	Turntable Pivot Assembly
R	74	REF.	H001073	3/8" UNC x 1 1/2" Capscrew
R	75	REF.	H001010	3/8" UNC Nylok Nut

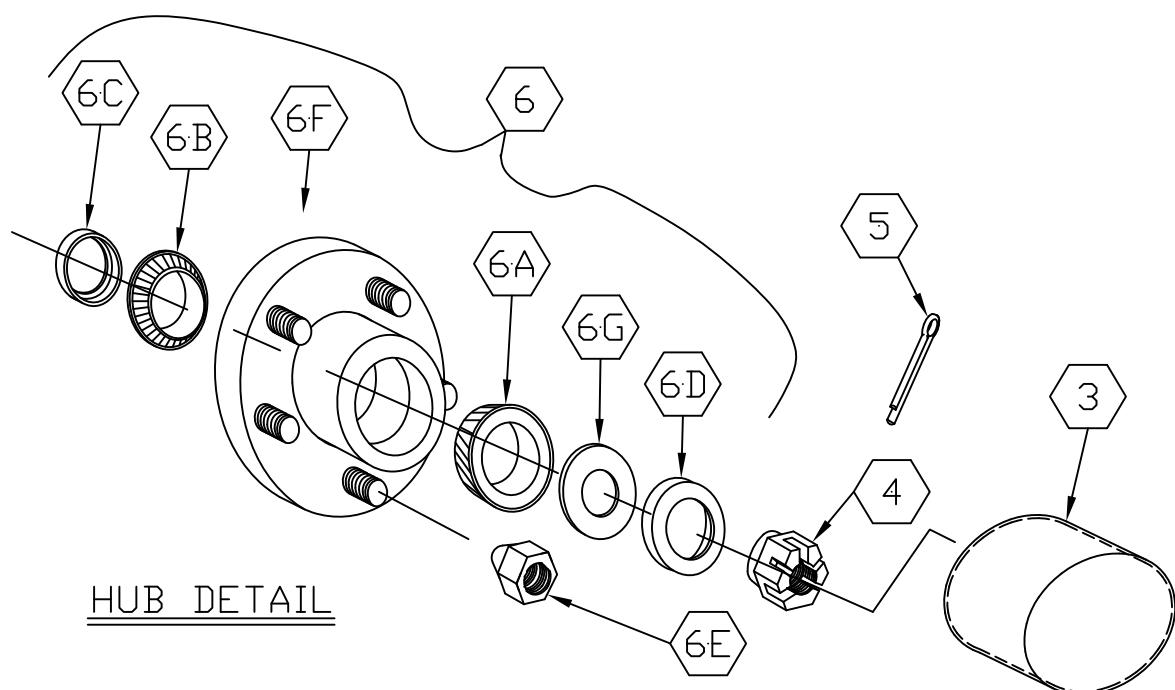
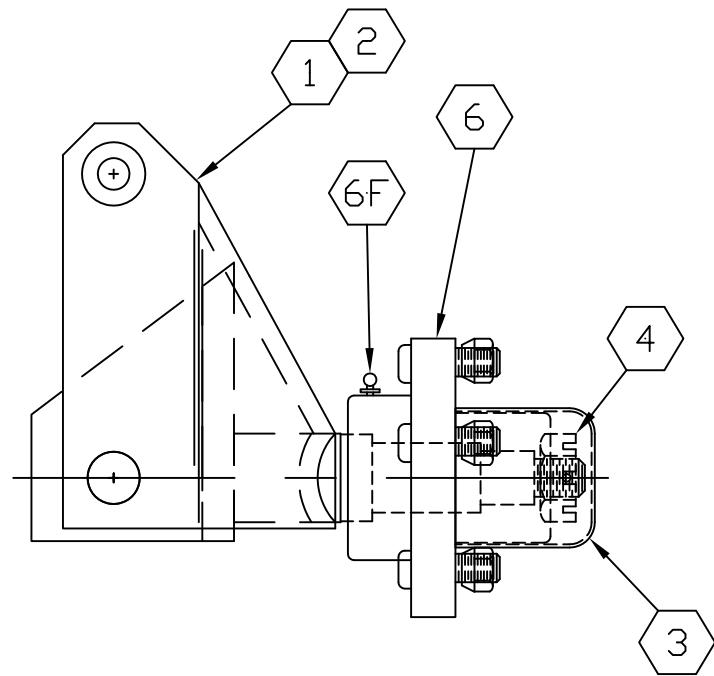


DECK ASSEMBLY PARTS LIST

ITEM	QTY.	PART #	DESCRIPTION
R 1	1	W006714D	Deck Weldment
R 2	1	P006302A	Shaft Lock
R 3	1	P068416A	RH Handle Latch
R 4	2	H002202	5/16" NC x 1-3/4" Lg. Capscrew, GR 8
R 5	4	P009829A	Roller Bushing Spacer
R 6	7	H001076	1/4"-28 x 90 deg. Grease Zerk
R 7	1	W001796A	Pin Weldment
R 8	1	W001861A	Latch Arm Weldment
R 9	4	P009294A	Stainless Steel Sleeve
R 10	4	H001023	1/4" Flat Washer
R 11	1	P009531A	Compression Spring
R 12	--	---	---
R 13	1	H001856	1/4" x 2" Lg. Roll Pin
R 14	4	H004502	Reflector, Rect. White
R 15	4	H004507	Reflector, Rect. Red
R 16	--	---	---
R 17	--	---	---
R 18	1	P006682A	Gripstrut Walkway
R 19	6	H001145	5/16" NC Nylok Nut
R 20	4	H001890	5/16" NC x 2-1/2" Lg. Carriage Bolt
R 21	4	H001891	Gripstrut Anchor
R 22	2	P006703A	Gripstrut Walkway
R 23	2	W002305B	LH Stop Handle Weldment
R 24	5	H001855	3/16" x 1-1/4" Lg. Roll Pin
R 25	4	P006739A	Actuator Rod
R 26	4	W002293B	Stop Weldment
R 27	8	P006689A	Stop Pivot Pin
R 28	8	H001633	1/4" x 1-1/4" Lg. Roll Pin
R 29	2	A001646A	Short Stop Cable Assembly
R 30	4	W002576A	Plunger Weldment
R 31	4	H002087	1/2" ID x 1/2" Wide x 1-1/2" OD Sheave
R 32	4	P006713A	Compression Spring
R 33	2	W002680A	Spring Trunion Weldment
R 34	--	---	---
R 35	--	---	---
R 36	4	P006712A	Hex Shaft
R 37	4	A001645A	Roller Assembly
R 38	2	A001647A	Long Stop Cable Assembly
R 39	4	H001316	5/16" NC x 2" Lg. Capscrew
R 40	4	H002205	5/16" Lock Washer

DECK ASSEMBLY PARTS LIST (Cont.)

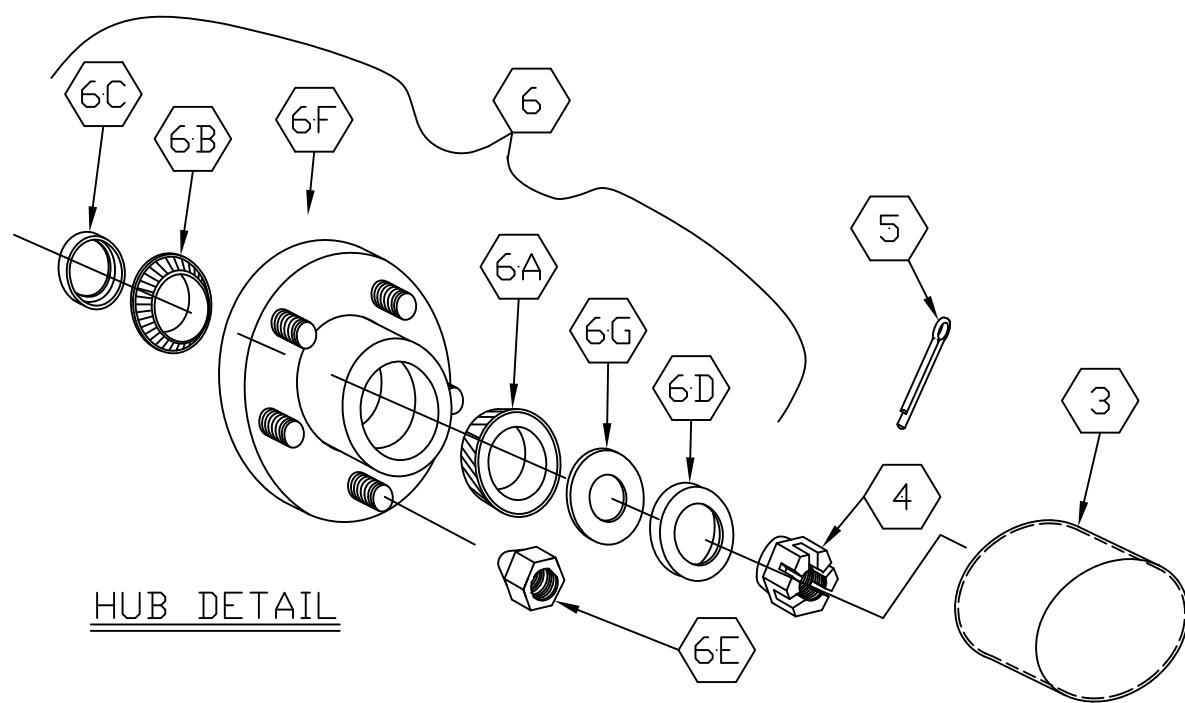
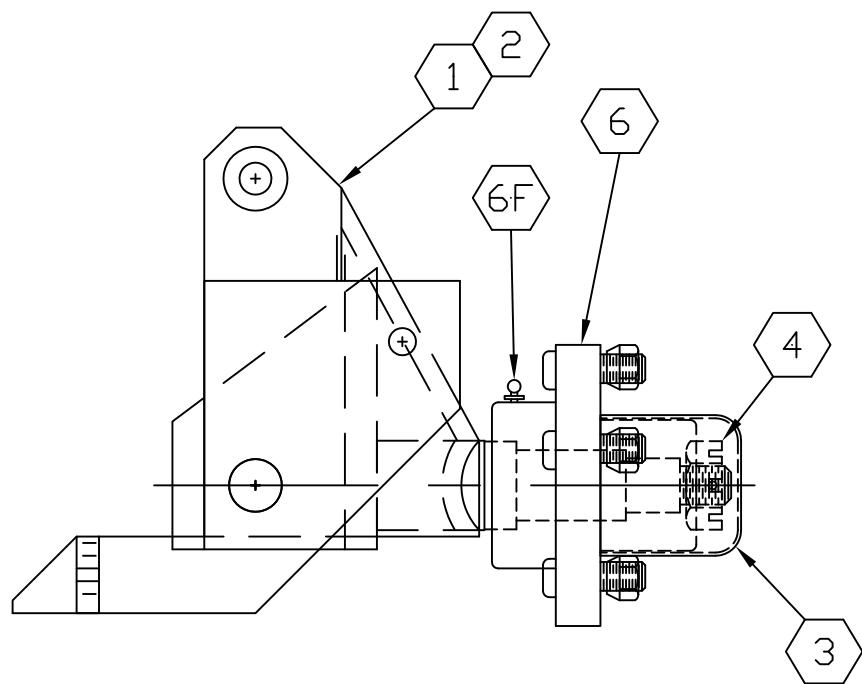
ITEM	QTY.	PART #	DESCRIPTION
R 41	4	H001667	1/2" NC Jam Nut
R 42	26	H001148	3/16" x 1-1/2" Lg. Cotter Pin
R 43	2	P008455A	Link Flat
R 44	--	---	---
R 45	--	---	---
R 46	1	W002655B	Bell Crank Weldment
R 47	2	W002654B	Container Restraint Weldment
R 48	2	H003455	Spring
R 49	2	H001388	1/2" NC x 6" Lg. Capscrew
R 50	2	H002994	3/8" NC x 6" Lg. Capscrew
R 51	1	P068415A	LH Latch Handle
R 52	2	P008473A	Spring Socket
R 53	4	P201405A	Oilite Flange Bearing
R 54	2	H001855	3/16" x 1-1/4" Lg. Roll Pin
R 55	--	---	---
R 56	16	H001111	1/2" NC x 3-1/2" Lg. Capscrew
R 57	30	H001001	1/2" NC Nylok Nut
R 58	22	A001610A	Roller Assembly
R 59	2	H001010	1/2" NC Nylok Nut
R 60	2	W002306B	RH Stop Handle Weldment
R 61	1	H001164	1" ID 14 GA Machinery Bushing
R 62	1	W007541A	Guide Block Weldment
R 63	22	P006323A	Hex Shaft
R 64	4	H001053	1/2" NC x 2" Lg. Capscrew



REAR HUB & SPINDLE ASSEMBLY PARTS LIST

	ITEM	QTY.	PART #	DESCRIPTION
R	1	1	W003842A	RH Spindle Assembly
	2	1	W003843A	LH Spindle Assembly
	3	1	H005310	1.81" OD x .765" ID 9 GA. Washer
	4	1	P002022A	Mod. Nut
	5	1	H001005	1/8" x 2" Lg. Cotter Pin
	6	1	H001091	Hub Assembly
	6A	1	H001977	Bearing Cone
R	6B	1	H001978	Bearing Cone
R	6C	1	H001980	Grease Seal
R	6D	1	H001979	Grease Seal
R	6E	5	H001982	Lug Nut
R	6F	1	H001296	3/16" Str. Drive Grease Zerk
R	7	1	H006212	Dust Cover

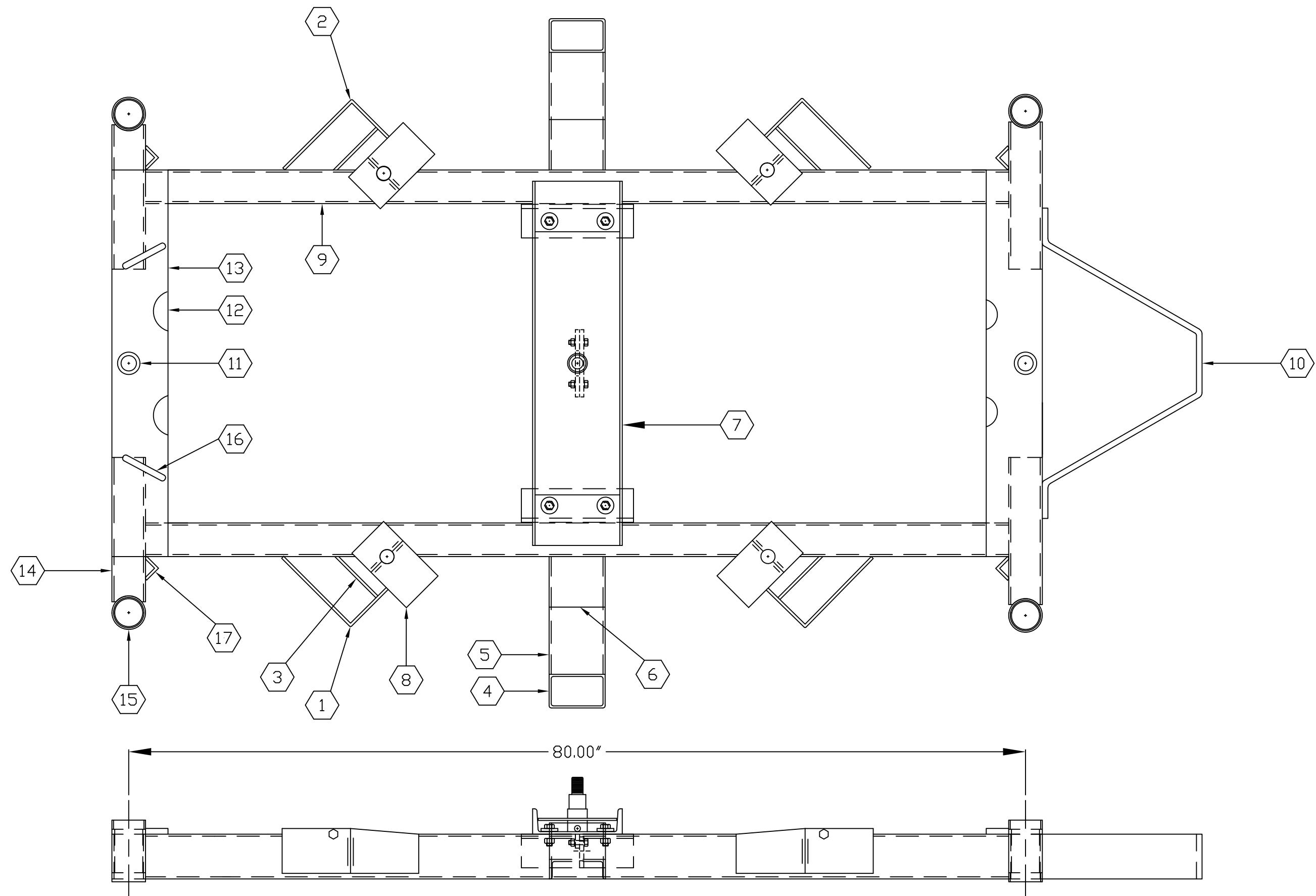
NOTE: Complete assembly can be ordered by part number A002539A LH or A002540A RH.



FRONT HUB & SPINDLE ASSEMBLY PARTS LIST

	ITEM	QTY.	PART #	DESCRIPTION
R	1	1	W003844A	RH Spindle Assembly
	2	1	W003845A	LH Spindle Assembly
	3	1	H005310	1.81" OD x .765" ID 9 GA. Washer
	4	1	P002022A	Mod. Nut
	5	1	H001005	1/8" x 2" Lg. Cotter Pin
	6	1	H001091	Hub Assembly
	6A	1	H001977	Bearing Cone
R	6B	1	H001978	Bearing Cone
R	6C	1	H001980	Grease Seal
R	6D	1	H001979	Grease Seal
R	6E	5	H001982	Lug Nut
R	6F	1	H001296	3/16" Str. Drive Grease Zerk
R	7	1	H006212	Dust Cover

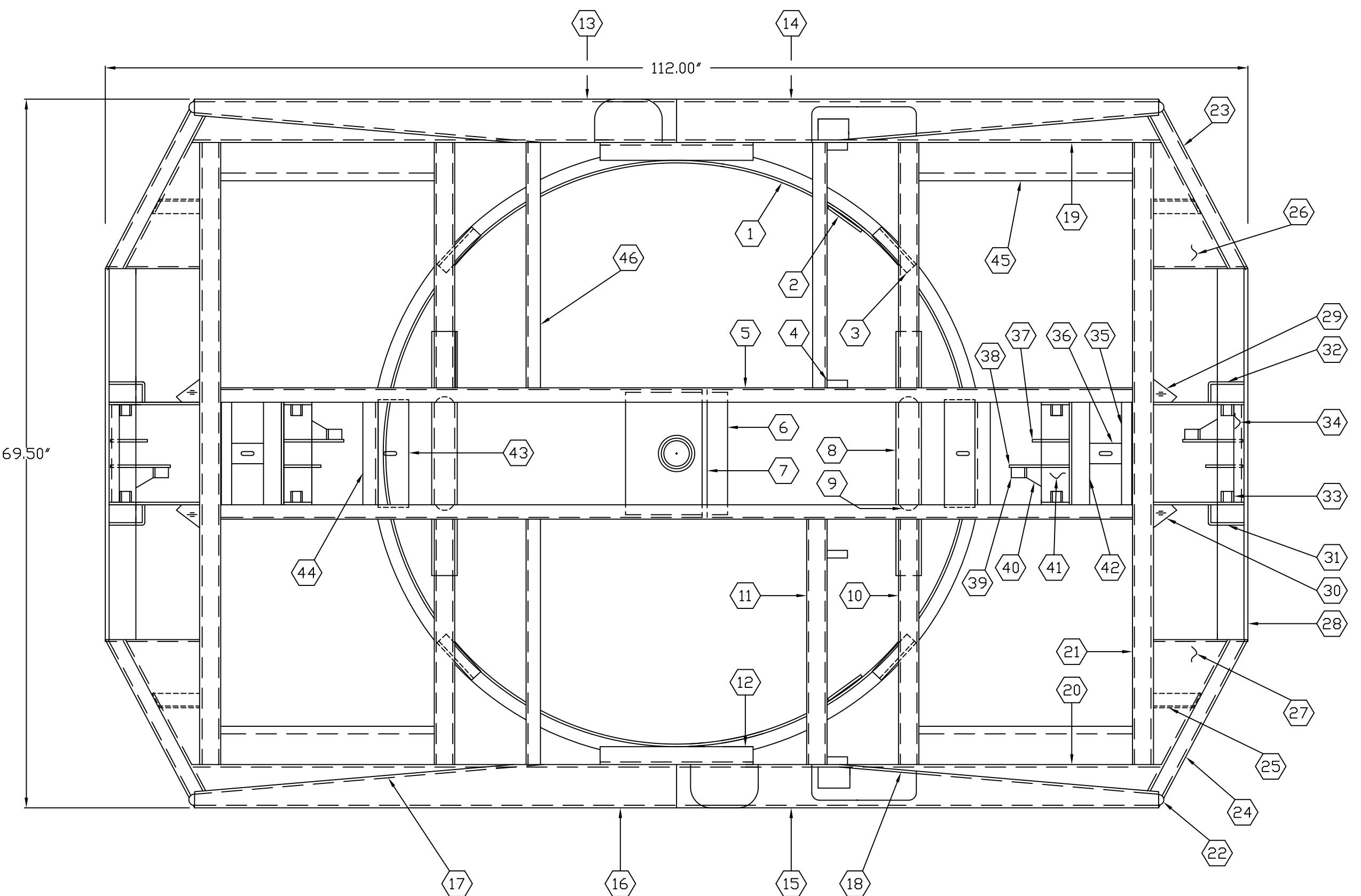
NOTE: Complete assembly can be ordered by part number A002541A LH or A002542A RH.



RUNNING GEAR WELDMENT PARTS LIST

ITEM	QTY.	PART #	DESCRIPTION
R 1	2	P006407A	LH Roller Mounting Flat
R 2	2	P006408A	RH Roller Mounting Flat
R 3	4	P006411A	Roller Flat
R 4	2	P009323A	Tube
R 5	2	P009322A	Channel
R 6	2	P009325A	Gusset
R 7	1	A003301B	Turntable Pivot Assembly
R 8	4	P006412A	Lock Flat
R 9	2	P006485A	Stringer Tube
R 10	1	P006491A	Hitch Mount
R 11	2	P002189A	Hub Center
R 12	2	P006659A	Axle Flat
R 13	2	P006414A	Axle Flat
R 14	4	P006410A	Axle Tube
R 15	4	P002188A	Axle Hub
R 16	2	P009326A	Brake Cable Support
R 17	4	P007829A	Steering Stop
R 18	--	---	---
R 19	--	---	---
R 20	--	---	---

NOTE: Complete assembly can be ordered by part number W003228D.



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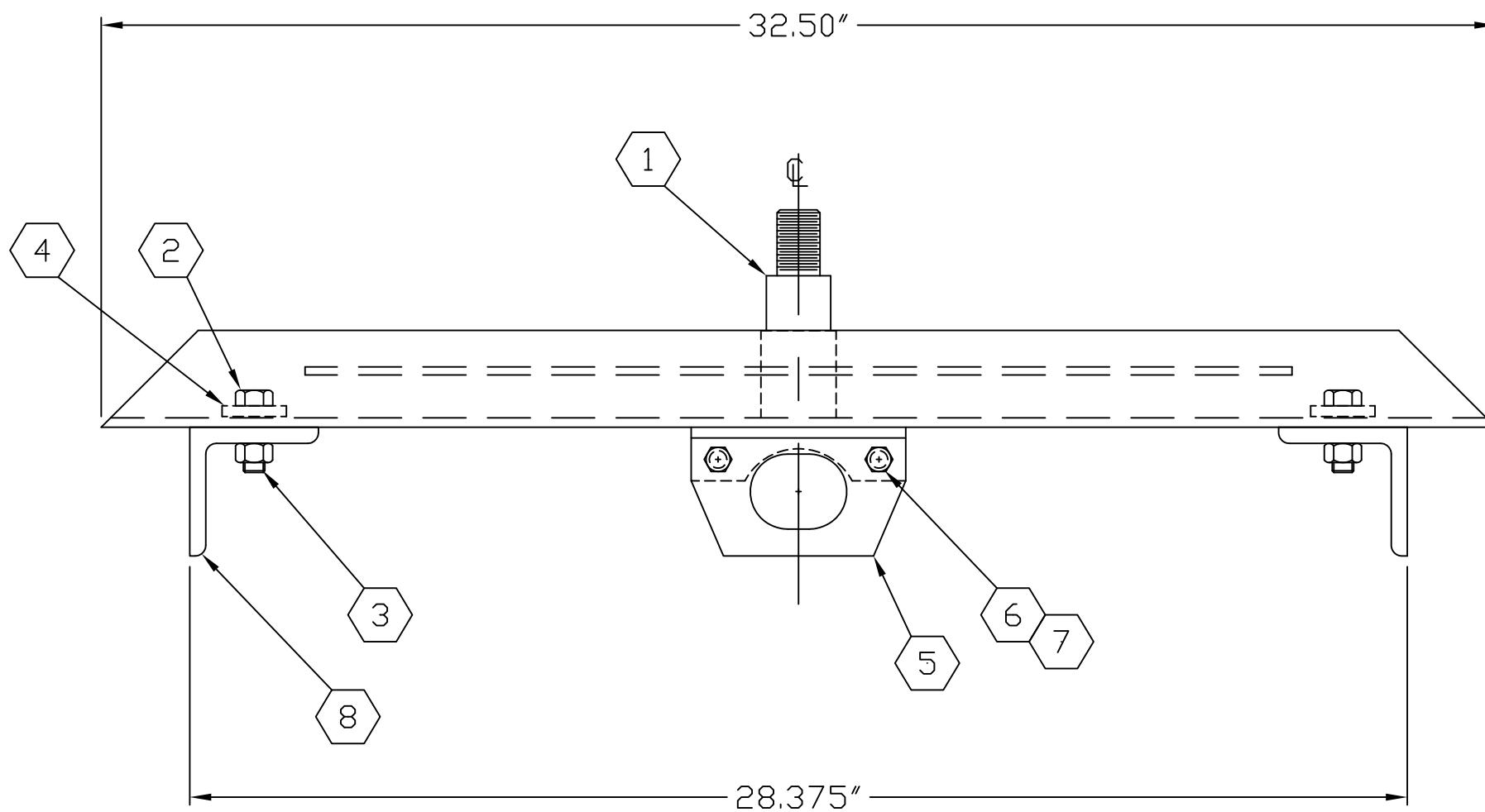
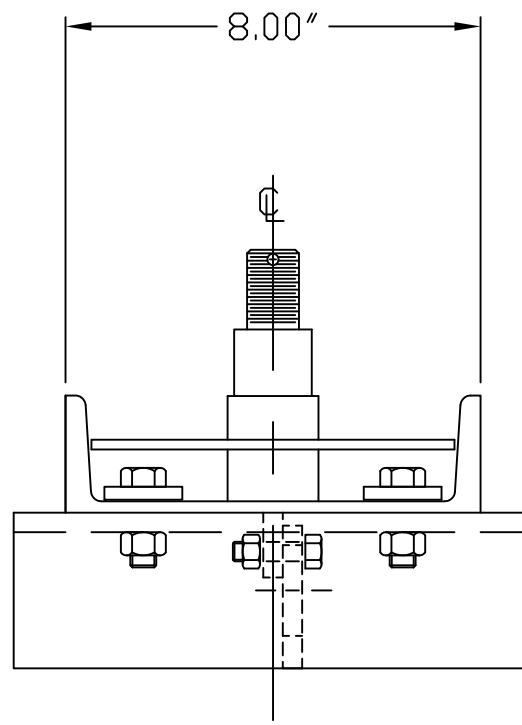
DECK WELDMENT PARTS LIST

ITEM	QTY.	PART #	DESCRIPTION
R	1	P004517B	Ring Angle
	2	P006760A	Reinforce Flat
	3	P053602A	Support Angle
	4	P004499A	Guide Block
	5	P006563B	Roller Channel
	6	W002319A	Center Pivot Weldment
	7	P006714A	Support Round
	8	P006763A	Reinforce Tube
	9	P006715A	Cable Guide
	10	P006650A	Cross Tube
	11	P009318A	Pin Mount Tube
	12	P006681A	Support Flat
	13	P008459B	LH Side Frame
	14	P008460B	RH Side Frame
	15	P008461B	LH Side Frame
	16	P008462B	RH Side Frame
	17	P008463A	Short Guide Flat
R	18	P008464A	Long Guide Flat
	19	P008467B	RH Roller Angle
	20	P008468B	LH Roller Angle
	21	P006639A	End Frame Tube
	22	P006572A	Guide Round
	23	P006672A	RH Corner Frame
	24	P006673A	LH Corner Frame
	25	P053969A	Support Channel
	26	P006632B	RH Corner Sheet
	27	P006633B	LH Corner Sheet
	28	P006665B	End Angle
	29	P006744A	RH Slider Flat
	30	P006745A	LH Slider Flat
	31	P006753A	LH Roller Mount
	32	P006754A	RH Roller Mount
	33	P006688A	Stop Mount Tube
	34	P006697A	Stop Angle
	35	P006705A	Walkway Rest Flat
	36	P006855A	Walkway Mount Flat
	37	P006698A	Gusset Flat
	38	P006699A	Roller Mount
	39	P006706A	Cable Keeper
	40	P007624A	Gusset Flat

DECK WELDMENT PARTS LIST (Cont.)

ITEM	QTY.	PART #	DESCRIPTION
	41	2	P006700A Stop Mount Flat
	42	2	P006710A Gripstrut Support Angle
	43	2	P006574A Gripstrut Support Flat
	44	2	P006701A Stop Restraint Angle
R	45	4	P054741A Fender
R	46	3	P054719A Support Channel

NOTE: Complete assembly can be ordered by part number **W002657L**.



TURNTABLE PIVOT ASSEMBLY PARTS LIST

ITEM	QTY.	PART #	DESCRIPTION
1	1	W004754B	Turntable Pivot Weldment
2	4	H001853	1/2" NC x 1-3/4" Lg. Capscrew, GR 8
3	4	H001001	1/2" NC Nylok Nut
4	4	H002306	1-1/2" x 9/16" x 1/4" THK Washer
5	1	P055465A	Rod Support Flat
6	2	H001073	3/8" NC x 1-1/2" Lg. Capscrew
7	2	H001010	3/8" NC Nylok Nut
8	2	P055464A	Pivot Mount Angle

NOTE: Complete assembly can be ordered by part number A003301B.

FAST GLOBAL SOLUTIONS, INC.

**20631 STATE HWY. 55 - P.O. BOX 249
GLENWOOD, MN 56334
320-634-5886**

NOTES