POP UP PRODUCTS LIMITED

REPAIR PARTS MANUAL

FOR PUSH 6 PRO, PUSH 8 PRO & PUSH 10 PRO

PUSH PRO

ELEVATING WORK PLATFORM

PUSH 6 PRO	SN: 01-000025+
PUSH 8 PRO	SN: 01-000368+
PUSH 10 PRO	SN: 01-000050+



PN 0120877

SEPTEMBER 2012

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DANGER

The aerial platform is not electrically insulated. Death or serious injury will result from contact with, or inadequate clearance from, an energized conductor.

Do not go closer than the Minimum Safe Approach Distance as defined by ANSI standards.

Regard all conductors as energized.

Allow for electrical wire sag and aerial platform sway.

If the platform, scissors structure, or any part of the aerial platform contacts a high-voltage electrical conductor, the entire machine can become electrically charged. If that happens, remain on the machine and do not contact any other structure or object. This includes the ground, adjacent buildings, poles, and any other objects that are not part of the aerial platform.

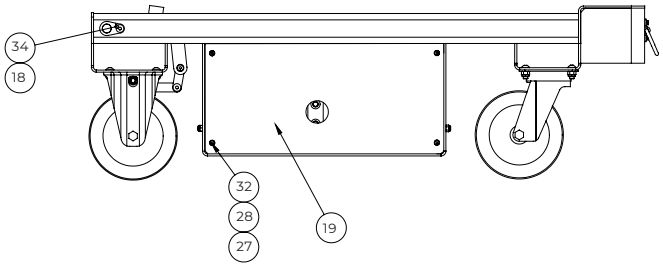
Such contact could make your body a conductor to the other object, creating an electrical shock hazard resulting in death or serious injury. If an aerial platform is in contact with an energized conductor the platform operator must warn ground personnel in the vicinity to stay away. Their bodies can conduct electricity creating an electrical shock hazard resulting in death or serious injury.

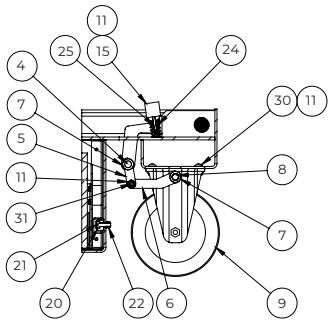
Do not approach or leave the aerial platform until the electricity has been turned off. Do not attempt to operate the lower controls when the platform, boom structure, or any part of the aerial platform is in contact with a high-voltage electrical conductor or if there is an immediate danger of such contact. Personnel on or near an aerial platform must be continuously aware of electrical hazards, recognizing that death or serious injury can result from contact with an energized conductor.

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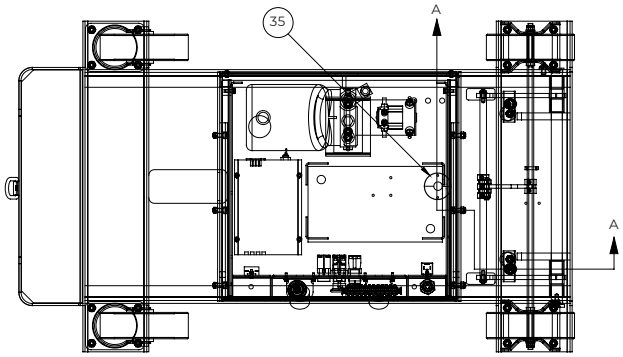
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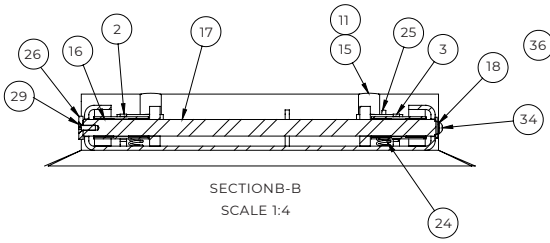
CHASSIS – PUSH 6 PRO/PUSH 8 PRO/PUSH 10 PRO



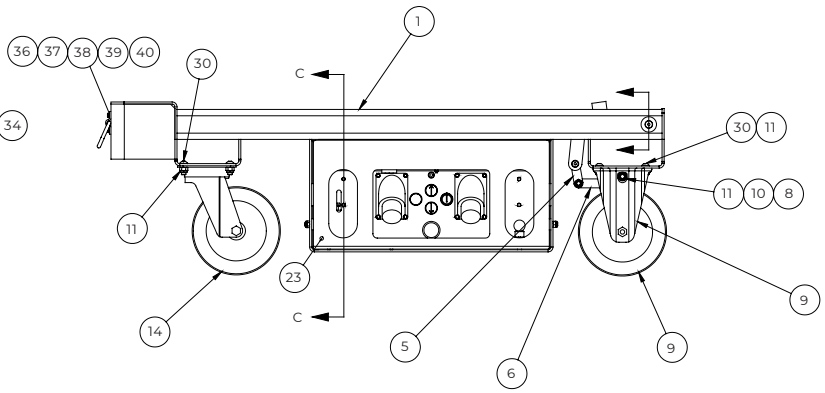


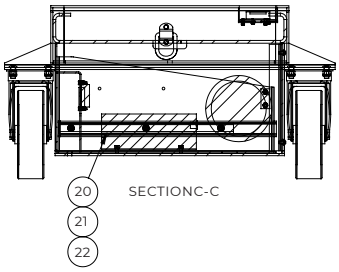
SECTIONA-A



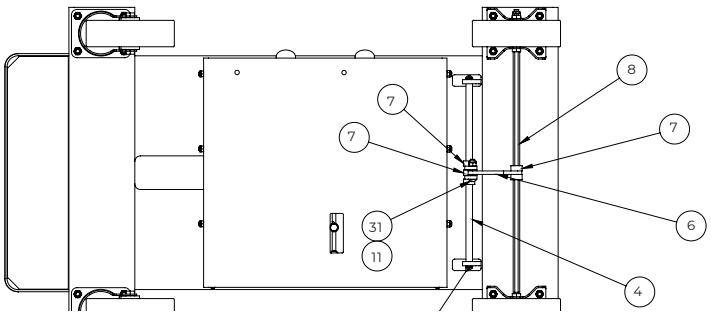


SECTIONB-B
SCALE 1:4





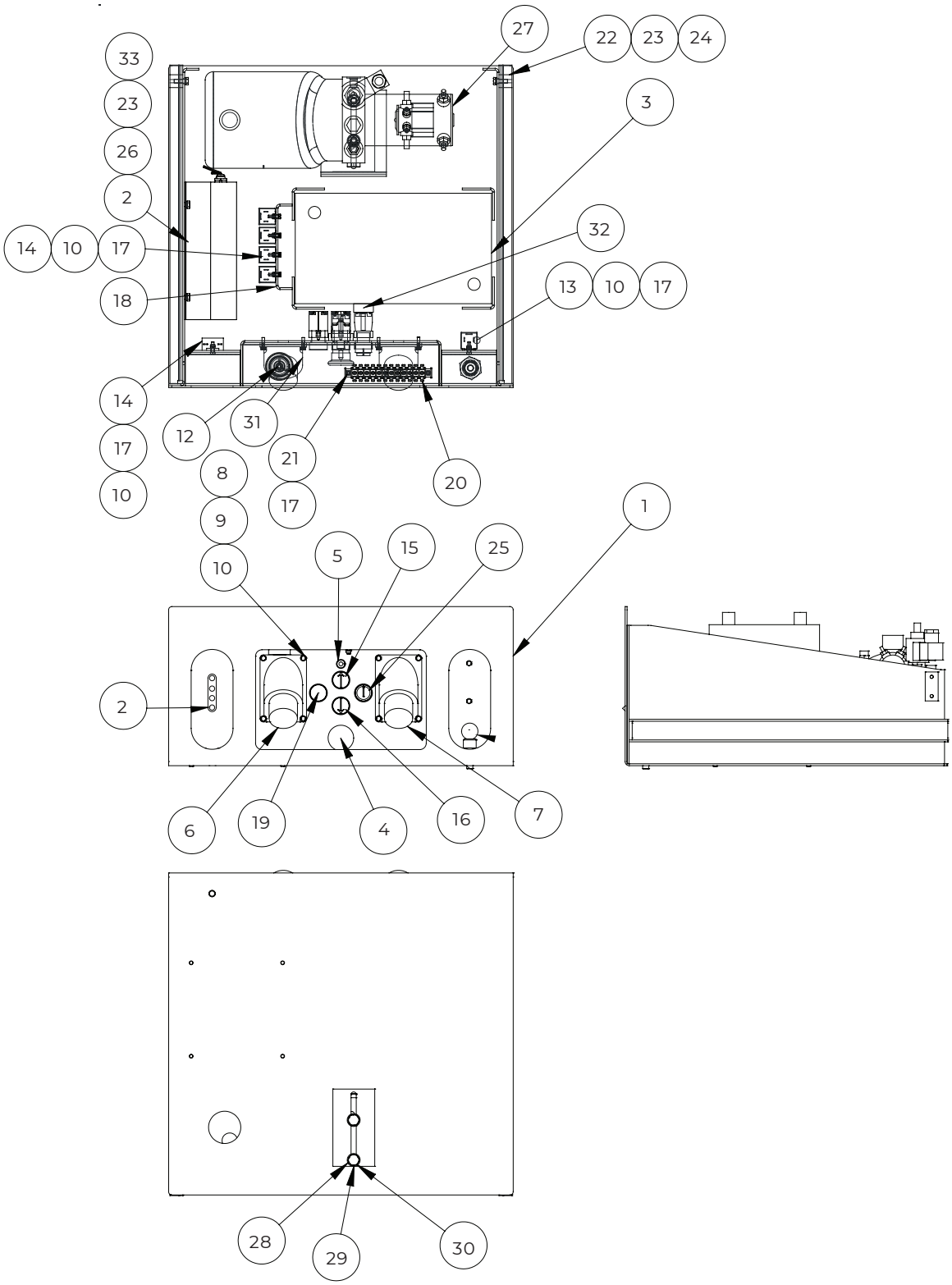
SECTIONC-C



CHASSIS – PUSH 6 PRO/PUSH 8 PRO/PUSH 10 PRO

ITEM	PART NO.	QTY.	DESCRIPTION
1	0120591-D	1	BASE WELDMENT
2	0120675-D	1	ARM WELDMENT
3	0120676-D	1	ARM WELDMENT
4	0120671	1	PIN
5	0120667-D	2	LINK
6	0120668-D	1	LINK
7	5554375	5	COLLAR SHAFT 15MM
8	0120670	1	BAR HEX
9	0120670	2	WHEEL ASSY FIXED CASTOR
10	5560364	4	M10 FLAT WASHER DIN 125
11	5560719	21	NUT HEX LKG M10-1.50
12	5560613	2	WSHR FLAT M8
13	5560355	2	WSHR LOCK M8
14	0120663	2	WHEEL ASSY SWIVEL CASTOR
15	0120752	2	BUMPER W/M10 X 1.5 THREADED STUD
16	2509723	4	BRG 25MM ID X 28MM OD X 30MM LG
17	0120682-D	1	WELDMENT PIN
18	5560356	1	WSHR LOCK M10 DIN 127
19	0120751	1	COVER PLATE
20	0120680-D	2	SLIDE
21	5563226	6	SHCS M8 X 1.25 X 25 G8.8 ISO 4762 BLACK OXIDE
22	5560727	6	NUT HEX LKG M8-1.25
23	512240-801	1	TRAY SUB ASSY PUSH (STAGE 1)
24	5534378	2	SPRING
25	5563250	2	ROLL PIN 6M X 30
26	0120560-D	1	KEEPER PIN
27	5560629	4	M6 FLAT WASHER DIN 125
28	5560664	4	WSHR LOCK M6 DIN 127
29	5563128	1	BLT FLSKTHD M8-1.25 25
30	5563263	16	SBHCS M10 X 1.50 X 25 GR 10.9 BLK FINISH
31	5563267	1	SBHCS M10 X 1.50 X 45 GR 10.9 BLK FINISH
32	5563279	4	SBHCS M6 X 1.0 X 12 GR 10.9 BLK FINISH
33	5563297	2	SBHCS M8 X 1.25 X 16 GR 10.9 BLK FINISH
34	5563260	1	SBHCS M10 X 1.50 X 16 GR 10.9 BLK FINISH
35	512329-000	1	HYDRAULIC HOSE SECURING BUSH
36	107080-000	1	TIE DOWN BRACKET
37	107080-001	1	TIE DOWN BAR
38	056069-008	4	M8 FLAT WASHER
39	056059-025	2	M8 X 1.5 X 25 GR 8.8 HEXBOLT ZP
40	056064-008	2	M8 NYLOC NUT

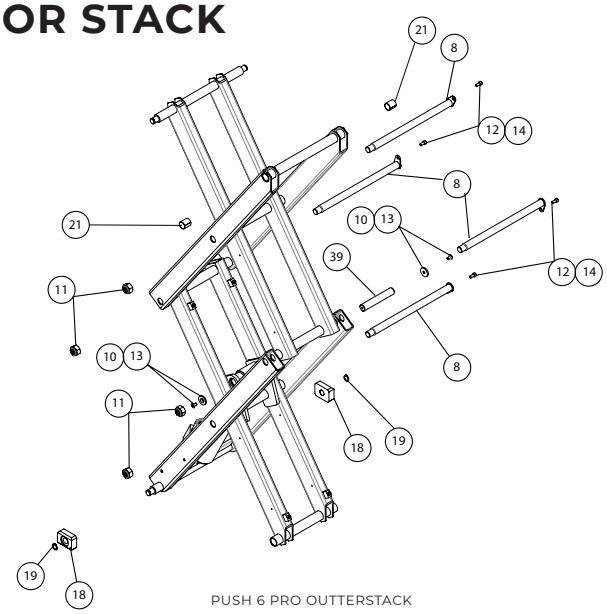
TRAY


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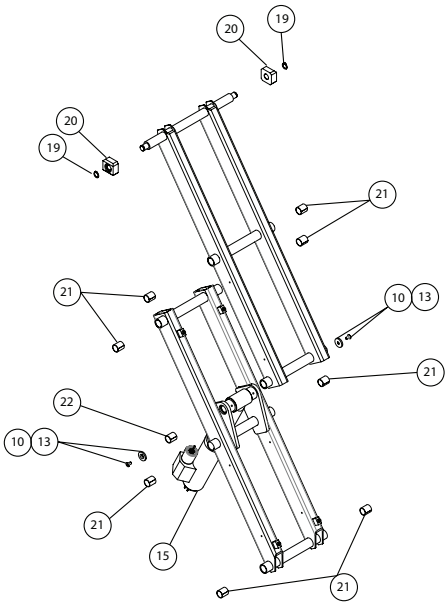
TRAY

ITEM	PART NO.	QTY.	DESCRIPTION
1	0120830	1	WLDMT, TRAY
2	0120827	1	CHARGER SIGNET 12V
3	3050002	1	BATTERY 12V
4	510524-000	1	PUSH/PULL SW ASSY W/NC CONTACT
5	509472-000	1	SW TGL SPDT (ON) OFF (ON)
6	0120802	1	CHARGER PLUG BLUE
7	0120801	1	CHARGER PLUG YELLOW
8	5569887	8	M4 FLAT WASHER DIN 125
9	5563245	8	WSHR LOCK M4 DIN 127
10	5563131	12	BLT HEXHD M4-0.7 16MM
11	003570-005	1	RETAINING PIN ASSY
12	502588-000	1	ALARM, SOUNDER
13	3040508	1	TIME DELAY MODULE
14	512314-000	4	RELAY SPDT 12V 40AMP
15	0120803	1	RAISE PUSH BUTTON
16	0120804	1	LOWER PUSH BUTTON
17	5563011	6	NUT LKG M4-0.70
18	0120878	1	TRAY BRACKET, PUSH
19	510542-000	1	ENABLE PUSH BUTTON
20	512253-000	1	TERMINAL STRIP (12)
21	5563249	2	SHCS M4 X 0.7 X 25 G8.8 ISO 4762 ZINC PLATED - BRIGHT CRO-MATED
22	0120834	2	BLOCK, TRAY STOP
23	5560664	8	WSHR LOCK M6 DIN 127
24	5560690	4	HHCS M6 X 1 X 18 G8.8 ISO 4017 DIN 933
25	510526-000	1	KEY SWITCH
26	5563248	4	SHCS M6 X 1 X 12 G12.9 ISO 4762 ZINC PLATED - BRIGHT CRO-MATED
27	513408-000	1	POWER UNIT
28	5560364	2	M10 FLAT WASHER DIN 125
29	5560356	2	WSHR LOCK M10 DIN 127
30	972019	2	BLT HEXHD M10-1.5 X 25MM
31	510150-000	2	3 AMP DIODE
32	510527-000	2	CONTACT BLOCK N/O
33	512907-000	1	CHARGER LEAD

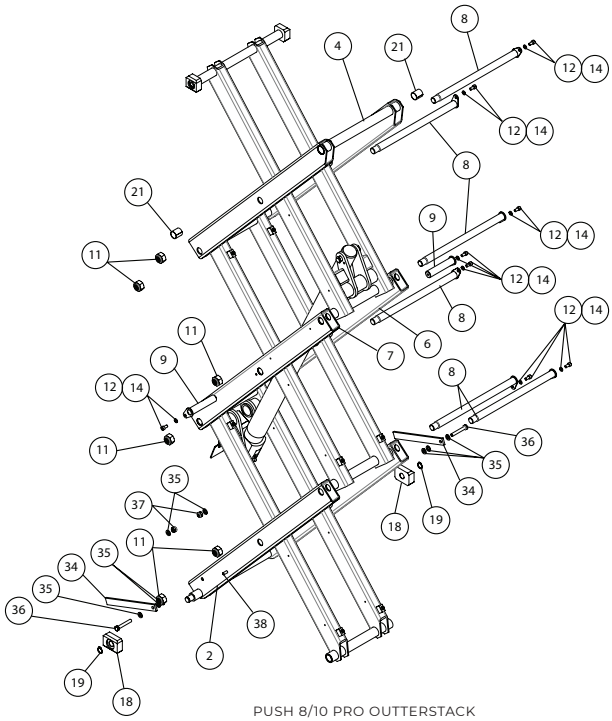
SCISSOR STACK



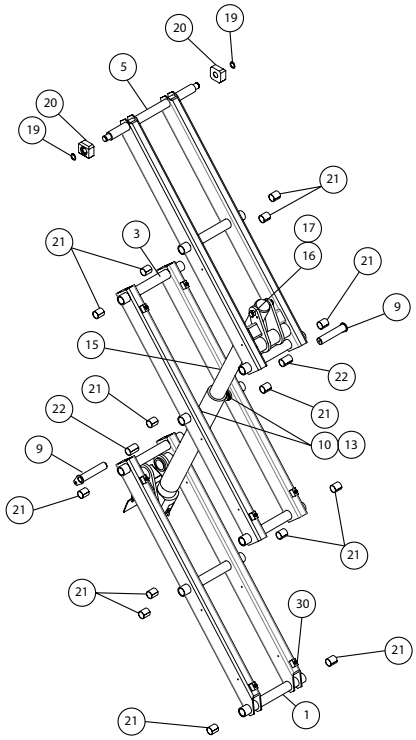
PUSH 6 PRO OUTTERSTACK



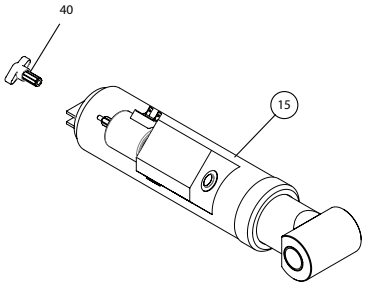
PUSH 6 PRO INNERSTACK



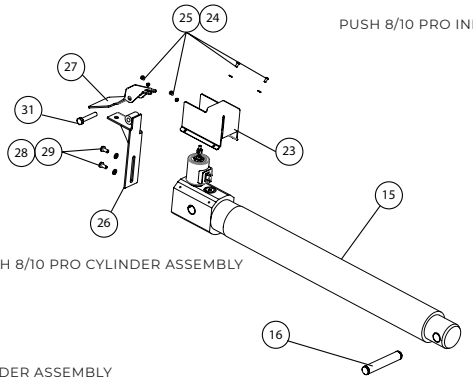
PUSH 8/10 PRO OUTTERSTACK



PUSH 8/10 PRO INNERSTACK



PUSH 6 PRO CYLINDER ASSEMBLY



PUSH 8/10 PRO CYLINDER ASSEMBLY

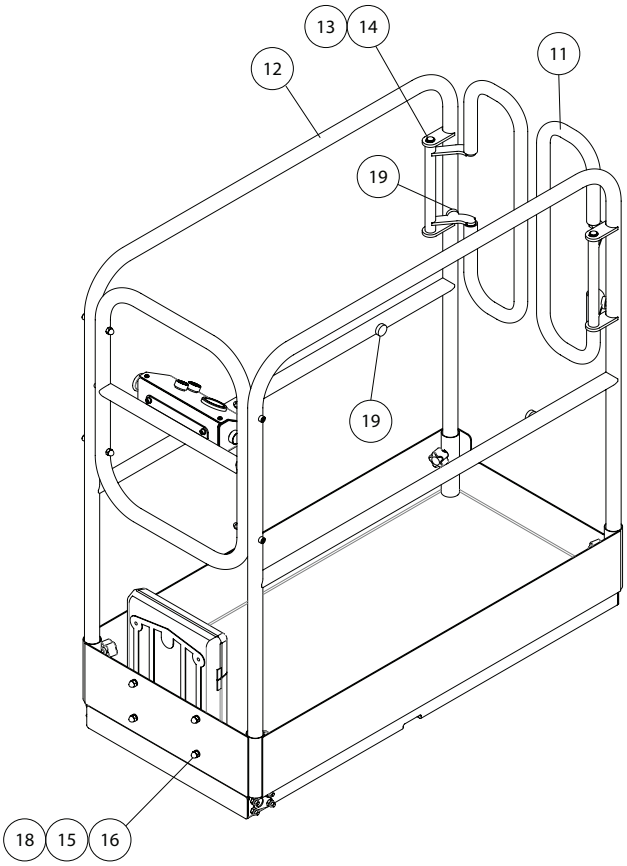
SCISSOR STACK – PUSH 6 PRO/PUSH 8 PRO/PUSH 10 PRO

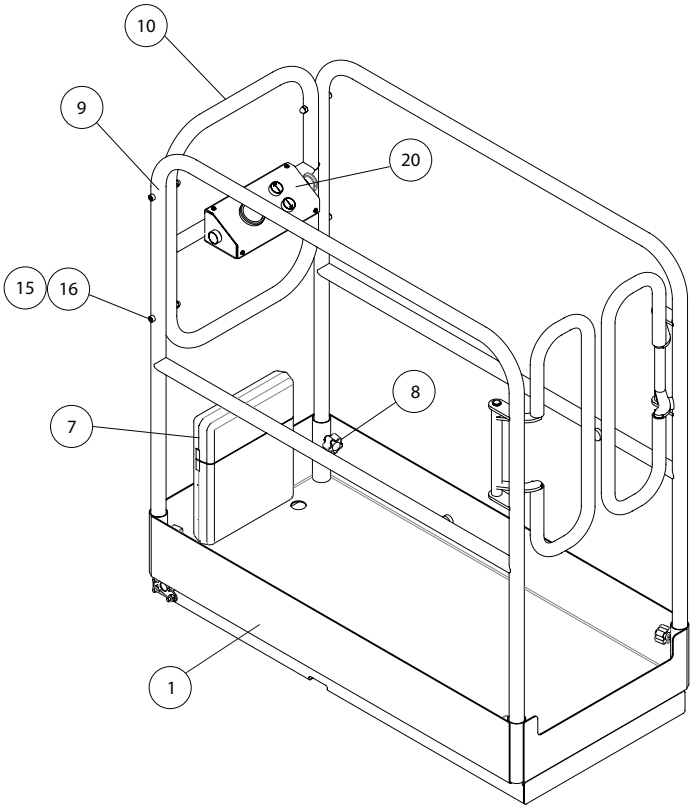
ITEM	PART NO.	QTY.	DESCRIPTION
1	0120618 0120598 0120525	1 1 1	WLDMNT 1ST INNER ARM PUSH 6 WLDMNT 1ST INNER ARM PUSH 8 WLDMNT 1ST INNER ARM PUSH 10
2	0120621 0120595 0120519	1 1 1	WLDMNT 1ST OUTER ARM PUSH 6 WLDMNT 1ST OUTER ARM PUSH 8 WLDMNT 1ST OUTER ARM PUSH 10
3	0120603 0120548	1 1	WLDMNT 2ND INNER ARM PUSH 8 WLDMNT 2ND INNER ARM PUSH 10
4	0120606 0120549	1 1	WLDMNT 3RD OUTER ARM PUSH 6/8 WLDMNT 3RD OUTER ARM PUSH 10
5	0120609 0120539	1 1	WLDMNT 3RD INNER ARM PUSH 6/8 WLDMNT 3RD INNER ARM PUSH 10
6	0120602 0120553	1 1	TUBE 2ND OUTER ARM LH PUSH 8 TUBE 2ND OUTER ARM LH PUSH 10
7	0120601 0120554	1 1	TUBE 2ND OUTER ARM RH PUSH 8 TUBE 2ND OUTER ARM RH PUSH 10
8	0120557 0120557	6 6	WELDMENT PIN PUSH 8/10 WELDMENT PIN PUSH 6
9	0120559	2	WELDMENT PIN
10	0120560 0120560	2 2	KEEPER PIN PUSH 6 KEEPER PIN PUSH 8/10
11	5563247 5563247	6 4	M22 X 2.5 STEEL-INSERT HEX LOCKNUT PUSH 8/10 M22 X 2.5 STEEL-INSERT HEX LOCKNUT PUSH 6
12	5560355 5560355	8 4	WSHR LOCK M8 PUSH 8/10 WSHR LOCK M8 PUSH 6
13	5563128 5563128	2 2	BLT FLSKTHD M8-1.25 25 PUSH 6 BLT FLSKTHD M8-1.25 25 PUSH 8/10
14	5563240 5563240	8 4	SHCS M8 X 1.25 X 16 G12.9 ZINC COATED ALLOY STEEL PUSH 8/10 SHCS M8 X 1.25 X 16 G12.9 ZINC COATED ALLOY STEEL PUSH 6
15	513063-000 513065-000 513064-000	1 1 1	CYLINDER, LIFT PUSH 8 CYLINDER, LIFT PUSH 8 CYLINDER, LIFT PUSH 10
16	0120660	2	PIN CYLINDER MOUNT
17	5592008	4	SNAP RING EXTERNAL 18MM
18	0120616 0120616	2 2	BLOCK SLIDE PUSH 6 BLOCK SLIDE PUSH 8/10
19	5592007 5592007	4 4	SNAP RING EXT 20MM PUSH 6 SNAP RING EXT 20MM PUSH 8/10
20	0120612 0120612	2 2	BLOCK SLIDE PUSH 6 BLOCK SLIDE PUSH 8/10
21	2509723 2509723	16 10	BRG 25MM ID X 28MM OD X 30MM LG PUSH 8/10 BRG 25MM ID X 28MM OD X 30MM LG PUSH 6
22	2509724 2509724	2 2	BRG 25MM ID X 28MM OD X 40MM LG PUSH 8/10 BRG 25MM ID X 28MM OD X 40MM LG PUSH 6

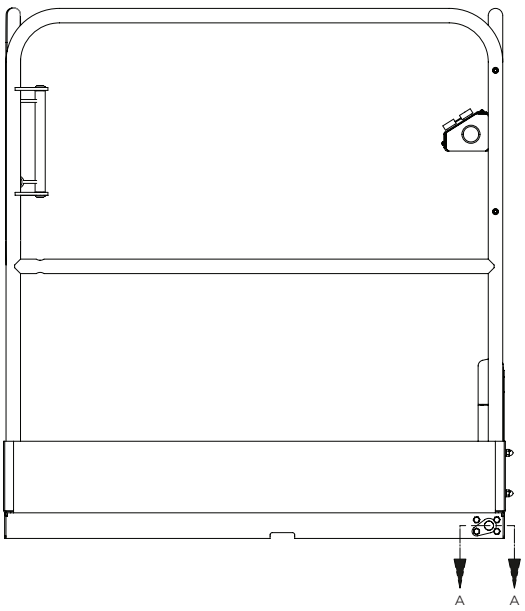
SCISSOR STACK – PUSH 6 PRO/PUSH 8 PRO/PUSH 10 PRO

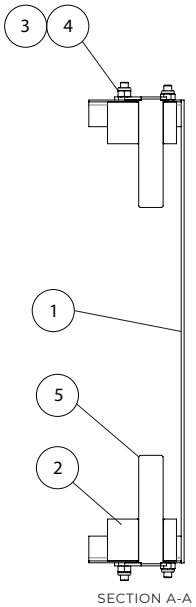
23	0120786	1	COVER COIL
24	5563245	4	WSHR LOCK M4 DIN 127
25	5563241	4	SBHCS M4 X .7 X 8 18-8 STAINLESS STEEL
26	1360088	1	WLDMT, PIVOT BRKT BLEED DOWN
27	0120820	1	WLDMT BLEED DOWN LEVER
28	5560664	2	WSHR LOCK M6 DIN 127
29	5560628	2	HHCS M6 X 1 X 12 G8.8 ISO 4017 DIN 933
30	5563237	8	BUMPER
31	5560634	1	HHCS M8 X 1.25 X 45 G8.8 ISO 4017 DIN 933
32	5560727	1	NUT HEX LKG M8-1.25
33	5560034	1	10-24UNC HEX LOCK NUT
34	0120813	2	SAFETY PROP, POPUP
35	5560364	6	M10 FLAT WASHER DIN 125
36	5560719	2	NUT HEX LKG M10-1.50
37	5560672	2	HHCS M10 X 1.5 X 65 G8.8 DIN 933
38	5560023	2	PIN, ROLL M8 X 40
39	513031-000	1	PIN, PUSH 6 CYLINDER
40		1	T-HANDLE PUSH 6

PLATFORM









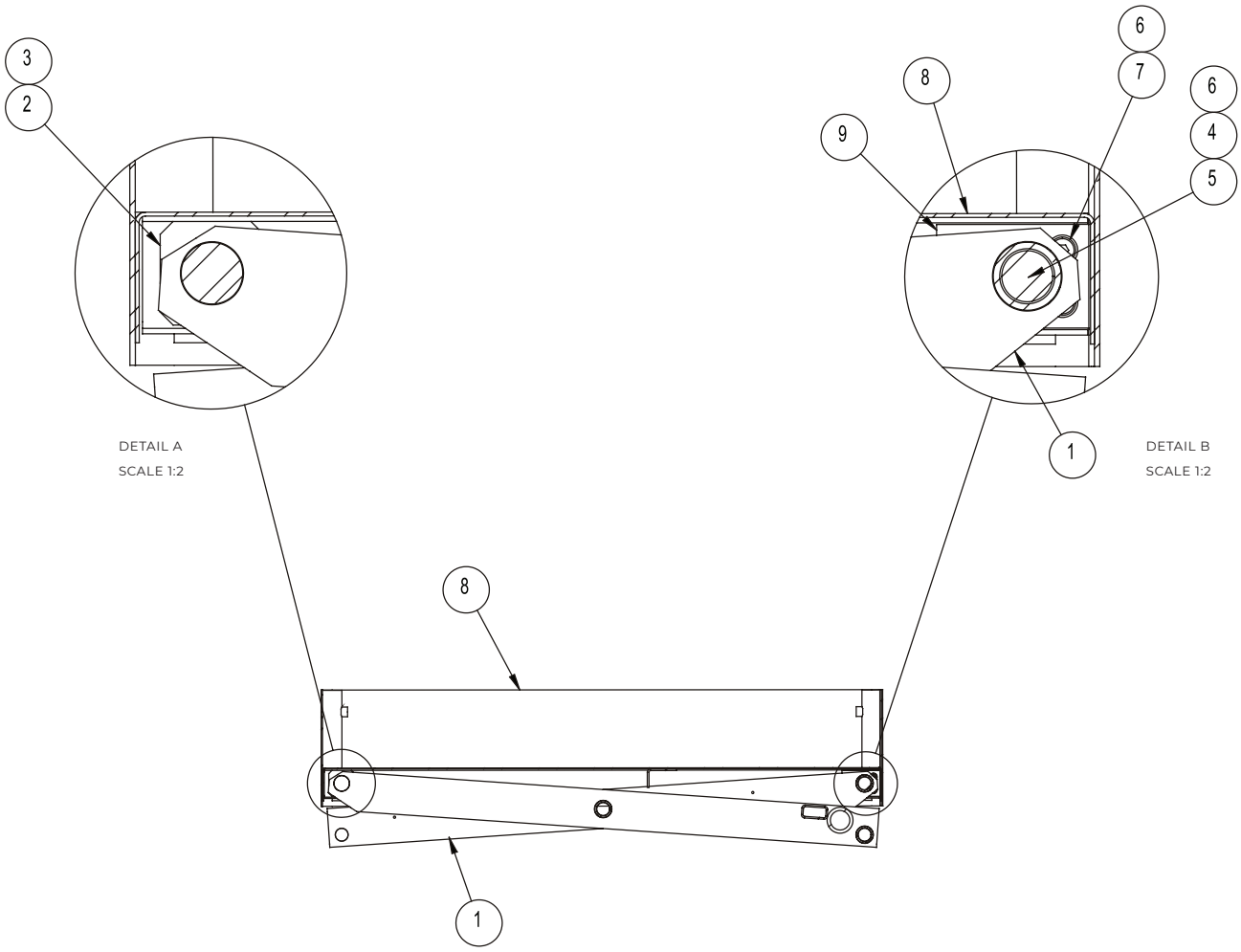
SECTION A-A

PLATFORM

ITEM	PART NO.	QTY.	DESCRIPTION
1	512899-000	1	WLDMT DECK PUSH
2	0120772	2	BLOCK
3	5563235	8	SHCS M8 X 1.25 X 50 G8.8 ISO 4762 BLACK OXIDE
4	5560727	10	NUT HEX LKG M8-1.25
5	0120774	2	WELDMENT PIN
6			
7	010076-000	1	COMPARTMENT LITERATURE BOX
8	5563251	4	M8 THREADED KNOB
9	0120492-D	1	WLDMT, HAND RAIL, LEFT
10	512898-000	1	WLDMT, HAND RAIL, FRONT
11	0120505-D	2	WLDMT, SWING GATE
12	0120498-D	1	WLDMT, HAND RAIL, RIGHT
13	0120825	2	PIN, SALOON DOOR
14	5592001	4	RETAINING RING, EXTERNAL, .625 DIA, BASIC
15	5563259	4	SHCS M8 X 1.25 X 70 G8.8 ISO 4762 ZINC PLTD BRIGHT CHROMATE
16	5563256	8	METRIC ACORN NUT M8 X 1.25 ZINC PLTD
17	5569967	4	HHCS M8 X 1.25 X 16 G8.8 ISO 4017 DIN 933
18	5560355	4	WSHR LOCK M8
19	0120731	4	BUMPER
20		1	UPPER CONTROL BOX (SEE PAGE 16)

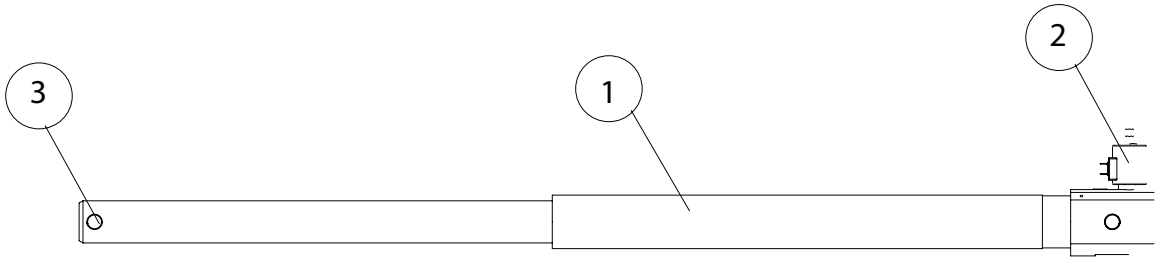
PLATFORM MOUNTING

ITEM	PART NO.	QTY.	DESCRIPTION
1		1	SCISSOR STACK – REFERENCE
2	0120612	2	SLIDE BLOCK
3	5592007	2	SNAP RING EXT 20MM
4	5560595	2	SHCS M8 X 1.25 X 20 G8.8 ISO4762 BLACK OXIDE
5	0120774	2	PIN
6	5560727	10	NUT HEX LKG M8-1.25
7	5563235	8	SHCS M8 X 1.25 X 50 G8.8 ISO4762 BLACK OXIDE
8		1	PLATFORM –REFERENCE
9	0120772	2	BLOCK

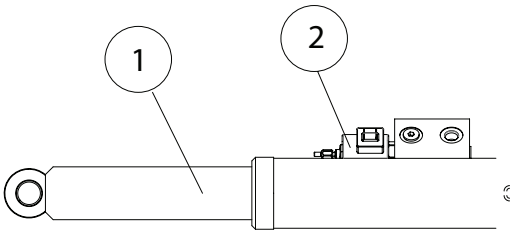


LIFT CYLINDER

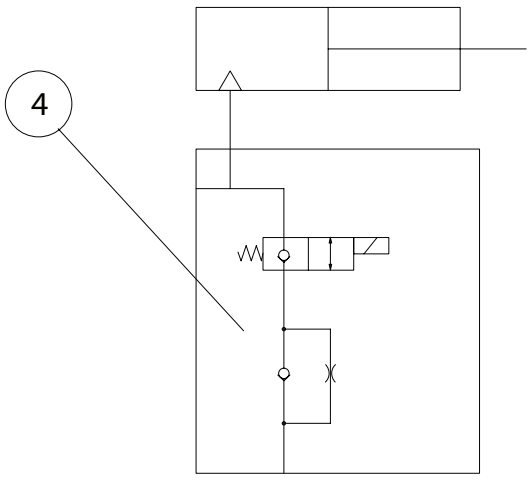
ITEM	PART NO.	QTY.	DESCRIPTION
1	513063-000	1	CYLINDER, LIFT PUSH 6 PRO INCLUDES ITEM 2
	513064-000	1	CYLINDER, LIFT PUSH 8 PRO INCLUDES ITEMS 2 AND 3
	513065-000	1	CYLINDER, LIFT PUSH 10 PRO INCLUDES ITEMS 2 AND 3
2	512313-000	1	SOLENOID VALVE, 12 VOLT DC
3	2509722	4	BEARING
4	6091348	1	CHECK VALVE, .045 ORIFICE
	512370-000	1	HOSE KIT, PUSH 8
	512373-000	1	HOSE, HYDRAULIC, -4 -4F -4F 62 100R2
	512371-000	1	FTG, 1/4 BSP M -4 ORFS POS 90
	512372-000	1	FTG, -6 ORB, -4 ORFS POS 90



PUSH 8/10 CYLINDER

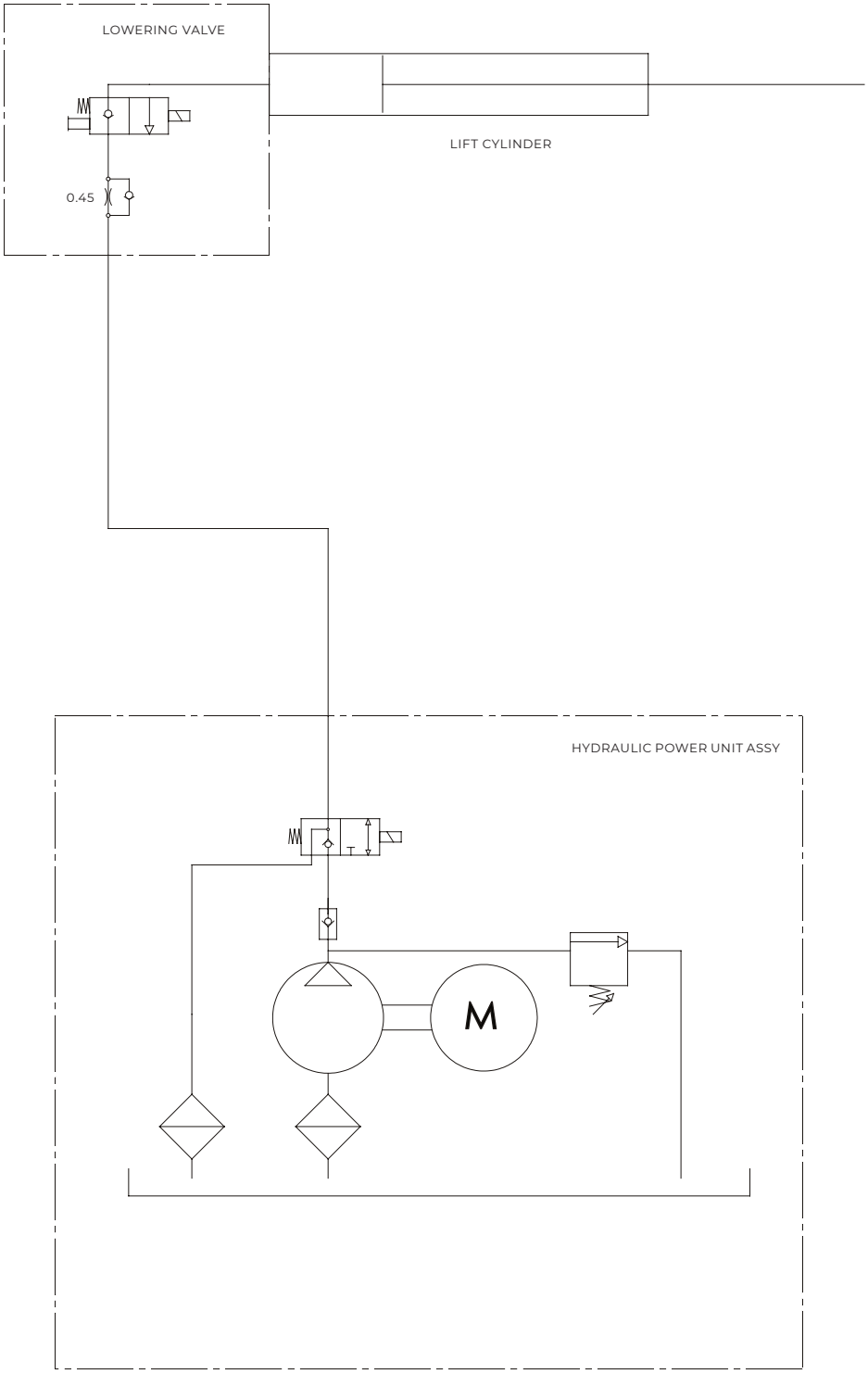


PUSH 6 CYLINDER



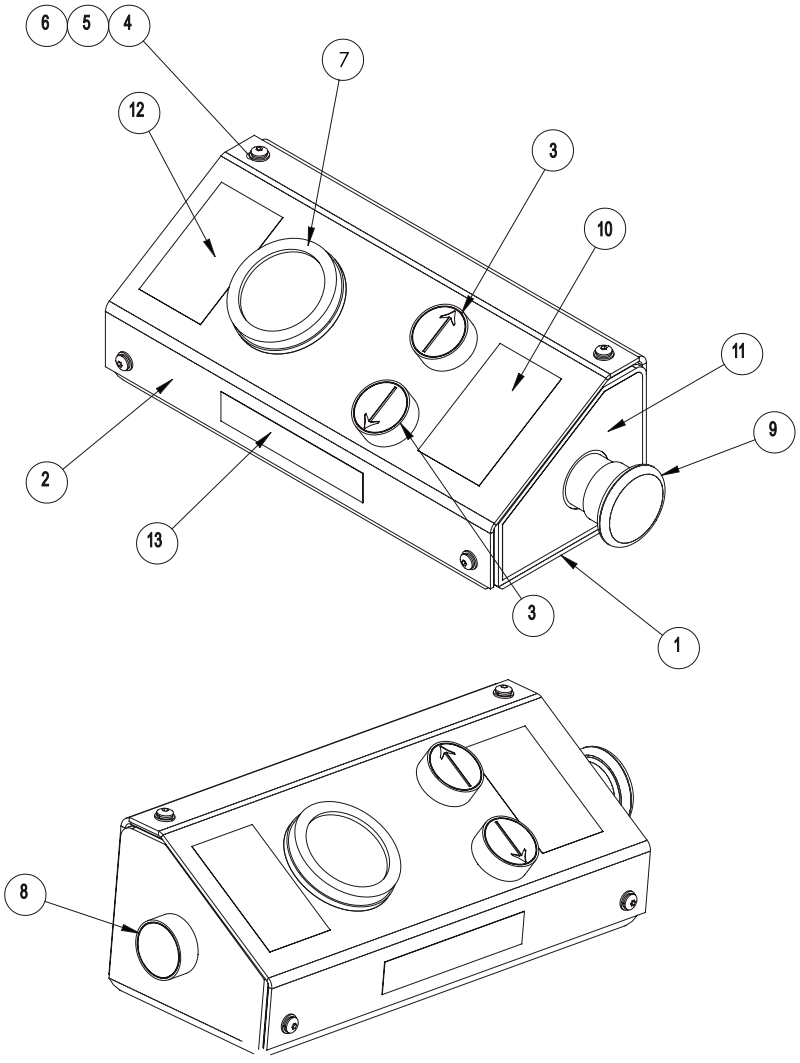
HYDRAULIC SCHEMATIC

HYDRAULIC SCHEMATIC



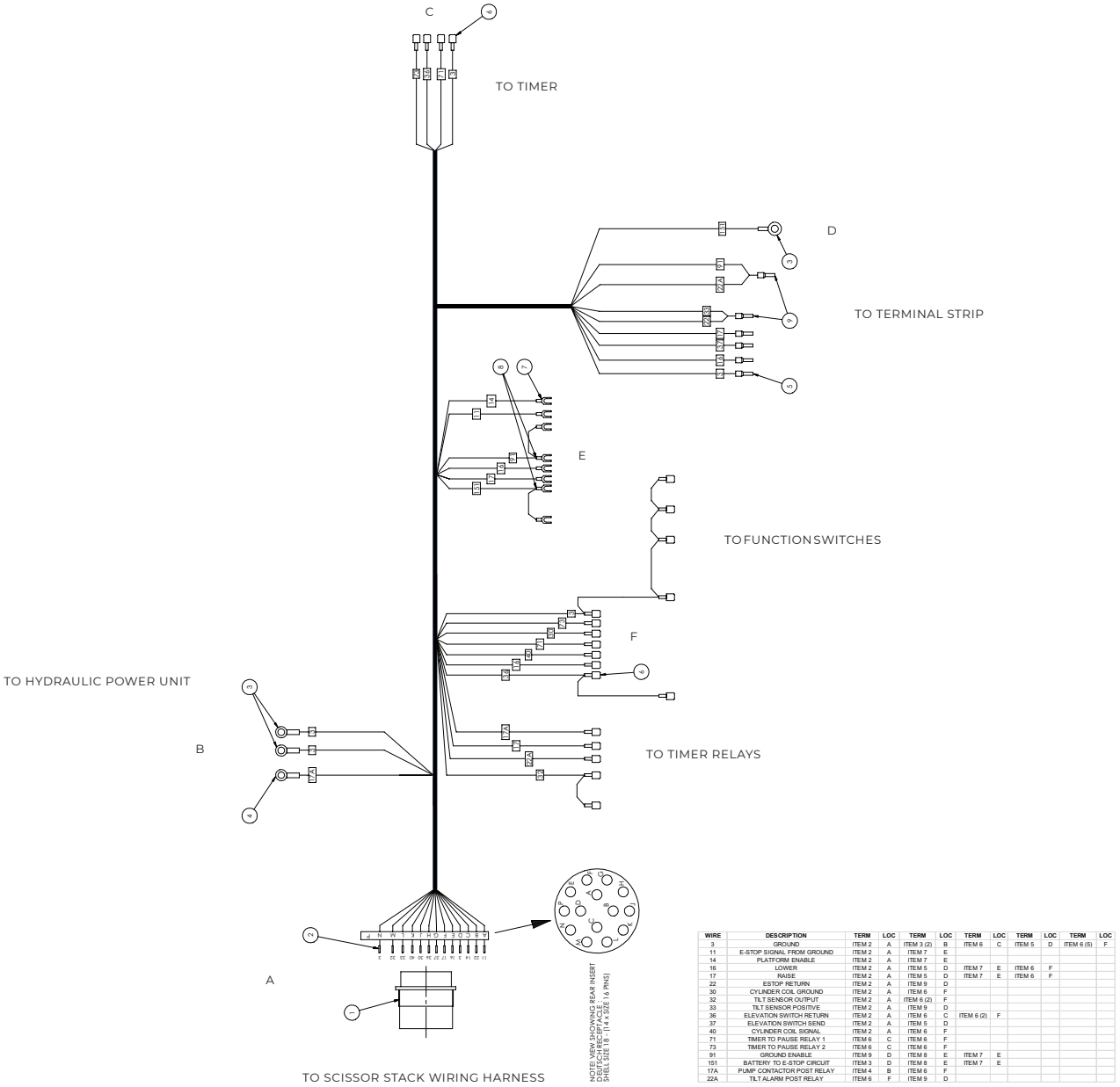
UPPER CONTROL BOX

ITEM	PART NO.	QTY.	DESCRIPTION
1	0120821	1	CONTROL PANEL BOX
2	0120822	1	CONTROL PANEL FACE
3	0120803	2	RAISE PUSH BUTTON
4	5569887	4	M4 FLAT WASHER DIN 125
5	5563245	4	WASHER LOCK M4 DIN 127
6	5563270	4	SBHCS M4 X 0.7 X 12 GR10.9 BLK FINISH
7	487966	1	BATTERY GAUGE
8	510542-000	1	ENABEL PUSH BUTTON
9	3028810	1	EMERGENCY STOP BUTTON
10	0120854	1	DECAL PLATFORM UP/DOWN
11	0120855	1	DECAL EMERGENCY STOP
12	0120856	1	DECAL BATTERY CHARGE INDICATOR
13	7030027	1	DECAL ENSURE BRAKES ARE LOCKED



TRAY WIRING HARNESS

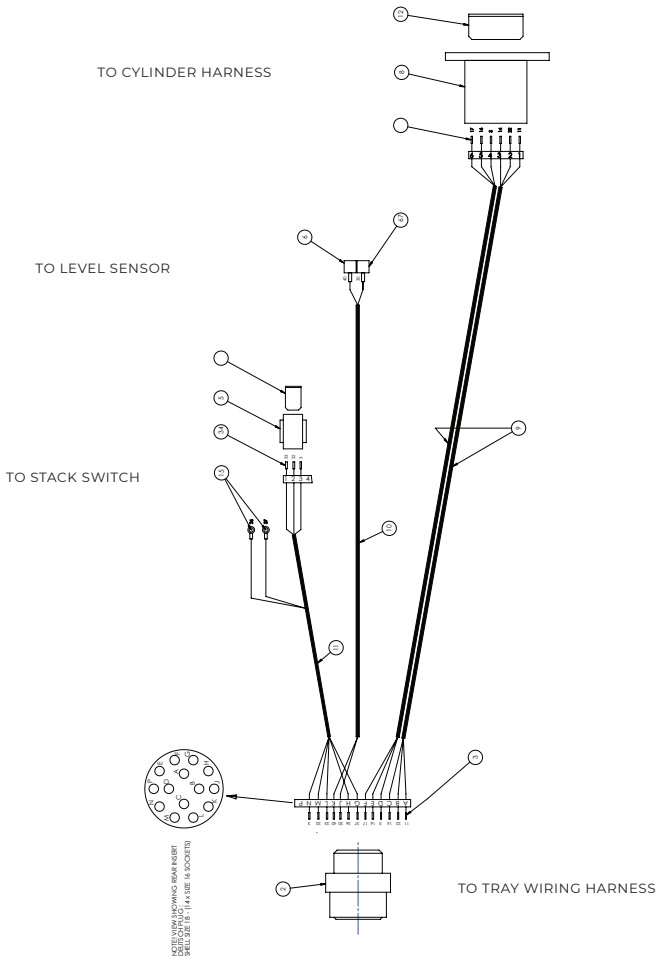
ITEM	PART NO.	QTY.	DESCRIPTION
1	513245-000	1	CONN 14 RECEP DEUTSCH
2	509539-000	13	PIN - 16 DCH
3	3049947	3	TERMINAL 313I 22/18
4	3044146	1	TERMINAL R10I 22/18
5	513090-000	4	TERMINAL FEM188I 22/18
6	510130-000	21	SPADE TERMINAL - RED
7	510174-000	6	FORK TERMINAL - RED
8	513088-000	2	FORK TERMINAL - BLUE
9	513067-000	2	BOOTLACE FERRULE - GREY



WIRE	DESCRIPTION	TERM	LOC	TERM	LOC	TERM	LOC	TERM	LOC	TERM	LOC
3	GROUND	ITEM 2	A	ITEM 3 (2)	B	ITEM 6	C	ITEM 5	D	ITEM 6 (5)	F
11	E-STOP SIGNAL FROM GROUND	ITEM 2	A	ITEM 7	E						
14	PLATFORM ENABLE	ITEM 2	A	ITEM 7	E						
16	LOWER	ITEM 2	A	ITEM 5	D	ITEM 7	E	ITEM 6	F		
17	RAISE	ITEM 2	A	ITEM 5	D	ITEM 7	E	ITEM 6	F		
22	ESTOP RETURN	ITEM 2	A	ITEM 9	D						
30	CYLINDER COIL GROUND	ITEM 2	A	ITEM 6	F						
32	TILT SENSOR OUTPUT	ITEM 2	A	ITEM 6 (2)	F						
33	TILT SENSOR POSITIVE	ITEM 2	A	ITEM 9	D						
36	ELEVATION SWITCH RETURN	ITEM 2	A	ITEM 6	C	ITEM 6 (2)	F				
37	ELEVATION SWITCH SEND	ITEM 2	A	ITEM 5	D						
40	CYLINDER COIL SIGNAL	ITEM 2	A	ITEM 6	F						
71	TIMER TO PAUSE RELAY 1	ITEM 6	C	ITEM 6	F						
73	TIMER TO PAUSE RELAY 2	ITEM 6	C	ITEM 6	F						
91	GROUND ENABLE	ITEM 9	D	ITEM 8	E	ITEM 7	E				
151	BATTERY TO E-STOP CIRCUIT	ITEM 3	D	ITEM 8	E	ITEM 7	E				
17A	PUMP CONTACTOR POST RELAY	ITEM 4	B	ITEM 6	F						
22A	TILT ALARM POST RELAY	ITEM 6	F	ITEM 9	D						

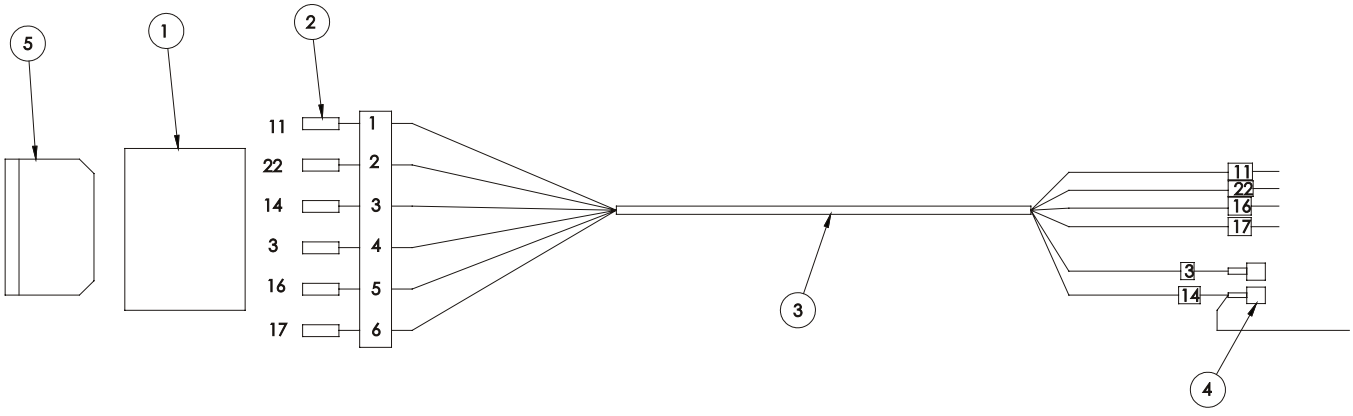
SCISSOR STACK WIRING HARNESS

ITEM	PART NO.	QTY.	DESCRIPTION
1			
2	513244-000	1	CONN 14 PIN DEUTSCH PLUG
3	509540-000	16	SOCKET CONTACT -16 DEUTSCH
4	3049890	2	LOCK WEDGE 4 PIN
5	3049888	2	PLUG 4 PIN DEUTSCH
6	3040047	2	TERMINAL FEM250 22/18
7	509539-000	6	PIN -16 DCH
8	3220152	1	RECEPTACLE DEUTSCH
9		200 IN	CABLE 3 COND 18 GA
10	3011820	85 IN	CABLE 2 COND 18 GA
11		40 IN	CABLE 5 COND 18 GA
12	3049886	1	LOCK WEDGE 6 PIN
13			
14			
15	510143-000	2	M4 RING TERMINAL

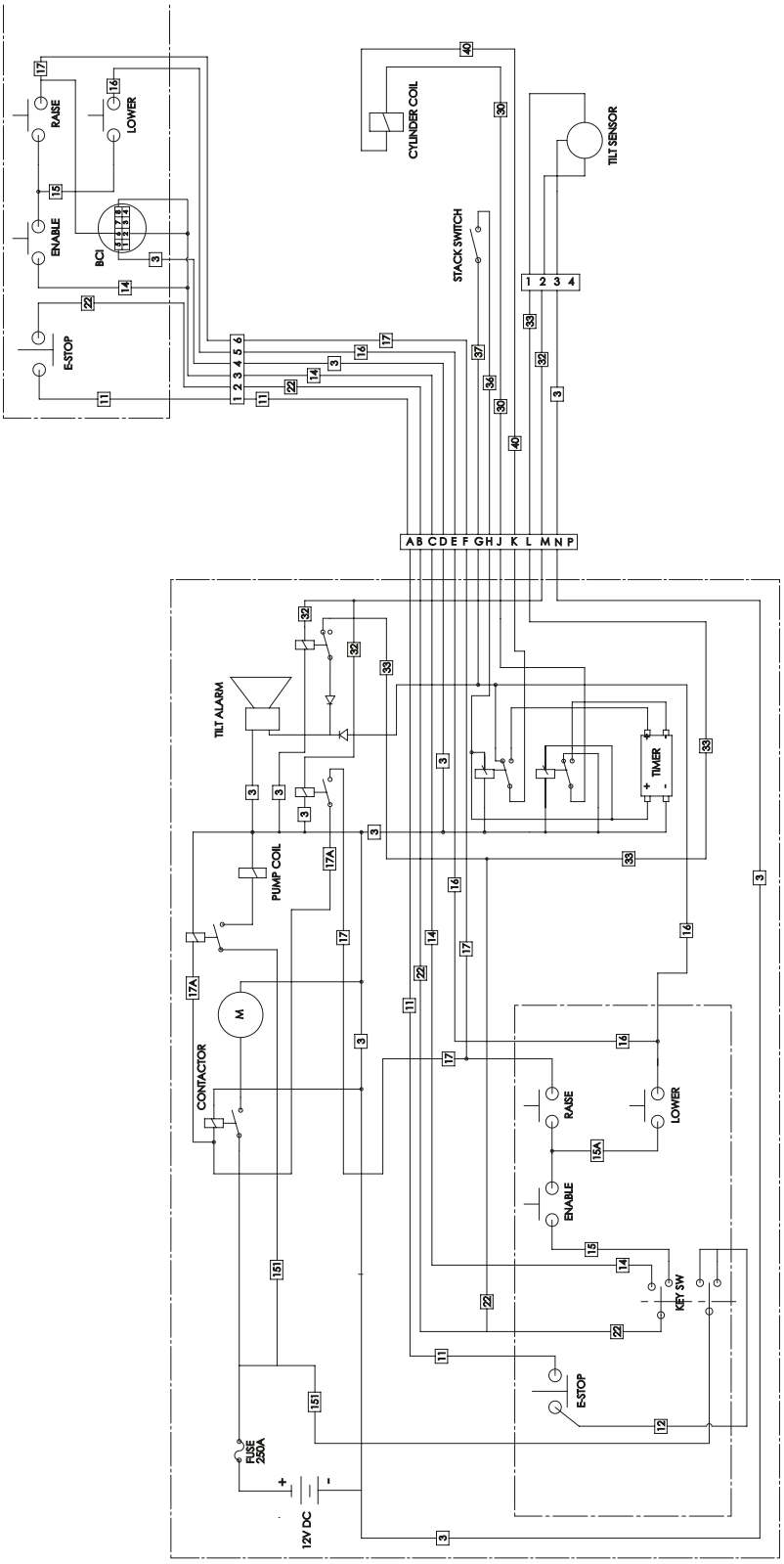


UPPER CONTROL BOX WIRING HARNESS

ITEM	PART NO.	QTY.	DESCRIPTION
1	3220153	1	PLUG 6 PIN DEUTSCH
2	3049895	6	SOCKET CONTACT -20 DEUTSCH
3		63 IN	CABLE 6 COND 20 GA
4	3040047	2	TERMINAL FEM250 22/18
5	3049860	1	LOCK WEDGE 6 PIN



ELECTRICAL SCHEMATIC



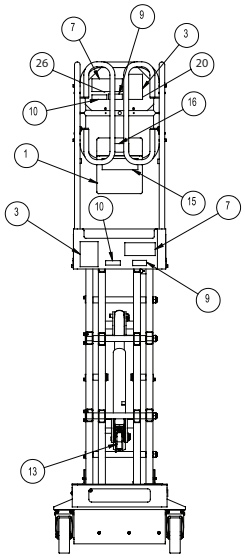
REV H

PLACECARDS & DECALS

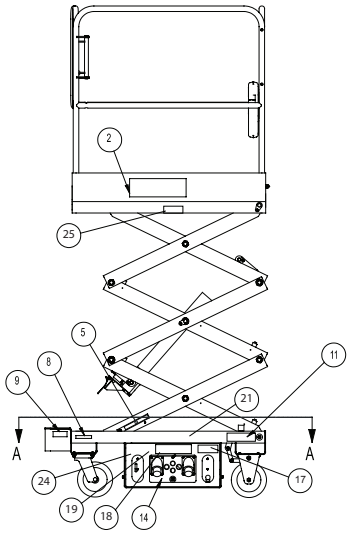
ITEM	PART NO.	QTY.	DESCRIPTION
1	0120843	1	COMPARTMENT LITERATURE
2	513047-000	2	DECAL POPUP
3			
4	7030026	4	DECAL FORKLIFT POINT
5	7030018	1	DECAL MAINTENANCE PROP
6	7030016	6	DECAL MAXIMUM WHEEL LOAD
7	7030034	1	DECAL SAFE WORKING LOAD
8	7030027	2	DECAL ENSURE BRAKES ARE LOCKED
9	7030017	4	DECAL INDOOR USE ONLY
10	7030019	2	DECAL FULLY READ OPERATORS MANUAL
11	513286-000 512320-000 0120762	2 2 2	DECAL PUSH 6 PRO (ECO 512487-000) DECAL PUSH 8 PRO (ECO 512488-000) DECAL PUSH 10 PRO
12	7030022	1	DECAL MAXIMUM CHASSIS INCLINATION
13	510280-001	1	DECAL EMERGENCY BLEED DOWN
14	512257-000	1	DECAL LOWER CONTROLS
15	010076-901	1	DECAL OPERATING INFORMATION INSIDE
16			
17	512468-000	1	DECAL DO NOT JETWASH
18	120855	1	DECAL EMERGENCY STOP
19	120856	1	DECAL BATTERY CHARGE INFORMATION
20	128854	1	DECAL CONTROL PUSH PRO
21	066556-900	2	DECAL DANGER ABOVE
22	068635-001	1	DECAL HARNESS HARD POINT
23			
24	510869-000	1	DECAL CE LOGO
25	512255-000	1	DECAL CHARGING NOTICE
26	512256-000	1	DECAL ENABLE NOTICE

PLACECARDS & DECALS

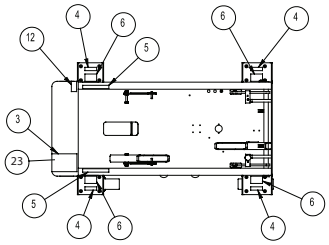
REAR

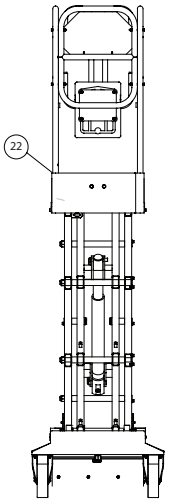


RIGHT SIDE

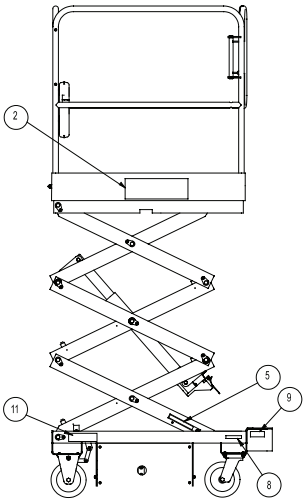


SECTIONA-A
TOP VIEW OF CHASSIS





FRONT



LEFT SIDE