



Electronic Service Manuals

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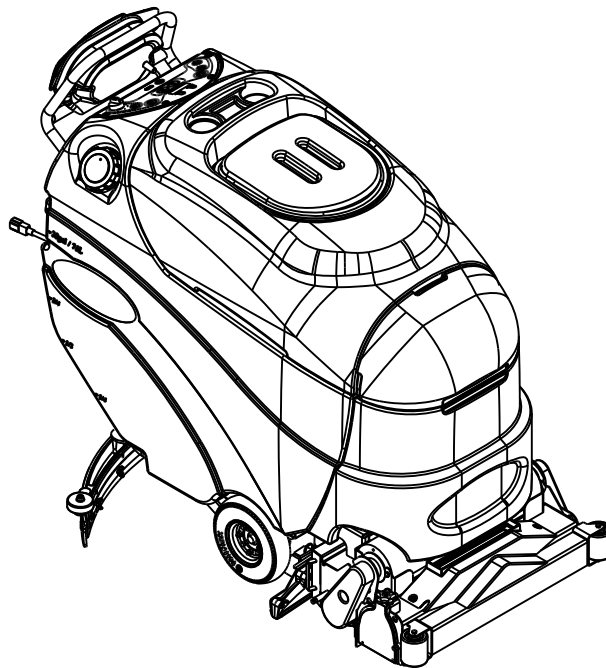
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AX 651 Multi EDS

PARTS LIST



Nilfisk MODEL 56317003

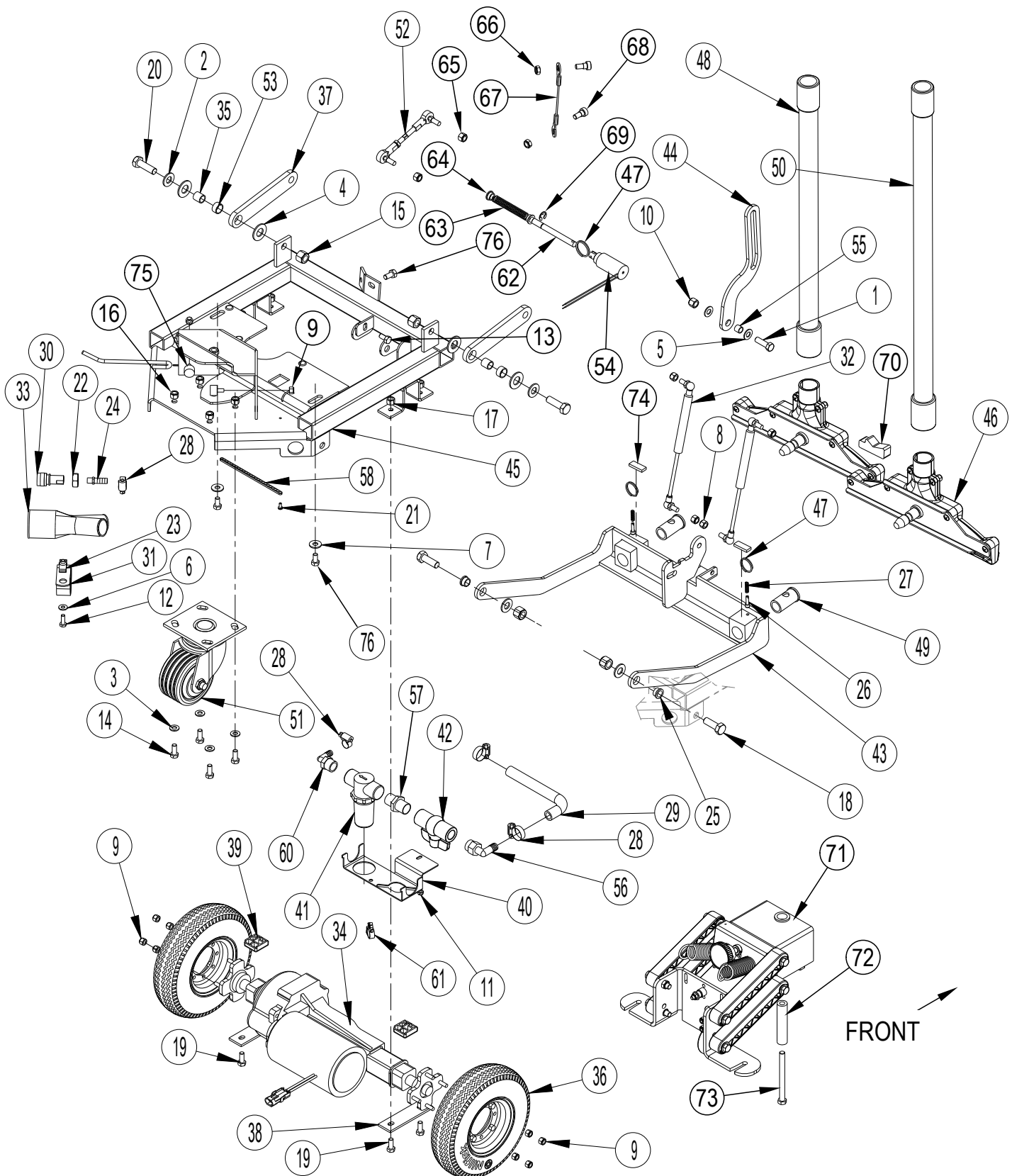
4/08 revised 3/11
FORM NO. 56042497

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WHEN ORDERING PARTS

- * Use the part numbers from the "Ref. No." columns in this parts list.
- * Specify the model and serial number of the machine.
- * Use the space below to record the model and serial number for future reference.

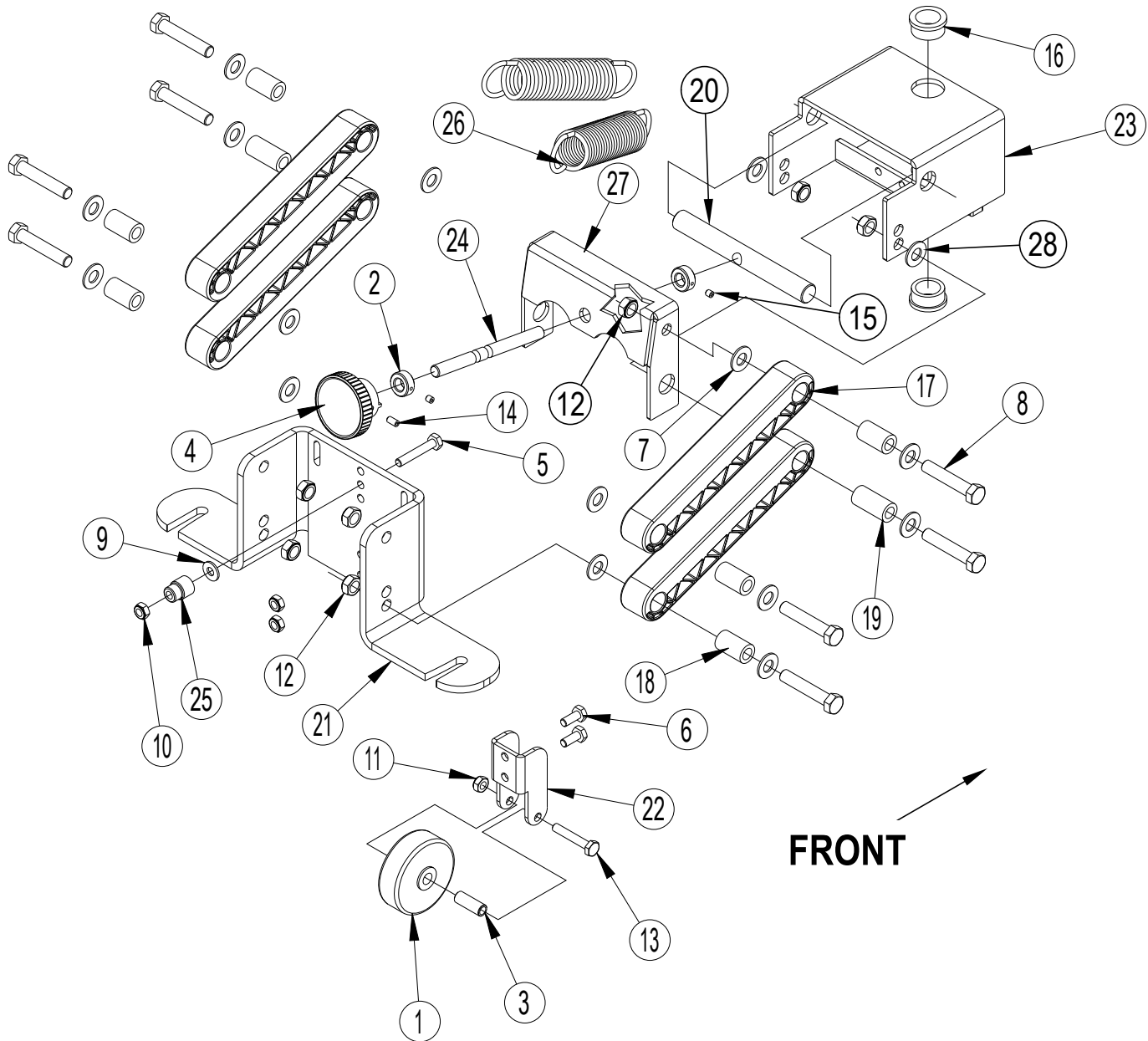
Model _____ Serial No. _____



08-4	CHASSIS SYSTEM			
11-3	AX 651 Multi EDS			3

Item	Ref. No.	Qty	Description	Item	Ref. No.	Qty	Description
1	56001858	1	Scr, Hex 3/8-16 x 1.25	41	56315296	1	Solution Filter
2	56001879	4	Wsh, Flt SAE 1/2	42	56381475	1	Ball Valve NOTE 1
3	56001939	4	Wsh, Flt SAE 5/16	43	56317029	1	Shoe Support Weld't
4	56002022	4	Wsh, Flt SAE 5/8	44	56317035	1	Link, Lift
5	56002063	2	Wsh, Flt SAE 3/8	45	56317039	1	Chassis Weldt
6	56002098	1	Wsh, Flt SAE 1/4	46	56317041	2	Shoe Assembly TSBUS2008-999
7	56002220	2	Wsh, Flt STD 5/16	[]#	56317097	2	Replacement Shoe (for 56317041)
8	56002701	4	Nut, Hex Nyl Loc 5/16-18	[]#	56317063	2	Shoe Bracket Weld't. (for 56317041)
9	56002708	10	Nut, Hex Nyl Loc 1/4-20	47	56317071	3	Ring
10	56002769	1	Nut, Hex Nyl Loc 3/8-16	48	56317091	1	Hose, Vac
11	56002832	1	Nut, Hex Nyl Loc-Thin 10-24	49	56317092	2	Bearing, Flange
12	56002948	1	Scr, Hex Hd Loc 1/4-20 x .75	50	56317093	1	Hose, Vac
13	56002988	1	Scr, Hex SS 5/16-18 x .62	51	56317121	1	Caster Swiv 4.0 x 2.0
14	56003179	4	Scr, Hex Thd To Hd M8-1.25 X 20mm	52	56317127	1	Turnbuckle
15	56003312	4	Nut, Hex Nyl Loc M12-1.75	53	56370878	2	Bearing, Sleeve
16	56003389	4	Nut, Hex Nyl Loc M8-1.25	54	56317100	1	Solenoid, Pull Type (L3)
17	56003405	4	Nut, Hex Nyl Loc SS M8-1.25	55	56388326	1	Bushing
18	56003415	2	Scr, Hex M12-1.75 x 35mm	56	56409152	1	Barb, 90 Elbow 1/2 x 1/2npt
19	56003435	4	Scr, Hex SS M8-1.25 x 20mm	57#	56381474	1	Nipple NOTE 1
20	56003637	2	Scr, Hex M12-1.75 x 40mm	58	56467544	1	Chain
21	56009030	1	Scr, Pan Phil Thd Form 10-24 x .38	60	56900033	1	Barb, 90 Elbow 3/8 x 1/2npt
22	56009078	1	Nut, Hex Jam SS 5/8-18	61	56900756	1	Clip, Conduit
23	56009289	1	Nut, Retainer 1/4-20	62	56317070	1	Rod, Latch
24	56104299	1	Barb, Adapter 3/8 x 1/8 Npt	63	56317067	1	Spring, Compression
25	56185264	2	Bearing, Flange	64	56324505	2	Bearing, Flange
26	56317139	2	Pin	65	56002950	2	Nut, Hex Nyl Loc 5/16-24
27	56201448	2	Spring, Compression	66	56002826	2	Nut, Hex Nyl Loc-Thin 5/16-18
28	56219932	4	Clamp, Hose SAE #6	67	56304126	1	Cable Assy
29	56262180	1	Hose, Spiral .500	68	56003730	2	Scr, Soc Hd .38 x .25 x 5/16-18
30	56265208	1	Socket, 1/8 FPT	69	56003262	1	Ring, Ret Ext Type E .38 Dia
31	56305492	1	P-Clamp	70	56317156	1	Shoe Spacer, Foam
32	56314206	2	Gas Spring	71	56315165	1	Assy, Squeegee Linkage
33	56314557	1	Y-Tube	72	56315154	1	Bushing, Spacer
34	56315062	1	Transaxle, 24V (M8)	73	56009241	1	Scr, Hex 3/8-16 x 4.25
[]#	56315377	1	Motor (for 56315062)	74	56317164	2	Foam Strip
[]#	56315378	4	Carbon Brush (for 56315062)	75	56315111	2	Cylindrical Mount
[]#	56315379	2	Neoprene Mounting Sleeve (for 56315062)	76	56003012	3	Scr, Hex SS 5/16-18 x .75
[]#	56380497	A/R	Transaxle Kit (for 56315062) TSBUS2008-1014	[] = Not Shown # = Revised or new since last update			
[]#	56380503	A/R	Transaxle Hub Kit (for 56315062) TSBUS2008-1018				
[]#	56380161	1	Kit-Coupling				
35	56315080	2	Bushing				
36	56315115	2	Wheel, Drive				
37	56315179	2	Linkage Arm				
38	56380499	2	Plate				
39	56315258	2	Shim				
40	56381476	1	Bracket, Filter Mount NOTE 1				

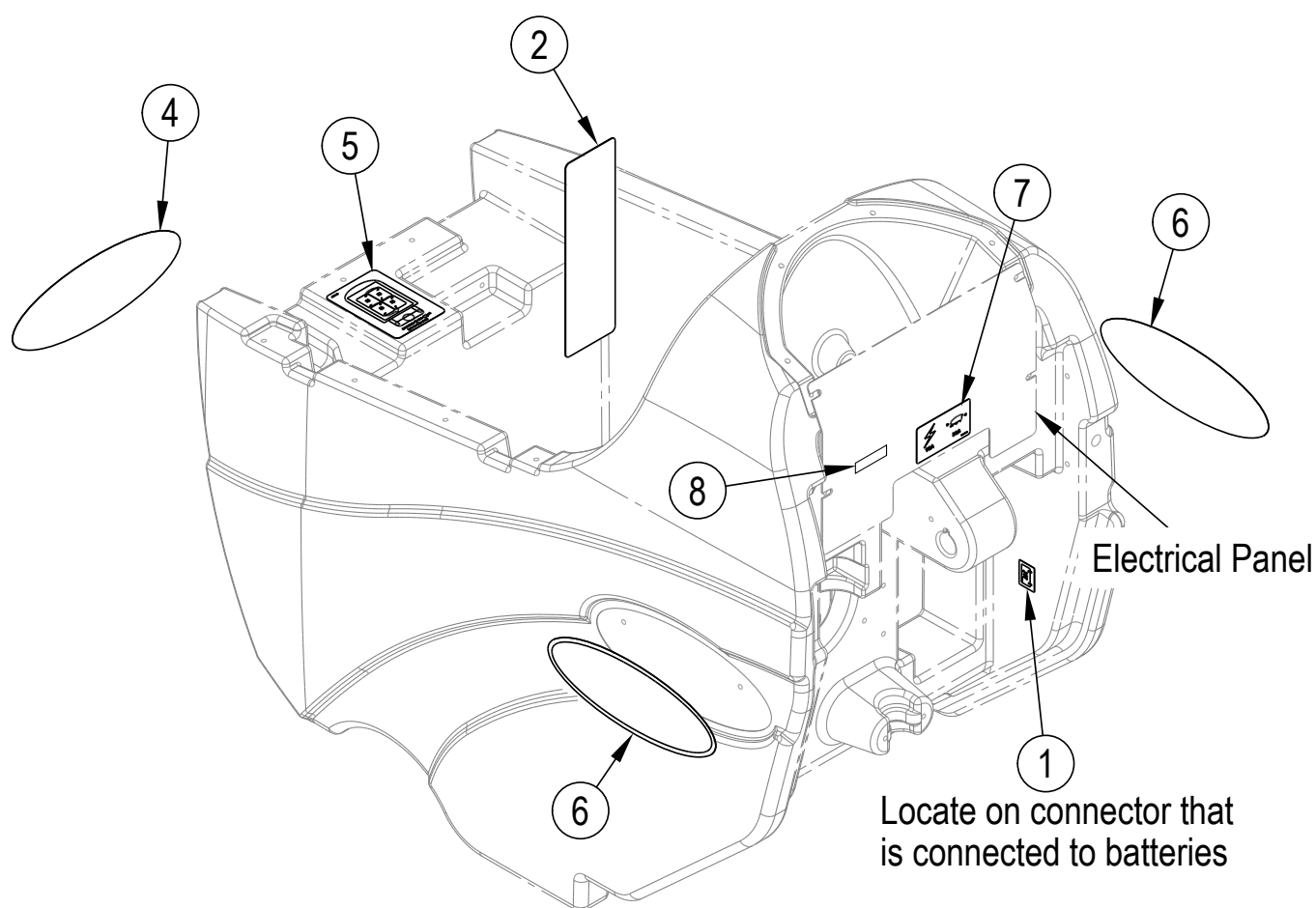
NOTE 1: Ball Valve 56381475 has replaced Ball Valve 56315607. When replacing 56315607 please order Ball Valve Bracket Kit 56381521 which includes items (40, 42 & 57).



08-4	CHASSIS SYSTEM-SQUEEGEE LINKAGE ASSY			
10-4	AX 651 Multi EDS			5

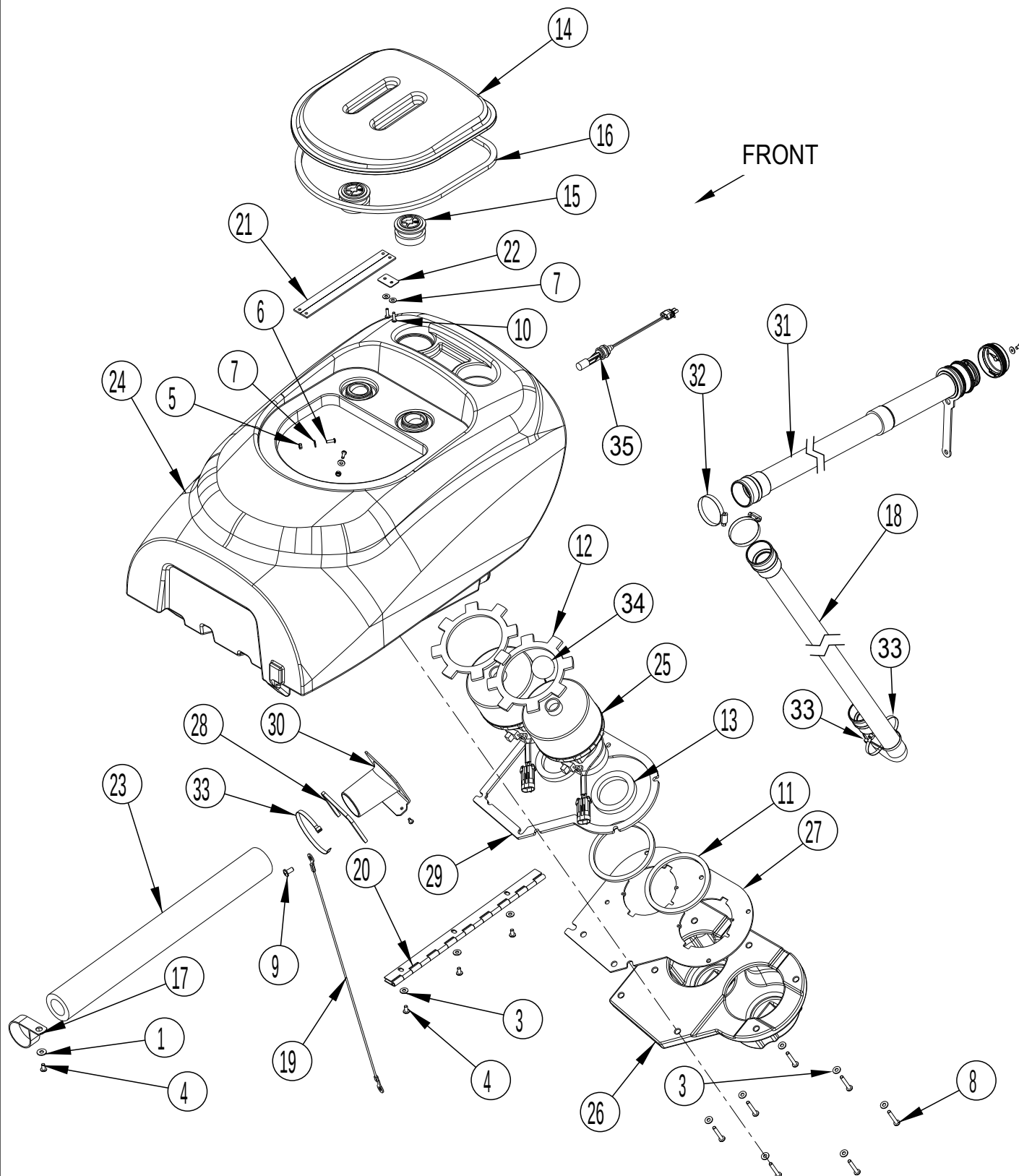
Item	Ref. No.	Qty	Description
	56315165	1	Squeegee Linkage Assembly
1	56324350	1	Wheel
2	56331076	2	Collar
3	56315580	1	Bushing
4	56475480	1	Knob
5	56001833	1	Scr, Hex 1/4-20 X 1.50
6	56001836	2	Scr, Hex 1/4-20 X .62
7	56002063	14	Wsh, Flt SAE 3/8
8	56002091	8	Scr, Hex 3/8-16 X 2.00
9	56002098	1	Wsh, Flt SAE 1/4
10	56002840	3	Nut, Hex Nyl Loc-Thin 1/4-20
11	56002850	1	Nut, Hex Nyl Loc-Thin Ss 1/4-20
12	56002852	8	Nut, Hex Nyl Loc-Thin Ss 3/8-16
13	56002880	1	Scr, Hex Loc SS 1/4-20 X 1.75
14	56003123	1	Scr, Soc Set 10-2 4x .38
15	56009084	2	Scr, Soc Set Loc 10-24 X .19
16	56250414	2	Bearing, Flange
17	56315941	4	Linkage Arm, Molded
18	56315067	6	Spacer, Phenolic
19	56315068	2	Spacer, Phenolic
20	56315082	1	Pin
21	56315151	1	Bracket, Squeegee Mount
22	56315153	1	Bracket, Wheel
23	56315196	1	Weldment, Squeegee
24	56315240	1	Rod, Adjustment
25	56315245	1	Bushing, Squeegee Cable
26	56315295	2	Spring, Extension
27	56315713	1	Bracket, Squeegee Level
28	56002940	2	Wsh, Flt SAE SS 5/8

			DECAL SYSTEM	08-4
6			AX 651 Multi EDS	10-11



08-4	DECAL SYSTEM			
10-11	AX 651 Multi EDS			7

Item	Ref. No.	Qty	Description
1	56054192	1	Decal, Charger
2	56014601	1	Decal, Caution
4	56317130	1	Decal, Nilfisk
5	56380515	1	Decal, Battery Wiring
6	56317129	2	Decal, AX651 Multi EDS
7	56317131	1	Decal, Circuit Breaker
8	56014450	1	Decal, Patent



08-4	RECOVERY SYSTEM			
11-3	AX 651 Multi EDS			9

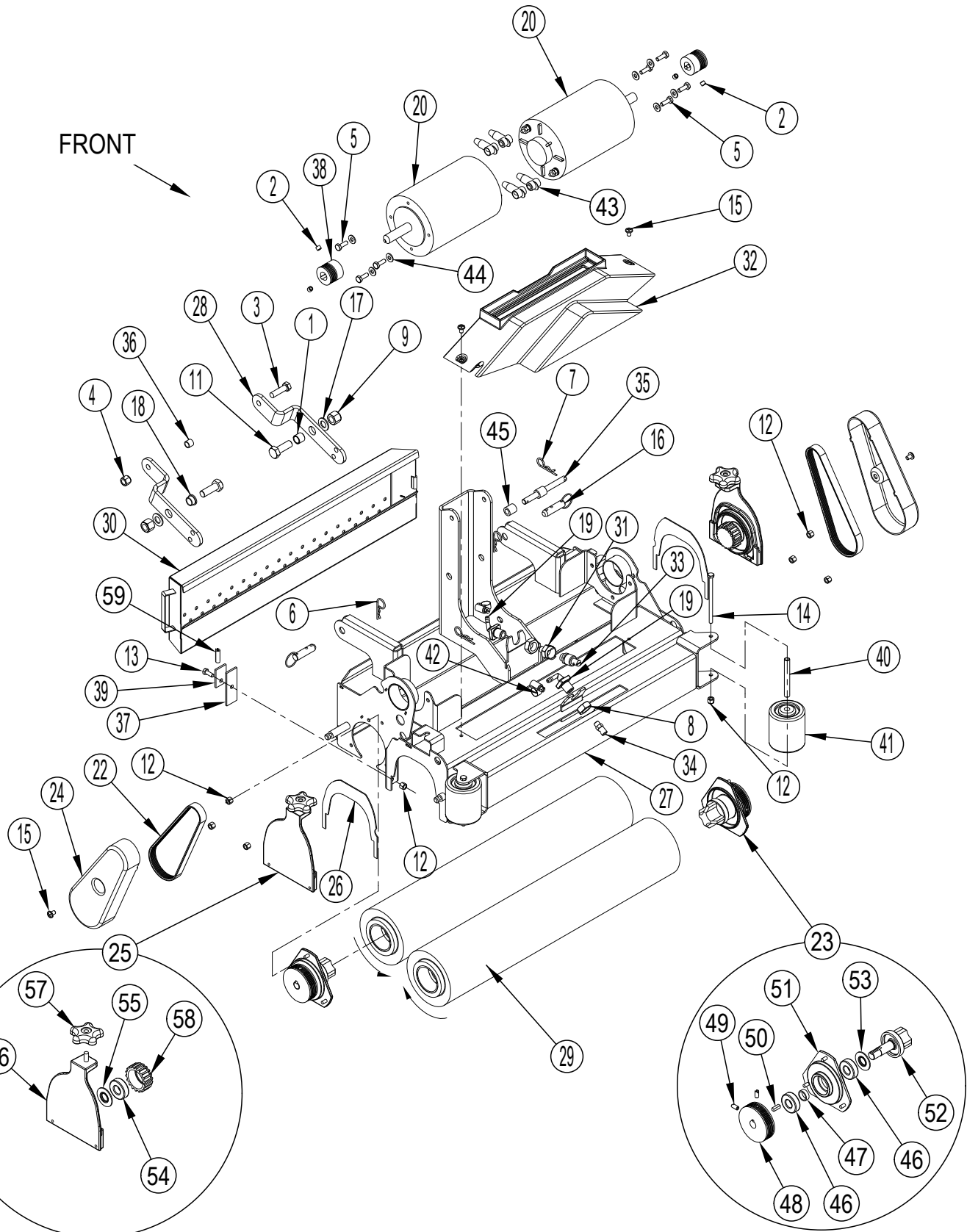
Item	Ref. No.	Qty	Description
1	56001906	1	Wsh, Flt STD 1/4
2	56002043	2	Scr, Pan Phil 10-24 X .38
3	56002098	10	Wsh, Flt SAE 1/4
4	56002145	4	Scr, Pan Phil 1/4-20 X .50
5	56002849	2	Nut, Hex Nyl Loc-Thin SS 10-24
6	56002896	2	Scr, Pan Phil SS 10-24 X .62
7	56002919	4	Wsh, Flt Std SS #10
8	56002997	7	Scr, Pan Phil 1/4-20 X 1.75
9	56003003	1	Scr, Pan Phil 5/16-18 X .62
10	56009005	2	Scr, Pan Phil SS Type Ab 10-16 X .75
11	56212143	2	Gasket, Vacuum Duct
12	56264103	2	Gasket, Vacuum Motor
13	56314760	2	Gasket, Vacuum Duct
14	56315176	1	Cover, Recovery Tank
15	56315099	2	Screen, Fan Inlet
16	56315220	1	Gasket, Recovery Lid
17	56315257	1	Clamp, P
18	56315268	1	Vac Hose Assy
19	56315272	1	Cable Assy
20	56315293	1	Hinge
21	56315303	2	Retaining, Strap
22	56315346	1	Plate
23	56317149	1	Foam, Acoustical
24	56317146	1	Tank, Recovery
25	56317133	2	Motor, Vac 24vdc W/Filter (M6 / M7)
[]	56397098	1	Carbon Brush set of 2 (for 56317133)
26	56317030	1	Cover, Vac
27	56317031	1	Plate, Vac
28	56317033	1	Gasket, Exhaust
29	56317034	1	Gasket, Cover
30	56317052	1	Tube, Exhaust
31	56601400	1	Drainhose
[]#	56601411	1	Drain Hose Cap Kit (for 56601400)
[]#	56601412	1	Drain Hose Kit (for 56601400) NOTE 1
*#	56601410	1	Drain Hose Extension (for 56601400)
32	56440213	2	Clamp, Hose SAE #32
33	56477613	3	Tie, Cable
34	56391690	1	Ball, Float
35	56315096	1	Switch, Float (S2)

[] = Not Shown

* = Optional, Not Included

= Revised or new since last update

NOTE 1: Drain Hose 56397142 has been replaced by Drain Hose 56601400 in production. When replacing 56397142 you need to order Drain Hose Kit 56601412.



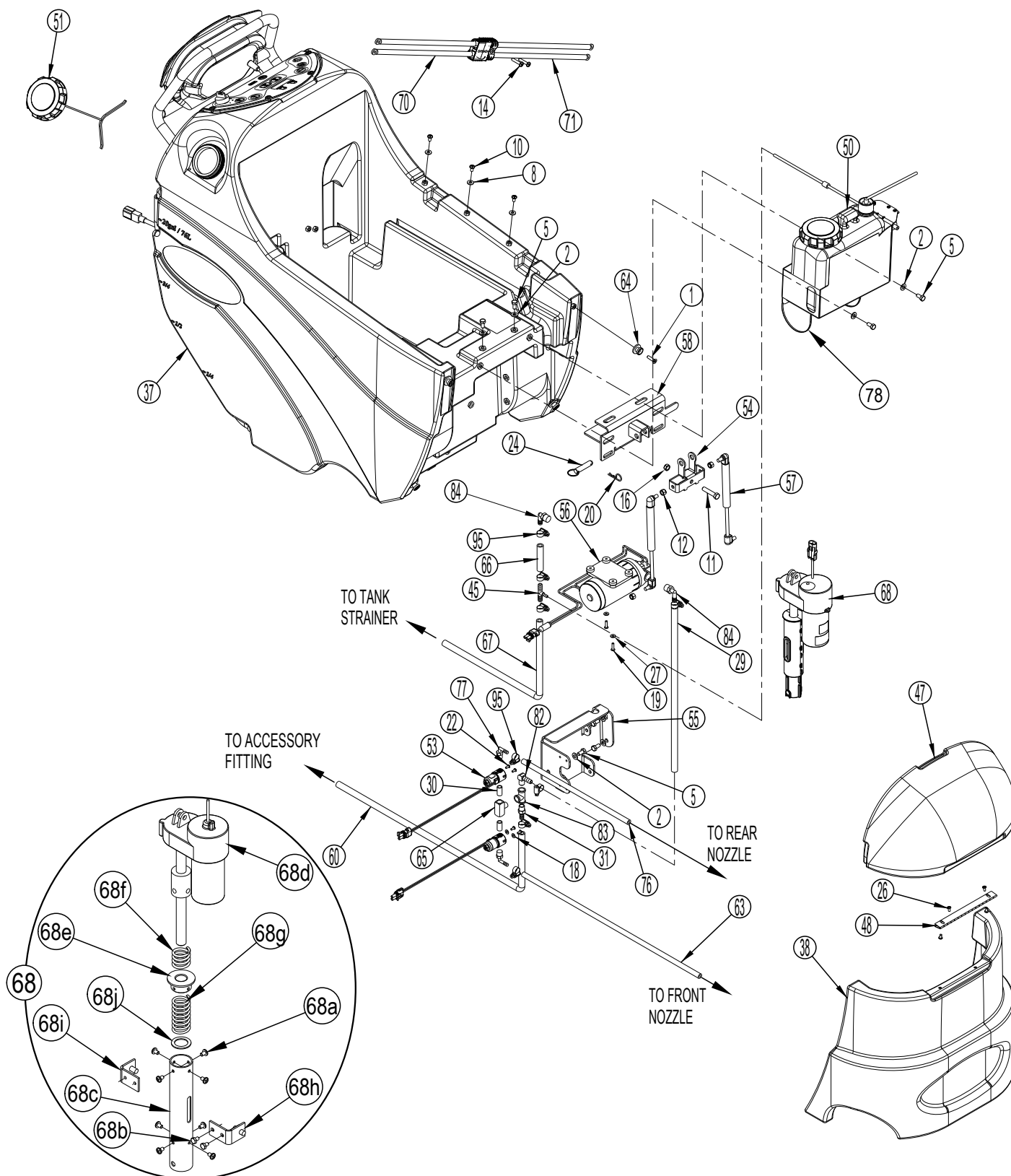
08-4	SCRUB SYSTEM			
11-3	AX 651 Multi EDS			11

Item	Ref. No.	Qty	Description	Item	Ref. No.	Qty	Description
1	56367206	1	Bushing	40	56412176	2	Bushing
2	56002086	4	Scr, Soc Set Loc 5/16-18 X .25	41	56412459	2	Wheel
3	56001858	1	Scr, Hex 3/8-16 X 1.25	42	56219932	2	Clamp, Hose SAE #6
4	56002841	1	Nut, Hex Nyl Loc-Thin 3/8-16	43	56409538	4	Insulator, Terminal
5	56002948	7	Scr, Hex Hd Loc 1/4-20 X.75	44	56009064	7	Wsh, Int Shprf 1/4
6	56002959	2	Pin, Cotter Hair	45	56317163	1	Spacer, Phenolic
7	56003120	2	Pin, Cotter Hair .0915 X .375				
8	56003272	2	Nut, Hex Jam SS 5/8-11	46	56106070	2	Bearing, Ball
9	56003312	2	Nut, Hex Nyl Loc M12-1.75	47	56407389	1	Spacer
11	56003415	2	Scr, Hex M12-1.75 X 35mm	48	56316054	1	Sheave, Poly-V TSBUS2008-1000
12	56003426	10	Nut, Hex Nyl Loc SS M6-1	49	56002119	2	Scr, Soc Set Loc 1/4-20 x .50
13	56003431	2	Scr, Hex SS M6-1 X 16mm	50	56003237	1	Key, Sq. .19 x .62
14	56003492	2	Scr, Hex M6-1 X 95mm	51#	56381765	1	Bearing Plate
15	56003603	4	Scr, Pan Phil Thd Form 1/4-20 X .38	52	56109527	1	Spindle
16	56003671	2	Pin, Ring .50 X 1.25	53	56407558	1	Washer, Bearing
17	56009003	2	Wsh, Flt .516 X .938 X .075				
18	56185264	1	Bearing, Flange	54	56106070	1	Bearing, Ball
19	56265388	2	Elbow, Panel Mount	55	56407558	1	Washer, Bearing
20	56315061	2	Motor, 24 Vdc, .5 Hp, 1800 RPM (M4 / M5) TSBUS2010-1058	56	56315447	1	Idler Bearing Plate
[]#	56412287	1	Brush / Spring Kit (for 56315061) NOTE 1	57	56396254	1	Knob
[]#	56380003	1	Brush / Spring Kit (for 56315061) NOTE 1	58	56407551	1	Hub
21	56315320	2	Harness, Brush				
22	56316053	2	Belt, Auto Tension TSBUS2008-1000	59	56317158	2	Channel, Rubber
23	56317157	2	Drive End Assy (#46-53)				
[24]	56315445	2	Cover, Belt				
25	56315448	2	Idler End Assy (#54-58)				
26	56316191	2	Gasket				
27	56317021	1	Housing Weldment 24"				
28	56317036	2	Link, Pivot				
29	56317047	2	Brush, Multi-Surface				
30	56317049	1	Hopper Weld't, Extractor				
31	56317053	1	Body, Nozzle Qjja				
32	56317054	1	Cover, Nozzle				
33	56317064	1	Nozzle, Spray #1				
34	56265052	1	Nozzle, Spray				
35	56317084	1	Pin, Actuator				
36	56388326	1	Bushing				
37	56407391	2	Blade				
38	56316066	2	Sheave, Poly-V				
39	56410214	2	Strap				

[] = Not Shown

= Revised or new since last update

NOTE 1: If your cylindrical scrub motor has a serial tag from Scott Motors Co. (4BB1344) order Carbon Brush Set 56412287.
If your cylindrical scrub motor has a serial tag from Nilfisk-Advance (ZD22000) order Carbon Brush Set 56380003.



08-4	SOLUTION SYSTEM-ELECTRICAL-1			
11-3	AX 651 Multi EDS			13

Item	Ref. No.	Qty	Description	Item	Ref. No.	Qty	Description
1	56001832	4	Scr, Flt Phil 1/4-20 X 1.00	60	56317083	1	Hose, 33"
2	56009122	7	Wsh, Flt	61	56317098	1	Assembly, Paddle
3	56001954	2	Wsh, Flt Sae #10	62	56317107	1	Control Panel Assy (A1)
4	56001993	2	Scr, Pan Phil 10-24 X .50	*	56317117	1	Replacement Membrane Switch Assy for 56317107
5	56002667	7	Scr, Hex 5/16-18 X .75	63	56317122	1	Hose, 1/4 X 25.00 Long
6	56002066	7	Scr, Pan Phil 1/4-20 X .62	64	56365777	4	Lug, Brush Driver
7	56002094	4	Scr, Hex 5/16-18 X 1.50	65	56372506	1	Tee, Branch 1/4 Br
8	56002098	4	Wsh, Flt Sae 1/4	66	56387214	1	Hose, 3.0" _E00169
9	56002124	12	Scr, Pan Phil 10-24 X .62	67	56391773	1	Hose, 23"
10	56002145	5	Scr, Pan Phil 1/4-20 X .50	68	56317161	1	Lift Actuator Assembly (M3 / 68a-68j) TSBUS2008-997
11	56002684	1	Scr, Hex 3/8-16 X 1.75	68a	56003603	8	Scr, Pan Phil Thd Form 1/4-20 x .38
12	56002826	4	Nut, Hex Nyl Loc-Thin 5/16-18	68b	56009019	2	Scr, Hex Thd Form 1/4-20 x .38
13	56002708	4	Nut, Hex Nyl Loc 1/4-20	68c	56317162	1	Tube
14	56002825	2	Scr, Pan Phil 1/4-20 X 1.25	68d	56393303	1	Actuator, Motor
15	56002832	2	Nut, Hex Nyl Loc Thin 10-24 NOTE 2	*	56388520	1	Plastic Nut
16	56002841	1	Nut, Hex Nyl Loc-Thin 3/8-16	68e	56396268	1	Spring Housing Guide
18	56002875	2	Wsh, Flt Sae Ss #8	68f	56412071	1	Compression Spring
19	56002894	2	Scr, Pan Phil Ss 10-24 X .75	68g	56420018	1	Compression Spring
20	56002959	1	Pin, Cotter Hair	68h	56420019	1	Nut Retainer
22	56003018	4	Scr, Pan Phil Ss 8-32 X .38	68i	56420020	1	Nut Retainer
24	56003679	1	Pin, Ring .50 X 1.63	68j	56748926	1	Wsh, Flt .075 x 1.03 x 1.50
25	56009030	3	Scr, Pan Phil Thd Form 10-24 X .38	69	56396143	1	Hose, Pvc
26	56009139	4	Scr, Pan Phil Loc 10-24 X .38	70	56397187	1	Connector Assy (connected to batteries)
27	56009205	2	Wsh, Flt Ss .219 X .500 X .047/.062	71	56397188	1	Connector Assy (connected to machine)
28	56009206	4	Scr, Truss Phil-Blk 10-24x.50	72	56407361	1	Clamp, Plastic
29	56054146	1	Tube, Vinyl	73	56409152	1	Barb, 90 Elbow 1/2 X 1/2npt
30	56150223	2	Nipple, 1/4npt X .88/1.12	74	56410166	2	Clamp,P
31	56155640	1	Barb, Adapter 3/8 X 1/4npt	76	56456560	1	15.00" Hose
33	56244969	1	Clamp, Hose Sae #12	77	56470138	2	Barb, 90 Elbow 1/4 X 1/4npt
34	56264442	1	Barb, 90 Elbow 3/4 X 3/8npt	78	56478523	2	Tie, Cable
35	56303553	1	Key Switch Assembly (S1)	79	56486112	2	Clamp,P
[]	56303526	A/R	Set of 2 Replacement Keys	80	56507644	1	Circuit Breaker, 10 Amp (CB1)
37	56315089	1	Tank, Solution TSBUS2008-1017	82	56756739	1	Elbow,90 Barb Male
*	56109561	1	Solution Tank Kit NOTE 4	83	56900027	1	Tee, Female Union
38	56315104	1	Nose Cone, 24-26 Commercial	84	56900035	2	Barb, 90 Elbow 3/8 X 3/8npt
40	56315124	1	Charger, On-Board 24v TSBUS2007-979 / TSBUS2008-984 / TSBUS2008-1008	86	56315121	1	Guide, Cable
41	56315206	1	Bracket, Charger	87	56002840	1	Nut, Hex Nyl Loc-Thin 1/4-20 NOTE 1
42	56109502	1	Panel, Electrical NOTE 2	88	56315243	1	Cable Assy
43	56315256	1	Circuit Breaker, 30 Amp (CB2)	89	56315245	1	Bushing, Squeegee Cable NOTE 1
44	56109553	1	Plate, Circuit Breaker NOTE 3	90	56364527	1	Knob NOTE 1
45	56315265	1	Tee, Barb	91	56003266	1	Ring, Ret Ext Type E .75 Dia NOTE 1
46	56315270	1	Charger Cord, Us	92	56315193	2	Bushing, Flange NOTE 1
47	56315284	1	Cover, Chemical Bottle	93	56315236	1	Weldt, Squeegee Lift NOTE 1
48	56315285	1	Hinge	94	56002962	1	Scr, Soc Shd .38 x .62 x 5/16-18 NOTE 1
49	56315382	1	Clip, Conduit	95	56219932	8	Clamp, Hose SAE #6
50	56315501	1	Chemical Tank AS	96	56212236	1	Clamp, Plastic
51	56601599	1	Cap, Raw W/Tether	97	56315730	1	Lever, Squeegee Lift NOTE 1
53	56317024	2	Valve, Solenoid 24v (L1 / L2)	98	56003223	1	Pin, Cot Hair NOTE 1
54	56317026	1	Yoke, Actuator	99	56009117	1	Wsh, Flt 1.03 x 1.85 x .48 NOTE 1
55	56317038	1	Bracket Linkage Pivot	100	56001854	1	Scr, Hex 1/4-20 x .50 NOTE 1
56	56317045	1	Pump, 24vdc (M1)	101	56002053	6	Wsh, Flt STD #10
[]#	56109587	1	Pump Head Assy (for 56317045)				
[]#	56109588	1	Check Valve Assy (for 56317045)				
57	56317072	2	Gas Spring				
58	56317078	1	Actuator Bracket Weldt				
59	56317082	1	Assy, Electrical Box (59a-59l)				
59a	56002462	9	Scr, Pan Phil 1/4-20 X .38				
59b	56002561	4	Nut, Hex W/ Shprf 1/4-20				
59c	56003698	2	Scr, Pan Phil Thd Form 8-32 X .75				
59d	56009030	1	Scr, Pan Phil Thd Form 10-24 X .38				
59e	56009203	3	Stud, 1/4-20				
59f	56317081	1	Panel, Electrical				
59g	56317101	1	Contactor, 24vdc 100a (K2)				
59h	56317102	1	Controller, Speed (A2)				
59i	56412089	1	Fuse, 150 Amp (F1)				
59j	56469858	3	Standoff, Insulated				
59k	56317116	1	Contactor, 24vdc 200a (K1) TSBUS2008-1020				
59l	56317101	1	Contactor, 24vdc 100a (K3)				

[] = Not Shown
 * = Optional, Not Included
 # = Revised or new since last update

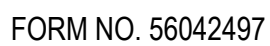
NOTE 1: As of serial number 2059967 the following items (56002962, 56364527, 56002840, 56003266, 56315193, 56315236 & 56315245) are no longer used in production. If you need to replace any of these items please order the following group of parts (56315730, 56009117, 56003223, 56001854 / items 97 through 100) in a quantity of 1 each.

NOTE 2: As of serial number 2059967 the following items (56002832, 56315222 & 56412285) are no longer used in production. If you need to replace 56315222 or 56412285 please order 56109502.

NOTE 3: 56315259 and 56315532 are no longer used in production. If you need to replace either of these items please order 56109553.

NOTE 4: If replacing the solution tank on a machine with the old style squeegee lift level (56315236), please order Solution Tank Kit 56109561.

FORM NO. 56042497



Item	Ref. No.	Qty	Description	Item	Ref. No.	Qty	Description
1	56001832	4	Scr, Flt Phil 1/4-20 X 1.00	60	56317083	1	Hose, 33"
2	56009122	7	Wsh, Flt	61	56317098	1	Assembly, Paddle
3	56001954	2	Wsh, Flt Sae #10	62	56317107	1	Control Panel Assy (A1)
4	56001993	2	Scr, Pan Phil 10-24 X .50	*	56317117	1	Replacement Membrane Switch Assy for 56317107
5	56002667	7	Scr, Hex 5/16-18 X .75	63	56317122	1	Hose, 1/4 X 25.00 Long
6	56002066	7	Scr, Pan Phil 1/4-20 X .62	64	56365777	4	Lug, Brush Driver
7	56002094	4	Scr, Hex 5/16-18 X 1.50	65	56372506	1	Tee, Branch 1/4 Br
8	56002098	4	Wsh, Flt Sae 1/4	66	56387214	1	Hose, 3.0" E00169
9	56002124	12	Scr, Pan Phil 10-24 X .62	67	56391773	1	Hose, 23"
10	56002145	5	Scr, Pan Phil 1/4-20 X .50	68	56317161	1	Lift Actuator Assembly (M3 / 68a-68j) TSBUS2008-997
11	56002684	1	Scr, Hex 3/8-16 X 1.75	68a	56003603	8	Scr, Pan Phil Thd Form 1/4-20 x .38
12	56002826	4	Nut, Hex Nyl Loc-Thin 5/16-18	68b	56009019	2	Scr, Hex Thd Form 1/4-20 x .38
13	56002708	4	Nut, Hex Nyl Loc 1/4-20	68c	56317162	1	Tube
14	56002825	2	Scr, Pan Phil 1/4-20 X 1.25	68d	56393303	1	Actuator, Motor
15	56002832	2	Nut, Hex Nyl Loc Thin 10-24 NOTE 2	*	56388520	1	Plastic Nut
16	56002841	1	Nut, Hex Nyl Loc-Thin 3/8-16	68e	56396268	1	Spring Housing Guide
18	56002875	2	Wsh, Flt Sae Ss #8	68f	56412071	1	Compression Spring
19	56002894	2	Scr, Pan Phil Ss 10-24 X .75	68g	56420018	1	Compression Spring
20	56002959	1	Pin, Cotter Hair	68h	56420019	1	Nut Retainer
22	56003018	4	Scr, Pan Phil Ss 8-32 X .38	68i	56420020	1	Nut Retainer
24	56003679	1	Pin, Ring .50 X 1.63	68j	56748926	1	Wsh, Flt .075 x 1.03 x 1.50
25	56009030	3	Scr, Pan Phil Thd Form 10-24 X .38	69	56396143	1	Hose, Pvc
26	56009139	4	Scr, Pan Phil Loc 10-24 X .38	70	56397187	1	Connector Assy (connected to batteries)
27	56009205	2	Wsh, Flt Ss .219 X .500 X .047/.062	71	56397188	1	Connector Assy (connected to machine)
28	56009206	4	Scr, Truss Phil-Blk 10-24x.50	72	56407361	1	Clamp, Plastic
29	56054146	1	Tube, Vinyl	73	56409152	1	Barb, 90 Elbow 1/2 X 1/2npt
30	56150223	2	Nipple, 1/4npt X .88/1.12	74	56410166	2	Clamp,P
31	56155640	1	Barb, Adapter 3/8 X 1/4npt	76	56456560	1	15.00" Hose
33	56244969	1	Clamp, Hose Sae #12	77	56470138	2	Barb, 90 Elbow 1/4 X 1/4npt
34	56264442	1	Barb, 90 Elbow 3/4 X 3/8npt	78	56478523	2	Tie, Cable
35	56303553	1	Key Switch Assembly (S1)	79	56486112	2	Clamp,P
[]	56303526	A/R	Set of 2 Replacement Keys	80	56507644	1	Circuit Breaker, 10 Amp (CB1)
37	56315089	1	Tank, Solution TSBUS2008-1017	82	56756739	1	Elbow,90 Barb Male
*	56109561	1	Solution Tank Kit NOTE 4	83	56900027	1	Tee, Female Union
38	56315104	1	Nose Cone, 24-26 Commercial	84	56900035	2	Barb, 90 Elbow 3/8 X 3/8npt
40	56315124	1	Charger, On-Board 24v	86	56315121	1	Guide, Cable
			TSBUS2007-979 / TSBUS2008-984 / TSBUS2008-1008	87	56002840	1	Nut, Hex Nyl Loc-Thin 1/4-20 NOTE 1
41	56315206	1	Bracket, Charger	88	56315243	1	Cable Assy
42	56109502	1	Panel, Electrical NOTE 2	89	56315245	1	Bushing, Squeegee Cable NOTE 1
43	56315256	1	Circuit Breaker, 30 Amp (CB2)	90	56364527	1	Knob NOTE 1
44	56109553	1	Plate, Circuit Breaker NOTE 3	91	56003266	1	Ring, Ret Ext Type E .75 Dia NOTE 1
45	56315265	1	Tee, Barb	92	56315193	2	Bushing, Flange NOTE 1
46	56315270	1	Charger Cord, Us	93	56315236	1	Weldt, Squeegee Lift NOTE 1
47	56315284	1	Cover, Chemical Bottle	94	56002962	1	Scr, Soc Shd .38 x .62 x 5/16-18 NOTE 1
48	56315285	1	Hinge	95	56219932	8	Clamp, Hose SAE #6
49	56315382	1	Clip, Conduit	96	56212236	1	Clamp, Plastic
50	56315501	1	Chemical Tank AS	97	56315730	1	Lever, Squeegee Lift NOTE 1
51	56601599	1	Cap, Raw W/Tether	98	56003223	1	Pin, Cot Hair NOTE 1
53	56317024	2	Valve, Solenoid 24v (L1 / L2)	99	56009117	1	Wsh, Flt 1.03 x 1.85 x .48 NOTE 1
54	56317026	1	Yoke, Actuator	100	56001854	1	Scr, Hex 1/4-20 x .50 NOTE 1
55	56317038	1	Bracket Linkage Pivot	101	56002053	6	Wsh, Flt STD #10
56	56317045	1	Pump, 24vdc (M1)				
[]#	56109587	1	Pump Head Assy (for 56317045)				
[]#	56109588	1	Check Valve Assy (for 56317045)				
57	56317072	2	Gas Spring				
58	56317078	1	Actuator Bracket Weldt				
59	56317082	1	Assy, Electrical Box (59a-59l)				
59a	56002462	9	Scr, Pan Phil 1/4-20 X .38				
59b	56002561	4	Nut, Hex W/ Shprf 1/4-20				
59c	56003698	2	Scr, Pan Phil Thd Form 8-32 X .75				
59d	56009030	1	Scr, Pan Phil Thd Form 10-24 X .38				
59e	56009203	3	Stud, 1/4-20				
59f	56317081	1	Panel, Electrical				
59g	56317101	1	Contact, 24vdc 100a (K2)				
59h	56317102	1	Controller, Speed (A2)				
59i	56412089	1	Fuse, 150 Amp (F1)				
59j	56469858	3	Standoff, Insulated				
59k	56317116	1	Contact, 24vdc 200a (K1) TSBUS2008-1020				
59l	56317101	1	Contact, 24vdc 100a (K3)				

[] = Not Shown

* = Optional, Not Included

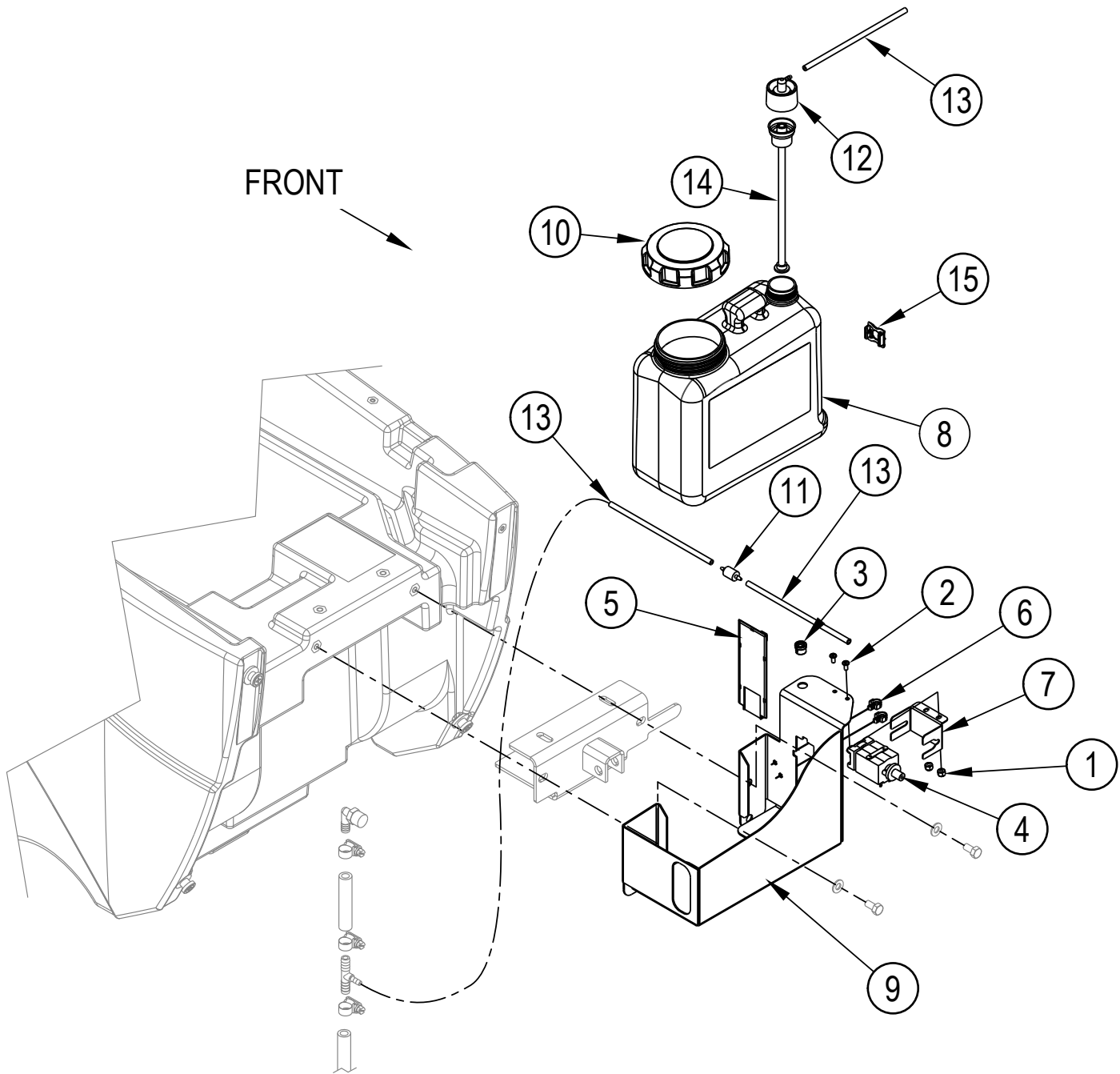
= Revised or new since last update

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NOTE 2: As of serial number 2059967 the following items (56002832, 56315222 & 56412285) are no longer used in production. If you need to replace 56315222 or 56412285 please order 56109502.

NOTE 3: 56315259 and 56315532 are no longer used in production. If you need to replace either of these items please order 56109553.

NOTE 4: If replacing the solution tank on a machine with the old style squeegee lift level (56315236), please order Solution Tank Kit 56109561.

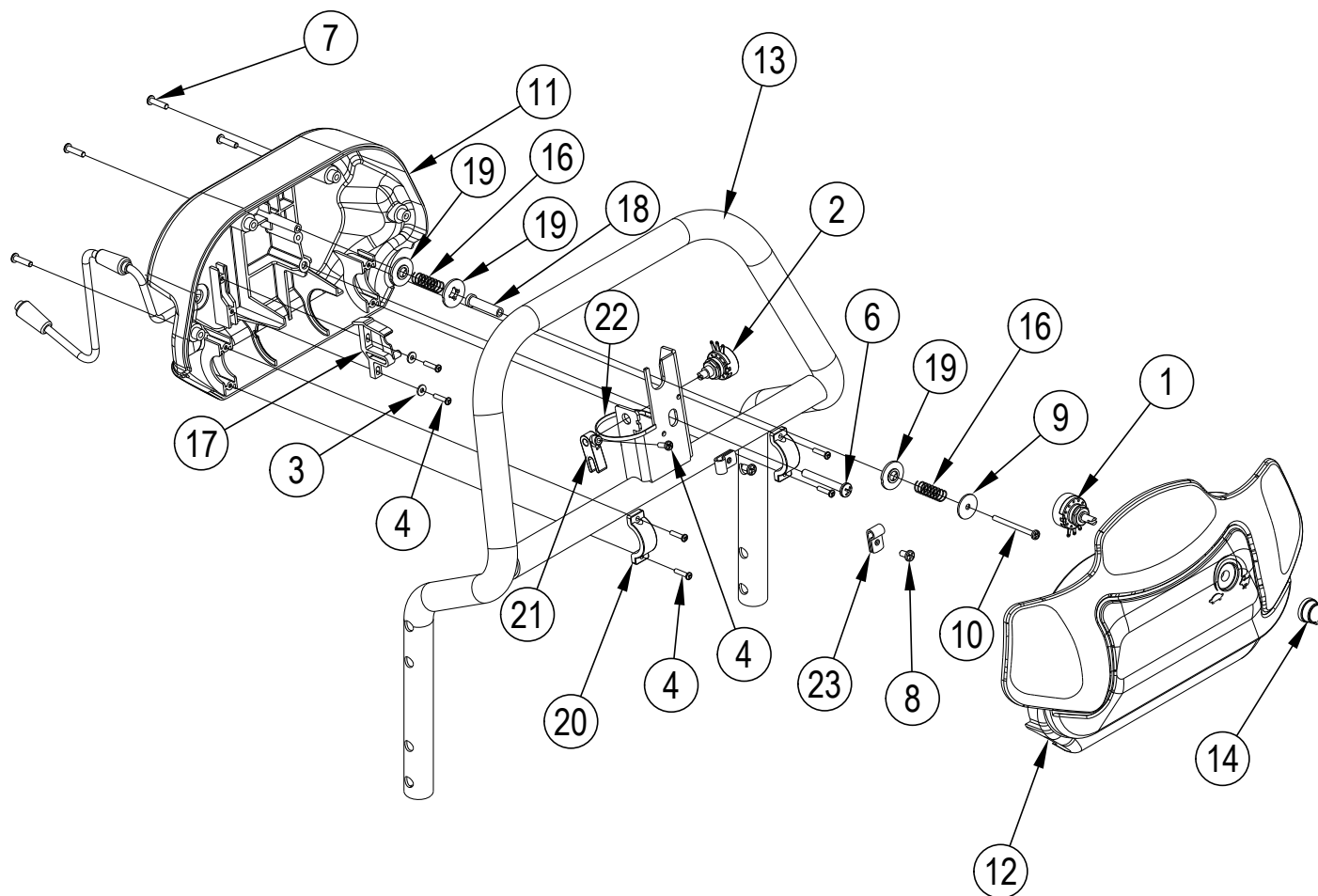


08-4	CHEMICAL ASSY			
	AX 651 Multi EDS			17

Item	Ref. No.	Qty	Description
	56315501	1	Chemical Tank Assy (1-14)
1	56002877	2	Nut, Hex Nyl Loc SS 8-32
2	56003018	2	Scr, Pan Phil SS 8-32 x .38
3	56003699	1	Bushing, 1/4 ID Snub
4	56315241	1	Pump, Chemical (M2)
5	56315340	1	Circuit Board Assy
6	56315382	2	Clip, Conduit
7	56315476	1	Bracket, Chemical Pump
8	56315502	1	Chemical Bottle As
9	56315515	1	Bracket, Tank Mounting
10	56315517	1	Cap
11	56315522	1	Check Valve, 1/8 Barb, 125PSI
12	56315523	1	Cap, Dry Break, 1/8 Barb, 90°
13	56315524	3	Hose, Chemical Resistant, 7"
14	56315527	1	Insert, Dry Break
15	56315511	1	Indicator Assy
*	56315503	A/R	Chemical Bottle Assy (8, 10, 14)

* = Optional, Not Included

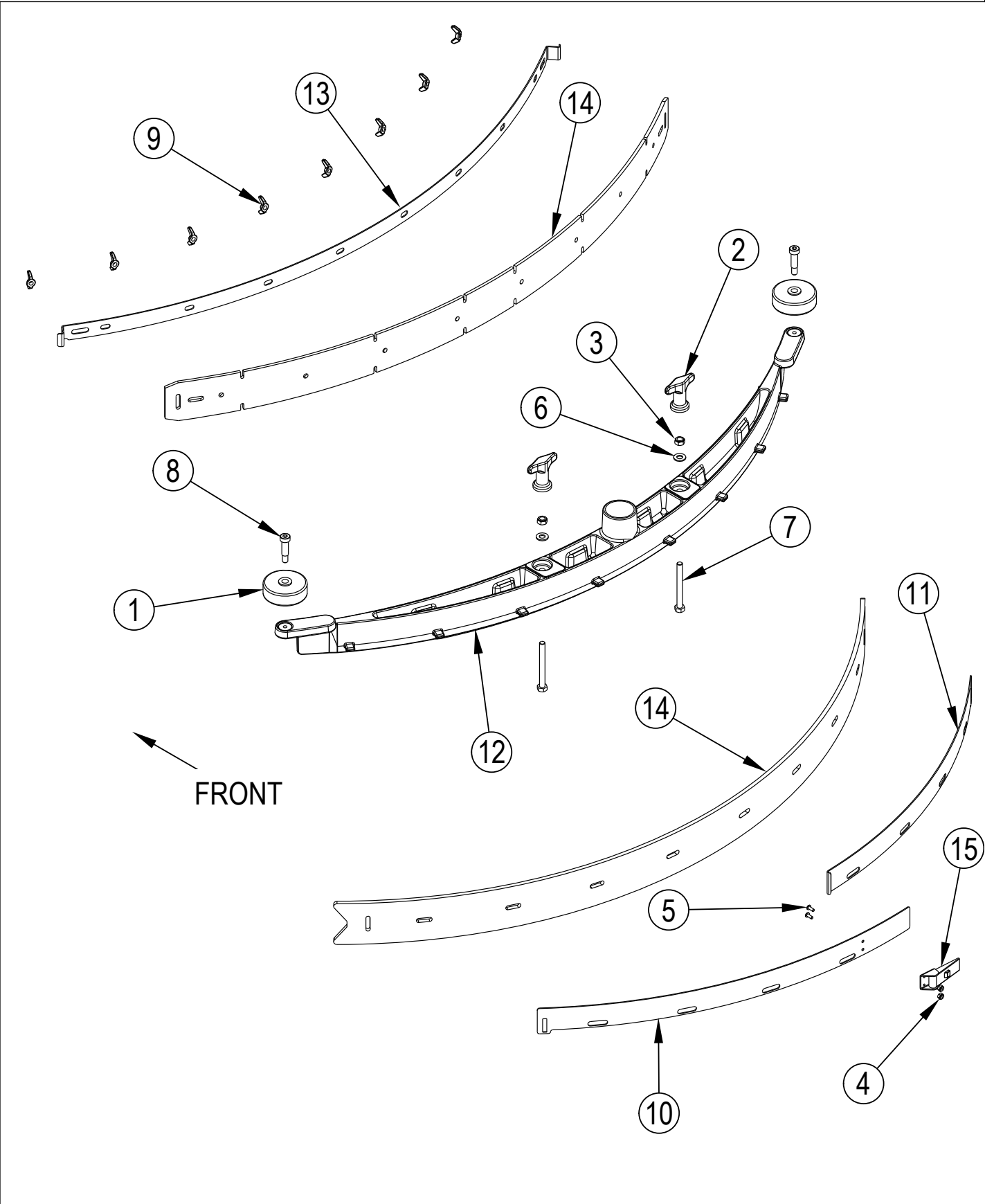
		PADDLE ASSY	08-4
18		AX 651 Multi EDS	09-8



08-4	PADDLE ASSY			
09-12	AX 651 Multi EDS			19

Item	Ref. No.	Qty	Description
	56317098	1	Assembly, Paddle
1	56396197	1	Potentiometer, 100k (R2)
2	56397029	1	Potentiometer, 5k (R1)
3	56002006	2	Wsh, Flt SAE #6
4	56003197	7	Scr, Pan Phil Plastite 6-18 X .62
6	56003527	1	Scr, Pan Phil Plastite 1/4-1 X 2.00
7	56003545	4	Scr, Pan Phil Plastite 8-10 X .75
8	56009030	2	Scr, Pan Phil Thd Form 10-24 X .38
9	56009096	1	Wsh, Flt .193 X .875 X .060
10	56009287	1	Scr, Pan Phil Type B 8 X 2.00
11	56109716	1	Paddle, Back Cover
12	56315230	1	Paddle, Front Cover
13	56315251	1	Weldment, Handle Bar
14	56315280	1	Knob
15	56317112	1	Harness, Handle
16	56325654	2	Spring, Compression
17	56397015	1	Cam Controller
18	56397109	1	Sleeve
19	56397170	3	Washer, Plastic
20	56397171	2	Clamp
21	56109648	1	Potentiometer Fork
22	56478246	1	Tie, Cable
23	56481890	2	Clamp,P

	SQUEEGEE ASSY	08-4
20	AX 651 Multi EDS	09-8



08-4	SQUEEGEE ASSY			
11-3	AX 651 Multi EDS			21

Item	Ref. No.	Qty	Description
	56315290	1	Squeegee Assembly "C" NOTE 2 (Only used on Adphibian)
1	56324350	2	Wheel
2	56370711	2	Nut, Thumb
3	56002851	2	Nut, Hex Nyl Loc-Thin SS 5/16-18
4	56002907	2	Nut, Hex Nyl Loc SS 6-32
5	56002909	2	Scr, Pan Phil SS 6-32x.38
6	56002938	2	Wsh, Flt SAE SS 5/16
7	56003736	2	Scr, Hex Thd to Hd SS 5/16-18 x 3.00
8	56003472	2	Scr, Soc Shd .38 X 1.00 X 5/16-18
9	56009111	6	Nut, Wing SS 1/4-20
10	56109664	1	Strap-Left Rear "C" NOTE 2 / TSBUS2009-1037
11	56109665	1	Strap-Right Rear "C" NOTE 2 / TSBUS2009-1037
12	56314325	1	Squeegee Tool, Cast "C" TSBUS2008-998
13	56314322	1	Strap, Front "C"
14	56315348	1	Squeegee Blade kit NOTE 1
15	56471194	1	Latch Assembly / TSBUS2009-1037

Squeegee Blade Kits

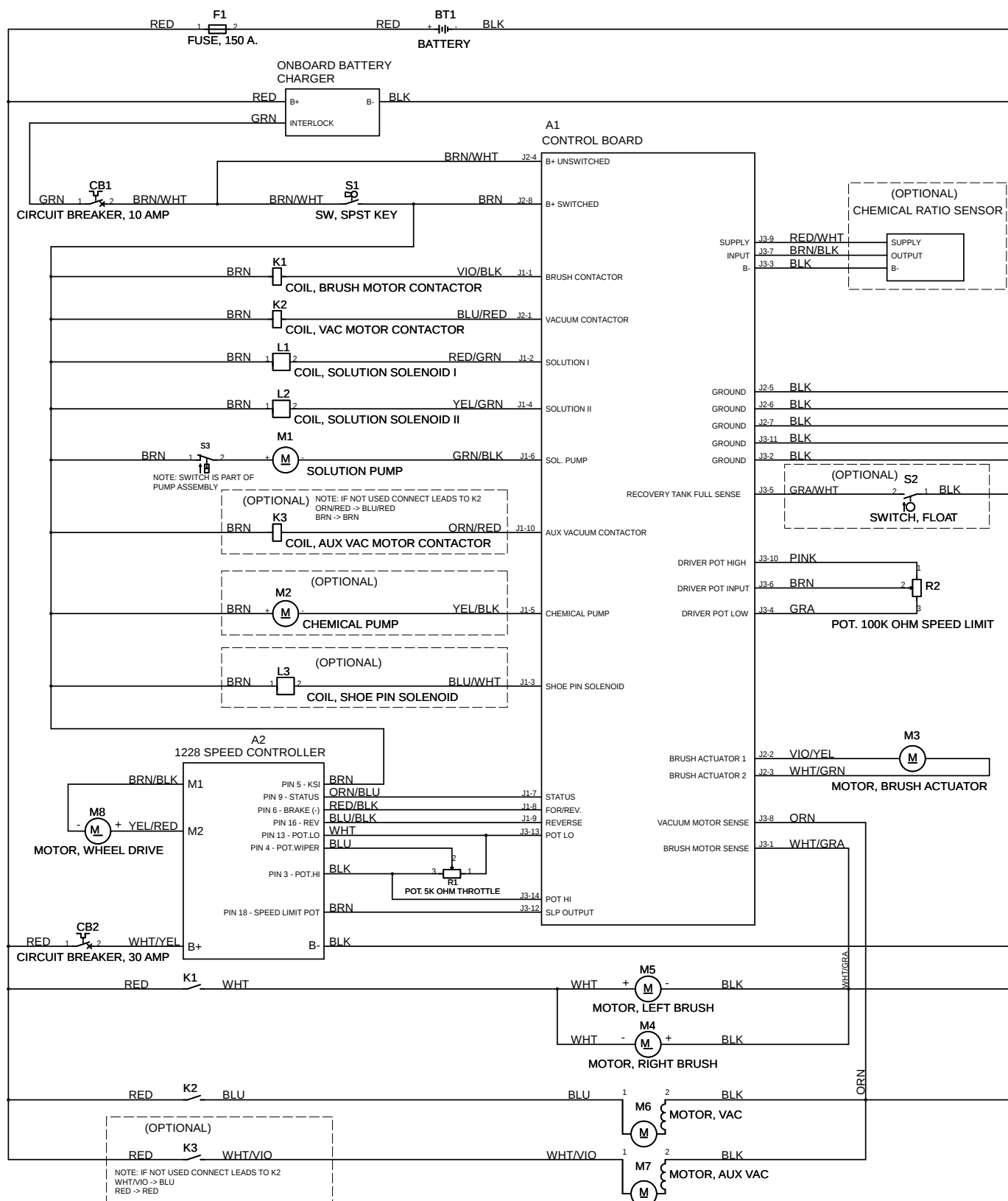
#	56315348	1	Kit, Gum Rubber Squeegee Blade NOTE 1
*#	56315352	1	Kit, Red Gum Rubber Squeegee Blade NOTE 1
*	56315855	1	Kit, Squeegee Blade PU C NOTE 1

* = Optional, Not Included

= Revised or new since last update

NOTE 1: All squeegee blade kits include both front and rear squeegee blades.

NOTE 2: To replace all squeegee straps as a set order 56109666-Strap Kit-C
This kit includes both rear straps, front strap and the latch.



08-4	LADDER DIAGRAM			
11-3	AX 651 Multi EDS			23

Item	Ref. No.	Qty	Description
A1	56317107	1	Control Panel Assy
A2	56317102	1	Speed Control
BT1	NA	4	Battery (see "Optional Kits & Accessories" page)
CB1	56507644	1	Circuit Breaker, 10 Amp
CB2	56315256	1	Circuit Breaker, 30 Amp
F1	56412089	1	Fuse, 150 Amp
K1	56317116	1	Contactor, Brush Motor TSBUS2008-1020
K2	56317101	1	Contactor, Vac Motor
K3	56317101	1	Contactor, Aux Vac Motor
L1	56317024	1	Solenoid 1, Solution
L2	56317024	1	Solenoid 2, Solution
M1	56317045	1	Pump, Solution
M2	56315241	1	Pump, Chemical
M3	56317161	1	Lift Actuator Assembly TSBUS2008-997
M4	56315061	1	Motor, 24 Vdc, .5 Hp, 1800 RPM (Right) TSBUS2010-1058
[]	56412287	1	Brush / Spring Kit (for 56315061) NOTE 1
[]	56380003	1	Brush / Spring Kit (for 56315061) NOTE 1
M5	56315061	1	Motor, 24 Vdc, .5 Hp, 1800 RPM (Left) TSBUS2010-1058
[]	56412287	1	Brush / Spring Kit (for 56315061) NOTE 1
[]	56380003	1	Brush / Spring Kit (for 56315061) NOTE 1
M6	56317133	1	Motor, Vac 24vdc W/Filter
[]	56397098	1	Carbon Brush set of 2 (for 56317133)
M7	56317133	1	Motor, Vac 24vdc W/Filter
[]	56397098	1	Carbon Brush set of 2 (for 56317133)
M8	56315062	1	Transaxle, 24V
[#]	56315377	1	Motor (for 56315062)
[#]	56315378	4	Carbon Brush (for 56315062)
[#]	56315379	2	Neoprene Mounting Sleeve (for 56315062)
R1	56397029	1	Potentiometer, 5K Ohm, Throttle
R2	56396197	1	Potentiometer, 100K Ohm, Speed Limit
S1	56303553	1	Key Switch Assembly
[]	56303526	A/R	Set of 2 Replacement Keys
S2	56315096	1	Switch, Float NOTE 1
S3	N/A	1	Switch (part of M7)
[]	56315124	1	Charger, Onboard 24V TSBUS2007-979 / TSBUS2008-984 / TSBUS2008-1008
[]	56315747	1	Thermistor Repair Kit for 56315124
[]	56315271	1	Charger Cord, Europe
[]	56315664	1	Charger Cord, U.K
[]	56315340	1	Chemical Ratio Sensor
[]	56317109	1	Harness, Main
[]	56317115	1	Harness, Scrub Deck Ground
[]	56416445	3	Cable Assy 4 AWG (Battery Cables)
[]	56372673	8	Boot, Battery Post
[]	56478523	2	Tie, Cable
[]	56478246	9	Tie, Cable
[]	56314119	1	Spacer, Battery
[]	56315838	2	Harness, Filter
[]	56317118	1	Ferrite Bead

[] = Not Shown

= Revised or new since last update

NOTE 1: If your cylindrical scrub motor has a serial tag from Scott Motors Co. (4BB1344) order Carbon Brush Set 56412287.
If your cylindrical scrub motor has a serial tag from Nilfisk-Advance (ZD22000) order Carbon Brush Set 56380003.

			OPTIONAL KITS AND ACCESSORIES	08-4
24			AX 651 Multi EDS	11-3

Ref. No.	Qty	Description
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Optional Kits		
*	56317136	1 Kit, Scrub & Vac Tool W/Caddy
*	56315312	1 Squeegee Wand Kit
*	56317117	A/R Panel Assy
*	56315732	1 QuiQ Programmer Kit TSBUS2007-979

Replacement parts for the kits listed above can be found on each kit's associated instruction sheet.

Squeegee Kits		
#	56315348	1 Kit, Gum Rubber Squeegee Blade NOTE 1
*#	56315352	1 Kit, Red Gum Rubber Squeegee Blade NOTE 1
*	56315855	1 Kit, Squeegee Blade PU C NOTE 1
*	56109666	1 Strap Kit-C
Scrub Brushes		
*	56314389	2 Soft Nylon
*	56314390	2 Hard Nylon
*	56314391	2 Prolene
*	56314392	2 180 Midlite
*	56314393	2 80 DynaGrit
*	56314394	2 46 MagnaGrit
*	56317047	2 Multi-Surface
Accessories		
*	56315316	A/R Tote Bag
*	56409441	A/R Programmer, 1307 User
*	56409823	A/R Programmer Cable
*#	56044398	1 Literature Pack
Optional Batteries		
*	80567000	1 Battery, Complete 24v 70 A/H (set of 2) TSBUS2008-984
*	80567600	1 Battery, Complete 24v 85 A/H (set of 2) TSBUS2008-984
*	80569902	1 Battery, Complete 24v 128 A/H TSBUS2008-984
*	80564300	2 Battery, 12v 70 A/H TSBUS2008-984
*	80564800	2 Battery, 12v 85 A/H TSBUS2008-984
Optional Battery Chargers		
*	80547300	1 Charger, 24vdc, 20 Amp, 230vac (UK) TSBUS2008-984
*	80546800	1 Charger, 24vdc, 20 Amp, 230vac (EU) TSBUS2008-984

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NOTE 1: All squeegee blade kits include both front and rear squeegee blades.

We provide brushes and pad holders that will give you the best possible performance between machine and floor. Following are descriptions of the materials and their applications.

Soft Nylon Brush:	Least aggressive brush available. Used on soft-finish floors where a more aggressive brush would leave scratch marks, or in applications requiring very light cleaning.
Hard Nylon Brush:	Cleaning action similar to polypropylene. More durable and wear-resistant than polypropylene.
Polypropylene Brush:	Standard for carpet only models. Low cost, yet effective cleaning for carpeted areas and many common floor surfaces.
180 Grit Brush:	Least aggressive grit brush. Used for daily cleaning of hard-finished floors.
80 Grit Brush:	Medium aggressive grit brush. Good all-around brush for medium to heavy buildup removal. Can also be used for general stripping operations.
46 Grit Brush:	Most aggressive grit brush. Used primarily to clean heavy buildup on concrete floors in factories, or for heavy stripping of finish.
Multi-Surpose:	Standard for multi-surface models. Anti microbial brush designed for all flooring surfaces.

BRUSHES

56314389 - Soft Nylon
 56314390 - Hard Nylon
 56314391 - Prolene
 56314392 - 180 Grit
 56314393 - 80 Grit
 56314394 - 46 Grit
 56317047 - Multi-Surface

CYLINDRICAL BRUSH APPLICATION GUIDE (SUGGESTION ONLY)

Application	46 Grit	80 Grit	180 Grit	Polypro- pylene	Stiff Nylon	Soft Nylon	Multi Surface
Stripping:							
Concrete	X	X					
Terrazzo	X	X					
Ceramic/Quarry tile		X					
Vinyl tile		X					
General Scrubbing:							
Concrete	X	X	X	X	X		
Terrazzo			X	X	X	X	X
Ceramic/Quarry tile			X	X	X	X	X
Marble			X		X	X	X
Vinyl tile			X	X	X	X	X
Raised-rubber tile			X			X	X
Extraction:							
Carpet				X		X	X

			SQUEEGEE BLADE SELECTOR GUIDE	08-4
26			AX 651 Multi EDS	11-3

Gum Rubber: Provides superior wiping action on tile, terrazzo, and polished floors.

Red Gum Rubber: Provides longest life on finished or unfinished concrete floors.

Polyurethane: Oil resistance provides superior life in applications with oily floors.

SQUEEGEE BLADE APPLICATION GUIDE(SUGGESTION ONLY)			
Performance Traits	Gum Rubber (Natural Rubber)	Red Gum Rubber (Natural Rubber)	Polyurethane/ Pentathane
Resilience	X		X
Tear Strength	X		X
Abrasion Resistance	X	X	X
Wear Resistance		X	X
Low Temp Flexibility	X	X	
High Temp Flexibility	X		X
Ozone Resistance			
Chemical Resistance			X
Applications			
Oil Resistant Applications			X
General Purpose	X	X	X
Hot Water Applications		X	X
Chemical Applications			X
Color	Tan	Red	Translucent



Nilfisk
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