



PARTS MANUAL

No Ramp Trailer

Parts Manual

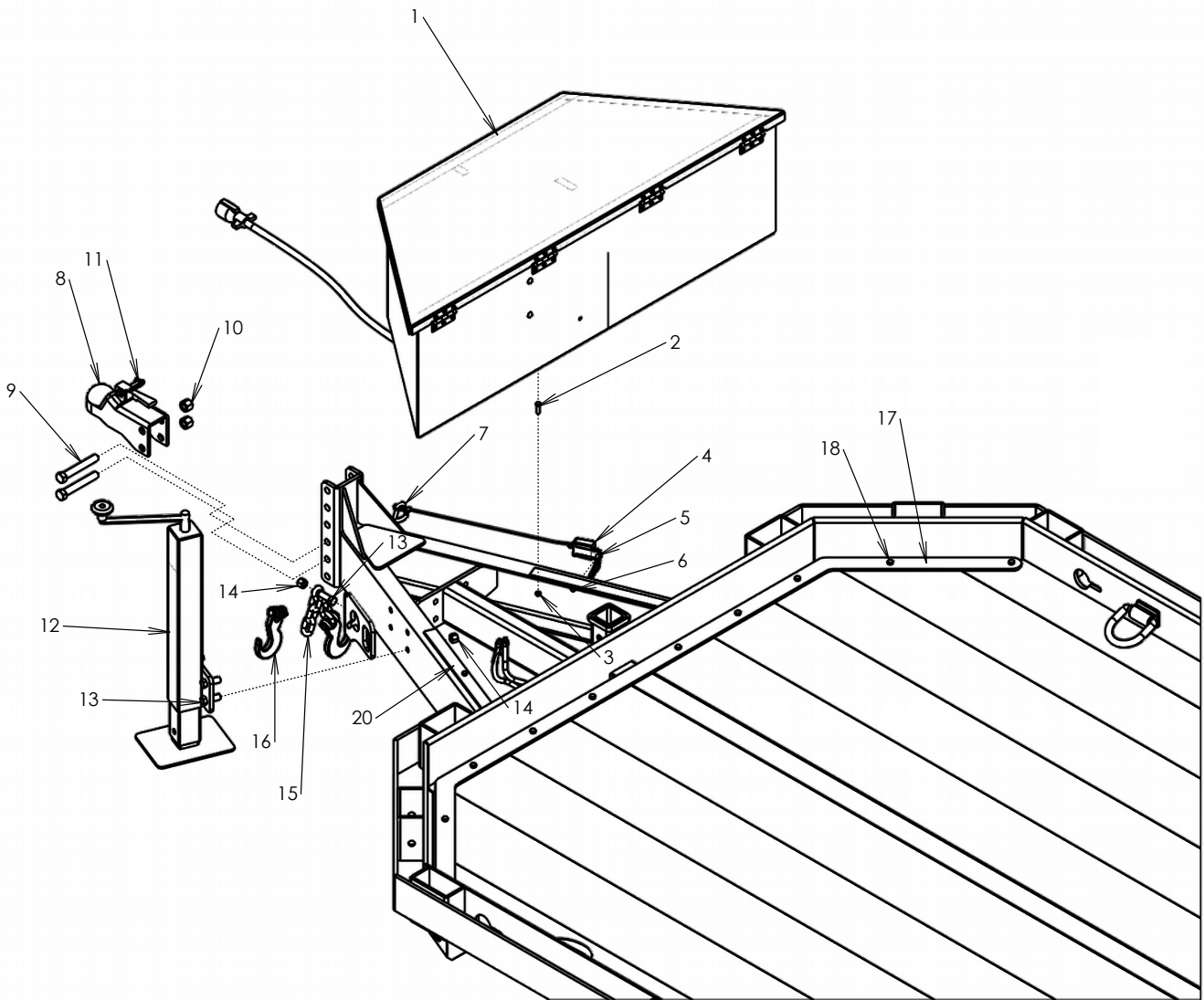
NoRamp Trailer

Kemco Manufacturing, LLC
317 E. Plymouth Street
Bremen, IN 46506

No Ramp Trailers and Kemco Manufacturing, LLC are committed to improvements in design. As a result, images shown in this document are representative only and appearances may be changed without notice. Service parts which differ in appearance will perform the same, or improved, function as previous designs.

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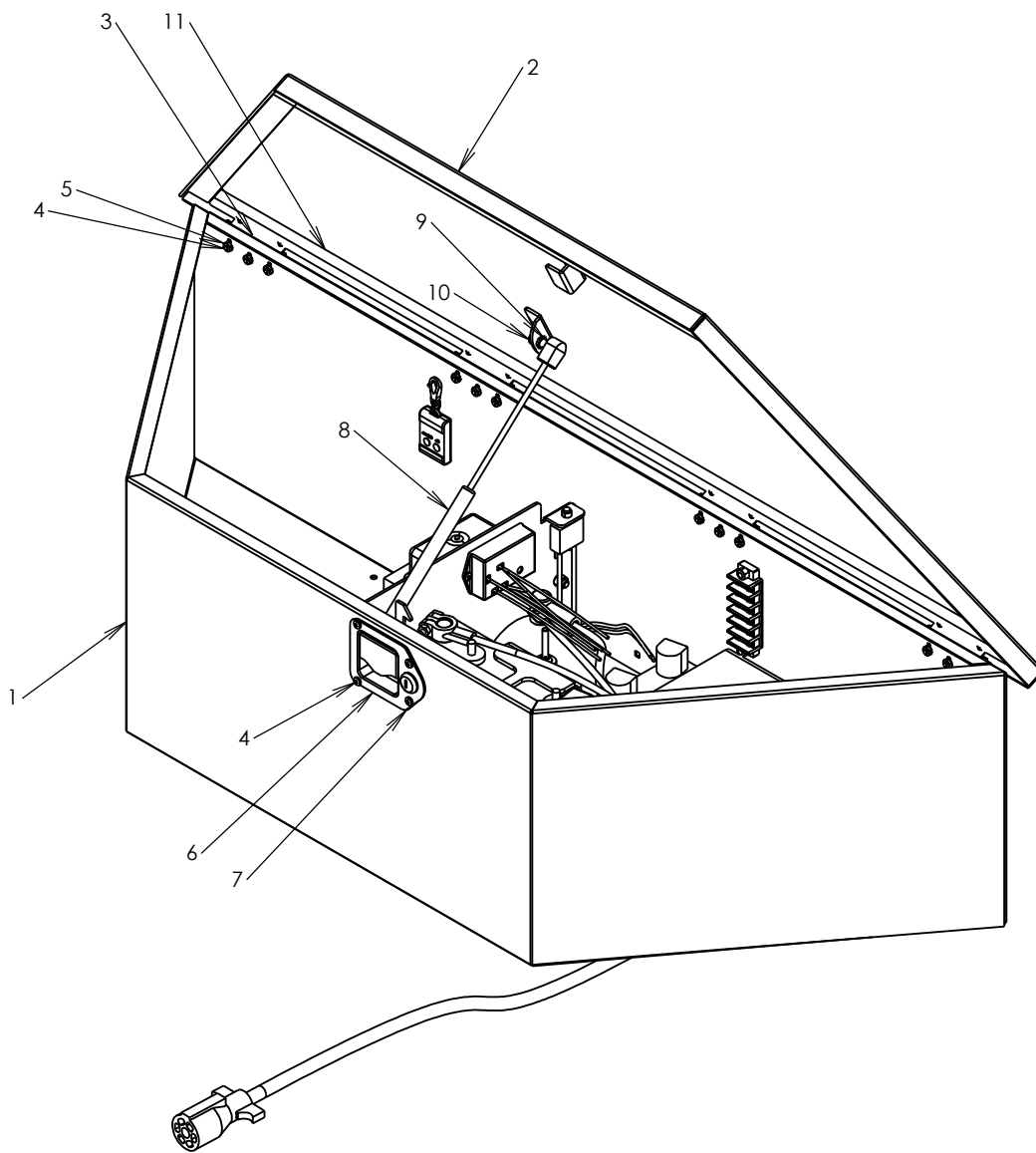
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HITCH COUPLER & TONGUE PARTS

Hitch Coupler and Tongue Parts

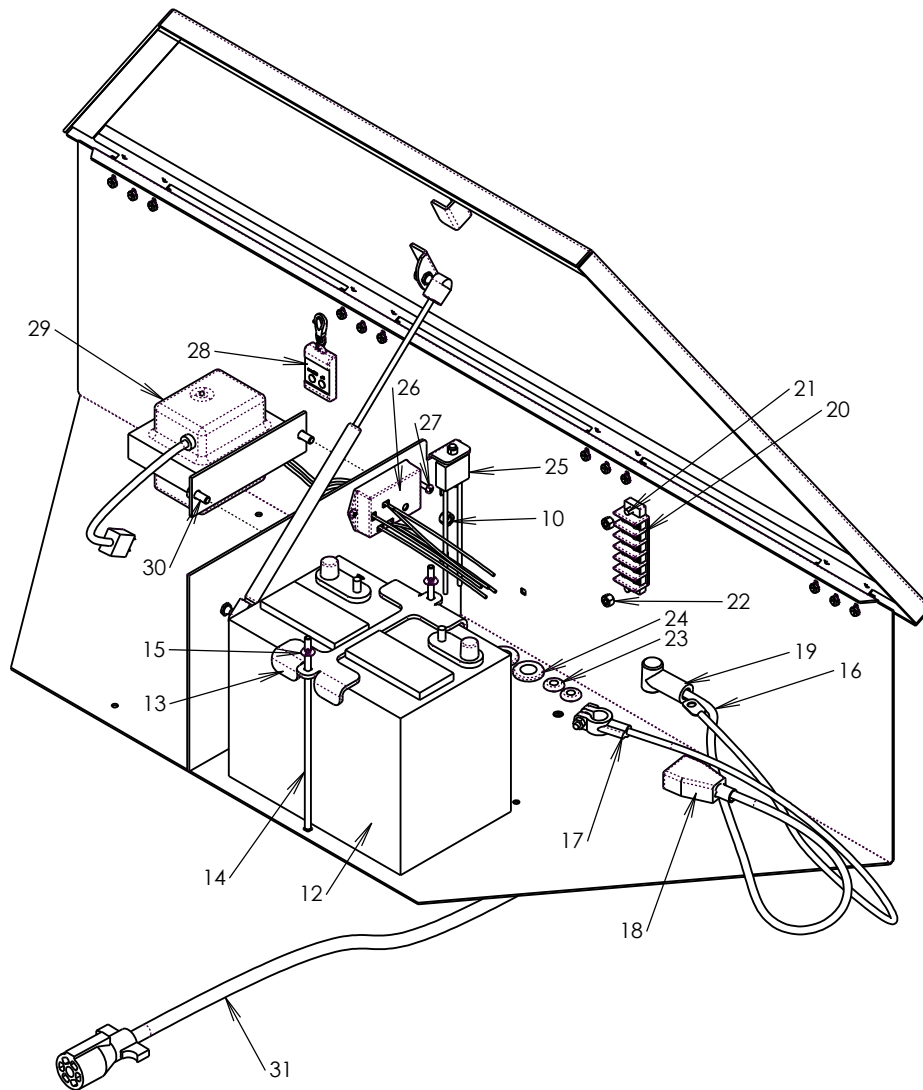
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	KDT2000AS1	SYSTEMS BOX	1
2	1/4-20 X 1 UNC	HEX BOLT, GRADE 5	4
3	1/4-20 UNC	HEX NUT, GRADE 5	4
4	50042	SWITCH, TRAILER BREAKAWAY	1
5	1/4-20 X 3/4 UNC	HEX BOLT, GRADE 5	19
6	1/4-20 LN	LOCK NUT, NYLON INSERT	19
7	LCSL5	5/16 SPRING LINK	1
8	78078	14K COUPLER, 2-5/16" BALL	1
9	5/8-11 X 4-1/2 UNC	HEX BOLT, GRADE 8	2
10	5/8-11 LN	LOCK NUT, NYLON INSERT	2
11	FLP4LR	LOCK PIN, DOUBLE WIRE	1
12	KDT8015	7K JACK ASSEMBLY, TOP WIND	1
	KDT2408	10K JACK ASSEMBLY, TOP WIND	
	KDT2409	10K JACK ASSEMBLY, SIDE WIND, GOOSENECK HITCH	
13	1/2-13 X 1-1/2 UNC	HEX BOLT, GRADE 5	5
14	1/2-13 LN	LOCK NUT, NYLON INSERT	5
15	LCU706	SAFETY CHAIN, 3/8" X 83"	1
		SAFETY CHAIN, 3/8" X 95" (use w ith hydraulic surge brakes)	
16	LCHSS706	SAFETY SLIP HOOK, 3/8"	2
17	KDT20055	FRONT PLANK RETAINER	1
	KDT12055	FRONT PLANK RETAINER, MODEL U12	
18	5/16-18 X 3 UNC	HEX BOLT, GRADE 5	10
19	5/16-18 LN	LOCK NUT, NYLON INSERT (not show n)	10
20	4804ST-100	1" FOAM SEAL	2



SYSTEMS BOX PARTS

Systems Box Parts

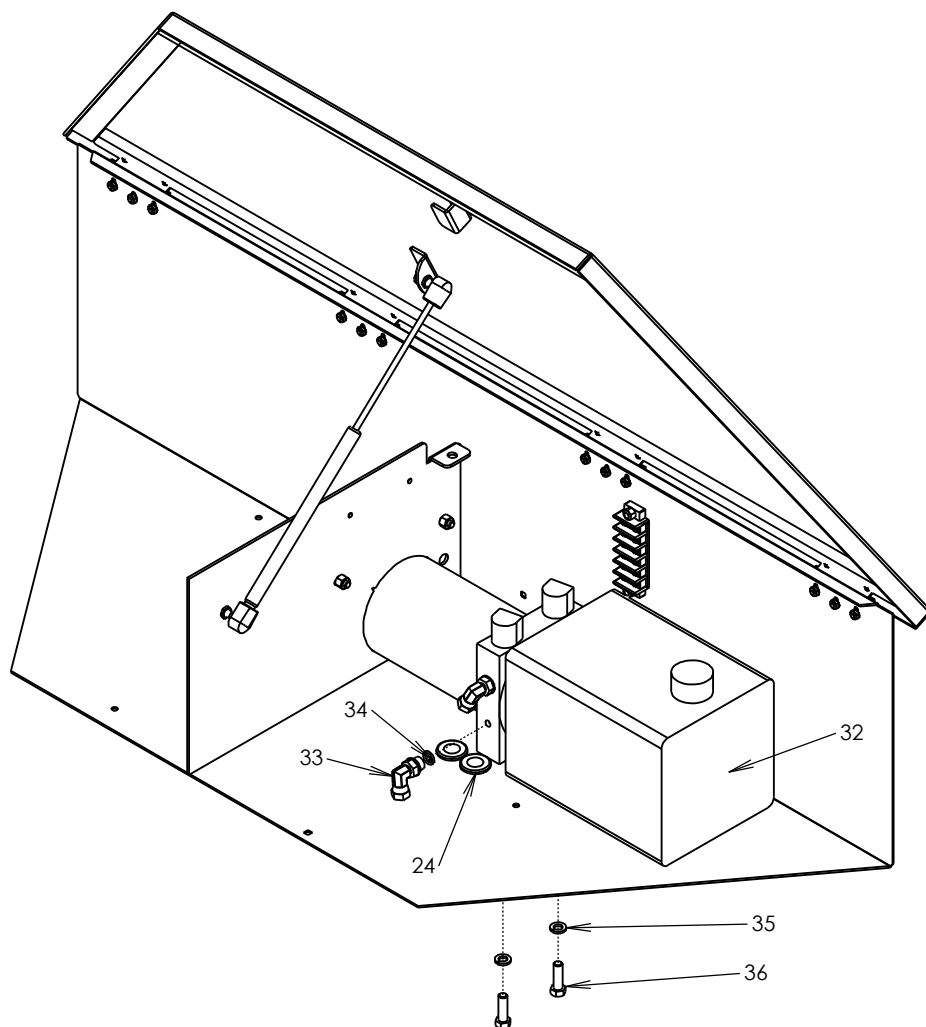
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	KDT8001AS	SYSTEMS BOX, STANDARD	1
	KDT2000AS5	SYSTEMS BOX FOR HYDRAULIC JACK OPTION	
2	KDT8002AS	SYSTEMS BOX LID, STANDARD	1
3	32834533	LEAF HINGE	4
4	10-24 X 3/8	PAN HEAD SCREW	28
5	FKN010	10-24 KEPS NUT	30
6	PAD-L8800-SS-90-545	MINI TOOL BOX LATCH, KEYED	1
7	G8800	GASKET, LID LATCH	1
8	310305	GAS SHOCK	1
9	310825	BALL STUD	2
10	5/16-18 LN	LOCK NUT, NYLON INSERT	4
11	53018-ST-100	5/8" BUBBLE SEAL	4



SYSTEMS BOX ELECTRICAL PARTS

Systems Box Electrical Parts

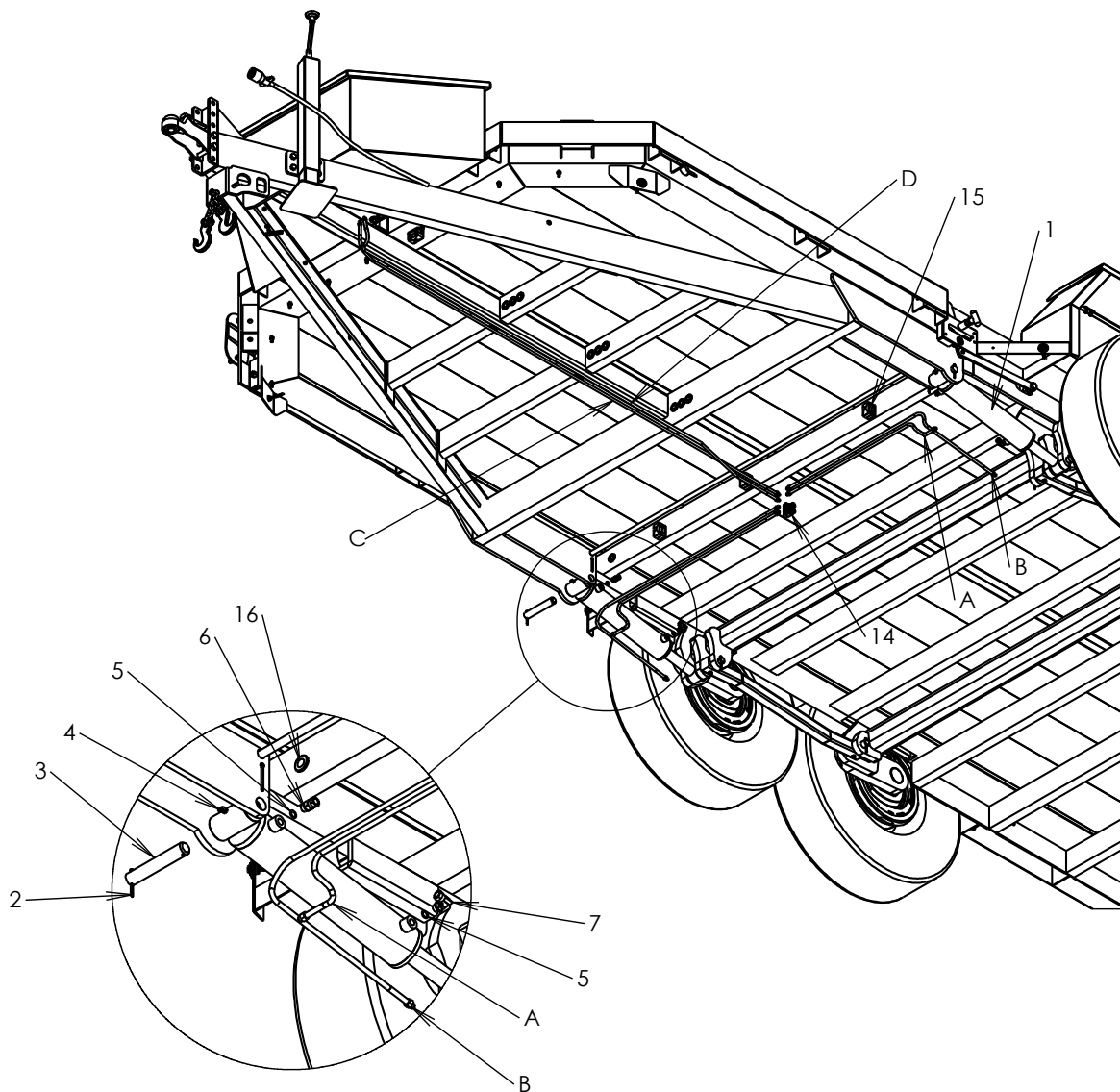
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
10	5/16-18 LN	LOCK NUT, NYLON INSERT	2
		2 ADDITIONAL REQUIRED FOR OPTIONAL QUICK CHARGER	
11	53018-ST-100	5/8" BUBBLE SEAL	SEE PG. #7
12	8240	12 VOLT BATTERY	1
	DC31	12 VOLT BATTERY, MODELS U24, U24HP	
13	KBW1024	CLAMP, BATTERY	1
14	FC20480	BATTERY BOLT	2
15	FWN04	WING NUT, SS, 1/4-20	2
16	781131	BATTERY CABLE, POSITIVE	1
17	781103	BATTERY CABLE, NEGATIVE	1
18	73127813	BATTERY TERMINAL COVER	1
19	73127995	SOLENOID TERMINAL COVER	1
20	66053315	TERMINAL BLOCK	1
21	1/4 X 3/4 RHSN	CARRIAGE BOLT, GRADE 5	2
22	1/4-20 LN	LOCK NUT, NYLON INSERT	2
23	79311858	RUBBER GROMMET, 5/8"	2
24	79311890	RUBBER GROMMET, 1"	4
25	80122	RESETTABLE BREAKER SWITCH	1
26	AT-RF-005	REMOTE RF HYDRAULIC MODULE	1
27	10-24 X 3/4	PAN HEAD SCREW	2
28	AP-LBL-575	RF TRANSMITTER, UP/DOWN	1
29	OBAE12V10A	ONBOARD QUICK CHARGER	
		OPTIONAL EQUIPMENT	
30	5/16-18 X 3/4 UNC	HEX BOLT, GRADE 5	
		2 REQUIRED FOR OPTIONAL QUICK CHARGER	
31	IDI-50023	7-WAY RV PLUG, MOLDED	1



SYSTEMS BOX HYDRAULIC PARTS

Systems Box Hydraulic Parts

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
24	79311890	RUBBER GROMMET, 1"	4
32	DC47694P	12V HYDRAULIC PUMP UNIT	1
	DB-6907-1	OPTIONAL DUAL FUNCTION PUMP	
33	Y-6901-F-NWO-6-4	ADAPTER, 90°, 9/16" M O-RING - 1/4" FPT SWIVEL	2
34	4000-906	SEAL, O-RING BOSS	2
35	3/8 LW	SPRING LOCK WASHER	2
36	3/8-16 X 1-1/4 UNC	HEX BOLT, GRADE 5	2

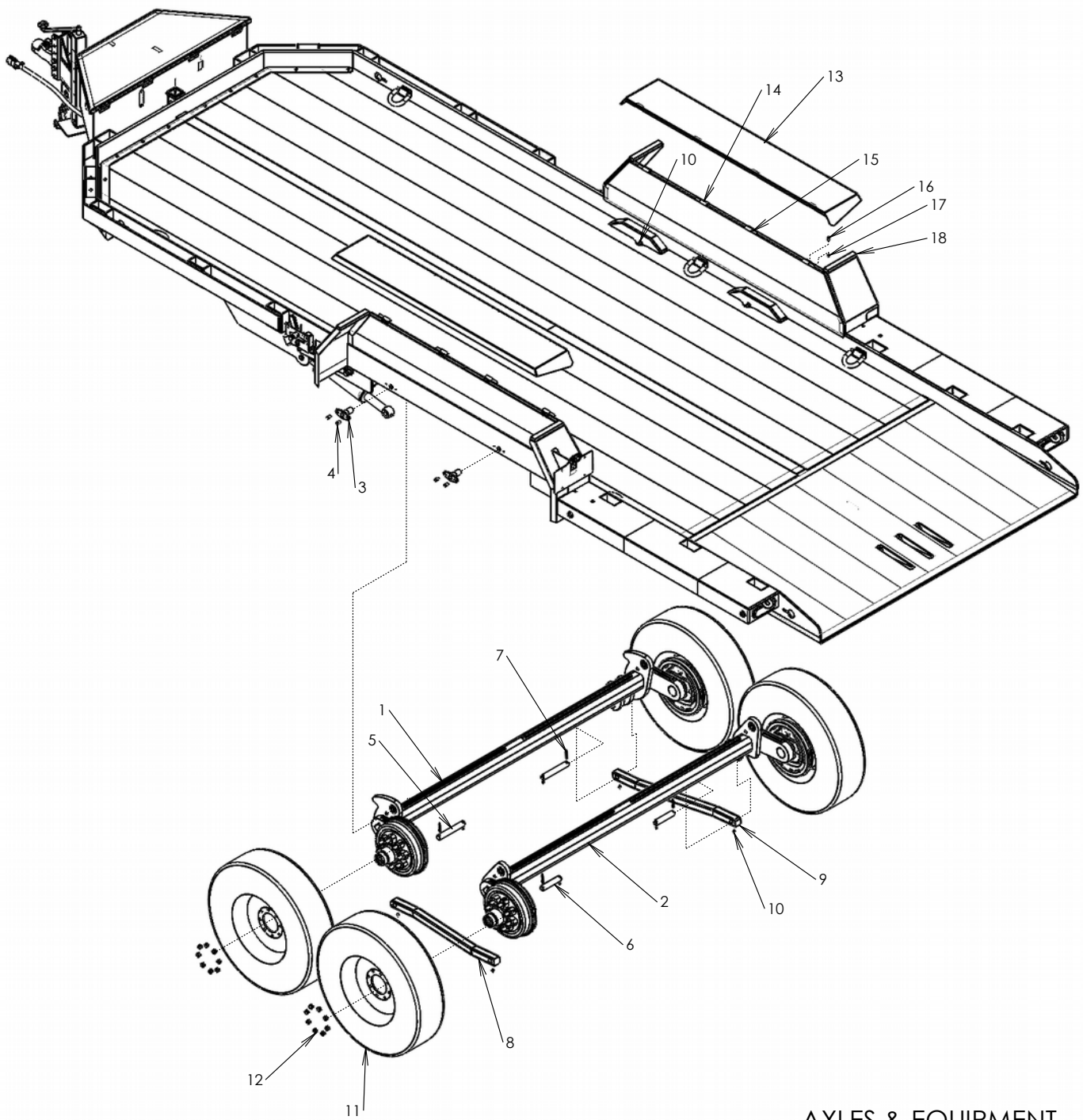


HYDRAULIC CYLINDERS & HOSES

Hydraulic Cylinders and Hoses

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BHI2.5x24x13.25	CYLINDER 2-1/2" X 24" X 13-1/4" STROKE, MODEL U12	2
	BHI3x24x11.25	CYLINDER 3" X 24" X 11-1/4" STROKE, MODELS U16, U19	
	BHI4.5X24X11	CYLINDER 4-1/2" X 24" X 11" STROKE, MODELS U24, U24HP	
2	CP-188X2000	3/16 X 2 COTTER PIN	SEE PG. #15
3	KDT20303	REAR AXLE PIN, 1" X 5-3/4"	SEE PG. #15
4	EQZ445	GREASE FITTING, 1/4-28 UNF, 45°	4
5	4000-906	SEAL, O-RING BOSS	4
6	Y-6900-O-6-4	STRAIGHT ADAPTER	2
7	Y-6901-F-NWO-6-4	ADAPTER, 90°, 9/16" M O-RING - 1/4" FPT SWIVEL	2
8	SEE HYDRAULIC HOSE		
9	APPLICATIONS CHART		
10	BELOW		
11			
12			
13			
14	Y-2603-F-4-4-4	TEE, (3) 1/4" MALE, 37° JIC	2
15	T-2008S	WELD-ON HOSE CLAMP, DOUBLE 1/4"	4
16	79311890	RUBBER GROMMET, 1"	11

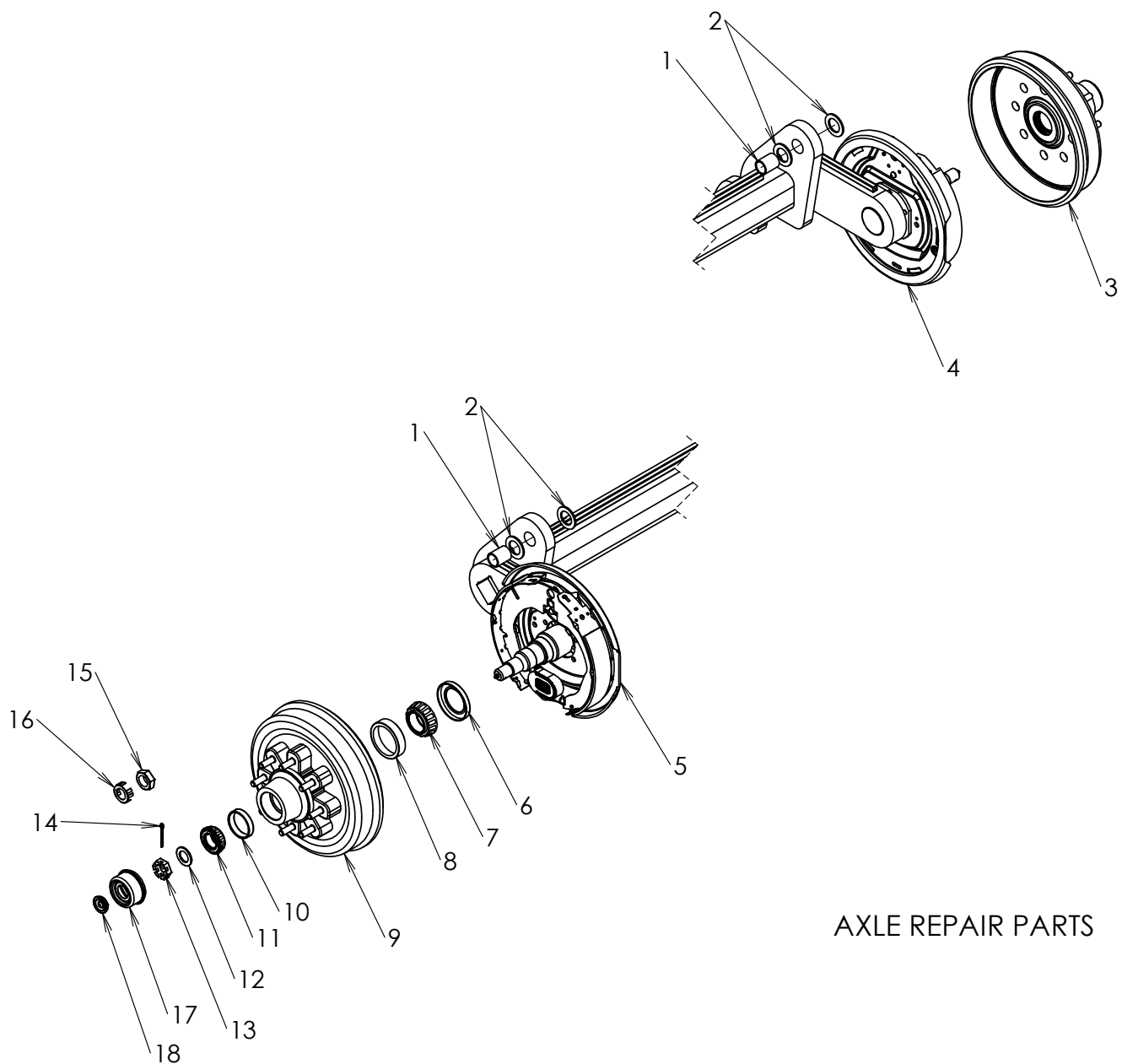
HYDRAULIC HOSE APPLICATIONS							
PART NUMBER	SIZE	LOCATION	U-24	U-19	U-19 HP	U-14	U-12
12153	1/4 X 29	CYLINDER HOSE 'A'					2
12154	1/4 X 34	CYLINDER HOSE 'B'					2
20153	1/4 X 35	CYLINDER HOSE 'A'		2			
16153	1/4 X 36	CYLINDER HOSE 'A'				2	
24153	1/4 X 38	CYLINDER HOSE 'A'	2				
520153	1/4 X 39	CYLINDER HOSE 'A'			2		
16154	1/4 X 45	CYLINDER HOSE 'B'				2	
24154	1/4 X 47	CYLINDER HOSE 'B'	2				
20154	1/4 X 48	CYLINDER HOSE 'B'		2			
520154	1/4 X 52	CYLINDER HOSE 'B'			2		
12151	1/4 X 63	PUMP 'A' PORT – BOTTOM TEE HOSE 'C'					1
12152	1/4 X 65	PUMP 'B' PORT – TOP TEE HOSE 'D'					1
16151	1/4 X 68	PUMP 'A' PORT – BOTTOM TEE HOSE 'C'				1	
16152	1/4 X 70	PUMP 'B' PORT – TOP TEE HOSE 'D'				1	
20151	1/4 X 96	PUMP 'A' PORT – BOTTOM TEE HOSE 'C'		1	1		
20152	1/4 X 98	PUMP 'B' PORT – TOP TEE HOSE 'D'		1	1		
24151	1/4 X 105	PUMP 'A' PORT – BOTTOM TEE HOSE 'C'	1				
24152	1/4 X 107	PUMP 'B' PORT – TOP TEE HOSE 'D'	1				
80151	1/4 X 34	PUMP TO OPTIONAL JACK	1	1	1	1	1
80152	1/4 X 40	PUMP TO OPTIONAL JACK	1	1	1	1	1



AXLES & EQUIPMENT

Axles

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	KDT8FA	FRONT AXLE ASSEMBLY	1
	KDT6A	AXLE ASSEMBLY, MODEL U12	
2	KDT8RA	REAR AXLE ASSEMBLY	1
		NOT REQUIRED ON MODEL U12	
	KDT24FA	CENTER AXLE ASSEMBLY (not show n)	1
		ALSO REQUIRED ON MODELS U24, U24HP	
3	KDT20001	WELDED AXLE PIVOT PIN	4
		2 REQUIRED ON MODEL U12	
		6 REQUIRED ON MODELS U24, U24HP	
4	3/8-16 X 3/4 UNC	HEX BOLT, GRADE 5	8
		4 REQUIRED ON MODEL U12	
		12 REQUIRED ON MODELS U24, U24HP	
5	KDT20302	FRONT AXLE PIN, 1" X 8"	2
		NOT REQUIRED ON MODEL U12	
		4 REQUIRED ON MODELS U24, U24HP	
6	KDT20303	REAR AXLE PIN, 1" X 5-3/4"	4
7	CP-188X2000	3/16 X 2 COTTER PIN	
		AS REQUIRED – (2) USED PER AXLE PIN	
8	KDT20114	AXLE LINK BAR - LEFT	1
		NOT REQUIRED ON MODEL U12	
	KDT24114	TRI-AXLE LINK, FRONT, RH (not show n)	1
		ALSO REQUIRED ON MODELS U24, U24HP	
9	KDT20115	AXLE LINK BAR - RIGHT	1
		NOT REQUIRED ON MODEL U12	
	KDT24115	TRI-AXLE LINK, FRONT, LH (not show n)	1
		ALSO REQUIRED ON MODELS U24, U24HP	
10	EQZ490	GREASE FITTING, 1/4-28 UNF, 90°	8
		2 REQUIRED ON MODEL U12	
		14 REQUIRED ON MODELS U24, U24HP	
11	32764	ST235/85 R16 Wheel & Tire	4
12	006-080-00	LUG NUT, 1/2-20 UNF	32
13	KDT1200AS1	WHEEL WELL LID, MODEL U12	2
	KDT2000AS2	WHEEL WELL LID, MODELS U14, U19	
	KDT52000AS2	WHEEL WELL LID, MODELS U14HP, U19HP	
	KDT24030AS2	WHEEL WELL LID, MODEL U24	
	KDT524030AS2	WHEEL WELL LID, MODEL U24HP	
14	KDT20096LH	WHEEL WELL HINGE/PIN ASSY	4
15	KDT20096RH	WHEEL WELL HINGE/PIN ASSY	4
16	1/4-20 X 3/4 UNC	HEX BOLT, GRADE 5	16
17	1/4-20 LN	LOCK NUT, NYLON INSERT	16
18	4712	1" X 8" FOAM SEAL	4

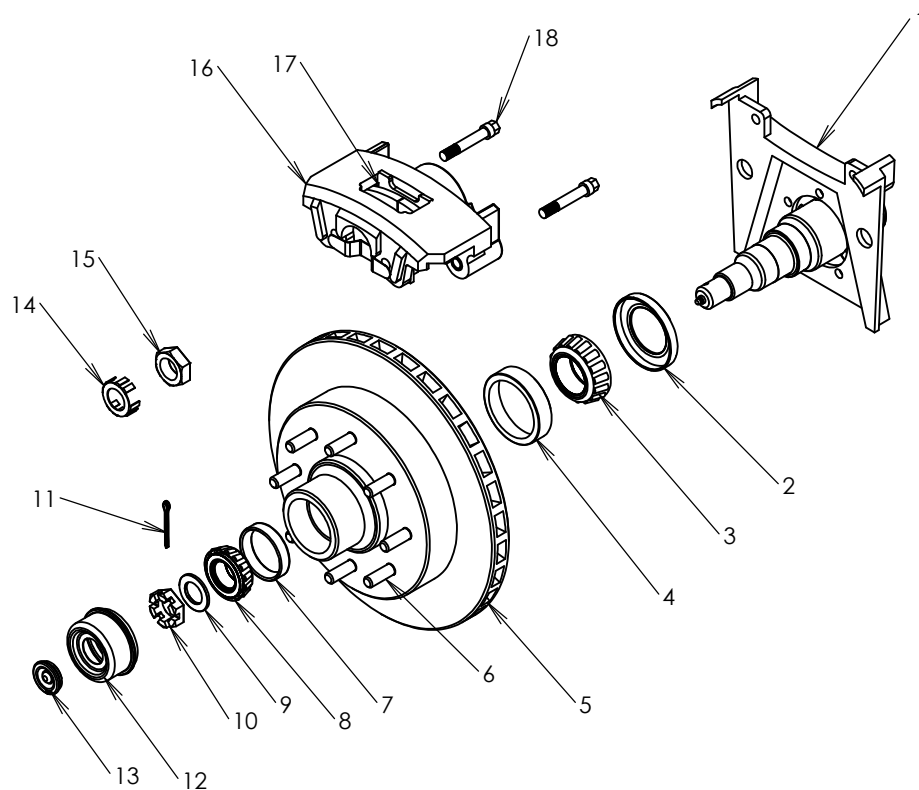


AXLE REPAIR PARTS

Axle Repair Parts

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
QUANTITIES ARE PER AXLE			
1	CB162012	BRASS BUSHING, 1" X 1-1/4" X 1-1/2"	2
2	EW203202	BRASS THRUST WASHER	4
3	1536641S STL CP	12" X 2" HUB & DRUM, COMPLETE	2
4	363233.1	ELECTRIC BRAKE ASSEMBLY, RH, COMPLETE	1
	023-343-00	HYDRAULIC BRAKE ASSEMBLY, RH, COMPLETE (not show n)	
	006-193-00	NUT/WASHER ASSEMBLY (not show n)	5
5	363233.2	ELECTRIC BRAKE ASSEMBLY, LH, COMPLETE	1
	023-342-00	HYDRAULIC BRAKE ASSEMBLY, LH, COMPLETE (not show n)	
	006-193-00	NUT/WASHER ASSEMBLY (not show n)	5
QUANTITIES BELOW ARE PER ONE HUB/DRUM			
6	568862	GREASE SEAL, DOUBLE LIP, 2-1/8" SHAFT	1
	363497	GREASE SEAL, DOUBLE LIP, 2-1/4" SHAFT	
7	363196	INNER BEARING CONE 25580	1
8	363911	INNER BEARING CUP 25520	1
9	363236	HUB & DRUM W/ BEARING CUPS & STUDS	1
	363909	STUD, 1/2"-20 X 2-1/2, LONG KNURL	8
10	363915	OUTER BEARING CUP 14276	1
11	363397	OUTER BEARING CONE 14125A	1
12	568326	SPINDLE WASHER 1" X 2" OD	1
13	363257	SPINDLE NUT 1"-14 (use also Item #14)	1
14	363528	COTTER PIN (use with Item #13)	1
15	006-191-00	SPECIAL JAM NUT (use also Item #16)	1
16	006-190-00	RETAINER, SPINDLE NUT (use with Item #15)	1
Use Items #15 & #16 with Ultralube™ axles. Grease zerks are in spindle ends. Spindle has a flat retainer notch.			
17	363775	GREASE CUP FOR 14125A BEARING	1
18	568067	RUBBER PLUG	1

Ultralube™ is a trademark of AL-KO Axis, Inc.

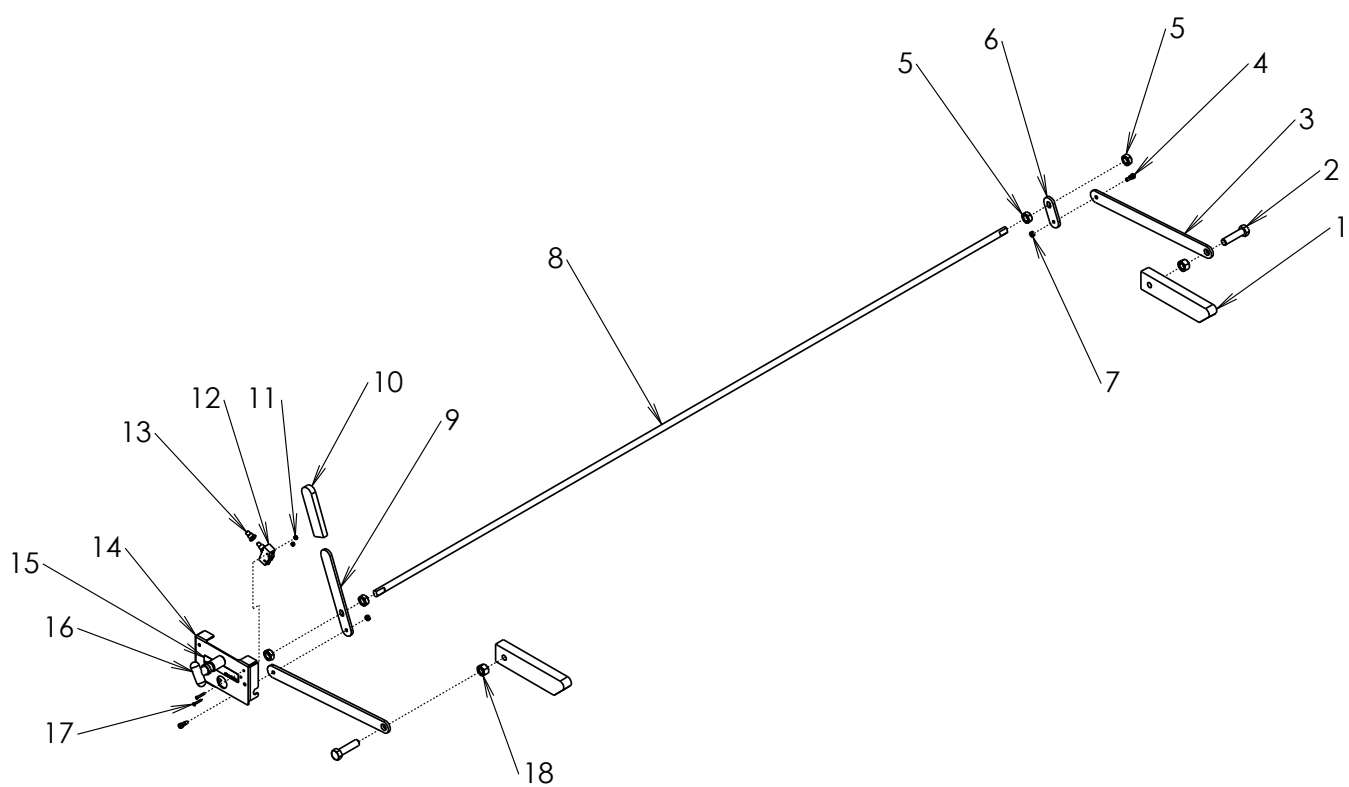


DISC BRAKE REPAIR PARTS

Disc Brake Repair Parts

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	CMB-133-7	CALIPER MOUNTING BRACKET	1
2	472920	GREASE SEAL	1
3	363196	INNER BEARING CONE 25580	1
4	363911	INNER BEARING CUP 25520	1
5	ROTOR/HUB-133-7-8	BRAKE DISC, 13", W/ BEARING CUPS & STUDS	1
6	LB2	STUD, 1/2"-20	8
7	363915	OUTER BEARING CUP 14276 FOR 8 ON 6.5" B.C.	1
8	363397	OUTER BEARING CONE 14125A FOR 8 ON 6.5" B.C.	1
9	568326	SPINDLE WASHER 1" X 2" OD	1
10	363257	SPINDLE NUT 1"-14 (use also Item #11)	1
11	363528	COTTER PIN (use also Item #10)	1
12	363775	GREASE CUP FOR 14125A BEARING	1
13	568067	RUBBER PLUG	1
14	006-190-00	RETAINER, SPINDLE NUT (use also Item #15)	1
15	006-191-00	SPECIAL JAM NUT (use also Item #14)	1
Use Items #14 & #15 with Ultrulube™ axles. Grease zerks are in spindle ends. Spindle has a flat retainer notch.			
16	DBC-250-E	CALIPER, LOADED	1
17	DBC-250-CERM-PAD	BRAKE PAD SET	1
	DBC-250-CERM-PAD-SS	BRAKE PAD SET, STAINLESS STEEL BACKINGS	
18	DBC-MHGB	CALIPER BOLT, M11 X 1.5, W/ THREADLOCKER	2
	DBC-250-KIT	PISTON REBUILD KIT (not shown)	

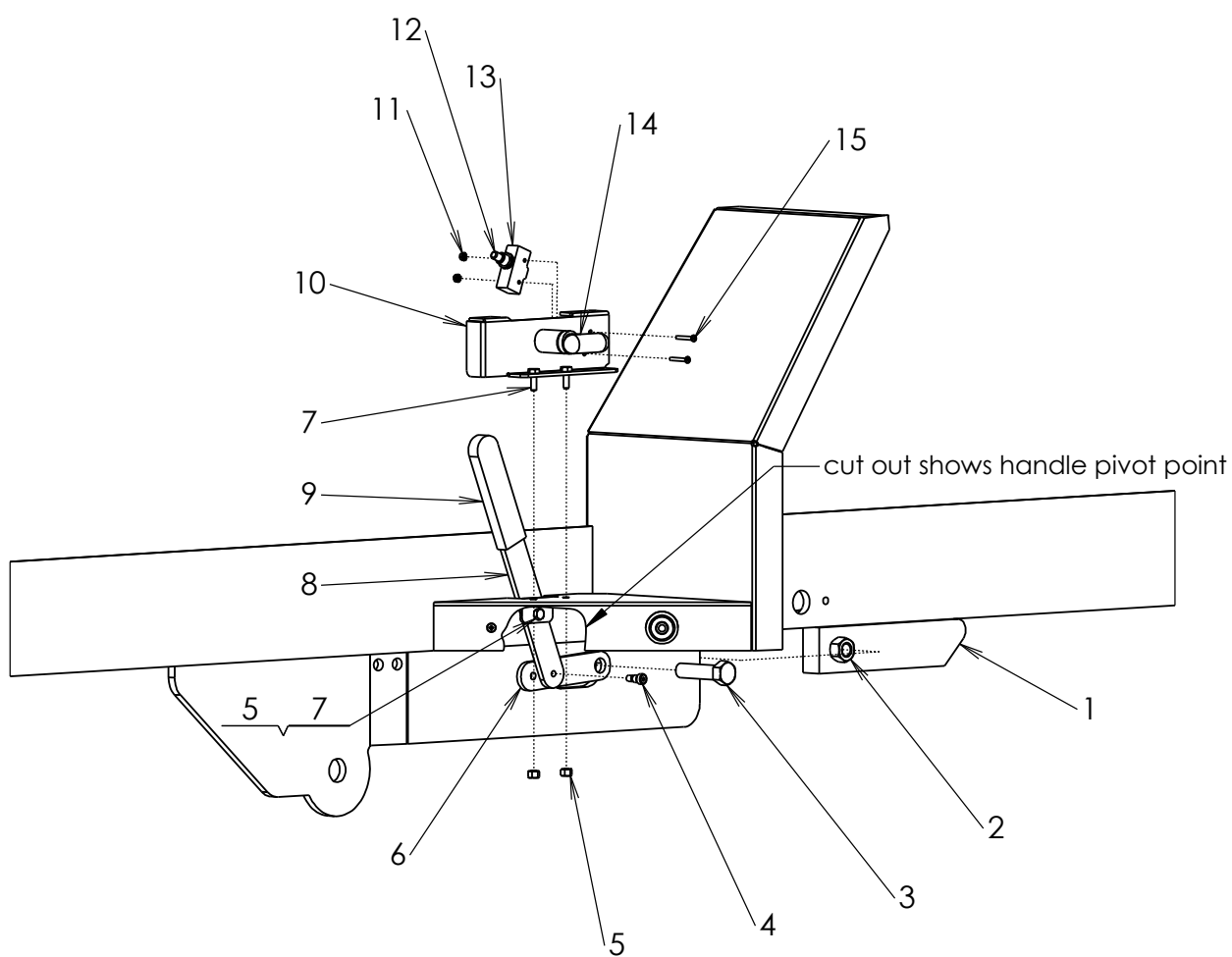
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AXLE LOCK ASSEMBLY

Axle Lock Assembly

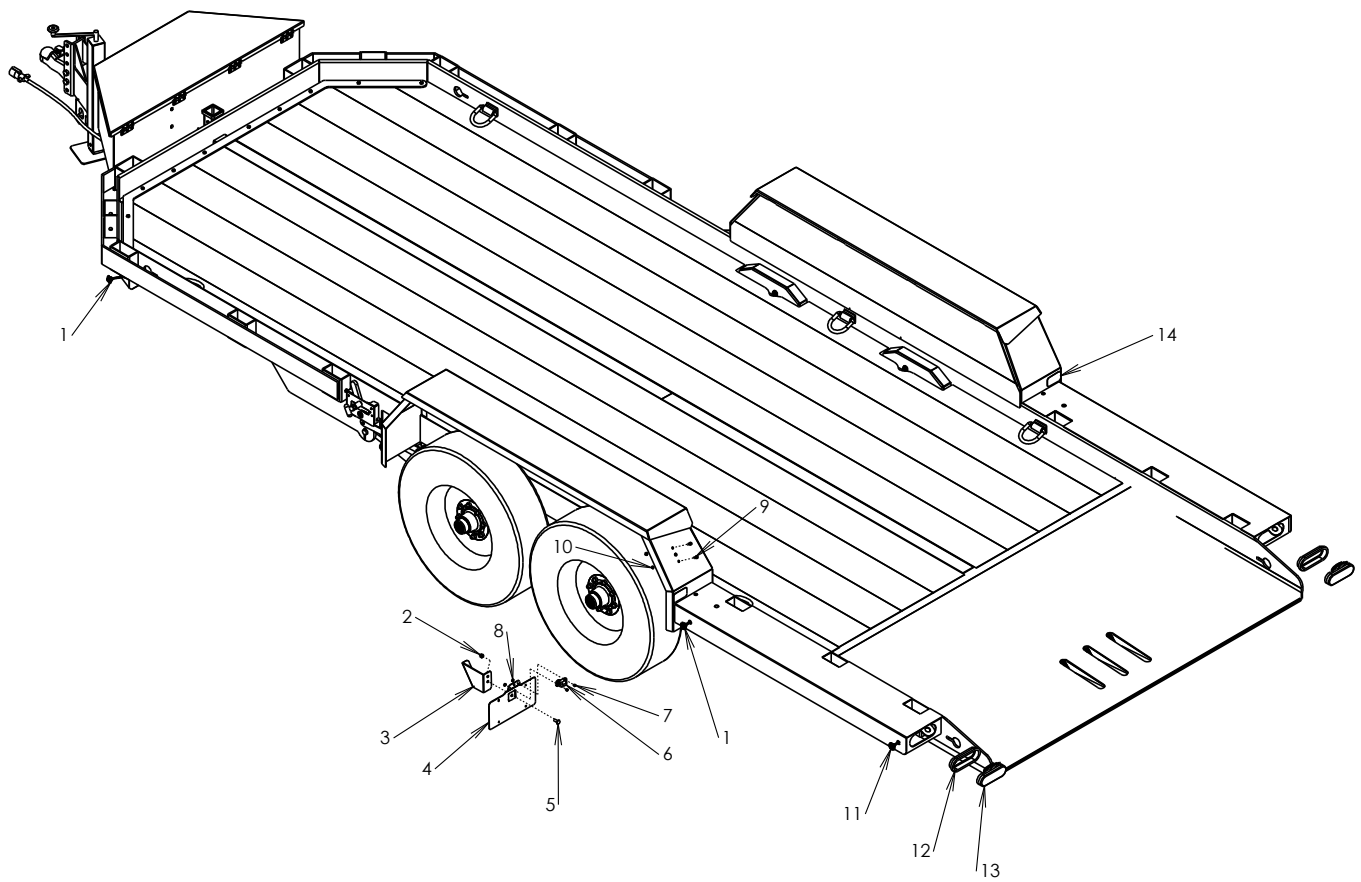
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	KDT20126	AXLE LOCK PIN	2
2	5/8-11 X 2-1/2 UNC	HEX BOLT, GRADE 5	2
3	KDT24090	AXLE LOCK HANDLE LINKAGE	2
4	SHSS 5/16 X 5/16	SOCKET HEAD SHOULDER SCREW	2
5	5/8-18 JAM UNF	HEX JAM NUT, FINE THREAD, GRADE 5	4
6	KDT24302	AXLE LOCK LEVER	1
7	1/4-20 UNC	HEX NUT, GRADE 5	2
8	KDT80303	LOCK ROD, STANDARD WIDTH	1
	KDT24303	LOCK ROD, MODELS U24, U24HP	
9	KDT24089	AXLE LOCK HANDLE	1
10	1/4" X 1-1/4"	HANDLE COVER	1
11	FKN006	6-32 KEPS NUT	2
12	54045026	PUSH SWITCH	1
13	ELTSC	TOGGLE SWITCH COVER	1
14	KDT24087	AXLE LOCK HANDLE SWITCH PLATE	1
15	20021-001	AXLE LOCK-UNLOCK DECAL	1
	21183-01	AXLE UNLOCK-LOCK DECAL	
		REQUIRED ON HP MODELS PRIOR TO 2/2016	
16	9300088	QUICK RELEASE PIN	1
17	6-32 X 1	PAN HEAD SCREW	2
18	5/8-11 UNC	HEX NUT, GRADE 5	2



AXLE LOCK ASSEMBLY
FOR MODEL U12
-ALSO MODEL U14 PRIOR TO 2/2016
-ALSO MODEL U16 PRIOR TO 2/2016

Axle Lock Assembly for U12

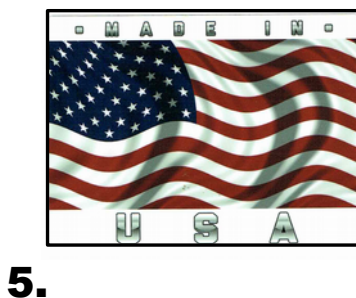
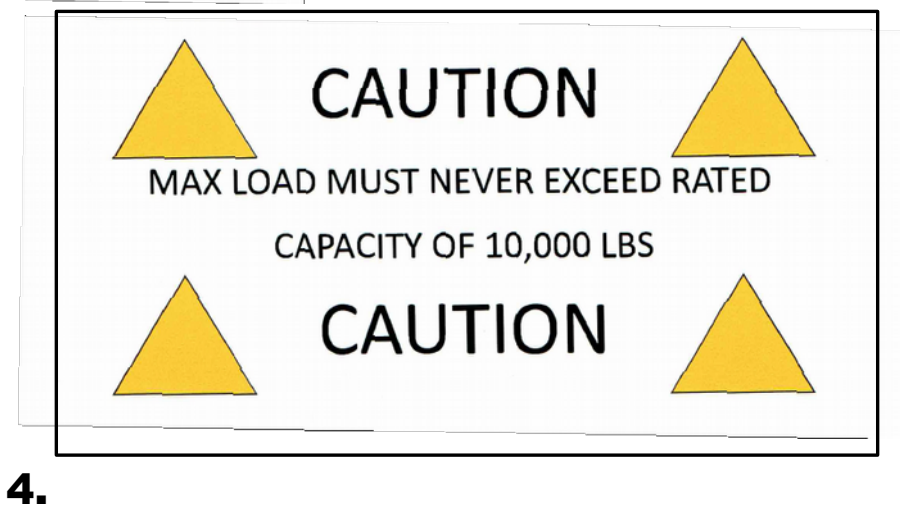
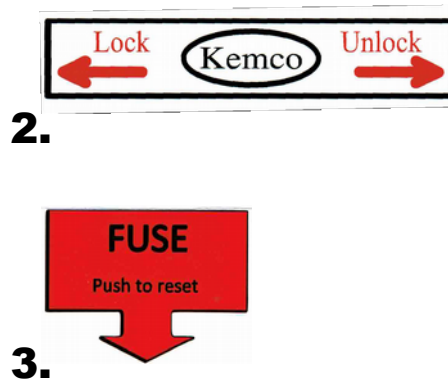
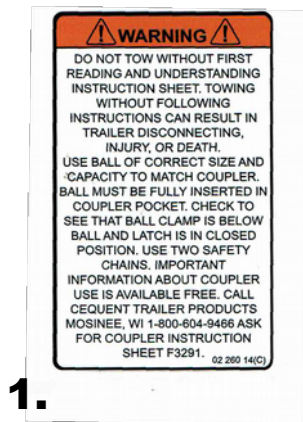
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	KDT20126	AXLE LOCK PIN	1
2	5/8-11 UNC	HEX NUT, GRADE 5	1
3	5/8-11 X 2-1/2 UNC	HEX BOLT, GRADE 5	1
4	SHSS 5/16 X 5/16	SOCKET HEAD SHOULDER SCREW	1
5	1/4-20 LN	LOCK NUT, NYLON INSERT	3
6	KDT80090	AXLE LOCK HANDLE LINKAGE	1
7	1/4-20 X 3/4 UNC	HEX BOLT, GRADE 5	3
8	KDT80089	AXLE LOCK HANDLE	1
9	1/4" X 1-1/4"	HANDLE COVER	1
10	KDT80087	AXLE LOCK HANDLE SWITCH PLATE	1
11	FKN006	6-32 KEPS NUT	2
12	ELTSC	TOGGLE SWITCH COVER	1
13	54045026	PUSH SWITCH	1
14	9300088	QUICK RELEASE PIN	1
15	6-32 X 1	PAN HEAD SCREW	2



LIGHTING

Lighting

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	30155	MARKER LAMP W/ GROMMET, LED, AMBER	6
2	3/8-16 LN	LOCK NUT, NYLON INSERT	1
3	KDT20061	LICENSE PLATE PIVOT BASE MOUNT	1
4	KDT80086	LICENSE PLATE BACKER PLATE	1
5	3/8-16 X 1 RHSN	CARRIAGE BOLT, GRADE 5	1
6	24056	LICENSE PLATE LIGHT, LED	1
7	10-24 X 3/8	PAN HEAD SCREW	2
8	FKN010	10-24 KEPS NUT	2
9	1/4-20 X 3/4 UNC	HEX BOLT, GRADE 5	2
10	1/4-20 LN	LOCK NUT, NYLON INSERT	2
11	30157	MARKER LAMP W/ GROMMET, LED, RED	5
12	30196	TAILLIGHT RUBBER MOUNT GROMMET	2
13	30190	TAIL LIGHT	2
14	30220	RECTANGULAR REFLECTOR DECAL, RED	2
15		WIRING HARNESS (not show n)	1
	KDT12150	CHASSIS WIRING HARNESS, MODEL U12	
	KDT16150	CHASSIS WIRING HARNESS, MODEL U14	
	KDT20150	CHASSIS WIRING HARNESS, MODEL U19	
	KDT24150	CHASSIS WIRING HARNESS, MODEL U24	
16	AV09383	1/4" WIRE LOOM CLAMP (not show n)	AS REQUIRED
	AV09385	1/2" WIRE LOOM CLAMP (not show n)	AS REQUIRED



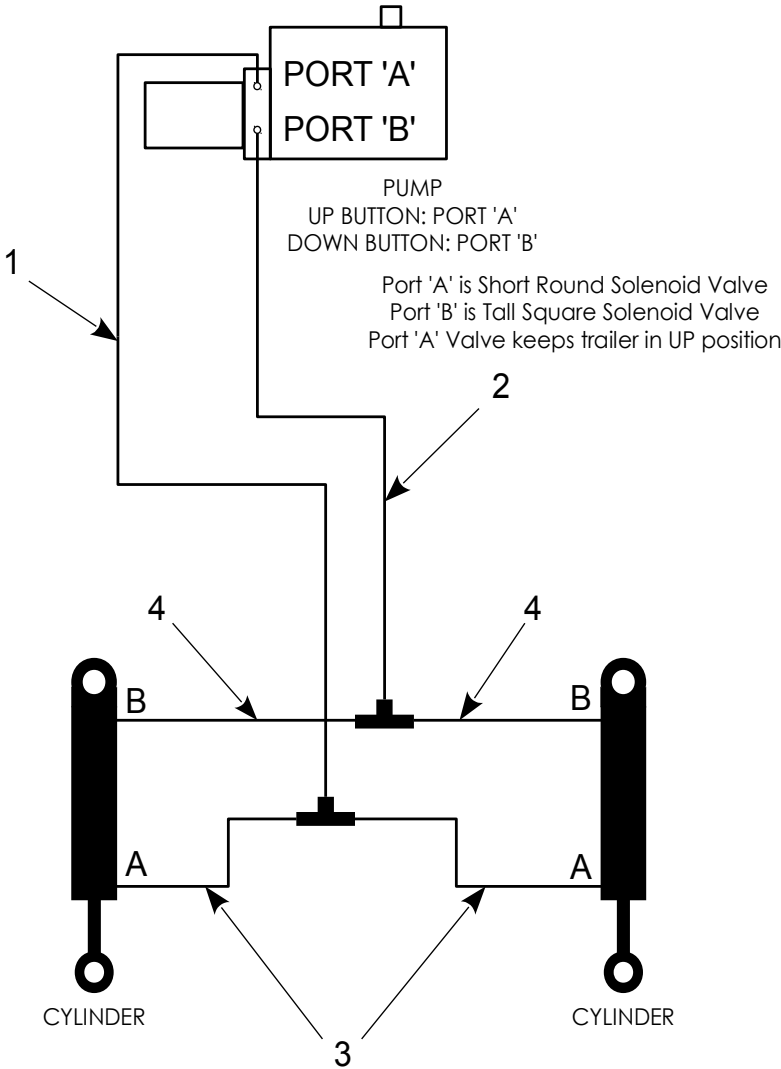
Decals

Item No.	Part Number	Description	Qty.
1		WARNING towing safety	1
2	20021-001	LOCK-UNLOCK	1
	21183-01	UNLOCK-LOCK	(HP models prior to 2/2016)
3	21116-001-00	FUSE ARROW	1
4	21152-01	CAUTION 2,000 LB	1
	21119-001-00	CAUTION 5,000 LB	
	21118-001-00	CAUTION 10,000 LB	
	21153-01	CAUTION 15,000 LB	
5	20015-001	Made in the USA	2
6	20506-001	NoRamp	2

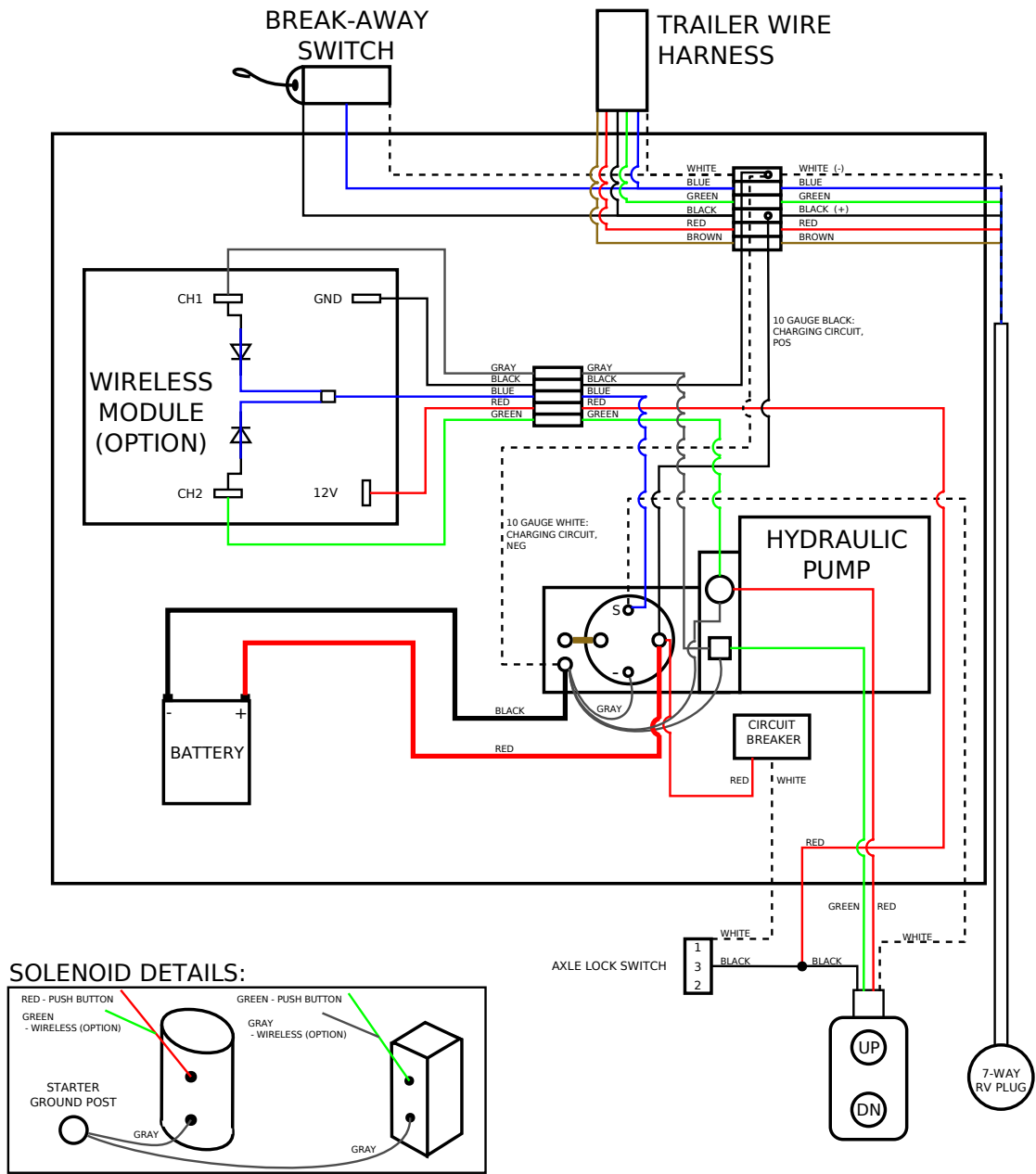
Hydraulic Hose Schematic View

HYDRAULIC HOSE APPLICATIONS

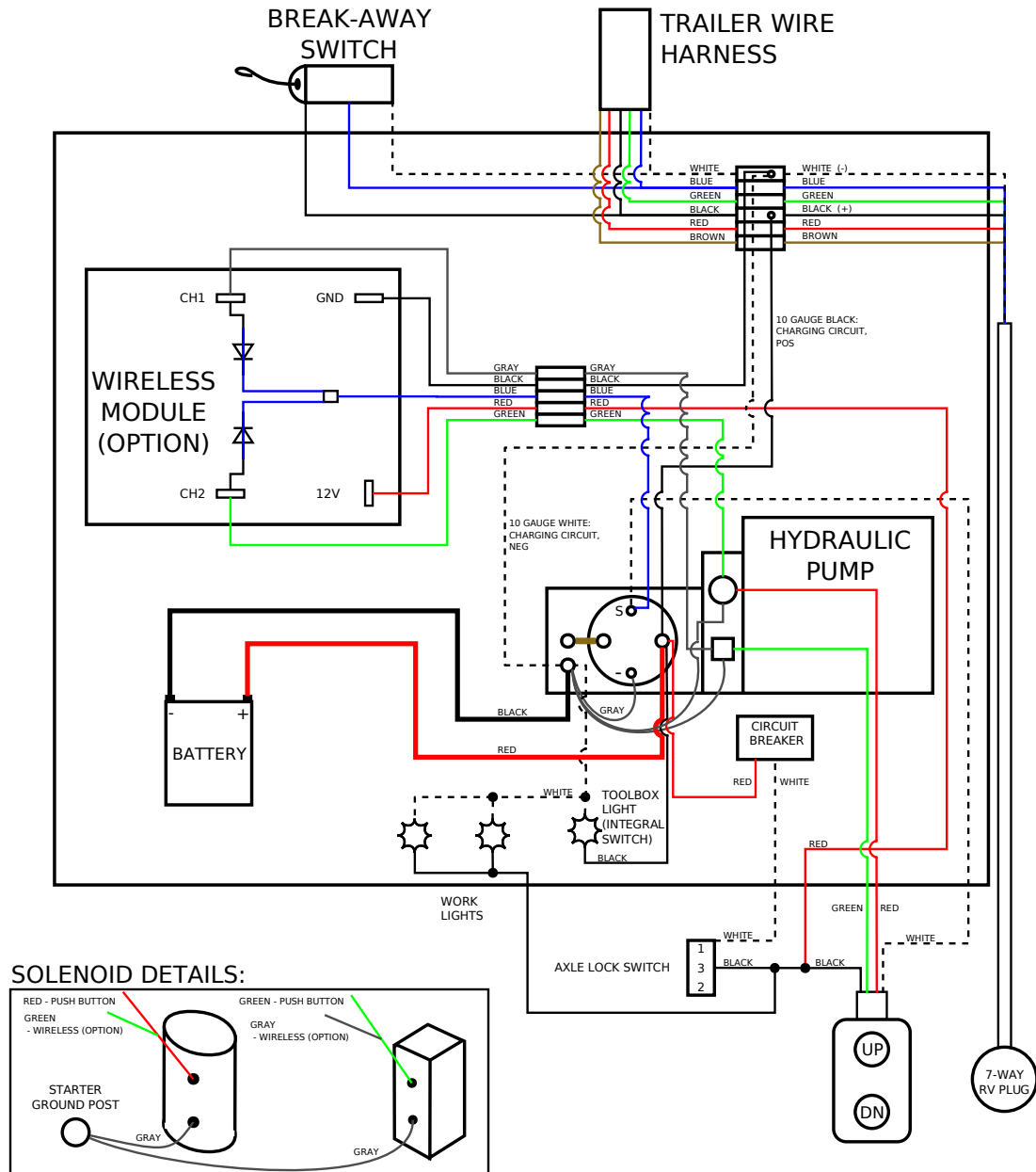
ITEM #	LOCATION	U-24		U-19		U-19 HP		U-14		U-12	
		PART #	SIZE	PART #	SIZE	PART #	SIZE	PART #	SIZE	PART #	SIZE
1	PUMP 'A' TO TEE	24151	¼ X 105	20151	¼ X 96	20151	¼ X 96	16151	¼ X 68	12151	¼ X 63
2	PUMP 'B' TO TEE	24152	¼ X 107	20152	¼ X 98	20152	¼ X 98	16152	¼ X 70	12152	¼ X 65
3	CYLINDER HOSE 'A'	24154	¼ X 47	20154	¼ X 48	520154	¼ X 52	16154	¼ X 45	12154	¼ X 34
4	CYLINDER HOSE 'B'	24153	¼ X 38	20153	¼ X 35	520153	¼ X 39	16153	¼ X 36	12153	¼ X 29



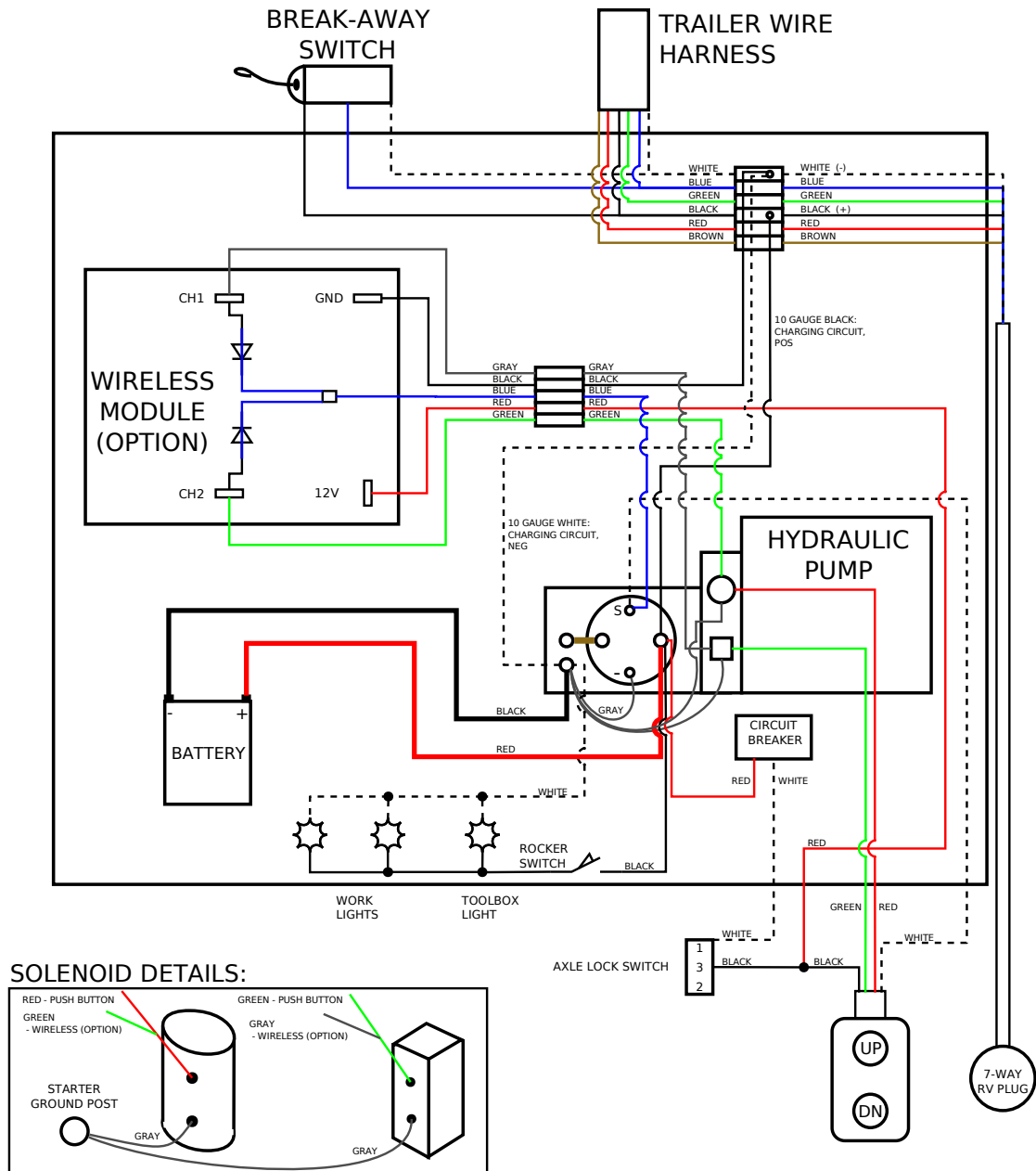
TRAILER SYSTEMS BOX
-STANDARD WIRING-
before VIN 2234



TRAILER SYSTEMS BOX -STANDARD WIRING- VIN 2234-2304



TRAILER SYSTEMS BOX -STANDARD WIRING- VIN 2305, after



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