

Parts Catalog

Admiral 28/32 Riding Scrubber Sport

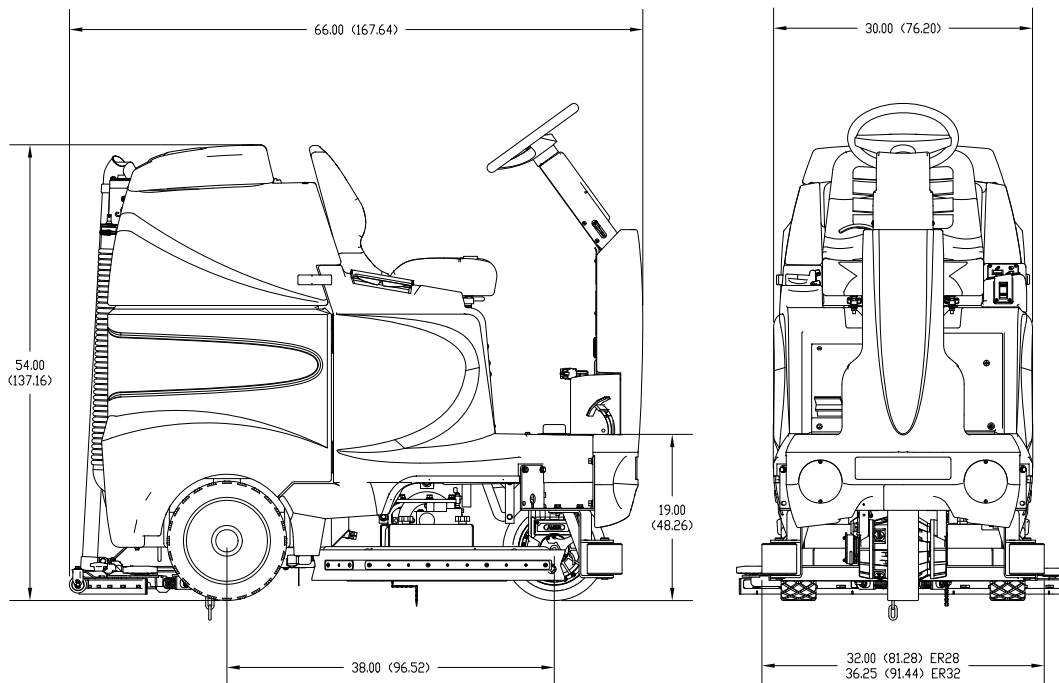


This machine was designed to give you excellent performance and efficiency. For best results and minimal cost, please follow the general guidelines below:

- Operate the machine with reasonable care.
- Follow the manufacturers suggested maintenance instructions as provided in the user manual.
- Use original PowerBoss supplied parts.

TECHNICAL SPECIFICATIONS

Model	<i>Admiral 28/32</i>
Model No.	ADMER28DS, ADMER28DSPLUS, ADMER28DSQP, ADMER28DSQPG, ADMER28DSQPT, ADMER32DS, ADMER32DSPLUS, ADMER32DSQP, ADMER32DSQPG, ADMER32DSQPT, ADMER32DSQPIW
Current	60 Amps
Voltage, Batteries	36 volts, 6-6volt
Battery Capacity	275 Ah (Optional 395 Ah batteries available)
Sound Level	75 dB
Dimensions (LxWxH)	66" x 31" x 54" (167.64cm x 78.74cm x 137cm)
Gross Weight	1,243 lbs (564 kg) with batteries 847 lbs (384 kg) without batteries
Working Grade Transport	10% (7°)
Wheel to Floor Pressure	64 PSI Front, 69 PSI Rear

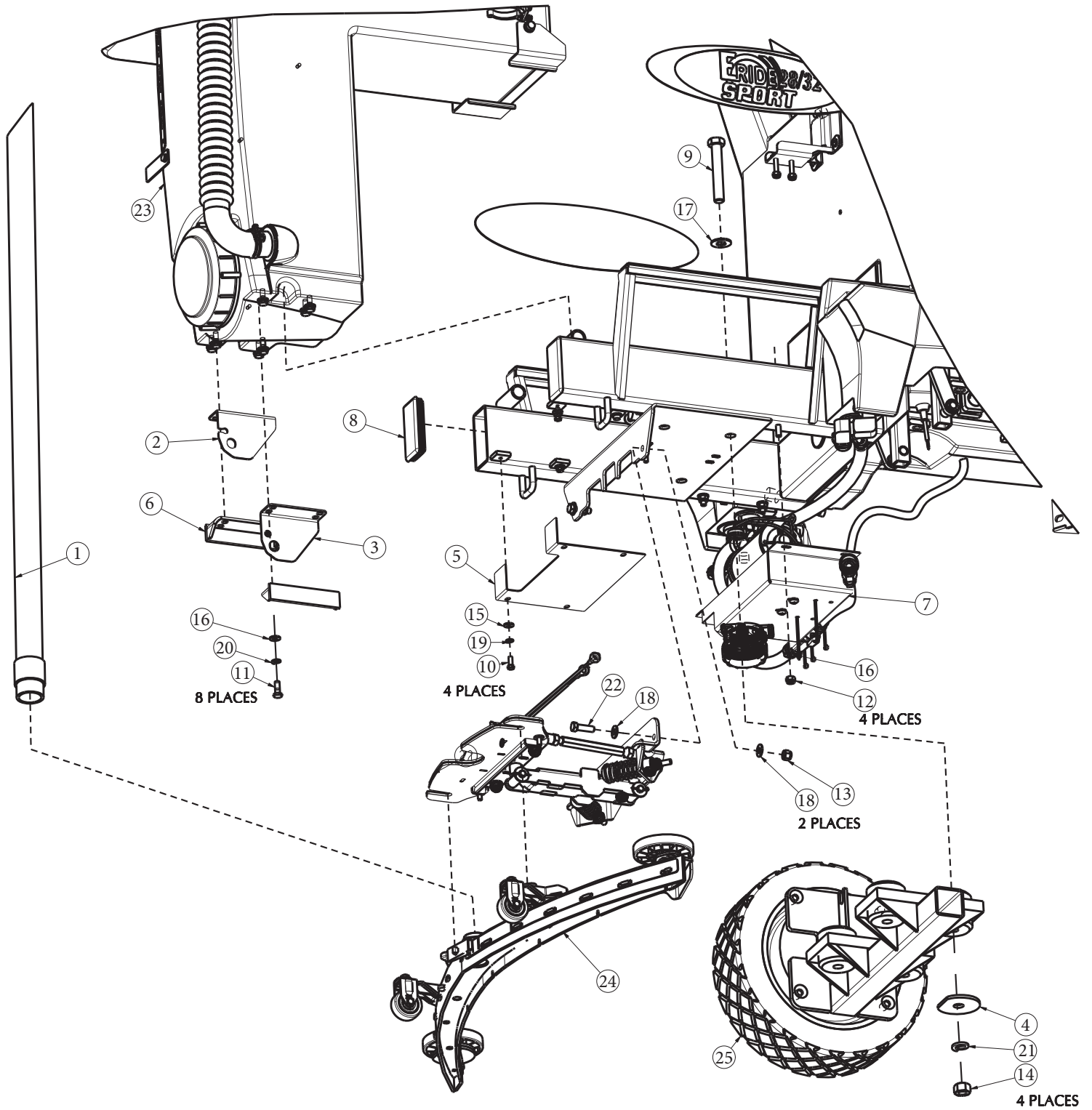


For Safety When Servicing or Maintaining Machine

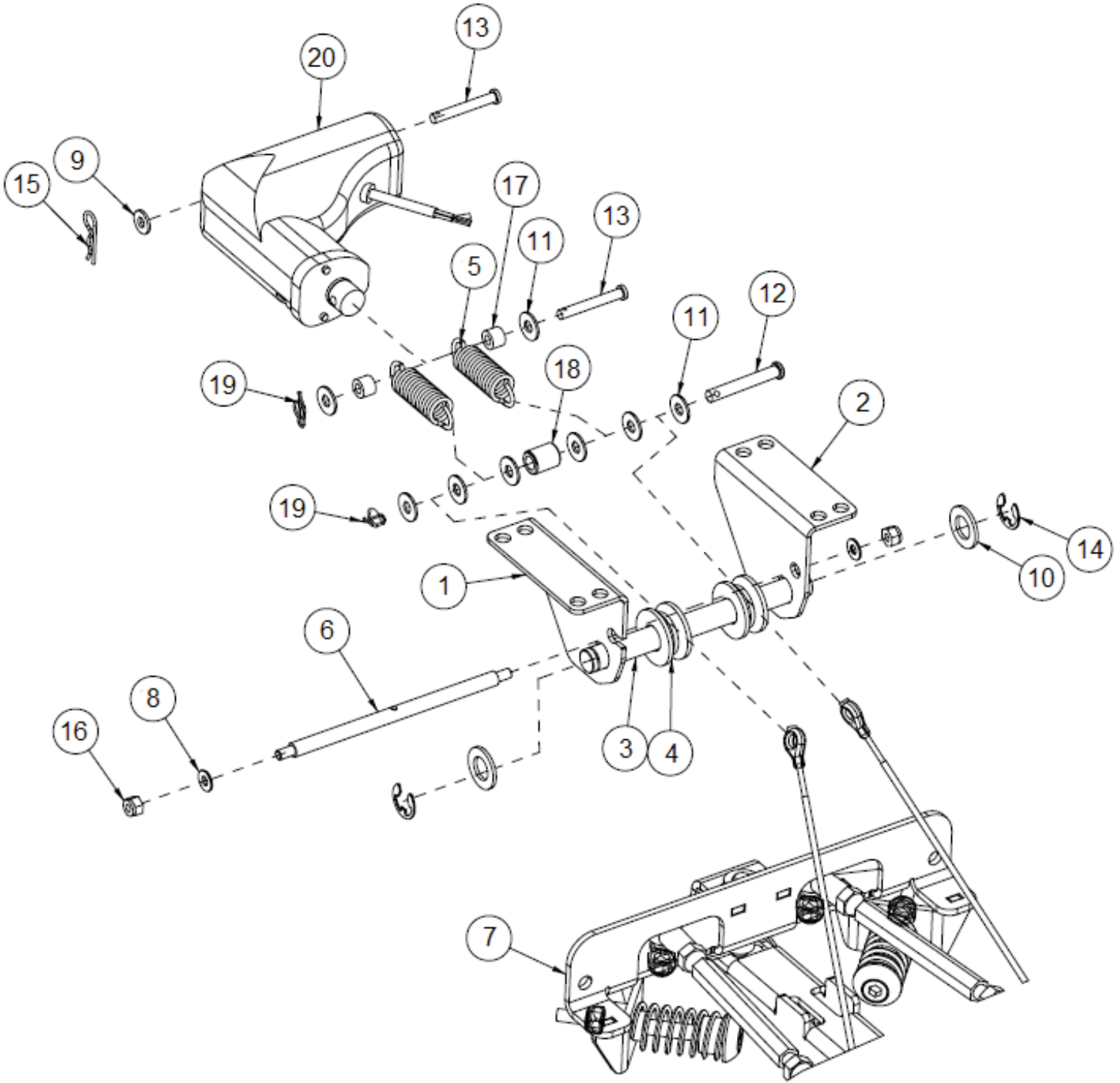
- Stop on level surface.
- Disconnect the power to the machine by pulling the red Battery Connector located under the recovery tank near the batteries.
- Avoid moving parts. Do not wear loose jackets, shirts, or sleeves when working on machine.
- Avoid contact with battery acid. Battery acid can cause burns. When working on or around batteries, wear protective clothing and safety glasses. Remove metal jewelry. Do not lay tools or metal objects on top of batteries.
- Do not clean machine with a pressure washer.
- Authorized personnel must perform repairs and maintenance. Use PowerBoss supplied replacement parts.

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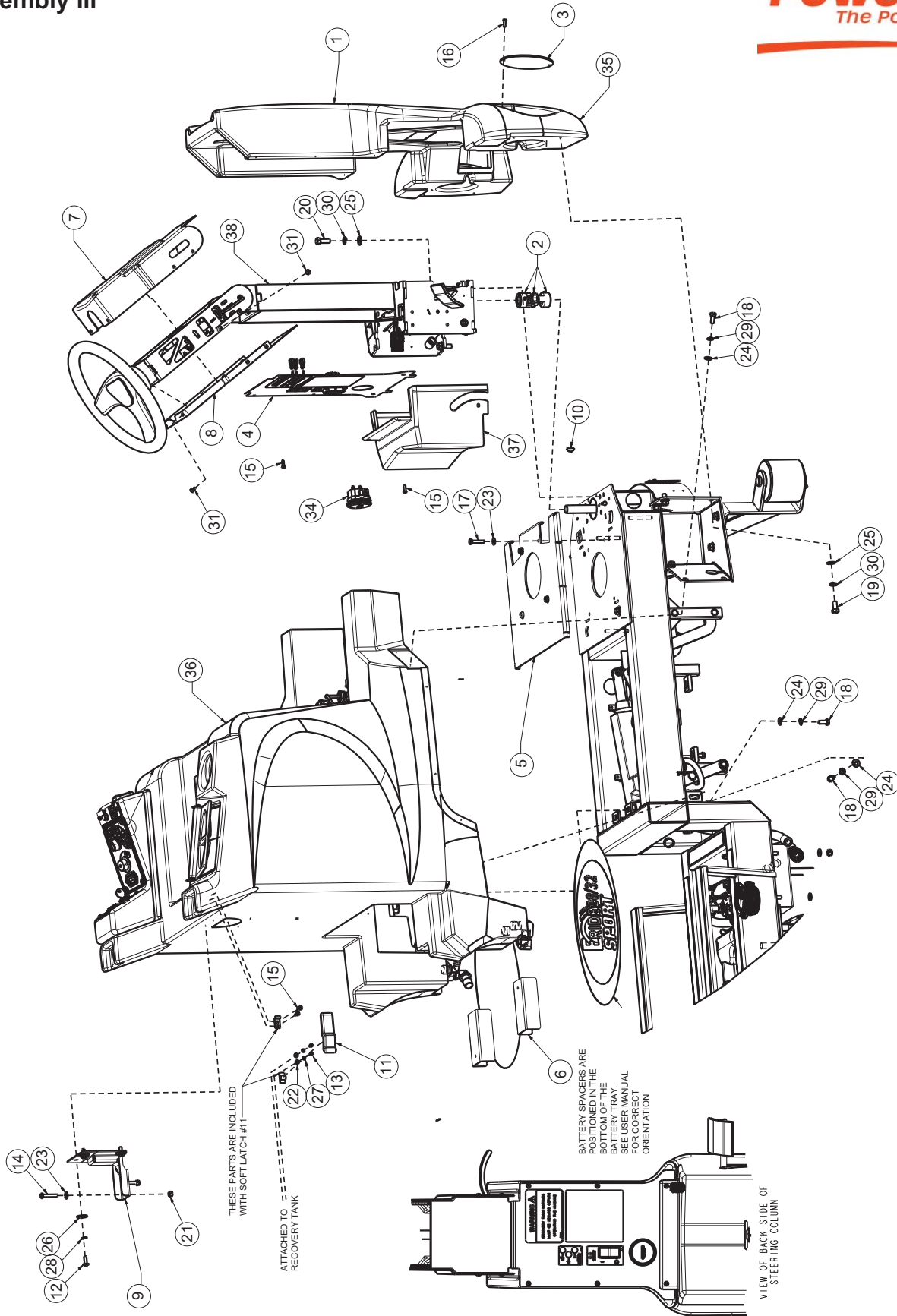
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BILL OF MATERIALS - SC2832PBS			
ITEM	PART NO.	QTY	DESCRIPTION
1	241356	1	HOSE-VAC 1.5" ID X 48"
2	281193	1	BRACKET - SQUEEGEE LIFT, LH
3	281194	1	BRACKET - SQUEEGEE LIFT, RH
4	281211	4	WSR-SNUBBING
5	281228	1	REAR COVER
6	281360	2	WELD-SLIDER FIXED
7	281395	1	ASSY, PUMP-SOLUTION,w/EASY ACCESS FILTER
8	281446	2	END CAP-TUBING 2" X 4"
9	711173	4	SCR-HH 5/8-11 X 4 ZP GR 5
10	711203	10	SCR-HH 1/4-20 X .62 ZP TAP
11	711229	8	SCR-HH 5/16-18 X .87 ZP GR 5
12	711374	4	NUT-NYLOC 5/16-18 ZP
13	711380	7	NUT-NYLOC 3/8-16 ZP
14	711445	4	NUT-HEX 5/8 X 11 ZP
15	711505	17	WASHER-FLAT 1/4 ZP
16	711506	20	WASHER-FLAT 5/16 X .688 ZP
17	711511	4	WASHER-FLAT 5/8 X 1.31 X .09 SS
18	711515	31	WASHER-FLAT 3/8 X .812 X .0625 ZP
19	711544	14	WASHER-LOCK 1/4 SPLIT ZP
20	711545	20	WASHER-LOCK 5/16 SPLIT ZP
21	712315	4	WASHER-LOCK 5/8 SPLIT ZP
22	713043	2	SCR-HH 3/8-16 X 1.25 ZP GR 5
23	281010PB	1	RECOVERY TANK ASY.-ADMER28/32 (W/ LIDS)
24	281338	1	REAR SQUEEGEE ASM - ADMER 2832
25	281201E	1	REAR AXLE ASSY

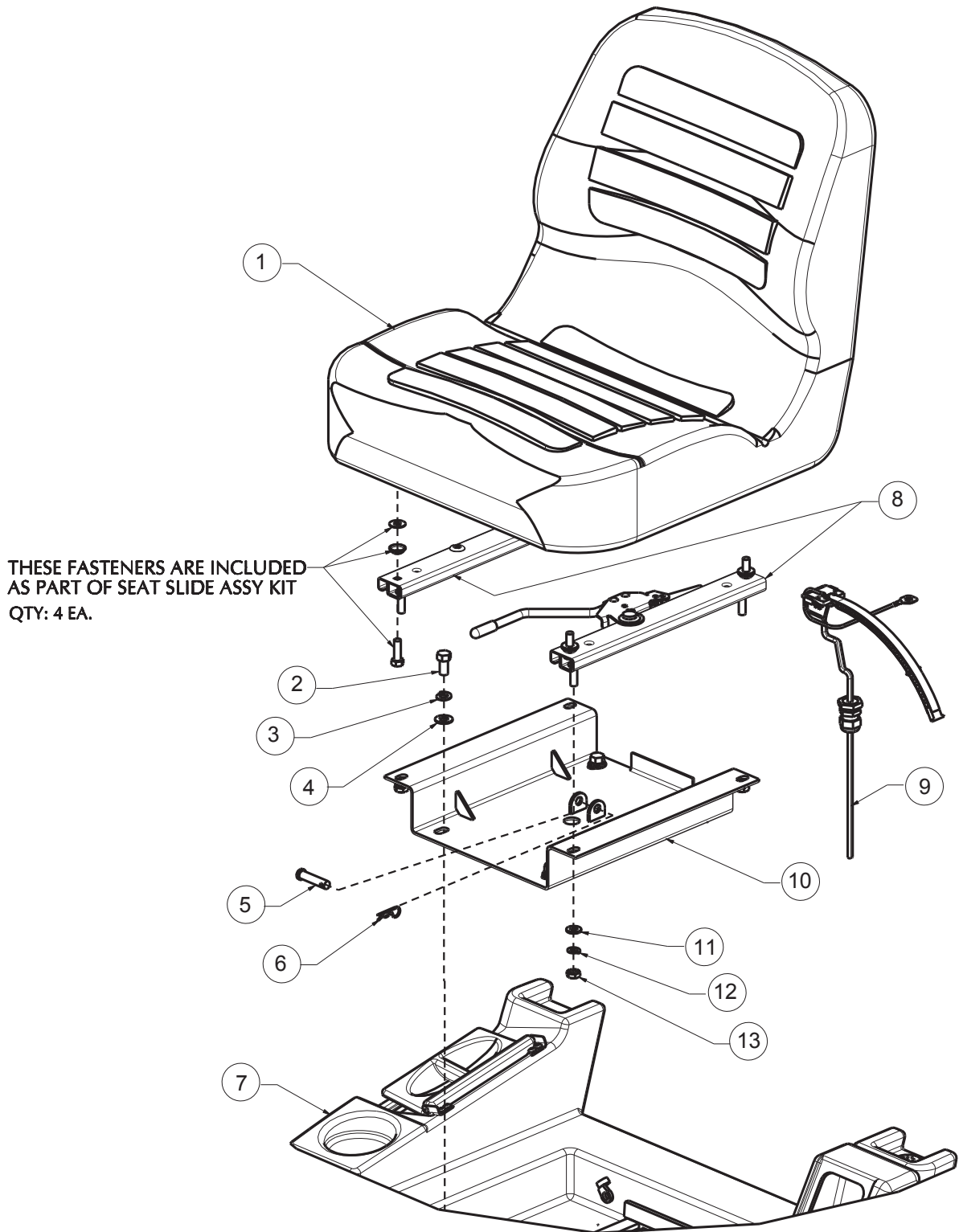


BILL OF MATERIALS - SC2832PBS			
ITEM	PART NO.	QTY	DESCRIPTION
1	281193	1	BRACKET - SQUEEGEE LIFT, LH
2	281194	1	BRACKET - SQUEEGEE LIFT, RH
3	281195	1	SHAFT - PULLEY
4	281196	2	PULLEY - PLASTIC
5	281225	2	SPRING - EXTENSION, 3"
6	711749	2	RET RING-E TYPE .625
7	281300	1	MAIN FRAME - E RIDE 2832
8	711504	2	WASHER-FLAT 1/4 SS
9	711505	17	WASHER-FLAT 1/4 ZP
10	711527	2	WASHER-FLAT .63 X 1.12 X .09
11	711575	15	WASHER-FLAT 1/4 X .75 X .06 ZP
12	711671	1	PIN-CLEVIS .31 X 2.13
13	711675	2	PIN-CLEVIS 1/4 X 1 7/8 ZINC
14	711749	2	RET RING-E TYPE .625
15	711808	3	PIN-HAIRPIN COTTER #13
16	712667	3	NUT-NYLOC 1/4-20 SS
17	762371	2	BUSHING-.260 X .50 X .37 ALM
18	840118	1	BUSHING-.375 X .625 X .750 ZINC
19	3400125	2	RING-RUE 3/8
20	748009-1	1	ACTUATOR, W/WEATHER PACK SCV SQUEEGEE



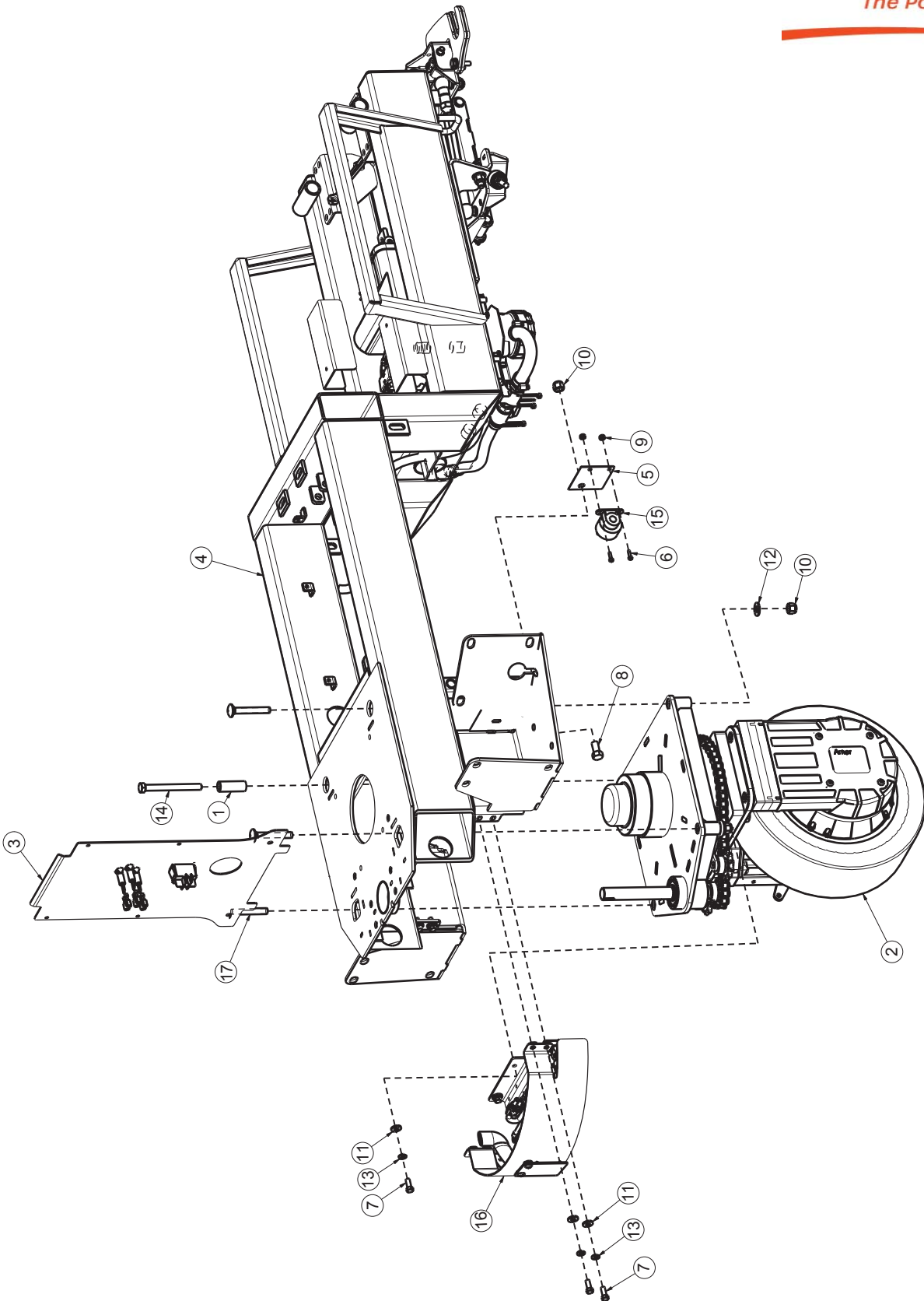
BILL OF MATERIAL - SC2832PBS

ITEM	PART NO.	QTY	DESCRIPTION
1	281020	1	FRONT BUMPER ASSY. - E RIDE 2832
2	281051	1	COUPLING-(2 COUPLERS, 1 SPIDER) 3/4 IN
3	281139	2	COVER, HEADLIGHT BLANK 5", SCV2832
	281990		INSTS-SHT K281900 K281980 K281990 (PLUS MODELS)
4	281246	1	ASSY, REAR COVER, STEERING COLUMN, SPORT
5	281351	1	FLOOR PANEL WELDMENT
6	281671	2	BRACKET, U CHANNEL SPACER
7	281991	1	STEERING COVER, TOP
8	281992	1	STEERING COVER, BOTTOM
9	281999	1	BATT CONN MOUNT WMT, SCV2832
10	383277	2	KEY WOODRUFF 3/16 X 3/4
11	450207	2	LATCH, SOFT #C7-10
12	710180	4	SCR-THMS 1/4-20 X .75 ZP
13	710328	4	SCR-MC RD HD 8-32X.37 STL
14	710385	2	SCR-MC RD HD 1/4-20 X 1.50 STL NI
15	711161	10	SCR-HI/LO 10 X 3/4 STL BLK ZINC
16	711161	2	SCR-HI/LO 10 X .75 BLACK ZINC PAN HD
17	711210	4	BLT-HH 1/4-20 X 1.25 STPL
18	711228	12	BLT-HH 5/16-18 X .75 ST PL
19	711241	11	SCR-HEX 3/8 -16X .75" ZP
20	711242	6	BLT-HH 3/8 -16 X 1.00
21	711373	2	NUT-NYLOC 1/4-20
22	711502	4	WASHER-FLAT #8 ZP
23	711505	17	WASHER-FLAT 1/4 ZP
24	711506	20	WSR-FLT .344 X .690 X .062, STEEL
25	711515	31	WSR-FLAT .406 X .812 X .0625
26	711519	4	WSR- FLAT .25 X 1.01 X .06
27	711542	4	WSR-HELICAL #8
28	711544	14	WSR-HELICAL 1/4
29	711545	20	WSR-HELICAL 5/16
30	711546	20	WSR-HELICAL 3/8
31	712816	6	SCR-MC 10-24 X .37 STPL
32	715501	1	DECAL - MADE IN THE U.S.A.
33	715961	2	DECAL, ADMIRAL 28/32 SPORT
34	740539	1	HOUR METER 10 - 80 VDC
35	281001HG	1	FRONT BUMPER - E RIDE 2832
36	281012PBS	1	ASSY, SOLUTION TANK, ADMIRAL 2832 SPORT
37	281024E	1	STEERING COLUMN COVER - BOTTOM
38	282301E	1	STEERING ASSEMBLY, SCV2832



BILL OF MATERIAL - SC2832PBS

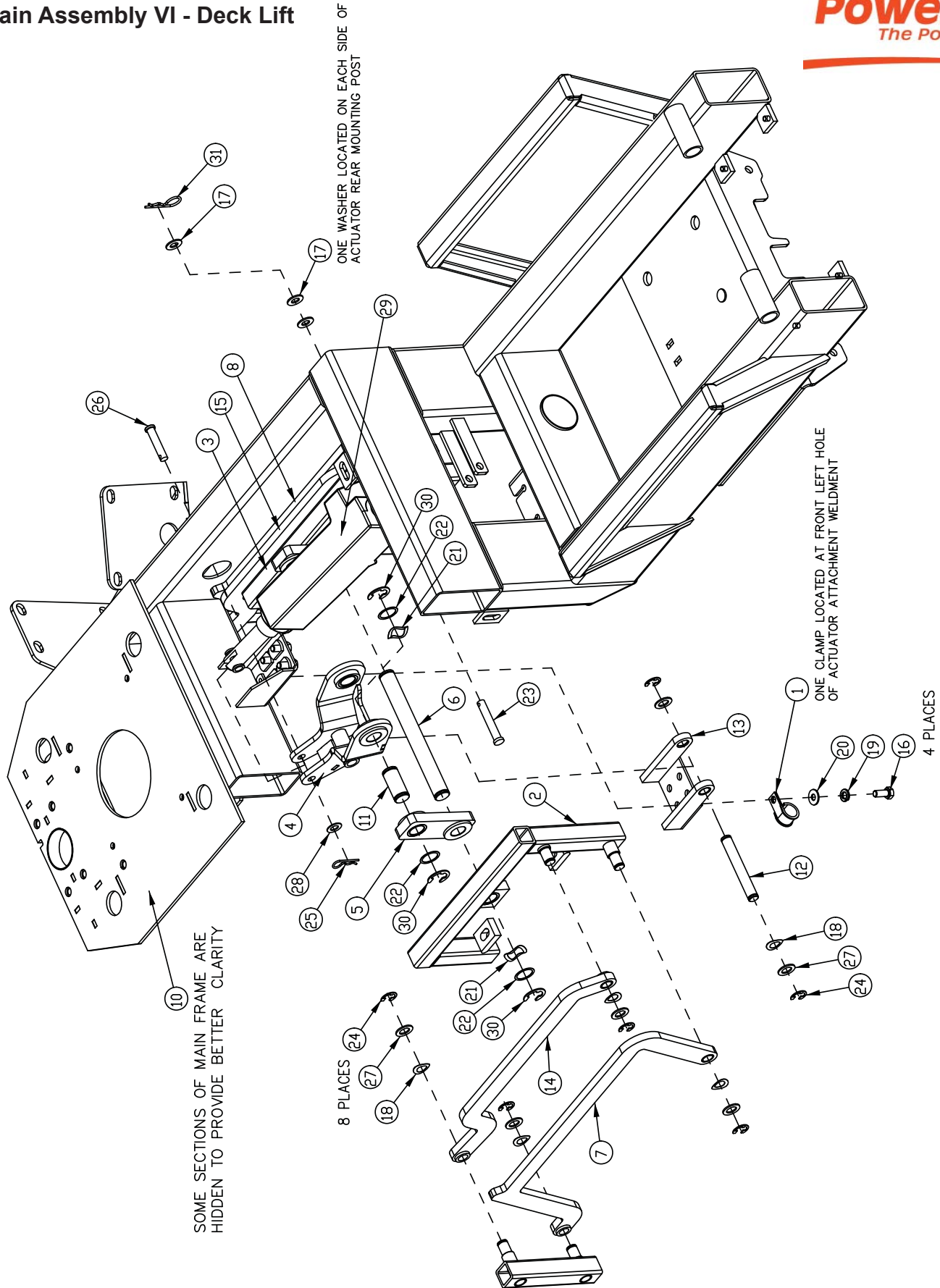
ITEM	PART NO.	QTY	DESCRIPTION
1	281085	1	ASS'Y SEAT, SUPER SUBURBAN
2	711241	11	SCR-HH 3/8-16 X .75 ZP GR 5
3	711546	8	WASHER-LOCK 3/8 SPLIT ZP
4	711515	4	WASHER-FLAT 3/8 X .812 X .0625 ZP
5	831965	1	PIN-CLEVIS 3/8 X 1.63
6	711808	2	PIN-HAIRPIN COTTER #13
7	281012PBS	1	ASSY, SOLUTION TANK, ADMIRAL 2832 SPORT
8	281086	1	SLIDE ASSY KIT
9	281087-1	1	SEAT SWITCH ASSY, SCV2832
10	281376	1	28 SEAT BRACKET WMT
11	711506	20	WASHER-FLAT 5/16 X .688 ZP
12	711545	20	WASHER-LOCK 5/16 SPLIT ZP
13	711319	4	NUT-HEX 5/16-18 ZP



BILL OF MATERIAL - SC2832PBS

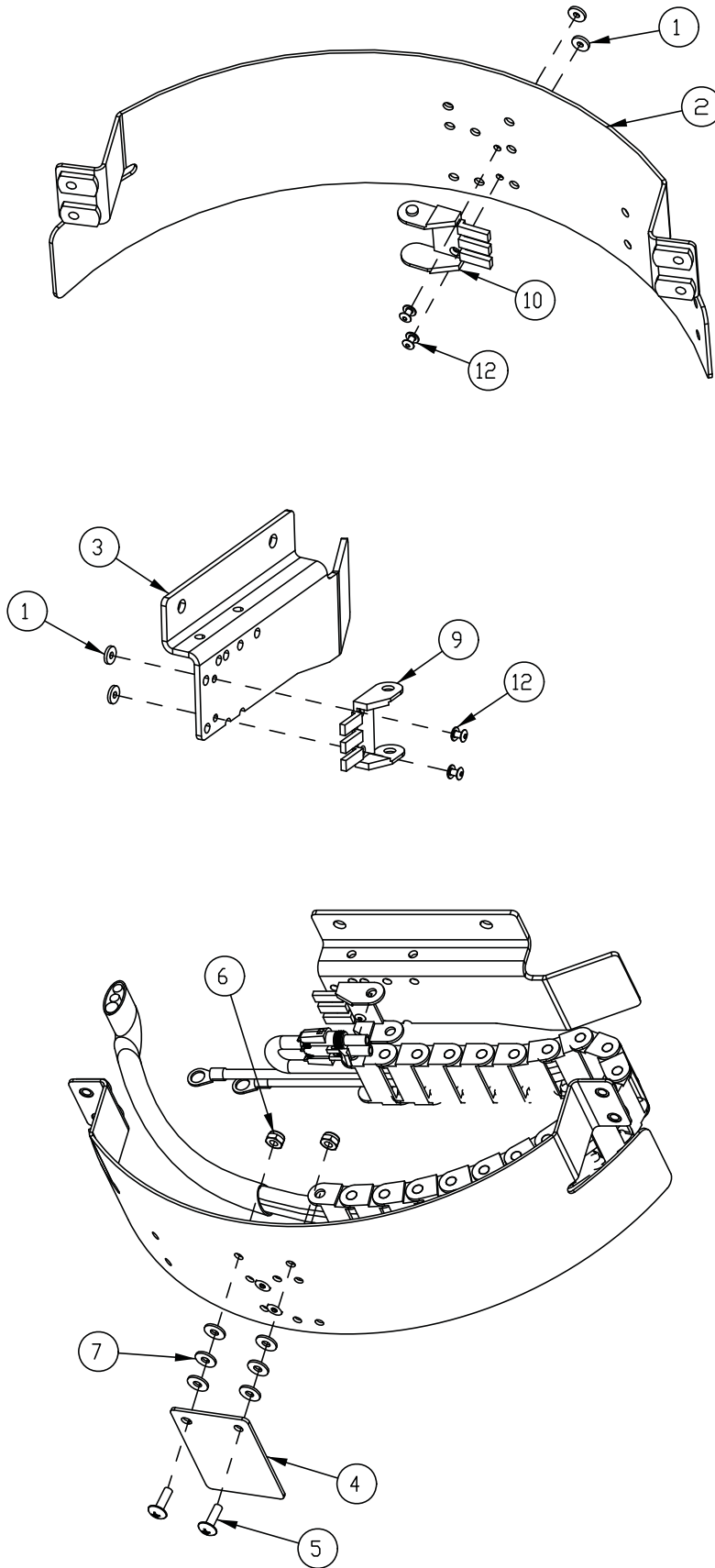
ITEM	PART NO.	QTY	DESCRIPTION
1	260125	1	BUSHING-YOKE .407 X 1.687 STL ZINC
2	281189	1	FRONT DRIVE ASSY - E RIDE 2832
3	281246	1	ASSY, REAR COVER, STEERING COLUMN, SPORT
4	281300	1	MAIN FRAME - E RIDE 2832
5	281996	1	BKT, MOUNT FOR HORN, SCV2832
6	710204	2	SCR-PHMS 6-32 X .50 ZP
7	711203	6	SCR-HH 1/4-20 X .62 ZP TAP
8	711241	1	SCR-HH 3/8-16 X .75 ZP GR 5
9	711371	2	NUT-NYLOC 6-32 ZP
10	711380	7	NUT-NYLOC 3/8-16 ZP
11	711505	7	WASHER-FLAT 1/4 ZP
12	711515	8	WASHER-FLAT 3/8 X .812 X .0625 ZP
13	711544	6	WASHER-LOCK 1/4 SPLIT ZP
14	713051	1	SCR-HH 3/8-16 X 3.75 ZP GR 5
15	748200	1	HORN / BACK UP ALARM, 9-48VDC
16	748360	1	FRONT MOTOR CABLE ASSY- ER2832
17	711254-1	3	BLT-CARR 3/8-16 X 2.50 ZP GR 5

Main Assembly VI - Deck Lift

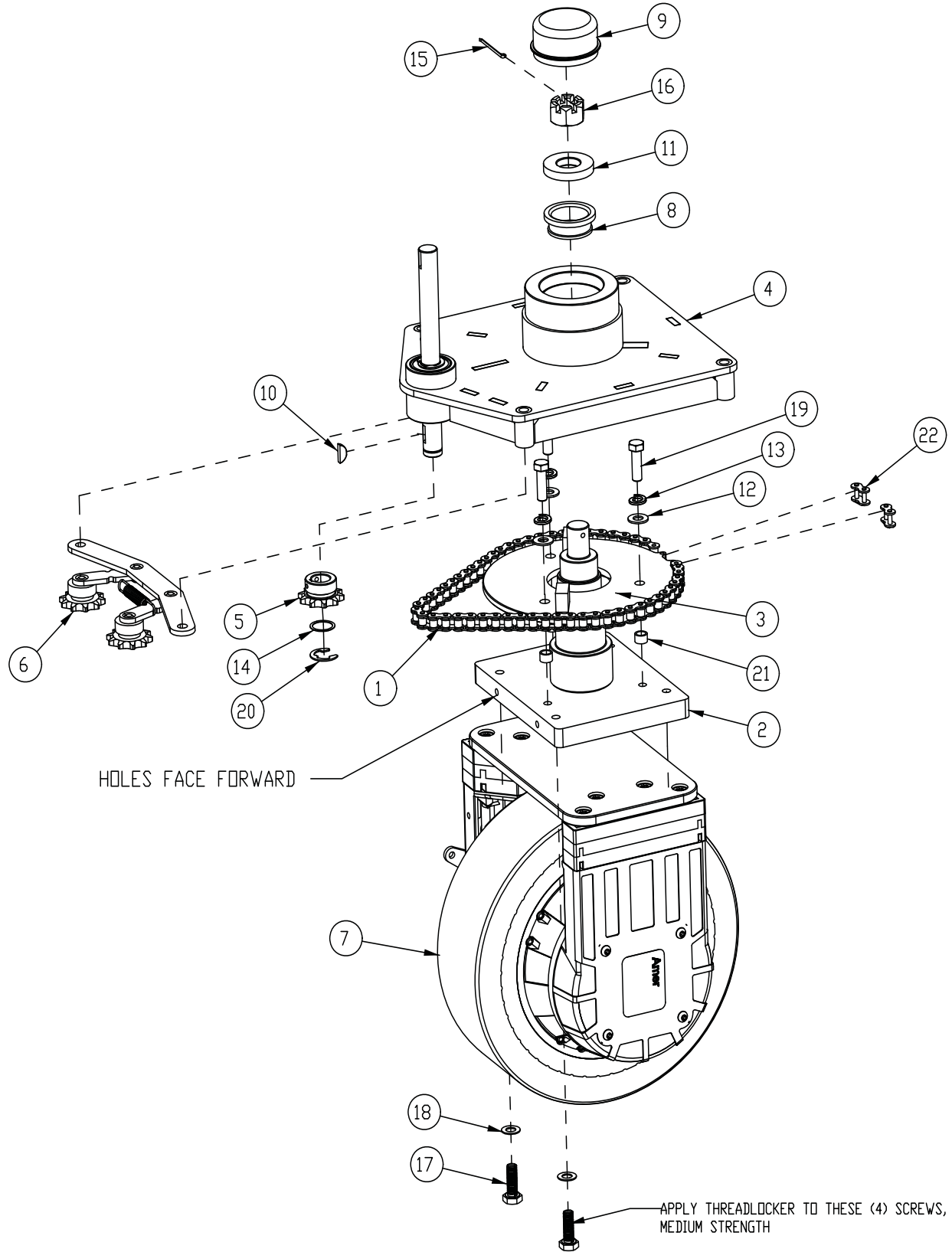


BILL OF MATERIAL - SC2832PBS

ITEM	PART NO.	QTY	DESCRIPTION
1	82-54-A	1	CLAMP, MS21333-114
2	241468	1	LEFT LIFT WELDMENT W/BUSHING
3	241470	1	RIGHT LIFT WELDMENT W/BUSHING
4	281161	1	ACTUATOR CRANK ASSEMBLY
5	281171	2	ACTUATOR LIFT LINK ASSEMBLY
6	281174	1	LINK AT TACHMENT SHAFT
7	281175	1	LOWER LINK ASSY, LEFT
8	281176	1	LOWER LINK ASSY, RIGHT
9	281211	2	SNUBBING WSR (NOT SHOWN)
10	281300	1	MAIN FRAME
11	281458	2	LINK AT TACHMENT SHAFT
12	281459	1	CRANK PIVOT SHAFT
13	281471	1	ACTUATOR ATM'T WMT W/ BUSHING ASSY
14	281477	1	UPPER LINK ASSY, LEFT
15	281478	1	UPPER LINK ASSY, RIGHT
16	711228	4	BLT-HH 5/16-18 X .75 ST PL
17	711515	3	WSR-FLAT .406 X .812 X .0625
18	711524	9	WSR-WAVE .52 X .87 X .01
19	711545	4	WSR-HELICAL 5/16
20	711575	4	WSR-FLT .31x.75x.06ST
21	711583	4	WSR-WAVE .78 X 1.00 X .02
22	711588	7	WASHER - FLAT, .76 ID X 1.00 OD X .020
23	711678	1	CLEVIS PIN 3/8 X 2-1/4
24	711713	10	RETAINING RING - "E" TYPE EXT .500
25	711808	1	COTTER PIN-HAIR #13
26	712124	1	CLEVIS PIN, 3/8 X 1-3/4
27	712310	10	WSR- FLAT .52 X .87 X .06 PL
28	712767	1	FLAT WASHER .406 ID X .75 OD X .
29	740819-2	1	ACTUATOR ASSY, 50mm 4000N 24/36VDC
30	809148	6	RETAINING RING - "E" TYPE EXT .75
31	833374	1	PIN, HAIRPIN COTTER 3/8

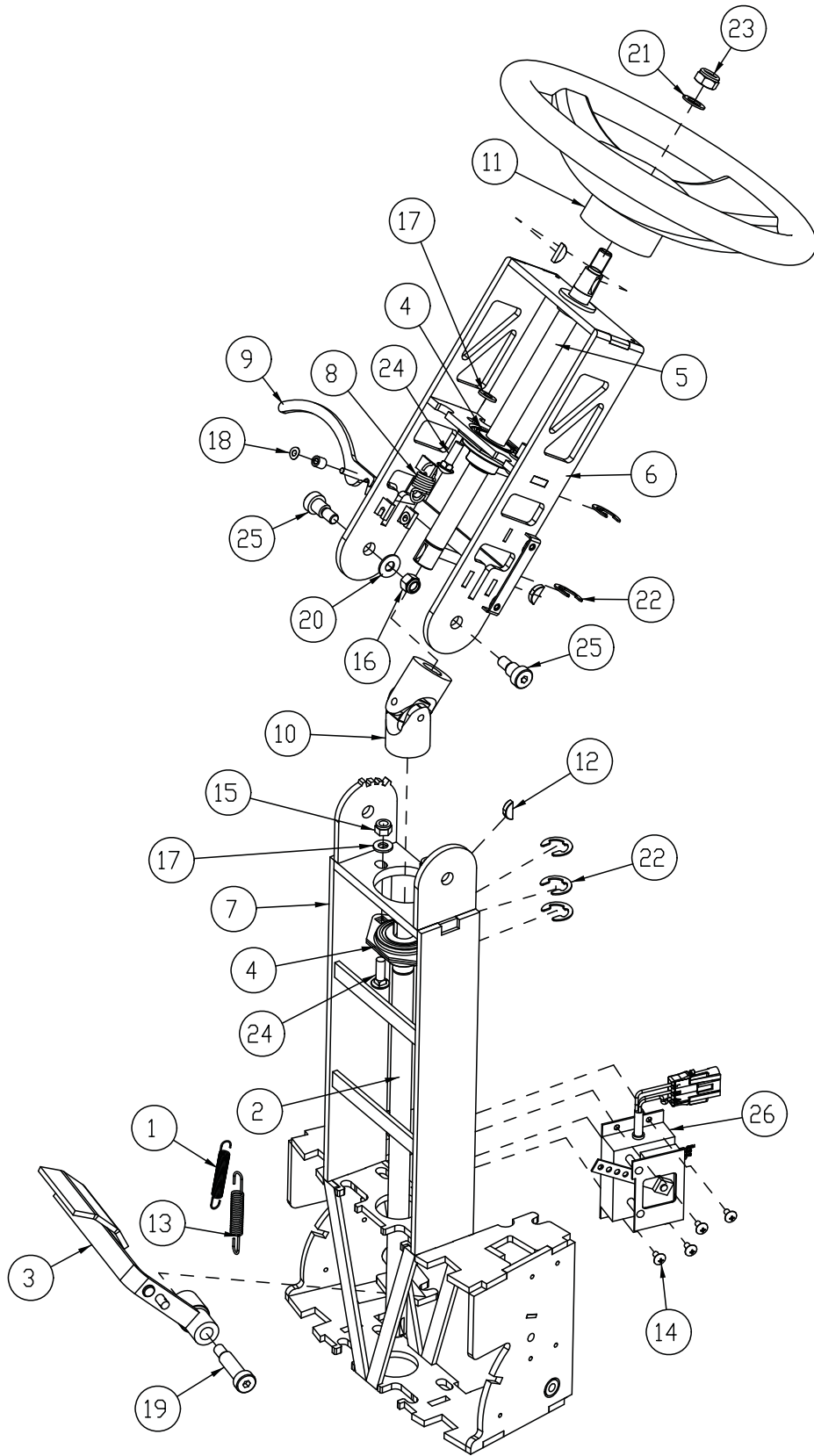


BILL OF MATERIAL - 748360			
ITEM	PART NO.	QTY	DESCRIPTION
1	950-4-S	4	BACKUP PLAT E - RIVET
2	281188	1	FRONT BRACKET - CABLE GUIDE
3	281192	1	BRACKET - DRIVE MOTOR
4	281237	1	COVER PLATE
5	710154	2	SCR-MC TR HD 10-32 X .625 SS
6	711350	2	NUT-NYLOC 10-32
7	712764	6	WSR #10 SS
8	748020	1	CNCTR, PACKARD 2 COND MALE
9	748219-2	1	CABLE GDE, MNT BRKT- BORE
10	748219-3	1	CABLE GUIDE, MOUNT BRACKET- PIN
11	748344	1	WIRE ASSY, DRIVE MOTOR
12	827666	4	RIVET-POP



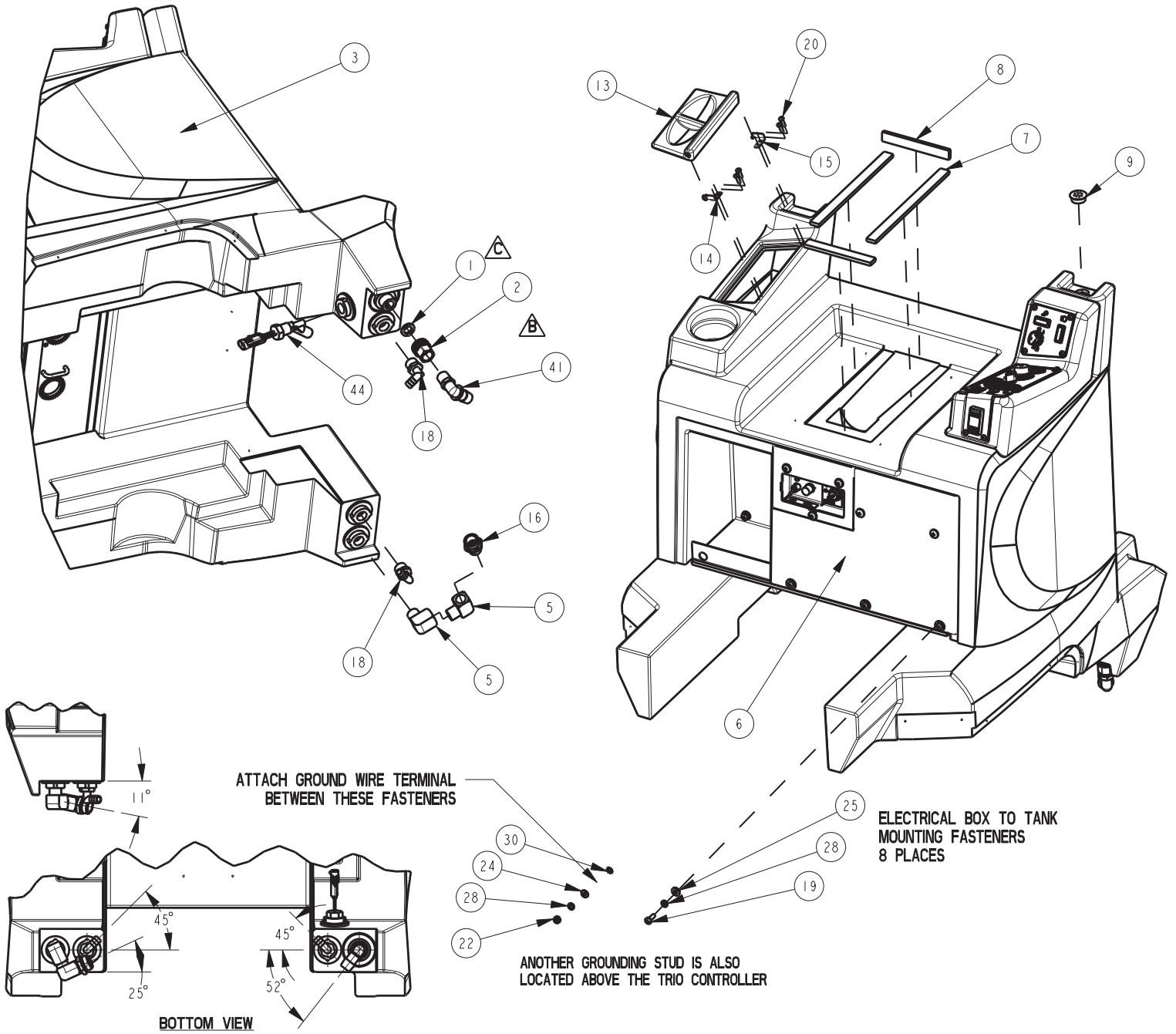
BILL OF MATERIAL - 281189

ITEM	PART NO.	QTY	DESCRIPTION
1	281054	1	CHAIN, STEERING No. 40, 27.5"
2	281190	1	SPINDLE WELDMENT
3	281254	1	STEERING DISC WMT
4	281257	1	FRONT DRIVE W/ BEARING ASSY
5	281268	1	SPROCKET-RC #40, 10 TEETH, 3/4" BORE
6	281285	1	IDLER ASSY, FRONT DRIVE
7	281400	1	DRIVE MOTOR - AMER
8	383077	1	BEARING CONE (LM104949)
9	383250	1	GREASE CAP
10	383277	1	KEYWOODRUFF 3/16 X 3/4
11	383364	1	THRUST WASHER
12	711515	3	WSR-FLAT .406 X .812 X .0625
13	711546	3	WSR-HELICAL 3/8
14	711588	1	WASHER - FLAT , .76 ID X 1.00 OD X .020
15	711807	1	COTTER PIN .12 X 1.75
16	712113	1	CASTLE NUT
17	712330	4	METRIC HEX CAP SCREW M10x1.5x30
18	712767	4	FLAT WASHER .406 ID X .75 OD X .
19	713043	3	BLT-HH 3/8-16 X 1 1/4 #5
20	809148	1	RETAINING RING - "E" TYPE EXT .75
21	809247	3	STEERING PLATE SPACER
22	833629	2	MASTER LINK ASSY

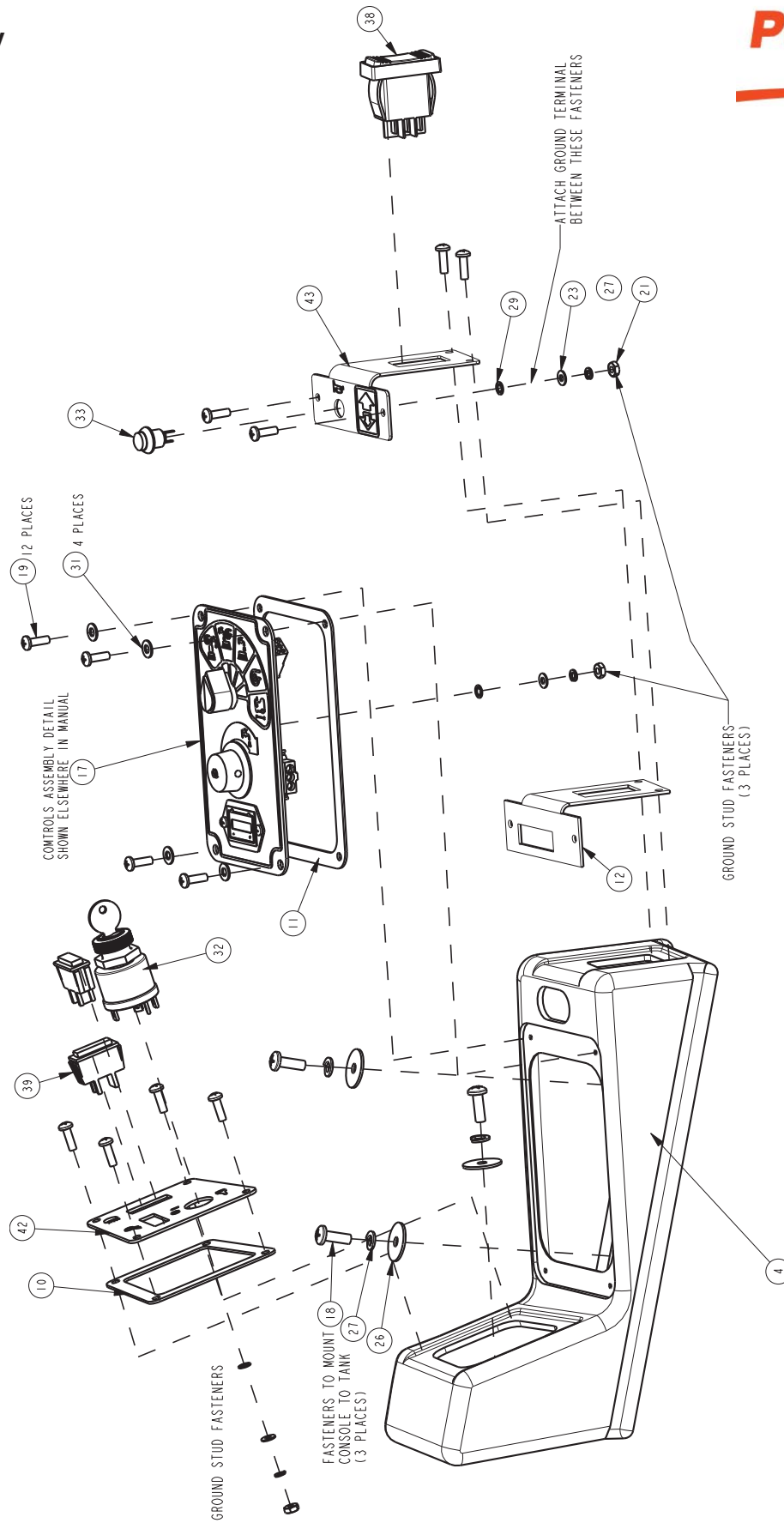


BILL OF MATERIAL - 282301

ITEM	PART NO.	QTY	DESCRIPTION
1	281047	1	SPRING, EXTENSION - 2.75"
2	281328	1	SHAFT,LOWER STEERING
3	281331	1	ACCEL PEDAL WMT
4	281392	2	BEARING FLANGE ASSEMBLY 3/4 (MCH)
5	281484	1	SHAFT,UPPER ST EERING
6	281989	1	STEERING ASSY, TOP
7	282302	1	STEERING WELDMENT, LOWER
8	282303	1	SPRING - EXTENSION 1.375" F.L.
9	282309	1	ADJUSTMENT LEVER AND PIVOT PIN ASSY
10	383098	1	UNIVERSAL JOINT
11	383152	1	STEERING WHEEL
12	383277	3	KEYWOODRUFF 3/16 X 3/4
13	430051	1	RETURN SPRING-3.00"
14	710153	4	SCR-MC 10-32X.37
15	711374	2	NUT-NYLOC 5/16-18
16	711380	2	NUT-NYLOC 3/8-16 NUT
17	711506	4	WSR-FLT .344 X .690 X .062, STEEL
18	711521	2	WSR-WAVE .21 X .44 X .02
19	712102	1	BLT- SHLDR 1/2 X 1-1/2
20	712301	2	WSR-FLAT .37 X .87 X .06
21	712310	1	WSR- FLAT .52 X .87 X .06 PL
22	809148	5	RETAINING RING - "E" TYPE EXT .75
23	363-816	1	NUT NYLOC 1/2-20
24	70-516-16	4	BLT-CAR 5/16-18 X 1.00 ZP
25	712099PLT	2	BLT- SHLDR 1/2 X 1/2 ZINC PLT
26	748013-2	1	POTENTIOMETER BOX ASSEMBLY

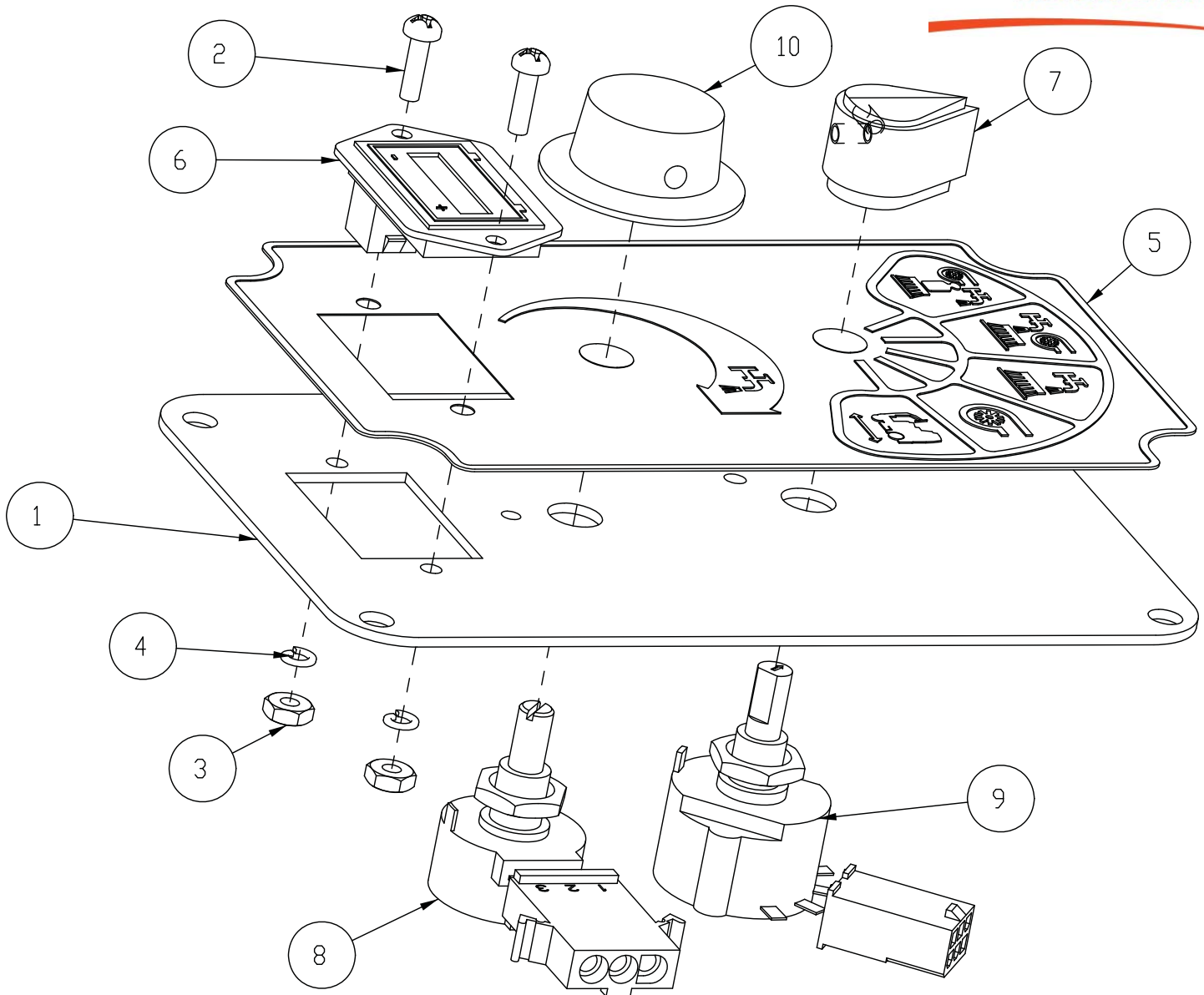


Console Assembly



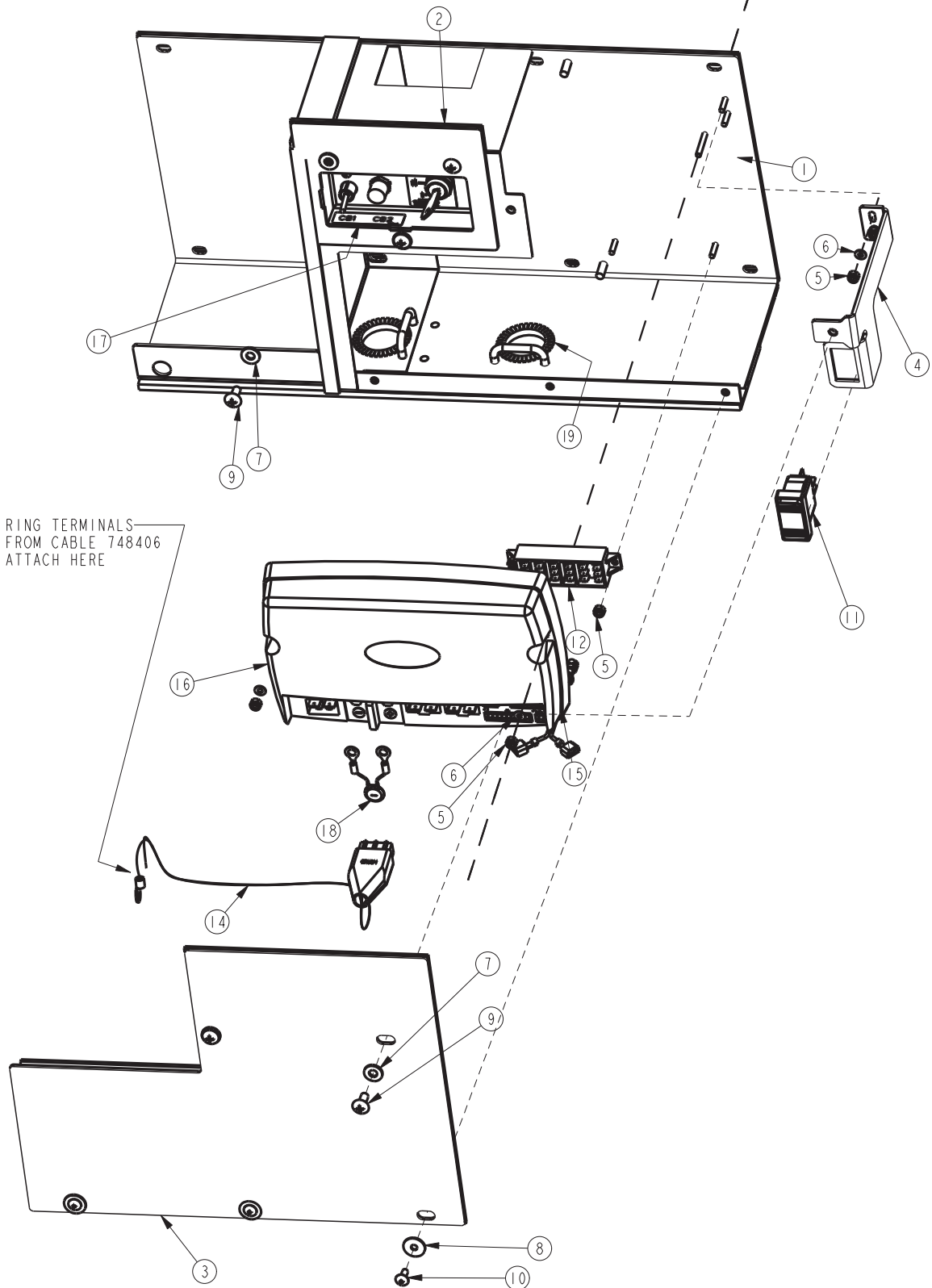
BILL OF MATERIAL - 281012PBS

ITEM	PART NO.	QTY	DESCRIPTION
1	200024	1	WSR-GH, BLACK PVC
2	241825	1	SWIVEL ADAPTOR - BR, 3/4 FGHT X 1/2 FPT
3	281002PB	1	SOLUTION TANK - ADMER28/32
4	281005PB	1	CONSOLE ADMER2832
5	281093	2	FTG-ELBOW 90 ST 1/2 MPT X 1/2 FPT BRASS
6	281224	1	ASSY, ELEC BOX, E-RIDE 2832 SPORT
7	281363	2	SEAT GASKET - LONG
8	281364	2	SEAT GASKET - SHORT
9	281371	1	PLUG-VENT
10	281372	1	GASKET - IGNITION SWITCH PANEL
11	281373	1	GASKET - MEMBRANE SWITCH
12	281375	1	GASKET - DIRECTION SWITCH
13	281380	1	COVER-SOLUTION TANK PLASTIC
14	281381	1	SOLN TANK HINGE SUB-ASSY - RIGHT
15	281382	1	SOLN TANK HINGE SUB-ASSY -LEFT
16	281426	1	COUPLING-3/4" HOSE X 1/2" MPT
17	281498	1	SELECTOR SWITCH ASSEMBLY, SCV2832
18	383449	2	FTG-ELBOW 90 1/2 MPT X 1/2 HB BRASS
19	710380	11	SCR-RHMS 1/4-20 X .75 ZP
20	711161	10	SCR-HI/LO 10 X .75 BLACK ZINC PAN HD
21	711304	3	NUT-HEX 8-32 ZP
22	711316	2	NUT-HEX 1/4-20 ZP
23	711502	2	WASHER-FLAT #8 ZP
24	711504	2	WASHER-FLAT 1/4 SS
25	711505	18	WASHER-FLAT 1/4 ZP
26	711519	4	WASHER-FLAT 1/4 X 1.00 X .06 ZP
27	711542	4	WASHER-LOCK #8 SPLIT ZP
28	711544	14	WASHER-LOCK 1/4 SPLIT ZP
29	711552	3	WASHER-INT LOCK #8
30	711564	2	WASHER-EXT LOCK 1/4 ZP
31	712320	4	WASHER-FLAT 20 X .45 X .048 NYLON
32	742927	1	SWITCH, KEY 2 POLE
33	748047	1	SWITCH, PUSH BUTTON (HORN SCV 36V)
38	748151	1	SWITCH, ON-ON DPDT (FWD/REV)
39	748154	2	SWITCH-BLANK .43x1.2 (742716)
41	3315536	1	FTG-ELBOW 90 1/2 MPT X 3/4 HB PP
42	281378SP	1	KEY SWITCH PLATE SCREEN PRINTED
43	281497SP	1	DIRECTION CONTROL PANEL SCR N PRNTSCV2832
44	742708-4	1	FLOAT SWITCH, W/WEATHERPACK
45	748138E	1	WIRE HARNESS, SCV2832E FRONT



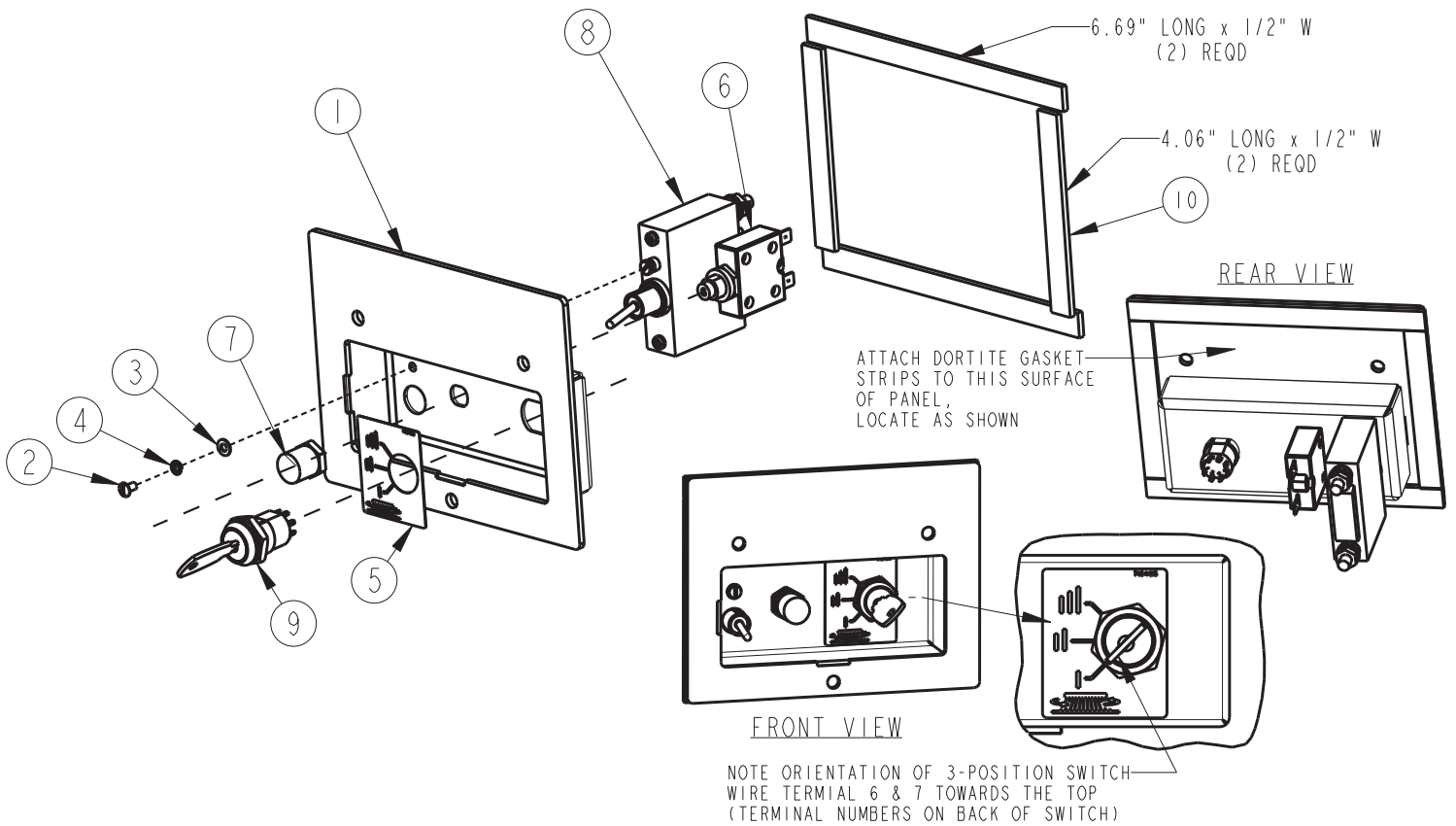
BILL OF MATERIAL - 281498

ITEM	PART NO.	QTY	DESCRIPTION
1	281499	1	BKT , CONTROLS
2	710204	2	SCR-M C 6-32 X .50 ST PL PAN HD
3	711301	2	NUT -HEX 6-32 ST PL
4	711541	2	WSR-HELICAL #6 ST PL
5	715455	1	DECAL, CONT ROLS
6	747011	1	BATTERY GAUGE, TRUCHARGE
7	747020	1	KNOB-M ODE SELECT OR
8	747025	1	POTENTIOMETER ASSY WATERFLOW
9	747027	1	SWITCH ASSY, MODE SELECTOR
10	809874	1	KNOB, SPEED CONTROL



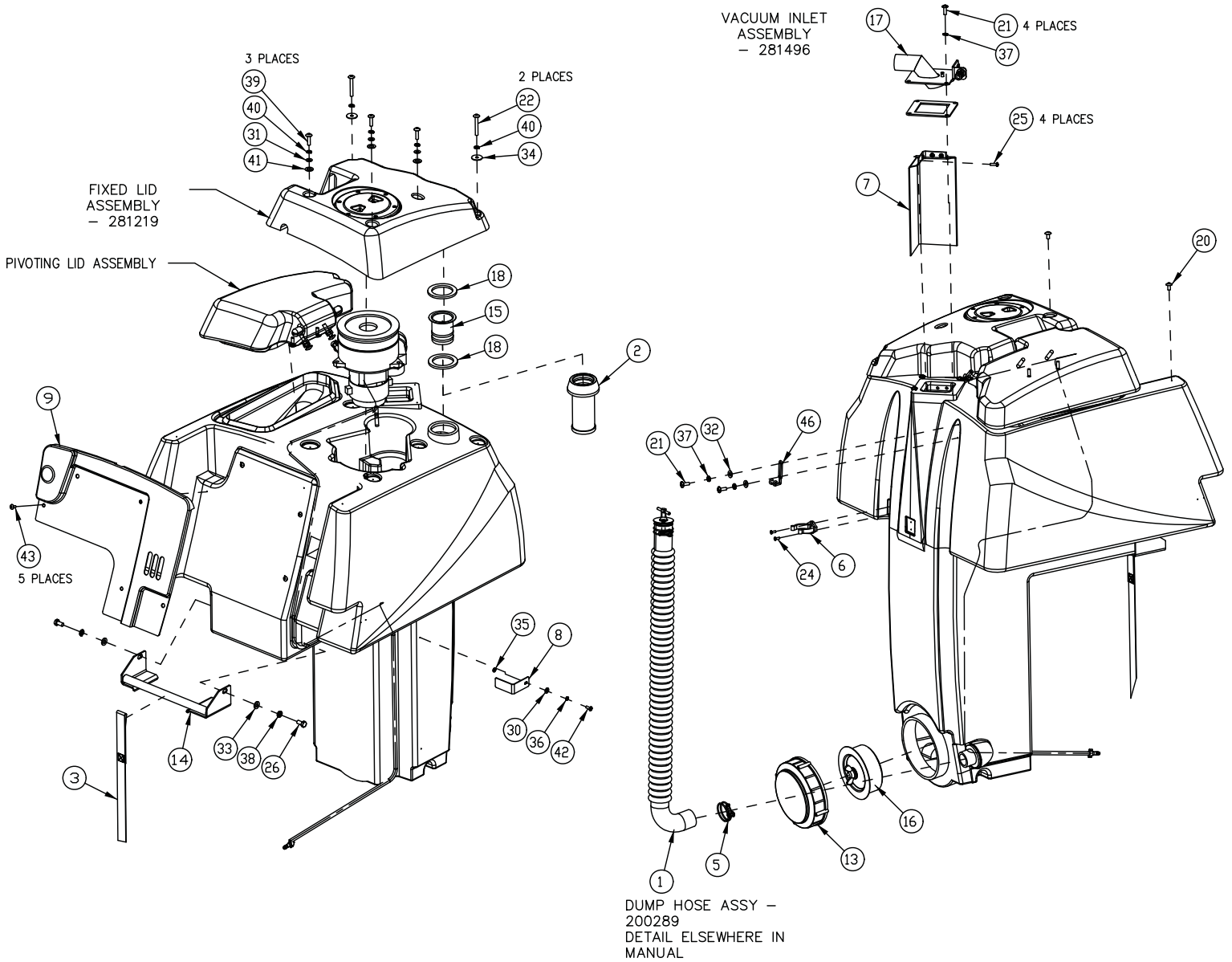
BILL OF MATERIAL - 281224

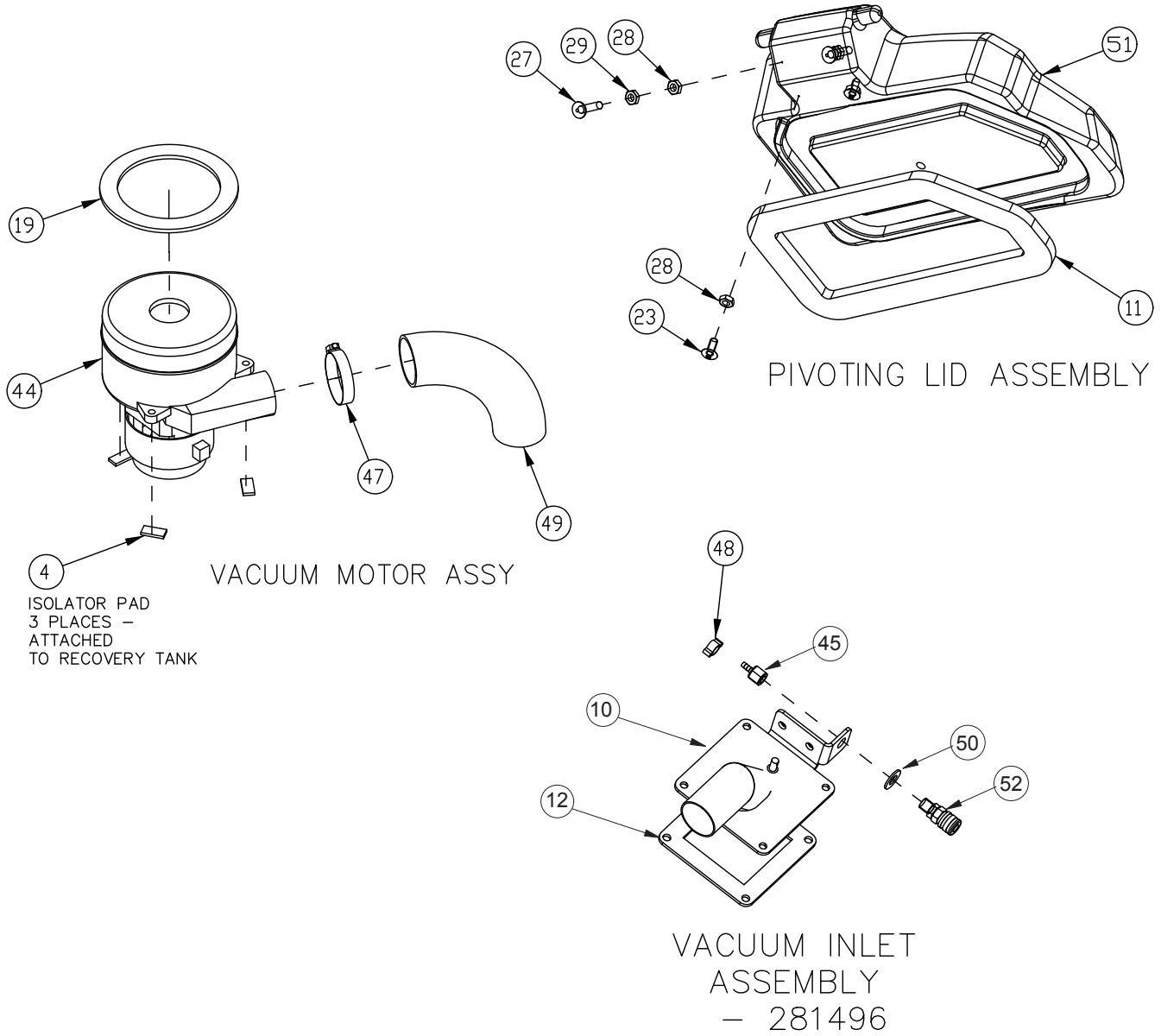
ITEM	PART NO.	QTY	DESCRIPTION
1	281229	1	ELECTRICAL BOX WELDMENT - E RIDE 2832
2	281245	1	ASSY, CONTROL PANEL, BRKR & KEY SWITCH
3	281412	1	ELECTRICAL COVER PANEL
4	281982	1	BKT, ELEC BOX, SCV2832
5	711372	2	NUT-NYLOC 8-32 ZP
6	711502	2	WASHER-FLAT #8 ZP
7	711505	18	WASHER-FLAT 1/4 ZP
8	711748	3	WASHER-FLAT #10 X .75 SS
9	712565	2	SCR-THMS 1/4-20 X .62 SS
10	712822	3	SCR-THMS 10-24 X .50 SS
11	748152	1	SW DPDT MOMENTARY ON-OFF-ON SCV2832E DE
12	748153	1	TERMINAL BLOCK-C=4 P=4/C=1 P=8
13	748318	1	DUAL QC WIRE, ERIDE 28/32 SPORT
14	748406	1	WIRE ASY, BRUSH MOTOR ER2832
15	748432	1	WIRE ASY, Y-SPLIT 1/4" QC
16	748721	1	CONTROLLER, TRIO + WET (FLOODED) BAT
17	715641-2	1	DECAL, CIRCUIT BREAKER ID
18	748269-1	1	VARISTOR ASY, RING TERMINALS 1/4"
19	281449	1	SERRATED GROMMET STRIP - .187IN



BILL OF MATERIAL - 281245			
ITEM	PART NO.	QTY	DESCRIPTION
1	281234	1	CONTROL PANEL, WELD, BRKR & KEY SWITCH
2	710202	1	SCR-PHMS 6-32 X .25 ZP
3	711501	1	WASHER-FLAT #6 X .375 ZP
4	711541	1	WASHER-LOCK #6 SPLIT ZP
5	715465	1	DECAL, DISK SPEED, KEY-SWITCH
6	742350	1	CIRCUIT BREAKER- 6.0AMP PUSH BUTTON
7	742748	1	CIRCUIT BREAKER-BOOT
8	748012	1	CIRCUIT BREAKER- 100A
9	748422	1	HARNES, WIRE, BRUSH SPEED KEY SWITCH
10	830557	1.67	DORTITE 1/2 INCH RM 1 F

Recovery Tank Assembly I



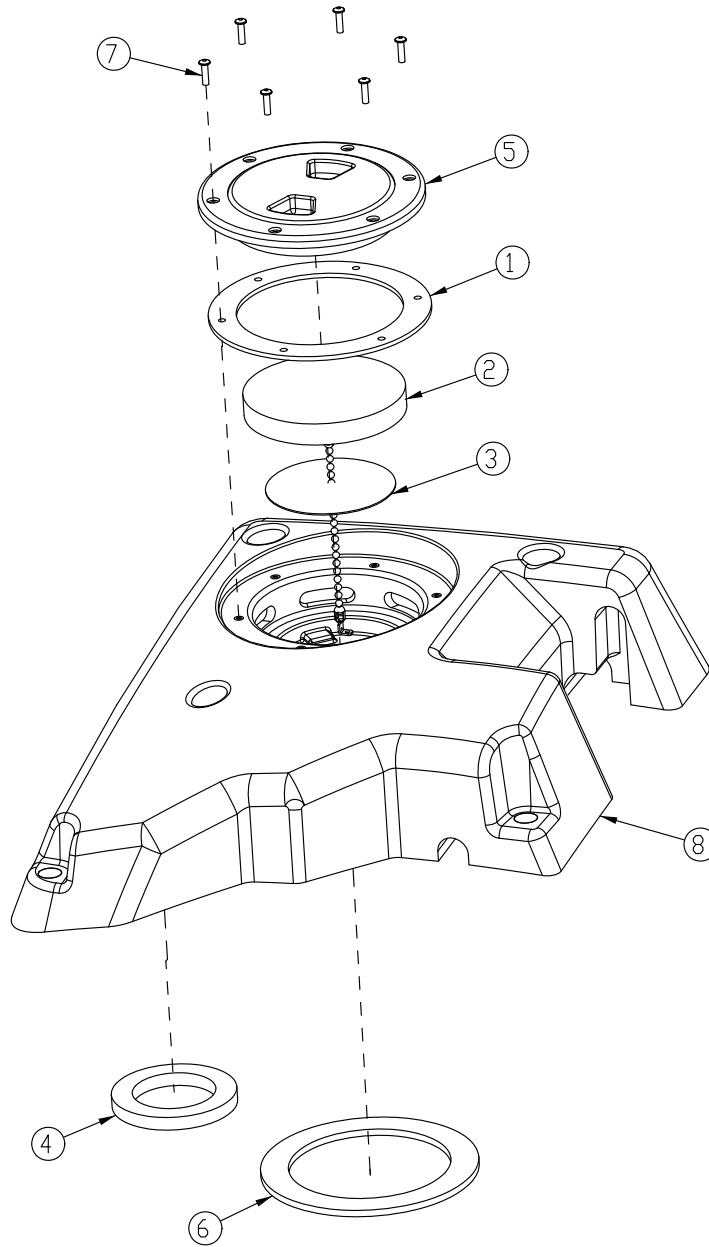


BILL OF MATERIAL - 281010PB

ITEM	PART NO.	QTY	DESCRIPTION
1	200289	1	DUMP HOSE ASM
2	241060	1	SCREENED FLOAT
3	241433	1	RECOVERY TANK SAFETY STRAP
4	241748	3	ISOLATOR PAD - 1" LENGTH USE 830557
5	3303255	1	CLAMP-HOSE 1.75 DIA NOMINAL
6	260579	1	TOOL CLIP, 1.5: HOSE
7	281019	1	DEFLECTOR
8	811022	3	BRACKET, TANK SC2832
9	281099	1	WIRE COVER
10	281490	1	VAC INLET WMT, SCV2832
11	281358	1	GASKET, MOVABLE LID - SCV
12	281951	1	DIVERTER BOTTOM GASKET
13	281432	1	CAP 6" CLEANOUT SCV
14	281437	1	STRAP HOLDER WMT
15	281439	1	SHUTOFF FLANGE TUBE
16	281444-1	1	STOPPER PLUG ASSY
17	281496	1	VAC INLET ASSY, SCV 2832
18	281950	2	FLOAT CAGE GASKET
19	380035	1	MOTOR GASKET
20	710178	2	SCR - MC 1/4-20 X .50 TRUSS ST PL
21	710180	6	SCR - MC TR HD 1/4-20 X .75 STL ZINC
22	710190	2	SCR - MC 1/4-20 X 2.00 TRUSS PL SS
23	710197	2	SCREW TRUSS HEAD 5/16-18 X .75 PH ZP
24	710530	2	SCR - MC FL HD 8-32 X .50 BRS
25	711161	4	SCR - HI/LO 10 X 3/4 STL BLK ZINC
26	711227	2	BLT - HH 5/16-18 X .62 ST PL

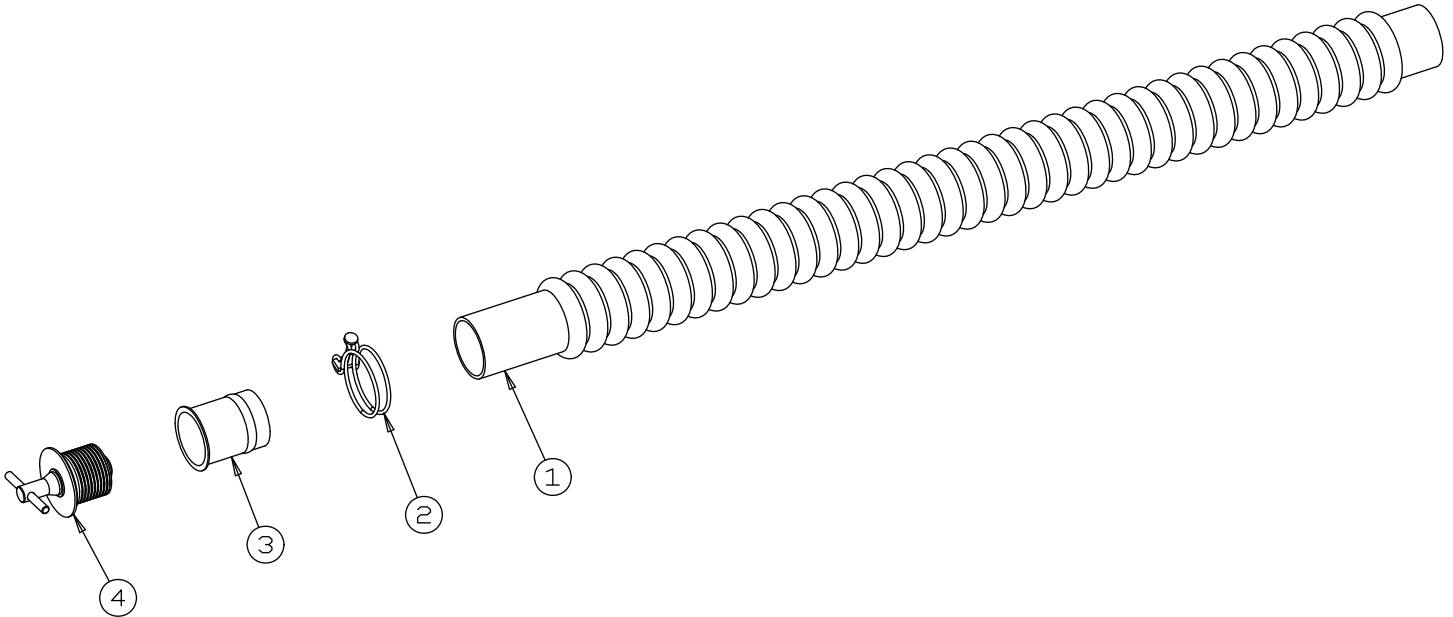
BILL OF MATERIAL - 281010PB

ITEM	PART NO.	QTY	DESCRIPTION
27	711256	2	5/16-18 X 1.5 CARRIAGE BOLT SS
28	711319	4	5/16-18 HEX NUT
29	711420	2	NUT - HEX JAM 5/16-18 ST PL
30	711503	3	WSR, FLAT #10
31	711504	3	WSR - FLAT 1/4 ID SS
32	711505	2	1/4 FLAT WASHER, STEEL
33	711506	2	WSR - FLT .344 X .690 X .062 STEEL
34	711519	2	WSR - FLAT .25 X 1.01 X .06
35	711534	3	WSR - EXTERNAL LOCK #10
36	711543	3	WSR - HELICAL #10
37	711544	6	WSR - HELICAL 1/4
38	711545	2	WSR - HELICAL 5/16
39	712541	3	SCR - MC 1/4-20 X 1.00 TH SS
40	712758	5	WSR - HELICAL 1/4 SS
41	712767	3	FLAT WASHER .406 ID X .75 OD
42	712811	3	SCR - MC RD HD 10-24 X .50 ST PL
43	712822	5	SCR - MC TR HD 10-24 X .50 SS
44	742771-1	1	VAC MOTOR ASSY, 36VDC 3-STAGE
45	450223	1	FTG-ADAPTER 1/8 FPT X 1/8 HB BRASS
46	760286	1	HOOK, WIRE FORMED
47	760859	1	CLAMP, HOSE
48	830082	1	HOSE CLAMP 3/8
49	833191	1	HOSE RUBBER FLEX 2 X 9
50	711515	1	WASHER-FLAT 3/8 X .812 X .0625 ZP
51	281007HG	1	LID - PIVOTING, E RIDE 2832
52	450221	1	COUPLER-QUICK CONNECT, 1/8MPT



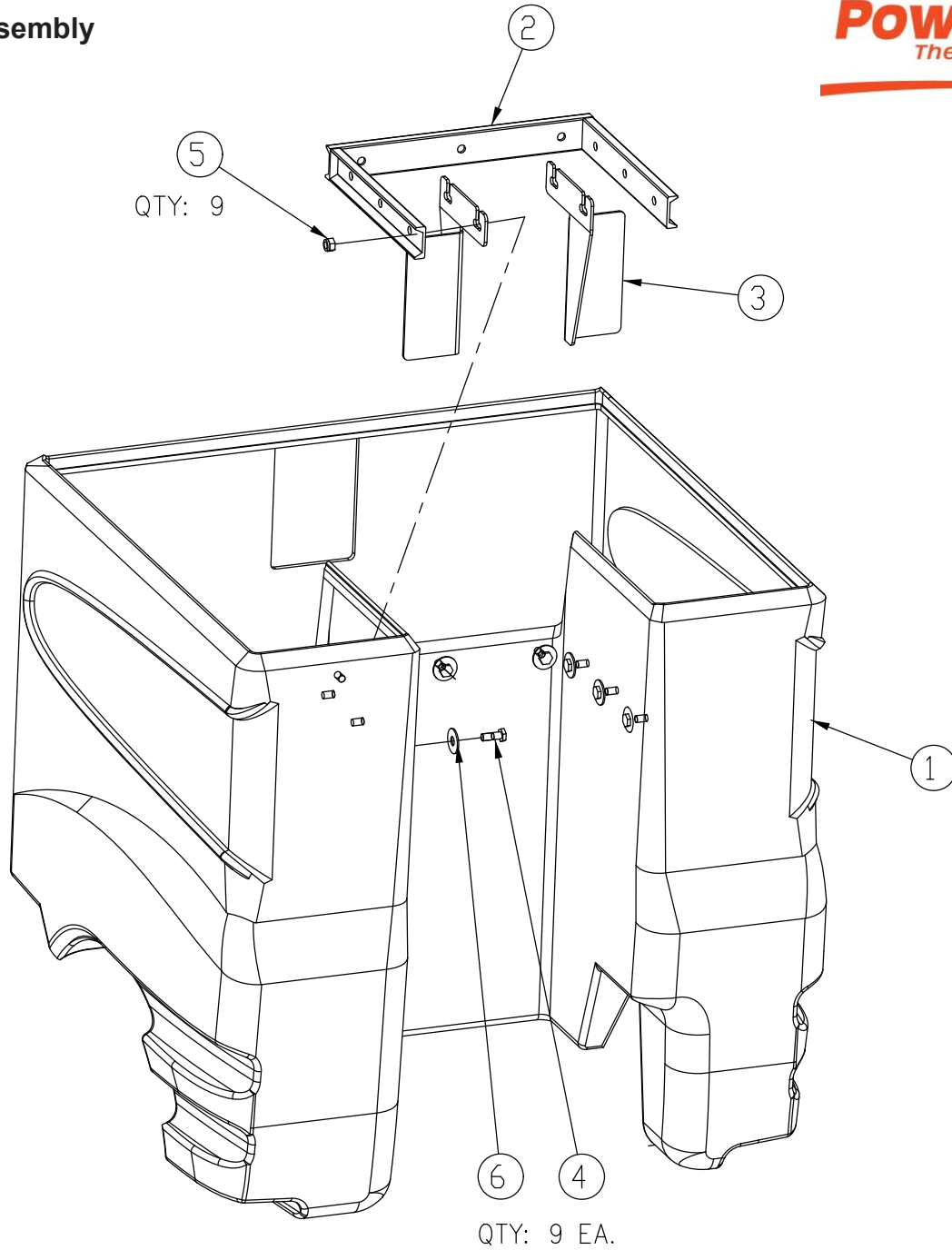
BILL OF MATERIAL - 281219

ITEM	PART NO.	QTY	DESCRIPTION
1	281018	1	GASKET , NEO 6.00 X 4.50 X .125
2	281055	1	VAC MOTOR FILTER
3	281056	1	VAC MOTOR INLET SCREEN
4	281073	1	INLET GASKET
5	281423	1	FILL CAP W/CHAIN ASSY 4.00
6	380035	1	MOTOR GASKET
7	712516	6	SCR-BHCS #8-32 x .62 SS
8	281006HG	1	LID - FIXED



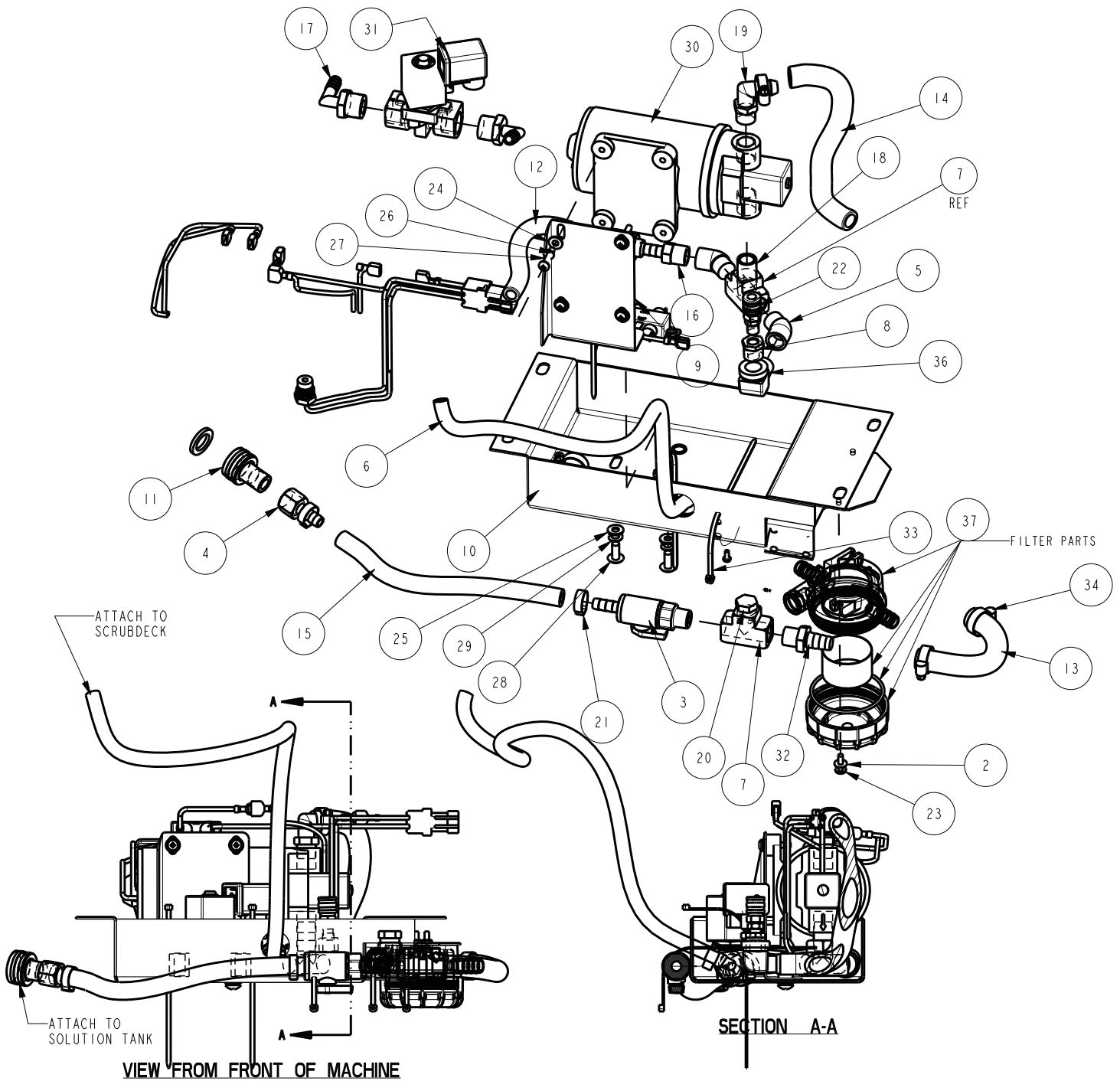
BILL OF MATERIAL - 200289			
ITEM	PART NO.	QTY	DESCRIPTION
1	200198	1	DUMP HOSE
2	3303255	1	CLAMP-HOSE 1.75 DIA NOMINAL
3	760343	1	TUBE, HOSE - 24/32B
4	833316	1	DRAIN PLUG

Battery Box Assembly



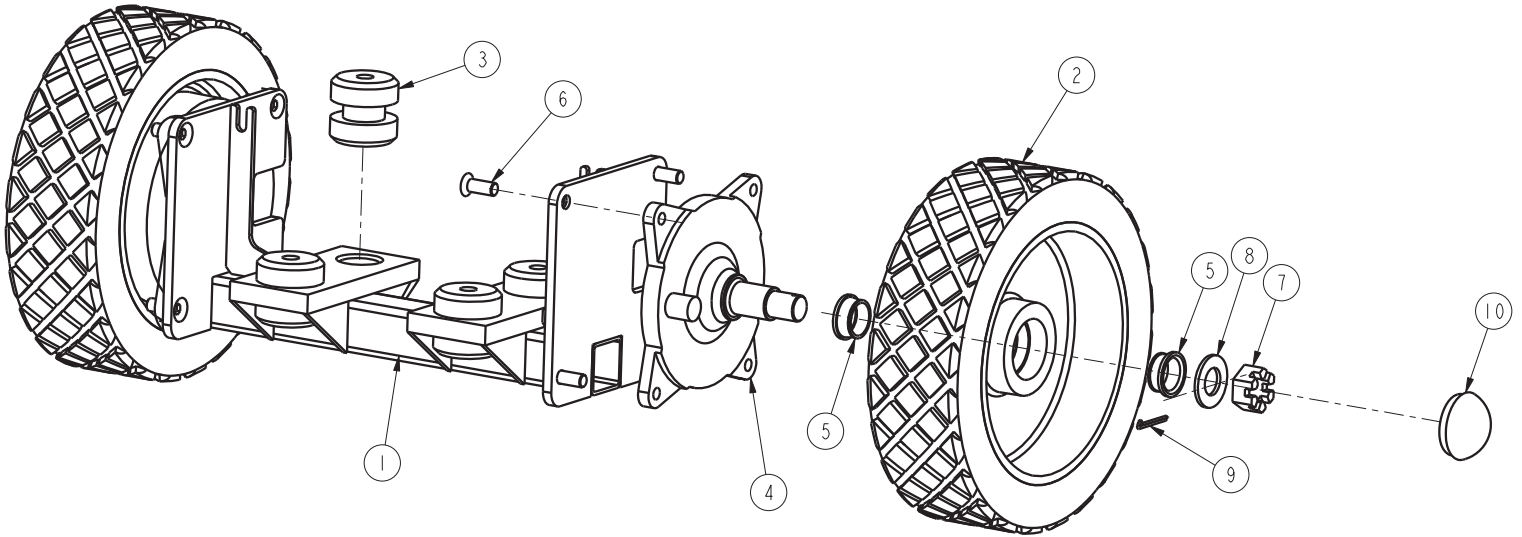
BILL OF MATERIAL - 281014PB

ITEM	PART NO.	QTY	DESCRIPTION
1	281004PB	1	BATTERY TRAY - ER2832
2	281059	1	BATTERYBOX STIFFENER WM'T
3	281672	2	BKT, BATTERYSTOP
4	711229	9	BLT-HH 5/16-18 x .875
5	711374	9	NUT-NYLOC 5/16-18
6	711507	9	WSR-FLAT .37 X 1.12 X .06

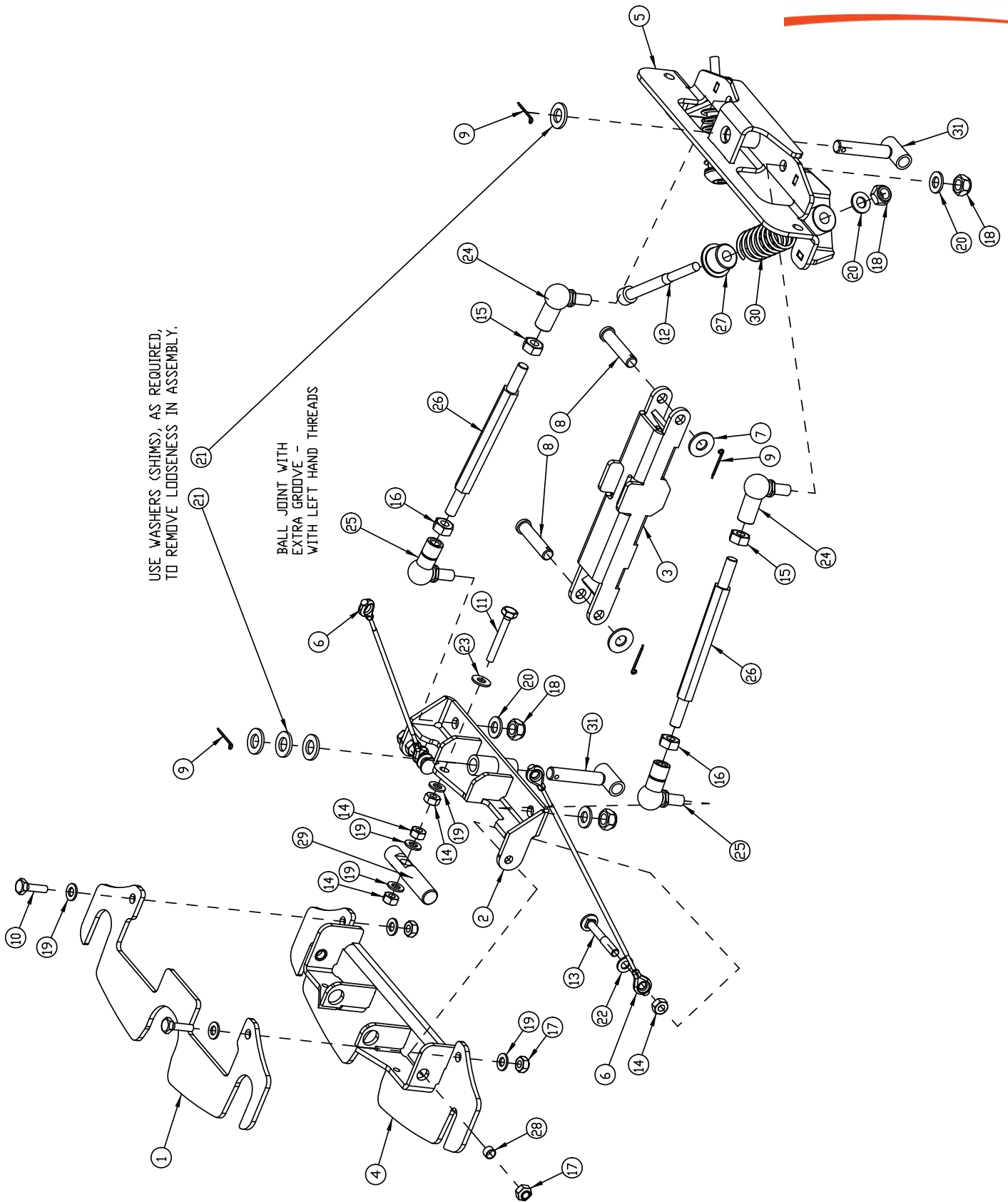


BILL OF MATERIAL - 281395

ITEM	PART NO.	QTY	DESCRIPTION
1	730	1	SEAL-THREAD HL150 (50ML)
2	121072	2	WASHER-FLAT #8 S/S
3	173154	1	VALVE, BALL, 3/8 BARB x 3/8 MPT
4	210410	1	FTG-ADAPTER 3/8 FPT X 3/8 HB BRASS
5	220245	2	FTG-ELBOW 45 3/8 MPT X 3/8 FPT BRASS
6	241097	1	HOSE-WIRE REINF 3/8 X 31"
7	281090	2	FTG-TEE 3/8 FPT X 3/8 FPT X 3/8 FPT BRAS
8	281091	1	FTG-REDUCER 3/8 MPT X 1/8 FPT BRASS
9	281368	1	PUMP MOUNT PLATE
10	281394	1	BOX, MTG, SOLUTION PUMP WELD
11	281425	1	SW-SWIVEL CONNECTOR-3/4 GHT X 3/8 MPT
12	281846	1	HOSE, WIRE REINF 3/8 ID, 8.00"LG
13	281847	1	HOSE, WIRE REINF 1/2 ID, 5.50"LG
14	281848	1	HOSE, WIRE REINF 1/2 ID, 8.50"LG
15	320254	1	HOSE-WIRE REINF 3/8 X 9"
16	342430	1	FTG-ADAPTER 3/8 MPT X 3/8 HB BRASS
17	383327	2	FTG-ELBOW 90 1/2 MPT X 3/8 HB PP
18	383332	1	FTG-NIPPLE 3/8 MPT BRASS
19	383337	1	FTG-ELBOW 90 3/8 MPT X 1/2 HB PP
20	383479	1	FITTING 3/8 PLUG
21	450076	2	CLAMP-HOSE 5/8 (.590-.791) SS
22	450221	1	COUPLER-QUICK CONNECT, 1/8MPT
23	710130	2	SCR-THMS 8-32 X .62 SS
24	711503	4	WASHER-FLAT #10 X .50 ZP
25	711504	2	WASHER-FLAT 1/4 SS
26	711553	4	WASHER-INT LOCK #10
27	712531	4	SCR-FHMS 10-24 X 1.00 FH SS
28	712565	2	SCR-THMS 1/4-20 X .62 SS
29	712758	2	WASHER-LOCK 1/4 SPLIT SS
30	742709-6	1	PUMP ASY- ER2832 NO CE COMPONENTS
31	748390	1	SOLENOID, 36VDC VITON DIN43650
32	827008	1	FTG-ADAPTER 3/8 MPT 1/2 HB BRASS
33	828062-B	5	CABLE TIE-LARGE (BLACK)
34	829129	7	CLAMP-HOSE WORM-DRV8-22MM HOSE DIA. 5/16
35	829552	1	TAPE-TEFLON PIPE 1/2"
36	830062	1	FTG-ELBOW 90 3/8 MPT X 3/8 FPT BRASS
37	97113377	1	FILTER ASSY, WATER

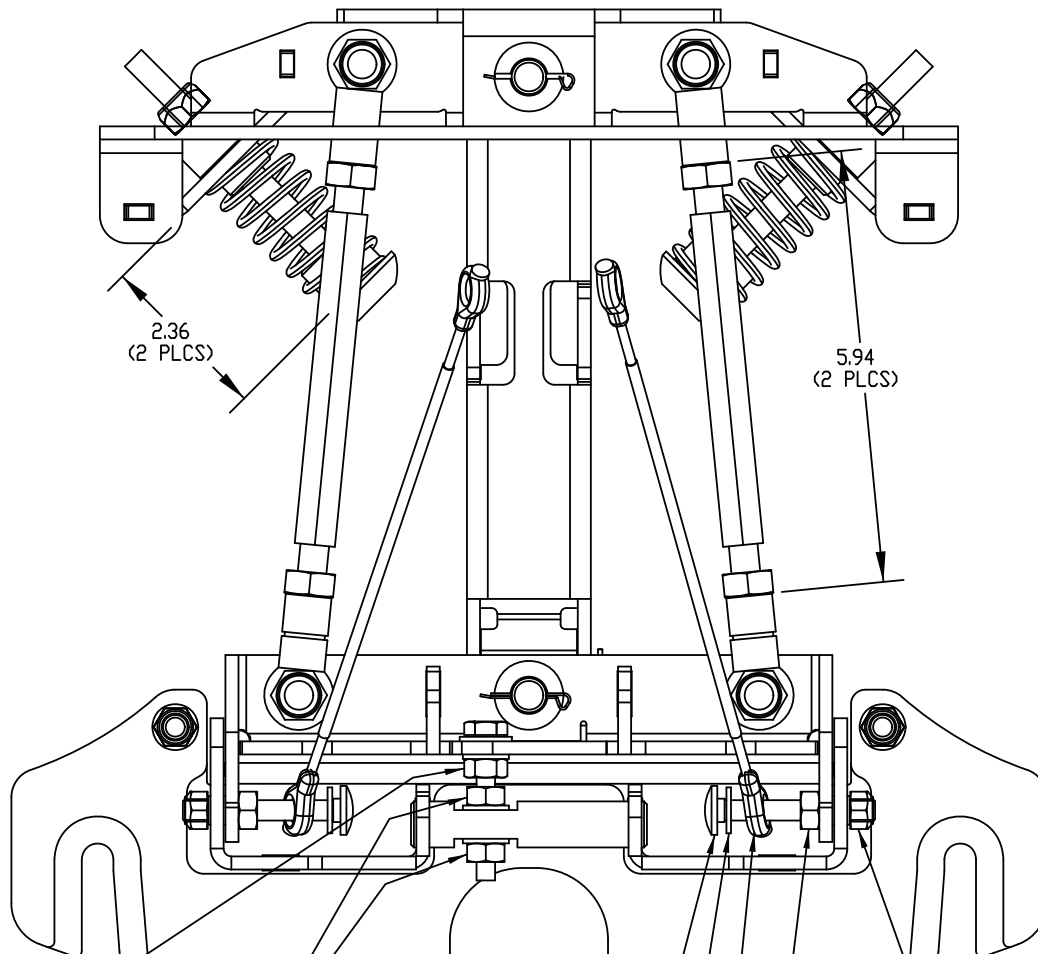


BILL OF MATERIAL - 281201E			
ITEM	PART NO.	QTY	DESCRIPTION
1	281202	1	REAR AXLE WMT
2	281210	2	REAR WHEEL ASSY
3	281213	4	RING & BUSHING ISOLATOR
4	281460	2	AXLE CASTING, REAR - SCV 28/32E
5	3300471	4	BEARING-TAPERED ROLCONE W/SEAL
6	711169	8	SCR-1/2-20 X 1.25 SOCKET FH W/ PATCH
7	711450	2	NUT-SLOTTED, 1-14 UNS
8	711514	2	WSR-FT 1.0 ID X 2.0 OD
9	380-632-20	2	3/16 COTTER PIN
10	383241PTD	2	GREASE CAP WHEEL-PAINTED



BILL OF MATERIAL - 281230

ITEM	PART NO.	QTY	DESCRIPTION
1	241283	1	SQUEEGEE MOUNTING PLATE
2	241284	1	PIVOT BRACKET
3	241291	1	ARM WELDMENT
4	241294	1	SQUEEGEE MOUNTING WELDMENT
5	241757	1	MOUNTING BRACKET WELDMENT - SQUEEGEE
6	281241	2	LIFT CABLE
7	711508	2	WSR-FLAT .44X 1.0X.08
8	711727	2	CLEVIS PIN, 7/16 x 2.0"
9	809311	4	PIN-COTTER 7/64 DIAX 1
10	11038247	2	BOLT - HH, M8 X 1.25 X 25, STL, ZINC DICH
11	11038299	1	SCR-HH M8-1.25 X 45 ZP CLASS 8.8
12	11126653	2	SCR -SHCS, M10 X 110 length, 10.9 STL
13	11620564	2	CARRIAGE BOLT - M8, ZINC DICH
14	12022059	5	NUT - HEX, M8 STL, ZINC DICH
15	12022067	2	NUT-HEX M10 X 1.5 STL ZINC DICH CL8 DIN 934
16	12022224	2	NUT-HEX M10-10 LH-8 SS A3G DIN 934
17	12040051	4	NUT-HEX M8-6 NYLON LOCK ZINC DICH DIN 985 A2G
18	12040069	6	NUT-HEX NYLOC M10 Z DICH
19	12310041	7	WASHER - FLT, 8.4 X 16 X 1.6, STL, ZINC DICH
20	12310058	6	WASHER = FLT, M10.5 X 20 X 2.0, STL, ZINC DICH
21	12310066	4	WSR-FLT, M13X24X2.5, Z DICH
22	730609	2	WASHER-FLAT M8 SS
23	12520053	1	WASHER - SERRATED
24	16046039	2	BALL JOINT RH - A2 SS DIN 71802-CS16
25	16046088	2	BALL JOINT LH - A2 SS DIN 71802 CS16
26	90414806	2	TURNBUCKLE - METRIC, STL, ZINC DICH
27	90443979	2	BUSHING - ST EPPED, ST EEL
28	90473158	2	BUSHING
29	90537697	1	PIVOT BAR - MACHINED
30	90538307	2	SPRING - COMPRESSION
31	96098330-2	2	T BAR WELDMENT



FULLY TIGHTEN THIS NUT

THESE (2) NUTS REMAIN LOOSE
DURING SUB ASSEMBLY.
THEY WILL BE FULLY TIGHTENED
DURING FINAL ASSEMBLY.

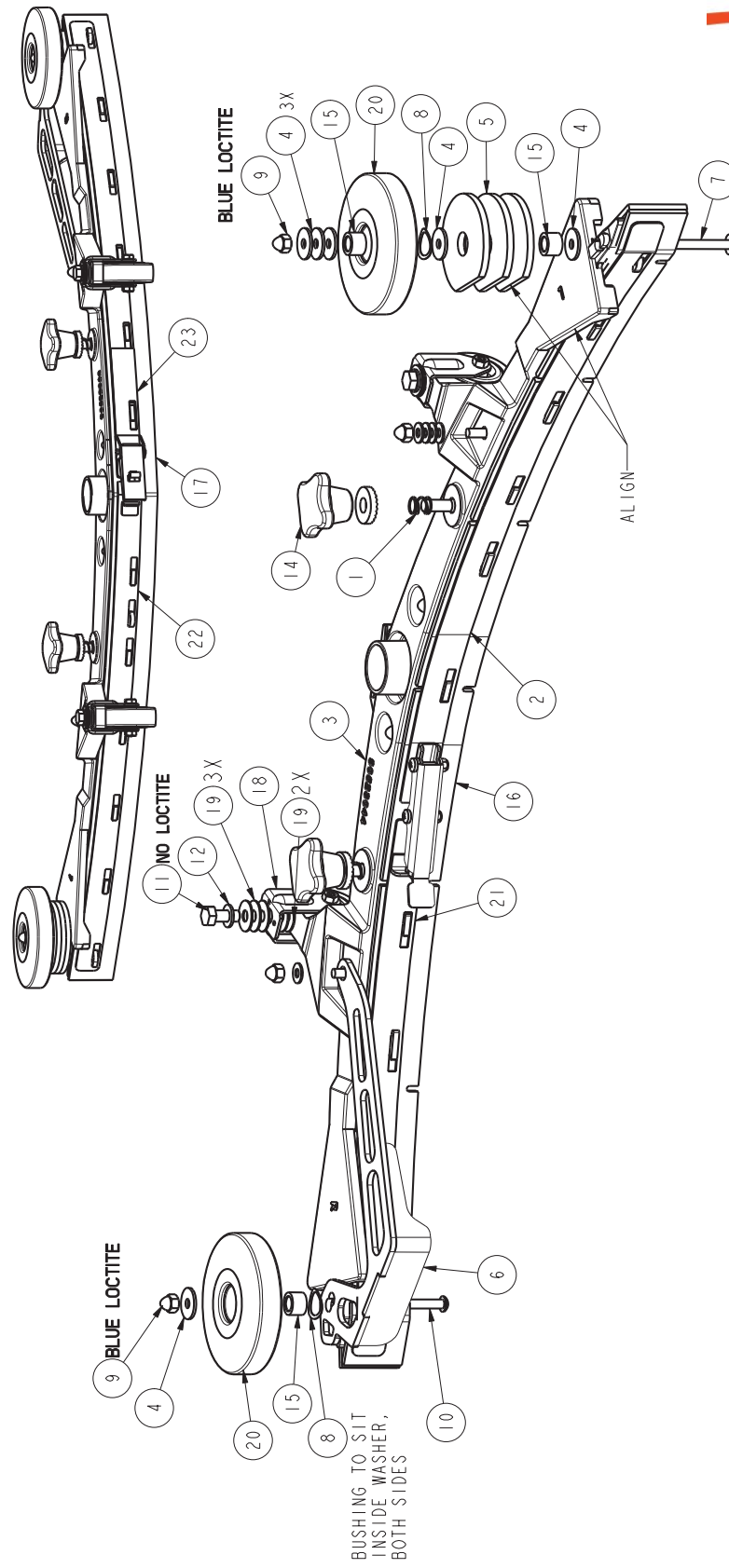
CARRIAGE BOLT, # 11620564

FLAT WASHER, # 12310264

LIFT CABLE, # 281241

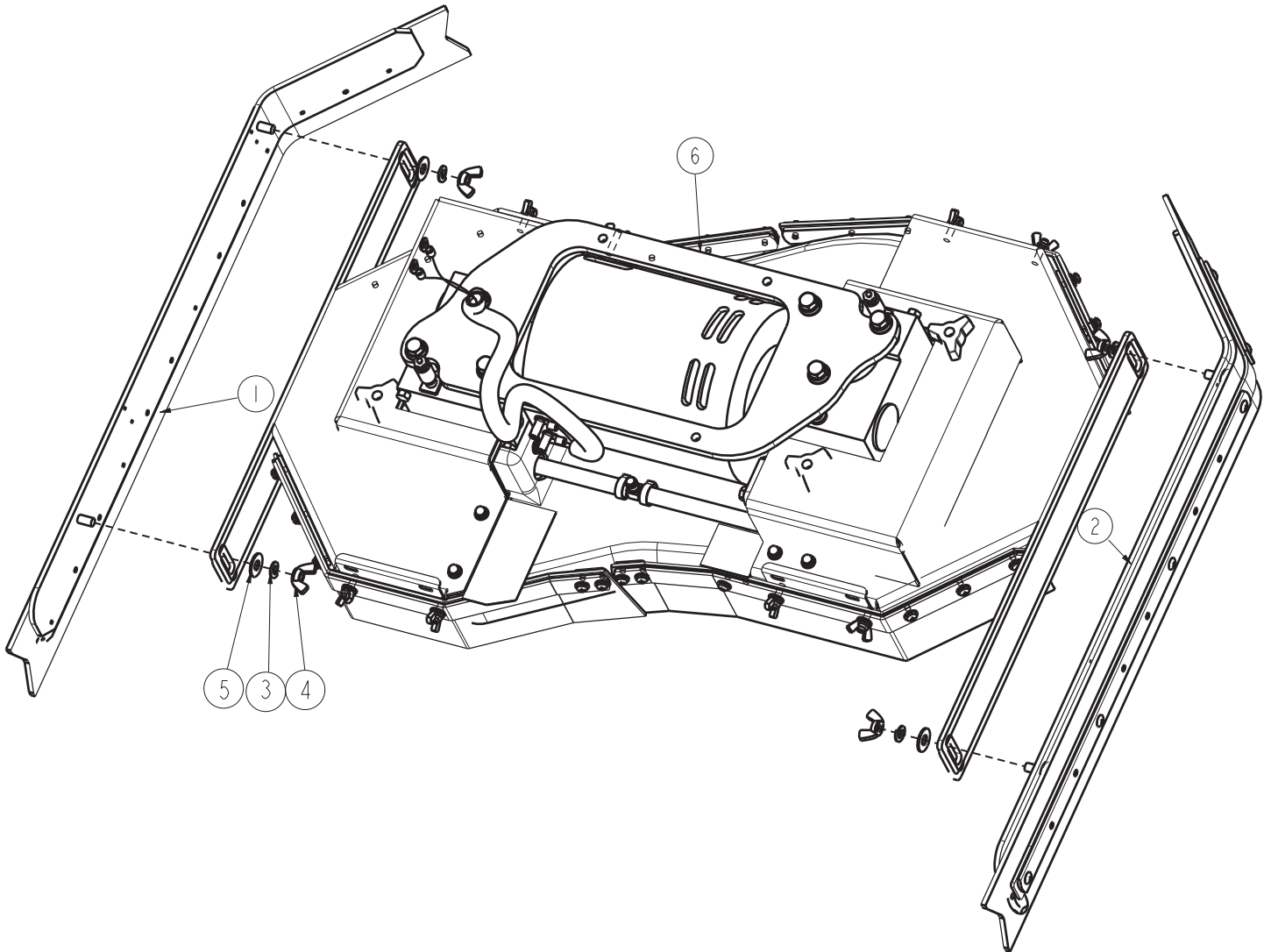
HEX NUT, # 12022059
(FULLY TIGHTENED AGAINST
THE NON THREADED SHANK)

LOCKING NUT, #12040051



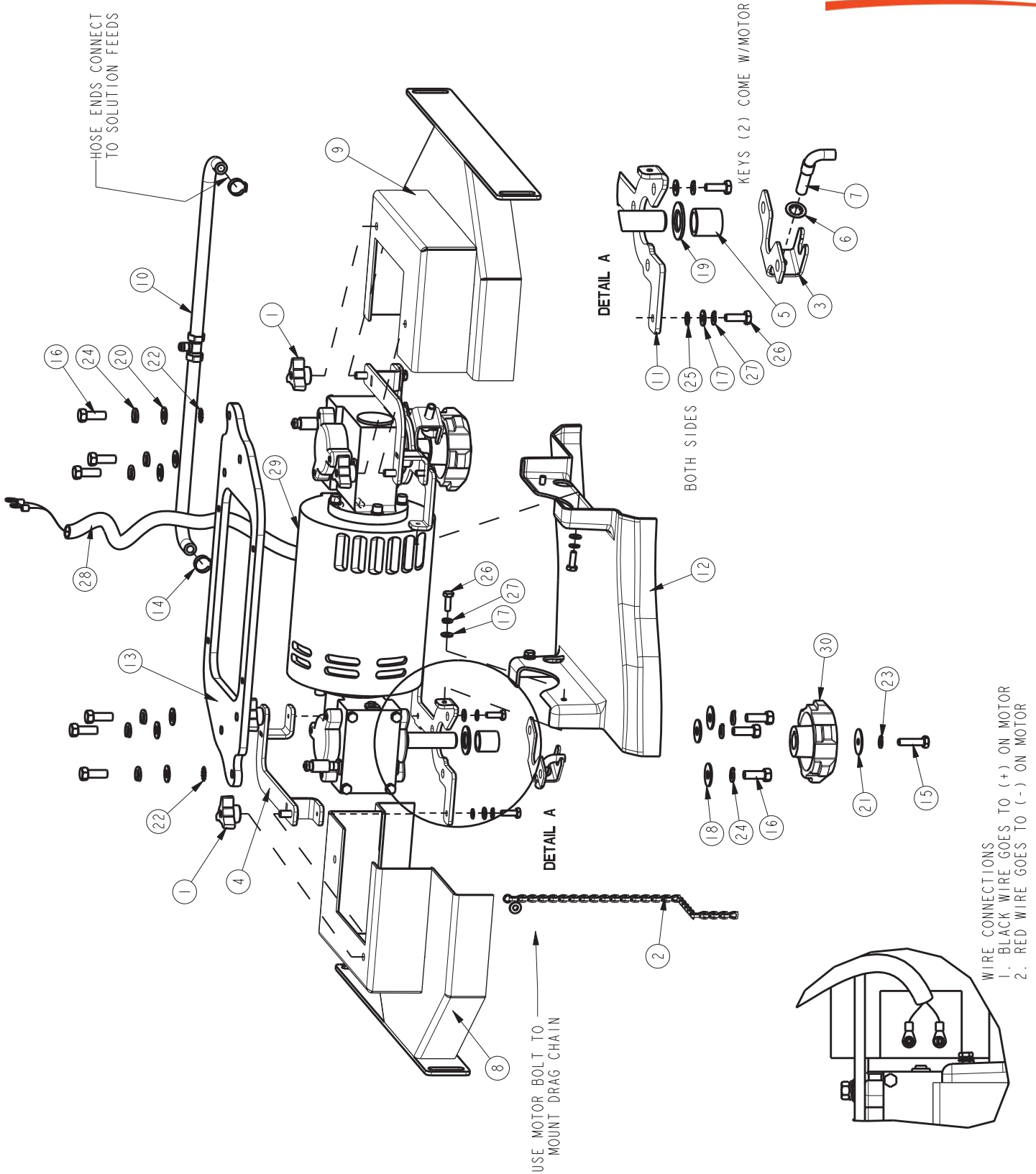
BILL OF MATERIAL - 281338

ITEM	PART NO.	QTY	DESCRIPTION
1	172429	2	SPRING, COMP .4 ID X .5FL SS
2	172448	1	STRAP W/ LATCH, FRONT LEFT, 38" SQG
3	172539	1	NLA- SEE NOTES - 38" SQG BASE ASSY, C.S.
4	173080	6	WASHER-FLAT .266 X .875 X .07 SS
5	281211	3	WSR-SNUBBING
6	281242	1	DEFLECTOR BRACKET - REAR SQUEEGEE
7	710592	1	SCR-THMS 1/4-20 X 3.00 SS
8	711525	2	WASHER-WAVE .65 X .86 X .01
9	712591	2	NUT-ACORN 1/4-20 SS
10	712592	1	SCR-BHSCS 1/4-20 X 2.25 SS
11	717030	2	SCR-HH M8-1.25 X 20 SS
12	730609	2	WASHER-FLAT M8 SS
13	12515094	2	WSR-CONICAL SERRATED TOOTH M10.6 X 26
14	17133026	2	STAR HANDLE, M10, BLACK
15	90199019	3	BUSHING, 10 X 16 X 10.8MM ZINC
16	90493560	1	SQUEEGEE BLADE, FRONT
17	90494139	1	SQUEEGEE BLADE, REAR
18	90513094	2	FIXED CASTER
19	90531112	10	WASHER-FLAT 8.3 x 22 x 1.00mm STAINLESS
20	90548397	2	ROLLER - PLASTIC, 100mm DIA. (4")
21	96125828	1	FRONT RIGHT TENSION BAND
22	96125844	1	REAR LEFT TENSION BAND
23	96125851	1	REAR RIGHT TENSION BAND W/ LATCH

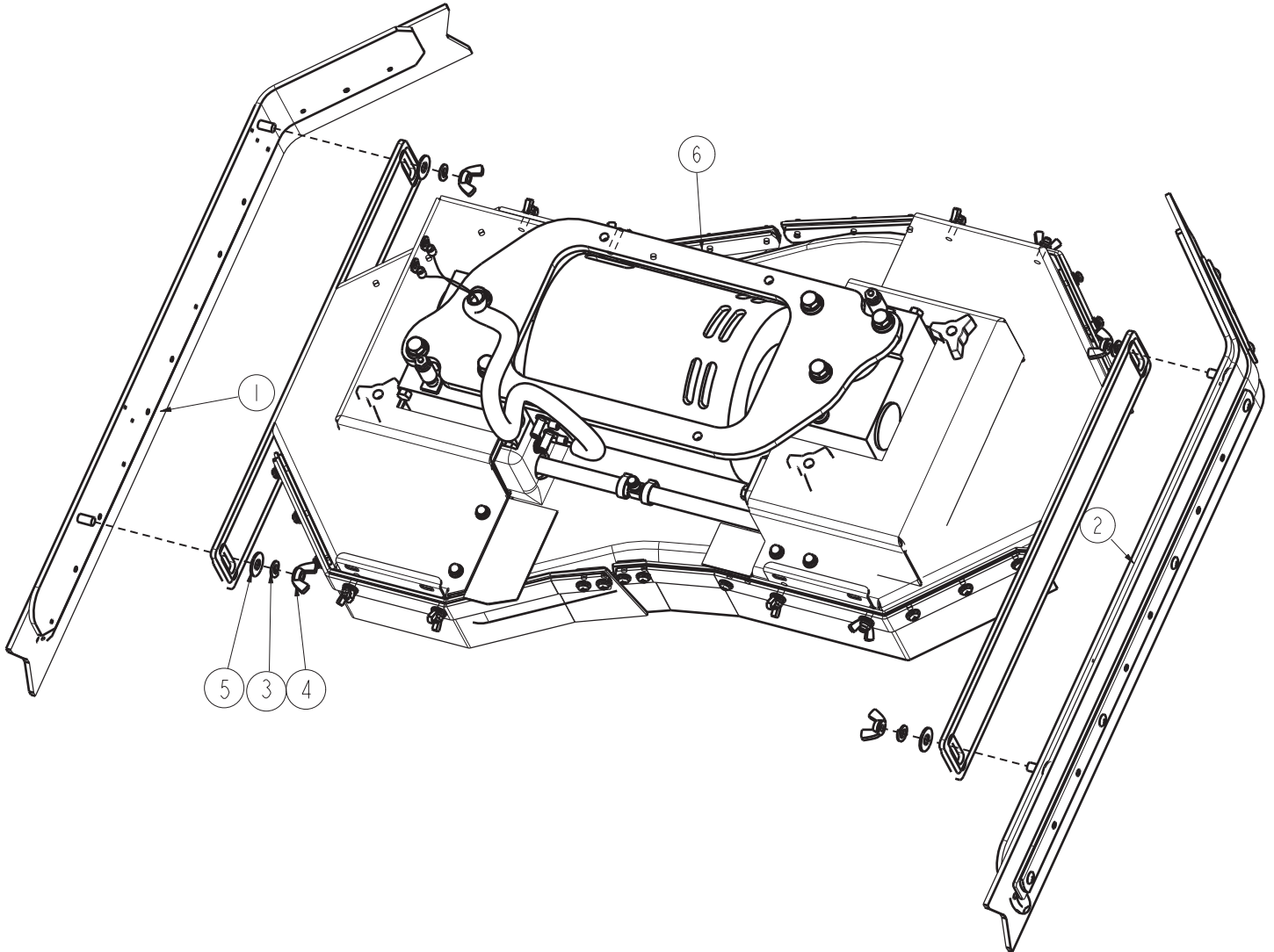


BILL OF MATERIAL - 281292S

ITEM	PART NO.	QTY	DESCRIPTION
1	281875	1	SIDE SQUEEGEE WIPE ASSY RH, SCV2832
2	281878	1	SIDE SQUEEGEE WIPE ASSY LH, SCV2832
3	712140	4	WASHER-LOCK 5/16 SPLIT SS
4	712157	4	NUT-WING 5/16-18 SS
5	712301	4	WASHER-FLAT 3/8 X .87 X .06 ZP
6	281292S-2	1	ASSY, D-SCRUBDECK ER28 SKIRT,NO SQ,SPORT

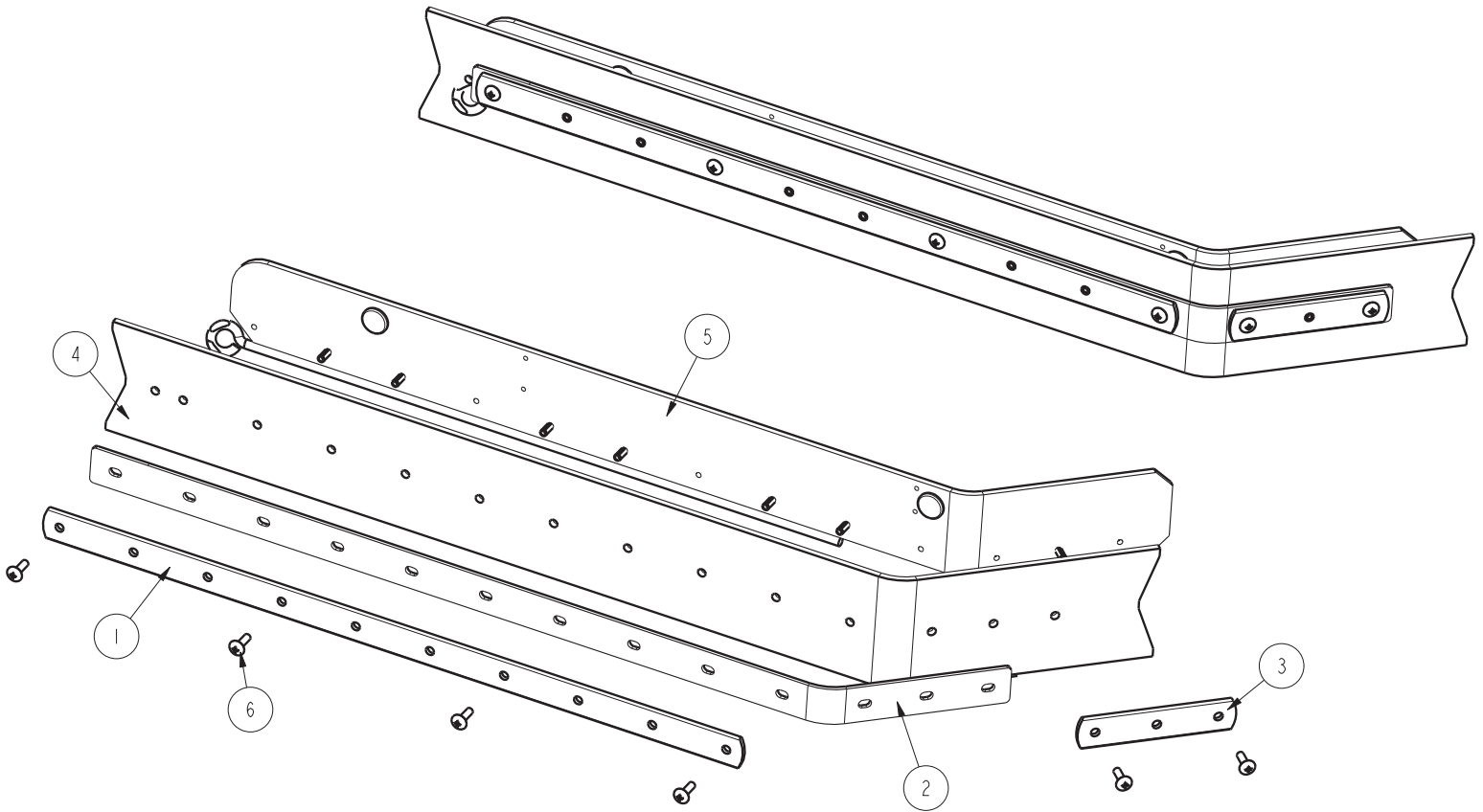


BILL OF MATERIAL 281292S-2			
ITEM	PART NO.	QTY	DESCRIPTION
1	281875	1	SIDE SQUEEGEE WIPE ASSY RH, SCV2832
2	281878	1	SIDE SQUEEGEE WIPE ASSY LH, SCV2832
3	712140	4	WASHER-LOCK 5/16 SPLIT SS
4	712157	4	NUT-WING 5/16-18 SS
5	712301	4	WASHER-FLAT 3/8 X .87 X .06 ZP
6	281292S-2	1	ASSY, D-SCRUBDECK ER28 SKIRT,NO SQ,SPORT
1	210118	4	KNOB-3 SIDED 5/16 NYLOC
2	241628	1	DRAG CHAIN ASSY, DISK SCRUBDECK SCV24/26
3	241653	2	WATER FEED BRKT, DISK, SCV24/26
4	241662	2	COVER MNT BRK'T, SCV 24/26 ASSY
5	281611	2	HUB-SCRUB SPACER TUBE
6	281633	2	SPEED NUT - 3/8"
7	281634	2	DISK SOLUTION FEED ASSY
8	281871-1	1	DISK DECK COVER LH, SCV 24/26
9	281874-1	1	DISK DECK COVER RH, SCV 24/26
10	281881	1	SOL. FEED HOSE SUB-ASS'Y, DISK
11	281883	2	MOUNTING BRACKET, MOTOR COVER
12	320928	1	DECK COVER, 28" DISK
13	320929	1	DISK SCRUBDECK MNTG PLATE, 28'
14	450076	2	CLAMP-CRIMP 185R SS
15	711231	2	BLT-HH 5/16-18X1.25 ST PL
16	711242	12	BLT-HH 3/8 -16 X 1.00
17	711504	9	WSR-FLAT 1/4 ID SS
18	711507	6	WSR-FLAT .37 X 1.12 X .06
19	711512	2	WSR-FLAT .75X1.37X.08
20	711515	6	WSR-FLAT .406 X .812 X .0625
21	711516	2	WSR- FLAT .31 X 1.25 X .05
22	711539	2	WSR-EXTERNAL LOCK 3/8
23	711545	2	WSR-HELICAL 5/16
24	711546	12	WSR-HELICAL 3/8
25	711554	2	WSR-INTERNAL LOCK 1/4 ID
26	712562	8	BOLT-HH 1/4-20X3/4 SS
27	712758	8	WSR-HELICAL 1/4 SS
28	748410	1	WIRE ASY, DISK DECK ER2832
29	748424	1	MOTOR, DUAL RT. ANGLE, 28", 500 RPM
30	3312402	2	HUB-SCRUB BRUSH DRIVE



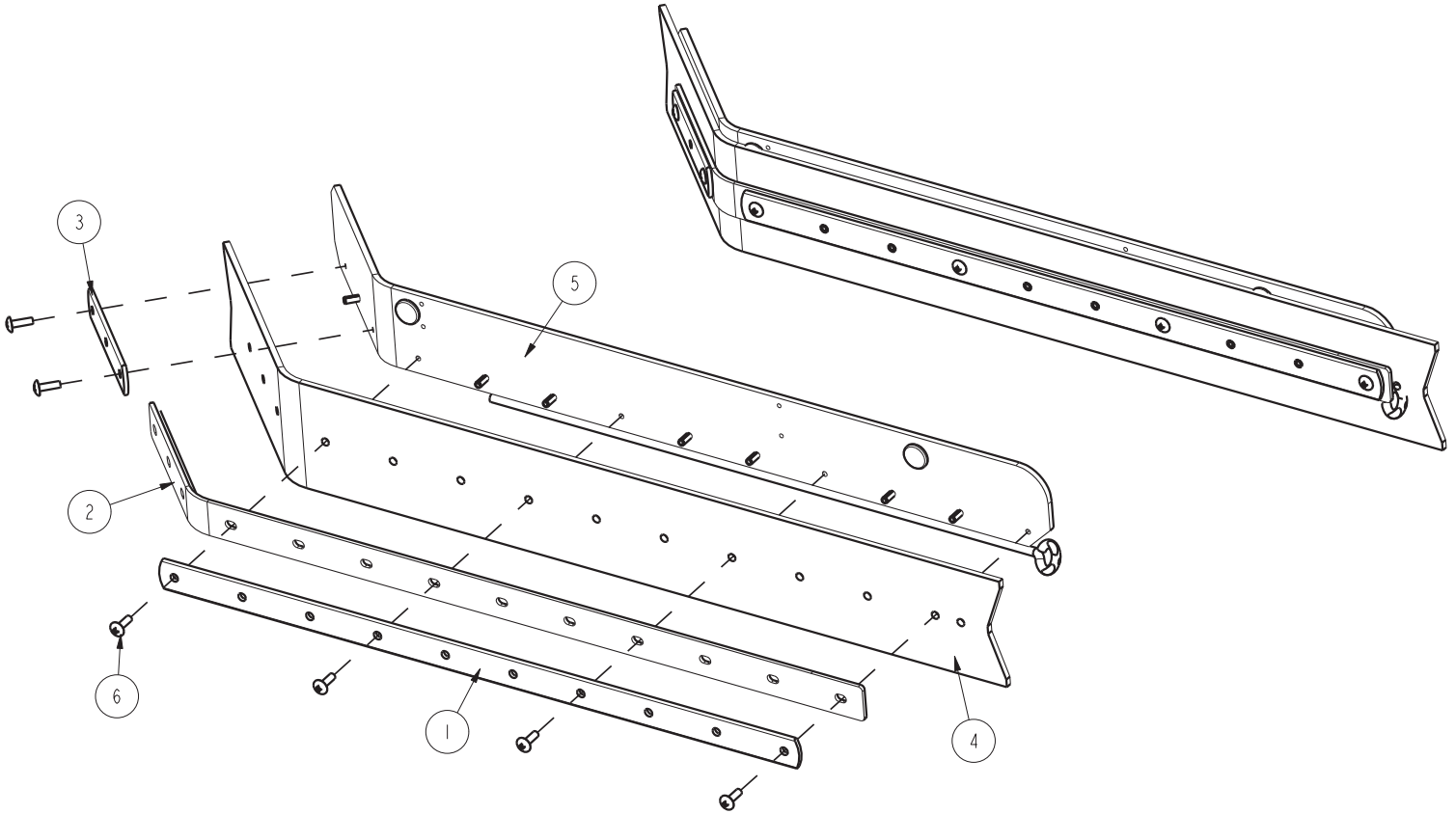
BILL OF MATERIAL - 281293S

ITEM	PART NO.	QTY	DESCRIPTION
1	281875	1	SIDE SQUEEGEE WIPE ASSY RH, SCV2832
2	281878	1	SIDE SQUEEGEE WIPE ASSY LH, SCV2832
3	712140	4	WASHER-LOCK 5/16 SPLIT SS
4	712157	4	NUT-WING 5/16-18 SS
5	712301	4	WASHER-FLAT 3/8 X .87 X .06 ZP
6	281293S-2	1	ASSY, D-SCRUBDECK ER32 SKIRT,NO SQ,SPORT



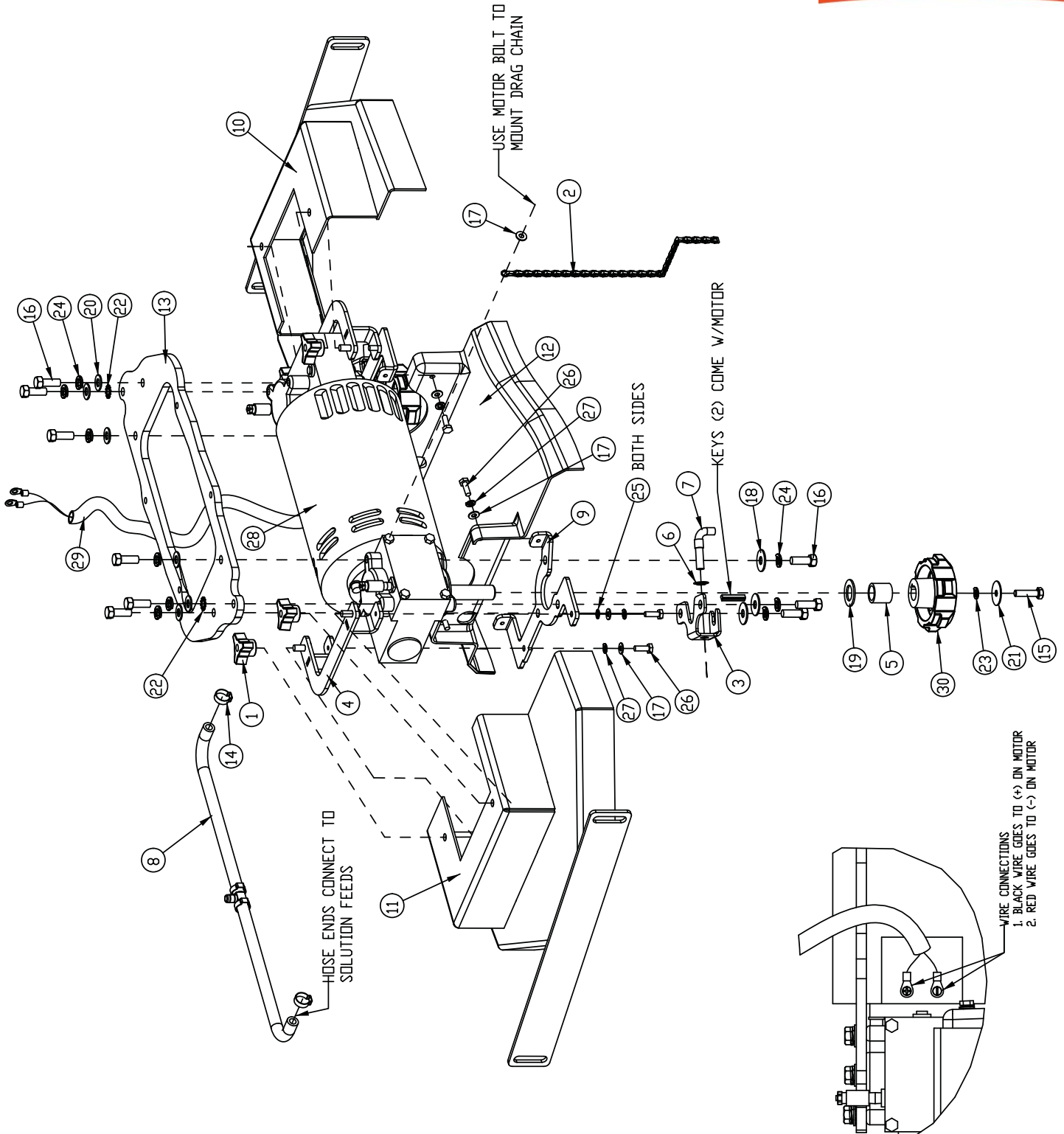
BILL OF MATERIAL - 281878

ITEM	PART NO.	QTY	DESCRIPTION
1	241679	1	LONG RETAINER, SIDE SQ SCV2426
2	281855	1	BACKER BLADE, LONG SCV 2832
3	281856	1	SHORT RETAINER, SIDE SQ SCV2426
4	281859	1	SIDE SQUEEGEE BLADE LINATEX, SCV 2832
5	281879	1	DISK SQUEEGEE SUB-ASSY LH, SCV 24/26
6	710154	6	SCR-MC TR HD 10-32 X .625 SS



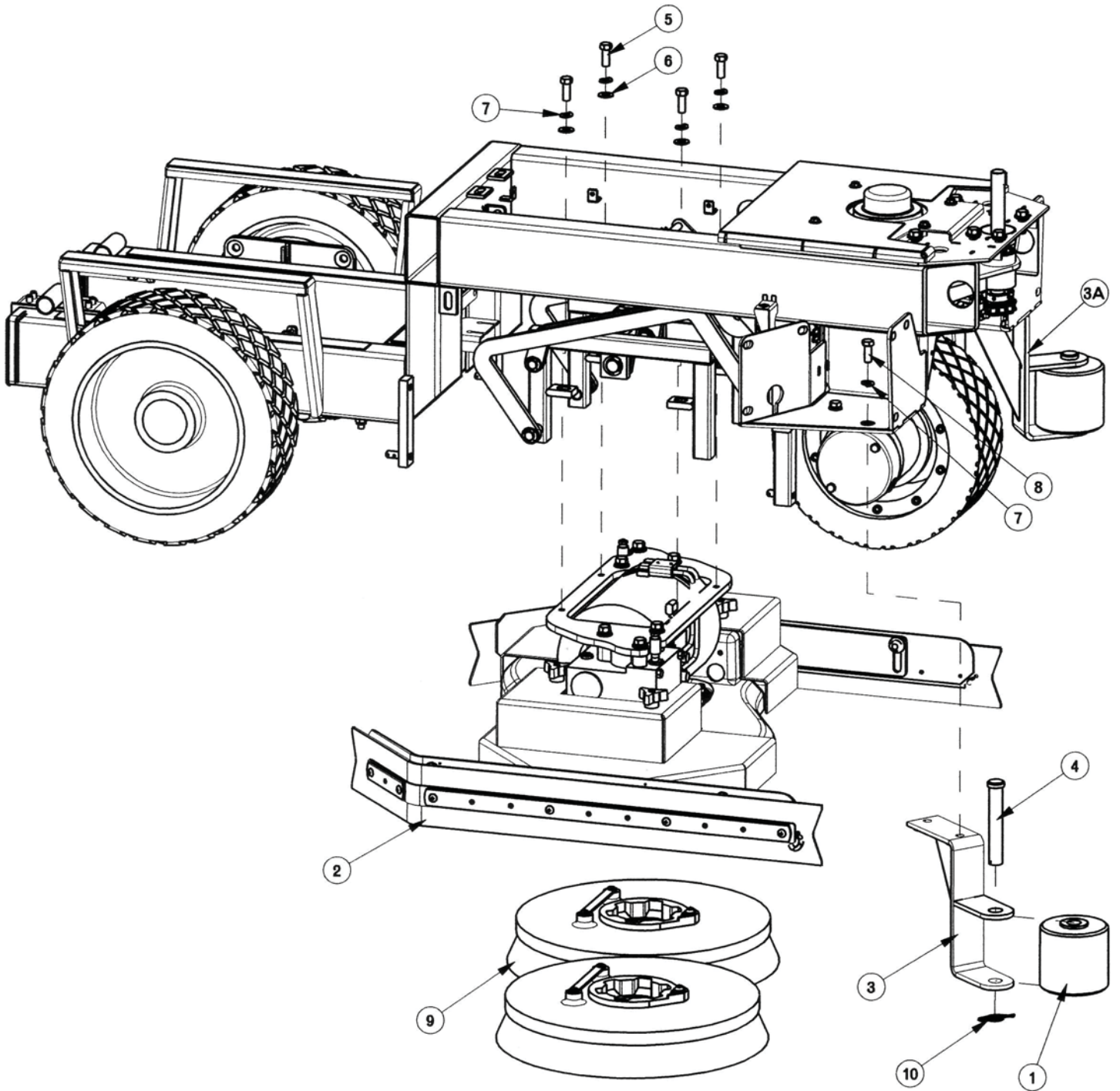
BILL OF MATERIAL - 281875

ITEM	PART NO.	QTY	DESCRIPTION
1	241679	1	LONG RETAINER, SIDE SQ SCV2426
2	281855	1	BACKER BLADE, LONG SCV 2832
3	281856	1	SHORT RETAINER, SIDE SQ SCV2426
4	281859	1	SIDE SQUEEGEE BLADE LINATEX, SCV 2832
5	281876	1	DISK SQUEEGEE SUB ASSY RH, SCV 24/26
6	710154	6	SCR-MC TR HD 10-32 X .625 SS



BILL OF MATERIAL - 281293S-2

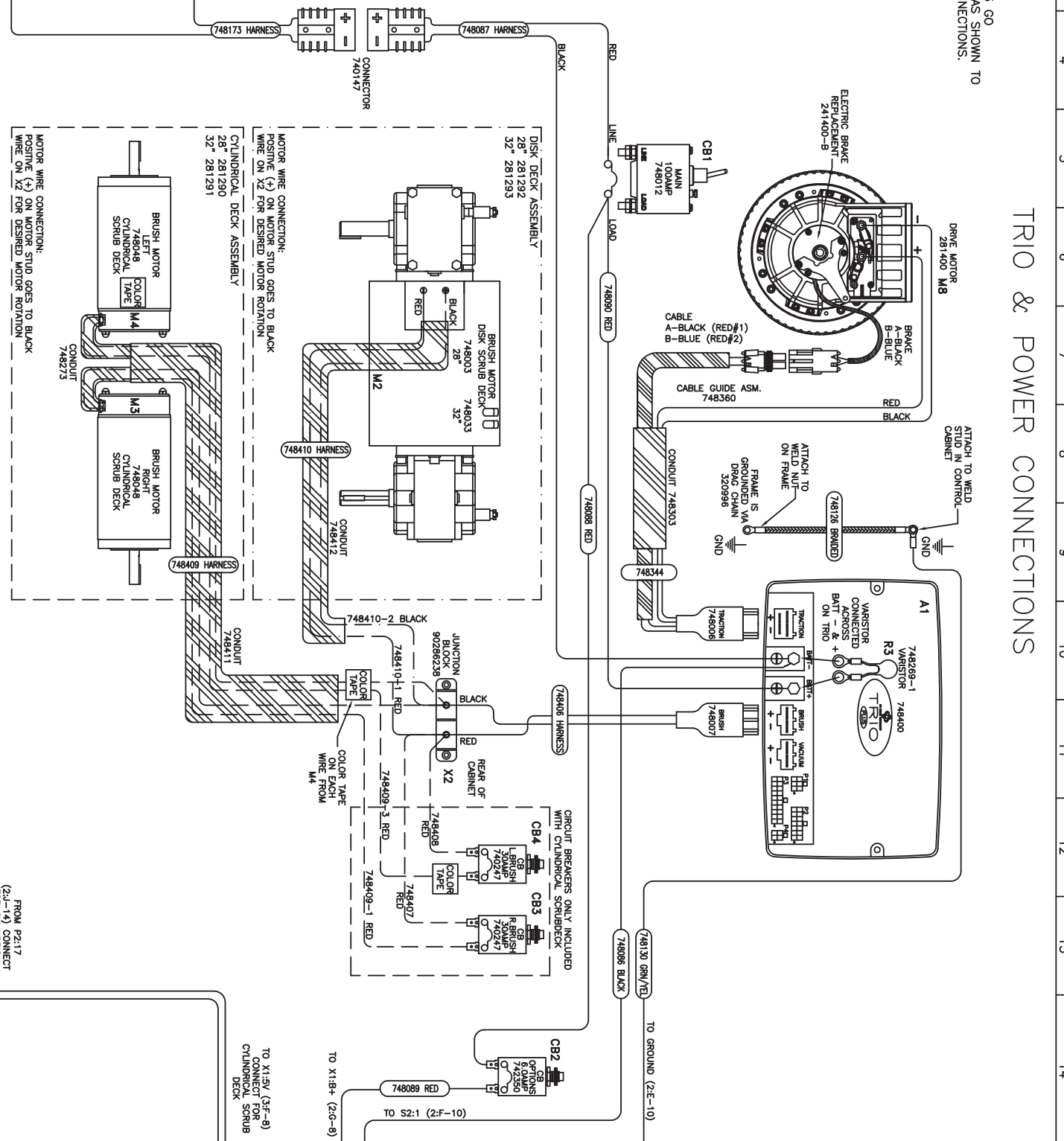
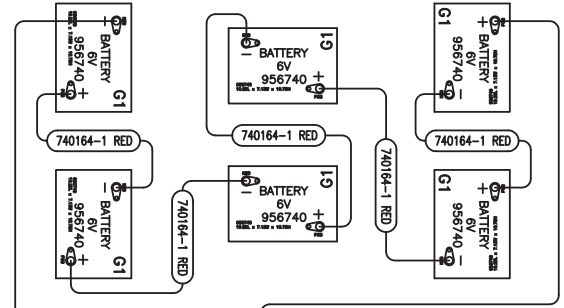
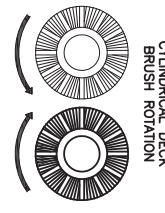
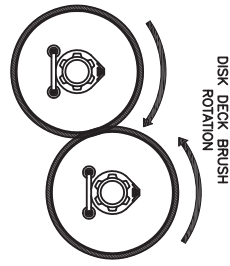
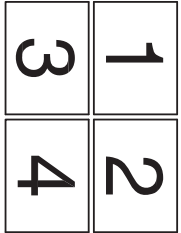
ITEM	PART NO.	QTY	DESCRIPTION
1	210118	4	KNOB-3 SIDED 5/16 NYLOC
2	241628	1	DRAG CHAIN ASSY, DISK SCRUBDECK SCV24/26
3	241653	2	WATER FEED BRKT, DISK, SCV24/26
4	241662	2	COVER MNT BRK'T, SCV 24/26 ASSY
5	281611	2	HUB-SCRUB SPACER TUBE
6	281633	2	SPEED NUT - 3/8"
7	281634	2	DISK SOLUTION FEED ASSY
8	281881	1	SOL. FEED HOSE SUB-ASS'Y, DISK
9	281883	2	MOUNTING BRACKET, MOTOR COVER
10	281885-1	1	DISK DECK COVER RH 32", SCV 28/32
11	281887-1	1	DISK DECK COVER LH 32", SCV 28/32
12	320857	1	DECK COVER, 32" DISK
13	320859	1	DISK SCRUBDECK MNTG PLATE, 32"
14	450076	2	CLAMP-CRIMP 185R SS
15	711231	2	BLT-HH 5/16-18X1.25 ST PL
16	711242	12	BLT-HH 3/8 -16 X 1.00
17	711504	9	WSR-FLAT 1/4 ID SS
18	711507	6	WSR-FLAT .37 X 1.12 X .06
19	711512	2	WSR-FLAT .75X1.37X.08
20	711515	6	WSR-FLAT .406 X .812 X .0625
21	711516	2	WSR- FLAT .31 X 1.25 X .05
22	711539	2	WSR-EXTERNAL LOCK 3/8
23	711545	2	WSR-HELICAL 5/16
24	711546	12	WSR-HELICAL 3/8
25	711554	2	WSR-INTERNAL LOCK 1/4 ID
26	712562	8	BOLT-HH 1/4-20X3/4 SS
27	712758	8	WSR-HELICAL 1/4 SS
28	748425	1	MOTOR, 32" DUAL RIGHT ANGLE
29	748410	1	WIRE ASY, DISK DECK ER2832
30	3312402	2	HUB-SCRUB BRUSH DRIVE

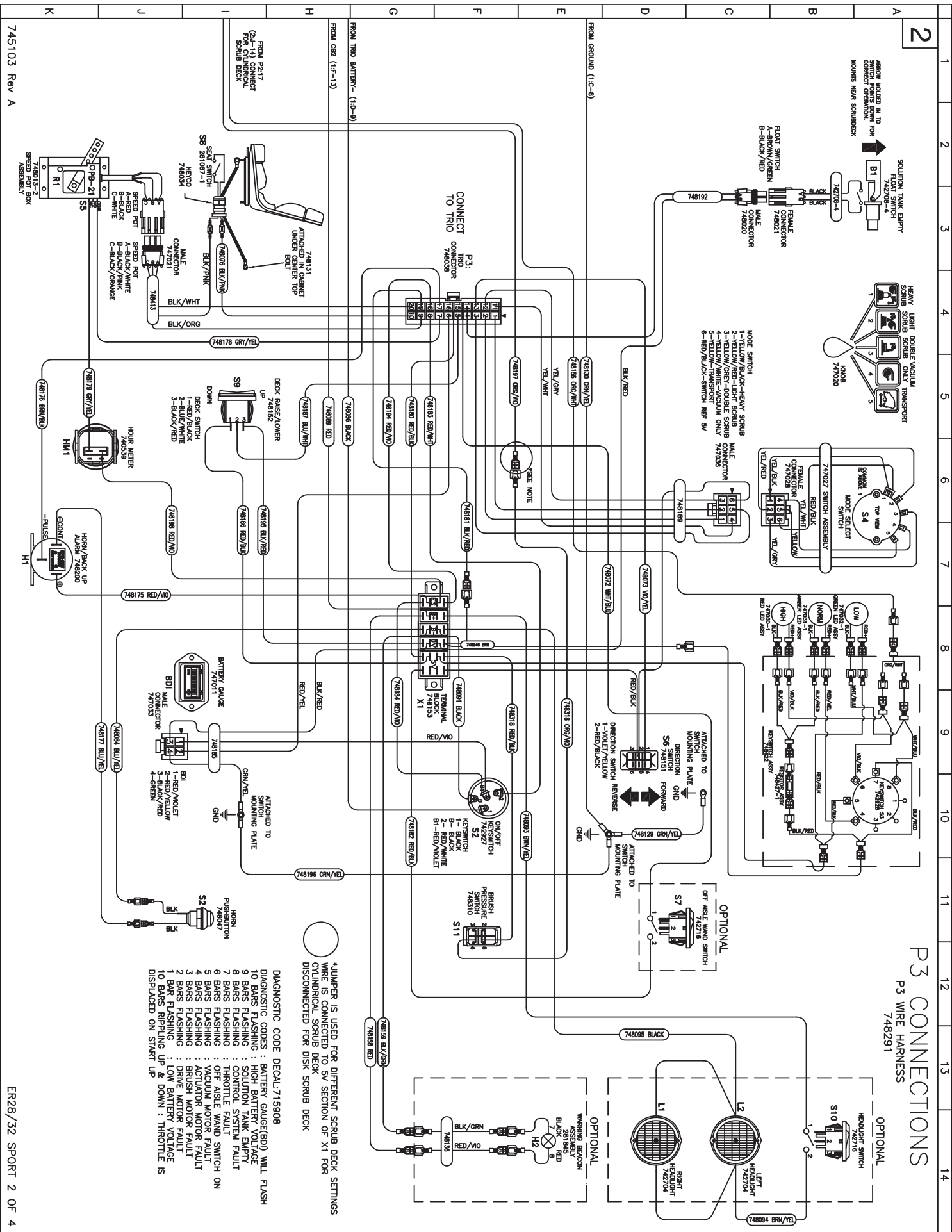


BILL OF MATERIAL - 28" DISC			
ITEM	PART NO.	QTY	DESCRIPTION
1	66-436-A	2	RUBBER ROLLER
2	281292S	1	DISK SCRUBDECK ASSY-SPORT, 28" NO BRUSHES
3	281955	1	FRONT ROLLER MOUNT BRKT WMT
4	360017	2	3/4" X 4.50 CLEVIS PIN
5	711242	10	BLT-HEX 3/8 -16X1.00 ZP
6	711515	13	WSR-FLAT .406 X .812 X .0625
7	711546	14	WSR-HELICAL 3/8
8	713042	4	BLT-HH 3/8-16 X 1 #5
9	3313135	2	BRUSH SCRUB 14" PLASTIC NYLON
9A	3313125	2	POWER DRIVE 14" POWERGRIT 80 S/S
9B	3313127	2	POWER DRIVE 14" POWERGRIT 46 HDS
9C	3313131	2	BRUSH SCRUB 14" PLAS WIRE
9D	3313133	2	BRUSH SCRUB 14" PLAS BUTCHWIRE
9E	3315494	2	BRUSH 14" PWR DRIVE W/PAD HLDR (STANDARD)
9F	3315386	2	POWER DRIVE 14" POWERGRIT 120 AGS
10	3400661	2	PIN-COTTER 5/8 RUE-RING

BILL OF MATERIAL - 32" DISC			
ITEM	PART NO.	QTY	DESCRIPTION
1	66-436-A	2	RUBBER ROLLER
2	281293S	1	DISK SCRUBDECK ASSY-SPORT, 32"NO BRUSHES
3	281976	1	FRONT ROLLER MOUNT BRKT WMT, RH (32" ONLY)
3A	281971	1	FRONT ROLLER MOUNT BRKT WMT, LH (32" ONLY)
4	360017	2	3/4" X 4.50 CLEVIS PIN
5	711242	10	BLT-HEX 3/8 -16X1.00 ZP
6	711515	13	WSR-FLAT .406 X .812 X .0625
7	711546	14	WSR-HELICAL 3/8
8	713042	4	BLT-HH 3/8-16 X 1 #5
9	3313136	2	BRUSH SCRUB 16" PLASTIC NYLON
9A	3313126	2	POWER DRIVE 16" POWERGRIT 80 S/S
9B	3313128	2	POWER DRIVE 16" POWERGRIT 46 HDS
9C	3313132	2	BRUSH SCRUB 16" PLAS WIRE
9D	3313134	2	BRUSH SCRUB 16" PLAS BUTCHWIRE
9E	3315495	2	BRUSH 16" PWR DRIVE W/PAD HLDR (STANDARD)
9F	3315385	2	POWER DRIVE 16" POWERGRIT 120 AGS
10	3400661	2	PIN-COTTER 5/8 RUE-RING

PAGES 1-3 GO TOGETHER AS SHOWN TO TRACE CONNECTIONS.





P3 CONNECTIONS
P3 WIRE HARNESS
748291

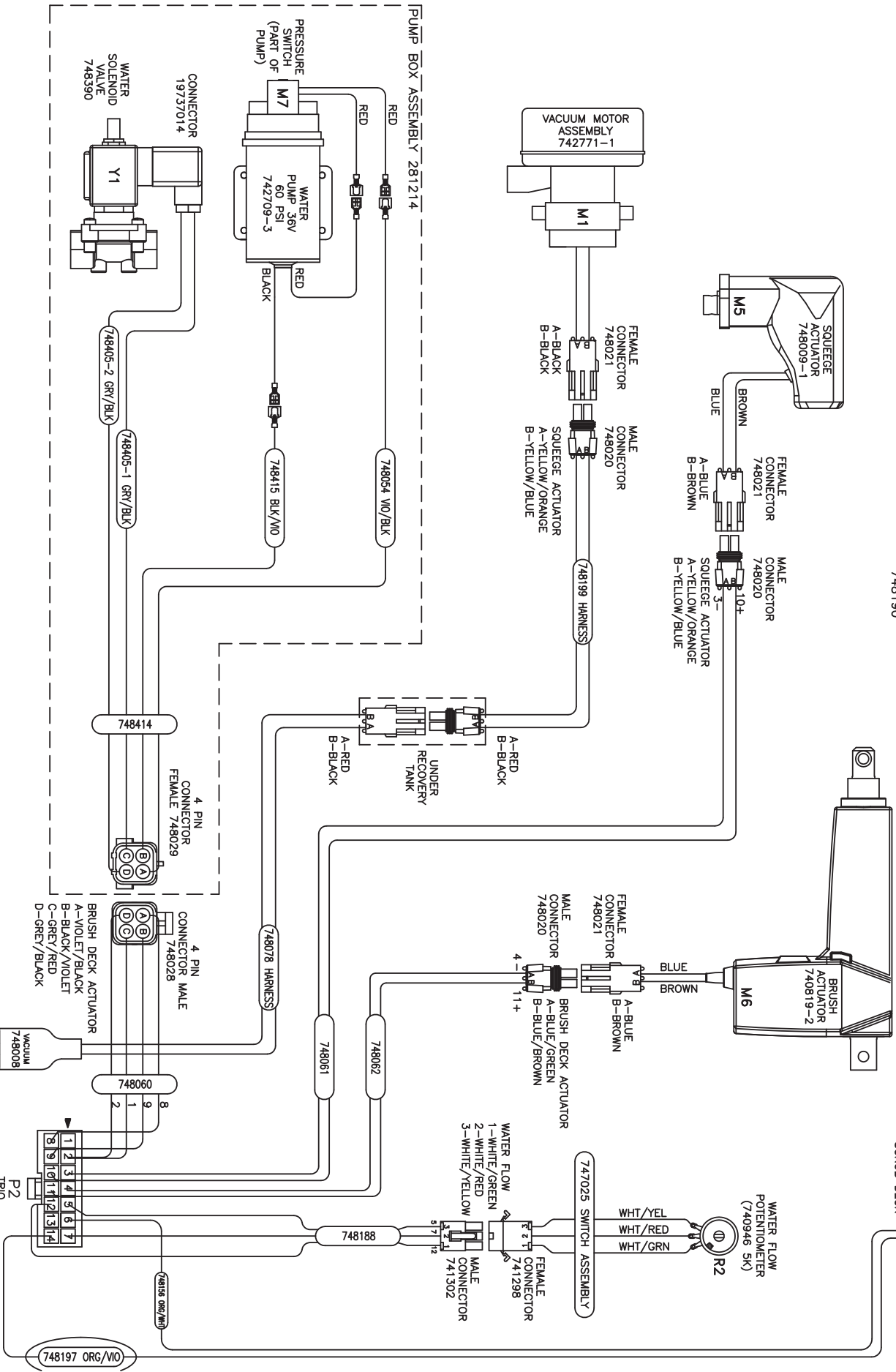
- DIAGNOSTIC CODE DECAL: 715908
- 10 BARS FLASHING : HIGH BATTERY VOLTAGE
 - 9 BARS FLASHING : SOLUTION TANK EMPTY
 - 8 BARS FLASHING : SOLUTION TANK EMPT
 - 7 BARS FLASHING : THROTTLE FAULT
 - 6 BARS FLASHING : THROTTLE FAULT
 - 5 BARS FLASHING : VACUUM MOTOR FAULT
 - 4 BARS FLASHING : ACTUATOR MOTOR FAULT
 - 3 BARS FLASHING : BRUSH MOTOR FAULT
 - 2 BARS FLASHING : DRIVE MOTOR FAULT
 - 1 BAR FLASHING : LOW BATTERY VOLTAGE
- UP & DOWN : THROTTLE IS DISPLACED ON START UP

*JUMPER IS USED FOR DIFFERENT SCRUB DECK SETTINGS WIRE IS CONNECTED TO SV SECTION OF X1 FOR CYLINDRICAL SCRUB DECK DISCONNECTED FOR DISK SCRUB DECK

P2 CONNECTIONS

P2 WIRE HARNESS
748190

TO X1-5V
(3F-8)
CONNECT FOR
CYLINDRICAL
SCRUB DECK



*NUMBER IS USED FOR DIFFERENT SCRUB DECK SETTINGS
WIRE IS CONNECTED TO SV SECTION OF X1 FOR
DISCONNECTED FOR DISK SCRUB DECK

WIRE COLORS & FUNCTIONS

P2: TRIO CONNECTOR

PIN #	COLOR	FUNCTION
1	GREY/RED	WATER SOLENOID VALVE
2	GREY/BLACK	WATER SOLENOID VALVE
3	YELLOW/ORANGE	SQUEEGE ACTUATOR
4	BLUE/GREEN	BRUSH ACTUATOR
5	WHITE/YELLOW	WATER FLOW POTENTIOMETER (SLOW)
6	-	-
7	WHITE/RED	WATER FLOW POTENTIOMETER (WIPER)
8	VIOLET/BLACK	WATER PUMP
9	BLACK/VIOLET	WATER PUMP
10	YELLOW/BLUE	SQUEEGE ACTUATOR
11	BLUE/ORANGE	BRUSH ACTUATOR
12	WHITE/GREEN	WATER FLOW POTENTIOMETER (FAST)
13	-	-
14	ORANGE/VIOLET	BRUSH DECK PRESSURE SETTING

P3: TRIO CONNECTOR

PIN #	COLOR	FUNCTION
1	YELLOW/RED	MODE SWITCH: LIGHT SCRUB
2	YELLOW/BLACK	MODE SWITCH: HEAVY SCRUB
3	YELLOW	MODE SWITCH: TRANSPORT
4	-	-
5	BLUE/WHITE	DECK RAISE/LOWER SWITCH
6	RED/YELLOW	BATTERY GAUGE SIGNAL
7	GREY/YELLOW	HOUR METER
8	RED/WHITE	ON/OFF RED (B+): TERMINAL BLOCK
9	BLACK/ORANGE	SPEED POTENTIOMETER (SLOW)
10	BLACK/PINK	SPEED POT/SEAT SAFETY SWITCH
11	YELLOW/WHITE	MODE SWITCH: VACUUM ONLY
12	YELLOW/GREY	MODE SWITCH: DOUBLE SCRUB
13	VIOLET/YELLOW	REVERSE SWITCH
14	BROWN/GREEN	FLOAT SWITCH: SOLUTION TANK EMPTY
15	WHITE/BLUE	OFF AISLE WAND
16	RED/BLACK	HIGH SWITCH REF: 5VDC
17	BROWN/BLACK	BACK UP ALARM
18	RED/VIOLET	ON/OFF INPUT: KEY SWITCH-KSI
19	BLACK/RED	LOW SWITCH REF: 0VDC
20	BLACK/WHITE	SPEED POTENTIOMETER (FAST)

MISCELLANEOUS

COLOR	FUNCTION
RED	BATTERY 36VDC
BLACK	BATTERY OVDC
RED/BLACK	HIGH SWITCH REF: 5VDC
BLACK/RED	LOW SWITCH REF: 0VDC
RED/VIOLET	KEY SWITCH INPUT- KSI
BLUE/YELLOW	HORN: OVDC
ORANGE/VIOLET	DECK TYPE SELECT:CONNECT FOR CYLINDRICAL

KEY SWITCH: S2

PIN #	HARNESS COLOR	FUNCTION
1	BLACK	BATTERY OV: TRIO
B	BLACK	TERMINAL BLOCK FEED: 0V
2	RED/WHITE	P3:8 +V FROM TRIO
B1	RED/VIOLET	TERMINAL BLOCK FEED P3:18 KSI

BATTERY GAUGE: BDI

PIN #	COLOR	FUNCTION
1	RED/VIOLET	P3:18 SWITCHED 36VDC
2	RED/YELLOW	P3:6 SIGNAL
3	BLACK/RED	TERMINAL BLOCK SIGNAL REF 0V
4	GREEN/YELLOW	ESD DISCHARGE

MODE SELECT SWITCH: S4

SWT #	PIN #	COLOR	FUNCTION
1	1	YELLOW/BLACK	P3:2 HEAVY SCRUB
2	2	YELLOW/RED	P3:1 LIGHT SCRUB
3	3	YELLOW/GREY	P3:12 DOUBLE SCRUB
4	4	YELLOW/WHITE	P3:11 VACUUM ONLY
5	5	YELLOW	P3:3 TRANSPORT
C	6	RED/BLACK	TERMINAL BLOCK: HIGH REF 5V

DIRECTION SWITCH: S6

PIN #	COLOR	FUNCTION
1	VIOLET/YELLOW	P3:13 REVERSE
2	RED/BLACK	TERMINAL BLOCK: HIGH REF 5VDC
3	EMPTY	-
4	EMPTY	-
5	EMPTY	-
6	EMPTY	-

DECK RAISE/LOWER SWITCH: S9

PIN #	COLOR	FUNCTION
1	RED/BLACK	TERMINAL BLOCK: HIGH REF 5VDC
2	BLUE/WHITE	P3:5 DECK RAISE/LOWER INPUT
3	BLACK/RED	TERMINAL BLOCK: LOW REF OVDC
4	EMPTY	-
5	EMPTY	-
6	EMPTY	-

OFF AISLE WAND SWITCH: S7- OPTIONAL

PIN #	COLOR	FUNCTION
1	WHITE/BLUE	P3:15 OFF AISLE WAND
2	RED/BLACK	TERMINAL BLOCK: HIGH REF 5VDC

HEAD LIGHT SWITCH: S10- OPTIONAL

PIN #	COLOR	FUNCTION
1	BROWN/YELLOW	TERMINAL BLOCK: 36VDC
2	BROWN/YELLOW	HEAD LIGHT: L2

KEY SWITCH: S3

PIN #	HARNESS COLOR	FUNCTION
4	RED/YELLOW	POSITIVE TO LED NORM
5	RED/BLACK	TERM BLOCK 5V
6	VIOLET/BLACK	TRIO P2:6 & LED HIGH
7	BLACK/RED	TERM BLOCK 0V
8	WHITE/BLUE	TRIO P2:6 & LED LOW

NOTES

Revision K
Effective December 2015
PowerBoss Made Simple Industrial Limited Warranty

Minuteman International owner of PowerBoss warrants to the original purchaser/user that the product is free from defects in workmanship and materials under normal use. PowerBoss will, at its option, repair or replace without charge, parts that fail under normal use and service when operated and maintained in accordance with the applicable operation and instruction manuals. All warranty claims must be submitted through and approved by factory authorized repair stations.

This warranty does not apply to normal wear, or to items whose life is dependent on their use and care. Parts not manufactured by PowerBoss are covered by and subject to the warranties and/or guarantees of their manufacturers. Please contact Minuteman International for procedures in warranty claims against these manufacturers.

Special warning to purchaser -- Use of replacement parts not manufactured by PowerBoss or its designated licensees, will void all warranties expressed or implied. A potential health hazard exists without original equipment replacement.

All warranted items become the sole property of Minuteman International or PowerBoss or its original manufacturer, whichever the case may be.

PowerBoss disclaims any implied warranty, including the warranty of merchantability and the warranty of fitness for a particular purpose. PowerBoss assumes no responsibility for any special, incidental or consequential damages.

This limited warranty is applicable only in the U.S.A. and Canada, and is extended only to the original user/purchaser of this product. Customers outside the U.S.A. and Canada should contact their local distributor for export warranty policies. PowerBoss is not responsible for costs or repairs performed by persons other than those specifically authorized by PowerBoss. This warranty does not apply to damage from transportation, alterations by unauthorized persons, misuse or abuse of the equipment, use of non-compatible chemicals, or damage to property, or loss of income due to malfunctions of the product. If a difficulty develops with this machine, you should contact the dealer from whom it was purchased.

This warranty gives you specific legal rights, and you may have other rights, which vary from state to state. Some states do not allow the exclusion or limitation of special, incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you.

	Travel *	Labor	Parts	Engine	Extended Warranty	Costs
Walk Behind						****
Battery Sweepers	90 Days	36 months	36 months	N/A	N/A	-
IC Sweepers	90 Days	36 months	36 months	Through Eng. Mfg.	N/A	-
Battery Scrubbers	90 Days	24 months	36 months	N/A	N/A	-
Riders						
Battery Scrubbers	90 Days	24 months	36 months or 2000 hr.	N/A	36 months parts + 24 labor (or 3000 Hours)	5%
IC Sweeper/Scrubbers 82 & 90	90 Days	6 months	24 months or 2000 hr.	24 months or 3000 hrs**	36 months parts + 24 months labor (or 3000 Hours) + 180 days travel	5%
I.C. Sweepers 9X, 10X	90 days	6 months	48 months or 3000 hrs.	60 months or 3000 hrs**	48 months parts + 24 months labor (or 3000 Hours) + 180 days travel	5%
NAUTILUS Scrubber	180 Days	24 months	36 months or 2000 hr.	36 months or 2000 hrs**	48 months parts + 24 months labor (or 3000 Hours) + 180 days travel	3%
All Rider, I.C. (excluding APEX series)					Bumper to Bumper 5000 hr max. 48 months parts, 48 months labor, 180 days travel	8%
Exceptions						
Apex Series Sweeper	90 Days	12 months	12 months or 1000 hr.	12 months or 1000 hrs**	24 months parts + 24 months labor (or 2000 Hours)	5%
6X Sweeper	90 Days	6 months	24 months or 2000 hr.	24 months or 2000 hours**	36 months parts + 24 months labor (or 3000 Hours) + 180 day travel	5%

Tank Bladders Eight years/ no additional labor Ten years/ no additional labor
Polyethylene plastic tanks
Batteries 0-3 months full replacement, 4-12 prorated credit
Chargers One-year replacement
Aftermarket Replacement parts Ninety days from date of purchase
***Two-Hour Cap Per Service Call**

****Through Engine Manufacturer. See Section 3 of Warranty Manual for Engine Warranty**

Exceptions * Based Upon Dealer's Certification Status:**

**Extended Warranty MUST Be Signed Up Within 30 Days of Delivery to End User
(Dealer Has 1Year From Receiving Machine To Sign Up For Extended Warranty)**

*****All above labor and travel reimbursed at 65% or 75% of the published shop rate.**

“The Power of Clean”

**PowerBoss® is a Full Line Manufacturer of Sweepers and Scrubbers,
for Industrial Facilities.**

PowerBoss®, Minuteman International, Inc. 14N845 U.S. Route 20 Pingree Grove, Illinois 60140

Phone: 800-323-9420 www.PowerBoss.com Email: tech@powerboss.com

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