



MODEL 50/32-F-CF Flush Mount

SPARE PARTS MANUAL



World Headquarters:

ROTARY LIFT
A DOVER INDUSTRIES COMPANY
2700 Lanier Drive
Madison, IN 47250-1753 USA
Phone toll-free: 1-800-445-5438
Phone: (812) 273-1622
Fax toll-free: 1-800-822-6502
Fax: (812) 273-6502
E-mail: userlink@rotarylif.com
Web site: www.rotarylif.com

For Canada:

DOVER CORP. (CANADA) LTD.
ROTARY LIFT DIVISION
130 Bridgeland Avenue Unit 210
Toronto, Ontario M6A 1Z4
Phone: (416) 256-4100
Fax: (416) 256-3924

For United Kingdom & Republic of Ireland:

ROTARY LIFT (UK) LIMITED
Madison House
2 Park Road
Dartford, Kent
DA1 1SL
Phone: +44 (0) 1322 223323
Fax: +44 (0) 1322 222454

For Europe:

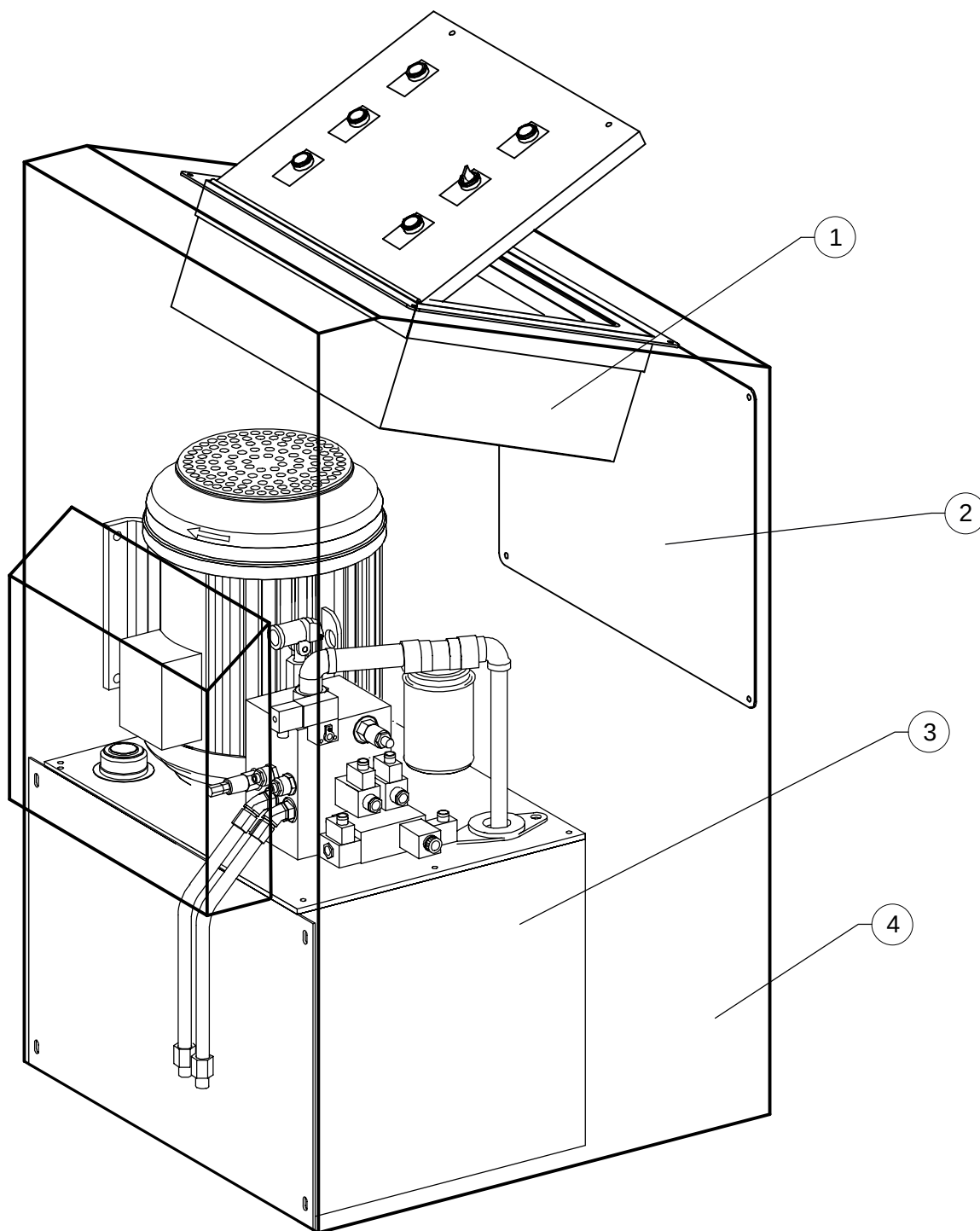
ROTARY LIFT EUROPE
Berlinger Ring 163 B
D-64625 Bensheim
Phone: +49 (0) 6251 787037
Fax: +49 (0) 6251 787038



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CONTROL PANEL GENERAL ASSEMBLY

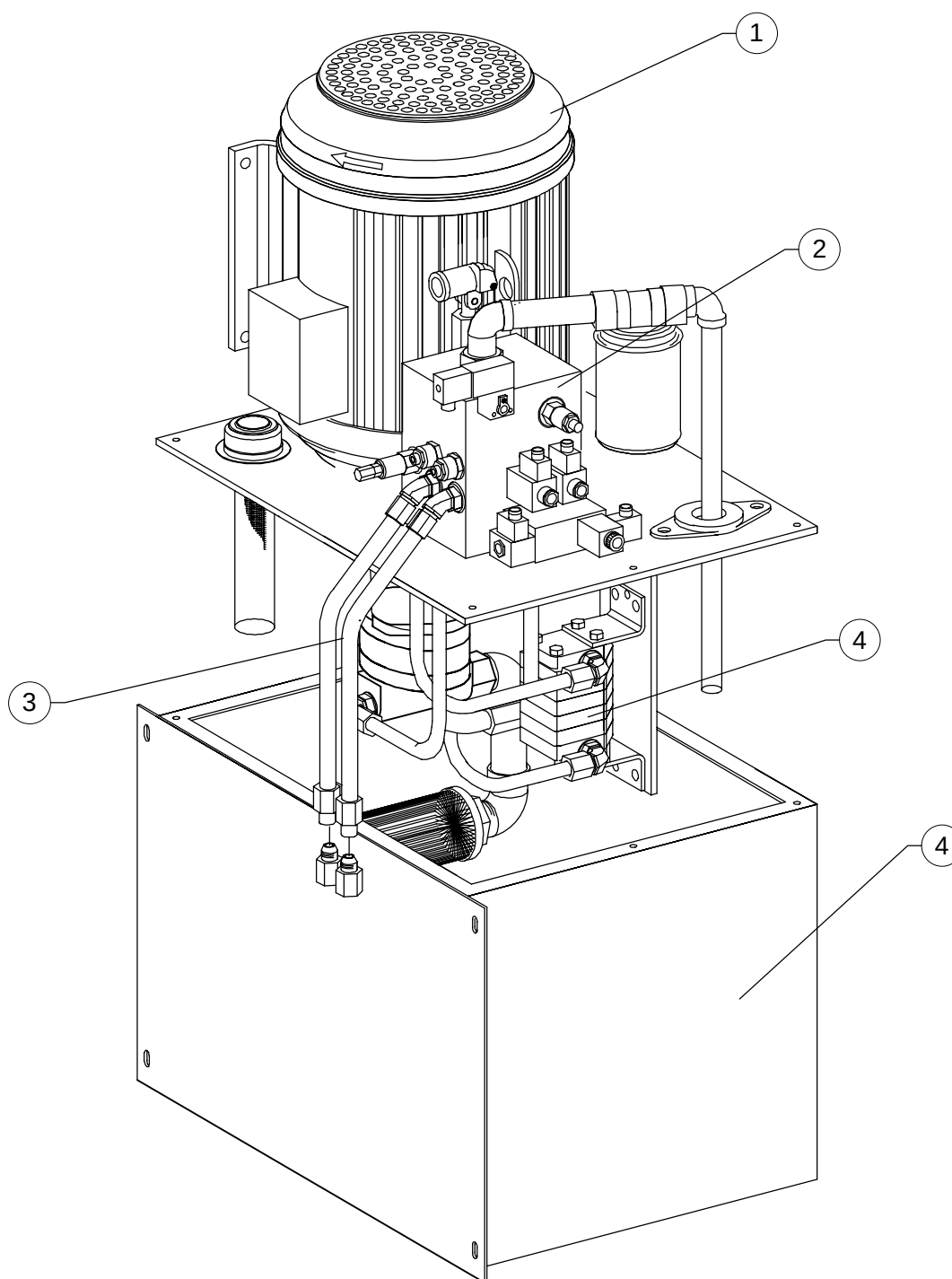


1. UPPER ELECTRICAL ASSEMBLY
2. LOWER CONTROL PANEL COVER

3. POWER UNIT
4. CONTROL PANEL SHELL P/N 601-25-0055

PM-0211.VLM

POWER UNIT GENERAL ASSEMBLY



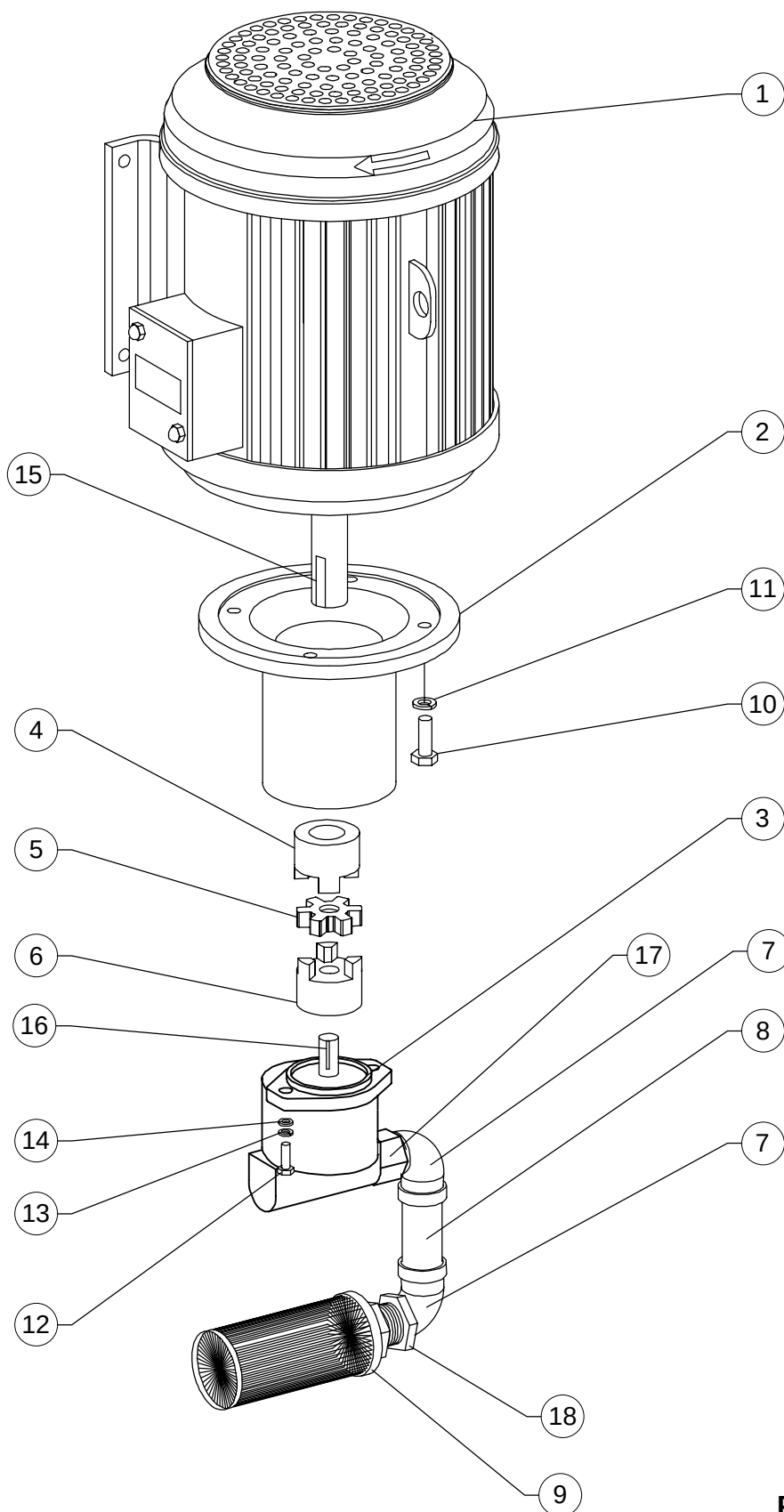
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2. MANIFOLD ASSEMBLY-SEE TABLE 2
3. HYDRAULIC TUBING AND HOSE ASSEMBLY-SEE TABLE 3
4. TANK AND FLOW DIVIDER ASSEMBLY-SEE TABLE 4

PM-0212.VLM

TABLE NO. 1
MOTOR/PUMP ASSEMBLY

ITEM NO.	QTY	UM	P/N	DESCRIPTION
1	1	ea	AP00991	20 HP 3PH-60Hz-200V/400 1800 RPM MOTOR
1	1	ea	AP00204	20 HP 3PH-60Hz-230/460V 1800 RPM MOTOR
2	1	ea	AP00220	BELL HOUSING
3	1	ea	AP00764	GEAR PUMP 12.6 GPA
4	1	ea	AP00228	MOTOR COUPLING
5	1	ea	AP00067	COUPLING SOX
6	1	ea	AP00227	PUMP COUPLING
7	2	ea	AP00301	3/4" BLACK STREET 90
8	1	ea	AP00050	BLACK NIPPLE 3/4" x 3"
9	1	ea	AP00698	SUCTION STRAINER
10	4	ea	AP00020	SCREW SHCS, 1/2"-13x1-1/2" GR.5
11	4	ea	AP00018	LOCKWASHER 1/2"
12	2	ea	AP00032	BOLT HHCS GR.5, 3/8"-16x1"
13	2	ea	AP00030	LOCKWASHER 3/8"
14	2	ea	AP00029	FLATWASHER 3/8"
15	1	ea	AP00353	MOTOR DRIVE KEY
16	1	ea	AP00354	PUMP DRIVE KEY
17	4	ea	AP00151	STRAIGHT THREAD ADAPTOR 20-3/4-F50G-S
18	1	ea	AP00819	BUSHING-1-3/4" BLACK NPT

MOTOR/PUMP ASSEMBLY-SEE TABLE 1

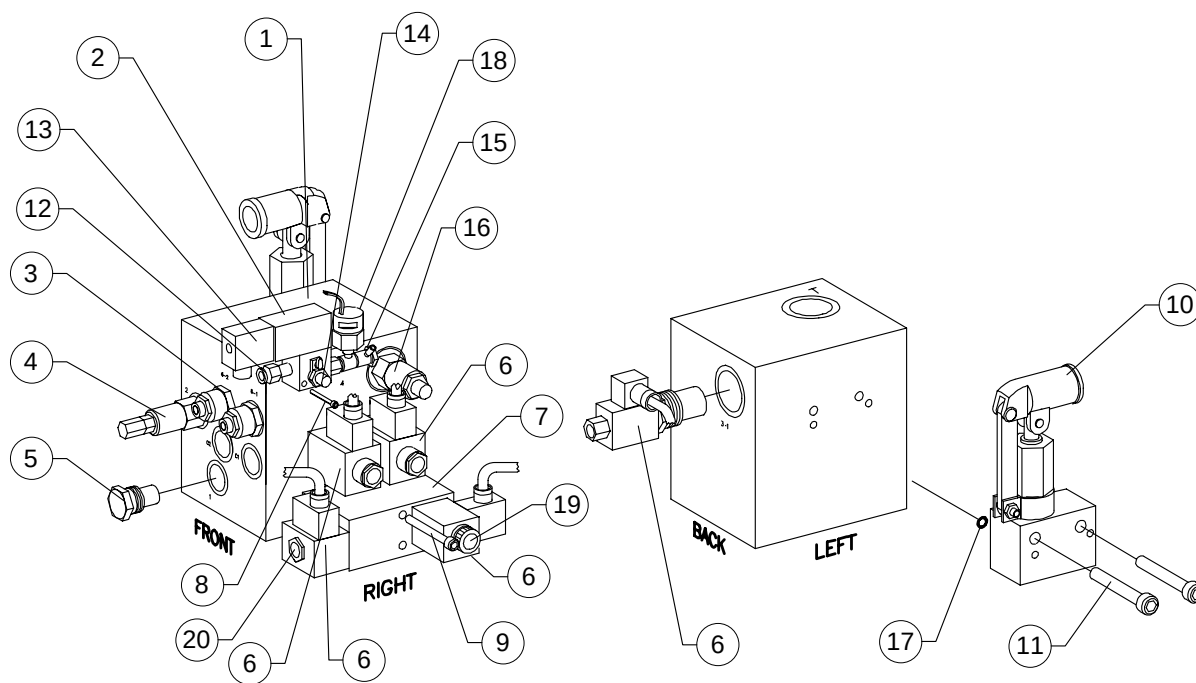


PM-0213.VLM

TABLE NO. 2
MANIFOLD ASSEMBLY

ITEM NO.	QTY	UM	P/N	DESCRIPTION
1	1	ea	AP00798	MANIFOLD REVISION 1
2	1	ea	AP00122	AIR VALVE
3	2	ea	AP00129	NEEDLE VALVE
4	1	ea	AP00803	RELIEF VALVE
5	1	ea	AP00654	CHECK VALVE
6	5	ea	AP01293	SOLENOID VALVE
7	1	ea	AP01236	MANIFOLD - PROPORTIONAL VALVE
8	2	ea	AP01224	SCREW SHCS GR.8 10-24 x 1-1/2"
9	4	ea	AP01312	SCREW SHCS GR.8 10-24 x 2-1/2"
10	1	ea	AP00172	HAND PUMP
11	2	ea	AP00042	SCREW SHCS 5/16"-18 x 2"
12	1	ea	AP00433	MALE AIR CONNECTOR
13	1	ea	AP01302	CONNECTOR - AIR VALVE ELECTRICAL
14	1	ea	AP00167	MUFFLER
15	1	ea	AP01311	AIR MANIFOLD ASSEMBLY
16	1	ea	AP00355	PRESSURE COMPENSATED FLOW CONTROL
17	1	ea	AP00615	O-RING 1/4" I.D. x 7/16" O.D. x 0.10 SECTION
18	1	ea	AP01239	SWITCH - AIR VALVE
19	1	ea	AP01233	CARTRIDGE - PROPORTIONAL VALVE
20	1	ea	AP01235	VALVE - 3-WAY

MANIFOLD ASSEMBLY-SEE TABLE 2

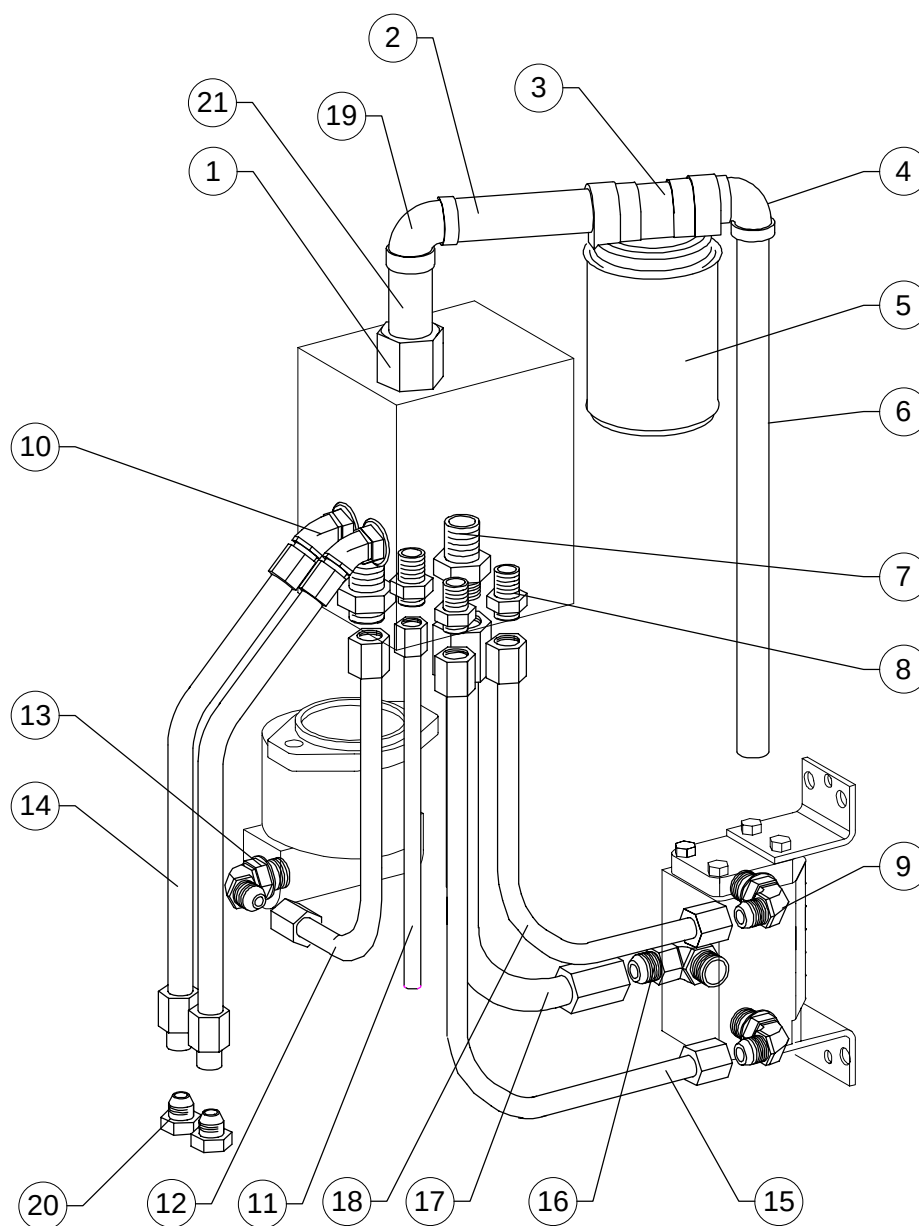


PM-0214.VLM

TABLE NO. 3
HYDRAULIC TUBING AND HOSE ASSEMBLY

ITEM NO.	QTY	UM	P/N	DESCRIPTION
1	1	ea	AP00151	STRAIGHT THREAD ADAPTOR, 12-3/4 F50G-S
2	1	ea	AP00713	BLACK NIPPLE 3/4" x 7"
3	1	ea	AP00152	RETURN FILTER INLET W/ FILTER ELEMENT
4	1	ea	AP00301	BLACK STREET 90 3/4"
5	1	ea	AP00341	FILTER REPLACEMENT ELEMENT
6	1	ea	AP00710	BLACK NIPPLE 3/4"X25"
7	2	ea	AP00113	STRAIGHT THREAD CONNECTOR, 10F50X-S
8	3	ea	AP00155	STRAIGHT THREAD CONNECTOR, 8F50X-S
9	2	ea	AP00154	STRAIGHT THREAD ELBOW 90°, 8C50X-S
10	2	ea	AP00676	STRAIGHT THREAD ELBOW 45°, 8V50X-S
11	1	ea	AP00839	STAINLESS STEEL TUBE ASSEMBLY SST25, T1 TO TANK
12	1	ea	AP00840	STAINLESS STEEL TUBE ASSEMBLY SST26, P1 TO H62AA2A
13	1	ea	AP00115	STRAIGHT THREAD ELBOW 90°, 10-12C50X-S
14	2	ea	AP00836	STAINLESS STEEL TUBE ASSEMBLY SST22, C1 & C2
15	1	ea	AP00838	STAINLESS STEEL TUBE ASSEMBLY SST21, FD TO FD2
16	1	ea	AP00688	STRAIGHT THREAD ELBOW 90°, 10C50X-S
17	1	ea	AP00837	STAINLESS STEEL TUBE ASSEMBLY SST23, FD TO FD1
18	1	ea	AP00835	STAINLESS STEEL TUBE ASSEMBLY SST24, FD TO FD3
19	1	ea	AP00717	BLACK ELBOW 90° x 3/4"
20	2	ea	AP00158	PLUG, 8-PNTX-S
21	1	ea	AP00050	NIPPLE - BLACK 3/4" x 3"

HYDRAULIC TUBING ASSEMBLIES-SEE TABLE 3

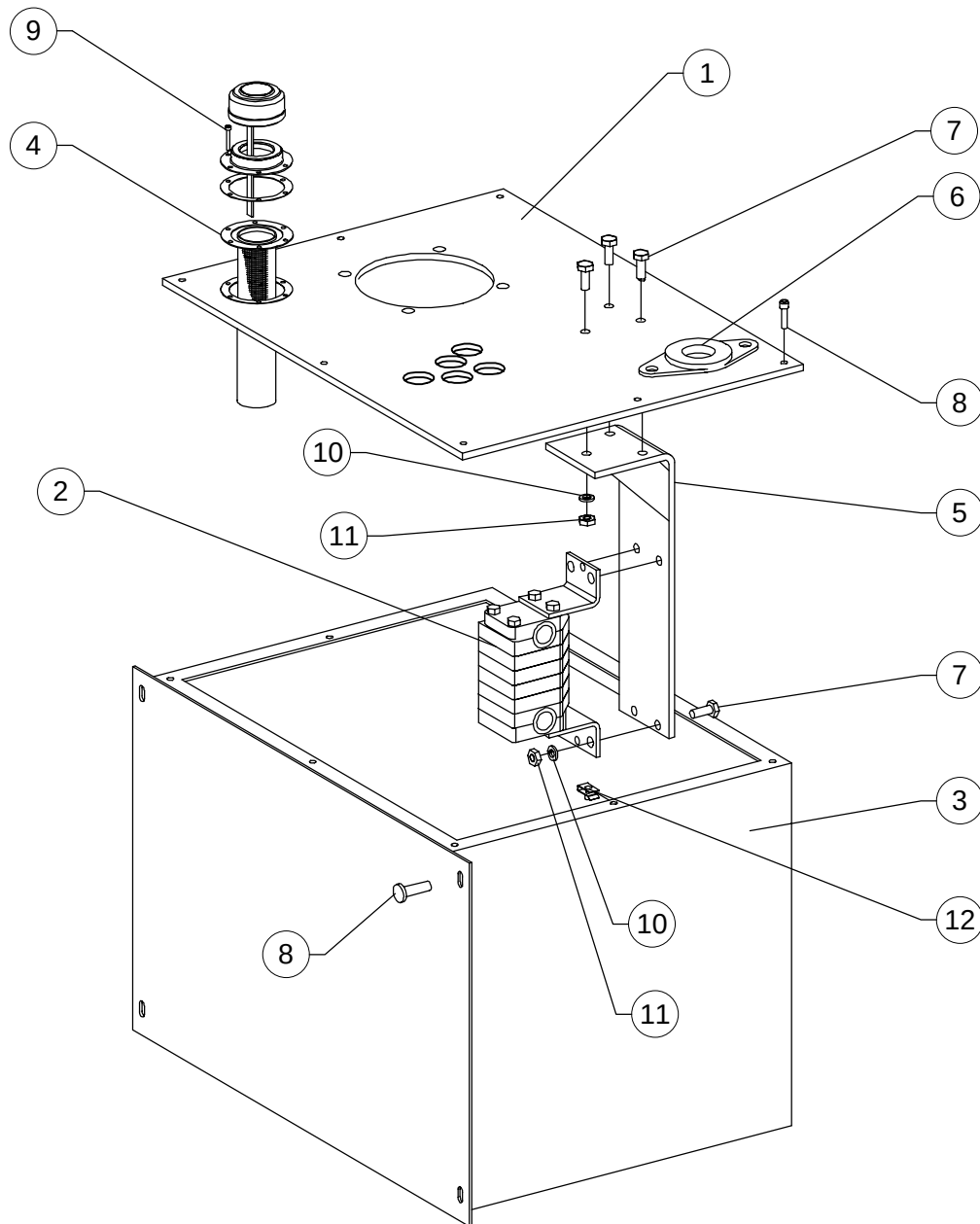


PM-0215.VLM

TABLE NO. 4
TANK/FLOW DIVIDER ASSEMBLY

ITEM NO.	QTY	UM	P/N	DESCRIPTION
1	1	ea	AP00964	MOTOR MOUNTING PLATE, REV. 1 MANIFOLD
2	1	ea	AP00219	FLOW DIVIDER
3	1	ea	AP00344	HYDRAULIC RESERVOIR
4	1	ea	AP00162	FILLER BREATHER ASSEMBLY
5	1	ea	AP00989	FLOW DIVIDER MOUNTING BRACKET, REV. 1 MANIFOLD
6	1	ea	AP00804	RETURN LINE FLANGE
7	7	ea	AP00032	BOLT, HHCS, 3/8"-16 x 1", GRADE 5, PLATED
8	12	ea	AP00234	SCREW, BHCS, BLACK, 1/4"-20X3/4"
9	6	ea	AP00027	SCREW SHCS 10-24X3/4"
10	7	ea	AP00030	LOCKWASHER, SPLIT, 3/8"
11	7	ea	AP00031	NUT, 3/8"-16, GRADE 5, PLATED
12	8	ea	AP00345	J" NUT 1/4x20

TANK/FLOW DIVIDER ASSEMBLY-SEE TABLE 4

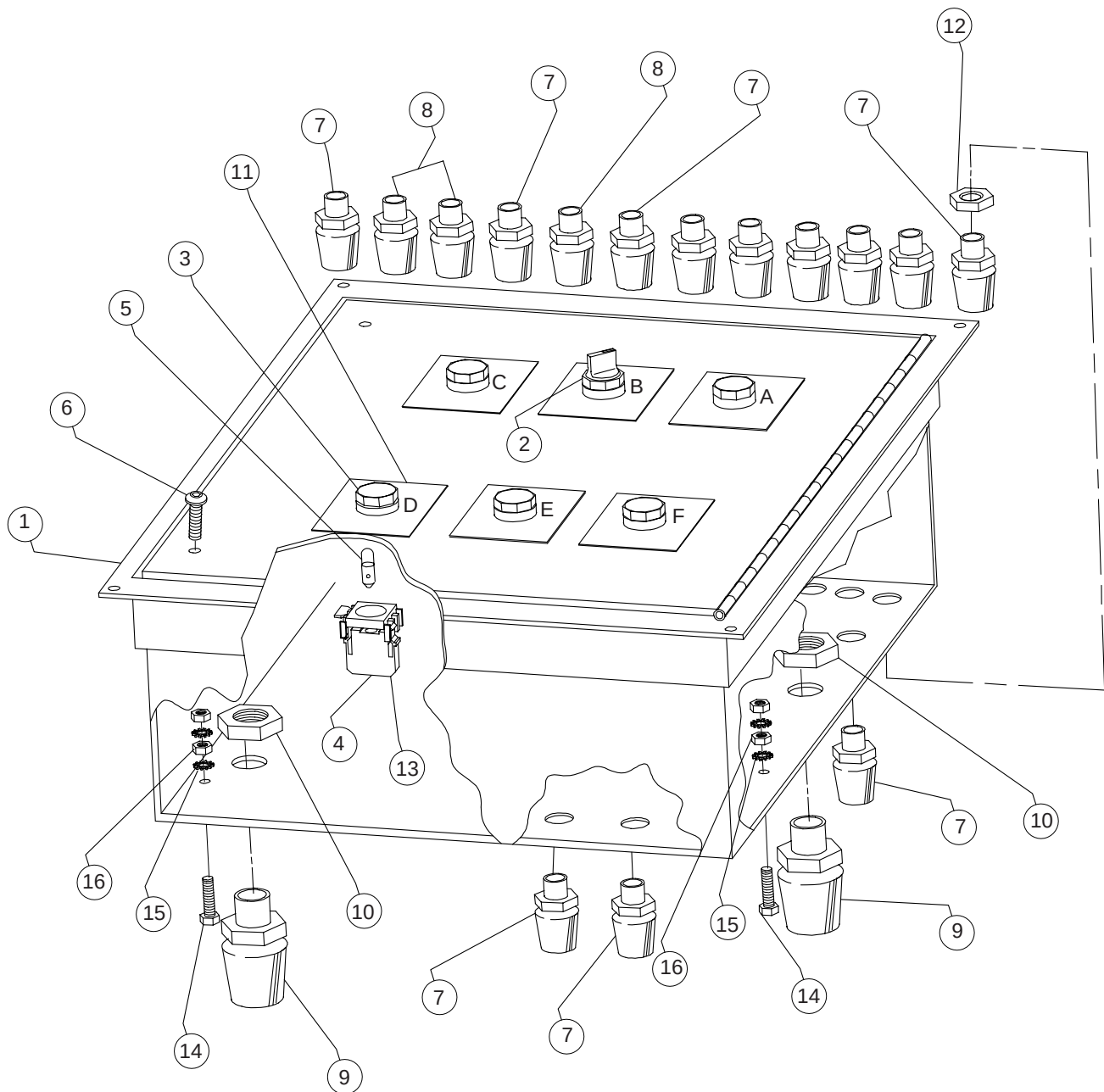


PM-0216.VLM

TABLE NO. 5
UPPER ELECTRICAL ENCLOSURE

ITEM NO.	QTY	UM	P/N	DESCRIPTION
1	1	ea	AP01287	UPPER ELECTRICAL ENCLOSURE
2	1	ea	AP00605	POWER SWITCH ON/OFF
3A	1	ea	AP00100	GREEN INDICATOR LIGHT - E22H3
3C	1	ea	AP00099	RED INDICATOR LIGHT - E22H2
3D	1	ea	AP00107	RED PUSH-BUTTON - E22PB2
3E	1	ea	AP00101	YELLOW ILLUMINATING PUSH-BUTTON - E22NB4
3F	1	ea	AP00108	GREEN PUSH-BUTTON - E22PB3
4A	1	ea	AP00098	PILOT LIGHT MODULE 24 VDC WITH BULB
4C	1	ea	AP00098	PILOT LIGHT MODULE 24 VDC WITH BULB
4D	1	ea	AP00098	PILOT LIGHT MODULE 24 VDC WITH BULB
5	3	ea	AP00262	24V LIGHT BULB
6	6	ea	AP00023	SCREW BHCS 1/4"-20 X 3/4"STAINLESS STEEL
7	12	ea	AP00182	CABLE GRIP 3/8" .375-.437 CABLE DIAMETER
8	3	ea	AP00181	CABLE GRIP 3/8" .250-.312 CABLE DIAMETER
9	2	ea	AP00183	CABLE GRIP 1" .750-1.0 CABLE DIAMETER
10	2	ea	AP00187	LOCKNUT 1"
11A	1	ea	AP00104	LEGEND PLATE "POWER ON"
11B	1	ea	AP01237	LEGEND PLATE "ON/OFF"
11C	1	ea	AP00103	LEGEND PLATE "OPERATOR LOCKOUT"
11D	1	ea	AP00102	LEGEND PLATE "LOWER"
11E	1	ea	AP00105	LEGEND PLATE "PRESS TO LOCK LIFT"
11F	1	ea	AP00106	LEGEND PLATE "RAISE"
12	15	ea	AP00188	LOCKNUT 3/8"
13C	1	ea	AP00097	CONTACT BLOCK NORMALLY OPEN
13D	1	ea	AP00097	CONTACT BLOCK NORMALLY OPEN
13E	1	ea	AP00097	CONTACT BLOCK NORMALLY OPEN
13F	1	ea	AP00097	CONTACT BLOCK NORMALLY OPEN
14	2	ea	AP00041	GROUND STUD, 5/16-16x 1"
15	4	ea	AP00039	WASHER, STAR 5/16"
16	4	ea	AP00040	NUT 5/16"-18

UPPER ELECTRICAL ENCLOSURE SEE TABLE 5

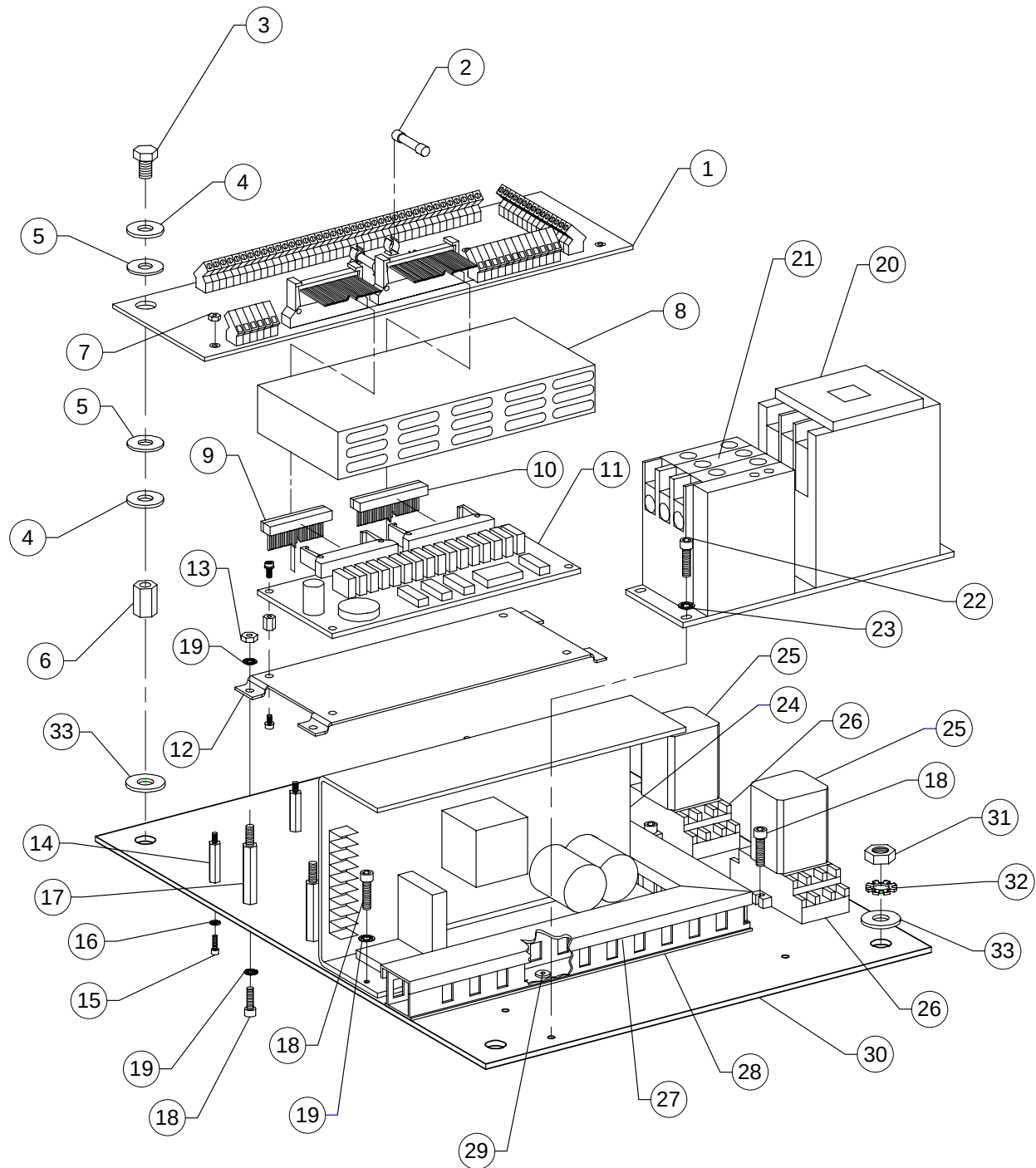


PM-0217.VLM

TABLE NO. 6
UPPER ELECTIRCAL ASSMEBLY

ITEM NO.	QTY	UM	P/N	DESCRIPTION
1	1	ea	AP01225	PRINTED CIRCUIT BOARD ASSEMBLY
2	2	ea	AP01268	FUSE, 3AG SLO-BLO
3	2	in	AP01285	BOLT, HH 5/16-18 x 5/8"
4	2	ea	AP00944	WASHER, FLAT 5/16" SAE, PLATED
5	2	ea	AP01283	WASHER, 5/16" FLAT, NYLON
6	2	ea	AP01284	STANDOFF, 5/16" x 3/8" x 3/4" FEMALE
7	4	ea	AP00364	NUT, NYLON 4-40
8	1	ea	AP01227	PLC PLASTIC COVER
9	1	ea	AP01363	RIBBON CABLE ASSEMBLY, 30 PIN
10	1	ea	AP01364	RIBBON CABLE ASSEMBLY, 34 PIN
11	1	ea	AP01226	PLC
12	1	ea	AP01228	PLC MOUNTING PLATE
13	4	ea	AP01308	NUT, 8-32 PLATED
14	4	ea	AP00034	STANDOFF, 1" x 4-40 MALE/FEMALE
15	4	ea	AP00037	SCREW, SHCS 4-40 x 3/8"
16	4	ea	AP00016	WASHER, INTERNAL TOOTH #4
17	4	ea	AP01307	STANDOFF, 8-32 x 1.5" MALE/FEMALE
18	10	ea	AP00297	SCREW, SHCS 8-32 x 1/2", GR5
19	10	ea	AP00017	WASHER, INTERNAL TOOTH #8
20	1	ea	AP01289	STARTER, 60 AMP, 115V COIL
21	1	ea	AP00112	HEATER PACK, 208V H12016B 40A-55A
21	1	ea	AP00112	HEATER PACK, 230V H12016B 40A-55A
21	1	ea	AP00248	HEATER PACK, 240V H20113B 19A-29A
22	3	ea	AP00027	SCREW, SHCS 10-24 x 3/4"
23	3	ea	AP00015	WASHER, INTERNAL TOOTH #10
24	1	ea	AP01219	POWER SUPPLY, +24VDC, 200 WATT
25	2	ea	AP00096	RELAY, PLUG-IN
26	2	ea	AP00095	RELAY SOCKET
27	1	in	AP00189	RACE WAY COVER, 1" x 20"
28	1	in	AP00191	RACE WAY, 1" x 1" x 20"
29	4	ea	AP00028	RIVET, POP 3/16" x 1/4"
30	1	ea	AP01288	UPPER ELECTRICAL MOUNTING PLATE
31	2	ea	AP00031	NUT, 3/8-16
32	2	ea	AP00943	WASHER, EXTERNAL TOOTH 3/8"
33	4	ea	AP00029	WASHER, 3/8" FLAT, PLATED

UPPER ELECTRICAL ASSEMBLY-SEE TABLE 6



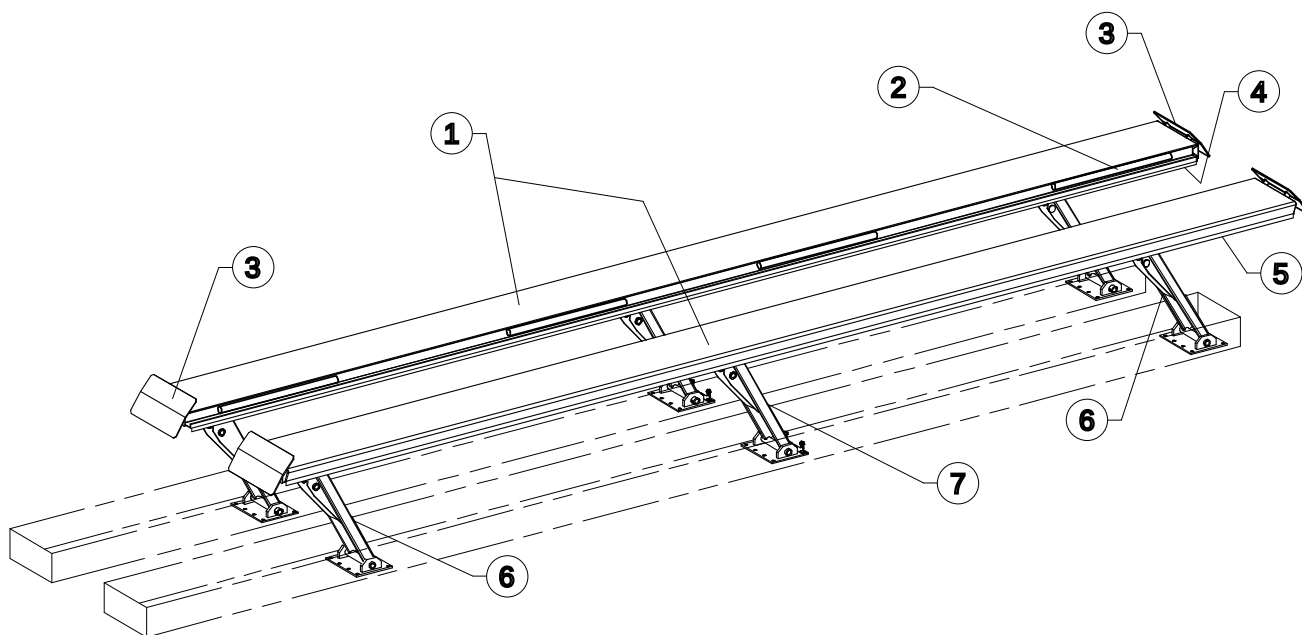
PM-0218.VLM

TABLE NO. 9

PLATFORM LIFT GENERAL ASSEMBLY

ITEM NO	QTY	UMP/N	DESCRIPTION	TABLE NO.
1	2	ea	LIFT PLATFORM MEMBERS, LEFT/RIGHT	10
2	8	ea	FLUORESCENT LIGHTING ASSEMBLY, OPTIONAL	11
3	2	ea	TRANSITION PLATE ASSEMBLY, STANDARD	10
4	2	ea	SAFETY SWITCH ASSEMBLY, OPTIONAL	11
5	2	ea	SAFETY SWITCH ASSEMBLY, STANDARD	11
6	2	ea	LEG/LOCK/CYL ASSEMBLY, NON-SERVICE LEG	12
7	2	ea	LEG/LOCK/CYL ASSEMBLY, SERVICE LEG	12

PLATFORM LIFT GENERAL ASSEMBLY-SEE TABLE 9

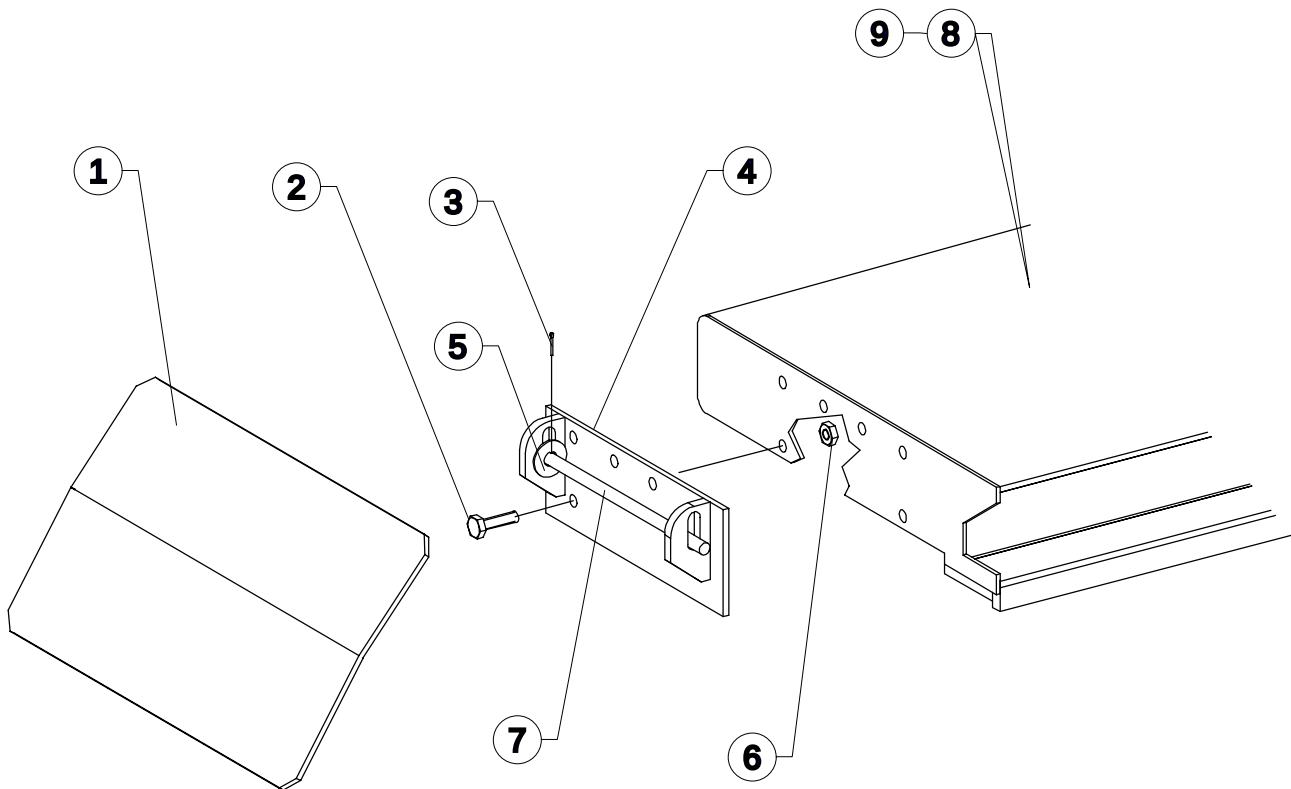


PM-0272.VLM

TABLE NO. 10
TRANSITION PLATE ASSEMBLY

ITEM NO.	QTY	UM	P/N	DESCRIPTION
1	1	ea	AP01317	TRANSITION PLATE
2	6	ea	AP00020	1/2" -13 X 1 1/2 HHCS BOLT
3	2	ea	AP00744	COTTER PIN 1/8 X 1 1/4"
4	1	ea	AP01318	TRANSITION PLATE MOUNTING BRACKET
5	2	ea	AP00777	FLAT WASHER 3/4"
6	6	ea	AP00019	1/2" - 13 NUT
7	1	ea	AP01319	TRANSITION PLATE MOUNTING BRACKET SHAFT
8	1	ea	AP01382	RIGHT PLATFORM MEMBER
9	1	ea	AP01383	LEFT PLATFORM MEMBER

TRANSITION PLATE ASSEMBLY-SEE TABLE 10

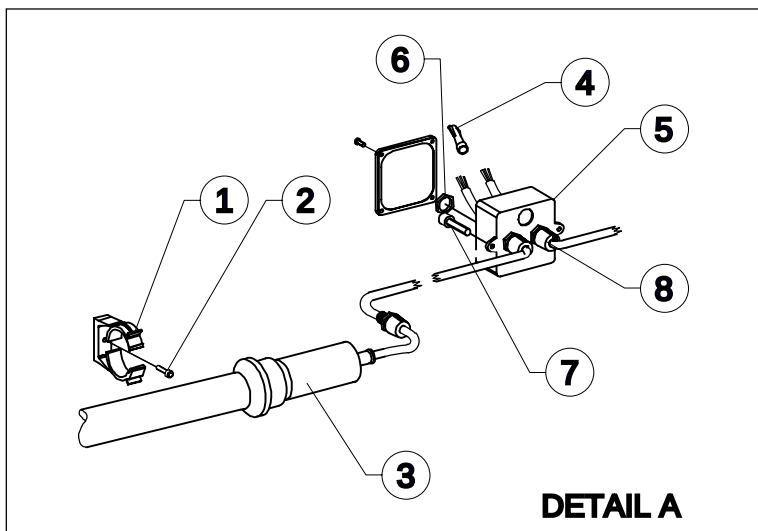
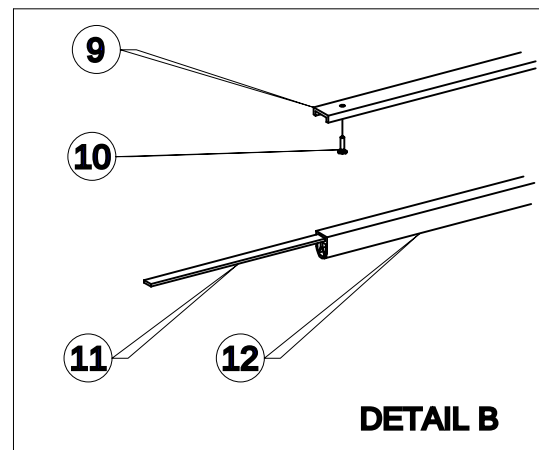
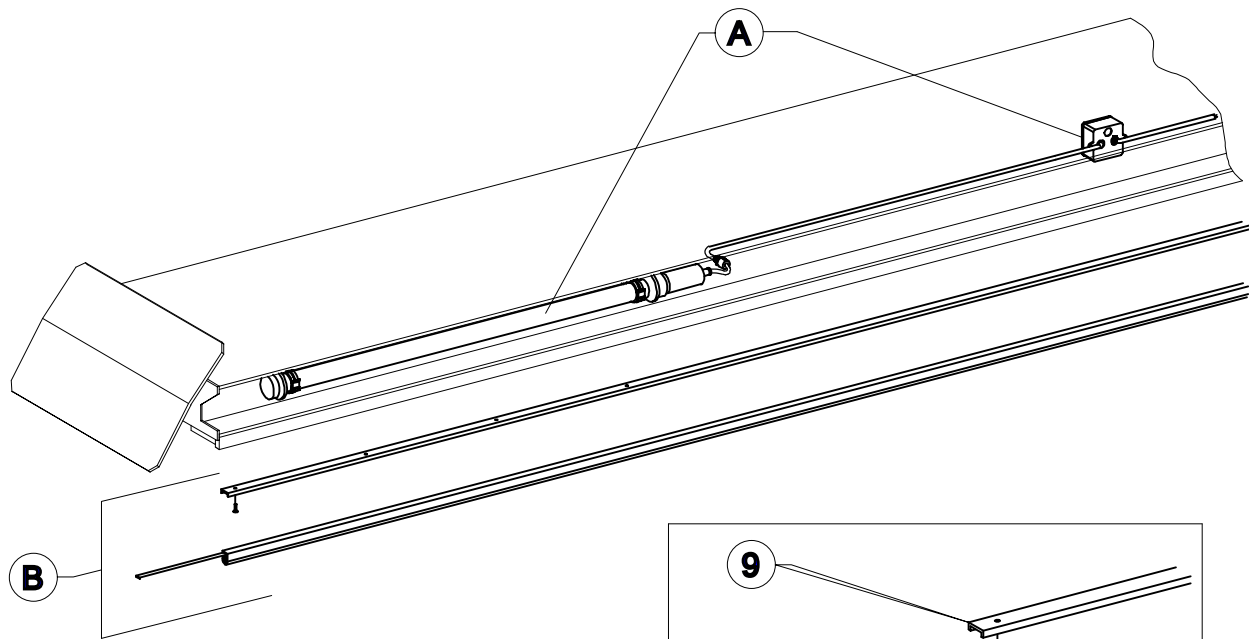


PM-0273.VLM

TABLE NO. 11
FLUORESCENT LIGHTING /
SAFETY SWITCH ASSEMBLIES

ITEM NO.	QTY	UM	P/N	DESCRIPTION
1	2	ea	AP00302	MOUNTING CLAMP
2	2	ea	AP00024	1/4 - 20 X 3/4 SHCS
3	1	ea	AP00294	WORKLIGHT
4	3	ea	AP00457	WIRENUT - RED
5	1	ea	AP00754	JUNCTION BOX 4X4X2
6	4	ea	AP00188	3/8" LOCKNUT
7	2	ea	AP00234	1/4 - 20 X 3/4 BHCS
8	2	ea	AP00182	CABLE GRIP 3/8"
9	1	ea	AP00293	MOUNTING CHANNEL
10	24	ea	AP00793	1/8" POP RIVET, STAINLESS
11	1	ea	AP00290	SAFETY SWITCH 48'
12	1	ea	AP00292	SAFETY SWITCH HOUSING

FLUORESCENT LIGHTING & SAFETY SWITCH ASSEMBLIES-SEE TABLE 11



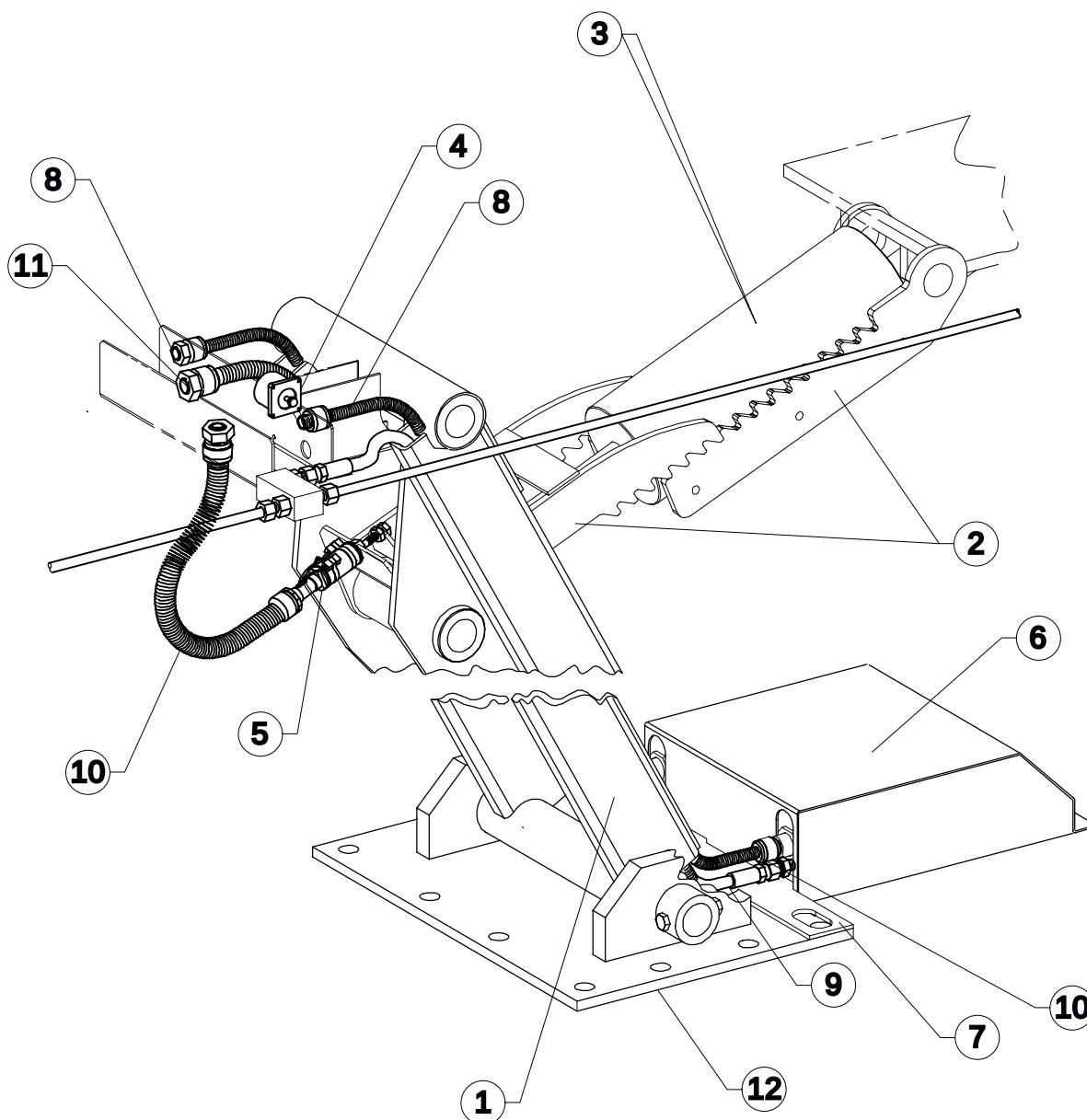
PM-0274.VLM

TABLE NO. 12

LIFTING LEG / LOCK / CYLINDER GENERAL ASSEMBLY

ITEM NO.	QTY	UM	P/N	DESCRIPTION	TABLE NO.
1	6	ea		LIFTING LEG ASSEMBLY	13
2	6	ea		MECHANICAL LOCK ASSEMBLY	15
3	6	ea		HYDRAULIC CYLINDER ASSEMBLY	16
4	2	ea		POSITION SENSOR ASSEMBLY	18
5	6	ea		PNEUMATIC CYLINDER ASSEMBLY	17
6	2	ea		SERVICE COVER ASSEMBLY	13
7	2	ea		SERVICE BRACKET	13
8	2	ea		SERVICE LEG CONDUIT & FITTING DETAIL	20
9	2	ea		SERVICE LEG HYDRAULIC DETAIL	19
10	2	ea		PNEUMATIC TUBING / FITTING DETAIL	21
11	2	ea		WIRING HARNESS DETAIL	22
12	2	ea		LOWER LEG BRACKET ASSEMBLY	14

LIFTING LEG/LOCK/CYLINDER GENERAL ASSEMBLY SEE TABLE 12

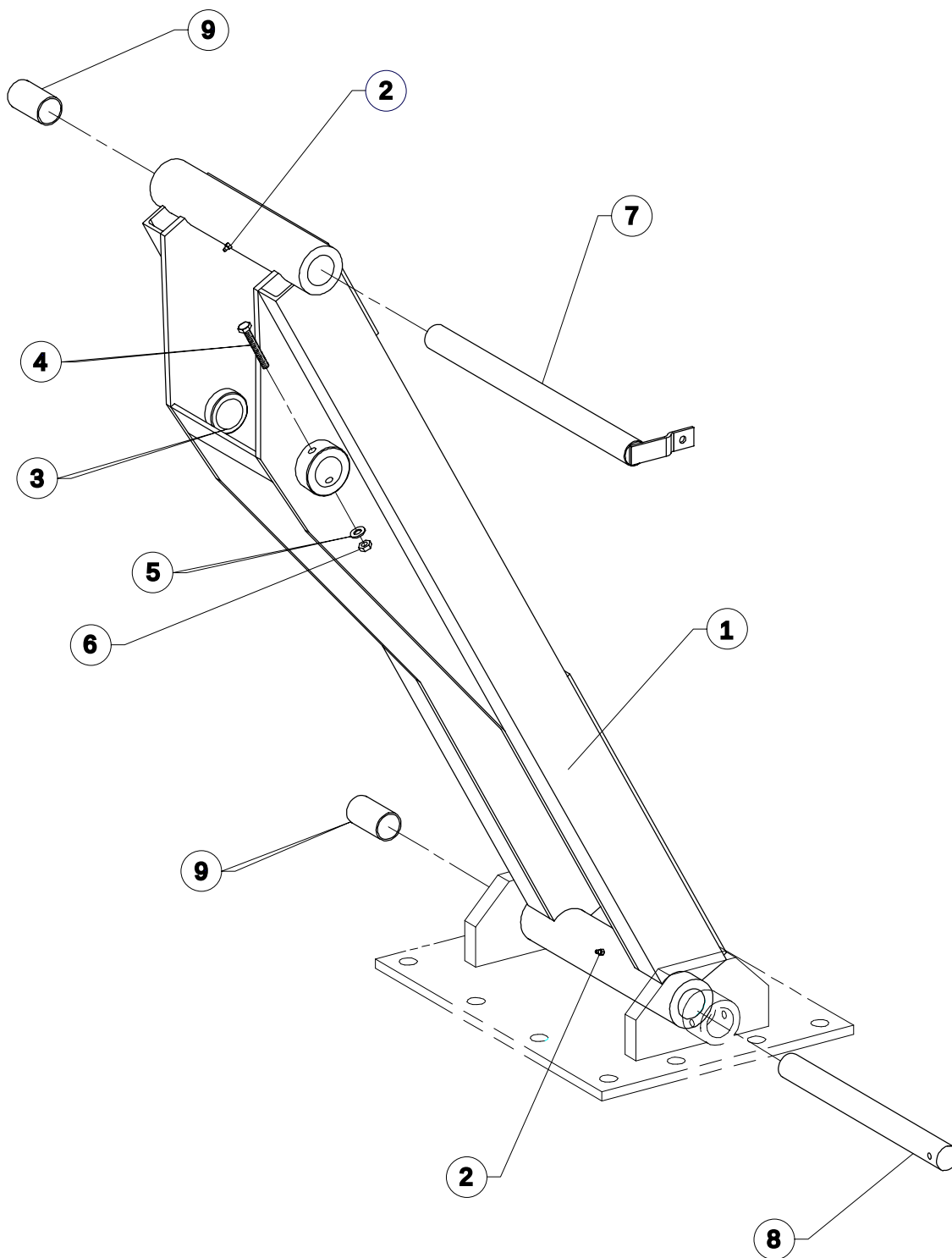


PM-0275.VLM

TABLE NO. 13
LIFTING LEG ASSEMBLY

ITEM NO.	QTY	UM	P/N	DESCRIPTION
1	1	ea	AP01416	LIFTING LEG
2	2	ea	AP00701	GREASE FITTING
3	2	ea	AP00816	LOAD BUSHING
4	2	ea	AP01329	BOLT, 1/2 -13 x 3 1/4" FHSCS
5	2	ea	AP00018	WASHER, SPLIT LOCK 1/2"
6	2	ea	AP00019	NUT, HEX 1/2"
7	1	ea	AP01330	PIVOT PIN, LEG TO PLATFORM CONNECTION
8	1	ea	AP01388	PIVOT PIN, LEG TO LOWER LEG BRACKET
9	2	ea	AP00954	PIVOT PIN BUSHING

LIFTING LEG ASSEMBLY-SEE TABLE 13



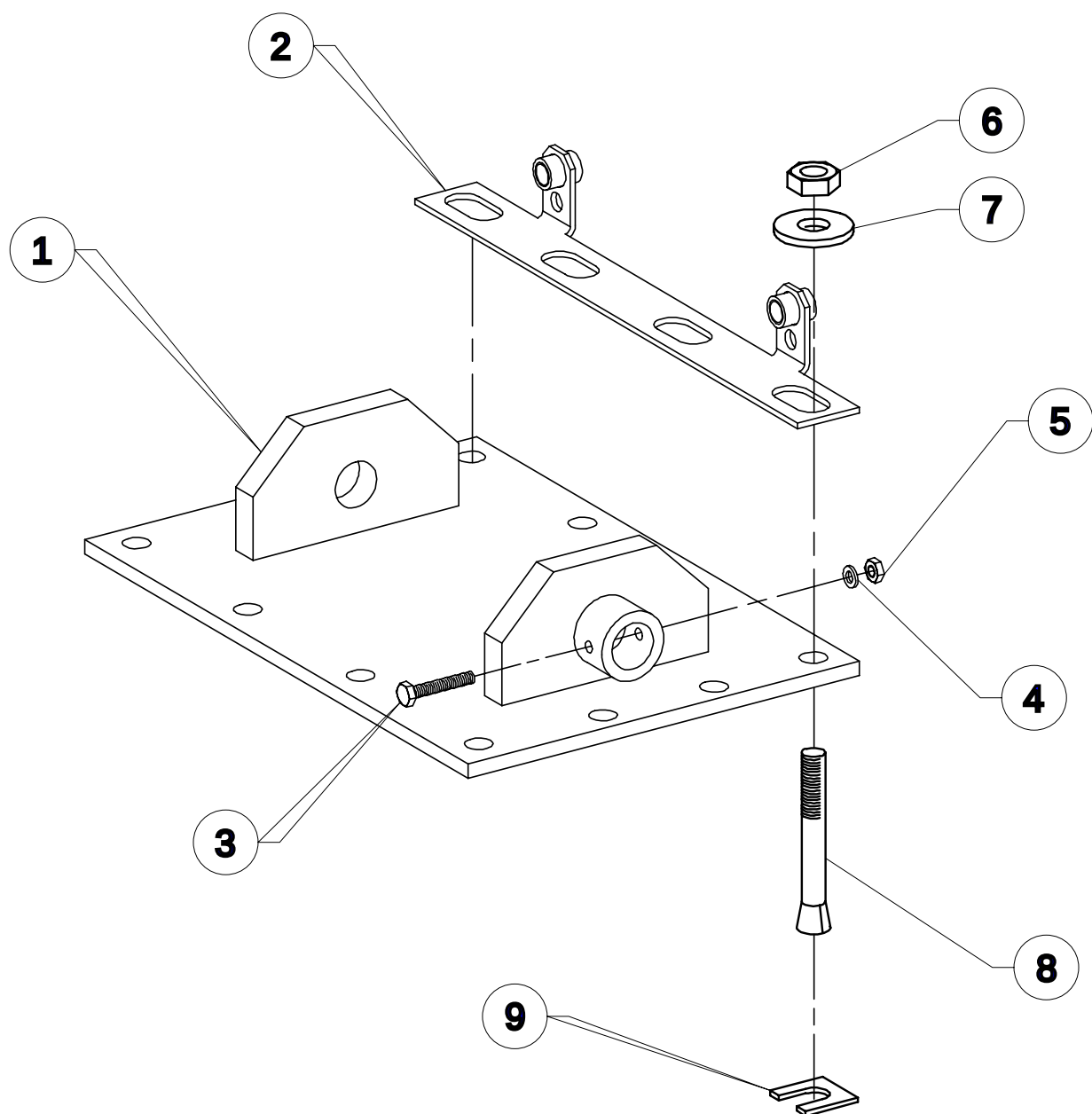
PM-0242.VLM

TABLE NO. 14
LOWER LEG BRACKET ASSEMBLY

ITEM NO.	QTY	UM	P/N	DESCRIPTION
1	1	ea	AP01390	LOWER LEG BRACKET
2	1	ea	AP01391	SERVICE BRACKET (SERVICE LEG ONLY)
3	1	ea	AP01371	BOLT, GR. 5, 1/2 - 13 X 3.75
4	1	ea	AP00018	WASHER, 1/2" SPLIT LOCK, PLATED
5	1	ea	AP00019	NUT, HEX, PLATED, 1/2-13
6	12	ea	AP00771	HEX NUT, HEAVY, GR. 5 PLATED, 7/8"-9
7	12	ea	AP00236	FLAT WASHER, PLATED, 7/8" USS
8	12	ea	AP00422	7/8" X 6" ANCHOR BOLT
8	12	ea	AP00423	7/8" X 8" ANCHOR BOLT
9	*	ea	AP00400	3 X 3 FINGER SHIM .030
9	*	ea	AP00401	3X 3 FINGER SHIM 1/16
9	*	ea	AP00402	3 X 3 FINGER SHIM 1/8
9	*	ea	AP00403	3 X 3 FINGER SHIM 1/4

* Various Quantities

LOWER LEG BRACKET ASSEMBLY-SEE TABLE 14

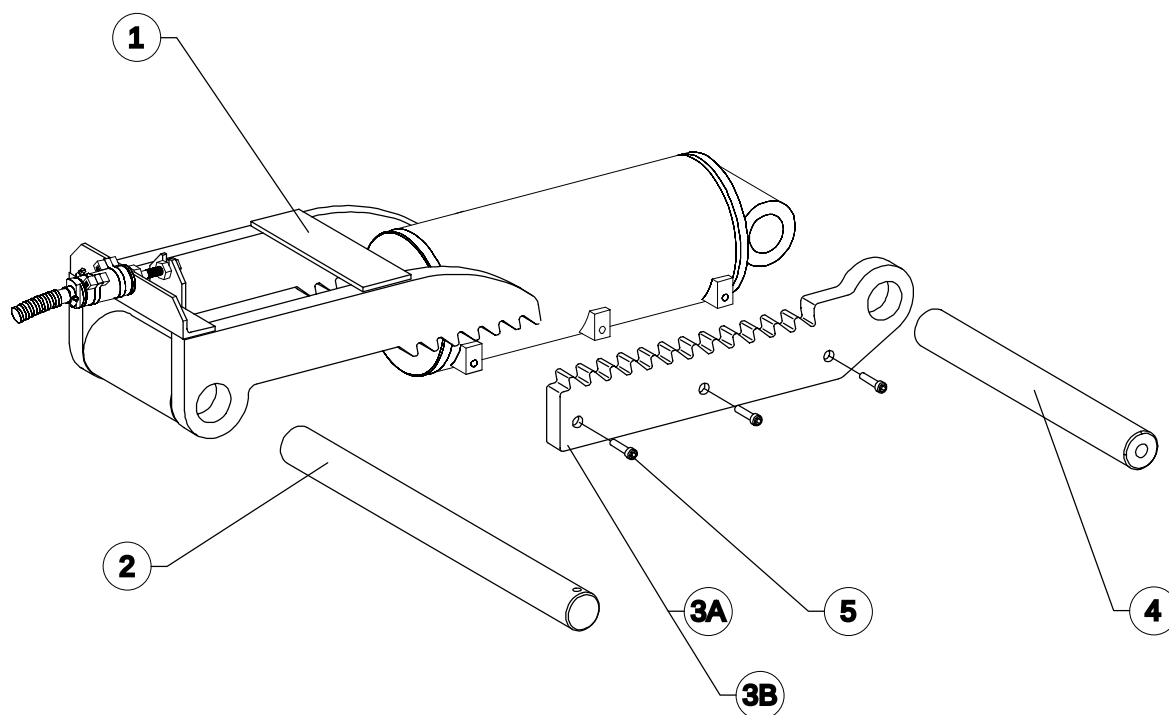


PM-0277.VLM

TABLE NO. 15
MECHANICAL LOCK / CYLINDER PIN ASSEMBLIES

ITEM NO.	QTY	UM	P/N	DESCRIPTION
1	1	ea	AP01338	UPPER LOCK ASSEMBLY, 10 POSITION
2	1	ea	AP01339	PIVOT PIN, LEG TO CYLINDER CONNECTION
3A	1	ea	AP01340	LOWER LOCK, RIGHT HAND, 10 POSITION
3B	1	ea	AP01341	LOWER LOCK, LEFT HAND, 10 POSITION
4	1	ea	AP01342	PIVOT PIN, CYLINDER TO PLATFORM CONNECTION
5	6	ea	AP00752	SCREW, SOCKET HEAD CAP, BLK, 3/8-16 X 1

MECHANICAL LOCK/CYLINDER PIN ASSEMBLIES SEE TABLE 15

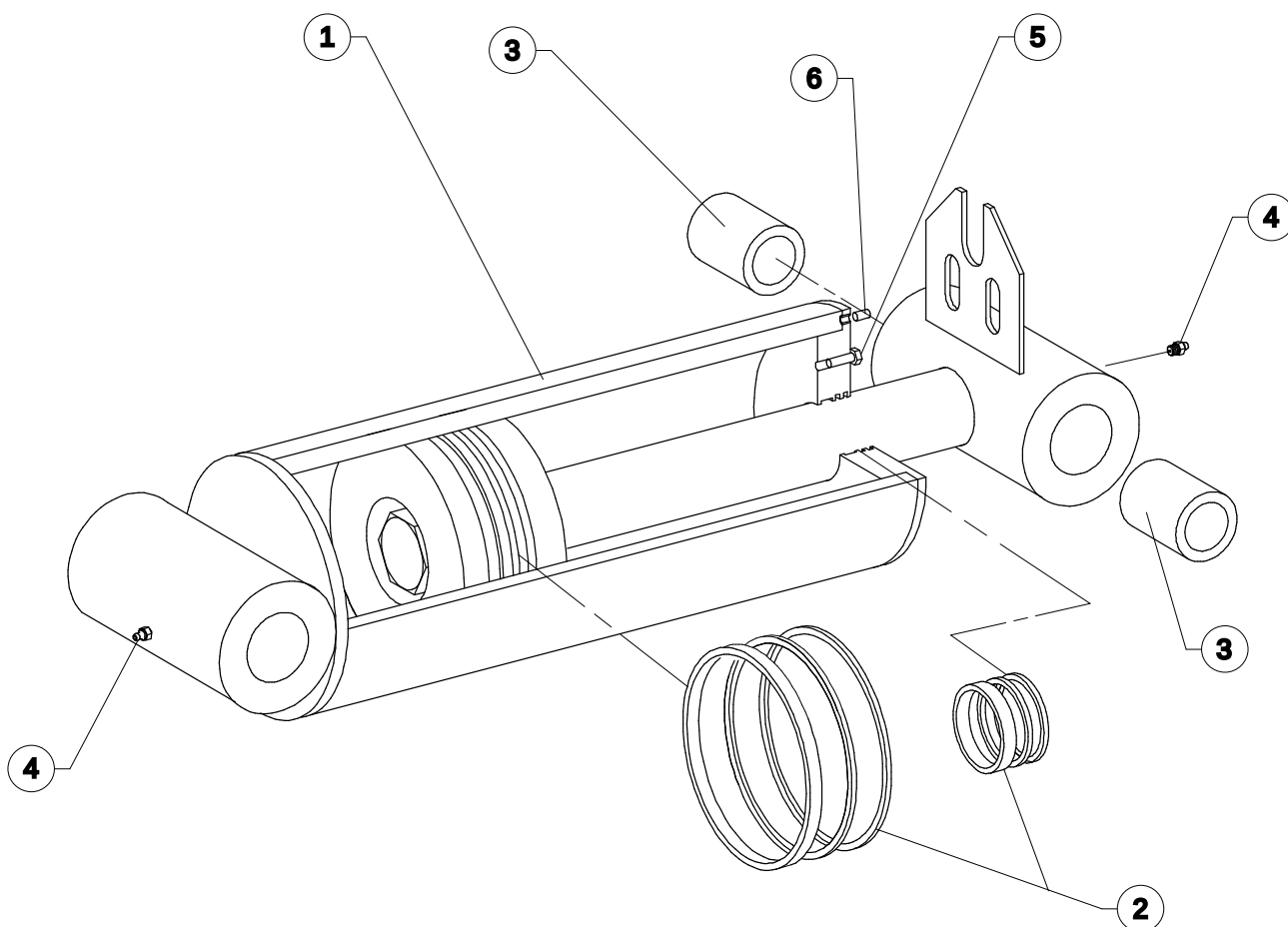


PM-0331.VLM

TABLE NO. 16
HYDRAULIC CYLINDER

ITEM NO.	QTY	UM	P/N	DESCRIPTION
1	1	ea	AP01397	HYDRAULIC CYLINDER
2	1	ea	AP00704	SEAL KIT 6"
3	2	ea	AP00816	BUSHING, PIVOT PIN
4	2	ea	AP00701	GREASE NIPPLE, 1/8" NPT
5	1	ea	AP00811	BREATHER, BRONZE
6	1	ea	AP00856	SET SCREW, ROD END CAP

HYDRAULIC CYLINDER ASSEMBLY-SEE TABLE 16

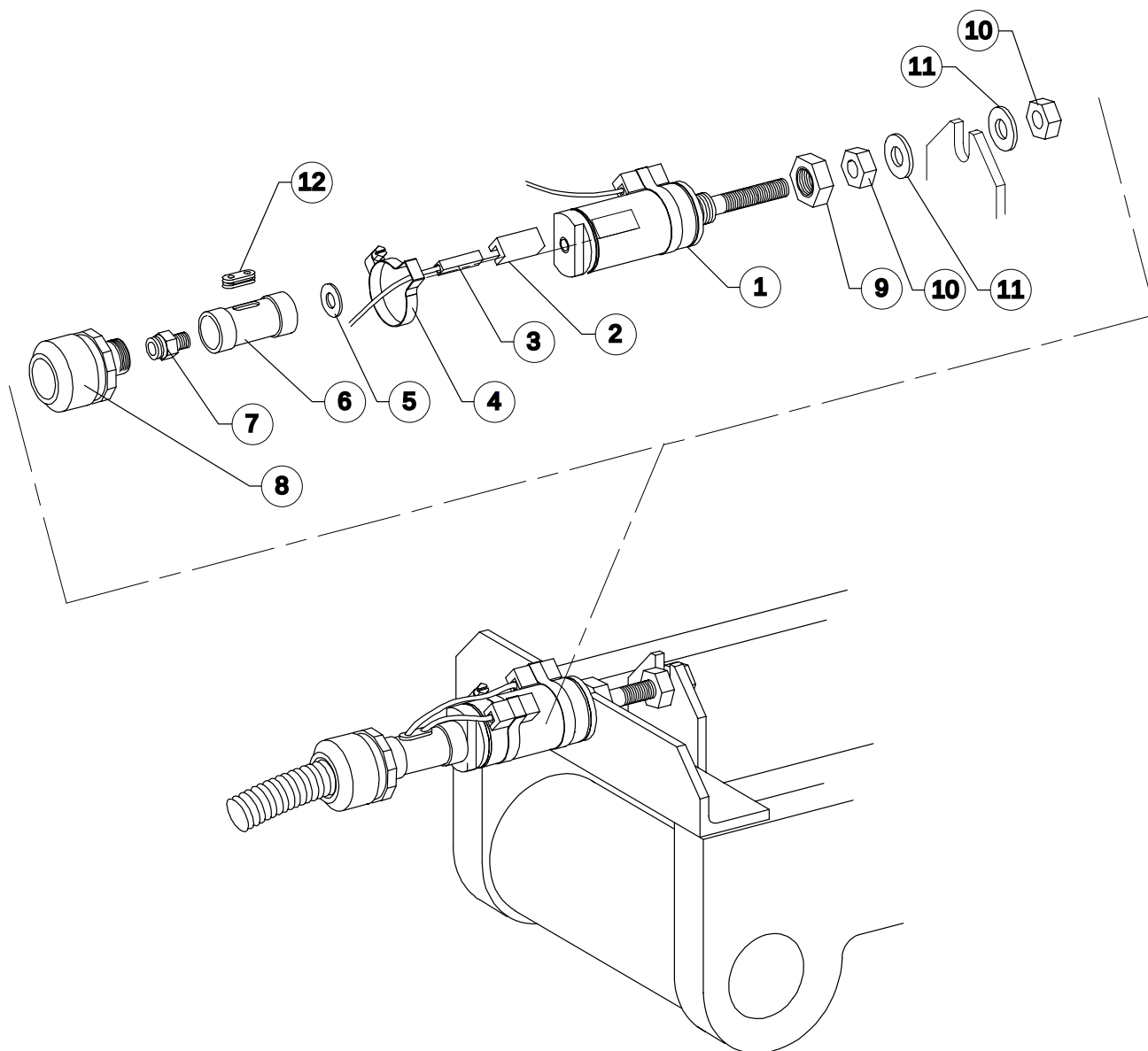


PM-0244.VLM

TABLE NO. 17
PNEUMATIC CYLINDER ASSEMBLY

ITEM NO.	QTY	UM	P/N	DESCRIPTION
1	1	ea	AP00221	PNEUMATIC CYLINDER, STAINLESS STEEL
2	2	ea	AP00746	REED SWITCH HOUSING
3	2	ea	AP00223	REED SWITCH
4	2	ea	AP00222	REED SWITCH CLAMP
5	1	ea	AP00029	FLATWASHER, 3/8" SAE, (AS REQUIRED)
6	1	ea	AP00926	THREADED CYLINDER ADAPTOR
7	1	ea	AP00153	CONNECTOR, MALE-1/4" AIR TUBE
8	1	ea	AP00277	CONDUIT FITTING, STRAIGHT, 3/4"
9	1	ea	AP00773	MOUNTING NUT
10	2	ea	AP00237	LOCKNUT, 7/16-20 NYLON INSERT
11	2	ea	AP00240	FLATWASHER 1/2" U.S.S.
12	1	ea	AP00857	RUBBER GROMMET

PNEUMATIC CYLINDER ASSEMBLY-SEE TABLE 17

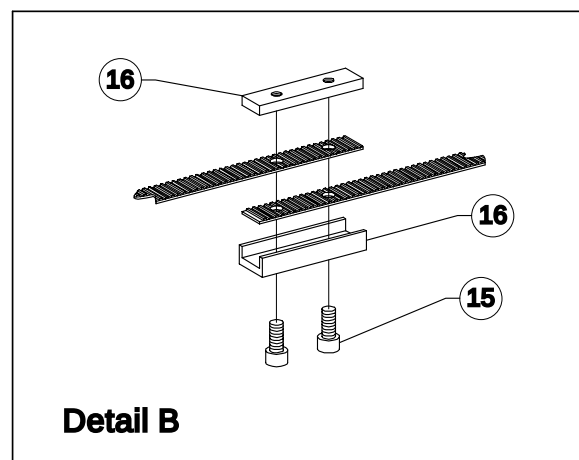
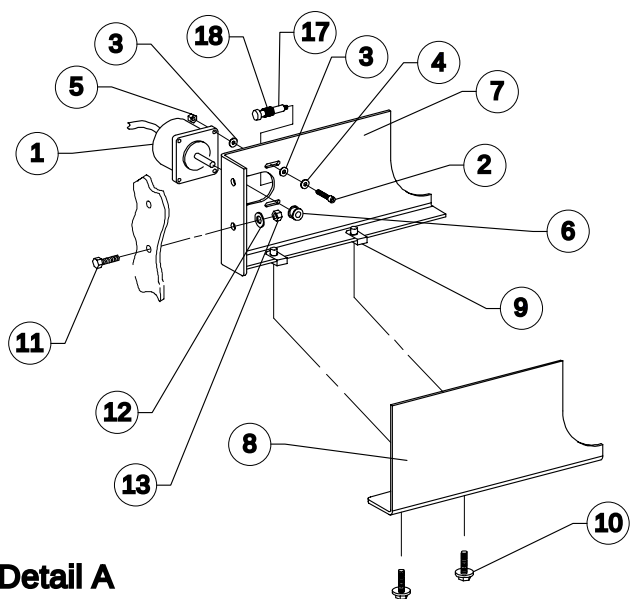
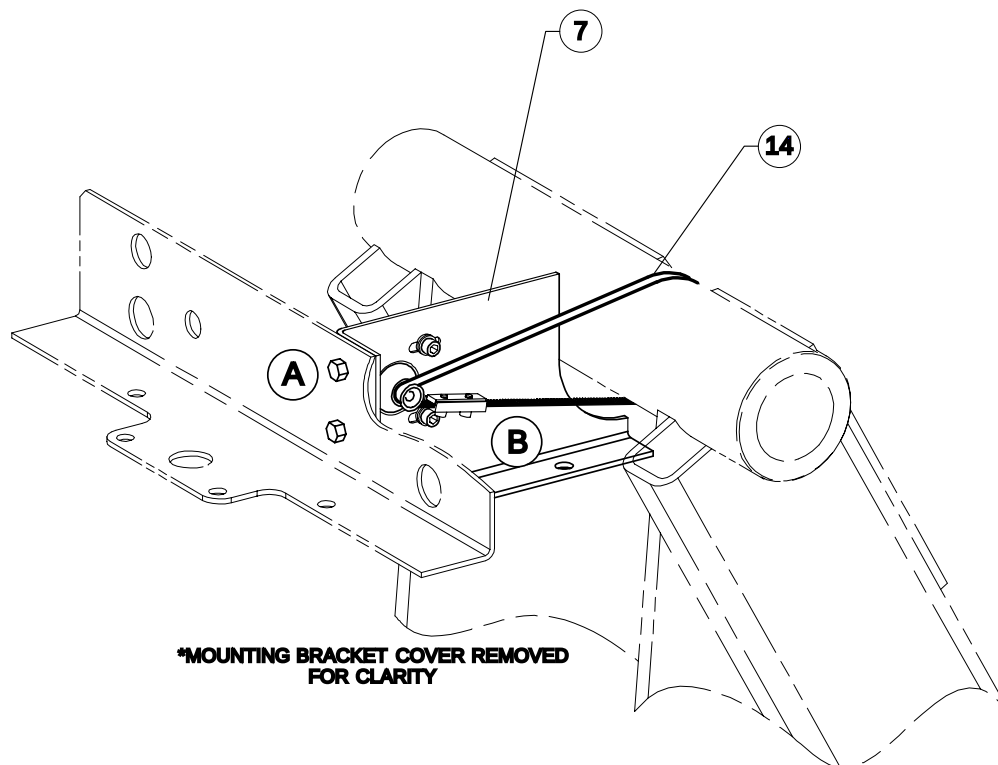


PM-0230.VLM

TABLE NO. 18
POSITION SENSOR ASSEMBLY

ITEM NO.	QTY	UM	P/N	DESCRIPTION
1	1	ea	AP01343	ENCODER, ROTARY
2	4	ea	AP01519	SCREW, 8-32 x 1" SHCS, SS
3	8	ea	AP01521	WASHER, #8 NYLON RETAINING
4	4	ea	AP00795	WASHER, FLAT #8, SS
5	4	ea	AP01520	NUT, HEX 8-32, SS
6	1	ea	AP01345	PULLEY, TIMING BELT - .509 DIA. x .080 PITCH
7	1	ea	AP01516	BRACKET, ENCODER MOUNTING
8	1	ea	AP01347	COVER, ENCODER MOUNTING BRACKET
9	2	ea	AP00345	J-NUT CLIP, 1/4-20
10	2	ea	AP01348	BOLT WITH CAPTIVE WASHER, 1/4-20 x 3/4"
11	2	ea	AP00032	BOLT, 3/8-16 x 1"
12	2	ea	AP00030	WASHER, SPLIT LOCK 3/8"
13	2	ea	AP00031	NUT, HEX - 3/8"-16, GR5, PLATED
14	1	ea	AP01349	BELT, TIMING - .080 PITCH
15	2	ea	AP01531	SCREW, 8-32 x .375, SS
16	1	ea	AP01532	CLAMP, ENCODER BELT, SS
17	1	ea	AP01517	PLUNGER, BELT TENSIONING
18	1	ea	AP01518	SPRING, BELT TENSIONING

POSITION SENSOR ASSEMBLY-SEE TABLE 18

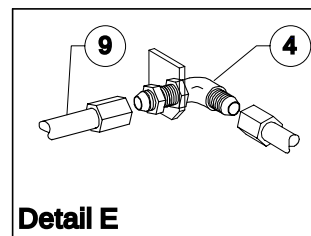
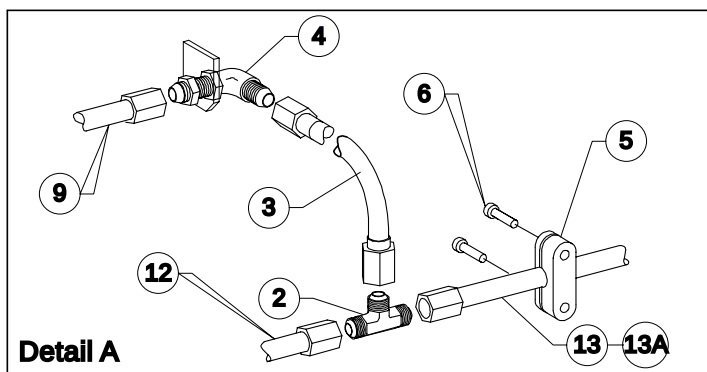
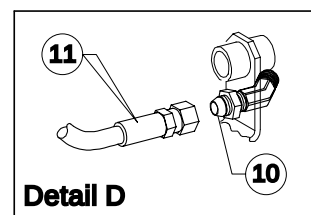
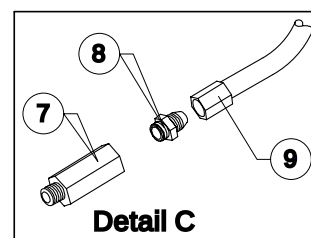
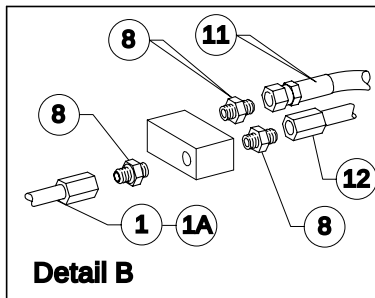
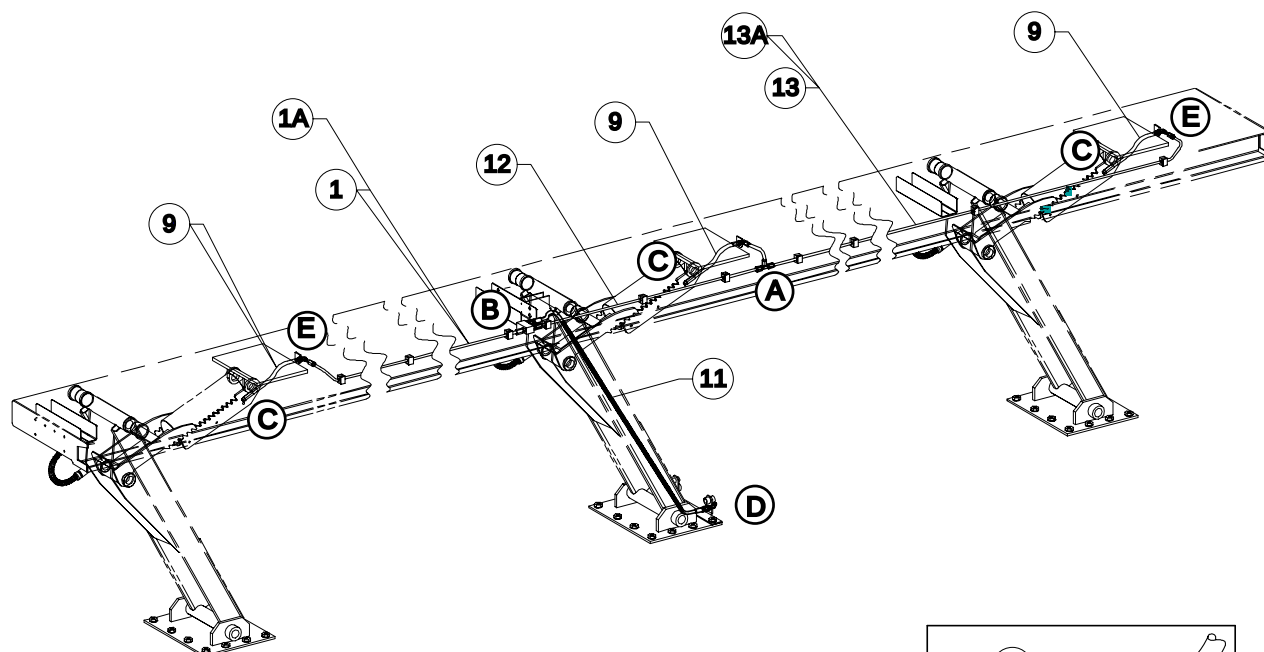


PM-0328.VLM

TABLE NO. 19
PLATFORM / LIFTING LEG HYDRAULIC HOSE,
TUBING, FITTING DETAIL

ITEM NO.	QTY	UM	P/N	DESCRIPTION
1	1	ea	AP01412	S.S. TUBE ASSEMBLY - FRONT, LH
1A	1	ea	AP01413	S.S. TUBE ASSEMBLY- FRONT, RH
2	1	ea	AP00756	UNION TEE, #8
3	1	ea	AP01401	S.S. TUBE ASSEMBLY-CROSS OVER
4	3	ea	AP00757	BULKHEAD UNION ELBOW
5	10	ea	AP00699	TUBE CLAMP ASSEMBLY
6	20	ea	AP00024	SCREW, 1/4"-20 X 1" SHCS
7	3	ea	AP00700	VELOCITY FUSE
8	6	ea	AP00155	MALE ADAPTER
9	3	ea	AP00790	HOSE ASSEMBLY, PLATFORM TO CYLINDER CONNECTION
10	1	ea	AP00159	BULKHEAD FITTING, #8, 45°
11	1	ea	AP01356	HOSE ASSEMBLY, SERVICE LEG
12	1	ea	AP01357	S.S. TUBE ASSEMBLY, INTERMEDIATE
13	1	ea	AP01414	S.S. TUBE ASSEMBLY-REAR, LH
13A	1	ea	AP01415	S.S. TUBE ASSEMBLY- REAR, RH

PLATFORM/LIFTING LEG; HYDRAULIC HOSE, TUBING & FITTING DETAIL-SEE TABLE 21

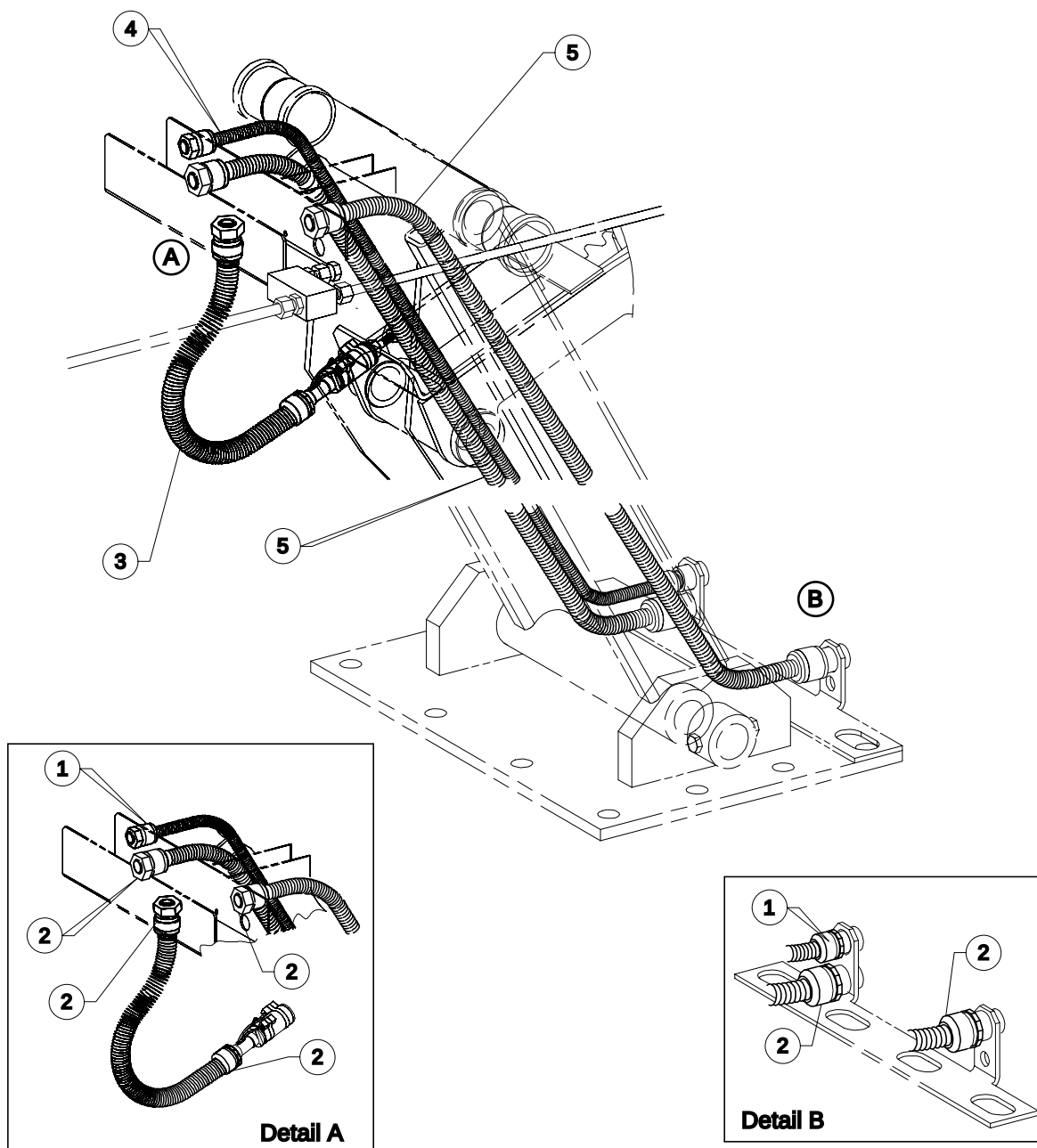


PM-0342.VLM

TABLE NO. 20
SERVICE LEG CONDUIT FITTING DETAIL

ITEM NO.	QTY	UM	P/N	DESCRIPTION
1	2	ea	AP01213	CONDUIT FITTING, STRAIGHT, 1/2"
2	6	ea	AP00277	CONDUIT FITTING, STRAIGHT, 3/4"
3	1	in	AP00276	FLEXIBLE CONDUIT, 20"
4	1	in	AP01212	FLEXIBLE CONDUIT, 1/2" x 95.5"
5	1	in	AP00276	FLEXIBLE CONDUIT, 3/4" x 95.5"

SERVICE LEG CONDUIT DETAIL-SEE TABLE 20

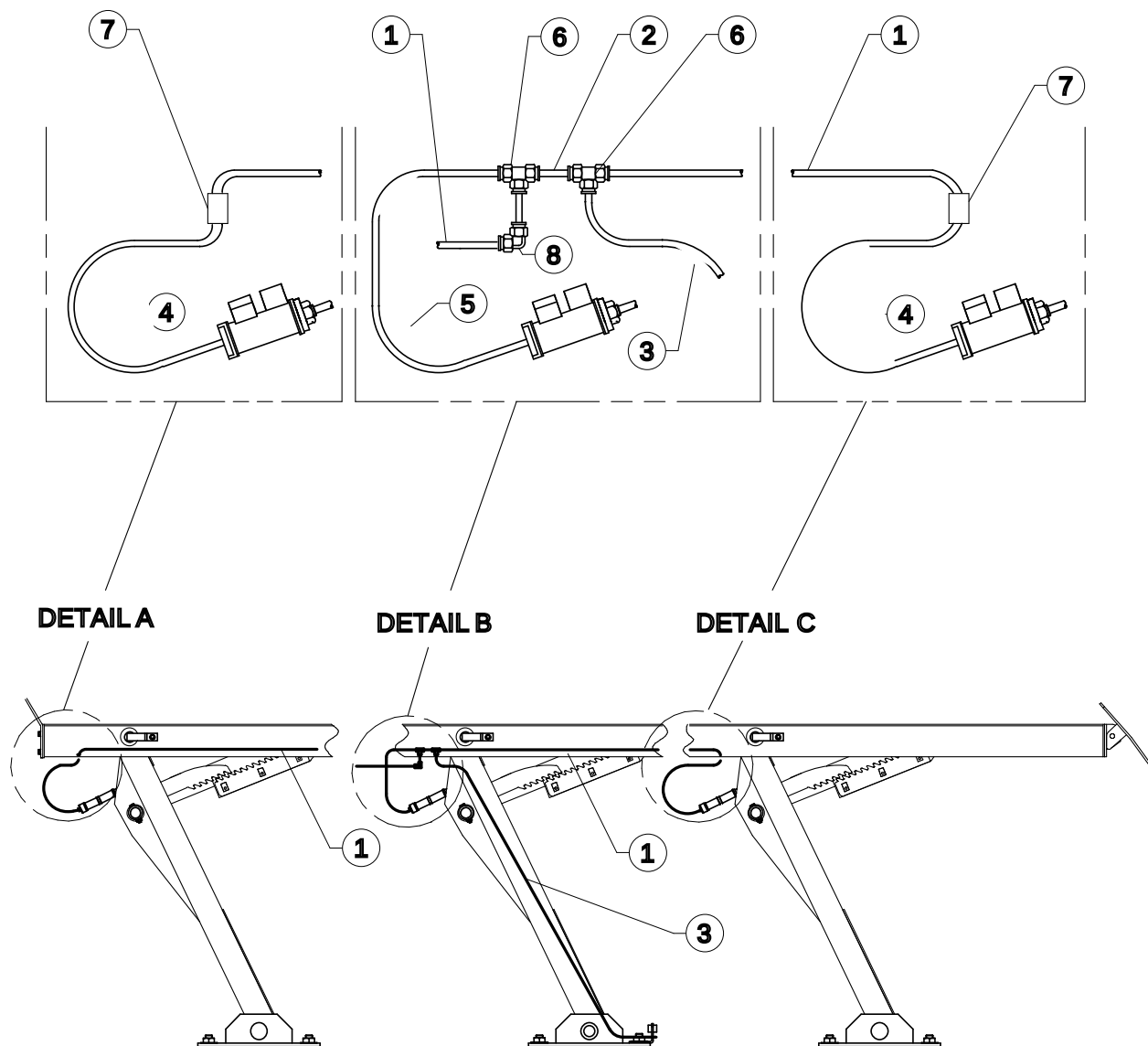


PM-0283.VLM

TABLE NO. 21 PENUMATIC TUBING/FITTING DETAIL

ITEM NO.	QTY	UM	P/N	DESCRIPTION
1	2	ea	AP01010	AIR LINE/TUBING, 1/4", P-3-225"
2	1	ea	AP00937	AIR LINE/TUBING, 1/4", P-4-1.5"
3	1	ea	AP00935	AIR LINE/TUBING, 1/4", P-1-114"
4	2	ea	AP00936	AIR LINE/TUBING, 1/4", P-2-20"
5	2	ea	AP00936	AIR LINE/TUBING, 1/4", P-2-25"
6	2	ea	AP00224	AIR FITTING, TEE UNION
7	2	ea	AP01360	AIR FITTING, UNION 1/4"
8	1	ea	AP0025	AIR FITTING, ELBOW 90°, 1/4"

PNEUMATIC TUBING/FITTING DETAIL-SEE TABLE 21

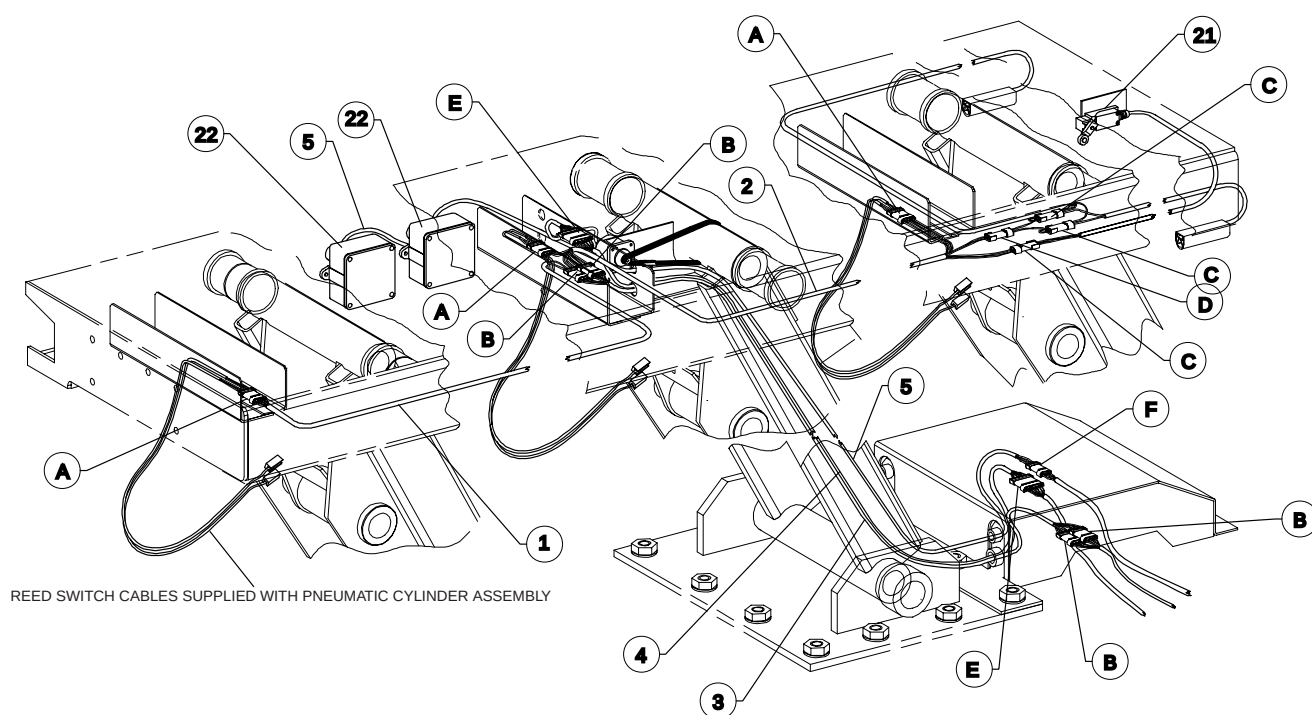


PM-0343.VLM

TABLE NO. 22
WIRING HARNESS
DETAIL

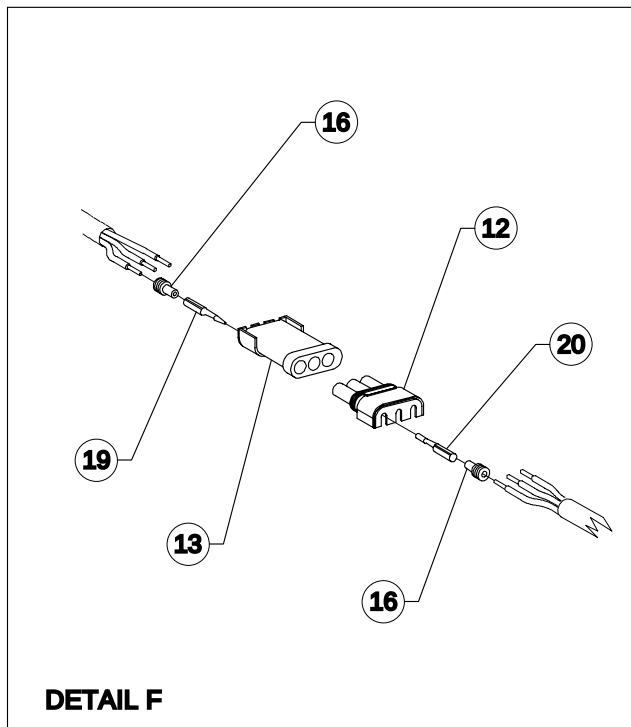
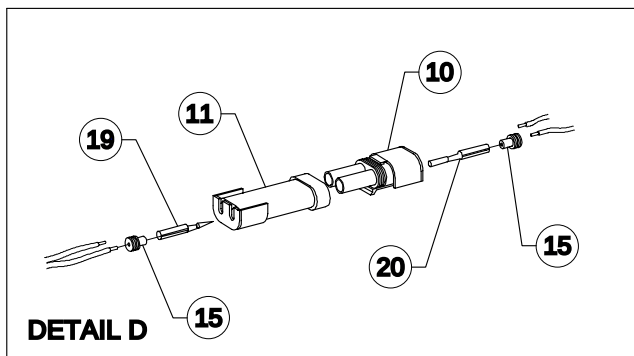
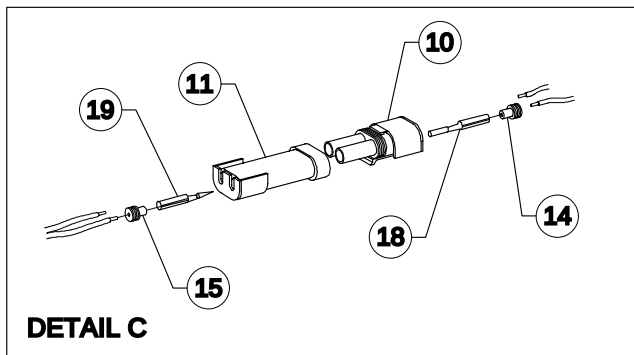
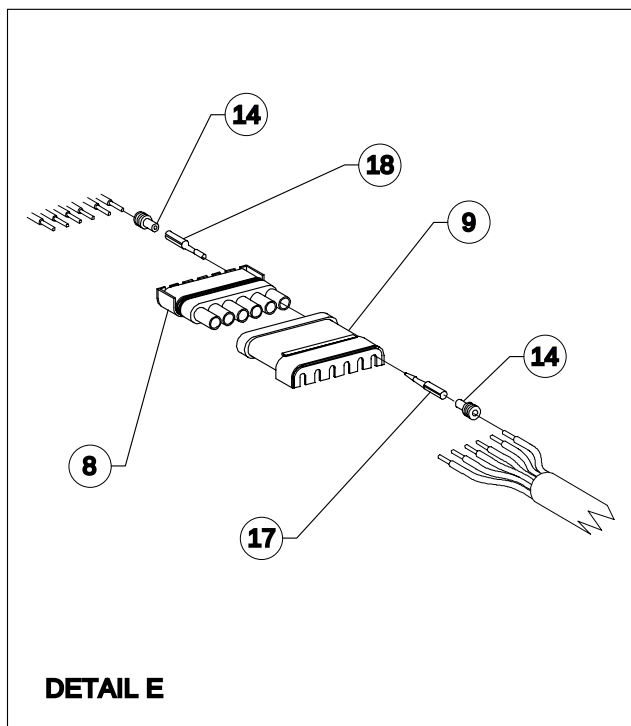
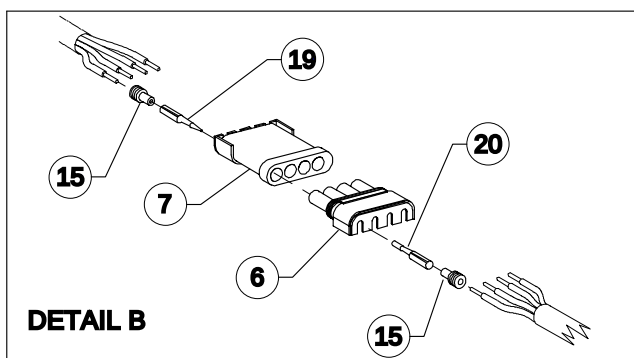
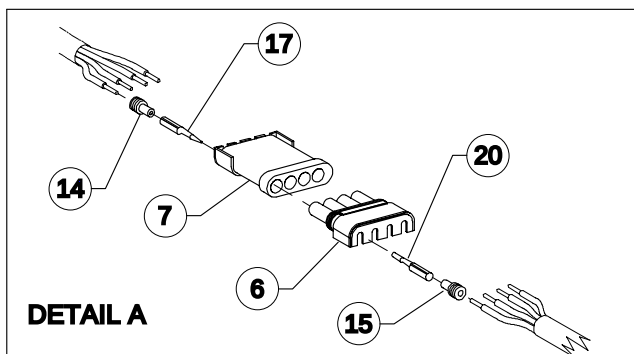
ITEM NO.	QTY	UM	P/N	DESCRIPTION
1	1	ea	AP00007	LIFT RACEWAY HARNESS, FRONT - 6/C 16 AWG
2	1	ea	AP00998	LIFT RACEWAY HARNESS, REAR - 8/C 16 AWG
3	1	ea	AP00998	LIFTING LEG HARNESS, 8/C 16 AWG
4	1	ea	AP01241	ENCODER HARNESS, 6/C 20 AWG
5	1	ea	AP00010	LIGHT HARNESS, 3/C 16 AWG
6	7	ea	AP00967	CONNECTOR, MALE 4 CONTACT
7	7	ea	AP00968	CONNECTOR, FEMALE 4 CONTACT
8	2	ea	AP00306	CONNECTOR, MALE 6 CONTACT
9	2	ea	AP00310	CONNECTOR, FEMALE 6 CONTACT
10	4	ea	AP00305	CONNECTOR, MALE 2 CONTACT
11	4	ea	AP00308	CONNECTOR, FEMALE 2 CONTACT
12	1	ea	AP00304	CONNECTOR, MALE 3 CONTACT
13	1	ea	AP00309	CONNECTOR, FEMALE 3 CONTACT
14	42	ea	AP00311	RED CABLE SEAL - 20 AWG
15	54	ea	AP00307	GREEN CABLE SEAL - 16 AWG
16	6	ea	AP00303	GREY CABLE SEAL - 16 AWG
17	21	ea	AP00313	TERMINAL, MALE - 20 AWG
18	21	ea	AP00314	TERMINAL, FEMALE - 20 AWG
19	30	ea	AP00315	TERMINAL, MALE - 16 AWG
20	30	ea	AP00312	TERMINAL, FEMALE - 16 AWG
21	1	ea	AP01416	SWITCH, HOME POSITION
22	2	ea	AP00754	JUNCTION BOX, WATER-RESISTENT

WIRING HARNESS DETAIL-SEE TABLE 24



PM-0285.VLM

WIRING HARNESS DETAIL-SEE TABLE 24



PM-0286.VLM

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