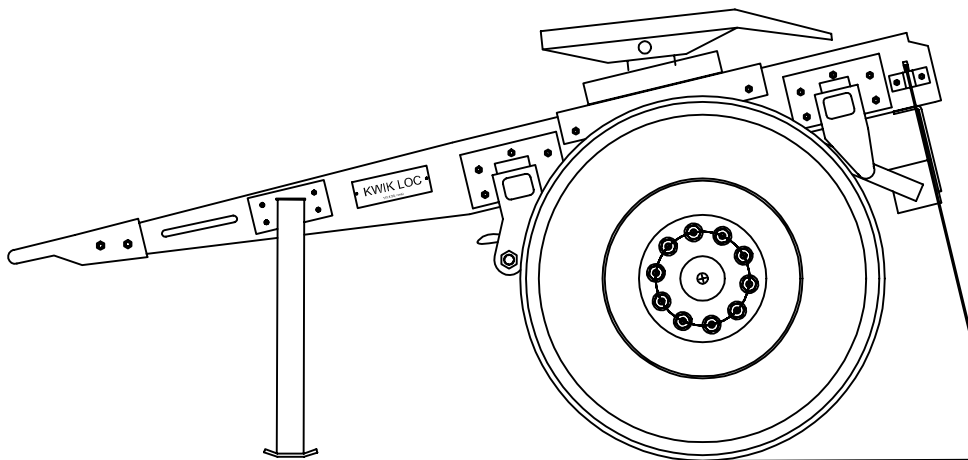
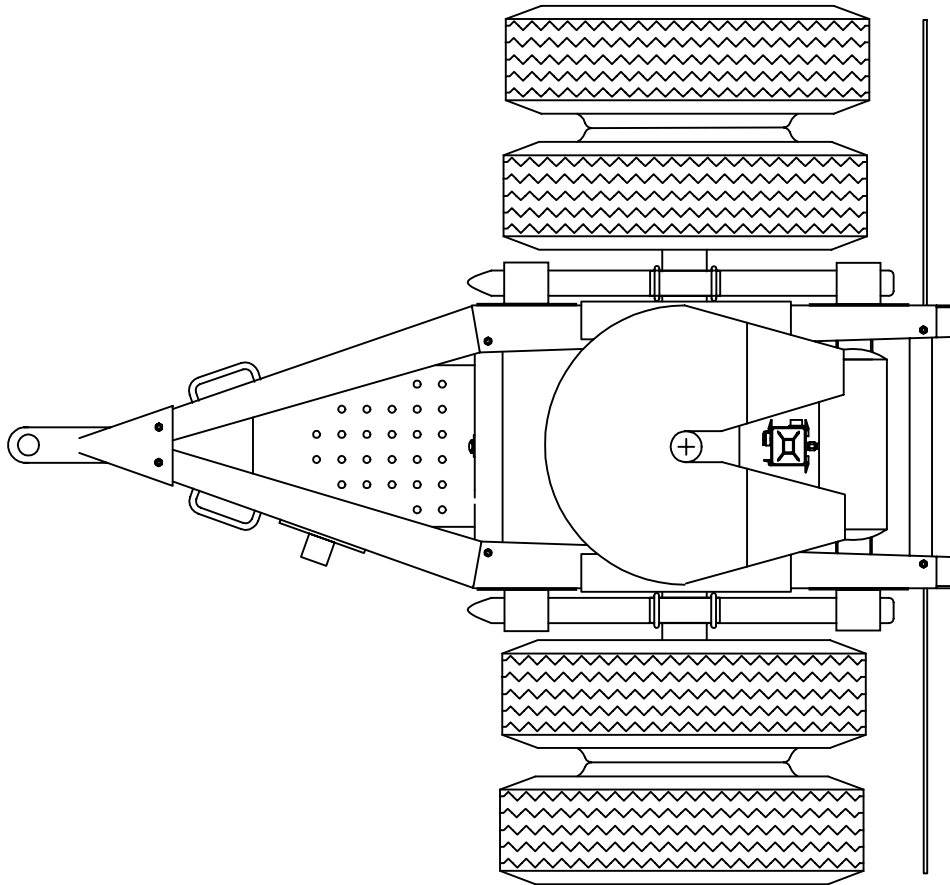
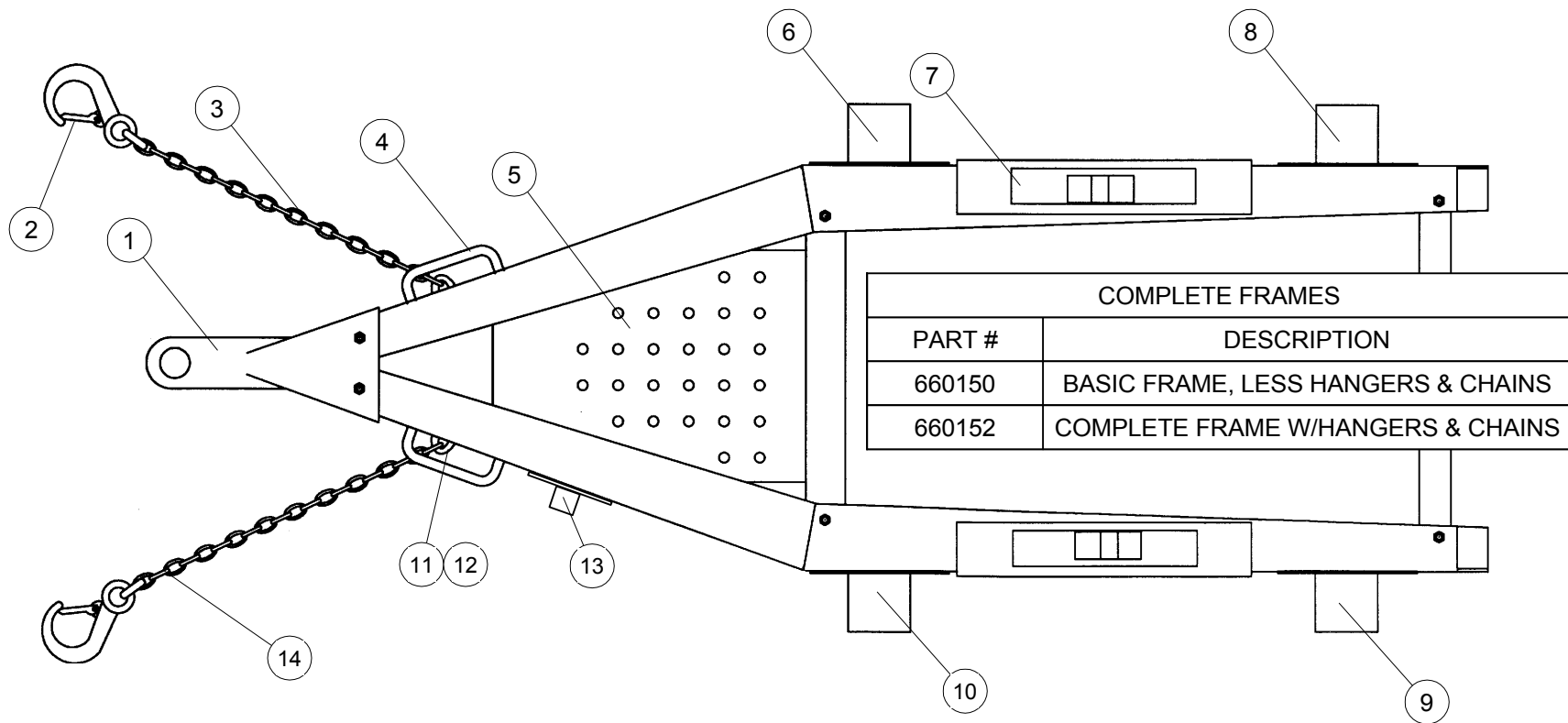


R&L 2000



CONVERTER DOLLIES

KWILOC CORPORATION
7340 DORR STREET
TOLEDO, OHIO 43615
(419) 867-9393
(419) 867-1811 FAX
[HTTP://WWW.KWIKLOC.COM](http://www.kwikloc.com)



ITEM	QTY.	PART NO.	DESCRIPTION
14	1	615859	CHAIN KIT, INC 2)11, 2)12, 2)3
13	1	660078	PIPE STAND, O.S. MOUNT
12	2	616217	U-BOLT BACK UP PLATE
11	2	537317	U-BOLT
10	1	470805	HANGER ASSM. LH FWD
9	1	470785	HANGER ASSM. LH REAR
8	1	470795	HANGER ASSM. RH REAR
7	2	659876	5TH WHEEL FOOT W/ANGLE
6	1	470815	HANGER ASSM. RH FWD
5	1	659898	BASKET
4	2	650017	LIFT HANDLE
3	2	615857	CHAIN, WITH HOOK
2	2	615858	LATCH KIT
1	1	302627	EYE, 72" DRAWBAR

1

FRAME OVERVIEW			
KWIK LOC			
DATE	DWG NO		REV
2/11/99			
SCALE	1 : 1	RL9900102	SHEET 1 OF 1

WARNING

SAFETY ALERT! (1) FOLLOW ALL TORQUE REQUIREMENTS. (2) DO NOT USE ANY COMPONENT WITH VISIBLY WORN OR DAMAGED THREADS. FAILURE TO FOLLOW THESE SAFETY ALERTS CAN LEAD TO LOSS OF VEHICLE CONTROL, PROPERTY DAMAGE, SERIOUS PERSONAL INJURY OR DEATH.

Hutchens Suspension Torque Requirements 9600-9700 Series (Decal Part Number 16086-01 Rev. G)

After an initial break in period, approximately 1000 miles, and at least every 4 months periodically thereafter, ALL bolts and nuts should be checked to insure that recommended torque values are being maintained.

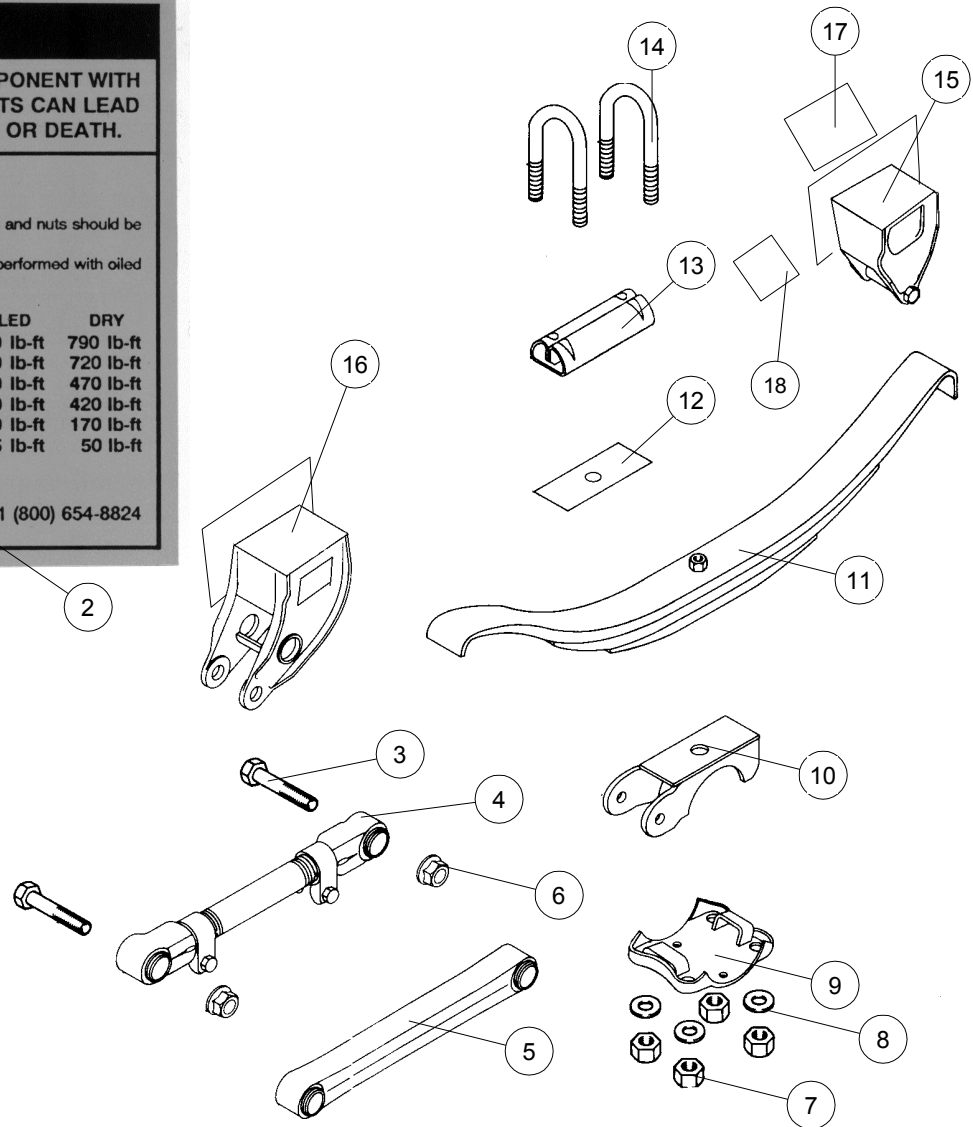
Oiled torque values listed are for new fasteners with lubricated threads. It is recommended that new installations be performed with oiled fasteners. For dry threads which have been in service, use the higher torque values which are noted below.

	OILED	DRY
1 1/8-7 (9600 / 9700 Rocker Bolt)	590 lb-ft	790 lb-ft
1-14 or 1-8 (9700 Radius Rod Bolt)	540 lb-ft	720 lb-ft
7/8-14 (Axle U-Bolts & 9600 Radius Rod Bolt)	350 lb-ft	470 lb-ft
3/4-16 (Axle U-Bolts)	310 lb-ft	420 lb-ft
5/8-18 (Radius Rod Clamp Bolt)	130 lb-ft	170 lb-ft
5/8-18 (Spring Retainer Bolt)	35 lb-ft	50 lb-ft



Hutchens Industries, Inc., P.O. Box 1427, Springfield, Missouri 65801-1427 Toll Free 1 (800) 654-8824

ITEM	QTY.	PART NO.	DESCRIPTION
18	4	470151	GUSSET, HANGER, LOWER
17	4	470651	GUSSET, HANGER, UPPER
16	1	470805	LH FORWARD HGR. ASSM.
-	1	470815	RH FORWARD HGR. ASSM.
15	1	470785	LH REAR HGR. ASSM.
-	1	470795	RH REAR HGR. ASSM.
14	4	660160	U-BOLT 9 1/4"
13	2	471371	TOP PLATE
12	2	471551	WEAR PAD
11	2	471521	SPRING #360 SINGLE LEAF
10	2	471451	SEAT 3/4"
9	2	471421	LOWER PLATE
8	8	471431	FLAT WASHER, U-BOLT
7	8	471441	NUT, 7/8" U-BOLT
6	4	471411	FLANGE LOCKNUT 1"
5	1	471391	TORQUE ARM, FIXED
4	1	471381	TORQUE ARM, ADJ.
3	4	471401	BOLT, TORQUE ARM
2	1		TORQUE SPEC. DECAL



2

SUSPENSION, HUTCH

KWIK LOC

SIZE	FSCM NO	DWG NO	REV
SCALE	1 : 1	G30018	SHEET 1 OF 1

This exploded view diagram illustrates the components of a car seat headrest assembly. The central component is the headrest shell (2). Surrounding it are various mounting and adjustment parts, including:

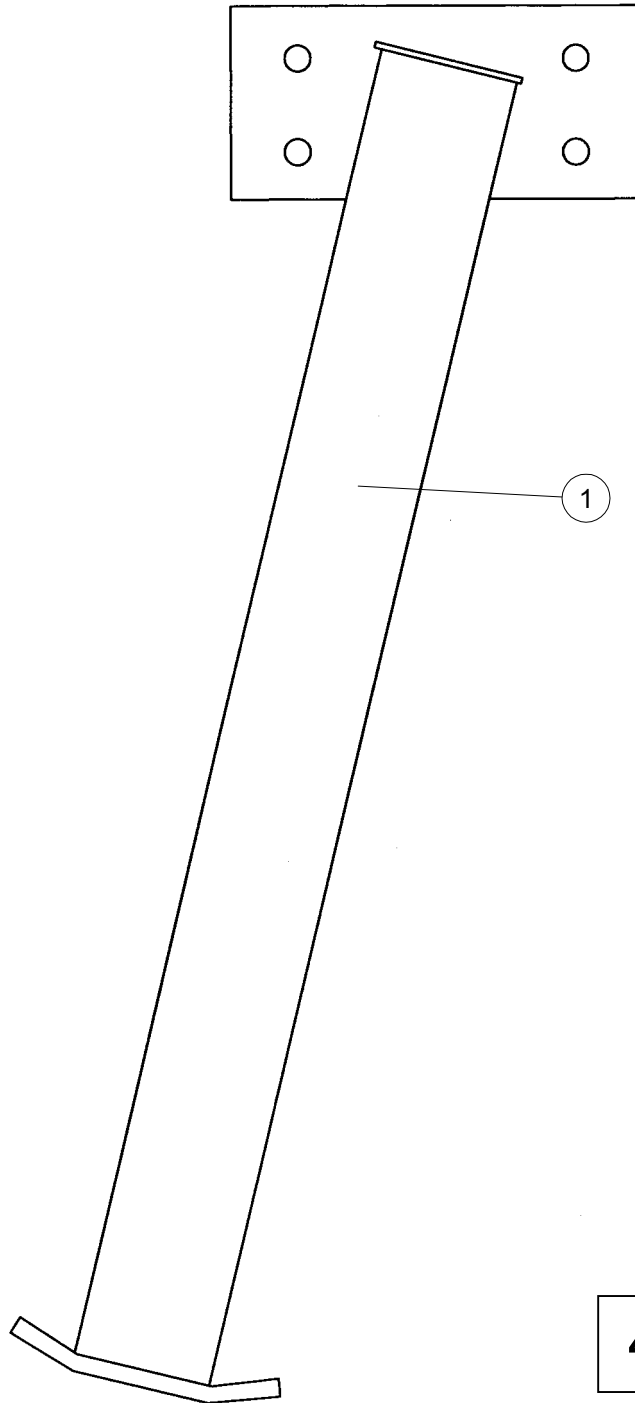
- Top rail assembly (19) with a sliding mechanism (1) and a locking pin (4).
- Adjustment lever (15) and its mounting bracket (14).
- Various pins, springs, and washers (3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 18, 20) used for assembly.
- Bottom rail assembly (19) with a sliding mechanism (1) and a locking pin (4).

 Dashed lines indicate the assembly path and alignment of the components.

ITEM	QTY.	PART NO.	DESCRIPTION
20	2	660165	BRKT. SHOE, STEEL 41-3-09811 (S)
19	2	659876	FOOT & MTG. ANGLE
18	1	660019	5TH. WHEEL ASSM COMPLETE
17	1	659475	PIN, JAW 41-3-09916
16	1	659447	COTTER PIN 84232
15	1	659463	JAW, L.H. 41-4-09930
14	1	659464	COTTER 84261
13	1	659465	PIN, LEVER BAR 54-1-00766
12	1	659466	BAR, LEVER 41-3-0712
11	1	658439	LATCH 41-1-01250
10	1	659473	LATCH PIN 54-1-00711
9	1	659897	OPERATING ROD KIT 40-1-00218
8	1	659474	LOCK SPRING 12-1-00706
7	2	659503	POLY PAD 41-1-00111 (LT,SII)
6	2	659470	RUBBER PAD, O.S 41-1-00746 (S)
5	2	659454	RUBBER PAD STD. 41-1-00707 (S)
4	2	658440	PIVOT PIN 54-1-00705
3	2	659462	COTTER 99-0-00169
2	2	659942	POLY SHOE,41-3-00328 (LT,SII)
1	1	659476	LOCK 41-4-09931

KWIK LOC

SIZE	FSCM NO	DWG NO	REV
SCALE	1 : 1	G30012	SHEET 1 OF 1

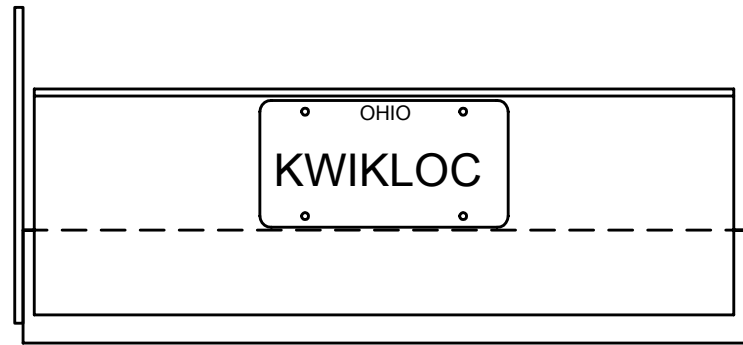
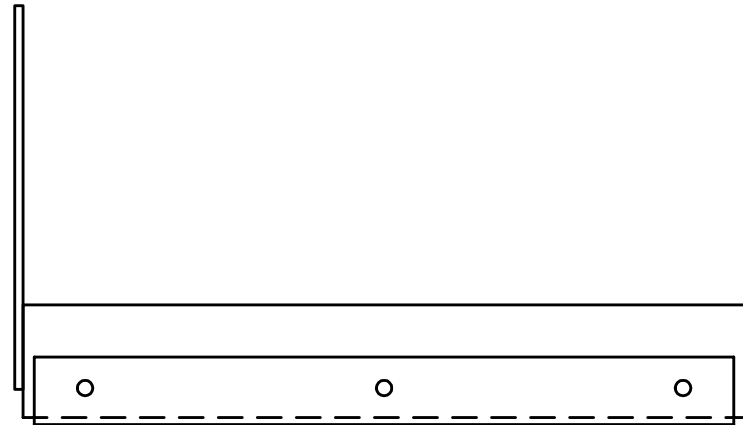
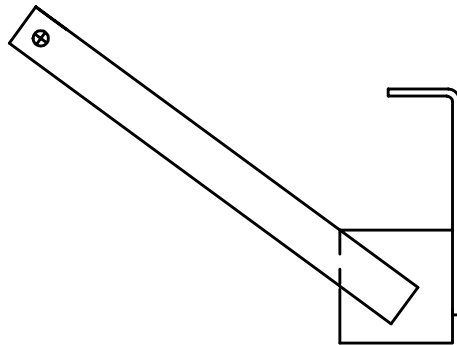


ITEM	QTY.	PART NO.	DESCRIPTION
1	1	660078	PIPE STAND O.S. MOUNT

PIPE STAND, OUTSIDE MOUNT

KWIK LOC

SIZE	FSCM NO	DWG NO	REV
		660078	
SCALE	1 : 1	RL9900100	SHEET 1 OF 1



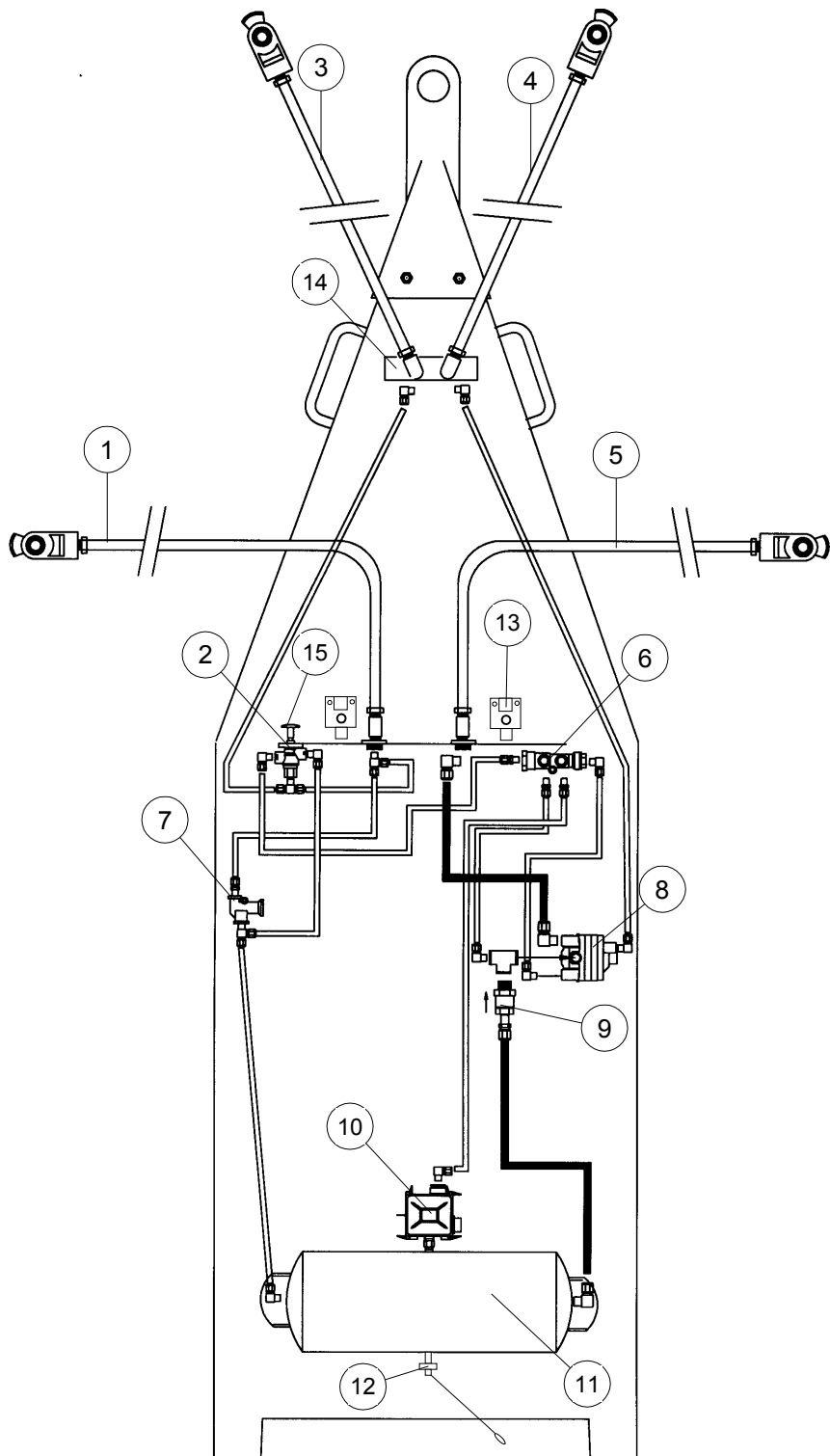
OHIO
KWIKLOC

5

COUNTERWEIGHT ASSM.

KWIK LOC

SIZE	FSCM NO	DWG NO	REV
		660060	
SCALE	1 : 8	RL9900101	SHEET 1 OF 1



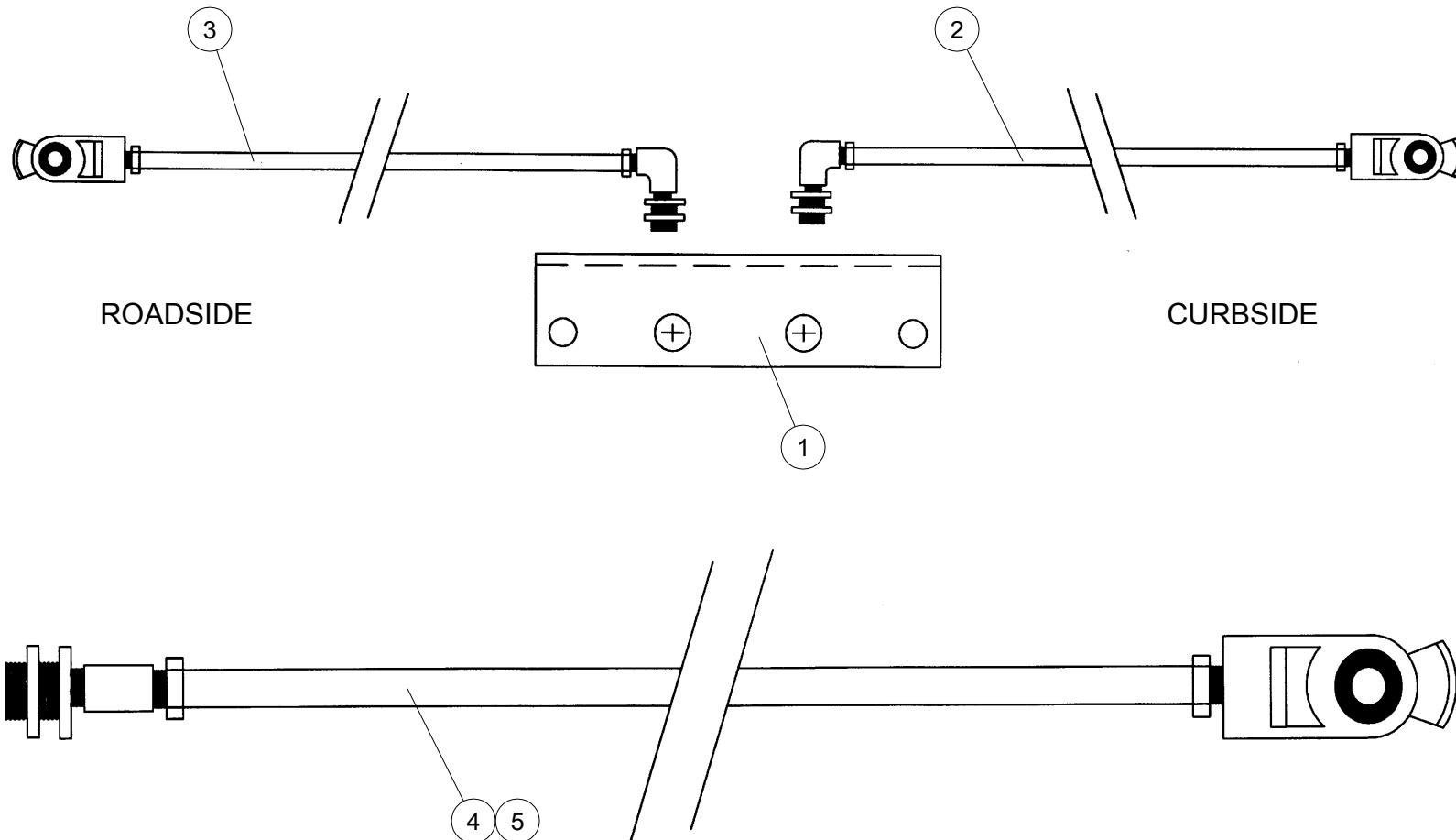
6

ITEM	QTY.	PART NO.	DESCRIPTION
15	1	509211	KNOB KIT, B.R.V.
14	1	658333	BRACKET, HOSE & AC
13	2	658359	DUMMY GLADHAND
12	1	473900	DRAIN VALVE
11	1	606517	AIR TANK, BOTTOM DRAIN
10	1	660112	ECU ASSM. ABS
9	1	660010	CHECK VALVE
8	1	660158	CONTROL LINE VALVE
7	1	660009	PROTECTION VALVE
6	1	659990	EMR. CONTROL VALVE
5	1	660104	HOSE ASSM. 72" SERV.
4	1	660108	HOSE ASSM 48" SERV.
3	1	660109	HOSE ASSM. 48" EMR
2	1	509217	BRAKE RELEASE VALVE
1	1	660105	HOSE ASSM. 72" EMR

PLUMBING

KWIK LOC

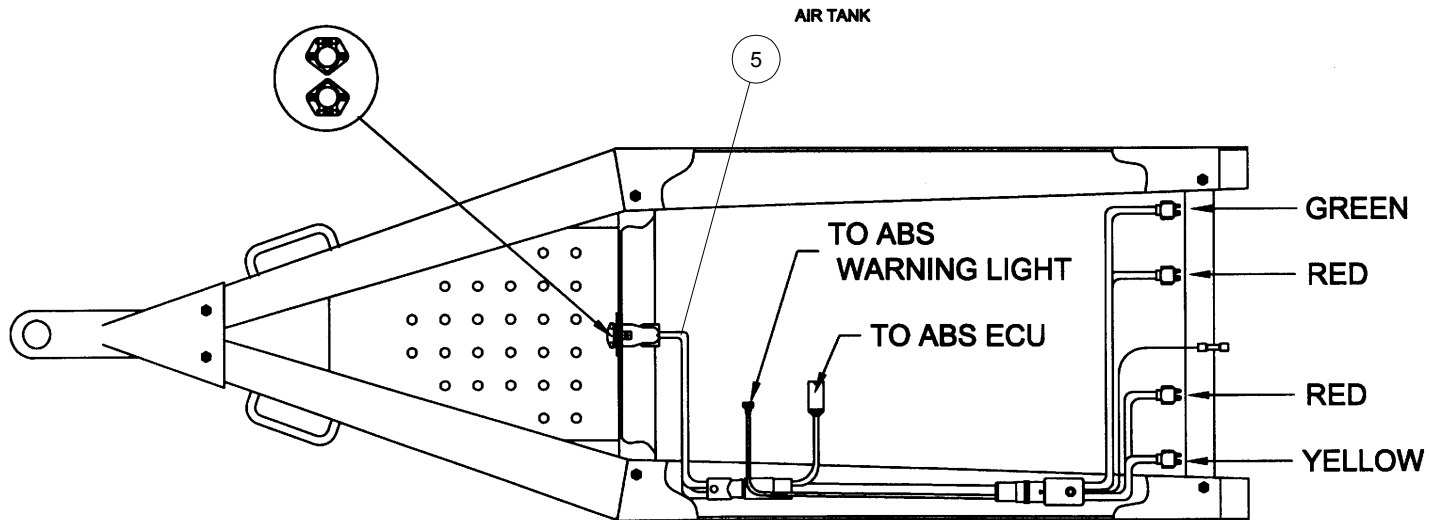
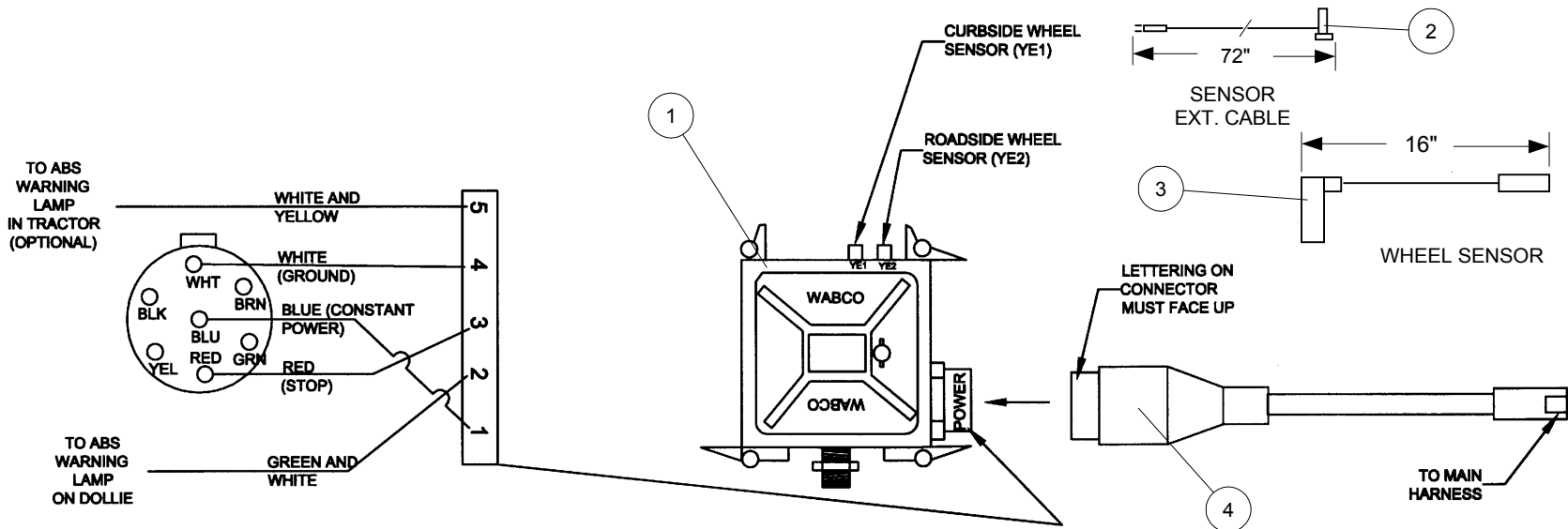
SIZE	FSCM NO	DWG NO	REV
SCALE	1 : 1	G30017	SHEET 1 OF 1



ITEM	QTY.	PART NO.	DESCRIPTION
5	1	660105	EMERG. HOSE ASSM 72"
4	1	660104	SERVICE HOSE ASSM 72"
3	1	660109	EMERG. HOSE ASSM FWD
2	1	660108	SERVICE HOSE ASSM FWD
1	1	658333	BRACKET, HOSE MTG

7

HOSE ASSEMBLIES.			
KWIK LOC			
SIZE	FSCM NO	DWG NO	REV
SCALE	1 : 1	G30016	SHEET 1 OF 1

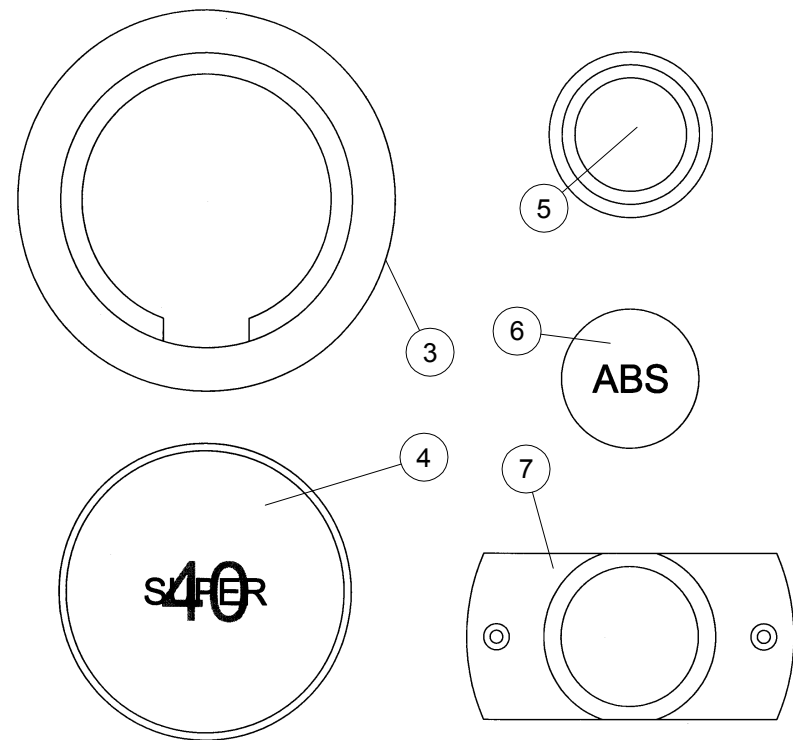
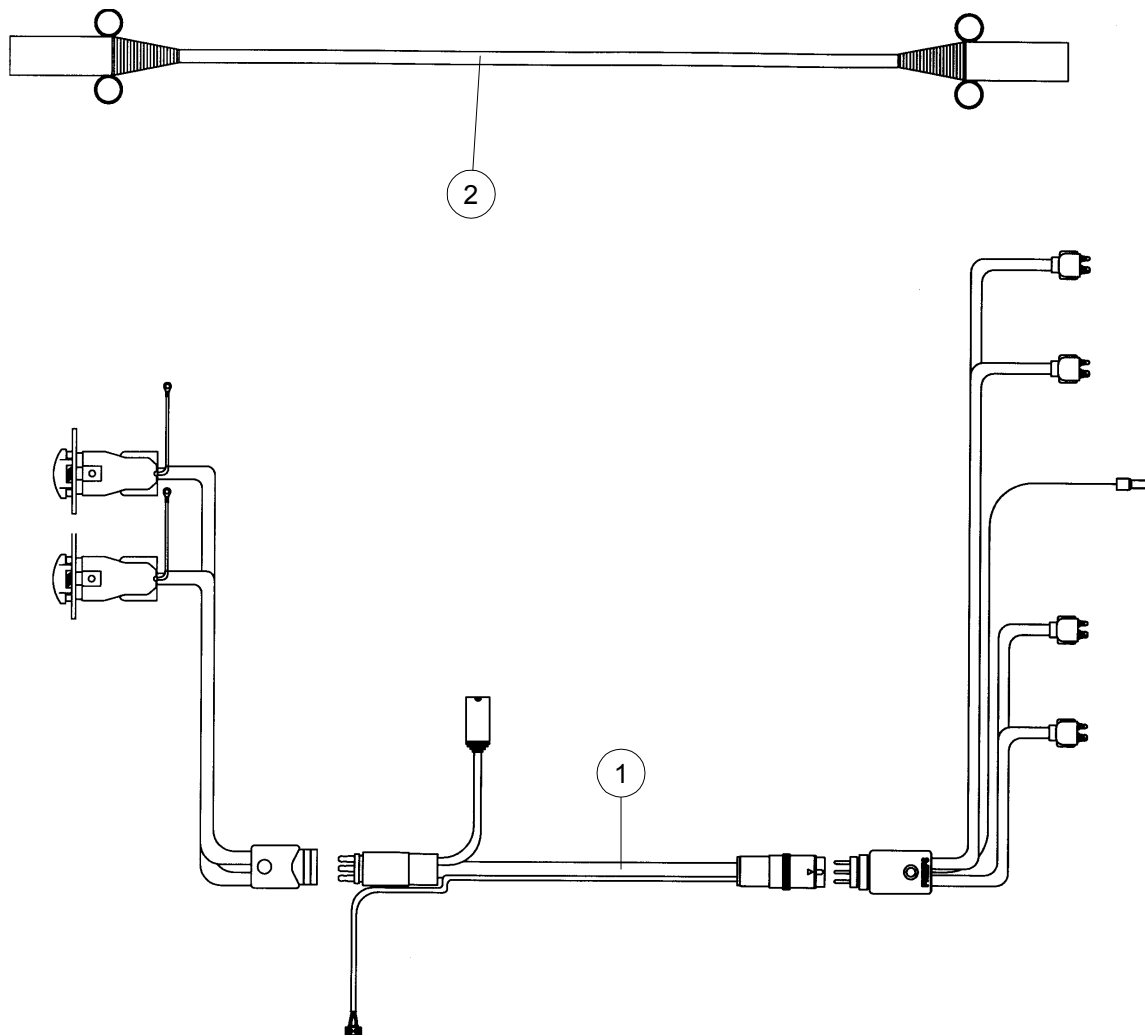


ITEM	QTY.	PART NO.	DESCRIPTION
5	1	660120	WIRING HARNESS W/ABS
4	1	660116	POWER CABLE
3	2	660115	WHEEL SENSOR
2	2	660114	SENSOR EXT. CABLE
1	1	660112	ECU ASSEMBLY

8

WIRING DETAILS KWIK LOC

SIZE	FSCM NO	DWG NO	REV
SCALE	1 : 1	G30019	SHEET 1 OF 1



7	1	660136	MOUNTING BRACKET
6	1	660132	LAMP, ABS, YELLOW
5	1	660134	GROMMET
4	4	611317	LAMP, SUPER 40
3	4	612117	GROMMET, SUPER 40
2	2	660128	LIGHT CORD, STRAIGHT ABS
1	1	660120	WIRING HARNESS

9

WIRING HARNESS			
KWIK LOC			
SIZE	FSCM NO	DWG NO	REV
SCALE	1 : 1	G30020	SHEET 1 OF 1

NUTS AND BOLTS

PLEASE SPECIFY GRADE (GR5 OR GR8)

	¾" L	1"L	1 ¼"L	1 ½"L	1 ¾"L	2"L	2 ¼"L	2 ½"L	2 ¾"L	
¼-20	81420-12	81420-16	81420-20	81420-24	81420-28	81420-32	81420-36	81420-40		¼-20
5/16-18	851618-12	851618-16	851618-20	851618-24	851618-28	851618-32	851618-36	851618-40		5/16-18
3/8-16	83816-12	83816-16	83816-20	83816-24	83816-28	83816-32	83816-36	83816-40	83816-44	3/8-16
½-13		81213-16	81213-20	81213-24	81213-28	81213-32	81213-36	81213-40	81213-44	½-13
½-20										½-20
5/8-11			85811-20	85811-24	85811-28	85811-32	85811-36	85811-40	85811-44	5/8-11
¾-10				83410-24	83410-28	83410-32	83410-36	83410-40	83410-44	¾-10
¾-16										¾-16
7/8-9					8789-28					7/8-9
1-8								818-40		1-8

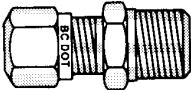
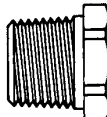
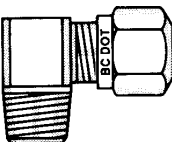
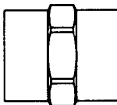
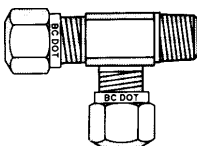
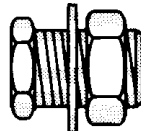
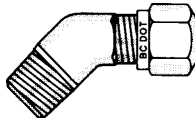
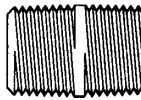
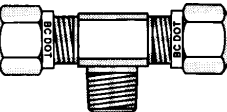
	3 ½"L	4 ½"	5"	HEX NUT	LOCK NUT	FLANGE LOCK NUT	SPLIT LOCK WASHER	SAE FLAT WASHER	
¼-20					81420-03			81400-02	¼-20
5/16-18		851618-72			851618-04			85160-02	5/16-18
3/8-16				83816-01	83816-04		83800-03	83800-02	3/8-16
½-13		81213-72		81213-01	81213-03		81200-03	81200-02	½-13
½-20							81200-03	81200-02	½-20
5/8-11					85811-03	85811-04		85800-02	5/8-11
¾-10						83410-04			¾-10
¾-16				83416-01					¾-16
7/8-9					87809-04				7/8-9
1-8	818-56		818-80	81008-01	81008-04			81000-02	1-8

10

FASTENERS

KWIK LOC

SIZE	FSCM NO	DWG NO	REV
SCALE	1 : 1	SHEET	1 OF 1

TUBE SIZE			3/8"	1/2"	5/8"	REDUCER	SIZE	PART #
	N P T	1/4"	70014-686	70014-6884			3/8"-1/4"	70032-2064
		3/8"	70014-6866	70014-6868			70014-68106	1/2"-1/4"
		1/2"	70014-688	70014-6888	70014-6810	BUSHING	1/2"-3/8"	70032-2086
	N P T	1/2"	70014-696	70014-6984			3/4"-1/2"	70032-20128
		3/8"	70014-6966	70014-698			70014-69106	1/2"
		1/2"	70014-6968	70014-6988	70014-6910	COUPLER	3/4"	70033-0012
	N P T	1/4"	70014-716				SMALL	510017
		3/8"	70014-71666				70014-698	LARGE
		1/2"				BOLT	1/2"	70033-268
	N P T	3/8"					3/4"	70033-2612
							1/8"	70031-522
		1/2"	70014-806	70014-8084			1/4"	70031-524
	N P T	3/8"	70014-8066	70014-808		3/8"	70031-526	
		1/2"		70014-8088	70014-8010	1/2"	70031-528	
		3/4"	70014-806	70014-8084		3/4"	70031-5212	
AIR FITTINGS								
KWIK LOC								
SIZE		FSCM NO		DWG NO			REV	
SCALE		1 : 1		G30015		SHEET		1 OF 1

11

1999 R & L CONVERTER DOLLIE PRICE LIST

PART #	DESCRIPTION	PRICE	PAGE #
302627	72" EYE	158.28	1
470151	GUSSET, CON GEAR SPRING HGR. SMALL 1/4X2 1/2X3	2.45	2
470291	REAR CROSSMEMBER	68.00	2
470651	GUSSET CON-GEAR SPRING HGR. LARGE 1/4X4 1/2X5	3.32	2
470785	LH REAR HGR. W/ PLATE CON-GEAR	100.09	1
470795	RH REAR HGR. W/PLATE CON-GEAR	100.09	1
470805	LH FWD HGR. W/PLATE CON-GEAR	118.32	1
470815	RH FWD HGR. W/PLATE CON-GEAR	118.32	1
471371	TOP PLATE SPRING SUSP. HUTCH, HALF ROUND	15.22	2
471381	TORQUE ARM, ADJ.	82.51	2
471391	TORQUE ARM, NON-ADJ. HUTCH	59.84	2
471401	BOLT, TORQUE ARM, HUTCH	5.30	2
471411	LOCK NUT, FLANGED ,FOR TORQUE ARM BOLT, HUTCH	2.50	2
471421	BOTTOM PLATE SUSP. HUTCH, UNDER AXLE	17.31	2
471431	FLAT WASHER, U-BOLT, HUTCH SUSP.	1.40	2
471441	HEX NUT (NON LOCK) FOR U-BOLT HUTCH SUSP.	1.35	2

471521	SPRING, SINGLE LEAF, STD. #360	54.92	2
471551	DERLIN WEAR PAD, HUTCH BETWEEN SPRING AND TOP PLATE	5.21	2
473900	DRAIN VALVE WITH 20" CABLE	6.10	6
509211	KNOB KIT BRAKE RELEASE VALVE	5.14	6
509217	BRAKE RELEASE VALVE	35.62	6
537317	U-BOLT, SAFETY CHAIN	9.63	1
606517	AIR TANK, TOP MTG., BOTTOM DRAIN	47.90	6
611317	TAIL LITE LAMP ONLY SUPER 40	4.51	9
612117	GROMMET FOR SUPER 40 LIGHT	2.55	9
615857	SUB ASSY CHAIN DOLLY W/HOOK & LATCH, GR70 1/2" X 3'	49.14	1
615858	LATCH KIT, FOR DOLLIE SAFETY CHAIN	7.83	1
615859	CHAIN KIT, COMPLETE FOR 1 DOLLIE	103.26	1
616217	BACK-UP PLATE, SAFETY CHAIN U-BOLT	3.35	1
650017	HANDLE, FRAME LIFT	6.44	1
658333	BRACKET, AIR CHAMBER,ADJ. EYE, CONVERTER DOLLIE	16.32	7
658359	DUMMY GLADHAND, VELVAC STAMPED STEEL	5.60	6
658439	SAFETY LATCH, ASF 5TH. WHEEL ASF # 41-1-01250	13.39	3
658440	PIVIOT PIN, ASF 5TH. WHEEL ASF #54-1-00705	19.63	3

659462	COTTER PIN,5TH WHEEL PIVOT PIN ASF #99-0-00169	3.58	3
659463	JAW SIMPLEX 5TH WHEEL L.H. ASF # 41-4-9930	77.49	3
659465	PIN LEVER BAR SIMPLEX 5TH WHEEL, ASF # 54-1-00766	2.79	3
659466	LEVER BAR, 5TH. WHEEL ASF # 41-3-00712	20.30	3
659473	PIN, FOR SAFETY LATCH ASF 54-1-00711	4.02	3
659474	LOCK SPRING #12-1-00706	9.22	3
659475	ECCENTRIC PIN, JAW #41-3-09916	37.25	3
659476	LOCK #41-4-09931	53.19	3
659477	COTTER, ECCENTRIC	2.18	3
659503	POLYURETHANE PAD,SIMPLEX 2 & LITE ASF # 41-1-00111	22.50	3
659876	5TH WHEEL MTG. ANGLE W/FOOT (9960)	135.00	1
659897	OPERATING ROD KIT	40.06	3
659898	BASKET CON-GEAR NEW STYLE	23.85	1
659942	POLY BRACKET SHOE ,SIMPLEX 5TH WHEEL ASF# 41-3-00328	61.55	3
659990	EMERGENCY CONTROL VALVE, ABS	18.99	6
660009	PRESSURE PROTECTION VALVE, ABS DOLLIES	11.54	6
660010	CHECK VALVE	11.72	6
660019	5TH WHEEL ASSM COMPLETE	585.00	3

660060	COUNTERWEIGHT, ASSM.	218.00	5
660078	PIPE STAND, CON GEAR, OUTSIDE MOUNT	31.50	4
660104	HOSE ASSM. 72" SERVICE GH SR3812VS72GS338	25.03	7
660105	HOSE ASSM. 72" EMG. GH SR3812VS72GE338	25.03	7
660108	HOSE ASSM. 48" SER. GH ELBOW SR3812VS48GS358	23.43	7
660109	HOSE ASSM. 48" EMG. GH ELBOW SR3812VS48GE358	23.43	7
660112	ECU 2S/1M 472-500-011-0	310.00	6
660114	SENSOR EXTENSION CABLE, WABCO ABS	11.57	8
660115	WHEEL SENSOR, WABCO ABS	55.58	8
660116	POWER CABLE, WABCO ABS	43.79	8
660120	WIRING HARNESS 4 LITE WITH ABS, TWO RECEPTACLES	65.12	9
660128	LIGHT CORD, ABS STRAIGHT, 10 FT.	33.78	9
660132	ABS WARNING LITE, BULB ONLY	5.10	9
660134	GROMMET MODEL 30 LAMP	1.24	9
660136	SURFACE MTG. BRKT, MODEL 30 LITE	4.10	9
660150	BASIC FRAME, LESS HANGERS & CHAINS	1,261.00	1
660152	COMPLETE FRAME, W/HANGERS & CHAINS	1,560.00	1
660158	CONTROL LINE VALVE	35.20	6