



WALTCO

www.waltco.com
parts@waltco.com

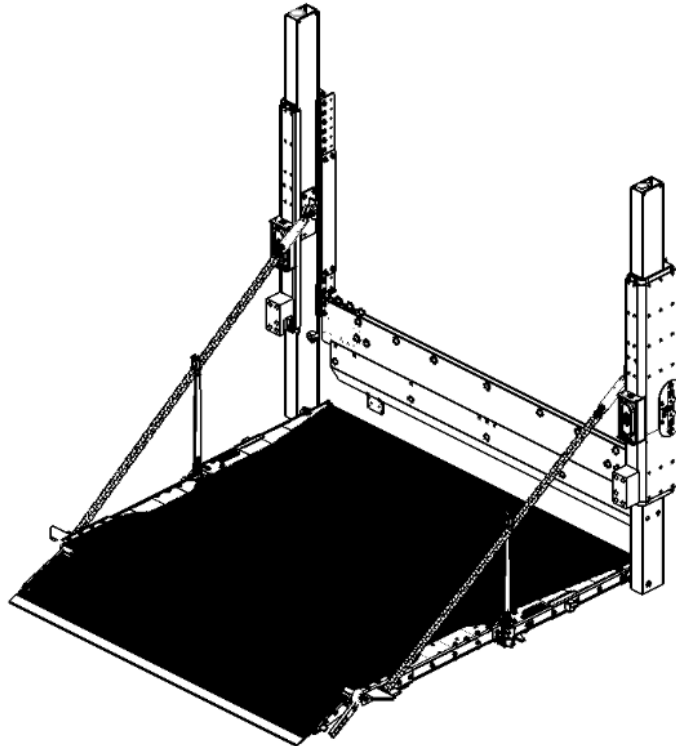
Phone: 800.411.5685

Fax: 800.411.5684

PARTS BOOK

MDV

3000 - 4000 lb. Capacity Rail-Type Liftgates



Waltco Lift Corp.
Corporate Office United States
1777 Miller Parkway
Streetsboro, OH 44241
P: 330.633.9191
F: 330.633.1418

80132703
REV 1.1
04-25

Introduction

Each Waltco liftgate is manufactured to stringent quality standards for years of reliable service. To ensure maximum performance of your Waltco liftgate, always specify and use “OEM Parts” from Waltco.

This manual does not provide procedures for the servicing and repair of Waltco liftgates. Service and repair should only be performed by an authorized Waltco distributor. For information on the nearest authorized Waltco distributor contact:

Waltco Lift Corp.

1777 Miller Parkway

Streetsboro, OH 44241

P: 800.411.5685

F: 800.411.5684

E-mail: parts@waltco.com



The use of non-standard or makeshift parts can be extremely hazardous and result in serious injury or death.



Every vehicle that has a WALTCO Liftgate must have legible WARNING AND OPERATION DECALS clearly posted on the vehicle and an OWNER’S MANUAL in the vehicle at all times as a guide for proper operation and maintenance.

How To Order Parts

Repairs should be made only by authorized mechanic using WALTCO Replacement parts.

When ordering repair or replacement parts, please include all of the information asked for below. If this information is not available, a complete written description or sketch of the required part will help WALTCO identify and deliver the needed part to you.

THE FOLLOWING INFORMATION MUST BE INCLUDED:

- 1 SERIAL NUMBER - [WALTCO liftgate serial numbers can be found on the Specification tag attached to the mount frame. (On older units, the Specification Tag is located on the side or bottom of the platform)]
- 2 MODEL NUMBER - [Or capacity]
- 3 PLATFORM SIZE

THEN INCLUDE THE FOLLOWING INFORMATION:

- 4 PART NUMBERS
- 5 DESCRIPTION
- 6 QUANTITY REQUIRED

MAIL, E-MAIL OR PHONE YOUR REQUEST TO :

Waltco lift Corp.
1777 Miller Parkway
Streetsboro, OH 44241
1-800-411-5685
FAX: 1-800-411-5684
E-MAIL: parts@waltco.com

ALL PARTS ARE F.O.B. FROM THE SHIPPING FACTORY

PLEASE NOTE:

To assure you of continuing and effective quality control, our warranty policy permits replacement of hydraulic cylinders, valves and motor pump units when their factory seals are intact. Parts under warranty will be exchanged after careful inspection of the returned assemblies.

80101389

EO10758

REV 03

Liftgate Terminology

MODEL NAME	DESCRIPTION	CAPACITY
MDV-30	MDV-30 Series	3000 lb.
MDV-40	MDV-40 Series	4000 lb.

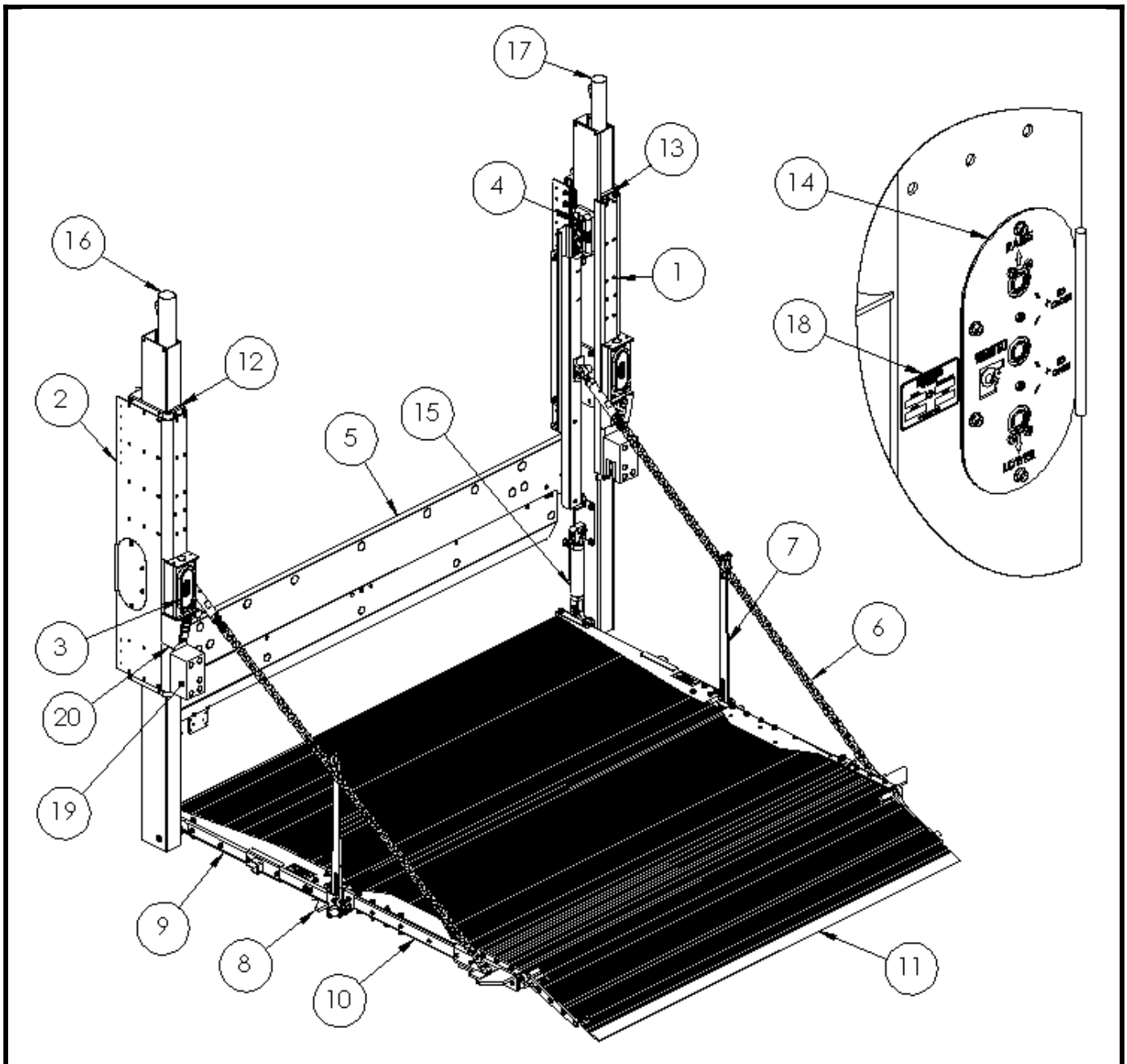
The diagram shows a rectangular identification plate for Waltco Lift Corp. The plate contains the following fields and labels:

- MODEL NAME:** Points to the 'MODEL' field.
- RATED CAPACITY:** Points to the 'CAPACITY/LB' field. A note specifies: "Based on an evenly distributed load on the platform surface".
- SERIAL NUMBER:** Points to the 'SERIAL' field. A note specifies: "To be used when ordering parts or when contacting Waltco for service or warranty questions".
- DATE OF MANUFACTURE:** Points to the 'DATE' field. A note specifies: "Month / Year".

The plate also features the Waltco Lift Corp. logo, a central circular symbol, and the phone number 1-800-211-3074.

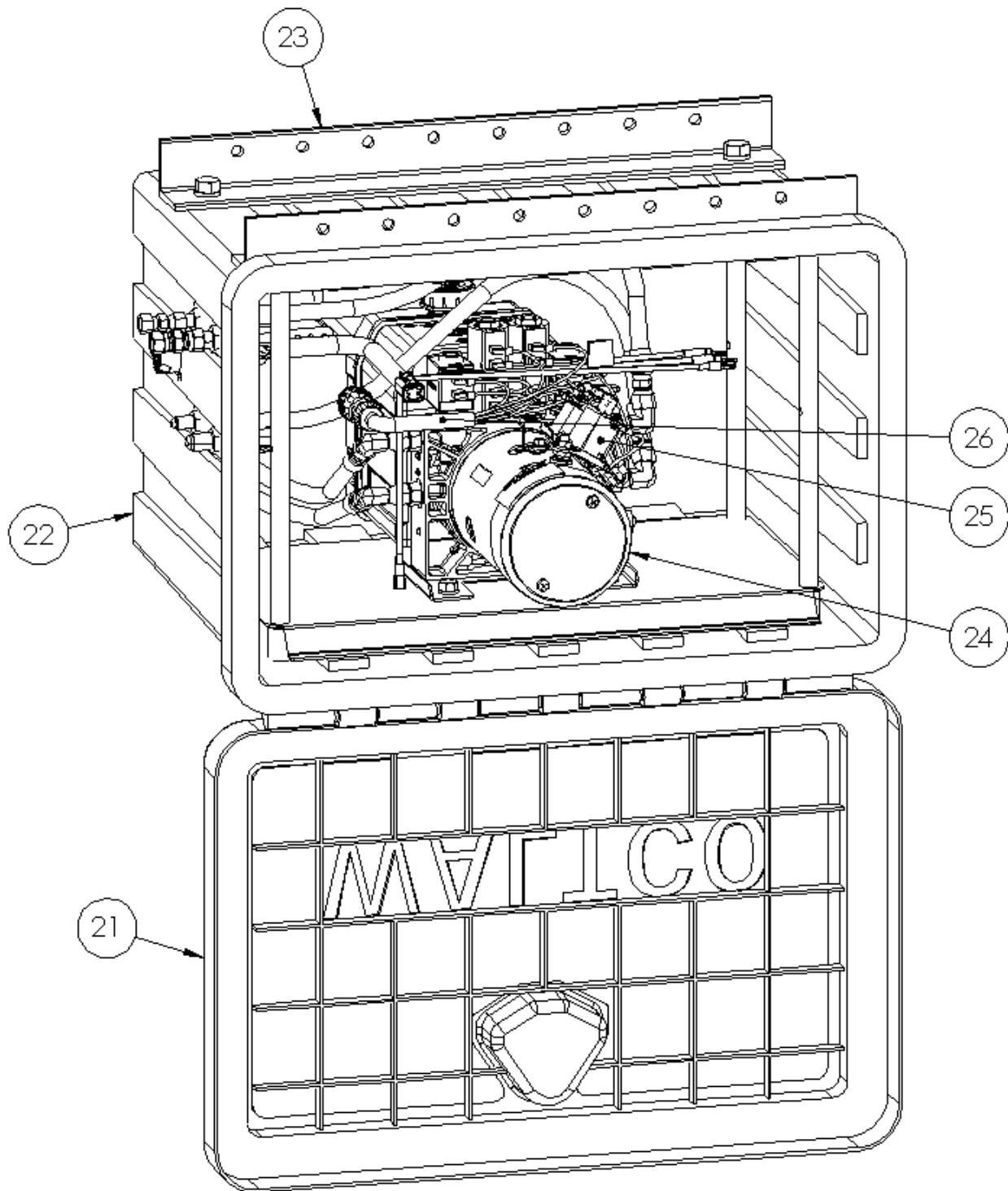
Liftgate Terminology

- | | | |
|------------------------|---------------------------|--------------------------------|
| 1. Curb Side Column | 8. Bottom Stop Catch | 15. Power Open-Close Cylinder |
| 2. Drivers Side Column | 9. Deck | 16. Drivers Side Lift Cylinder |
| 3. Lights | 10. Deck Extension | 17. Curb Side Lift Cylinder |
| 4. Inside Switch | 11. Flip Ramp Assembly | 18. Specification tag |
| 5. Sill Extension | 12. Drivers Side Runner | 19. Dock Bumper |
| 6. Support Chain | 13. Curb Side Runner | 20. Work Light |
| 7. Swing Arm | 14. Outside Column Switch | |



Liftgate Terminology

- | | |
|-------------------|--------------------------|
| 21. Pump Box Lid | 24. Pump and Motor |
| 22. Pump Box Base | 25. Motor Start Solenoid |
| 23. Mounting Rail | 26. Control Harness |



Placement of Decals



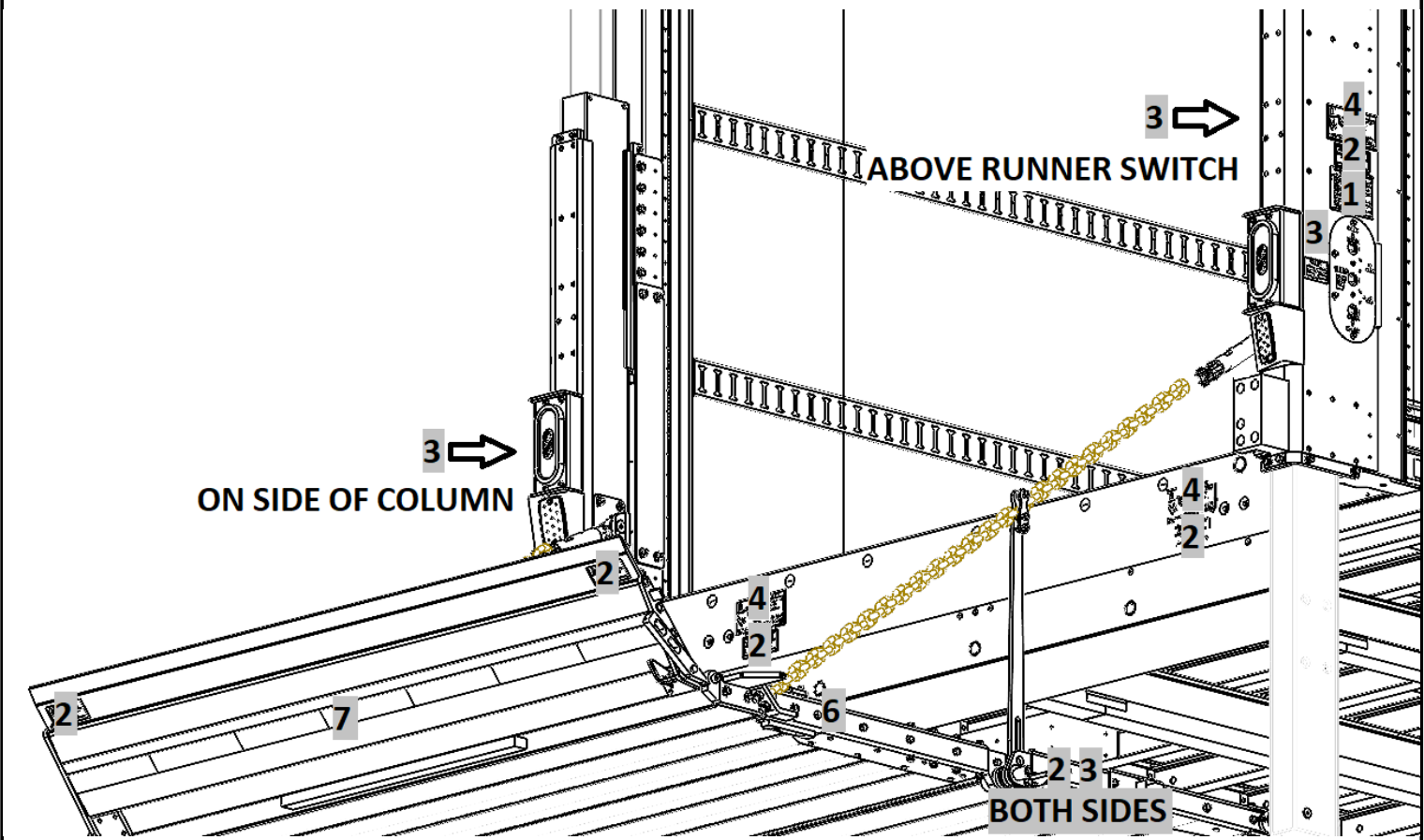
All decals must be in place and legible or all warranties are void.

Properly placed warning decals are an essential part of your safety program. Check that all safety decals are in place and are legible. Any missing decals **MUST** be replaced immediately. Replacement decals may be obtained **FREE** of charge from your distributor or by contacting Waltco Part Sales:

Phone: (800) 411-5685, Email: parts@waltco.com



If your liftgate is equipped with dual controls, an additional Safety Instruction decal (80100850) is to be placed in a conspicuous place near the second set of controls.

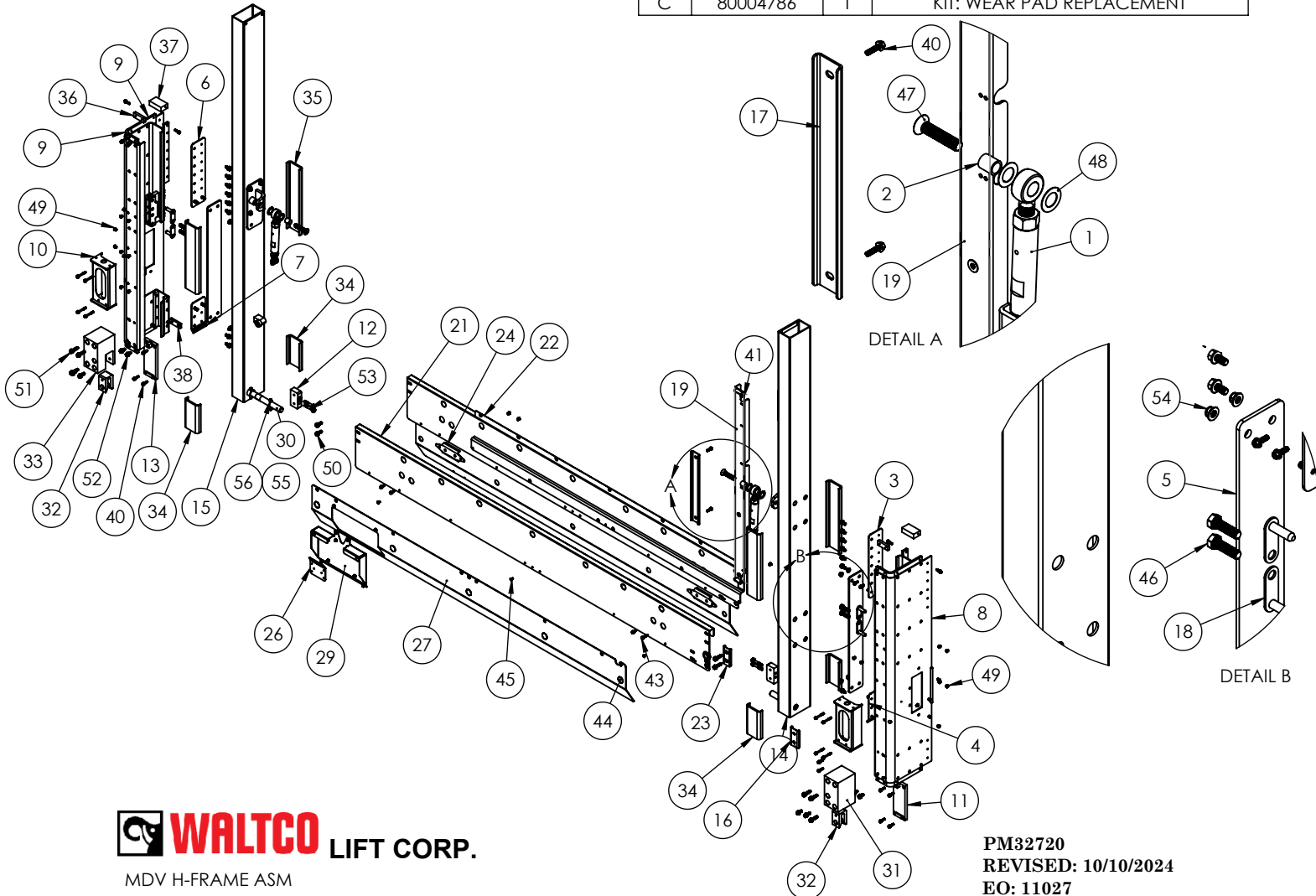


ITEM	DECAL	MDV-20	MDV-30	MDV-40 MDVBG-40	MDV w/ +16 FLIP RAMP	QTY
1	SAFETY INSTRUCTIONS	80100850				1
2	WARNING, KEEP CLEAR	75089296				3
3	WARNING, MAX CAPACITY	80100253	80100257	80100260		5
4	DANGER, LIFTGATE CAN CRUSH	80101370				3
5	WARNING, KEEP CLEAR				75089296	2
6	FLIP RAMP STORAGE				80100482	1
7	CONSPICUITY TAPE FOR 96" WIDE MDV				82021067 (76")	1
	CONSPICUITY TAPE FOR 102" WIDE MDV				82021067 (82")	1

TO MAXIMIZE DECAL ADHESION:

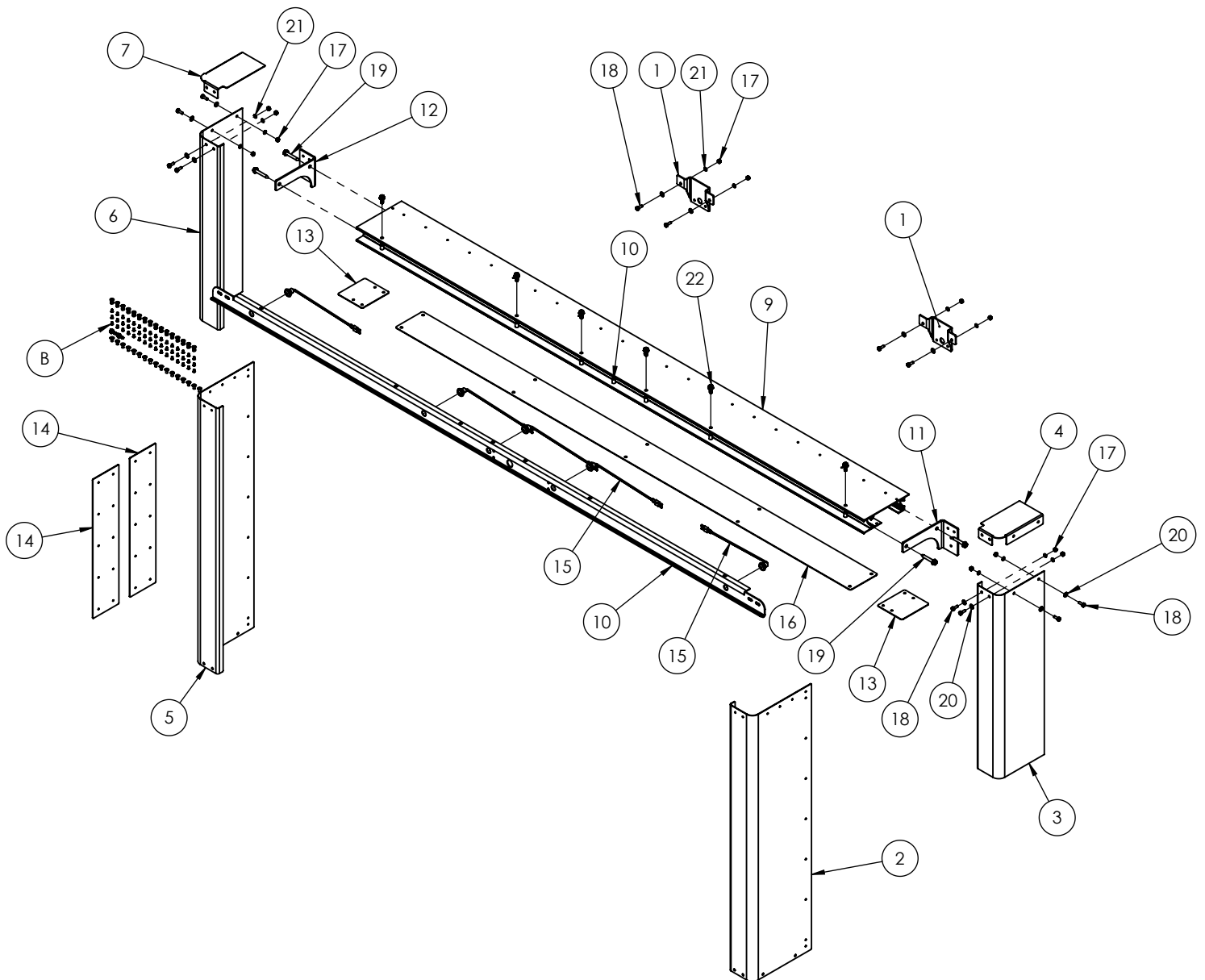
**SURFACE MUST BE ABOVE 65F (HEAT GUN MAY BE USED BEFORE APPLICATION)
SOLVENT CLEAN SURFACE WITH LINT-FREE CLOTH BEFORE APPLYING DECALS
APPLY FIRM PRESSURE ACROSS THE ENTIRE DECAL**

ITEM	PART NUMBER	QTY	DESCRIPTION	ITEM	PART NUMBER	QTY	DESCRIPTION
1	32715000	2	CHAIN ARM, MDV	30	32725000	1	PIN, RUNNER HINGE, 1", MDV
2	32715011	2	BUSHING, 7/8 X 5/8 X 1"	31	32797100	1	BUMPER, UHMW, MDV
3	32720500	1	MOUNTING BRACKET, TOP CS	32	32797101	2	TRAVEL LATCH
4	32720510	1	MOUNTING BRACKET, BOTTOM, CS	33	32797105	1	BUMPER, UHMW, DS
5	32720520	2	ACCESS PANEL, HDPE	34	32797120	4	WEAR PAD, 160MM (6.3") LONG
6	32720550	1	MOUNTING BRACKET, TOP DS	35	32797121	4	WEAR PAD, 380MM (14.96") LONG
7	32720560	1	MOUNTING BRACKET, BOTTOM DS	36	32797141	2	WEAR PAD RETAINER, FRONT
8	32721101	1	COLUMN WELD/ASSY, CS, GV	37	32797142	2	WEAR PAD RETAINER, TOP REAR
9	32721151	1	COLUMN WELD/ASSY, DS, GV	38	32797143	2	WEAR PAD RETAINER, LOWER FRONT
10	32721235	2	LIGHT BOX, SINGLE	39	75085161	12	1/4-20 NYLOCK
11	32721310	1	WEAR PAD SUPPORT ASM, CS, LOWER REAR	40	75087594-1	16	HEX BOLT, FLANGED, 1/4-20 x 1"
12	32721313	2	BRACKET, THRESHOLD MOUNT	41	75087594-12	2	HEX BOLT, FLANGED, 1/4-20 x 1/2"
13	32721360	1	WEAR PAD SUPPORT ASM, DS, LOWER REAR	42	75087594-34	19	HEX BOLT, FLANGED, 1/4-20 x 3/4"
14	32722100	1	RUNNER ASSY, CS, MDV	43	75087594-114	1	HEX BOLT, FLANGED, 1/4-20 x 1-1/4"
15	32722150	1	RUNNER ASSY, DS, MDV	44	75089110	5	PANEL PLUG, 1" ID, BLACK NYLON
16	32722235	1	HOSE CLAMP, MDV RUNNER	45	75089481	9	RIVET, BLIND, 1/4"
17	32722236	1	HOSE CLAMP, MDV RUNNER	46	75090331	4	HEX BOLT, 1/2-13 X 1-3/4
18	32725015	4	PIN, CYL CLEVIS, 1/2", MDV	47	75090338	2	FHSCS 5/8-11X3
19	32725200	1	HOSE GUARD ASSY, RUNNER	48	75090339	4	WASHER, 7/8", NYLON
20	32729001	1	THRESHOLD EXTENSION, 96 WIDE	49	75099297	22	RIVET NUT, 1/4-20
21	32729010	1	THRESHOLD EXTENSION ASM, 102 WIDE	50	7509900-1	4	BOLT, FLANGED, 3/8-16 X 1, GR8
22	32729031	1	THRESHOLD SUPPORT ASM	51	7509900-15	8	BOLT, FLANGED, 3/8-16 X 1-1/2, GR8
23	32729098	1	HOSE CLAMP, THRESHOLD, OUTER	52	7509900-34	22	BOLT, FLANGED, 3/8-16 X 3/4, GR8
24	32729099	2	HOSE RETAINING BRACKET	53	7509900-225	4	BOLT, FLANGED, 3/8-16 X 2-1/4, GR8
25	32729501	1	TOEGUARD THRESHOLD, 96 WIDE	54	7509938-16	8	LOCK NUT, FLANGED, 3/8-16
26	32729599	1	LICENSE PLATE BRACKET TAB	55	7509914-20	21	LOCK NUT, FLANGED, 1/4-20,
27	32729504		TOEGUARD THRESHOLD, 102W, LIC PLATE	56	75087594-2	9	HEX BOLT, FLANGED, 1/4-20 x 2",
27	32729505	1	TOEGUARD THRESHOLD, 96W, LIC PLATE	A	32720101	1	CS COLUMN&RUNNER ASSY
29	32729598	1	BRACKET, LICENSE PLATE, TOE GUARD	B	32720151	1	DS COLUMN&RUNNER ASSY
				C	80004786	1	KIT: WEAR PAD REPLACEMENT



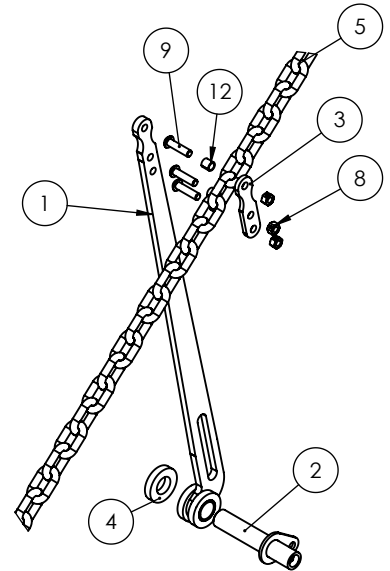
PM32720
 REVISED: 10/10/2024
 EO: 11027
 REV: c-01

ITEM	PART NUMBER	QTY	DESCRIPTION	ITEM	PART NUMBER	QTY	DESCRIPTION
1	32709915	2	BRACKET, MDV HEADER	14	32796980	2	RIVET STRIP, MDV HEADER
2	32796200	1	COLUMN EXT LOW, MDV, GALV, CS	15	42694117	5	LIGHT, LED, RED, 2 WIRE
3	32796210	1	COLUMN EXT UP, MDV, GALV, CS	16	44724314	1	COVER PANEL
4	32796211	1	CAP, HEADER, MDV CS	17	75085001	12	HEX NUT, 1/4-20, GR 2
5	32796250	1	COLUMN EXT LOW, MDV, GALV, DS	18	75086062	12	HEX BOLT, 1/4-20 X 0.75, GR 5
6	32796260	1	COLUMN EXT UP, MDV, GALV, DS	19	75087494	4	HEX SCREW, 3/8 X 2-1/4", TAPTITE
7	32796261	1	CAP, HEADER, MDV DS	20	75088051	12	FLAT WASHER, 9/32"ID X 5/8"OD X .065 THK
9	32796310	1	HEADER EXT., MILLED, 96OAW	21	75088079	12	LOCK WASHER, 1/4"
9	32796311	1	HEADER EXT., MILLED, 102OAW	22	75099311-20	6	HEX BOLT, M8 X 20,
10	32796320	1	BRACKET ASY, HEADER LTS, 96W	A	32796300	1	Header assy, 96W
10	32796321	1	BRACKET ASY, HEADER LTS, 102W	A	32796301	1	Header assy, 102W
11	32796350	1	BRACKET, MDV CS HEADER	B	32796050	1	KIT, MDV, HEADER HARDWARE
12	32796355	1	BRACKET, MDV DS HEADER				
13	32796380	2	COVER PANEL, MDV 102W HEADER				

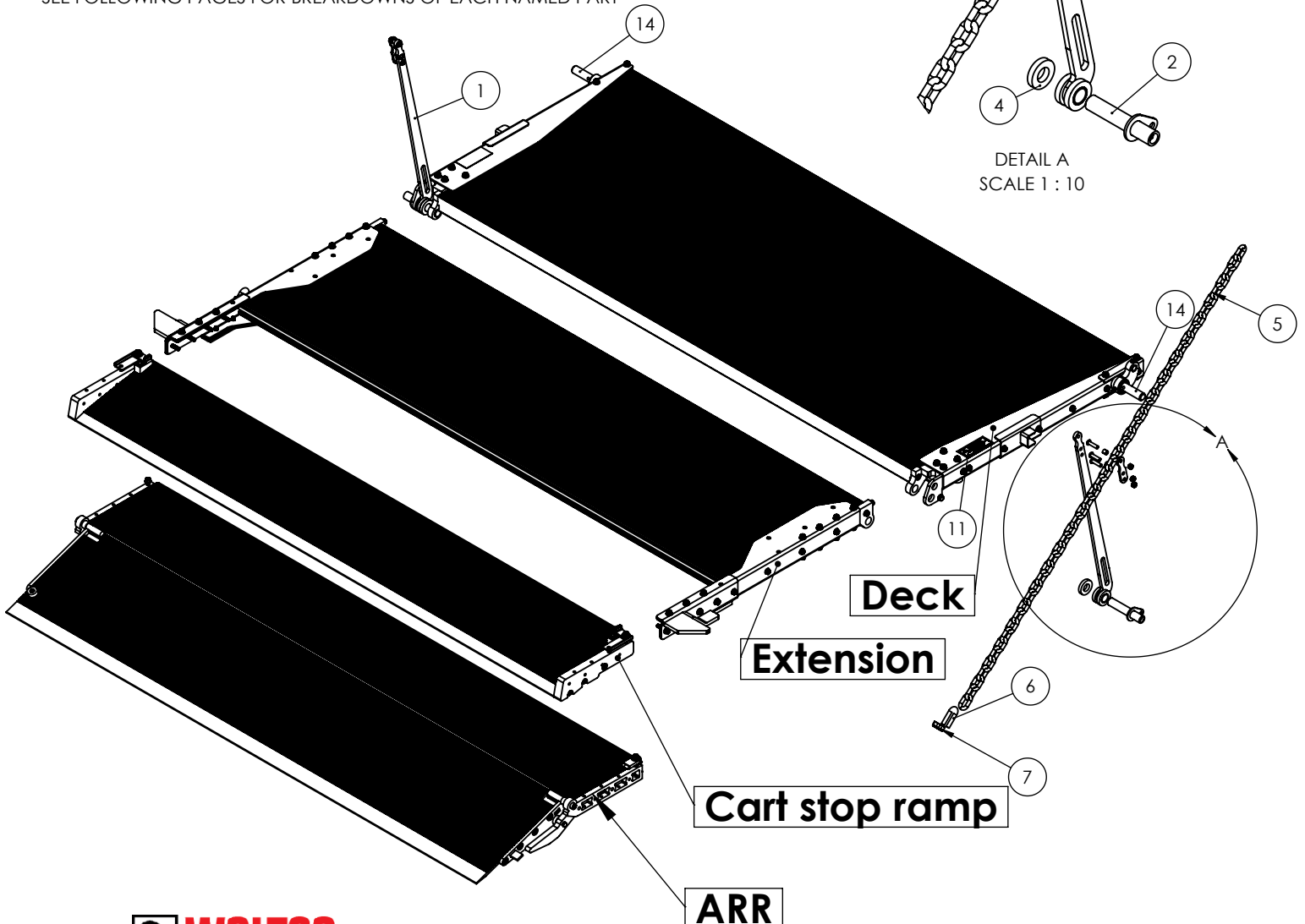


ITEM	PART NUMBER	QTY	DESCRIPTION
1	32715100	2	SWING ARM ASSY, MDV
2	32715101	2	PIN ASM, PLATFORM HINGE, MDV
3	42716091	2	SWING ARM CHAIN HOLDER, WDV
4	32715205	2	SPACER, PLATFORM PIN, NYLON
5	32715999	2	DECK SUPPORT CHAIN, 67, 3/8" GRADE70
6	75080126	2	U-BOLT, 1/2"
7	75085162	4	LOCK NUT, 1/2-13, NYLON
8	75085188	8	3/8-16 NUT, CENTERLOCK
9	75087475	6	SBHCSCREW 0.375-16x1.5-HX-CG8
10	75088053	1	FLAT WASHER, 13/32"ID
11	75089296	2	DECAL, STAND CLEAR OF PLATFORM AREA
12	75090341	6	SPACER, 0.386" X 0.5" X 0.5"
13	7500010-6	2	HEX BOLT, 3/8-16 X 1.0, GR 8
14	32725000	2	PIN, RUNNER HINGE, 1", MDV
A	32710100	1	PLATFORM ASM, AL, 60/72 x 90
B	32710101	1	PLATFORM ASM, AL, 60/72 x 84
C	32710102	1	PLATFORM ASM, AL, 48/60 x 90
D	32710103	1	PLATFORM ASM, AL, 48/60 x 84

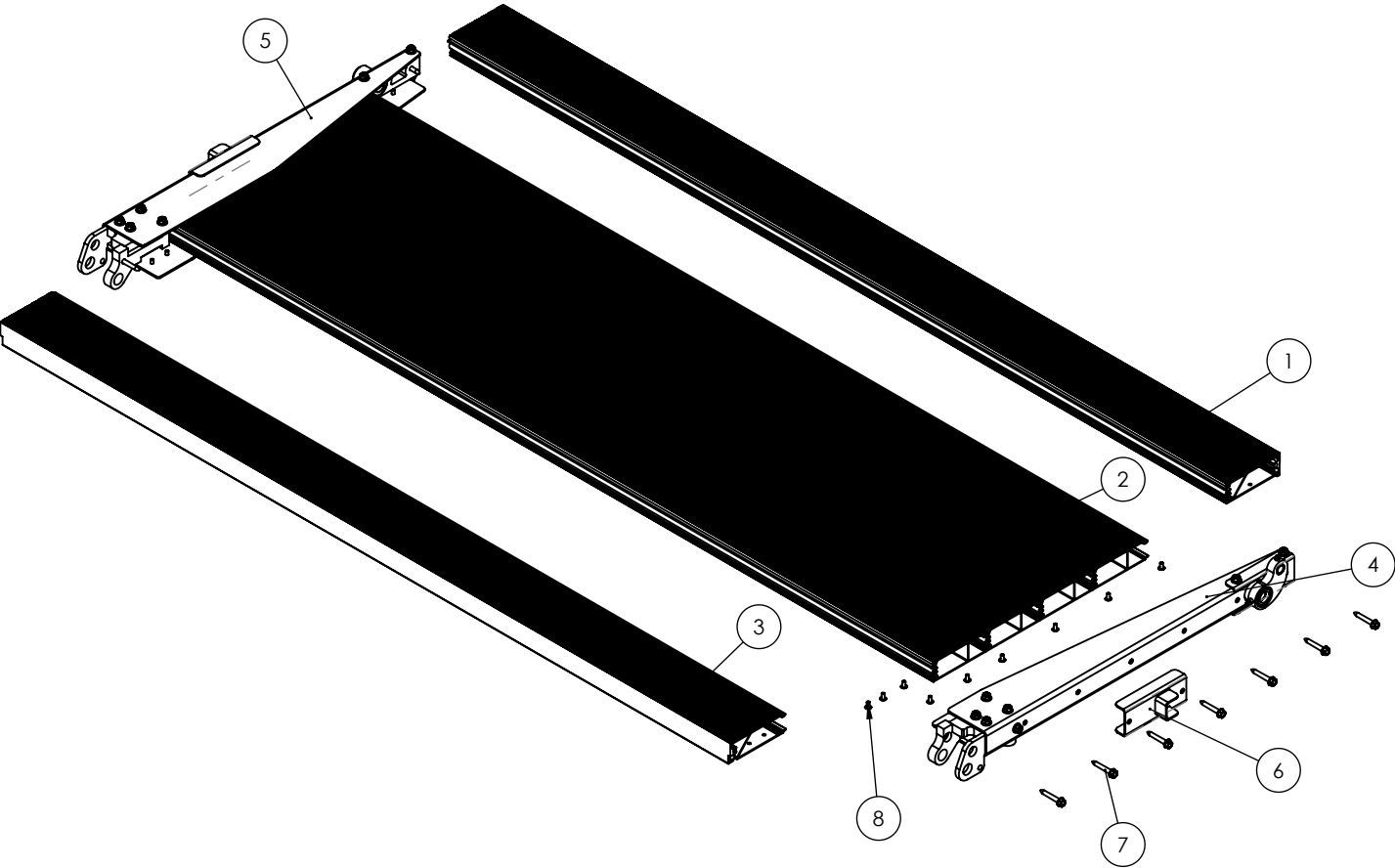
NOTE: COMPLETE PLATFORMS (A-D) DO NOT INCLUDE RAMP PARTS
SEE FOLLOWING PAGES FOR BREAKDOWNS OF EACH NAMED PART



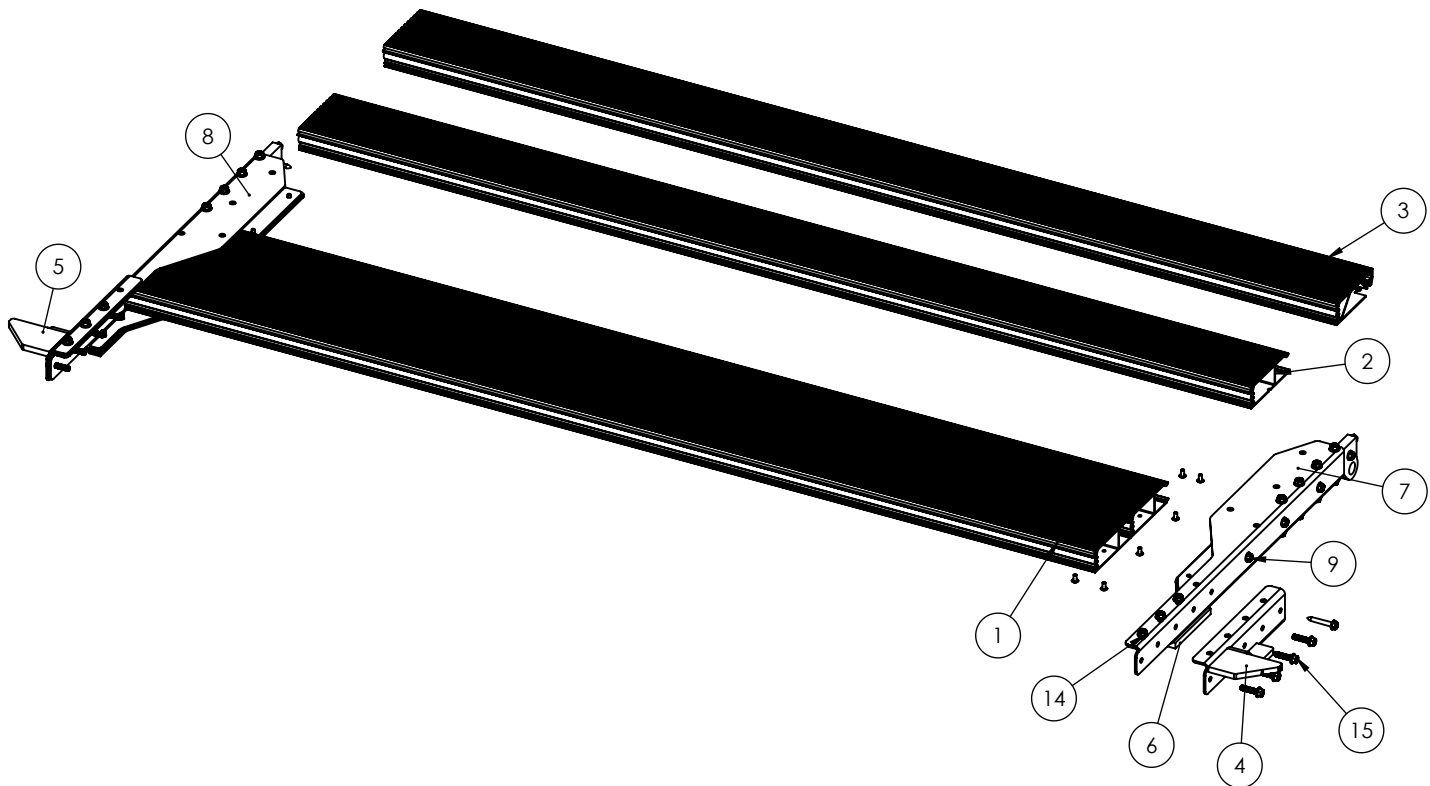
DETAIL A
SCALE 1 : 10



ITEM	PART NUMBER	QTY	DESCRIPTION
1	32701000	1	ALUM, EXT, CLOSED RMP, 50mm, 87.75"
1	32701010	1	ALUM, EXT, CLOSED RMP, 50mm, 81.75"
2	32701001	4	ALUM, EXT, CTR, 50MM, 6" x 89.5, KNURLED
2	32701011	4	ALUM, EXT, CTR, 50MM, 6"x 83.5", KNURLED
3	42701020	1	EXT, 50MM, END MAIN, 82.5, NOTCHED
3	42701021	1	EXT, 50MM, END MAIN, 76.5, NOTCHED
4	32711400	1	DECK SIDEBAR, CS, 36", ASSEMBLED
4	32711402	1	DECK SIDEBAR, CS, 30", ASSEMBLED
5	32711450	1	DECK SIDEBAR, DS, 36", ASSEMBLED
5	32711452	1	DECK SIDEBAR, DS, 30", ASSEMBLED
6	32711517	2	PLATFORM STOP BRACKET ASM
7	75087494	14	HEX SCREW, 3/8 X 2-1/4", TAPTITE
8	75090348	22	RIVET, BLIND, 1/4", 1/16-1/4 GRIP, STL
A	32711100	1	DECK, 90 X 36, ALUM
B	32711101	1	DECK, 84 X 36, ALUM
C	32711102	1	DECK, 90 X 30, ALUM
D	32711103	1	DECK, 84 X 30, ALUM

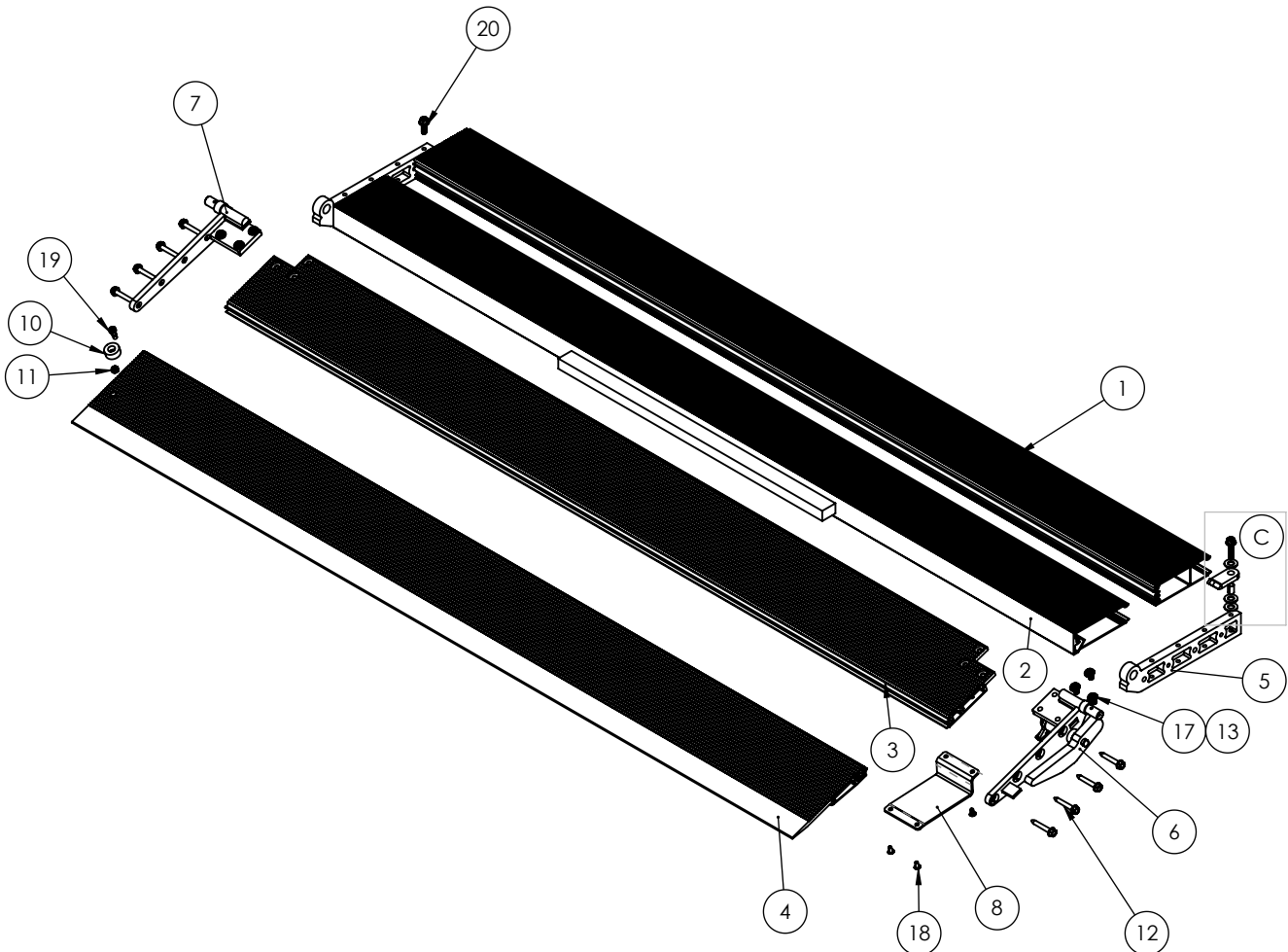


ITEM	PART NUMBER	QTY	DESCRIPTION
1	32701002	2	ALUM, EXT, CTR, 50MM, 6"x 85.75", KNURLED
1	32701012	2	ALUM, EXT, CTR, 50MM, 6"x 79.75", KNURLED
2	32701021	1	ALUM, EXT, CTR, 50MM, 6"x 84.13", KNURLED
2	32701016	1	ALUM, EXT, CTR, 50MM, 6"x 78.13", KNURLED
3	42701030	1	ALUM, EXT, CLOSED RMP, 50mm, 84.125"
3	42701031	1	ALUM, EXT, CLOSED RMP, 50mm, 78.125"
4	32712303	1	CHAIN ANCHOR ASSEMBLY, CS
5	32712353	1	CHAIN ANCHOR ASSEMBLY, DS
6	32712307	2	BUMPER, DECK EXTENSION
7	32712400	1	EXT SIDEBAR, CS, 36", ASSEMBLED
7	32712402	1	EXT SIDEBAR, CS, 30", ASSEMBLED
8	32712450	1	EXT SIDEBAR, DS, 36", ASSEMBLED
8	32712452	1	EXT SIDEBAR, DS, 30", ASSEMBLED
9	75087494	10	HEX SCREW, 3/8 X 2-1/4", TAPTITE
10	75088071-38	2	WASHER, .39 X .63 X .07
11	75088072-38	2	WASHER, .39 ID X .63 OD X .035
12	75089488	16	RIVET, BLIND, 1/4", 3/8-1/2 GRIP
13	7500010-6	2	HEX BOLT, 3/8-16 X 1.0, GR 8
14	7509900-1	10	BOLT, FLANGED, 3/8-16 X 1, GR8
15	7509900-15	8	BOLT, FLANGED, 3/8-16 X 1-1/2, GR8
A	32712100	1	DECK EXTENSION ASM, 86.25 x 36
B	32712101	1	DECK EXTENSION ASM, 80.25 x 36
C	32712102	1	DECK EXTENSION ASM, 86.25 x 30
D	32712103	1	DECK EXTENSION ASM, 80.25 x 30



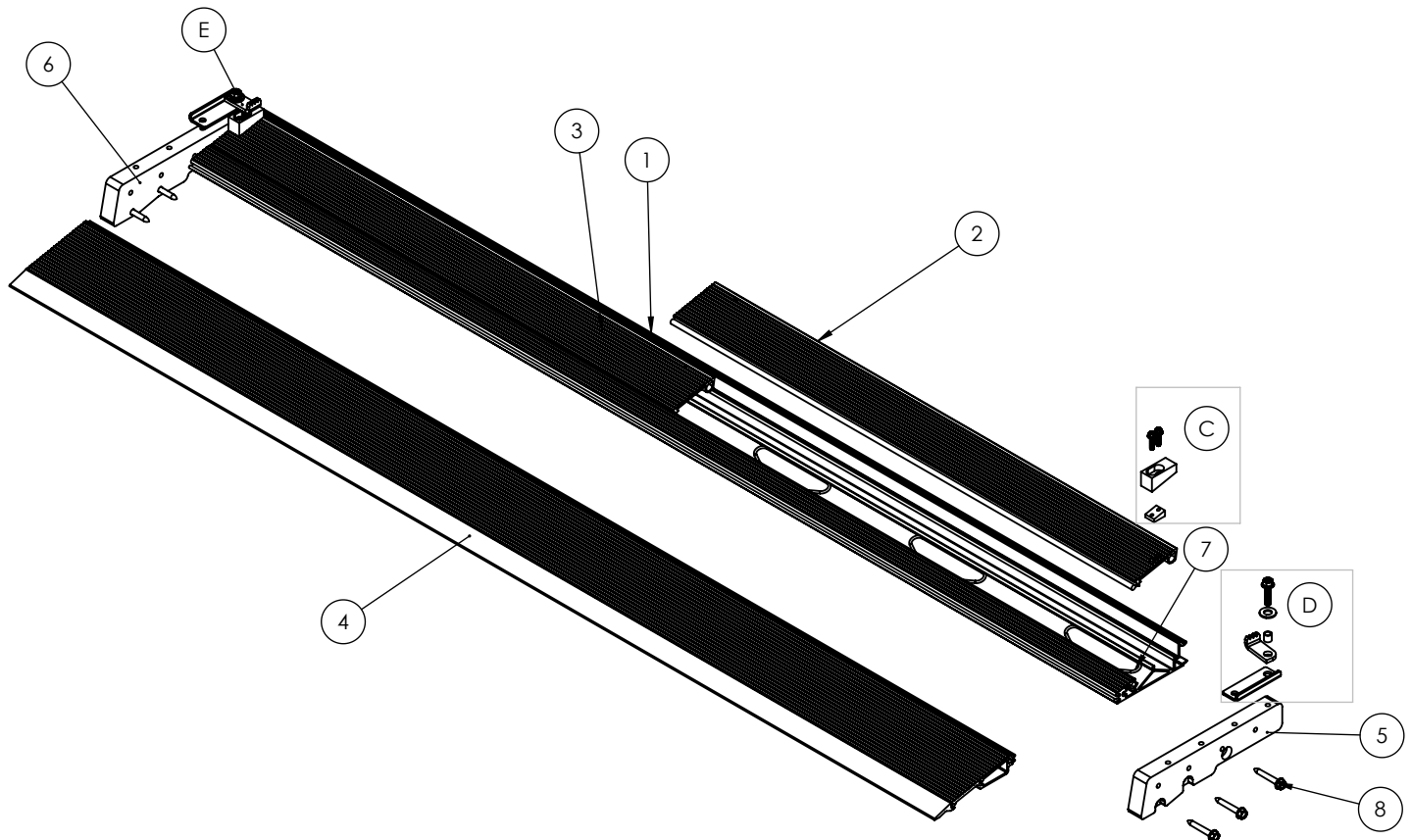
ITEM	PART NUMBER	QTY	DESCRIPTION	ITEM	PART NUMBER	QTY	DESCRIPTION
1	32701016	1	ALUM, EXT, CTR, 50MM, 6"x 78.13", KNURLED	13	75088053	6	FLAT WASHER, 13/32"
1	32701021	1	ALUM, EXT, CTR, 50MM, 6"x 84.13", KNURLED	14	75088067	3	FLAT WASHER, 1/2"
2	42701058	1	EXT, 50MM, END MAIN, 84.125, NOTCH	15	75089296	2	DECAL, STAND CLEAR OF PLATFORM AREA
2	42701059	1	EXT, 50MM, END MAIN, 78.125, NOTCH	16	75090341-34	1	SPACER, 0.386" X 0.5" X 0.75", STL
3	32701018	1	ALUM EXT, BACK, FLIP RAMP, 96 WIDE	17	75090342-34	6	SHCS, LOW HEAD 3/8-16X3/4, STEEL
3	32701022	1	ALUM EXT, BACK, FLIP RAMP, 102 WIDE	18	75090377	4	RIVET, BLIND, 1/4", 1/4-3/8 GRIP, STL
4	32701019	1	ALUM EXT, FRONT, FLIP RAMP, 96 WIDE	19	7500019-4	1	SHSB, 3/8" DIA X 3/8" LG, 5/16-18 THD
4	32701023	1	ALUM EXT, FRONT, FLIP RAMP, 102 WIDE	20	7509900-1	1	BOLT, FLANGED, 3/8-16 X 1, GR8
5	32714201	2	CLEVIS BLOCK, FLIP RAMP	21	7509900-15	1	BOLT, FLANGED, 3/8-16 X 1-1/2, GR8
6	32714500	1	FLIP RAMP CAM LOCK HINGE ASSY	A	32714103	1	RAMP ASSEMBLY, FLIP STYLE, 96 WIDE
7	32714550	1	FLIP RAMP HINGE, DS	A	32714104	1	RAMP ASSEMBLY, FLIP STYLE, 102 WIDE
8	32714615	1	DOCK DEFLECTOR	B	80004783	1	KIT, ARR, RAMP MDV, 102W
9	32715206	1	LATCH, END RAMP	B	80004784	1	KIT, ARR, RAMP MDV, 96W
10	42669299	1	ROLL STOP BUSHING	C	80004785	1	KIT, ARR LATCH, MDV
11	75085187	1	HEX NUT, 5/16-18, LOCKNUT				
12	75087494	8	HEX SCREW, 3/8 X 2-1/4", TAPTITE				

A INCLUDES EVERYTHING ON THIS PAGE



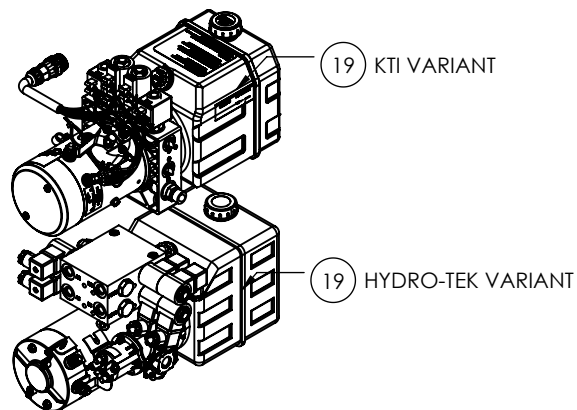
ITEM	PART NUMBER	QTY	DESCRIPTION
1	32701017	1	ALUM EXT ROLL CART STOP BTM 50mm x 6" x 77.38"
1	32701024	1	ALUM EXT ROLL CART STOP BTM 50mm x 6" x 83.38"
2	32701020	1	ALUM EXT, ROLL STOP, 50mm X 4", CS, 38-9/16"
2	32701025	1	ALUM EXT, ROLL STOP, 50mm X 4", CS, 41-9/16"
3	32701070	1	ALUM EXT, ROLL STOP, 50mm X 4", DS, 38.9/16"
3	32701075	1	ALUM EXT, ROLL STOP, 50mm X 4", DS, 41-9/16"
4	32714001	1	ALUM, EXT, RMPL, 50mm, 77.38"
4	32714002	1	ALUM, EXT, RMPL, 50mm, 83.38"
5	32714200	1	CLEVIS BLOCK, FIXED RAMP, CS
6	32714250	1	CLEVIS BLOCK, FIXED RAMP, DS
7	42668440	6	SPRING,ROLL STOP,4mm
8	75087494	6	HEX SCREW, 3/8 X 2-1/4", TAPTITE, GIMLET POINT
A	32714101	1	RAMP ASSEMBLY, FIXED, SPLIT C/S, 96 WIDE
A	32714102	1	RAMP ASSEMBLY, FIXED, SPLIT C/S, 102 WIDE
C	80004780	2	KIT, CART STOP LOCKING PAD,MDV
D	80004781	1	KIT, CART STOP LATCH KIT, CS, MDV
E	80004782	1	KIT, CART STOP LATCH KIT, DS, MDV

A INCLUDES EVERYTHING ON THIS PAGE

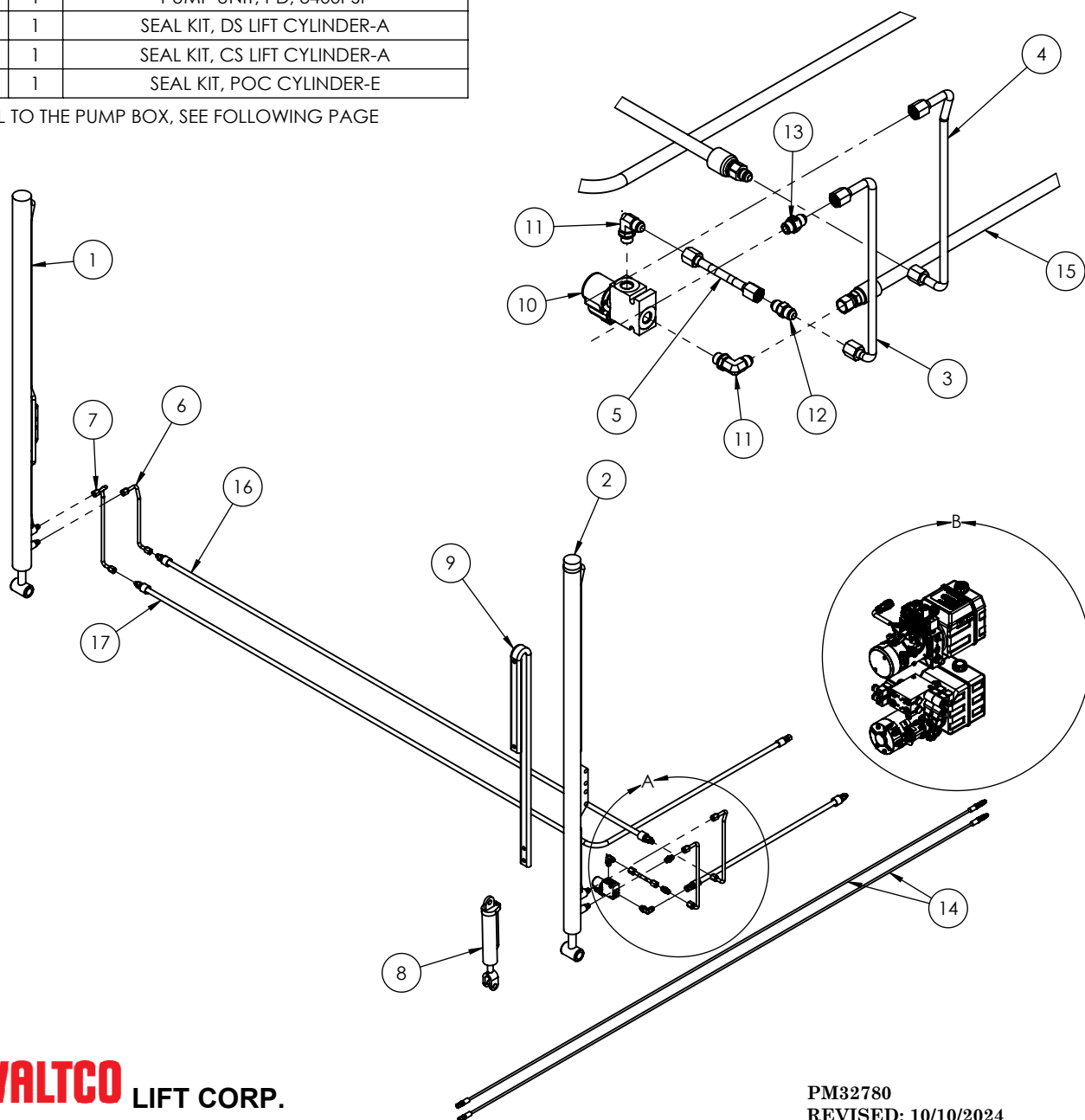


ITEM	PART NUMBER	QTY	DESCRIPTION
1	32780000	1	CYL, 2.125 X 1 X 54 STROKE, DOUBLE ACTING
2	32780050	1	CYL, 1.88 X 1 X 54 STROKE, DOUBLE ACTING
3	32780200	1	HYDRAULIC HARDLINE, CS, RAISE
4	32780201	1	HYDRAULIC HARDLINE, CS, LOWER
5	32780202	1	HYDRAULIC HARDLINE, LOCK VALVE
6	32780250	1	HYDRAULIC HARDLINE, DS RAISE
7	32780251	1	HYDRAULIC HARDLINE, DS LOWER
8	32780300	1	POC CYLINDER ASSEMBLY, MDV
9	32725020	1	HOSE PROTECTION SLEEVE
10	27581035	1	HYDRAULIC VALVE
11	75082869	2	ELBOW, 90, #6 JIC M X #6 SAE-ORB M
12	75083027	1	ADAPTER, 9/16M JIC X 9/16M JIC
13	75083219	1	COMP FLOW VALVE FITTING, 3.0GPM
14	75090324	2	HOSE, GATES -2, 1/8 X 98"
15	75090351	1	HOSE, 100R16, 3/8 X 30"
16	75090352	1	HOSE, 100R16, 3/8 X 93"
17	75090353	1	HOSE, 100R16, 3/8 X 107"
18	70432700	1	PUMP UNIT, PD, 3400PSI
A	32780000-A1	1	SEAL KIT, DS LIFT CYLINDER-A
B	32780050-A1	1	SEAL KIT, CS LIFT CYLINDER-A
C	32780300-E1	1	SEAL KIT, POC CYLINDER-E

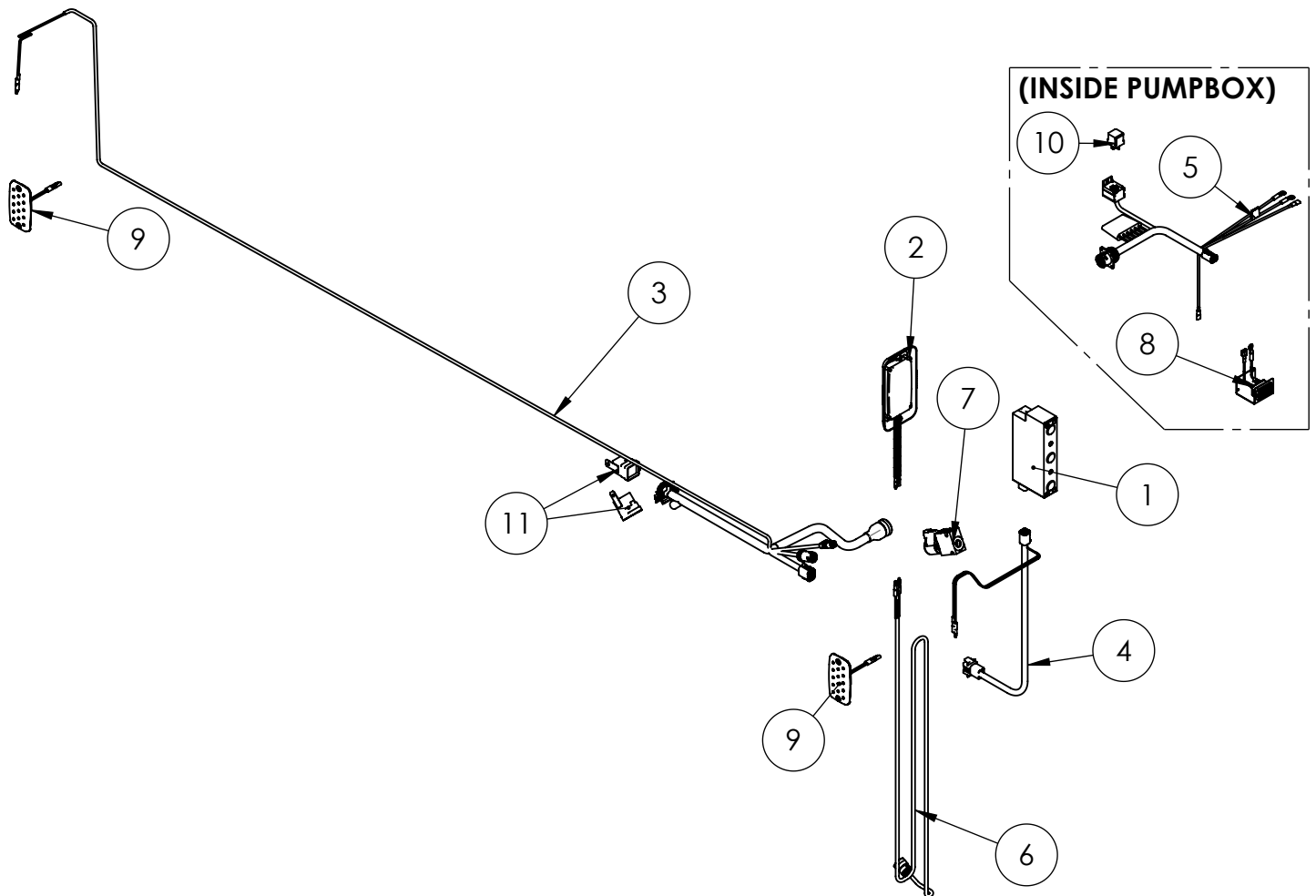
FOR PARTS INTERNAL TO THE PUMP BOX, SEE FOLLOWING PAGE



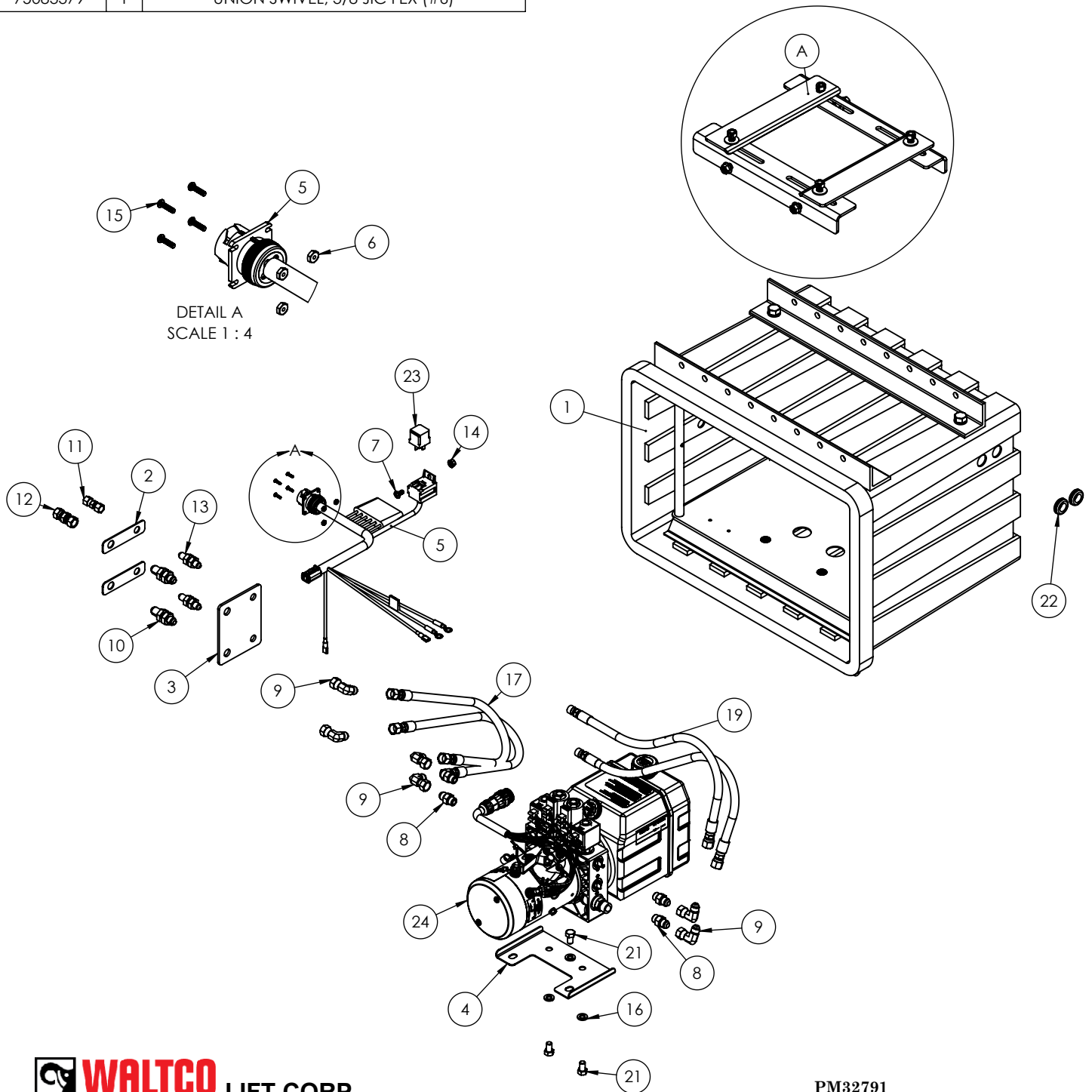
FOR PUMP PARTS, SEE PUMP PAGES



ITEM	PART NUMBER	QTY	DESCRIPTION
1	32790000	1	SWITCH ASSEMBLY, COLUMN
2	44790001	1	SWITCH, FM1000 COLUMN
3	32797000	1	HARNESS, MDV CONTROLS
4	32797001	1	HARNESS, MDV COLUMN
5	32797010	1	HARNESS, MDV PUMPBOX
6	32797020	1	HARNESS, MDV RUNNER SWITCH
7	27581035	1	HYDRAULIC LOCK VALVE
8	75082051	1	CYCLE COUNTER ASSEMBLY
9	75090371	2	WORK LIGHT ASSEMBLY
10	85803921	1	RELAY
11	85803984	2	RELAY, 12V, WEATHERPROOF, ISO

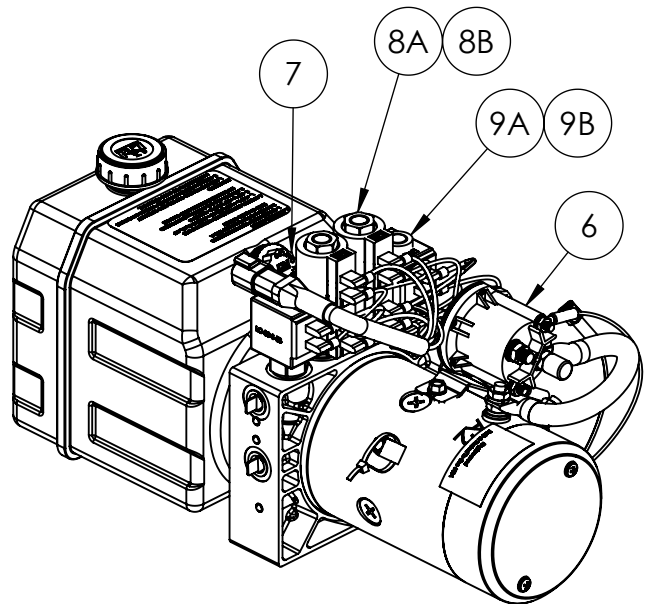
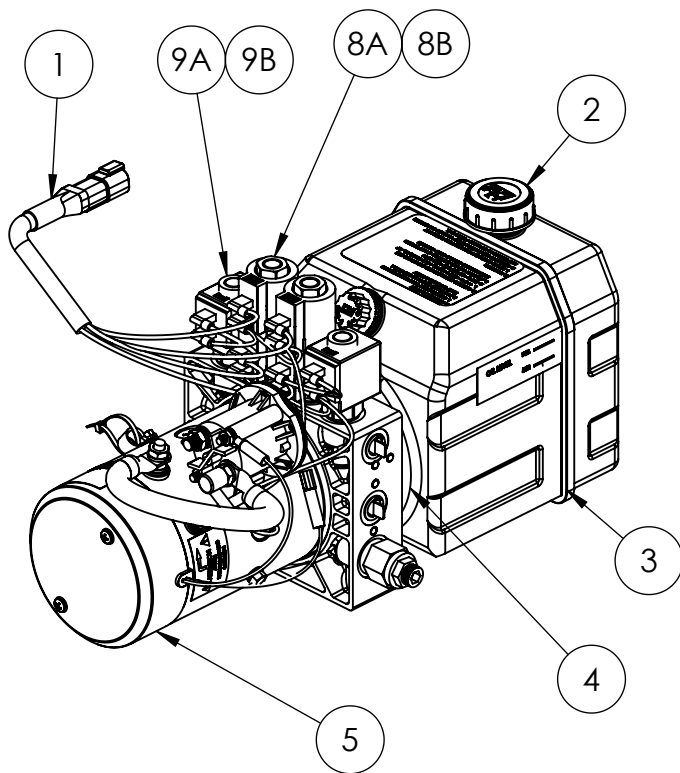


ITEM	PART NUMBER	QTY	DESCRIPTION	ITEM	PART NUMBER	QTY	DESCRIPTION
1	32791000	1	PUMP BOX ASSY, EMPTY, MDV	13	75083400	2	BULKHEAD, STRT, 7/16-20 W/NUT, JIC, 4WTX
2	32791180	2	BULKHEAD PLATE, OUTSIDE MDV	14	75085001	1	HEX NUT, 1/4-20, GR2, SERRATED
3	32791181	1	BULKHEAD PLATE DUAL, MDV	15	75086720	4	SCREW, #5-40X1/2", ROUND HEAD, PLATED
4	32791182	1	PUMP PLATE, MDV	16	75088081	4	LOCK WASHER, 3/8"
5	32797010	1	HARNESS, MDV PUMPBOX	17	75090354	1	HOSE, 100R16, 1/4" X 22" 3/8 JIC FEX X 3/8 JIC FEX
6	75072160	4	HEX NUT, #5-40, PLATED	19	75090355	1	HOSE, 100R16, 1/4" X 22" 3/8 JIC FEX X 1/4 JIC FEX
7	75081045	1	ROUND SCREW, 1/4-20X1/2 PHILLIPS, PLATED	21	7500010-15	4	HEX BOLT, 3/8-16 X .625, GR 8
8	75082882	4	ADAPTER, 3/8 SAE-ORB M X 3/8 JIC M	22	7500072-1	2	GROMMET, HOLE .625 ID, FOR 7/8" HOLE
9	75083028	6	ELBOW, 90, 3/8 JIC MA X 3/8 JIC FEX	23	85803921	1	RELAY
10	75083217	2	BULKHEAD, 6 WTX S (JIC)	24	70432700	1	PUMP UNIT, (KTI variant shown)
11	75083366	1	UNION, SWIVEL #4 JIC X #4 JIC	A	32791092	1	MDV PUMP BOX HANGER ASSEMBLY
12	75083379	1	UNION SWIVEL, 3/8 JIC FEX (#6)				



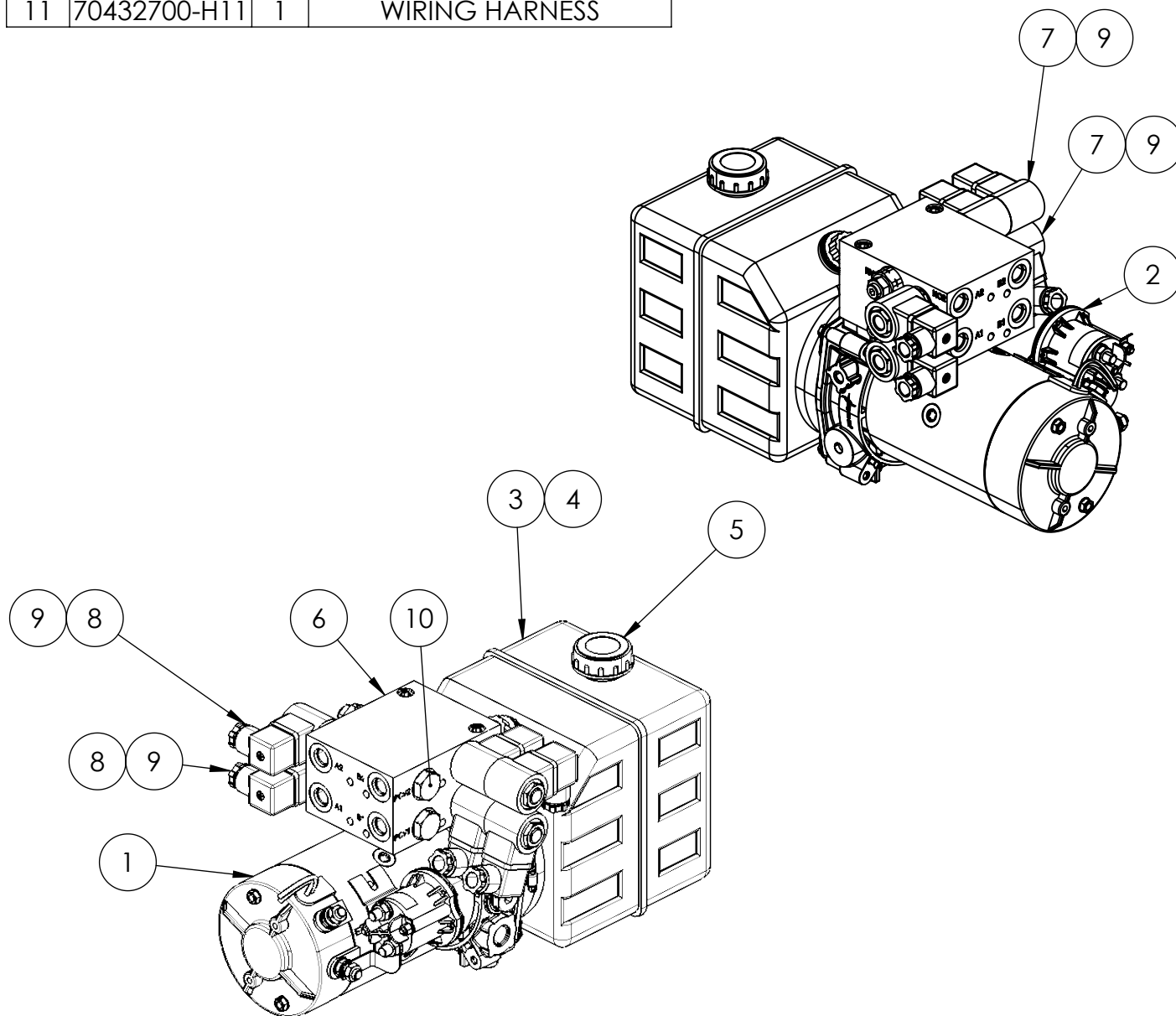
ITEM	PART NUMBER	QTY	DESCRIPTION
1	70432700-K01	1	WIRE HARNESS
2	70401494	1	BREATHER CAP
3	70432700-K03	1	TANK
4	70430610-K02	1	TANK O-RING
5	70401495	1	MOTOR
6	70432700-K04	1	MOTOR SOLENOID
7	70432700-K05	1	PLUG W/GASKET
8A	70432700-K06	2	VALVE, 4WAY 3 POSITN
8B	70401486	4	COIL, CYLINDRICAL 10VDC DUAL SPADE
9A	70432700-K07	2	VALVE, 2WAY
9B	70432700-K08	2	COIL, SQUARE 10VDC DUAL SPADE

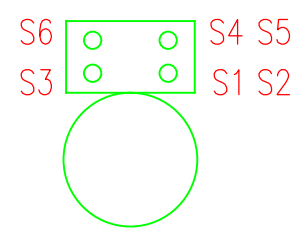
KTI REV X8



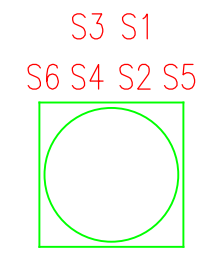
ITEM	PART NUMBER	QTY	DESCRIPTION
1	70432700-H01	1	MOTOR
2	70432700-H02	1	MOTOR SOLENOID
3	70432700-H03	1	TANK
4	70432700-H04	1	TANK O-RING
5	70432700-H05	1	BREATHER
6	70432700-H06	1	VALVE BODY
7	70432700-H07	2	VALVE, 4 WAY 3 POS
8	70430550-H11	2	VALVE, NORMALLY CLOSED
9	70432700-H09	6	COIL
10	70432700-H10	2	PILOT CHECK VALVE
11	70432700-H11	1	WIRING HARNESS

HYDRO-TEK REV 03





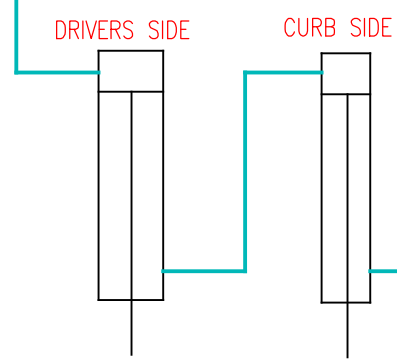
HYDRAULIC LOGIC DIAGRAM							
	VALVES						
FUNCTION	S1	S2	S3	S4	S5	S6	LOCKVALVE
POWER UP	X						
POWER DOWN		X	X				X
POWER OPEN				X			
POWER CLOSE					X	X	



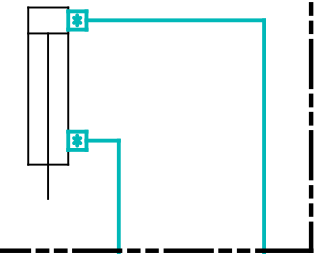
ALT. HYDRAULIC LOGIC DIAGRAM							
	VALVES						
FUNCTION	(S1)	(S2)	(S3)	(S4)	(S5)	(S6)	LOCKVALVE
POWER UP			X				
POWER DOWN				X		X	X
POWER OPEN	X						
POWER CLOSE		X			X		

MDV ELECTRIC / HYDRAULIC SCHEMATIC

LIFT CYLINDERS

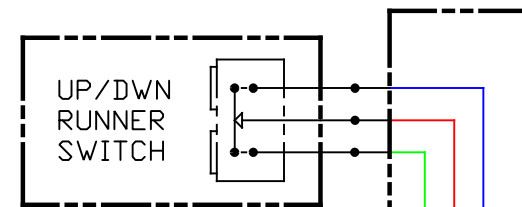
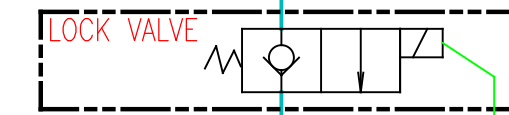


OPEN & CLOSE CYLINDER



(CYLINDER RETRACTS TO OPEN PLATFORM)
(= ORIFICE FITTING)

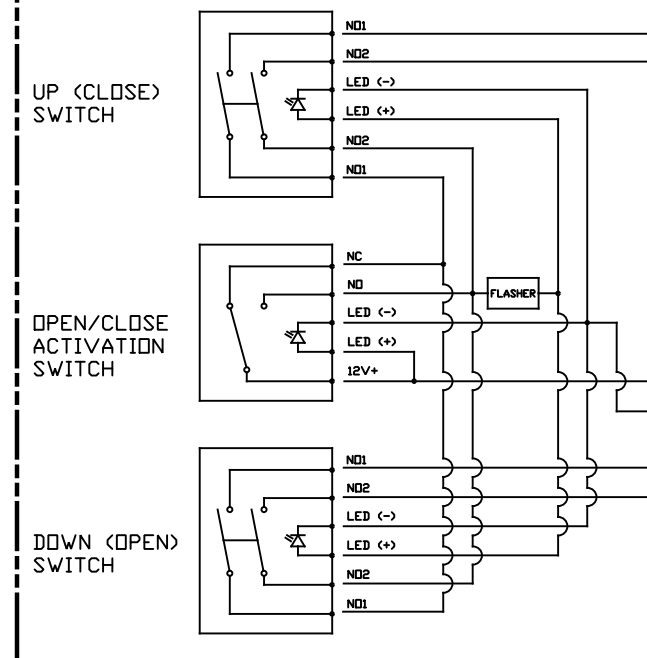
PCFC FITTING ON CYLINDER



RUNNER SWITCH HARNESS

3-PIN CONNECTOR

COLUMN SWITCH



COLUMN HARNESS

MAIN CONTROL HARNESS

6 PIN BULKHEAD CONNECTOR

- A - BLUE-UP
- B - WHITE-CLOSE
- C - RED +12 VDC
- D - BLACK-GROUND
- E - GREEN-DOWN
- F - ORANGE-OPEN

PUMP BOX

PUMP

4-PIN PUMP HARNESS CONNECTOR

CYCLE COUNTER (OPTIONAL)

RV 500 PSI

RV 3400 PSI

PUMP MOTOR

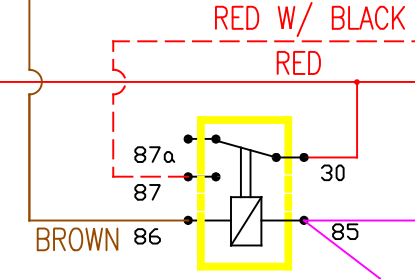
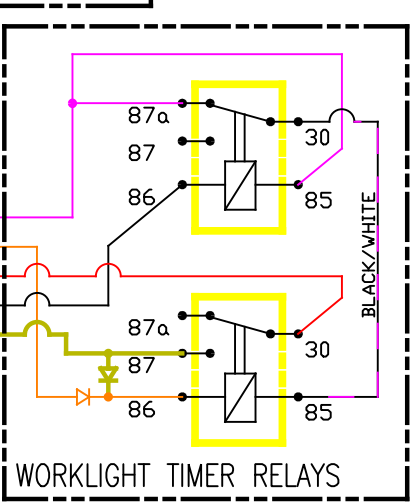
PUMP RESERVOIR

15A CIRCUIT BREAKER

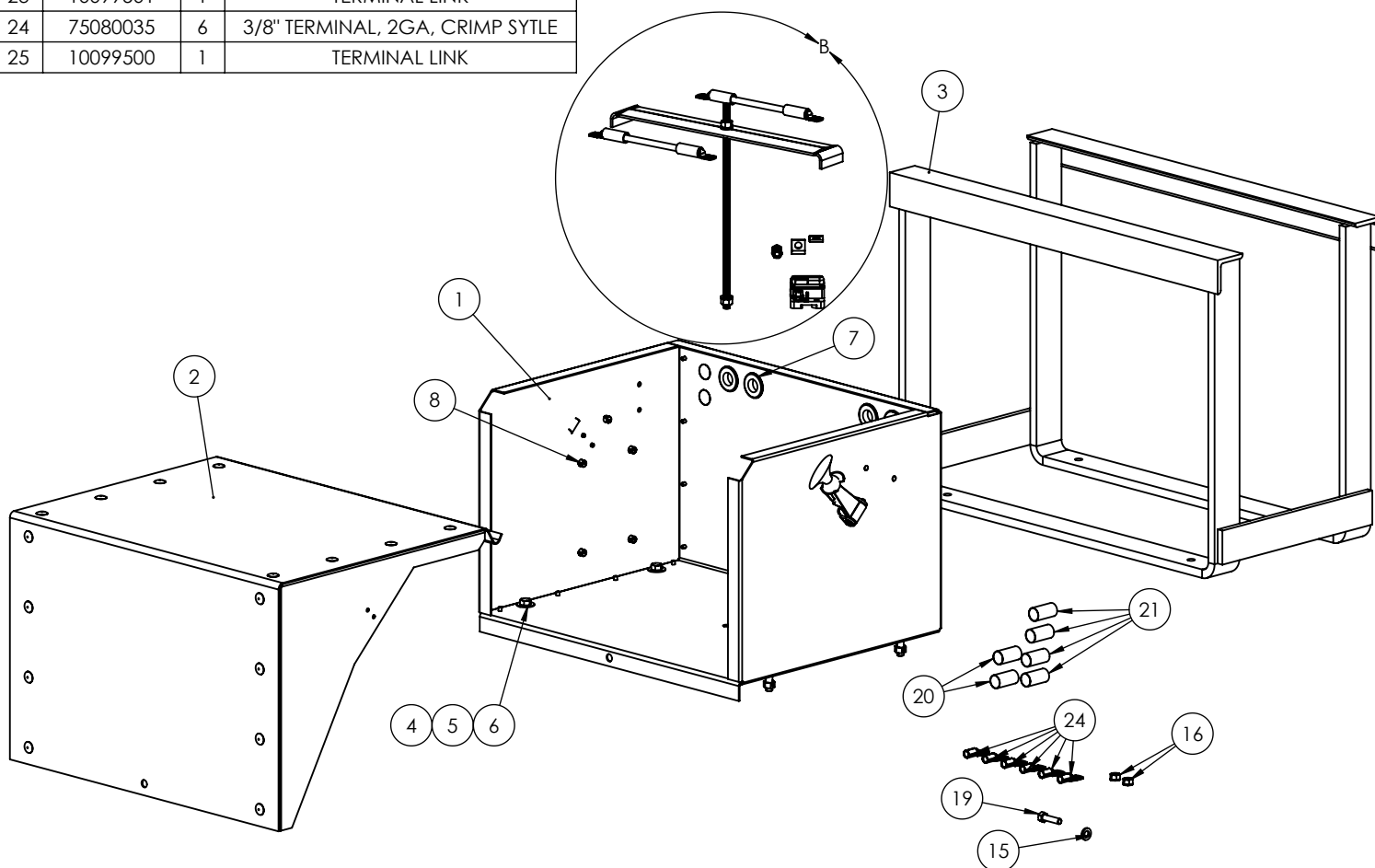
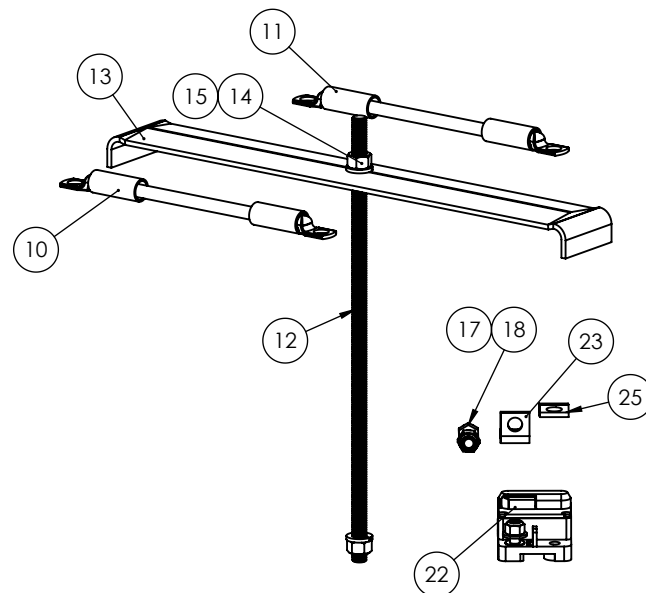
2 GA. RED

+12 VDC FROM 150A MANUAL RESET BREAKER

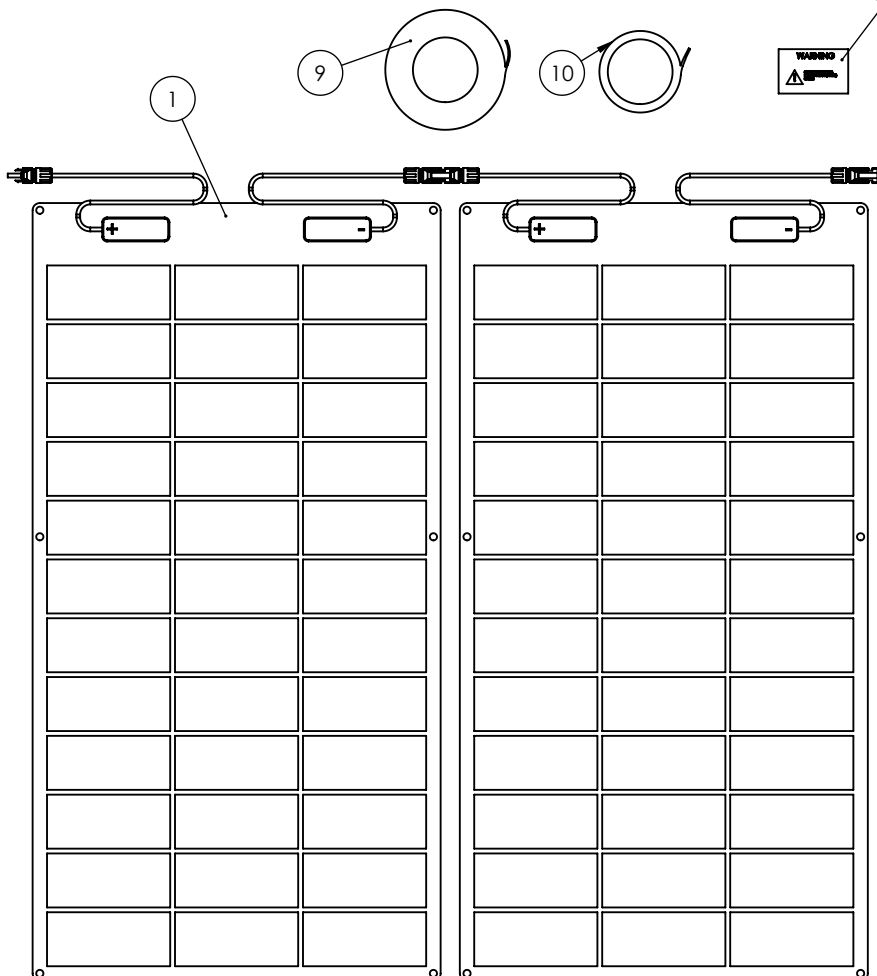
DEDICATED GROUND



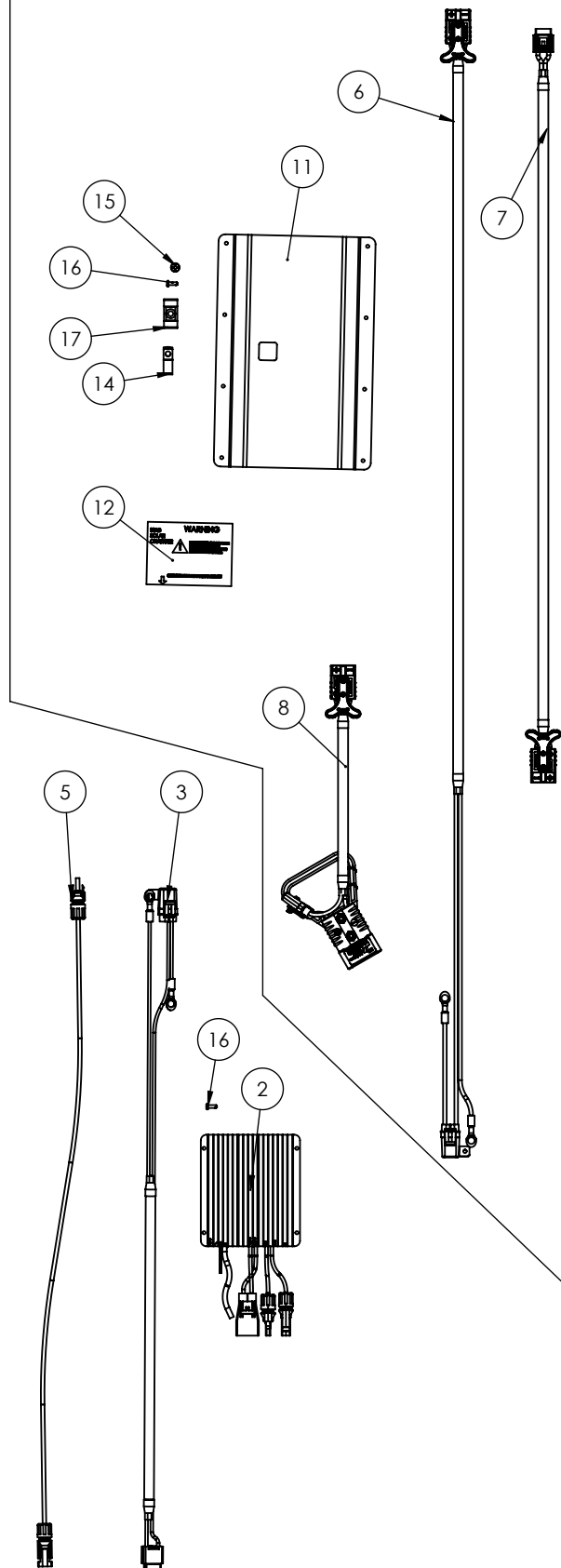
ITEM	PART NUMBER	QTY	DESCRIPTION
A	22791001GV	1	BATT BOX GALV ASSY [1-8]
1	22791201GV	1	BASE ASSY, GALV BATT BOX
2	22791501GV	1	LID ASSY, GALV BATT BOX
3	22791801GV	1	MOUNT FRAME, GALV AUX BATT BOX
4	75085188	4	3/8-16 NUT, CENTERLOCK
5	75086218	4	HEX BOLT, 3/8-16X1-1/4" LG GR8
6	75088053	4	WASHER, 3/8" X 1" X 0.083" THK
7	75089321	4	GROMMET, 3/4" ID
8	75089578	5	PLASTIC PLUG, 3/8" DIA HOLE
B	42694011	1	KIT, BATTERY HOLD DOWN [10-15]
10	10195508BK	1	8" BATTERY CABLE ASSY, 2GA BLACK
11	10195508RD	1	8" BATTERY CABLE ASSY, 2GA RED
12	42669079	1	THREADED ROD, 3/8-16 x 12" L
13	42791400	1	BATTERY HOLD DOWN
14	75085096	2	HEX NUT, 3/8-16, GR 2
15	75088081	3	LOCK WASHER, 3/8"
16	75085003	2	NUT, 5/16-18, SERRATED
17	75085177	1	5/16-18 LOCK NUT
18	75086065	1	HEX BOLT, 5/16-18 X .75, GR 5
19	75086217	1	HEX BOLT, 5/16-18 X 1.25, GR 8
20	75088036	2	BLACK HEAT SHRINK TUBE
21	75088038	4	RED HEAT SHRINK TUBE
22	75089243	1	150 AMP CIRCUIT BREAKER
22	75089254	1	200 AMP CIRCUIT BREAKER
23	10099501	1	TERMINAL LINK
24	75080035	6	3/8" TERMINAL, 2GA, CRIMP SYTLE
25	10099500	1	TERMINAL LINK



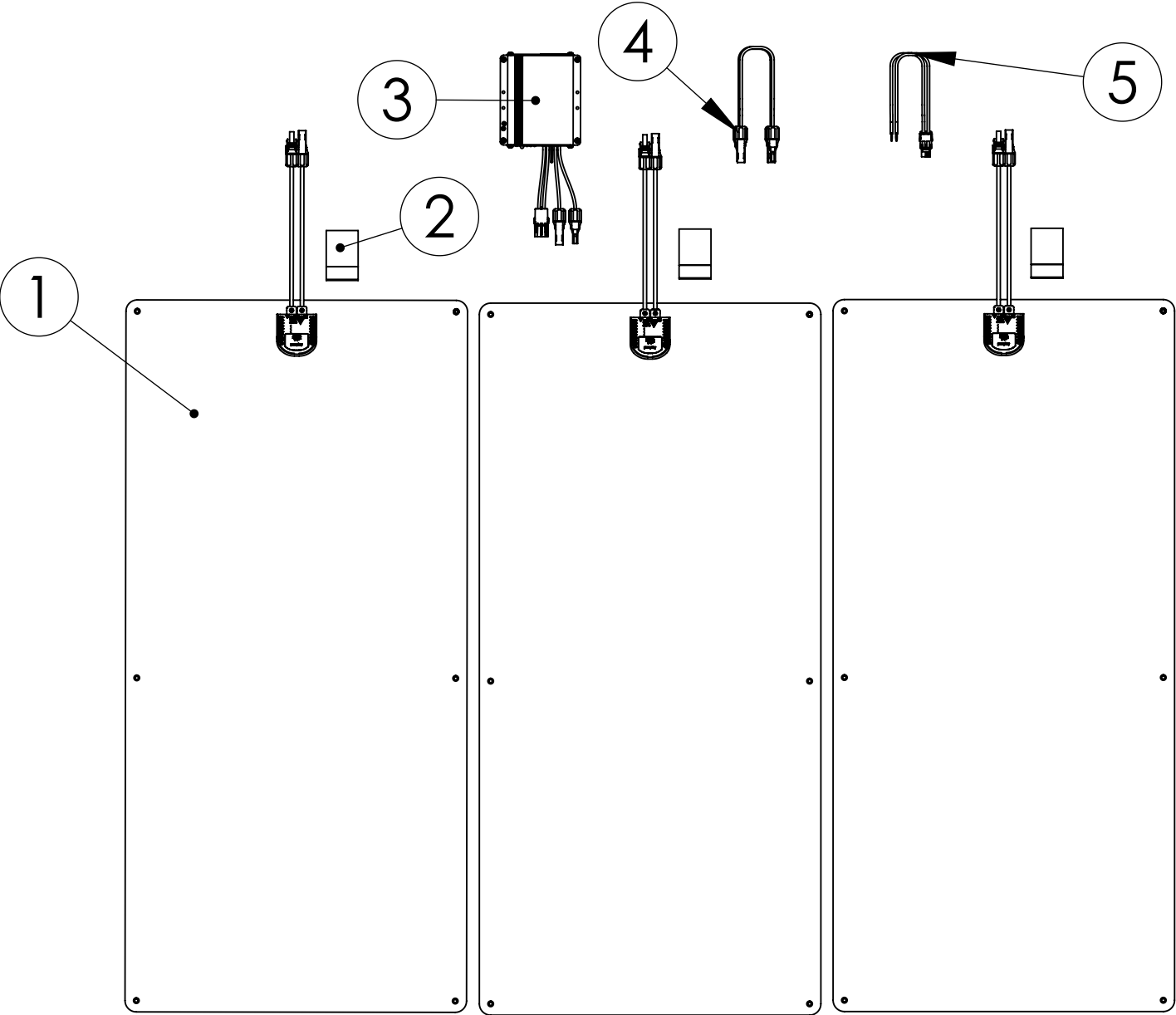
ITEM	PART NUMBER	QTY	DESCRIPTION
1	75090400	*	100W SOLAR PANEL, FLEXIBLE
2	75090401	1	SOLAR CHARGE CONTROLLER, 30A, HIAB-SC30
3	75090402	1	BATTERY HARNESS, 36"
4	75090403	1	SOLAR HARNESS, 40' [NOT SHOWN]
5	75090405	1	HARNESS, SOLAR EXTENSION, 3'
6	75090406	1	PJC BATTERY HARNESS, 60"
7	75090407	1	PJC HARNESS, 42"
8	75090408	1	CROWN CHARGE ADAPTER, 16"
9	75090409	1	ROOF TAPE, WHITE, 2" X 50'
10	75090410	1	ROOF TAPE, WHITE, 4" X 10'
11	75090411	1	COVER PLATE, PJC
12	75090412	1	DECAL, SOLAR PJC PV WARNING
13	75090413	1	DECAL, SOLAR PV WARNING
14	75083045	2	WIRE CLAMP, 5/8"
15	75086854	5	SCREW, 1/4-20X5/8 TYPE F PHILLIPS
16	75086884	13	#8-32x1/2" PAN HD PHILIPS TYPE F
17	75089023	3	CABLE TIE ANCHOR, 1/4" HOLE
A	80001610	1	SOLAR CHARGE HARNESS KIT (3,4&5)
B	80001611	1	KIT, 200W SOLAR CHARGE
C	80001612	1	KIT, 300W SOLAR CHARGE
D	80001616	1	KIT, 100W SOLAR PANEL EXPANSION (1&5)
E	80001613	1	PJ SOLAR CHARGE HARNESS KIT (4,5,6,7&8)
F	80001614	1	KIT, 200W SOLAR PJ CHARGE
G	80001615	1	KIT, 300W SOLAR PJ CHARGE



PALLET JACK SPECIFIC PARTS:



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	80001493	SOLAR PANEL 110W WITH ADHESIVE BACKING	3
2	80001516	ADHESIVE, 4 EVASEAL, 2"X 15FT ROLL	3
3	80001505	SOLAR CHARGE MPPT CONTROLLER	1
4	80001549	40FT HARNESS - SOLAR,	1
4	80001549	20FT HARNESS - SOLAR,	1
5	80001506	BATTERY HARNESS WITH FUSE	1
6	80001498	SOLAR PANEL INSTALLATION GUIDE	1



IMPORTANT

WARNING

Improper operation and maintenance of this liftgate could result in severe personal injury or death.

Read and understand the contents of liftgate Owner's manual and all warning and operation decals before operating and/or performing maintenance on this liftgate.

**For SAFETY information on this liftgate see
Chapter 1 of Owner's manual**