



Electronic Service Manuals

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Web site: www.Michco.Com

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Serving the Cleaning Industry Since 1922

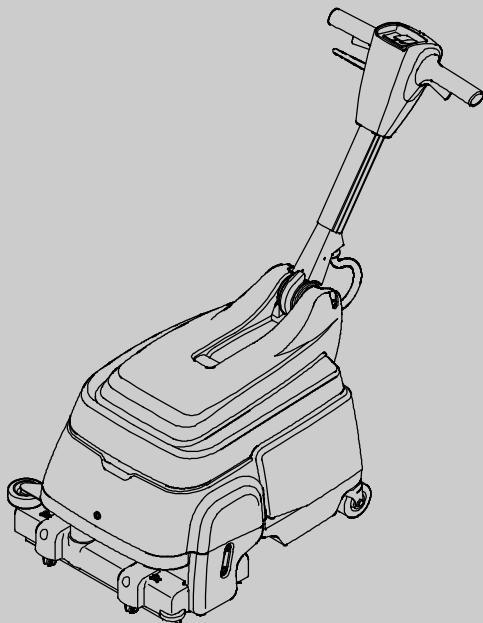
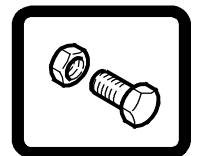
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T1 Li

Floor Scrubber

Parts Manual



Model Number: 9008231

Insta-Adjust™ Handle

Hygenic™ Cleanable Tanks

Duramer™ Tank Construction



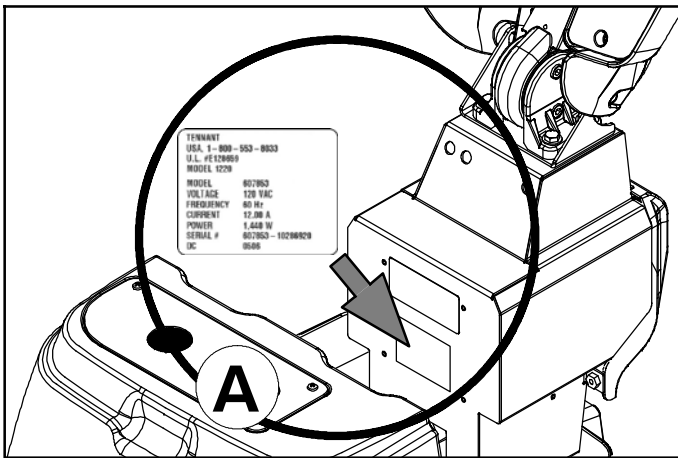
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www.tennantco.com/manuals

www.tennantco.com

9008306
Rev. 02 (06-2014)





Ref	Part No.	Serial Number	Description	Qty.
1	82681	(000000-)	Bracket Wldt, Lpg Mount	1
2	63810	(000000-)	Latch Assy, Lpg Tank Mtg, W/Nut	4
3	51839	(000000-)	Nut Adjustable, Lpg Tank Mtg	2
4	49263	(000000-)	Tie, Cable	3
	82556	(000000- 001039)	Bracket, Vaporizer	1
	54930	(000000-)	Vaporizer	1

HOW TO ORDER PARTS - See diagram above

Only use TENNANT Company supplied or equivalent parts. Parts and supplies may be ordered online, by phone, by fax or by mail.

Follow the steps below to ensure prompt delivery.

1. **(A)** Identify the machine model.
2. **(A)** Identify the machine serial number from the data label.
3. **(B)** Ensure the proper serial number is used from the parts list.
4. Identify the part number and quantity.
Do not order by page or reference numbers.
5. Provide your name, company name, customer ID number, billing and shipping address, phone number and purchase order number.
6. Provide detail shipping instructions.

- (C)** ▽ - identifies an assembly
▲ - identifies parts included in assembly

Please fill out at time of installation for future reference.

Model No. - _____
 Serial No. - _____
 Machine Options - _____
 Sales Rep. - _____
 Sales Rep. phone no. - _____
 Customer ID Number - _____
 Installation Date - _____

Tennant Company

PO Box 1452

Minneapolis, MN 55440

Phone: (800) 553-8033 or (763) 513-2850

www.tennantco.com

Specifications and parts are subject to change without notice.

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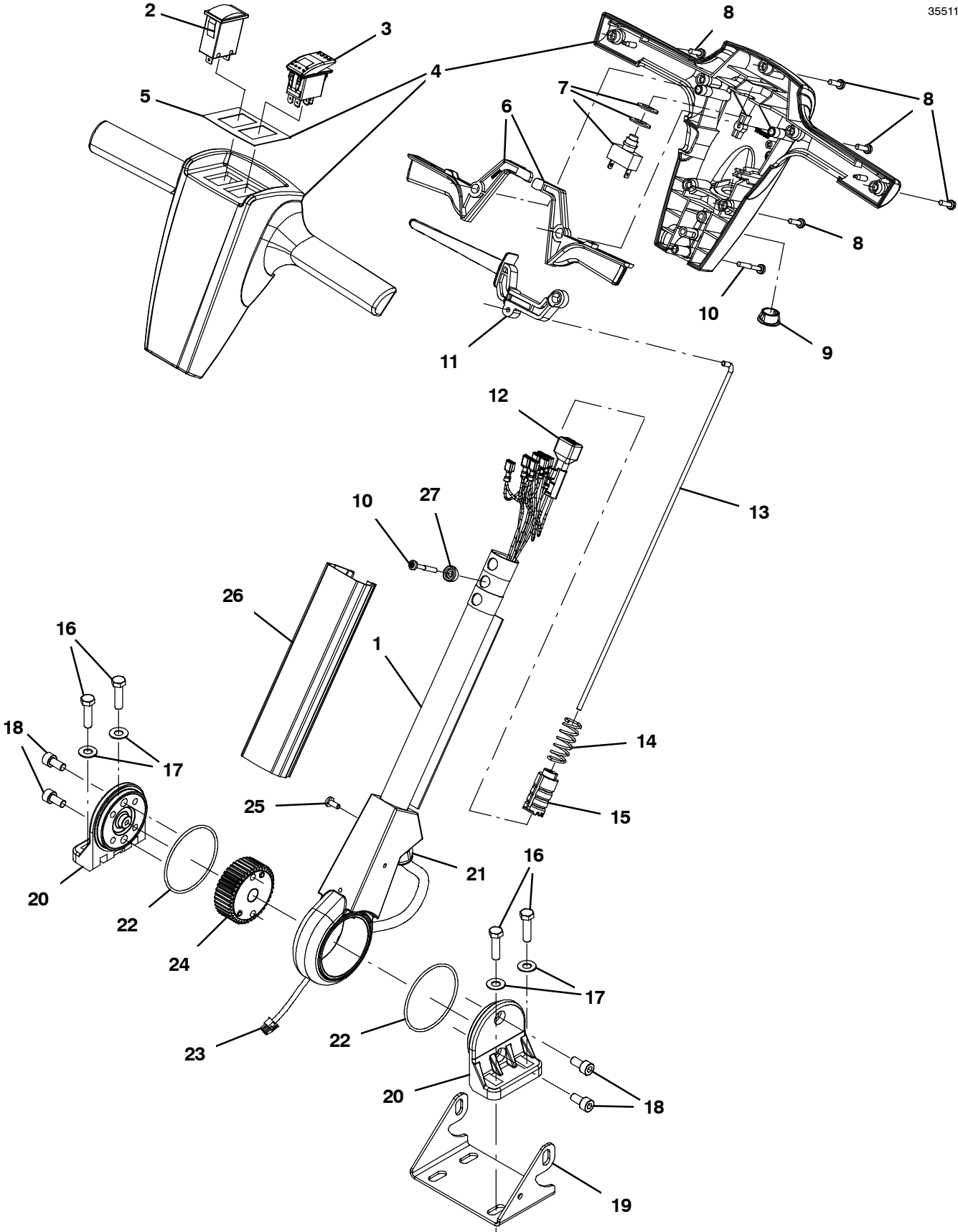
GENERAL RECOMMENDED MAINTENANCE ITEMS

GENERAL RECOMMENDED MAINTENANCE ITEMS

Ref.	Tennant Part No.	Serial Number	Description	Qty.
	1014918	(00000000-	) Wheel, 03.0d 0.88w 0.31b, W/ Bshg, Rbr	3
	601443	(00000000-	) Caster, Swivel, 3.0d 1.3w, .50- 13 Stem	2
	9004283	(00000000-	) Belt Kit, W/ Installation Tool	1
	1049447	(00000000-	) Brush, Scrub, 92mm Od X 386mm	1
▽	9007074	(00000000-	) Squeegee Wheel Kit, W/Hdwr	1
▲	1030852	(00000000-	) Roller, Squeegee	8
	1064751	(00000000-	) Blade Assy, Sqge, Ure, Cast, 4.2thk	2
	1049397	(00000000-	) Blade Assy, Sqge, Ure, Millable	2

HANDLE GROUP

355113



HANDLE GROUP

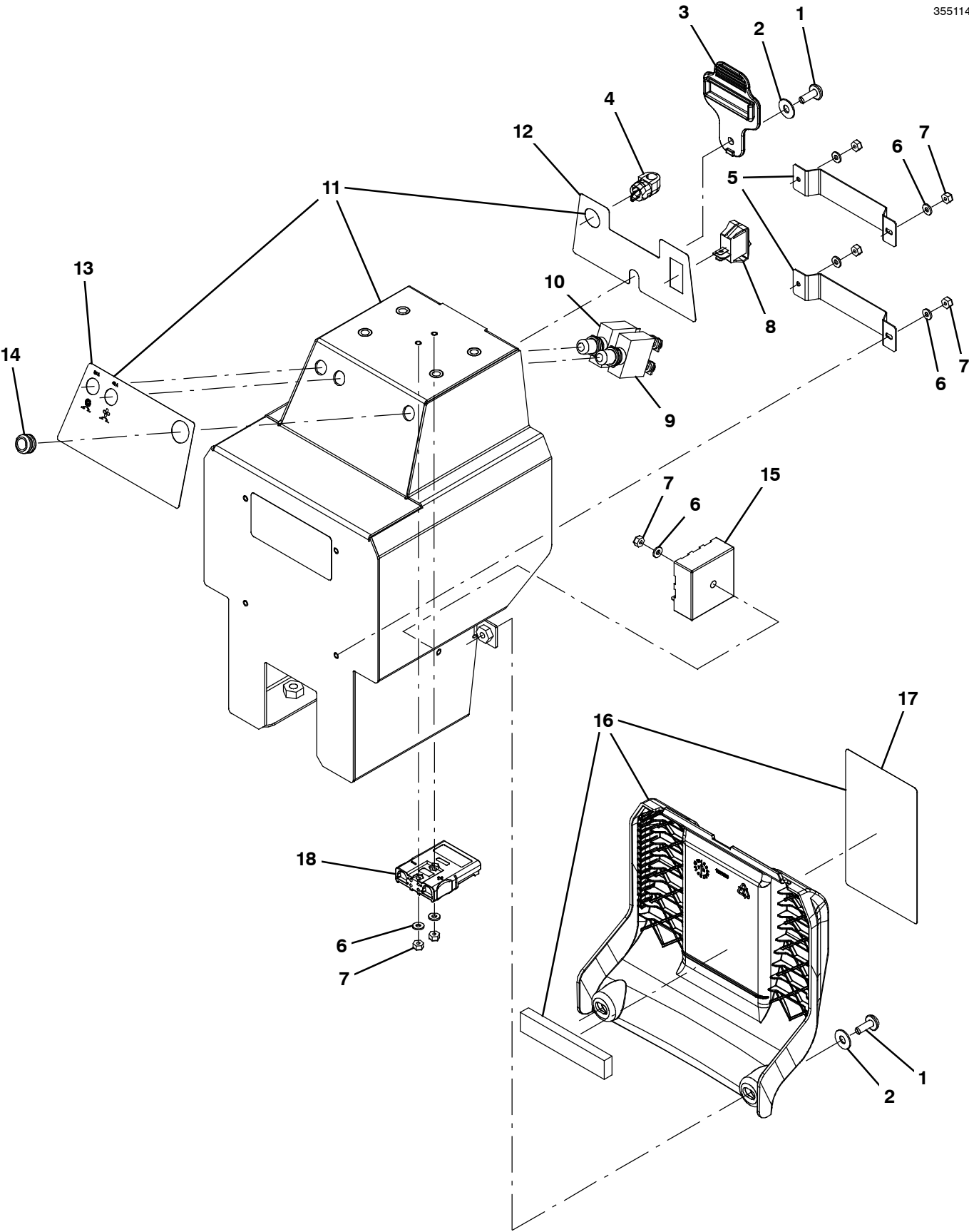
	Ref.	Tennant Part No.	Serial Number	Description	Qty.
▽	1	9006621	(00000000-	) Handle Kit, Assy	1
▲	2	1048378	(00000000-	) Gauge, Voltmeter, 12vdc, Nominal	1
▲	3	1053503	(00000000-	) Switch, Rocker [Lighted] 12v Dpdt	1
▲▽	4	9006622	(00000000-	) Cover Kit, Front/Rear	1
▲▲	5	1049028	(00000000-	) Label, Opertnl, Instrmt Panl	1
▲	6	1033893	(00000000-	) Lever, Cntrl, Switch	2
▲	7	9008568	(00000000-	) Switch Kit, W/ Washers, Fr/ F/1063165	1
▲	8	1043573	(00000000-	) Screw, #10- 14 X 0.675, Spl[Shcs,Selftap]	7
▲	9	130175	(00000000-	) Plug, Hole, Rnd, 0.75d, Blk	1
▲	10	1043572	(00000000-	) Screw, #10- 14 X 0.15, Spl[Shcs Selftap]	2
▲	11	1034945	(00000000-	) Lever, Adjmt, Handle	1
▲	12	222290	(00000000-	) Diode, Ele, Plug	1
▲	13	1034180	(00000000-	) Rod, Release	1
▲	14	1013295	(00000000-	) Spring, Cmpr [2100 Series]	1
▲	15	9006059	(00000000-	) Plunger Kit, Handle	1
	16	1016399	(00000000-	) Screw, Hex, M8 X 1.25 X 30, NI, Ss	4
	17	140027	(00000000-	) Washer, Flat, 0.35b 0.75d .04, Ss	4
▲	18	49609	(00000000-	) Screw, Soc, M8 X 1.25 X 16, 12.9	4
▲	19	1048219	(00000000-	) Bracket, Pivot, Cover, Mtg	1
▲	20	1000307	(00000000-	) Handle, Pivot, Half	2
▲	21	1053722	(00000000-	) Cordgrip, Str, Pg- 11	1
▲	22	612422	(00000000-	) Seal, Org, Gear Seat	2
▲	23	1052958	(00000000-	) Connector, Fem, 6 Pin	1
▲	24	1034872	(00000000-	) Gear, Lock, Handle	1
▲	25	1035681	(00000000-	) Screw, Pan, M5 X 0.80 X 12	1
▲	26	1034181	(00000000-	) Cover, Handle, Tennant	1
▲	27	1034176	(00000000-	) Bushing, Flng, 05mmb 12mmd 08mml [Pa6]	1

▽ ASSEMBLY

▲ INCLUDED IN ASSEMBLY

HANDLE MOUNT GROUP

355114



HANDLE MOUNT GROUP

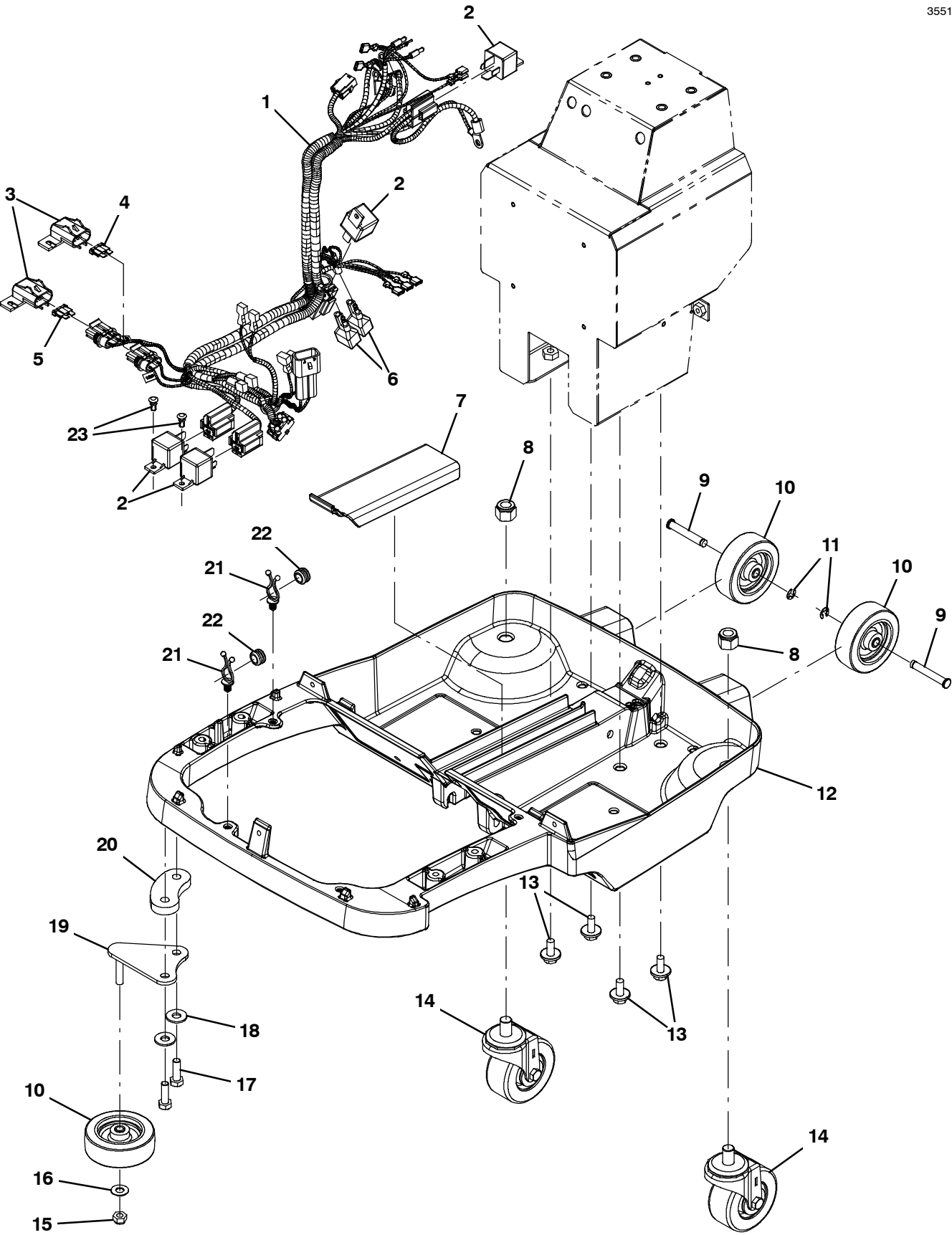
	Tennant				
Ref.	Part No.	Serial Number		Description	Qty.
1	1050413	(00000000-	)	Screw, Trs, M6 X 1 X 16, Torx T40, Ss	3
2	01684	(00000000-	)	Washer, Flat, 0.27b 0.69d .05, Ss	3
3	1048989	(00000000-	)	Cover, Chrgr Plug	1
4	1049283	(00000000-	)	Strain Relief, Cord, Right Angle	1
5	1048698	(00000000-	)	Channel, Standoff	2
6	41578	(00000000-	)	Washer, Flat, 06, Ss	7
7	75939	(00000000-	)	Nut, Hex, Lock, #06- 32, NI	7
8	578005000	(00000000-	)	Switch, Rocker, Spst	1
9	1067771	(10575378-	)	Circuitbreaker, 35.0a	1
9	1056085	(00000000- 10575377	)	Circuitbreaker, 40.0a, Resetable	1
10	383725	(10575378-	)	Circuitbreaker, 30.0a, Resetable	1
10	383726	(00000000- 10575377	)	Circuitbreaker, 35.0a, Resetable	1
▽	11	9006623	(00000000-	Column Kit, Sppt, W/ Label [NA/AU]	1
▲	12	1053739	(00000000-	Label, Opertnl, Instmt Panl, Lwr	1
▲	13	1066766	(10575378-	Label, Circuitbreaker [En/Es/Fr]	1
▲	13	1053740	(00000000- 10575377	Label, Circuitbreaker	1
	14	10632- 12	(00000000-	Grommet, Rbr, 0.38id, F/0.5h, .12 Matl	1
	15	1053209	(00000000-	Module, Timer, 12v, 5s Interval	1
▽	16	9006624	(00000000-	Cover Kit, Battery, W/ Labels	1
▲	17	1049889	(00000000-	Label, Warning, Dc Scrubber	1
	18	9008812	(00000000-	Plug, Kit, Chrgr, Strain Relief Psbs 75x	1

▽ ASSEMBLY

▲ INCLUDED IN ASSEMBLY

FRAME GROUP

355105



FRAME GROUP

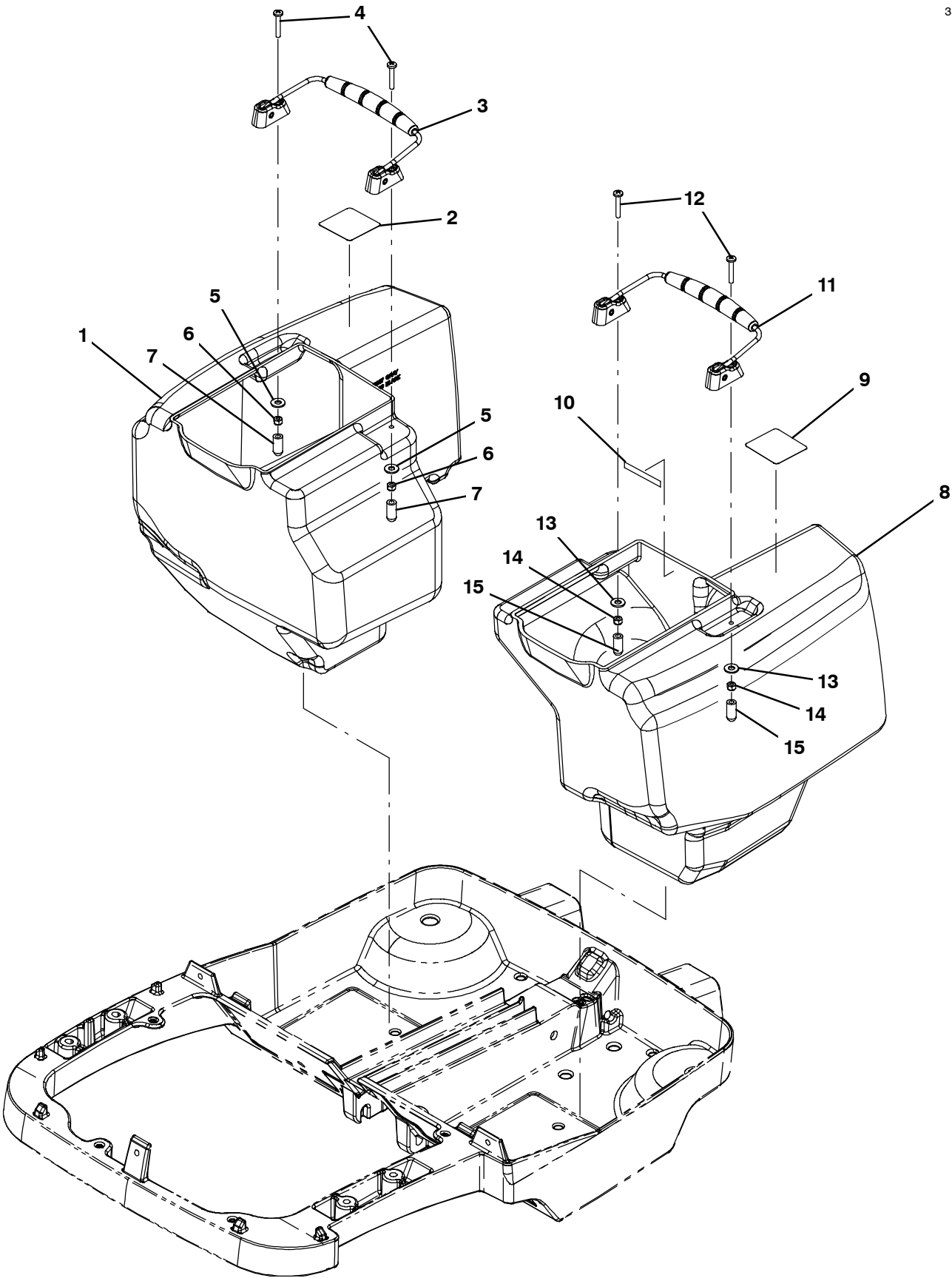
	Ref.	Tennant Part No.	Serial Number	Description	Qty.
▽	1	1061903	(10575378-	) Harness, Chassis, Sng [Na / Emc - Rev2c]	1
▽	1	1061610	(00000000- 10575377	) Harness, Chassis, 12 Volt [Na / Emc]	1
▲	2	1060940	(00000000-	) Contactor, 12vdc, 080a, Spst, No	4
▲	3	1031195	(00000000-	) Cover, Fuse [Mp 630 2f]	2
▲	4	1052127	(00000000-	) Fuse, Blade, 001a, 32vdc	1
▲	5	1016029	(00000000-	) Fuse, Blade, 005a, 32vdc	1
▲	6	222290	(00000000-	) Diode, Ele, Plug	2
	7	1053149	(00000000-	) Cover, Frame, Rear	1
	8	02931	(00000000-	) Nut, Hex, Lock, .50- 13, NI, Ss	2
	9	1035137	(00000000-	) Pin, Clevis, Grvd 0.31d X 2.00l, Ss	2
	10	1014918	(00000000-	) Wheel, 03.0d 0.88w 0.31b, W/ Bshg, Rbr	3
	11	1035139	(00000000-	) Ring, Retaining, Ext, 0.31d, E- Type	2
	12	1034013	(00000000-	) Frame (Machined)	1
	13	1020341	(00000000-	) Screw, Hex, M8 X 1.25 X 20, Ss, Sems	4
	14	601443	(00000000-	) Caster, Swivel, 3.0d 1.3w, .50- 13 Stem	2
	15	08713	(00000000-	) Nut, Hex, Lock, M8 X 1.25, NI, Ss	1
	16	140027	(00000000-	) Washer, Flat, 0.35b 0.75d .04, Ss	1
	17	12333	(00000000-	) Screw, Hex, M8 X 1.25 X 25, Ss, NI	2
	18	140027	(00000000-	) Washer, Flat, 0.35b 0.75d .04, Ss	2
	19	1034805	(00000000-	) Bracket, Bumper Wheel	1
	20	1055599	(00000000-	) Spacer, Wheel, Bumper	1
	21	30406	(00000000-	) Clip, Keeper	2
	22	10632- 12	(00000000-	) Grommet, Rbr, 0.38id, F/0.5h, .12 Matl	2
	23	578852	(00000000-	) Rivet, Plstc, .200d X 0.20, Snap	2

▽ ASSEMBLY

▲ INCLUDED IN ASSEMBLY

RECOVERY AND SOLUTION TANKS GROUP

355108



RECOVERY AND SOLUTION TANKS GROUP

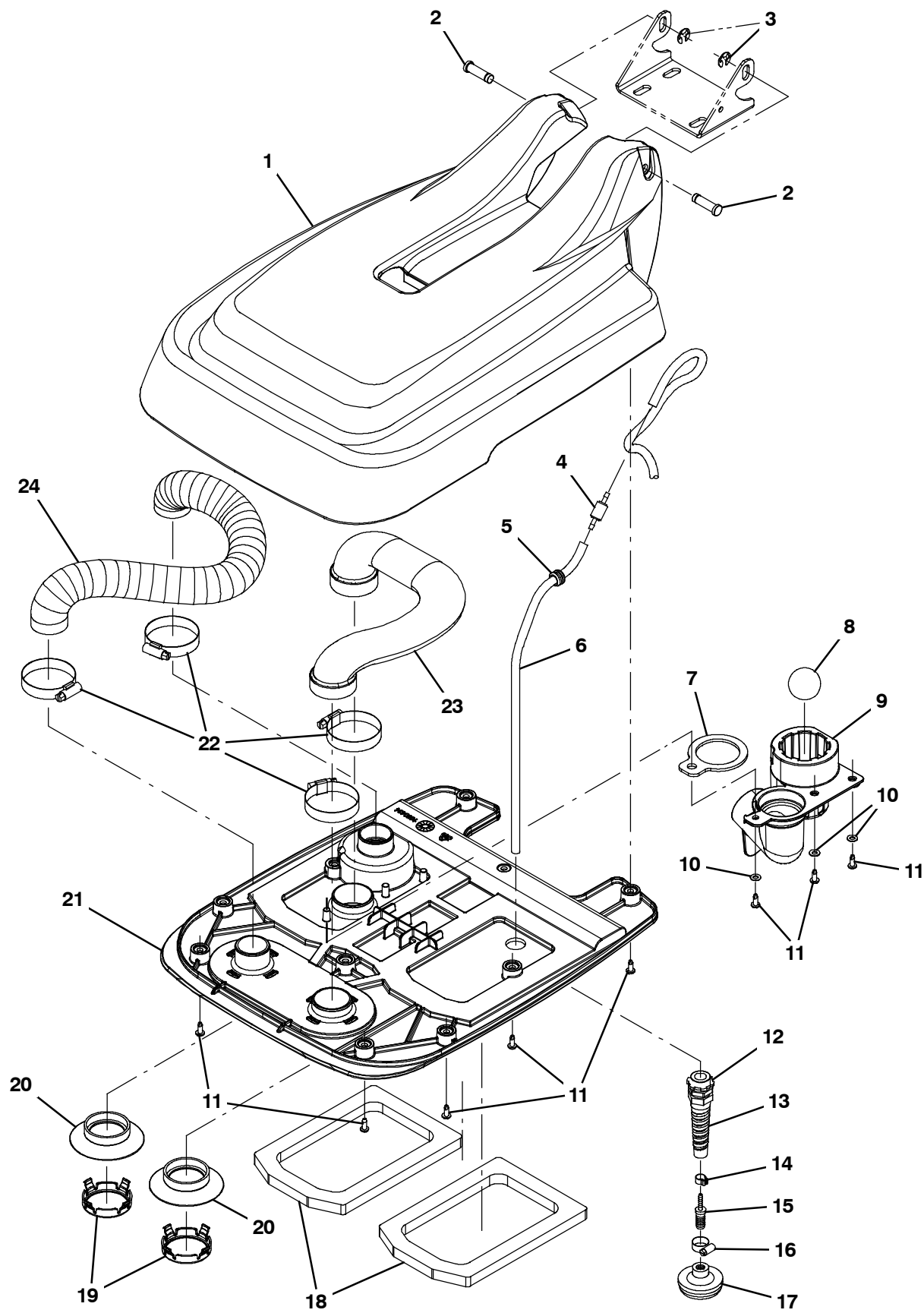
	Ref.	Tennant Part No.	Serial Number	Description	Qty.
▽	1	9006625	(00000000-	) Tank Kit, Recvy W/ Labels	1
▲	2	1063995	(00000000-	) Label, Tank, Recvy [Textless]	1
▲▽	3	9006627	(00000000-	) Handle Kit, Tank	1
▲▲	4	33931	(00000000-	) Screw, Pan, Phl, M4 X 0.70 X 30, Ss	2
▲▲	5	01683	(00000000-	) Washer, Flat, 10, Ss	2
▲▲	6	33932	(00000000-	) Nut, Hex, Lock, M4 X 0.70, NI, Ss	2
▲▲	7	1060867	(00000000-	) Cap, Screw, M4 X 12.7	2
▽	8	9006626	(00000000-	) Tank Kit, Soltn W/ Labels	1
▲	9	1063996	(00000000-	) Label, Tank, Soltn [Textless]	1
▲	10	1044865	(00000000-	) Label, Solution, Tank, Max. Fill, 3 Gal.	1
▲▽	11	9006627	(00000000-	) Handle Kit, Tank	1
▲▲	12	33931	(00000000-	) Screw, Pan, Phl, M4 X 0.70 X 30, Ss	2
▲▲	13	01683	(00000000-	) Washer, Flat, 10, Ss	2
▲▲	14	33932	(00000000-	) Nut, Hex, Lock, M4 X 0.70, NI, Ss	2
▲▲	15	1060867	(00000000-	) Cap, Screw, M4 X 12.7	2

▽ ASSEMBLY

▲ INCLUDED IN ASSEMBLY

TANK COVER GROUP

355109

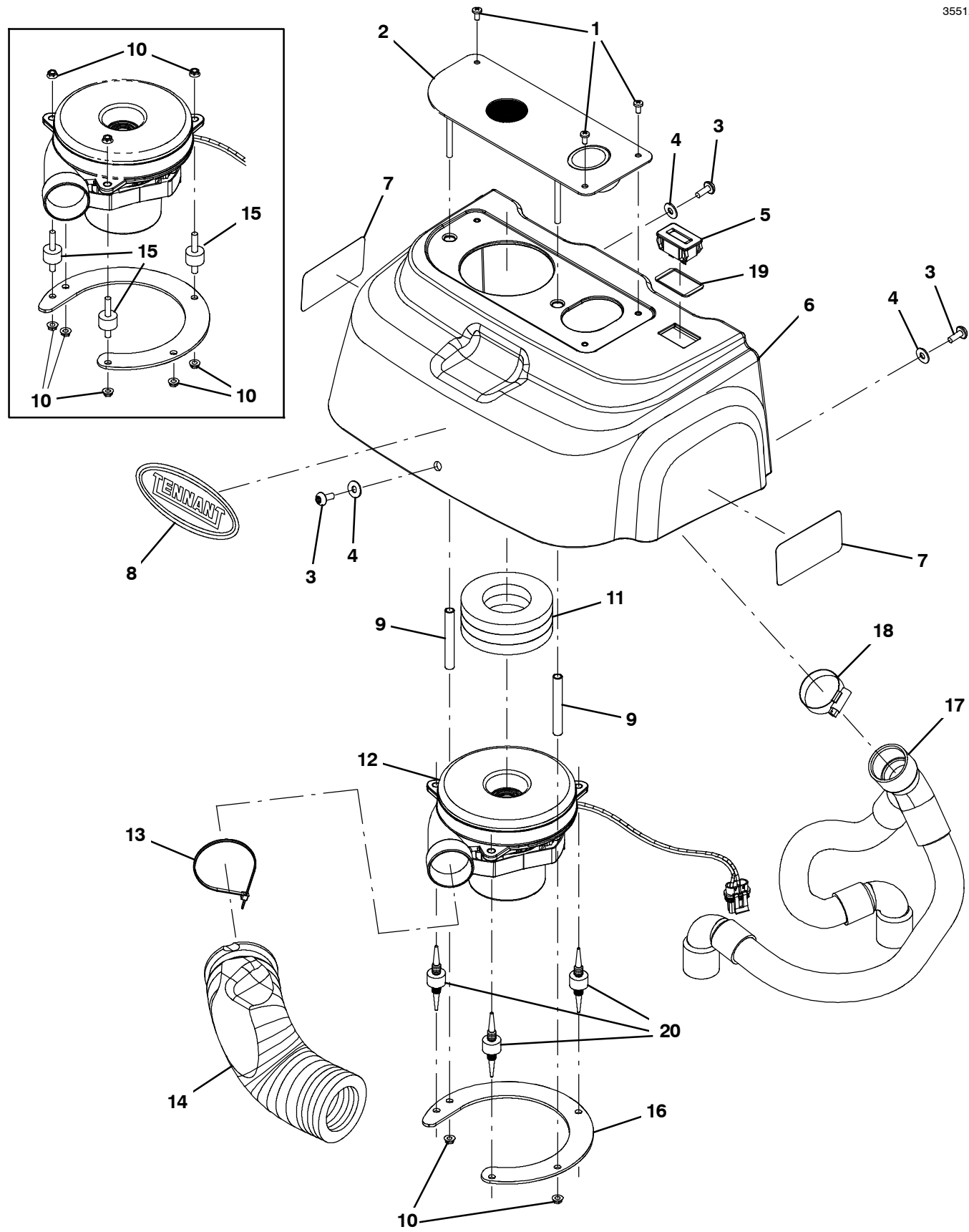


TANK COVER GROUP

Ref.	Tennant Part No.	Serial Number	Description	Qty.
1	1031638	(00000000-	) Cover , Tank, Upper, Teal	1
2	1035358	(00000000-	) Pin, Grvd, 0.375d, 1.25l	2
3	24555	(00000000-	) Ring, Retaining, Ext, 0.38d, [E- Ring]	2
4	1049003	(00000000-	) Valve, Check, 1 Psi, Bm02/Bm02	1
5	10632- 12	(00000000-	) Grommet, Rbr, 0.38id, F/0.5h, .12 Matl	1
6	9006630	(00000000-	) Tube, 3.175 Id 9.0 Od 1120mm L	1
7	1051274	(00000000-	) Gasket, Shield, Float	1
8	1044370	(00000000-	) Ball, Float, W/O Cage	1
9	1042277	(00000000-	) Shield, Float	1
10	140011	(00000000-	) Washer, Flat, 0.21b 0.45d .03, Ss	3
11	140350	(00000000-	) Screw, Pan, Phl, 10- 16 X 0.50, Ss[Typ25]	13
12	140504	(00000000-	) Nut, Lock, Conduit, Pm08	1
13	602849	(00000000-	) Strainrelief, Cord, Ele, Pm08, Blk Nyl	1
14	140349	(00000000-	) Clamp, Hose, Ear, .318- .374, Ss	1
15	1055206	(00000000-	) Fitting, Ss, Str, Bm02/Bm06	1
16	1063122	(00000000-	) Clamp, Hose, Wormdrive, Ss, 0.25- 0.62d	1
17	1055480	(00000000-	) Filter, Tube, Soltn, 080mesh	1
18	1052876	(00000000-	) Gasket, Tank	2
19	1054345	(00000000-	) Clip, Retaining, Seal	2
20	1036090	(00000000-	) Seal, Vacuum	2
21	1050434	(00000000-	) Cover, Tank, Inner, Black	1
22	140308	(00000000-	) Clamp, Hose, Wormdrive, 1.31- 2.25d, .50w	4
23	1035866	(00000000-	) Hose, Recvy, Formed	1
24	1037756	(00000000-	) Hose, Vacuum, 1.50id X 018.0l, Clr	1

VACUUM FAN GROUP

355120



VACUUM FAN GROUP

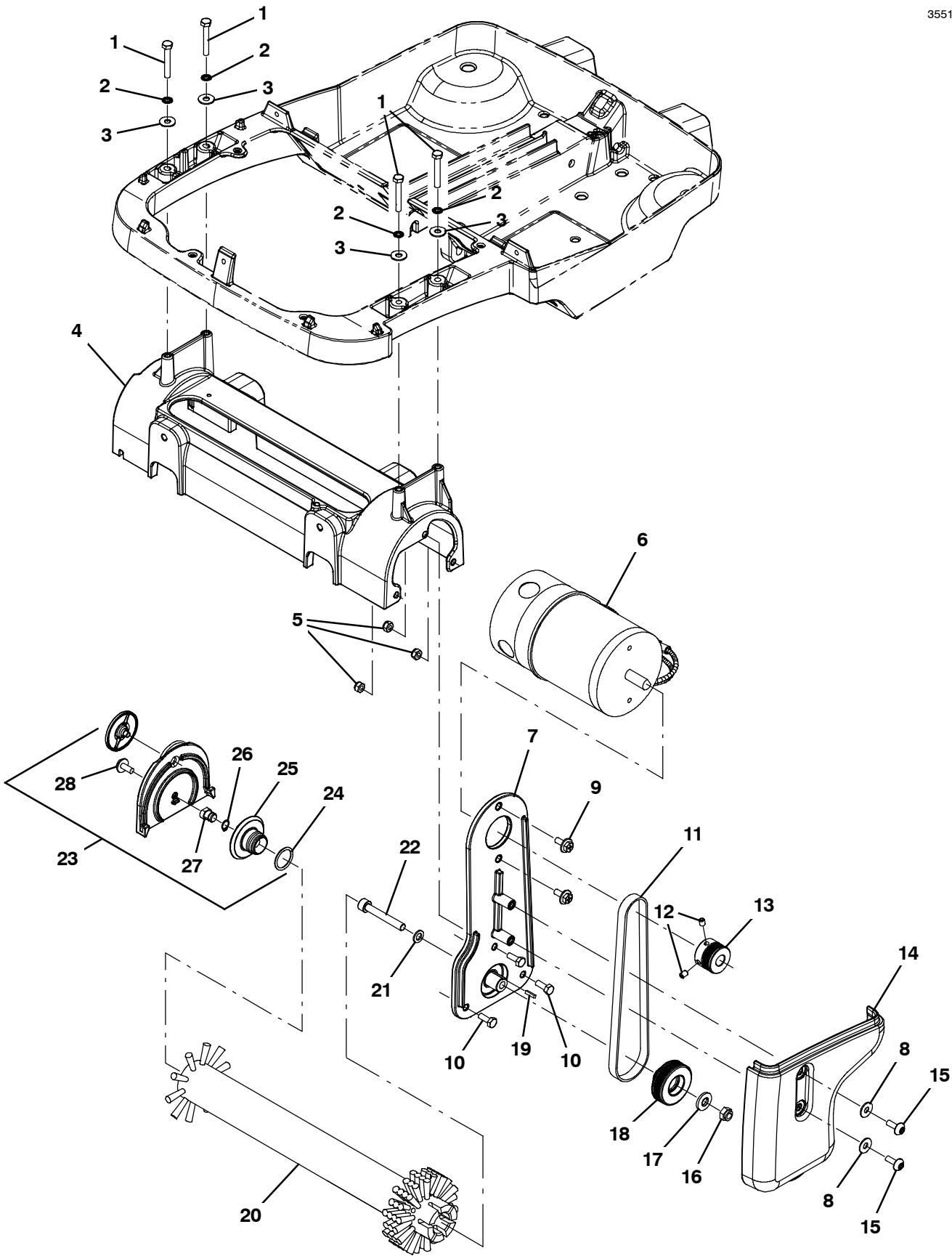
	Ref.	Tennant Part No.	Serial Number	Description	Qty.
	1	1026454	(00000000-	) Screw, Pan, Phl, M5 X 0.80 X 10, Ss	3
	2	1048251	(00000000-	) Wldt, Plate, Mtg, Vacuum	1
	3	1050413	(00000000-	) Screw, Trs, M6 X 1 X 16, Torx T40, Ss	3
	4	01684	(00000000-	) Washer, Flat, 0.27b 0.69d .05, Ss	3
	5	1056088	(00000000-	) Meter, Hour, 5- 80v Ac/Dc	1
▽	6	9008334	(00000000-	) Shroud Kit, W/Labels [Tco T1 Li]	1
▲	7	1051631	(00000000-	) Label, Spinning Brush, Dual Text	2
▲	8	1039084	(00000000-	) Label, Logo, 05.5l White / TI [Tennant]	1
	9	1050480	(00000000-	) Spacer, 9.52od X 7.14id X 72.3l Ss	2
	10	1040381	(10519394-	) Nut, Hex, Flng, M6 X 1.0, Ss [Serrated]	2
	10	1040381	(00000000- 10519393	) Nut, Hex, Flng, M6 X 1.0, Ss [Serrated]	8
	11	1053269	(00000000-	) Gasket, 38.1mm Th, 50.8mmid 95.25mmmod	1
	12	1048362	(00000000-	) Fan, Vacuum, Domel	1
	13	130773	(00000000-	) Tie, Cable, Nyl, 11.0l, .14w, 3.0 Max. D	1
	14	390677	(00000000-	) Muffler, Exhaust, Vacfan, Long	1
	15	1011093	(00000000- 10519393	) Isolator, Vib, .75d, M6 Stud Both Ends	3
	16	1050468	(00000000-	) Bracket, Mtg, Vacuum	1
	17	1067430	(00000000-	) Hose Assy, Vacuum, Wye	1
	18	11531	(00000000-	) Clamp, Hose, Wormdrive, 1.06- 2.00d, .56w	1
	19	1061360	(00000000-	) Gasket, Hourmeter	1
	20	1062016	(10519394-	) Isolator, Vib, .75d	3

▽ ASSEMBLY

▲ INCLUDED IN ASSEMBLY

SCRUB HEAD GROUP

355107



SCRUB HEAD GROUP

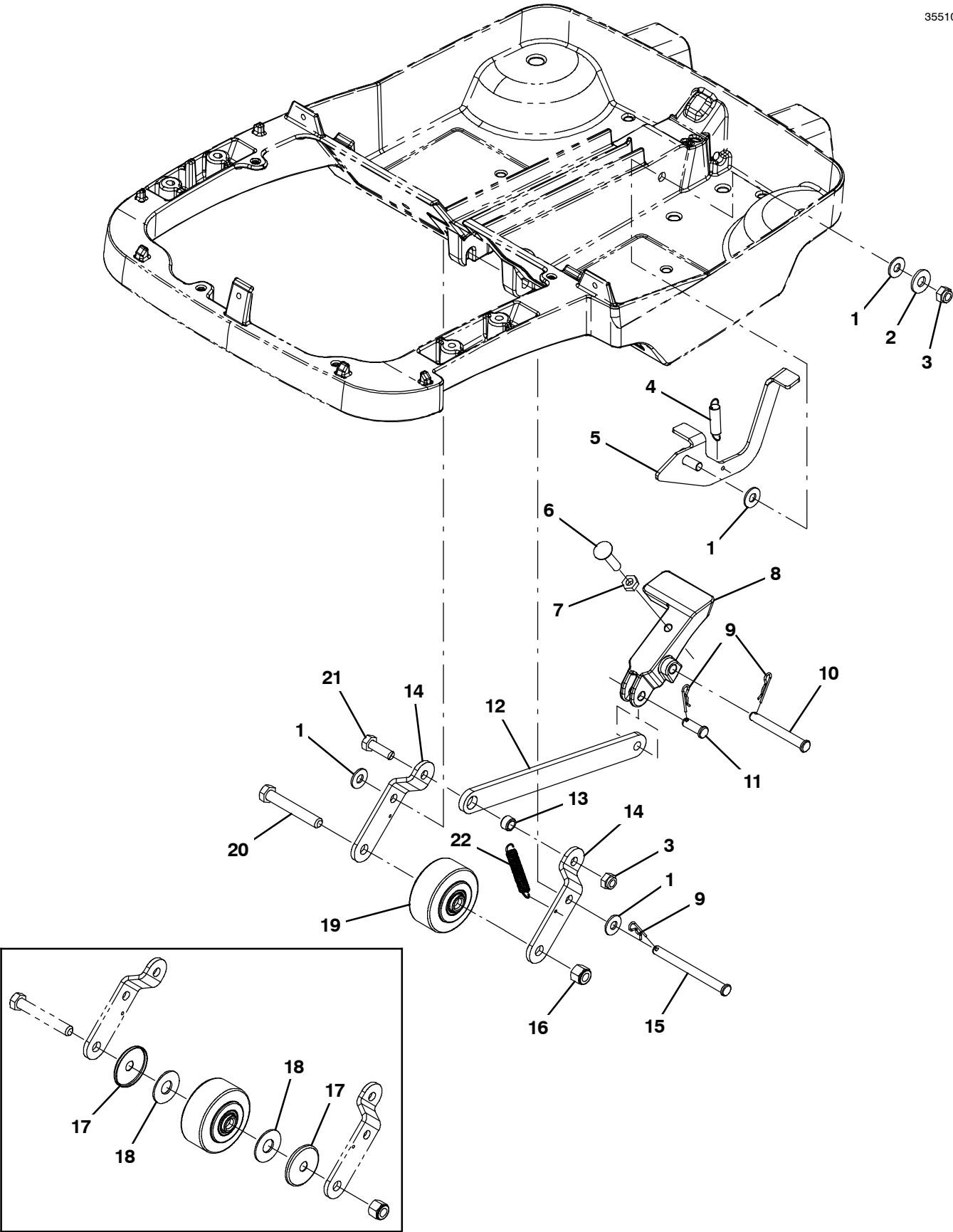
Ref.	Tennant Part No.	Serial Number	Description	Qty.
1	33930	(00000000-	) Screw, Hex, M6 X 1.00 X 40, Ss	4
2	1027144	(00000000-	) Washer, Lock, Int, M6, Ss	4
3	01684	(00000000-	) Washer, Flat, 0.27b 0.69d .05, Ss	4
4	1034380	(00000000-	) Housing, Brush, Sngl, 40cm	1
5	08712	(00000000-	) Nut, Hex, Lock, M6 X 1.00, NI, Ss	3
6	1048393	(00000000-	) Motor, 12vdc, 3.98 Dia. X 6.5 L	1
7	9006629	(00000000-	) Bracket Kit, Motor Mount (Includes Hub, Bearing & Seal)	1
8	01684	(00000000-	) Washer, Flat, 0.27b 0.69d .05, Ss	2
9	1034731	(00000000-	) Screw, Hex, M6 X 1.00 X 16, Ss, Sems	2
10	15678	(00000000-	) Screw, Hex, M6 X 1.00 X 16, Ss	3
11	9004283	(00000000-	) Belt Kit, W/ Installation Tool	1
12	09162	(00000000-	) Screw, Set, Soc, M6 X 1.00 X 8, NI	2
13	1030620	(00000000-	) Sheave, 07grv, 32.78pd [Ph]	1
14	1054715	(00000000-	) Cover, Belt, Teal	1
15	1050413	(00000000-	) Screw, Trs, M6 X 1 X 16, Torx T40, Ss	2
16	08713	(00000000-	) Nut, Hex, Lock, M8 X 1.25, NI, Ss	1
17	41186	(00000000-	) Washer, Flat, Belleville, .31	1
18	1030625	(00000000-	) Sheave, 07grv, 49.3pd [Ph]	1
19	578416	(00000000-	) Key, Sq, 0.13 X 0.13, 0.50l	1
20	1049447	(00000000-	) Brush, Scrub, 92mm Od X 386mm	1
21	1057482	(00000000-	) Washer, Flat, 0.328b 0.562d 0.063, Ss	1
22	1057476	(00000000-	) Screw, Soc, M8 X 1.25 X 55, Ss	1
▽	23	9007962	(00000000-) Door Kit, Brush, W/ Hdwr	1
▲	24	1042312	(00000000-) Seal, Org, .103 X .862 Id, 118	1
▲	25	1030680	(00000000-) Hub, Idler, Brush	1
▲	26	01543	(00000000-) Ring, Retaining, Ext, 0.39d, Basic	1
▲	27	1030682	(00000000-) Shaft, Idler Plug	1
▲	28	1019349	(00000000-) Screw, Trs, M6 X 1.00 X 16, Ss, Sems	1

▽ ASSEMBLY

▲ INCLUDED IN ASSEMBLY

SCRUB HEAD LIFT GROUP

355106

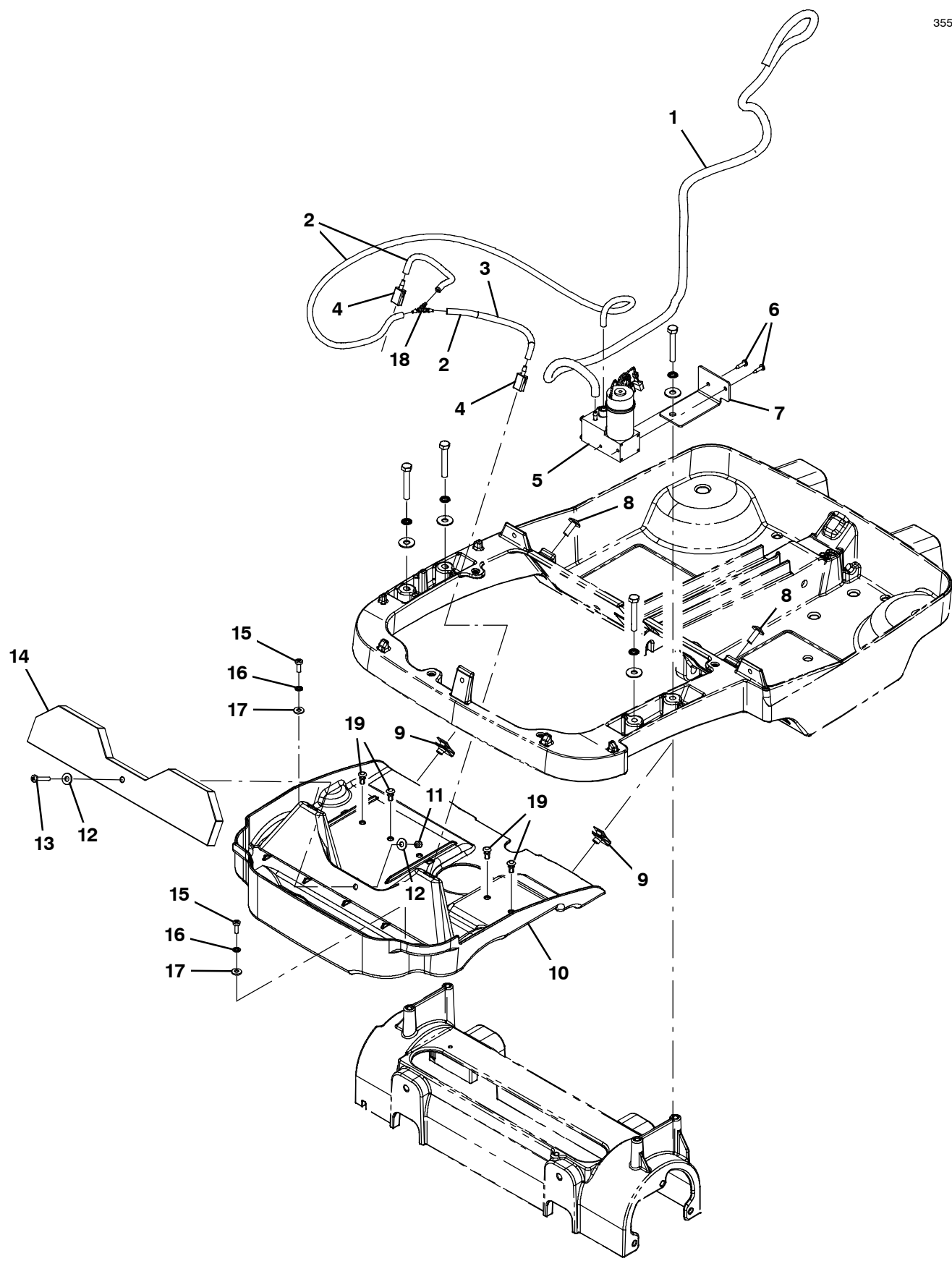


SCRUB HEAD LIFT GROUP

Ref.	Tennant Part No.	Serial Number	Description	Qty.
1	630446	(00000000-	) Washer, Flat, 0.31b 0.75d .06, Nyl	3
2	140027	(00000000-	) Washer, Flat, 0.35b 0.75d .04, Ss	1
3	08713	(00000000-	) Nut, Hex, Lock, M8 X 1.25, NI, Ss	2
4	1034420	(00000000-	) Lever, Pedal, Wheel Release	1
5	605812	(00000000-	) Spring, Extn	1
6	1053751	(00000000-	) Bolt, Carriage, .31- 18 X 1.25, Ss	1
7	140548	(00000000-	) Nut, Hex, Jam, Fin .31, Ss	1
8	1034376	(00000000-	) Pedal, Foot	1
9	08085	(00000000-	) Pin, Cotter, Hair, 0.31d .058 Wir	3
10	71274	(00000000-	) Pin, Clevis, 0.31d X 2.62l	1
11	386987	(00000000-	) Pin, Clevis, 0.31d X 0.88l	1
12	1034368	(00000000-	) Arm, Linkage, Transport	1
13	222516	(00000000-	) Sleeve, P/M, 0.32b 0.50d 0.3l [430ss]	1
14	1034371	(00000000-	) Bracket, Transport, Wheel	2
15	1034513	(00000000-	) Pin, Clevis, 0.31d X 3.50l	1
16	59156	(00000000-	) Nut, Hex, Lock, .38- 16, NI, Ss	1
17	1034351	(00000000-	) Guard, Thread, Wheel (NLA - Replaced by 1034355)	2
18	140045	(00000000-	) Washer, Flat, 0.51b 1.25d .06, Ss (NLA - Replaced by 1034355)	2
19	1034355	(00000000-	) Wheel, 02.5d 1.25w 0.38b, Rbr, Gray	1
20	27992	(00000000-	) Screw, Hex, .38- 16 X 2.50, G5	1
21	09010	(00000000-	) Screw, Hex, M8 X 1.25 X 25, Ss	1
22	140402	(00000000-	) Spring, Extn, 0.375od 0.045wir 01.8l, Mw	1

SOLUTION GROUP

355111

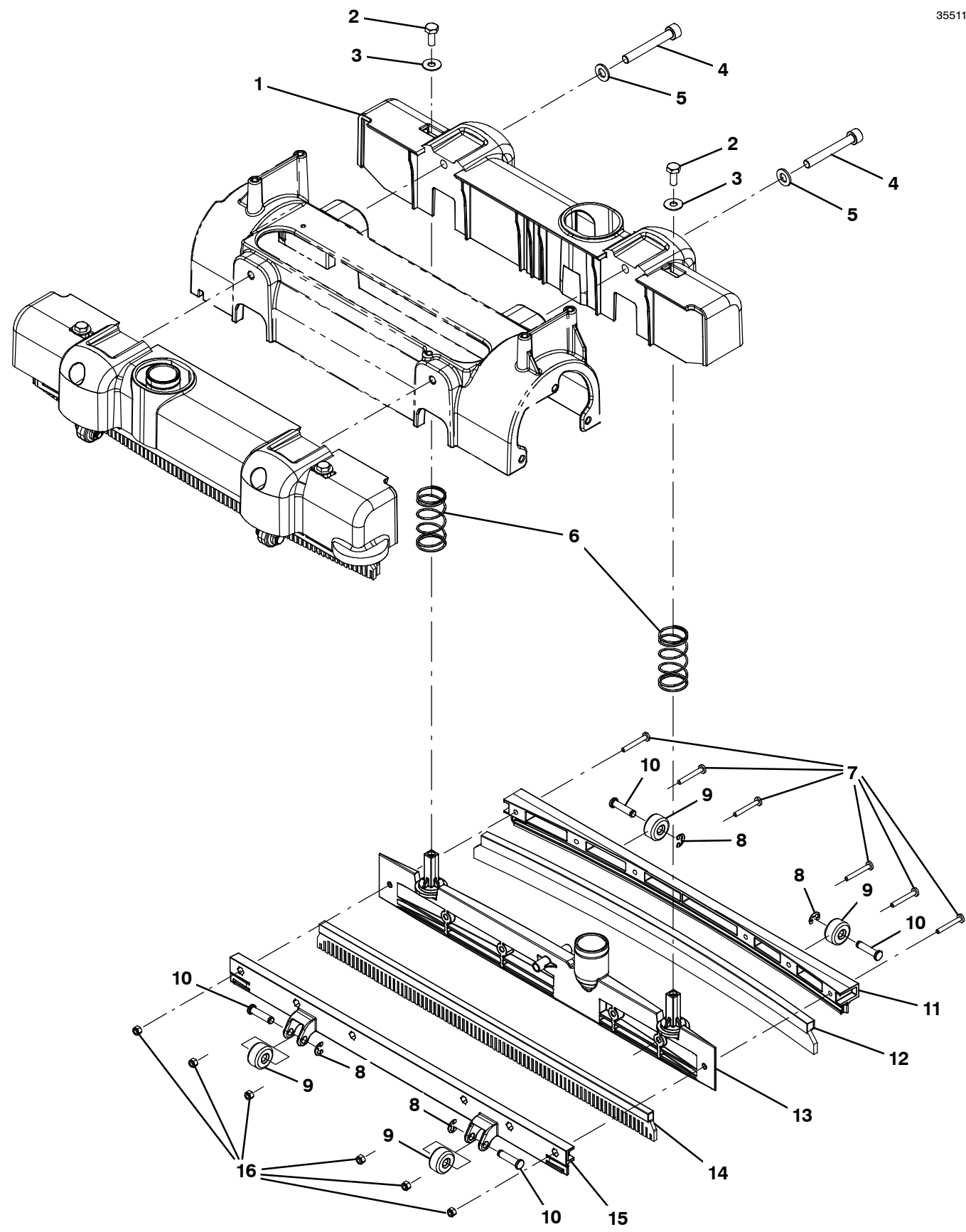


SOLUTION GROUP

Ref.	Tennant Part No.	Serial Number	Description	Qty.
1	9006630	(00000000-	) Tube, 3.175 Id 9.0 Od 1120mm L	1
2	9006631	(00000000-	) Tube, 1/8" Id, 780mm L	1
3	160123	(00000000-	) Sleeve, Heatshrink, .025, Bulk	1
4	1049141	(00000000-	) Nozzle, Fluidic	2
5	1048528	(00000000-	) Pump, Diaphragm, Liquid	1
6	222267	(00000000-	) Screw, Pan, Phl, 06- 20 X 0.50, Fmg/Ab	2
7	1048289	(00000000-	) Bracket, Mtg, Pump, Soltn	1
8	140824	(00000000-	) Screw, Trs, .25- 20 X 0.62, Phl, Ss	2
9	82138	(00000000-	) Nut, Spd, Clip, .25- 20 [.025- .150]	2
10	1067972	(00000000-	) Shrd, Splash, Nozzle	1
11	33932	(00000000-	) Nut, Hex, Lock, M4 X 0.70, NI, Ss	1
12	01683	(00000000-	) Washer, Flat, 10, Ss	2
13	04403	(00000000-	) Screw, Pan, Phl, M4 X 0.70 X 25, NI, Ss	1
14	1049064	(00000000-	) Weight, 1.27 Kg [2.8 Lb]	1
15	579237	(00000000-	) Screw, Pan, Phl, M4 X 0.70 X 12, Ss	2
16	02938	(00000000-	) Washer, Lock, Int, 08, Ss	2
17	41579	(00000000-	) Washer, Flat, 08, Ss	2
18	1055763	(00000000-	) Fitting, Plstc, Y, Bm02/Bm02/Bm02	1
19	578852	(00000000-	) Rivet, Plstc, .200d X 0.20, Snap	4

SQUEEGEE GROUP, FRONT AND REAR

355112



SQUEEGEE GROUP, FRONT AND REAR

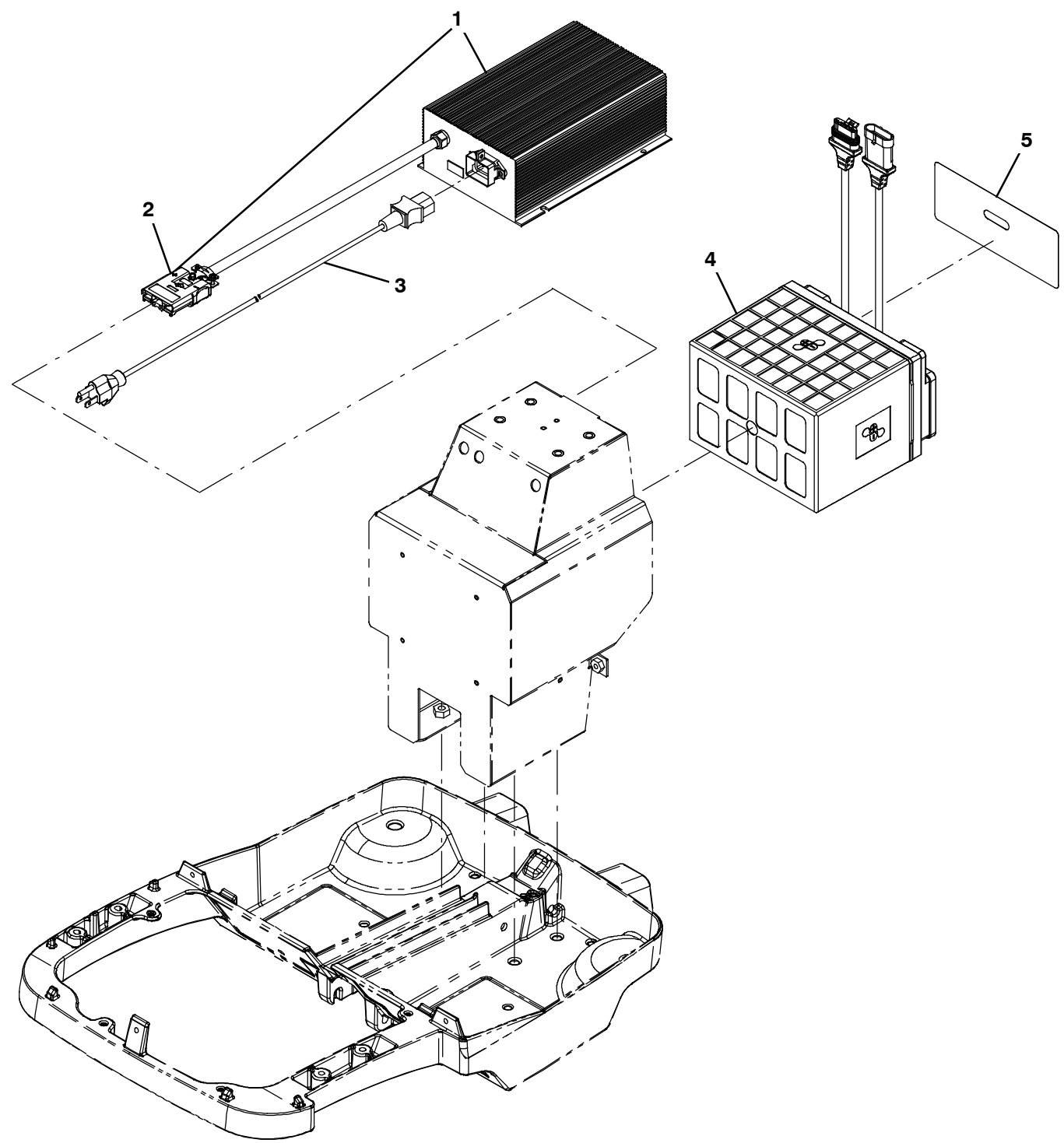
Ref.	Tennant Part No.	Serial Number	Description	Qty.
1	1034109	(00000000-	) Housing, Squeegee	2
2	01697	(00000000-	) Screw, Hex, .25- 20 X 0.62, Ss	4
3	01684	(00000000-	) Washer, Flat, 0.27b 0.69d .05, Ss	4
4	09294	(00000000-	) Screw, Soc, M8 X 1.25 X 60, 12.9	4
5	39349	(00000000-	) Washer, Flat, 0.31, Sae	4
6	1049768	(00000000-	) Spring, Cmpr, 0.954id 0.062wir 02.25l	4
7	33931	(00000000-	) Screw, Pan, Phl, M4 X 0.70 X 30, Ss	12
▽	9007074	(00000000-	) Squeegee Wheel Kit, W/Hdwr	1
▲	8 1035647	(00000000-	) Ring, Retaining, Ext, 0.25", [E- Ring]	8
▲	9 1030852	(00000000-	) Roller, Squeegee	8
▲	10 1065608	(00000000-	) Pin, Grv, 6.22d, 23.0l, Ss	8
	11 1049957	(00000000-	) Retainer, Squeegee, Outer	2
	12 1064751	(00000000-	) Blade Assy, Sqge, Ure, Cast, 4.2thk	2
	13 1049358	(00000000-	) Frame, Sqge, 44cm [Newt]	2
	14 1049397	(00000000-	) Blade Assy, Sqge, Ure, Millable	2
	15 1057243	(00000000-	) Retainer, Squeegee, Inner	2
	16 33932	(00000000-	) Nut, Hex, Lock, M4 X 0.70, NI, Ss	12

▽ ASSEMBLY

▲ INCLUDED IN ASSEMBLY

BATTERY AND CHARGER GROUP WITH BMS MODULE ATTACHED

355174



BATTERY AND CHARGER GROUP WITH BMS MODULE ATTACHED

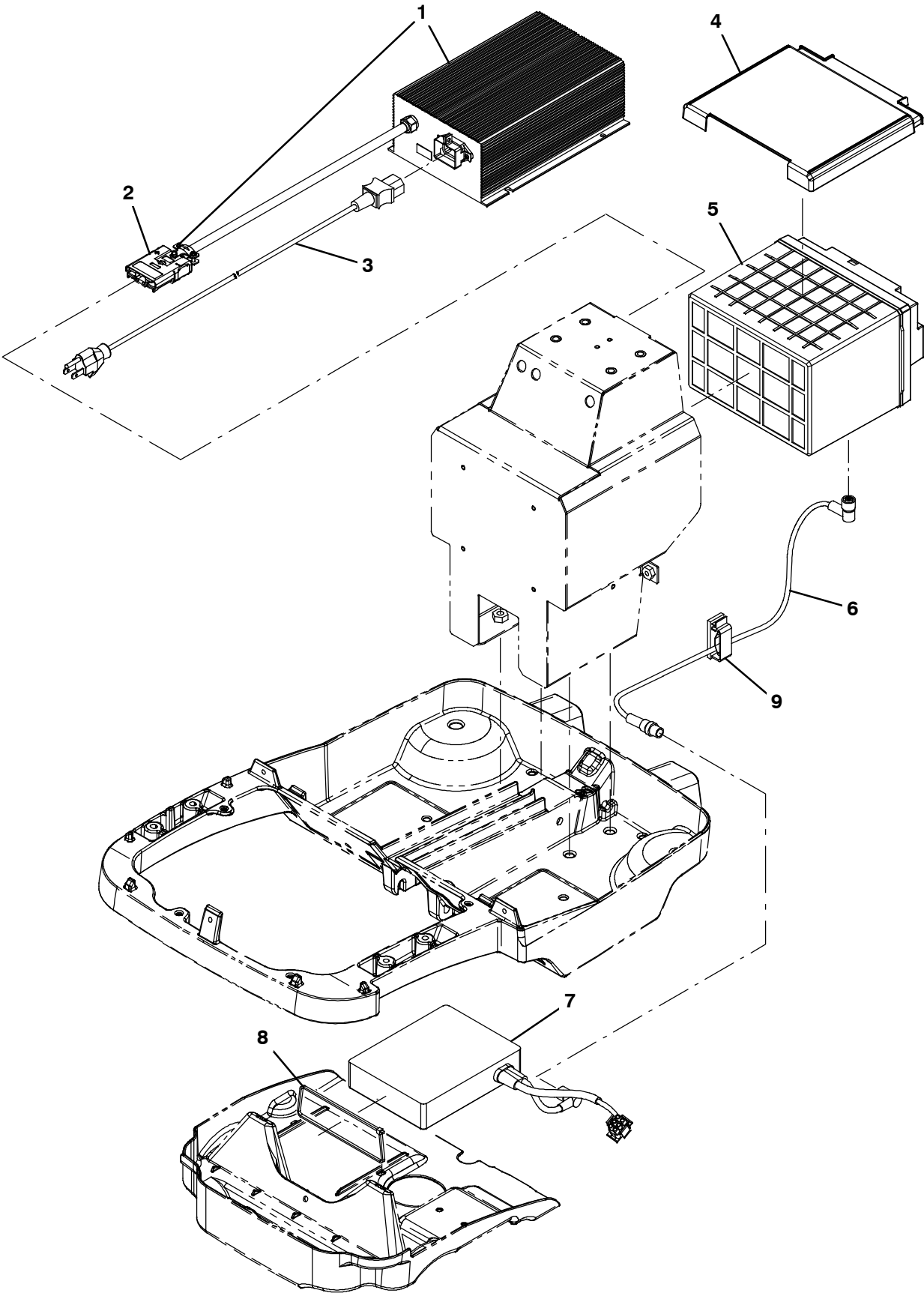
	Ref.	Tennant Part No.	Serial Number	Description	Qty.
▽	1	1065754	(00000000-	) Charger, 12vdc, 16a, 120/240vdc [Li- Ion]	1
▲	2	9008812	(00000000-	) Plug, Kit, Chrgr, Strain Relief Psbs 75x	1
	3	1044067	(00000000-	) Cord, Power, 16/3 Blk [2.5meter, Us/Jpn]	1
	3	1026325	(00000000-	) Cord, Power, 1.0mm2/3 Blk[2.5meter, Aus]	1
	3	1044068	(00000000-	) Cord, Power, Blk [2.5meter, Ce]	1
	3	1044069	(00000000-	) Cord, Power, Blk [2.5meter, Uk]	1
▽	4	9008732	(10540328-	) Battery Kit, 12vdc 0040ah, Ci [Li- Ion]	1
▲	5	1067699	(10540328-	) Label, Battery, Li- Ion	1

▽ ASSEMBLY

▲ INCLUDED IN ASSEMBLY

BATTERY AND CHARGER GROUP WITH SEPARATE BMS MODULE

355115



BATTERY AND CHARGER GROUP WITH SEPARATE BMS MODULE

	Ref.	Tennant Part No.	Serial Number	Description	Qty.
▽	1	1065754	(00000000-	) Charger, 12vdc, 16a, 120/240vdc [Li- Ion]	1
▲	2	9008812	(00000000-	) Plug, Kit, Chrgr, Strain Relief Psbs 75x	1
	3	1044067	(00000000-	) Cord, Power, 16/3 Blk [2.5meter, Us/Jpn]	1
	3	1026325	(00000000-	) Cord, Power, 1.0mm2/3 Blk[2.5meter, Aus]	1
	3	1044068	(00000000-	) Cord, Power, Blk [2.5meter, Ce]	1
	3	1044069	(00000000-	) Cord, Power, Blk [2.5meter, Uk]	1
	4	1058600	(00000000- 10540327	) Cover, Battery	1
	5	1047805	(00000000- 10540327	) Battery, 12v, 40ah, Li- Ion [U1] (Replaced by 9008732)	1
	6	1048715	(00000000- 10540327	) Cable, 5 Pin, 750 Mm L [Batt- Bms]	1
	7	1049989	(00000000- 10540327	) Module, Battery [Bms, Sealed]	1
	8	130644	(00000000- 10540327	) Tie, Cable, Nyl, 17.5l .19w	1
	9	222666	(00000000- 10540327	) Clamp, Cable, Ribbon, 1.25w 0.25h, Plstc	1

▽ ASSEMBLY

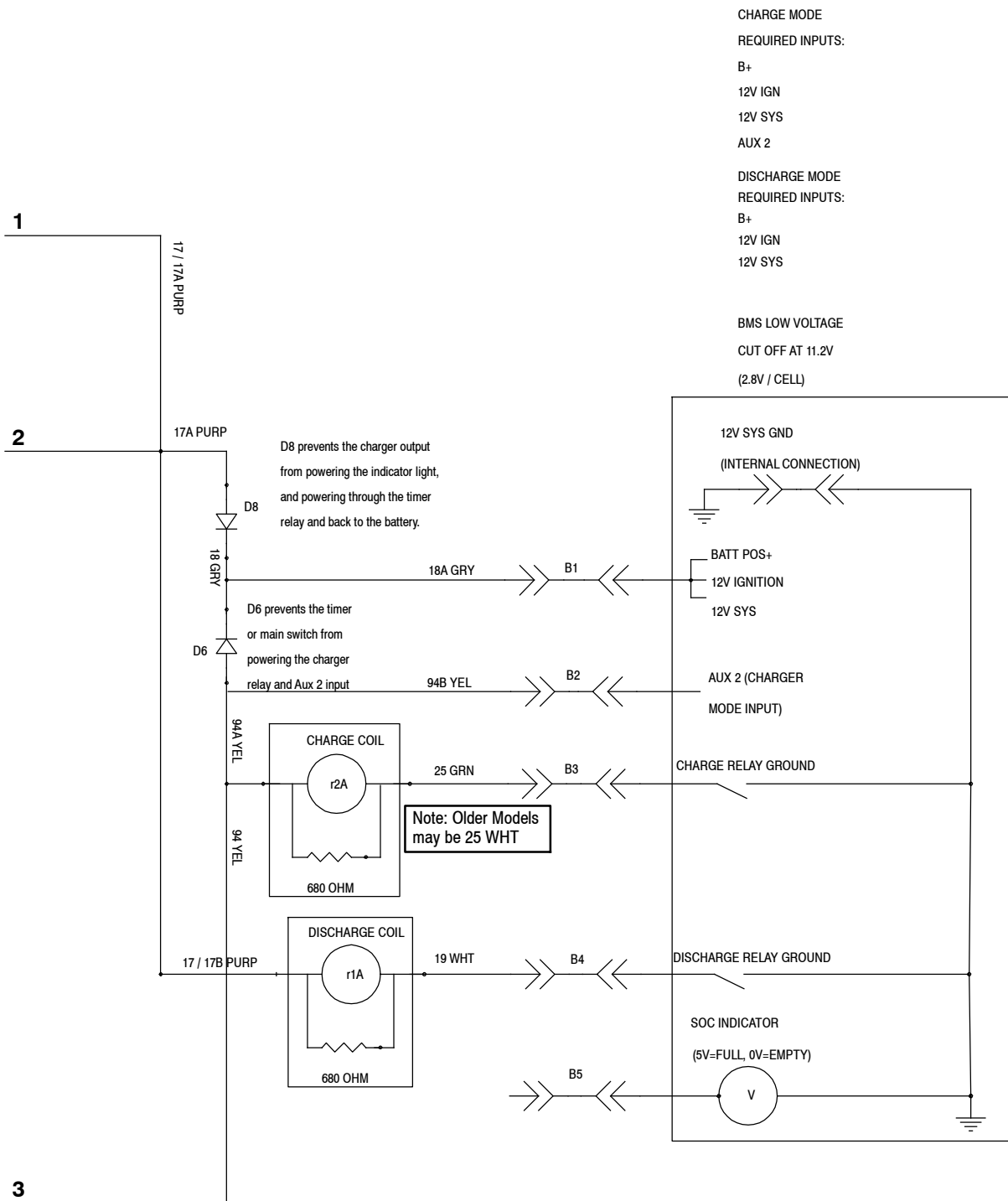
▲ INCLUDED IN ASSEMBLY

Tennant T1 Li (05-2012)

[illegible]

ELECTRICAL DIAGRAM WITH BMS MODULE ATTACHED TO BATTERY

1050041



Tennant T1 Li (05-2012)

ANDERSON MULTI-POLE POWER & SIGNAL CONNECTOR
13L BLK

13.2V NOMINAL BATTERY

RS 485 COMMUNICATION CABLE

CHARGE RELAY R2B
1B RED

DISCHARGE RELAY R1B
1A RED

1A FUSE

1C RED

1D RED

1E RED

1F RED

1G RED

1H RED

1I RED

1J RED

1K RED

1L RED

1M RED

1N RED

1O RED

1P RED

1Q RED

1R RED

1S RED

1T RED

1U RED

1V RED

1W RED

1X RED

1Y RED

1Z RED

2A RED

2B RED

2C RED

2D RED

2E RED

2F RED

2G RED

2H RED

2I RED

2J RED

2K RED

2L RED

2M RED

2N RED

2O RED

2P RED

2Q RED

2R RED

2S RED

2T RED

2U RED

2V RED

2W RED

2X RED

2Y RED

2Z RED

3A RED

3B RED

3C RED

3D RED

3E RED

3F RED

3G RED

3H RED

3I RED

3J RED

3K RED

3L RED

3M RED

3N RED

3O RED

3P RED

3Q RED

3R RED

3S RED

3T RED

3U RED

3V RED

3W RED

3X RED

3Y RED

3Z RED

4A RED

4B RED

4C RED

4D RED

4E RED

4F RED

4G RED

4H RED

4I RED

4J RED

4K RED

4L RED

4M RED

4N RED

4O RED

4P RED

4Q RED

4R RED

4S RED

4T RED

4U RED

4V RED

4W RED

4X RED

4Y RED

4Z RED

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5B RED

5C RED

5D RED

5E RED

5F RED

5G RED

5H RED

5I RED

5J RED

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7X RED

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10J RED

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10M RED

10N RED

10O RED

10P RED

10Q RED

10R RED

10S RED

10T RED

10U RED

10V RED

10W RED

10X RED

10Y RED

10Z RED

11A RED

11B RED

11C RED

11D RED

11E RED

11F RED

11G RED

11H RED

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11J RED

11K RED

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11M RED

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11P RED

11Q RED

11R RED

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12B RED

12C RED

12D RED

12E RED

12F RED

12G RED

12H RED

12I RED

12J RED

12K RED

12L RED

12M RED

12N RED

12O RED

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15B RED

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15G RED

15H RED

15I RED

15J RED

15K RED

15L RED

15M RED

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15O RED

15P RED

15Q RED

15R RED

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15T RED

15U RED

15V RED

15W RED

15X RED

15Y RED

15Z RED

16A RED

16B RED

16C RED

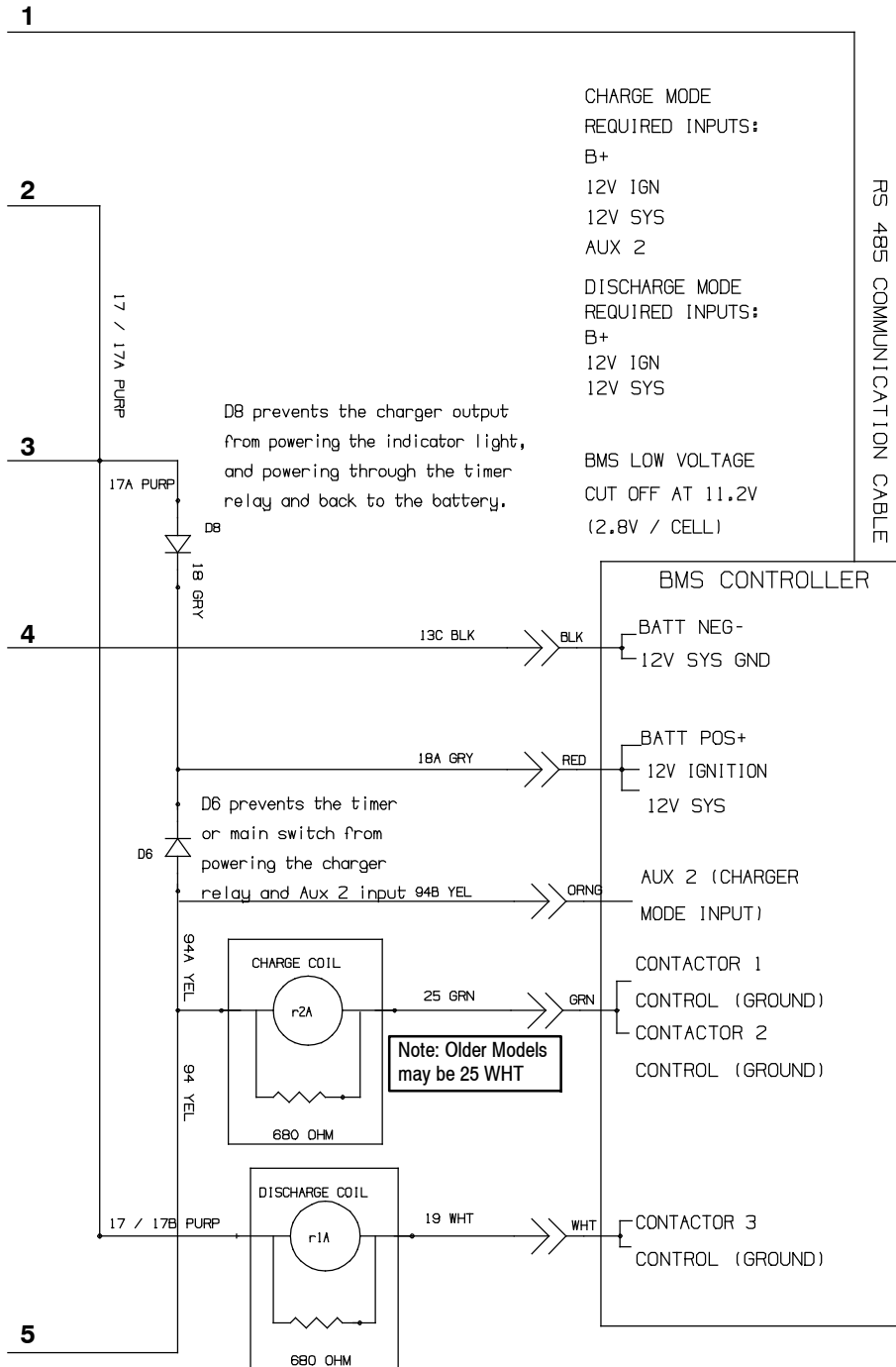
16D RED

16E RED

16F RED

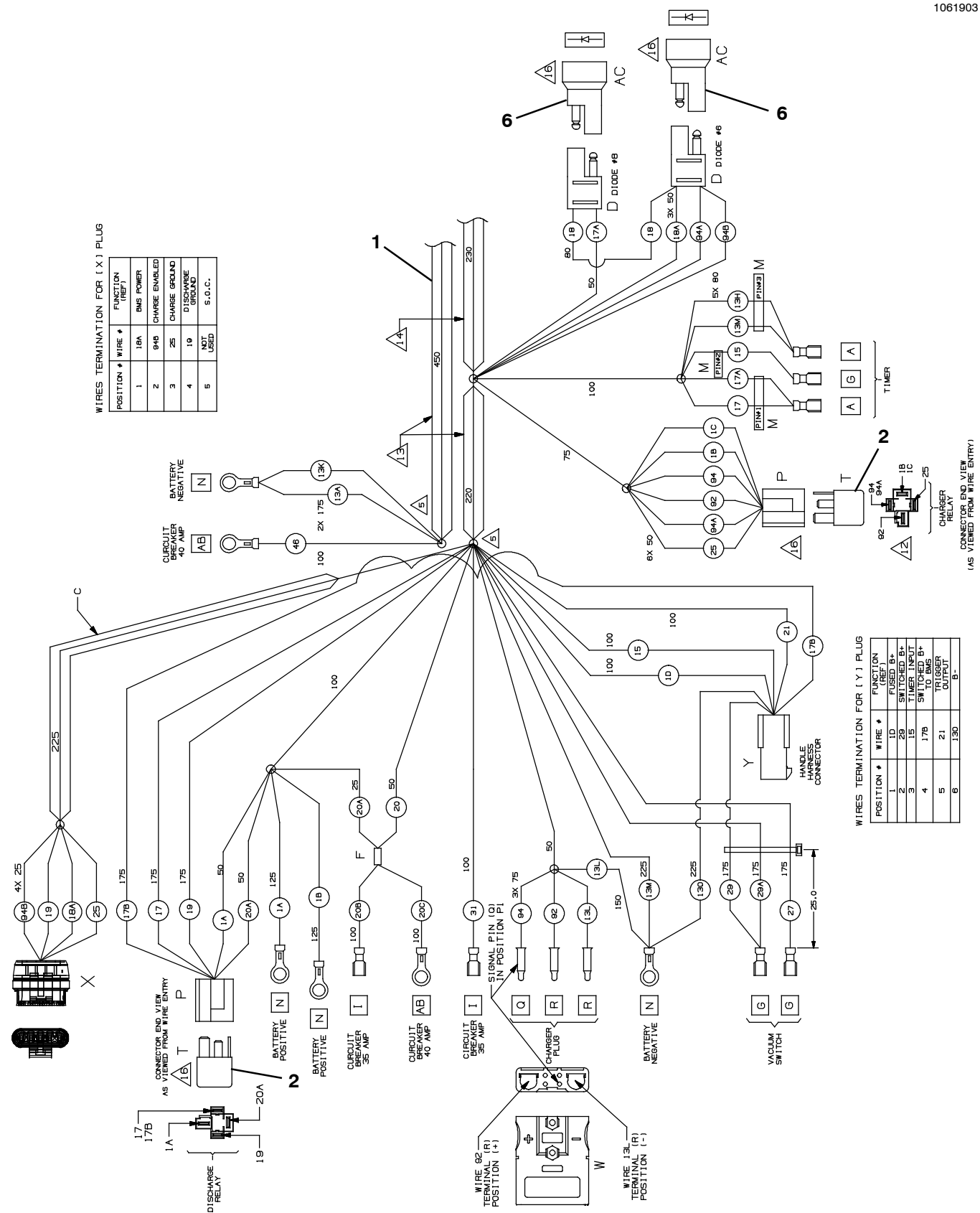
ELECTRICAL DIAGRAM WITH SEPARATE BMS MODULE

1050041



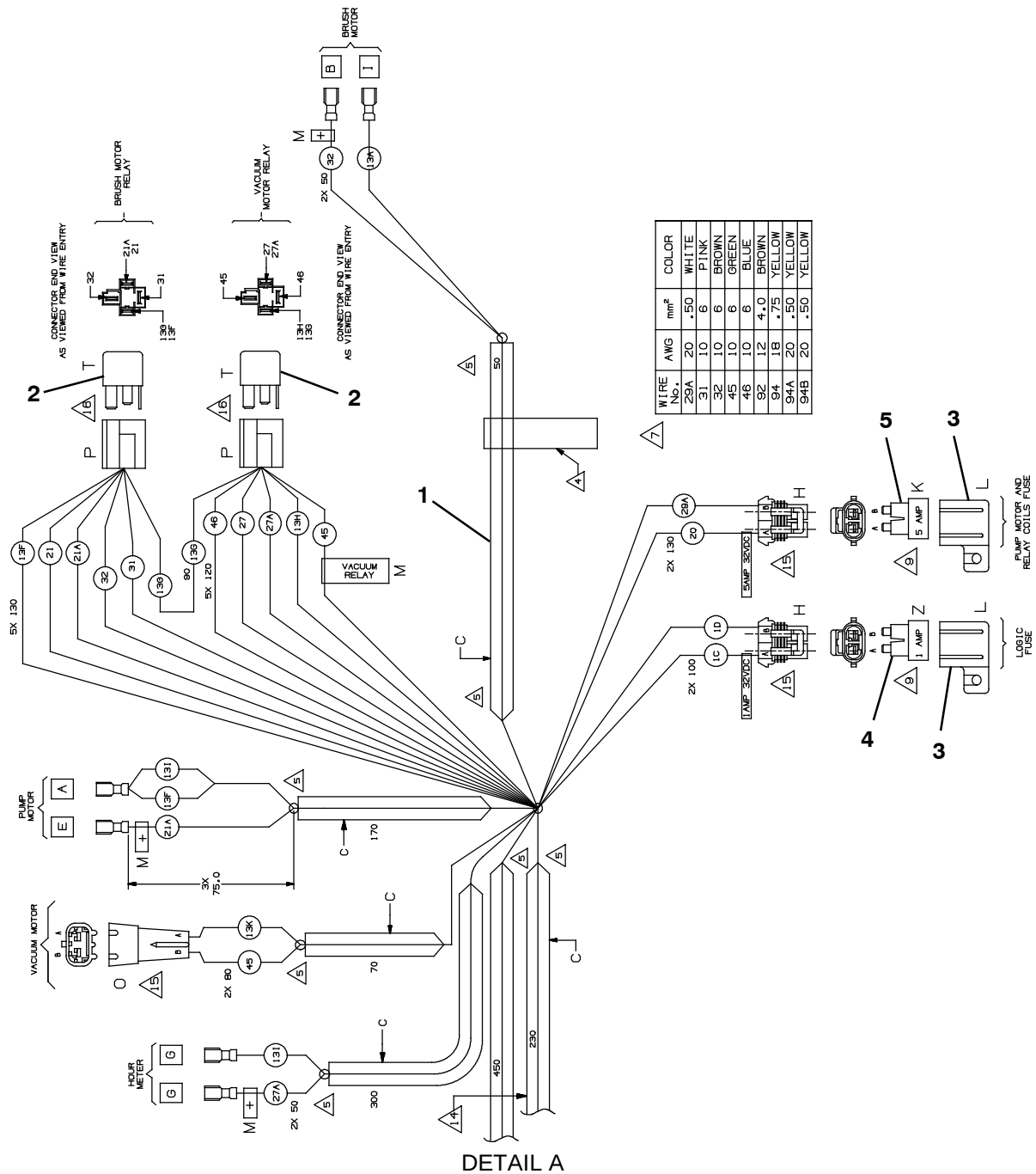
WIRE HARNESS, MAIN (S/N 10575378-)

1061903



WIRE HARNESS, MAIN (S/N 10575378-)

1061903



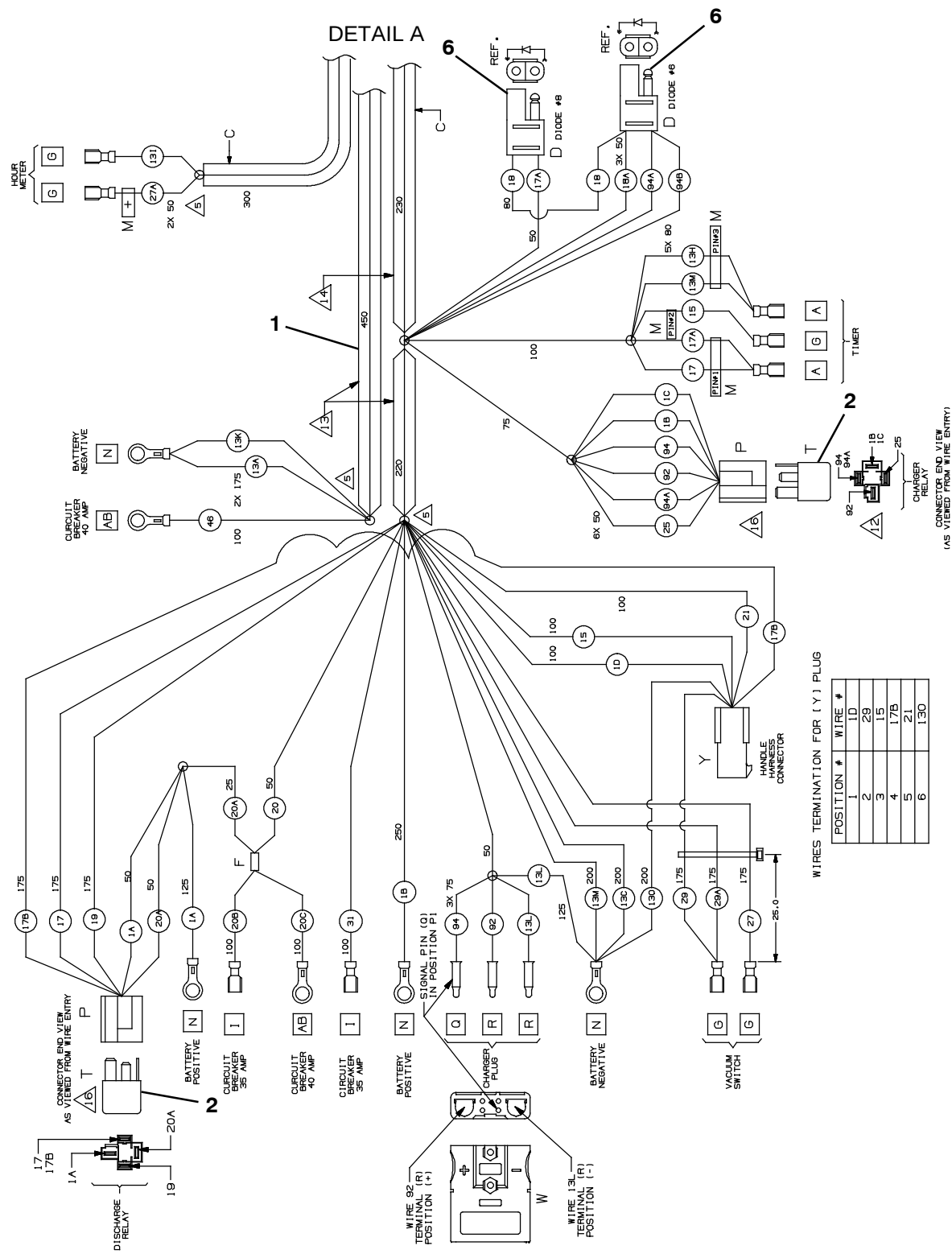
Ref.	Tennant Part No.	Serial Number	Description	Qty.
▽	1	1061903	(10575378-) Harness, Chassis, Sng [Na / Emc - Rev2c]	1
▲	2	1060940	(00000000-) Contactor, 12vdc, 080a, Spst, No	4
▲	3	1031195	(00000000-) Cover, Fuse [Mp 630 2f]	2
▲	4	1052127	(00000000-) Fuse, Blade, 001a, 32vdc	1
▲	5	1016029	(00000000-) Fuse, Blade, 005a, 32vdc	1
▲	6	222290	(00000000-) Diode, Ele, Plug	2

▽ ASSEMBLY

▲ INCLUDED IN ASSEMBLY

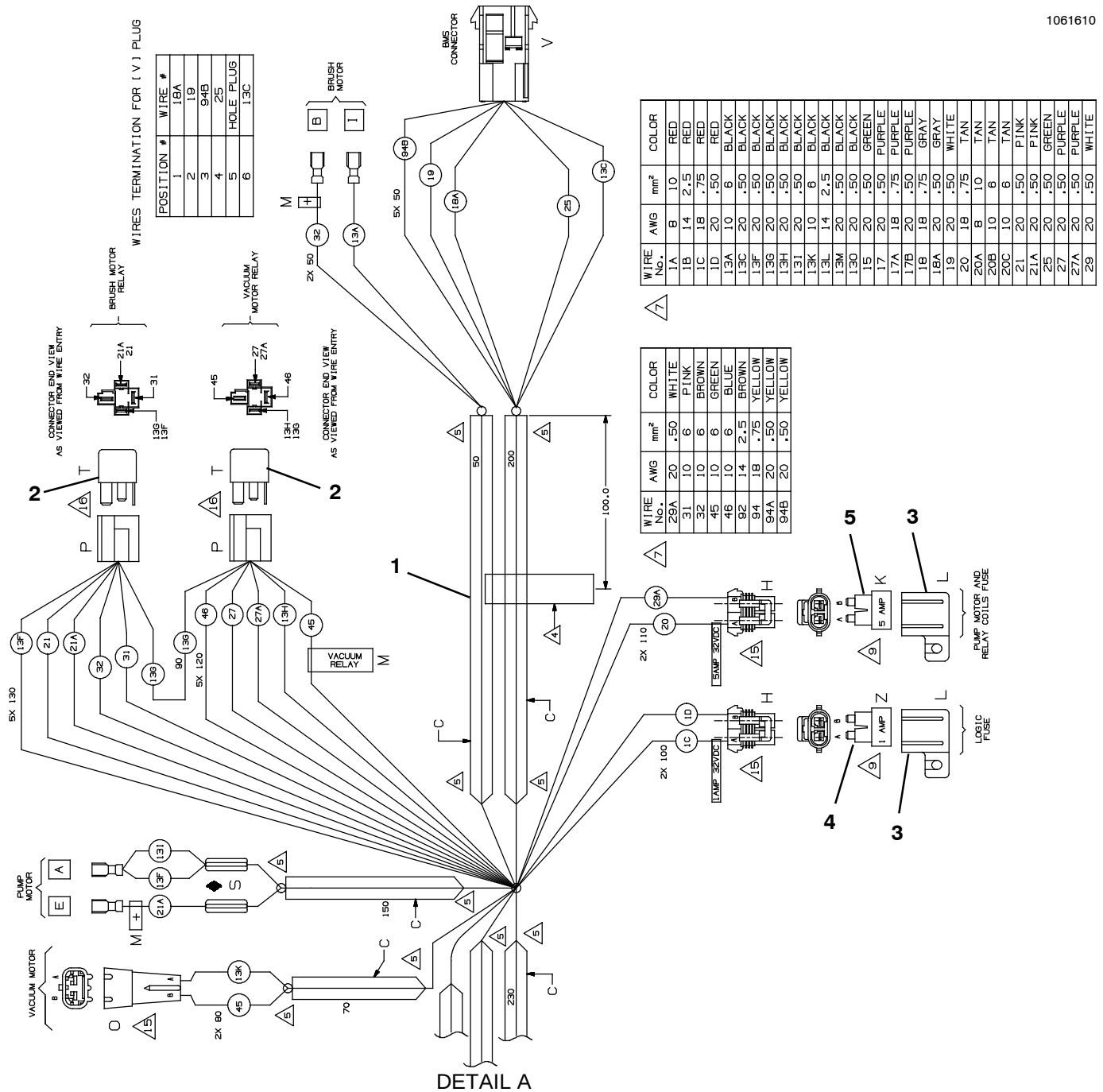
WIRE HARNESS, MAIN (S/N 00000000- 10575377)

1061610



WIRE HARNESS, MAIN (S/N 00000000- 10575377)

1061610



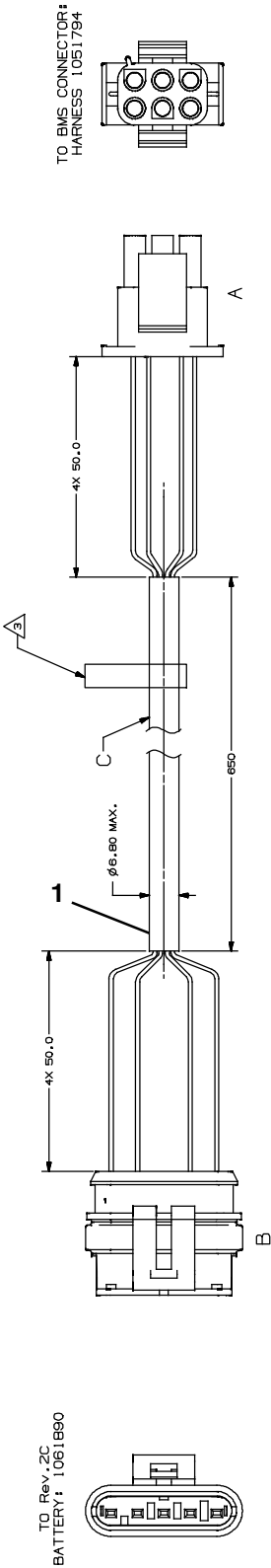
Ref.	Tennant Part No.	Serial Number	Description	Qty.
▽	1	1061610	(00000000- 10575377) Harness, Chassis, 12 Volt [Na / Emc]	1
▲	2	1060940	(00000000-) Contactor, 12vdc, 080a, Spst, No	4
▲	3	1031195	(00000000-) Cover, Fuse [Mp 630 2f]	2
▲	4	1052127	(00000000-) Fuse, Blade, 001a, 32vdc	1
▲	5	1016029	(00000000-) Fuse, Blade, 005a, 32vdc	1
▲	6	222290	(00000000-) Diode, Ele, Plug	2

▽ ASSEMBLY

▲ INCLUDED IN ASSEMBLY

WIRE HARNESS, JUMPER (S/N 10540328- 10575377)

1059444



WIRE TERMINATION FOR CONNECTOR L.A.1

POSITION #	WIRE	FUNCTION
1	BLACK	POWER
2	WHITE	DISCHARGE
3	BROWN	CHARGE ENABLE
4	BLUE	CHARGE GROUND
5	CAVITY PLUG	NOT USED
6	CAVITY PLUG	GROUND

WIRE TERMINATION FOR CONNECTOR L.B.1

POSITION#	WIRE	FUNCTION
1	BLACK	POWER
2	BROWN	CHARGE ENABLE
3	BLUE	CHARGE GROUND
4	WHITE	DISCHARGE GROUND
5	HOLE PLUG	SOC

TERMINAL	TERMINAL TYPES & SIZE	MFR	MANUFACTURER'S PART NUMBER
A	AMP MATE-N-LOK 6 POSITION CONNECTOR. HOUSING P/N: 148974-1 (1 REQ'D); CAVITY PLUG P/N: 794226-1 (1 REQ'D); CAVITY PLUG P/N: 794226-1 (1 REQ'D); CAVITY PLUG P/N: 794226-1 (1 REQ'D); CAVITY PLUG P/N: 794226-1 (1 REQ'D)	AMP/TYCO	
B	AMP SUPERSEAL 1.5 5 POSITION CONNECTOR. HOUSING P/N: 282089-1 (1 REQ'D); TERMINALS 282403-1 (4 REQ'D) OR 183035-1; CABLE SEALS 281934-4 (4 REQ'D); HOLE PLUG 282081 (1 REQ'D)	AMP	
C	20/4 CONDUCTOR CABLE	NORTH WIRE	FITC 204-01D OR ENGINEERING APPROVED EQUIVILANT

Ref.	Tennant Part No.	Serial Number	Description	Qty.
1	1059444	(10540328- 10575377)	Harness, Jumper, [Valence Rev1- Rev2c]	1

