





PARTS MANUAL VOYAGER I & II MECHANICS SERVICE TRUCK

For service and maintenance, Contact the Call & Information Center at 833-CT1S-911 (833-281-7911) or email: CIC@CUSTOMTRUCK.COM.

MANUAL P/N: BDY00902

APRIL 30. 2019

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1.0 INTRODUCTION

Company

Load King has been producing quality trailers since 1956. We are located in Elk Point, South Dakota.

Although the trailer industry is an ever-changing environment and we've seen many changes over the years, we have remained committed to the simple philosophy that we will make a reasonable profit through the designing, manufacturing, and marketing of top quality products that we can always be proud to call Load King. We have not, and will not, compromise in this area.

Quality shows in all facets of an operation, from the moment you make your first phone call for a product inquiry to the time you sell your used equipment and realize you've received top dollar on your sale. We continue to strive for excellence in every area and never quit trying to improve. We have earned our reputation believing that quality is value and value sells products.

Through our shared Engineering, Marketing and Sales teams, Load King and Custom Truck One Source bring that tradition of quality and value to another market with the Load King Mechanics Service Truck.

About Custom Truck One Source

Beginning in February of 2015, three family-owned and operated companies (Custom Truck & Equipment, Utility Fleet Sales and Forestry Equipment of VA) joined together to form what is now Custom Truck One Source. Shortly after its inception, UCO Equipment became a part of the CTOS family along with TNT Equipment six months later. In December 2015, CTOS welcomed its sixth company under its brand, Load King, a leading manufacturer of high-quality and customizable trailers.

The announcement of the partnership represented the platform's collective commitment to the continued growth and dominance of each legacy company's individual offerings, now compounded to leverage the expertise of the team and, ultimately, better serve loyal CTOS customers all over the world. CTOS will build upon the market positions of each legacy company, while serving as a single source supplier of specialty equipment and services for the utility and heavy equipment industries. The utility and heavy equipment platform collectively offers sales, rentals, parts and after market services, remanufacturing, customized equipment and transportation.



2.0 Definitions Used in this Manual

The following table describes text and symbols used to highlight important information.

Signal Word	Symbol	Explanation
WARNING	<u> </u>	WARNING IS USED TO ALERT READERS ABOUT THE POTENTIAL FOR SERIOUS INJURY OR DEATH OR SERIOUS DAMAGE TO EQUIPMENT

3.0 SAFETY WARNINGS



WARNING: All repairs, adjustments and maintenance not described in the Operator's Manual must be performed by Qualified Service Personnel.



WARNING: Hydraulic system components can contain high pressures of which, if suddenly or unexpectedly released, can cause serious injury or death by direct contact with pressurized oil or by contact with moving machine components.



WARNING: Compressed air system components can contain high pressures of which, if suddenly or unexpectedly released, can cause serious injury or death by direct contact with the pressurized air or by contact with moving machine components. NEVER drive vehicle with pressure in air tank.



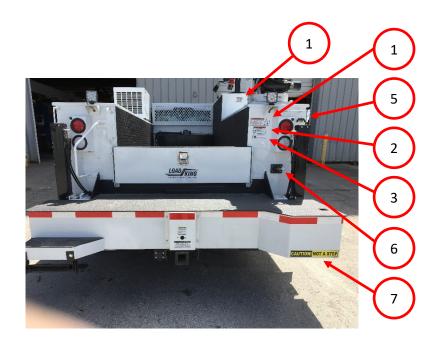
4.0 DECAL PLACEMENT





ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	U/M
1	BDY0016-105	DECAL- FALL HAZARDS	3	EA
2	BDY10016-103	DECAL- ELECTROCUTION HAZARD	4	EA
3	BDY10016-104	DECAL- FALL HAZARD	3	EA
4	BDY10016-114	DECAL- AIR TANK DRAIN	1	EA
5	BDY10016-115	DECAL- EXPLODING AIR TANK	2	EA
6	BDY10016-116	DECAL- WARNING STABILIZER CRUSHING HAZARD	2	EA
7	BDY10016-122	DECAL- FIRE EXTINGUISHER INSIDE	3	EA
8	BDY10016-128	AVOID INJURY (OUTRIGGER)	2	EA
9	BDY10016-106	DECAL- CAUTION WELDING DAMAGE	1	EA



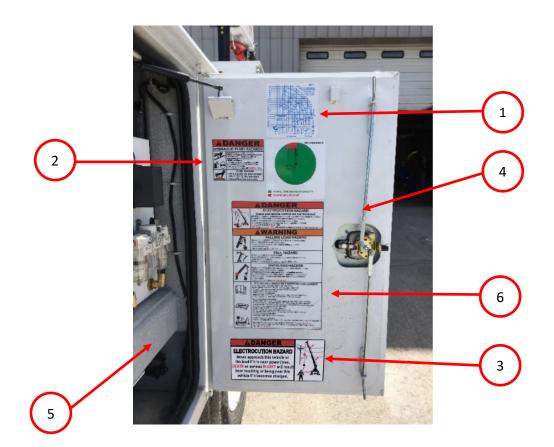






ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	U/M
1	BDY0016-105	DECAL- FALL HAZARDS	3	EA
2	BDY10016-103	DECAL- ELECTROCUTION HAZARD	4	EA
3	BDY10016-104	DECAL- FALL HAZARD	3	EA
4	BDY10016-117	DECAL- HITCH	1	EA
5	BDY10016-121	LEVEL, HOPKINS	1	EA
6	BDY10048	AIR HOSE GUIDE	1	EA
7	BDY10016-120	DECAL - NOT A STEP	1	EA
8	BDY10016-107	DECAL - EQUIP DAMAGE WELDING	1	EA
9	BDY10016-117	DECAL - RECEIVER RATING	1	EA



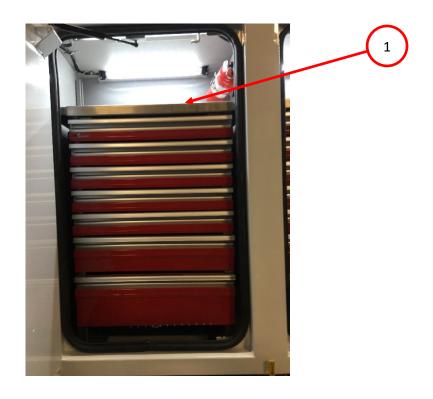


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	U/M
1	*	LOAD CHART	3	EA
2	BDY10016-104	DECAL- FALL HAZARD	2	EA
3	BDY10016-123	DECAL- ELECTROCUTION HAZARD	4	EA
4	BDY20071	LOCK MECHANISM 44" DOOR	2	EA
4	BDY20076	LOCK MECHANISM 52" DOOR	2	EA
5	BDY10016-130	DECAL- OUTRIGGER LAYOUT	1	EA
6	BDY10016-108	DECAL - DANGER/WARNING	1	EA

^{*} Load charts do vary depending upon configuration. Contact Call & Information Center for load chart part number. Please provide serial number and crane model.

5. PARTS

TOOL DRAWER STREET SIDE



TOOL DRAWER OVER WHEEL WELL



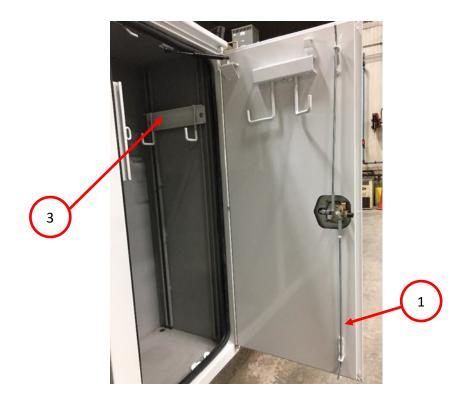
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	U/M
1	BDY00135	VOYAGER I, TOOL DRAWER SET, RED	2	EA
1	BDY00140	VOYAGER II, TOOL DRAWER SET, RED	2	EA
2	BDY00136	BARN DOOR, TOOL DRAWER WHEEL WELL, RED	2	EA
2	BDY00381	ROLL UP DOORS, TOOL DRAWER WHEEL WELL, RED	2	ΕA



STREET SIDE REAR COMPARTMENT



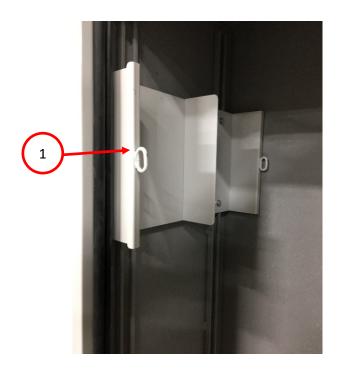
OXY/ACETYLENE COMPARTMENT



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	U/M
1	BDY20072	LOCK MECHANISM 60", DOOR	4	EA
2	DBY20073	STREET SIDE REAR SHELF	3	EA
3	DBY20074	CORD HANGER, FOR UNISTRUT	1	EA



BOTTLE BRACKET



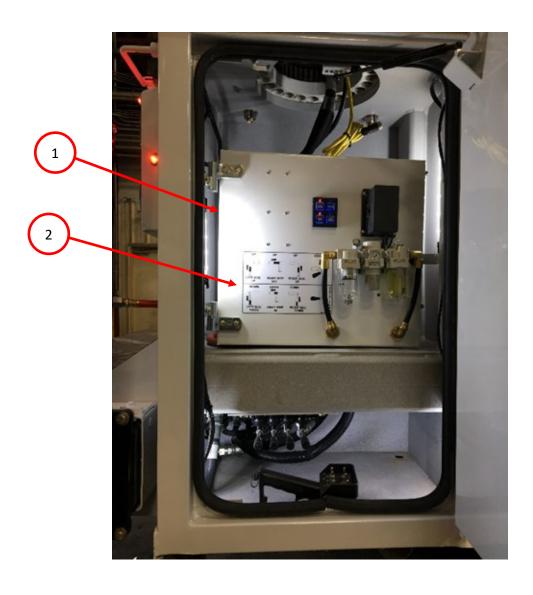
CURB SIDE FRONT SHELVES



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	U/M
1	BDY20075	BOTTLE BRACKET	1	EA
2	BDY20076	SERIES I CURB SIDE FRONT SHELF	3	EA
2	BDY20077	SERIES II CURB SIDE FRONT SHELF	3	EA
3	BDY20072	LOCK MECHANISM 60", DOOR	3	FA



CRANE COMPARTMENT

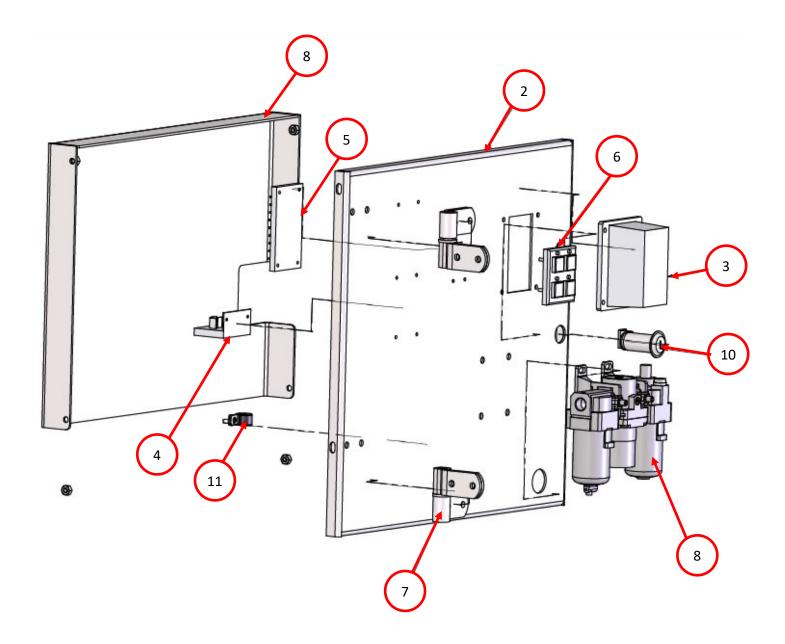


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	U/M
1	BDY10032 THRU 4/19	CONTROL PANEL ASSY COMPLETE	1	EA
2	BDY10016-130	DECAL—OUTRIGGER LAYOUT	1	FA



CRANE COMPARTMENT

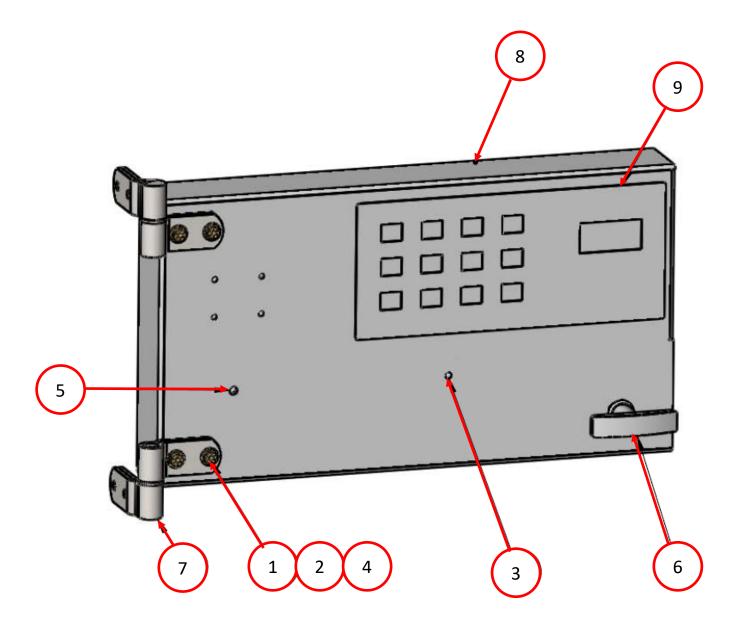
BDY10032 THRU APRIL 2019



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	U/M
1	BDY10032 THRU 4/19	CONTROL PANEL ASSY COMPLETE	1	EA
2	BDY10032-01	FRONT PANEL SHEET METAL	1	EA
3	CCA5110	RELAY BOX AND FUSE	1	EA
4	VCMR-01	LATCHING RELAY	1	EA
5	VCMS-SP01 LOWER HALF	SWITCH PANEL 4 POSITION	1	EA
6	VCMS-SP01 UPPER HALF	SWITCH PANEL 4 POSITION	1	EA
7	1151A950	HINGE, ZP	2	EA
8	BDY20042	FILTER/ REGULATOR ASSY	1	EA
9	BDY10032-10	BACK PANEL WLDMT.	1	EA
10	1337A35	SLOTTED CAM LATCH	1	EA
11	8863T14	1/2" LOOP CLAMP	1	EA
12	JB3816-2BK	JUNCTION BLOCK SINGLE POST BLACK	1	EA
13	JB3816-2RD	JUNCTION BLOCK SINGLE POST RED	1	EA



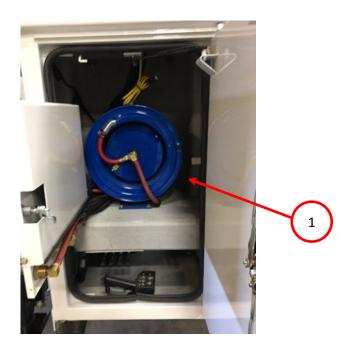
BDY00251 AFTER APRIL 2019



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	U/M
1	92620A542	HEX CAP SCREW 1/4-20 X 1 YZ GR8	8	EA
2	NNUT-04-20-YZGR8	1/4-20 NYLOCK NUT YZ GR8	8	EA
3	8863T14	1/2" Loop Clamp	1	EA
4	FWSHR-04-YZGR8	1/4 DIA FLAT WASHER YZ GR8	8	EA
5	8863T19	P-CLAMP 1-14" ID X 1 LG	1	EA
6	BDY20032	T HANDLE COMPRESSION LATCH	1	EA
7	1151A950	HINGE, ZP	2	EA
8	BDY00247	CONTROL PANEL WELDMENT	1	EA
9	38029	12 BUTTON KEYPAD	1	EA



HOSE REEL



WHEEL WELL & TRIM



<u> </u>				
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	U/M
1	BDY20040	HOSE REEL 1/2" HOSE X 50'	1	EA
2	BDY00169	WHEEL CHOCK TRIM, PRIOR TO 4/19	2	EA
2	1006363	WHEEL CHOCK TRIM, AFTER 4/19	2	EA
3	AUR IMXGT-2055	WHEEL CHOCK	2	EA
4	1003789	PENDULUM. WHEEL CHOCK HOLDER	2	EA



WHEEL WELL RIGHT HAND DOOR



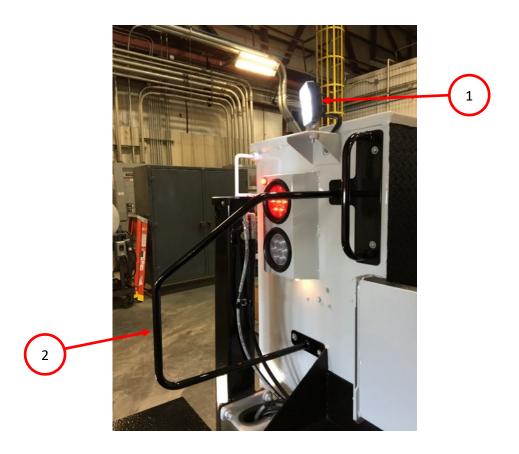
WHEEL WELL LEFT HAND DOOR



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	U/M
1	BDY20077	GAS SHOCK	2	EA
2	BDY20078	VOYAGER I, RH WHEEL WELL LATCH	2	EA
2	BDY20079	VOYAGER II, RH WHEEL WELL LATCH	2	EA
3	BDY20080	VOYAGER I, LH WHEEL WELL LATCH	2	EA
3	BDY20081	VOYAGER II, LH WHEEL WELL LATCH	2	EA



TAILSHELF EQUIPMENT



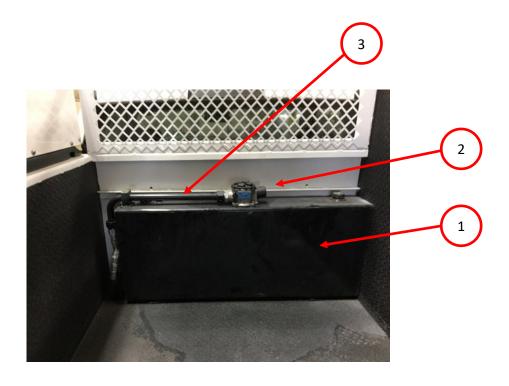
TAILGATE



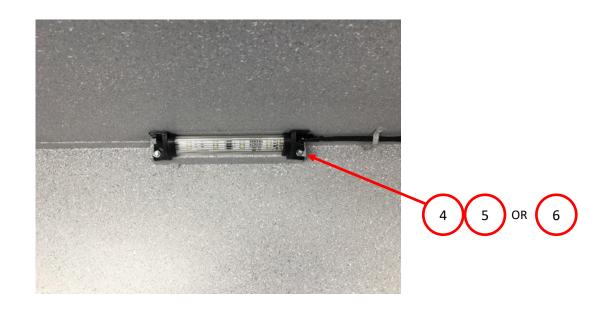
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	U/M
1	BDY20038	4" x 4" WORK LIGHT	4	EA
2	BDY20882	GRAB HANDLE	1	EA
3	BDY20083	TAILGATE LATCH	1	EA



HYDRAULIC TANK



COMPARTMENT LIGHTS 6", 12" & 18"



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	U/M
1	QT H11-0003-0528	HYDRAULIC TANK 21 GAL	1	EA
2	BDY20069	HYDRAULIC RETURN FILTER	1	EA
3	BDY00208	TUBE ASSY.	1	EA
4	BDY20035	6" COMPARTMENT LIGHT	AR	EA
5	BDY20036	12" COMPARTMENT LIGHT	AR	EA
6	BDY20037	18" COMPARTMENT LIGHT	AR	EA



BOOM TIP LIGHT



BOOM REST



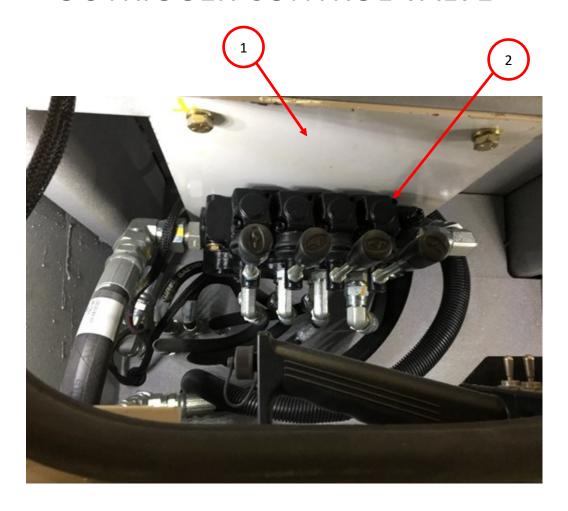
BDY00015 SHOWN
BDY00001 FOR HEX BOOMS

LOAD KING BY CUSTOM TRUCK (1) SOURCE

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	U/M
1	BDY00147	BOOM TIP WORK LIGHT KIT COMPLETE	1	EA
2	BDY00147-01	LIGHTING STANDOFF	1	EA
3	BDY10042	WORK LIGHT SWIVEL MOUNTED	1	EA
4	BDY00147-02	LIGHT MTG. ARM	1	EA
5	BDY20001-08	SLEEVE BEARING 1/2 ID X 3/4 OD X 3/8 W	1	EA
6	BDY00015	BOOM STOW FOR HEX BOOM	1	EA
7	BDY00001	BOOM STOW FOR FLAT BOOM	1	EA



OUTRIGGER CONTROL VALVE



EITEM NO.	PART NUMBER	DESCRIPTION	QTY.	U/M
1	BDY10034	VALVE MOUNTING PLATE, AUTOCRANE	1	EA
1	BDY00293	VALVE MOUNTING PLATE, LOAD KING	1	EA
2	BDY20067	4-SPOOL OUTRIGGER CONTROL VALVE AUTOCRANE	1	EA
2	BDY20009	4-SPOOL OUTRIGGER CONTROL VALVELOAD KING	1	EA

THRU APRIL 2019

AIR COMPRESSOR SYSTEM PARTS



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	U/M
81	BDY20039	LOAD KING AIR COMPRESSOR 40 CFM	1	EA
82	BDY20041	AIR TANK, 12.3 GAL, 12" x 27.5" (VOYAGER II)	2	EA
83	BDY10051-01	TANK MTG BRKT, LH SERIES II	1	EA
84	BDY10051-02	TANK MTG BRKT, RH SERIES II	1	EA
85	BDY10035	AIR TANK DRAIN ASSY	1	EA
86*	HOS12107	AIR TANK, 12.3 GAL, 12" x 27.5"	1	EA
87*	HOS8052	AIR TANK, 6.2 GAL, 8" x 32"	1	EA

*AIR TANKS VARY ON VOYAGER I

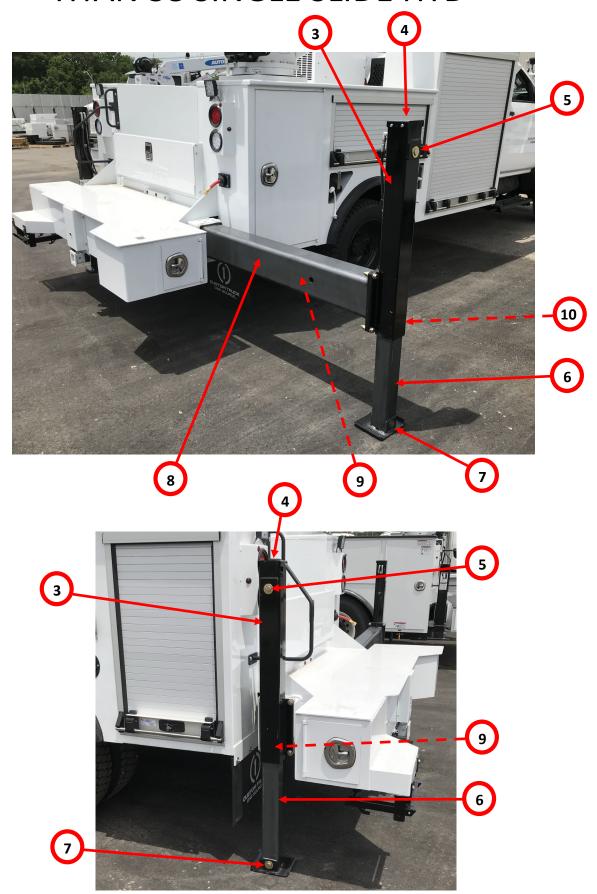
PARTS NOT SHOWN BELOW



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	U/M
88	ECC 510	ALARM,BACK-UP, 97DB 12 VDC	1	EA
89	LSC 466425	5LB ABC FIRE EXTINGUISHER	1	EA
90	HBV150	HYDRAULIC TANK BALL VALVE 1-1/2"	1	EA
91	RS1	TRUCK STEPS RETRACTABLE1 RUN	1	EA
92	BC4APD	Brake Controller, Digital, 4 Axle Proportional	1	EA
93	MFW2375	**(PAIR)** MUD FLAP BOLTING PLATES	1	EA
94	RS1	TRUCK STEPS RETRACTABLE1 RUN	1	EA
95	CCA5110	REMOTE RELAY BOX	1	EA
96	BDY00288	WIRE HARNESS 12 BUTTON CONTROL	1	EA
97	054002	7-WAY PLUG SOCKET FOR RV	1	EA
98	054017	BOOT, 7-WAY RECEPTACLE, 593083	2	EA
99	CB-185-80F	MANUAL RESET BREAKER 80AMP	1	EA
100	764A	LIGHT-STROBE-LED	1	EA



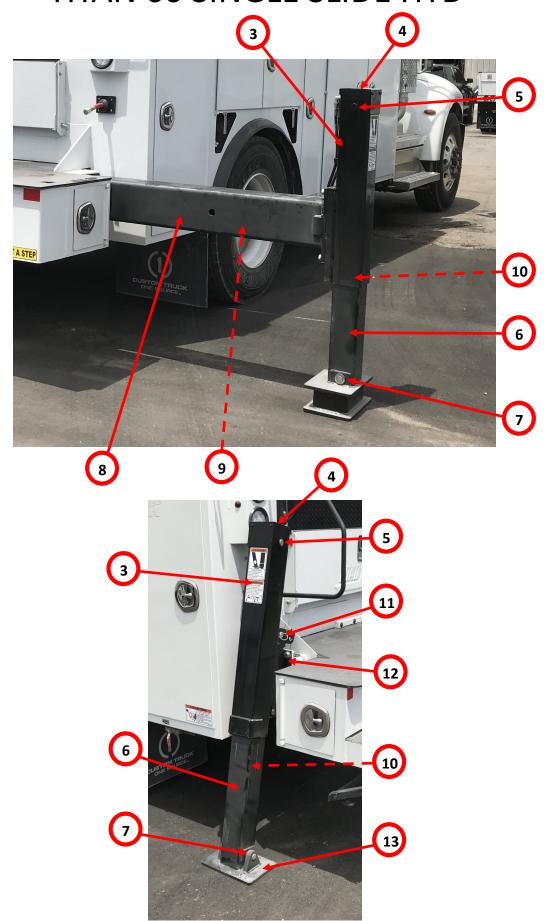
TITAN 38 SINGLE SLIDE HYD



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BDY20114	OUTRIGGER ASSY, CS, COMPLETE	
2	BDY20115	OUTRIGGER ASSY, SS, COMPLETE	
3	BDY20095	UPPER STABILIZER TUBE	
4	BDY20096	TOP CAP	
5	BDY20097	UPPER PIN	
6	BDY20098	LOWER STABILIZER LEG	
7	BDY20099	LOWER PIN	
8	BDY20100	EXTENDING LEG	
9	BDY20101	EXTEND CYLINDER	
10	BDY20102	UPRIGHT EXTEND CYLINDER	



TITAN 60 SINGLE SLIDE HYD

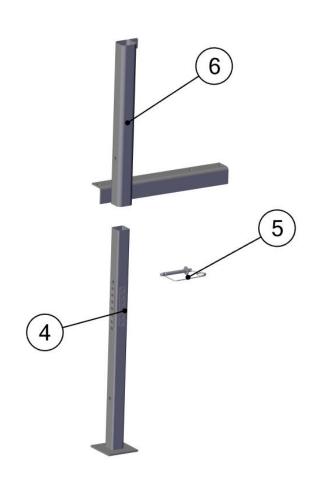


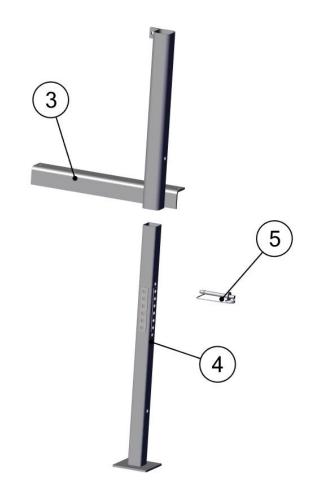
PART NUMBER	DESCRIPTION	QTY.
BDY20116	OUTRIGGER ASSY, CS, COMPLETE	
BDY20117	OUTRIGGER ASSY, SS, COMPLETE	
BDY20103	UPPER STABILIZER TUBE	
BDY20104	TOP CAP	
BDY20105	UPPER PIN	
BDY20106	LOWER STABILIZER LEG	
BDY20107	LOWER PIN	
BDY20108	EXTENDING LEG	
BDY20109	EXTEND CYLINDER	
BDY20110	UPRIGHT EXTEND CYLINDER	
BDY20111	TILT PIN	
BDY20112	INNER TILT BRACKET	
BDY20113	SWIVEL FOOT	
	BDY20116 BDY20117 BDY20103 BDY20104 BDY20105 BDY20106 BDY20107 BDY20108 BDY20109 BDY20110 BDY20111 BDY20111	BDY20116 OUTRIGGER ASSY, CS, COMPLETE BDY20117 OUTRIGGER ASSY, SS, COMPLETE BDY20103 UPPER STABILIZER TUBE BDY20104 TOP CAP BDY20105 UPPER PIN BDY20106 LOWER STABILIZER LEG BDY20107 LOWER PIN BDY20108 EXTENDING LEG BDY20109 EXTEND CYLINDER BDY20110 UPRIGHT EXTEND CYLINDER BDY20111 TILT PIN BDY20112 INNER TILT BRACKET



FRONT OUTRIGGERS

BDY00235 AND BDY00243

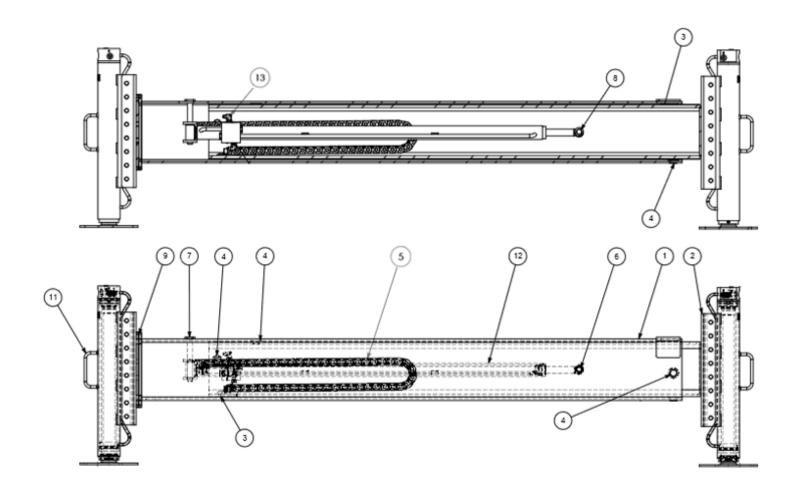




BDY00243 BDY00235

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BDY00235	manual bolt-on stabilizer SS	1
2	BDY00243	MANUAL BOLT-ON STABILIZER CS	1
3	BDY00234	OUTER LEG, MANUAL STABILIZER	1
4	BDY00233	MANUAL STABILZER	2
5	BDY20094	LOCKING PIN	2
6	BDY00244	OUTER LEG, MANUAL STABILIZER-CS	1

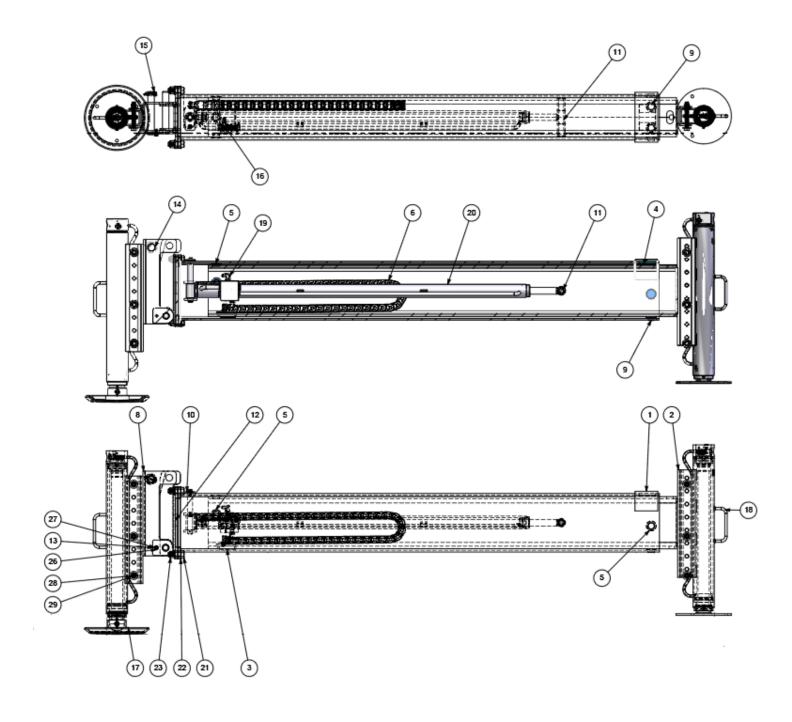
VOYAGER I LOAD KING OUTRIGGERS BDY00056



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BDY00058	OUTRIGGER CENTER TUBE	1
2	BDY00046	EXTENDING LEG WELDMENT O/R	1
3	BDY00048-02	RUB PAD	2
4	BDY00049-01	WALL PUCK	7
5	BDY10030	GORE TRACK SP100-5-INNER-0-60"-2	1
6	98409A181	INTERNAL RETAINING RING 3/4"	2
7	BDY00230	WELDMENT, PIN CYLINDER MOUNTING 3/4" X 6-1/2"	1
8	BDY00050-02	PIN, 3/4 DIA X 5-3/4 LG	1
9	BDY00057	STABILIZER MOUNTING WLDMT	1
10	8863T14	1/2" LOOP CLAMP	2
11	BDY20006-02	STABILIZER LEG 3" X 20"	2
12	BDY10005	EXTEND CYLINDER 1.5" B X 48" STR	1
13	6801-04-06	JIC TO O-RING ELBOW-04MJ X –06 M ORING	2



VOYAGER II LOAD KING OUTRIGGERS BDY00050



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BDY00045	OUTRIGGER CENTER TUBE	1
2	BDY00046	EXTENDING LEG WELDMENT O/R	1
3	BDY00048-01	RUB PAD	1
4	BDY00048-02	RUB PAD	1
5	BDY00049-01	WALL PUCK	5
6	BDY10030	GORE TRACK SP100-5-INNER-0-60"-2	1
7	1002463	RETAINING RING, 1" EXTERNAL ZP	4
8	98409A181	INTERNAL RETAINING RING 3/4"	2
9	BDY00055	OUTER TILT BRACKET WLDMT	1
10	BDY00049-04	WALL PUCK	2
11	BDY00230	WELDMENT, PIN CYLINDER MOUNTING 3/4" X 6-1/2"	1
12	BDY00050-02	PIN, 3/4 DIA X 5-3/4 LG	1
13	6801-04-06	JIC TO O-RING ELBOW-04MJ X -06 M ORING	1
14	CVR00124-01	WELDMENT, PIN CYLINDER MOUNTING	1
15	97245A527	CLEVIS PIN	1
16	90170A650	LOCKING PIN	1
17	8863T14	1/2" LOOP CLAMP	1
18	BDY20006-01	STABILIZER LEG 3" X 20" SWIVEL FOOT	2
19	BDY20006-02	STABILIZER LEG 3" X 20"	2
20	6801-04-06	JIC TO O-RING ELBOW-04MJ X -06 M ORING	2
21	92620A812	5/8-11 X 2 HEX CAP SCREW YZN GR8	1
22	FWSHR-10-YZGR8	5/8 DIA SAE FLAT WASHER YZN GR8	2
23	97135A270	NYLON NUT 5/8-11 YZ GR8	1
24	3225T8	1" P-CLAMP	1
25	1000606	LOCKWASHER, SPLIT 1/4" ZP	3
26	92620A542	HEX CAP SCREW 1/4-20 X 1/2 YZ GR8	3
27	1000356	LOCKWASHER, SPLIT 5/16" ZP	2
28	92620A583	5/16-18 X 3/4 HEX CAP SCREW YZ GR8	2
29	HW-FW50	FLAT WASHER 1/2"	2
30	92620A712	HEX CAP SCREW 1/2-13 X 4 YLW ZN GR8	1
31	1003571	NYLOCK NUT 1/2-13 GR 5 ZN	1

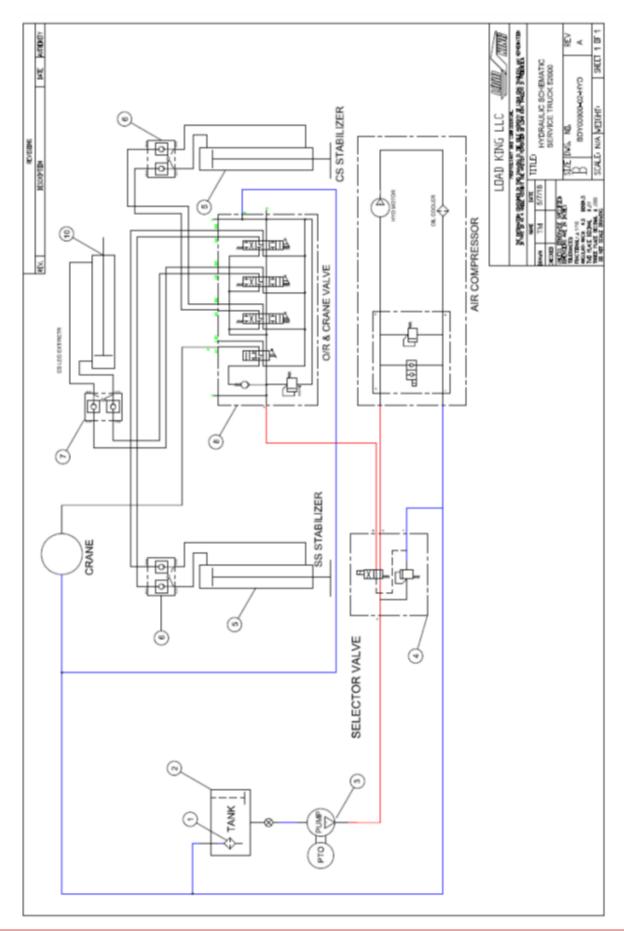


REAR ACCESS STEP

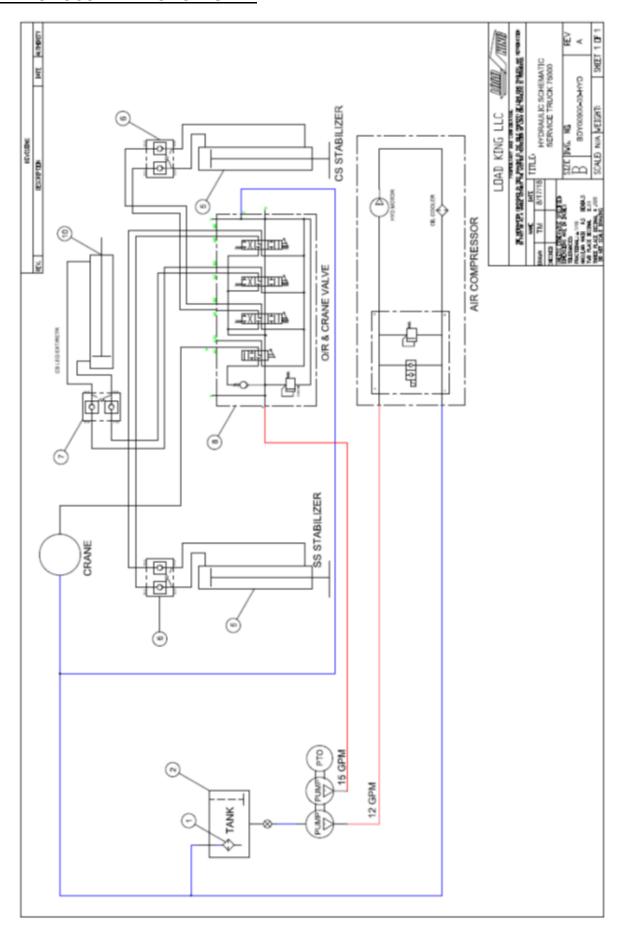


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	RSI	STEP	1

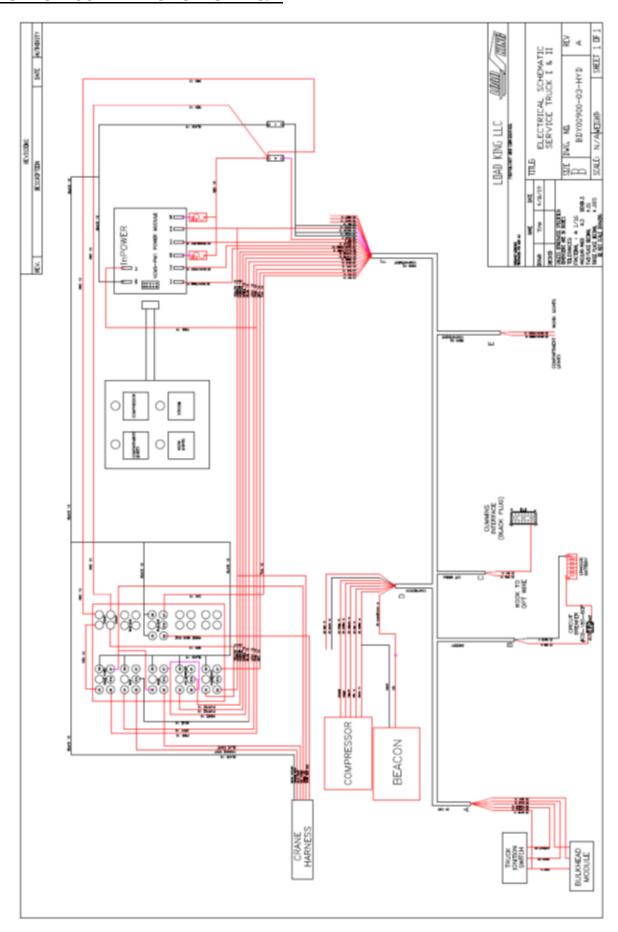
6.0 HYDRAULIC SCHEMATIC VOYAGER I



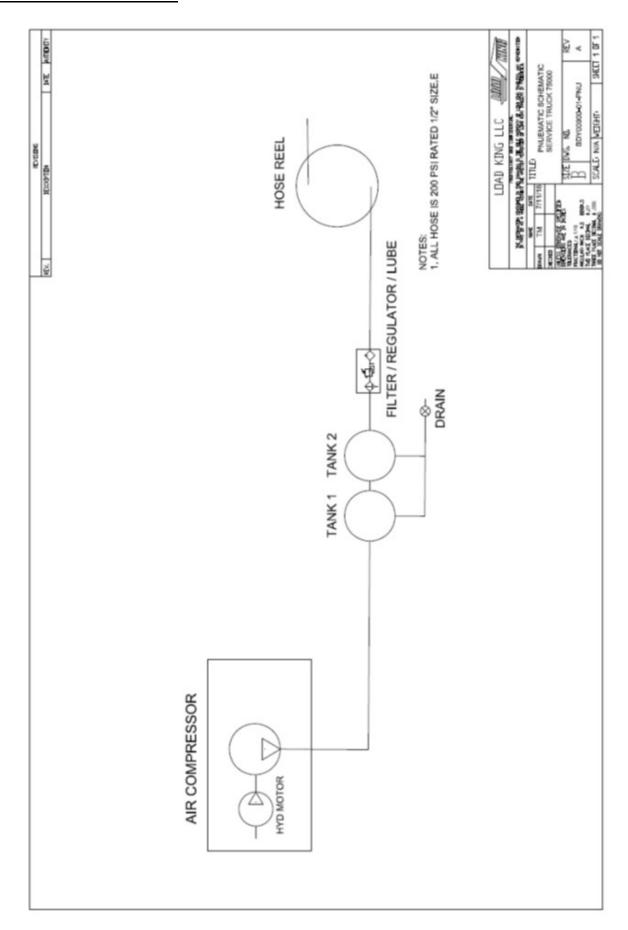
7.0 HYDRAULIC SCHEMATIC VOYAGER II



8.0 ELECTRICAL SCHEMATIC VOYAGER I & II



9.0 PNUEMATIC SCHEMATIC



REVISION CONTENT

REVISION I	DATE	DESCRIPTION	LOCATION
Α (04/30/19	INITIAL RELEASE	





BDY10016-124 QTY 4



BDY10016-122 QTY 3



EXPLODING TANK WILL CAUSE DEATH. SERIOUS INJURY OR PROPERTY DAMAGE

- Drain air tank after each use to prevent moisture build-up and corrosion which leads to tank failure.
- Assure that tank and compressor relief valves work properly, and are at correct pressure settings.
 DO NOT modify or repair air tank.
 NEVER drive vehicle with pressure in air

BDY10016-114

BDY10016-115 QTY 2

BDY10016-114 QTY 3



1,400 lb tongue weight 14,000 lb gross trailer weight

Tow vehicle trailer ratings may be less than listed. Consult your owner's manual for more information.



BDY10016-225 QTY 1

BDY10016-117 QTY 1







BDY10016-105 QTY 3

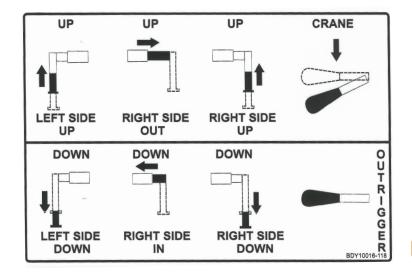
BDY10016-104 QTY 2



BDY10016-107 QTY 1



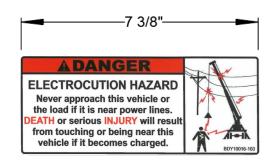
BDY10016-116 QTY 2



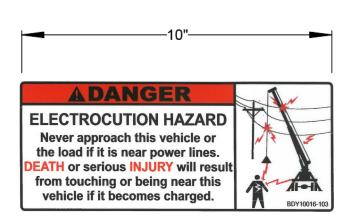


BDY10016-104 QTY 2

BDY10016-118 QTY 1



BDY10016-103 QTY 1



BDY10016-123 QTY 1



BDY10016-113 QTY 1



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BDY10016-108 QTY 2



BDY10016-120 QTY 1







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