

**Quality of Workmanship  
Innovative Design  
Built to Last!**



## EGR, QC - 09074 Operators And Parts Manual



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### MANUFACTURER OF OUTDOOR POWER EQUIPMENT

Products for Turf & Lawn care, Rental, Construction, Tree Care, Wood Processing, Nursery & Farm Industries

3-1/2" - 18" Capacity, Gas, Diesel, & PTO Wood/Brush Chippers - Slab Chippers  
Gas, Electric & Tow Behind Rollers - Tranz-Former Roller - CRV Core Recovery Vehicle  
Mini-Paver - Mini-Track Paver - Cobra Curbers - Scorpion Router - Concrete Paver  
Chipper Shredder Vacuums - Tailgate & Truckloader Vacuums  
9 cu. yds. - 50 cu. yds. Per Hour, Electric, PTO & Diesel Powered Shaving Mills



105 Schoolhouse Road  
Cheshire, CT 06410 U.S.A.  
800-872-5726 (Toll Free), 203-271-1682, 203-271-2596 (Fax)  
[www.salsco.com](http://www.salsco.com), [sales@salsco.com](mailto:sales@salsco.com)

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**MODEL 0009074 – ELECTRIC GREENS ROLLER QC**

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SALSCO, INC.  
105 Schoolhouse Rd., Cheshire, CT 06410  
800-872-5726, 203-271-1682, 203-271-2596(Fax)  
sales@salsco.com, www.salsco.com

## **STATEMENT OF FACT**

You have just purchased the highest quality, most dependable, Greens Roller, on the market today. This unit has the ability to meet exact standards and perform for years with minimum downtime. HOWEVER, it cannot read nor will it understand this manual no matter how long you leave it on top of the machine.

**It is your responsibility** to read and understand this manual; it is also your responsibility to be certain this information is passed along to anyone who is expected to operate this equipment. Should you choose not to read, understand and pass along the information provided you, please expect equipment failure and possible injuries to persons around this equipment.

For the safety of the operator, it is **imperative** that this manual is carefully read and understood.

Once you have read this manual, it is your responsibility to be sure that all new operators read and understand this manual, especially all cautions stated.

As a manufacturer of equipment, we have a responsibility to design a safe piece of equipment. NOTE: The important safeguards and instructions in this manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense, caution, and care are factors, which cannot be built into any product. These factors must be supplied by the person(s) caring for and operating this equipment.

**ONLY YOU CAN PREVENT ACCIDENTS!!**

## **MACHINE REGISTRATION**

MANUFACTURED BY: SALSCO, INC.  
105 Schoolhouse Rd., Cheshire, CT 06410  
800-872-5726, 203-271-1682, 203-271-2596 (Fax)  
[sales@salsco.com](mailto:sales@salsco.com) [www.salsco.com](http://www.salsco.com)

THIS MANUAL COVERS MODEL(s): \_\_\_\_\_, \_\_\_\_\_

This company reserves the right to discontinue, add improvements to, or change the design of any model or product at any time without obligation to improve existing machines, either by changing the design or adding new parts.

It has been and will continue to be the policy of SALSCO to update existing machines at its own discretion. Whenever possible, new designs will be made in such a way that they can be "Retro Fit" if so desired.

Record in the space provided below the model and serial number of this unit. Please retain these numbers for future reference.

**NO PARTS ORDERS** will be accepted **WITHOUT A SERIAL NUMBER, MODEL NUMBER AND PART NUMBERS**. All part numbers are listed in this manual.

\_\_\_\_\_  
Serial Number

\_\_\_\_\_  
Model Number

NOTE: Be sure to complete your warranty card. This will ensure immediate processing of any warranty claims.

**READ AND UNDERSTAND THIS MANUAL BEFORE STARTING THE  
MACHINE**



## **SAETY INSTRUCTIONS**

1. **NEVER** leave unit running while unattended.
2. **NEVER** park on a green for any reason.
3. **NEVER** go down steep hills sideways. **ALWAYS** approach hills straight on.
4. **NEVER** change your mind mid-way down a steep incline. Once you've started down a steep incline, change direction only with the greatest of care and gentlest touch.

## **OPERATING INSTRUCTIONS**

1. Check that the unit has been serviced.
2. You should start unit from seated position. Just reach down to On/Off switch and turn unit on. Keep feet off pedals.
3. **REMEMBER: RIGHT PEDAL TO GO RIGHT, LEFT PEDAL TO GO LEFT.**
4. Once unit is running, push pedal down slowly. Unit will begin to move. Drive it out of trailer on to a grassy area.
5. Speed is controlled by pressure on the pedal.

### **HINTS:**

1. **KEEP BOTH FEET ON PEDALS AT ALL TIMES.** By keeping your heels planted and moving your toes to change direction, you have smooth control - left to right.
2. If you roll the same direction as green was mowed, it's easy to follow the lines. This helps a new operator do a fine job sooner.
3. To ensure longer life to your unit, when changing direction do so smoothly.
4. **REMEMBER TO TURN UNIT OFF BEFORE GETTING OFF.**

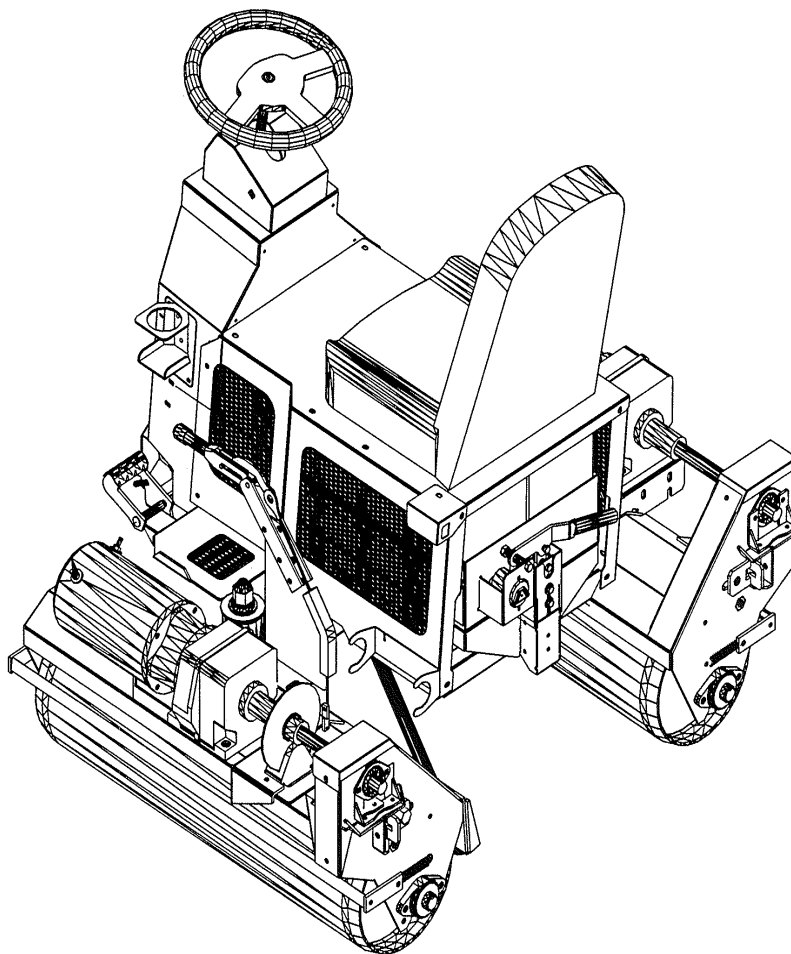
## **SERVICE & MAINTENANCE INSTRUCTIONS**

1. Check all grease fittings as listed below on a **WEEKLY** basis, and grease as necessary. (Add grease till grease leaks slightly from fitting.)
  - Bearings on roll housings - Quantity 4
  - Pivot bearing on main housing - Quantity 2
  - U-Joint on steering shaft - Quantity 1
2. After approximately **1 WEEK** of use, **and then every 2 WEEKS thereafter**, check drive chains - one on each side on roller drive motor. Pivot motor to tighten chain.  
**NOTE: Check and adjust the tension of both drive motor chains on a regular basis. If chains are not tight, this could cause severe sprocket wear and possible breakage.**
3. After approximately **1 WEEK** of use, **and then every 2 WEEKS thereafter**, check chains on steering. Adjust as needed.
4. Pivot for articulating steering should be tight, **with no play**, much the same as wheel bearings on cars.
5. **Keep unit clean.** Should rust form on rolls, simply drive the unit on a rough area till rolls are clean.
6. **Battery Maintenance/Charging. SEE MATERIALS/MANUAL PROVIDED BY TROJAN, ENCLOSED IN THE MANUAL PACKAGE YOU RECEIVED WITH THE ROLLER.**

SAFETY IS A PRIME CONCERN AT SALSCO AND THE SAFETY DECALS ON YOUR MACHINE ARE A HIGHLY VISIBLE AND CONSTANT REMINDER TO ALL OPERATORS. REPLACEMENT SAFETY DECALS MAY BE OBTAINED BY CALLING SALSCO @ 1-800-872-5726, OR THE DEALER IN YOUR AREA.

ITEM	DESCRIPTION	PART NO
	ELECTRIC GREENS ROLLER QC ASSY	0009074

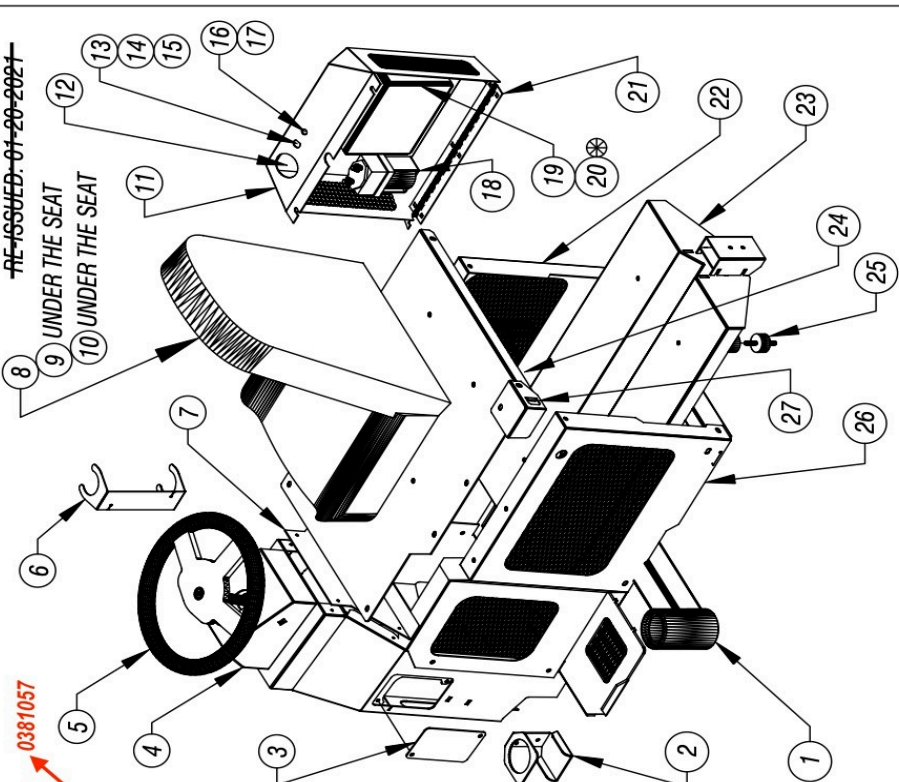
ISSUED: 03-25-2009



ELECTRIC GREENS ROLLER QC - DWG #1

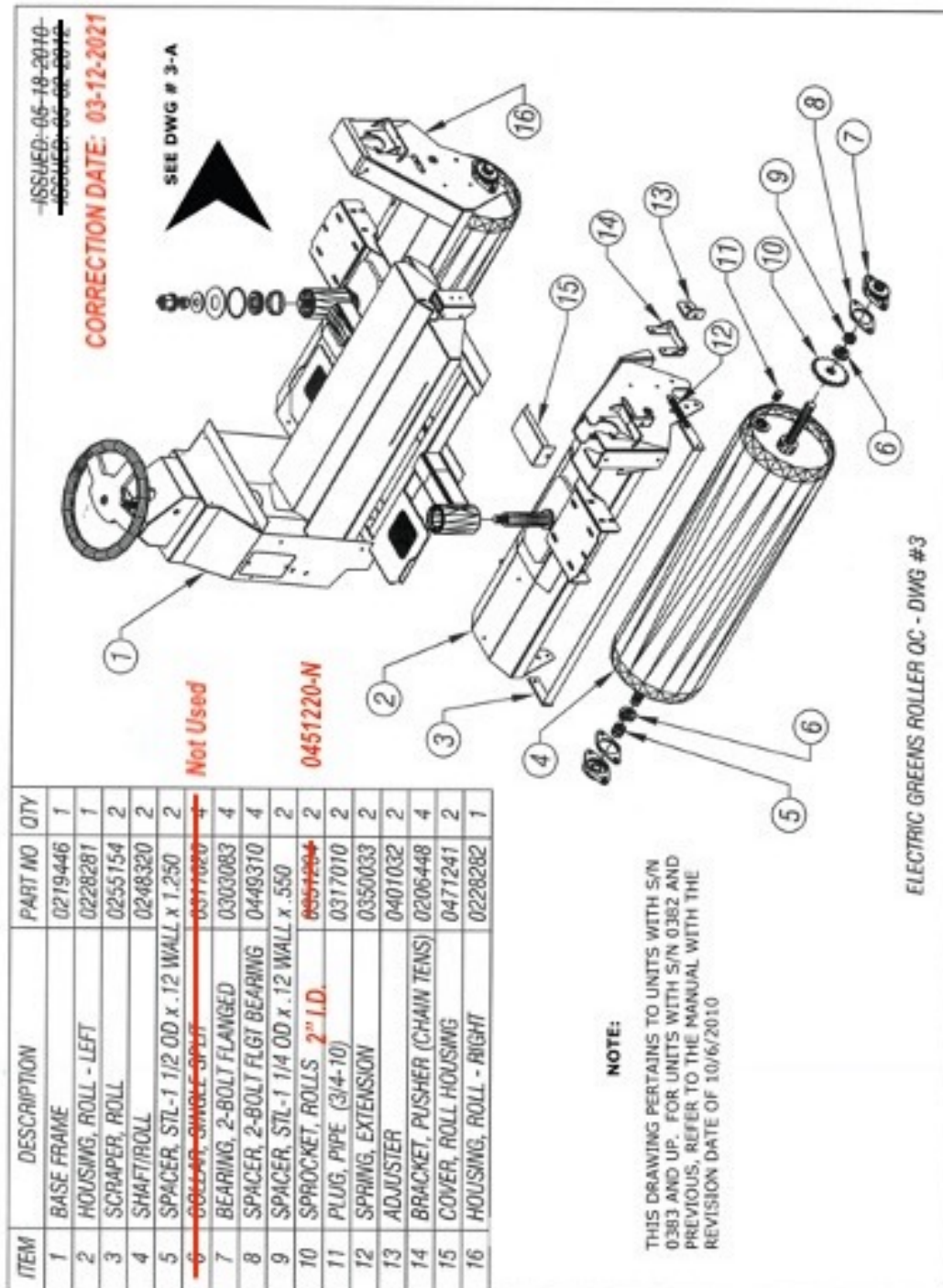
ITEM	DESCRIPTION	PART NO	QTY
1	FRAME, BASE	0219446	1
2	CAN HOLDER	0481046	1
3	DOOR, FWD/REV SWITCH ACCES	0460090	1
4	BOX, TILT WHEEL STEERING	0280052	1
5	STEERING WHEEL	0336052	1
6	HOLDER, MANUAL TUBE	<del>0401029</del>	1
7	COVER, STEERG COLUMN, REAR	0471373	1
8	SEAT ASSY	0347006	1
9	SEAT SWITCH	0315133	1
10	SEAT SLIDES - SET	0347005	1
11	DOOR, CONTROL BOX (LEAD ACID BATTERY PACK)	0260086	1
11a	DOOR, CONTROL BOX (LITHIUM BATTERY PACK)	0260127	1
12	BATTERY DISCHARGE GAUGE	0315135	1
13	IGNITION SWITCH	0315134	1
14	IGNITION KEY	0315142	1
15	FLANGE NUT - IGNITION SWITCH	0315141	1
16	TOGGLE SWITCH, HEAD LIGHTS	0315143	1
17	BOOT FOR TOGGLE SWITCH	0315145	1
18	MAIN CONTACTOR COIL	0315172	1
19	CONTROLLER	0315282	1
20	WIRING HARNESS	0315283	1
21	HINGE, CONTROL BOX DOOR	0424042	1
22	PANEL, BATRY BOX HSNG-RIGHT	0286442	1
23	SHELF, BATTERY BOX SLIDE TRAY (FOR LEAD ACID BATTERY PACK)	0283068	1
23a	BOX, BATTERY (FOR LITHIUM BATTERY PACK)	0280089	1
24	PLATE, SEAT MOUNTING	0462757	1
25	MOUNT, RUBBER SANDWICH	0376250	4
26	PANEL, BATRY BOX HSNG-LEFT	0286440	1
27	BRACKET, LIGHT PLUG ATTACH.	0406991	1

ISSUED: 07-07-2009  
 RE-ISSUED: 01-14-2011  
 RE-ISSUED: 01-20-2021  
 CORRECTION DATE: 03-12-2021



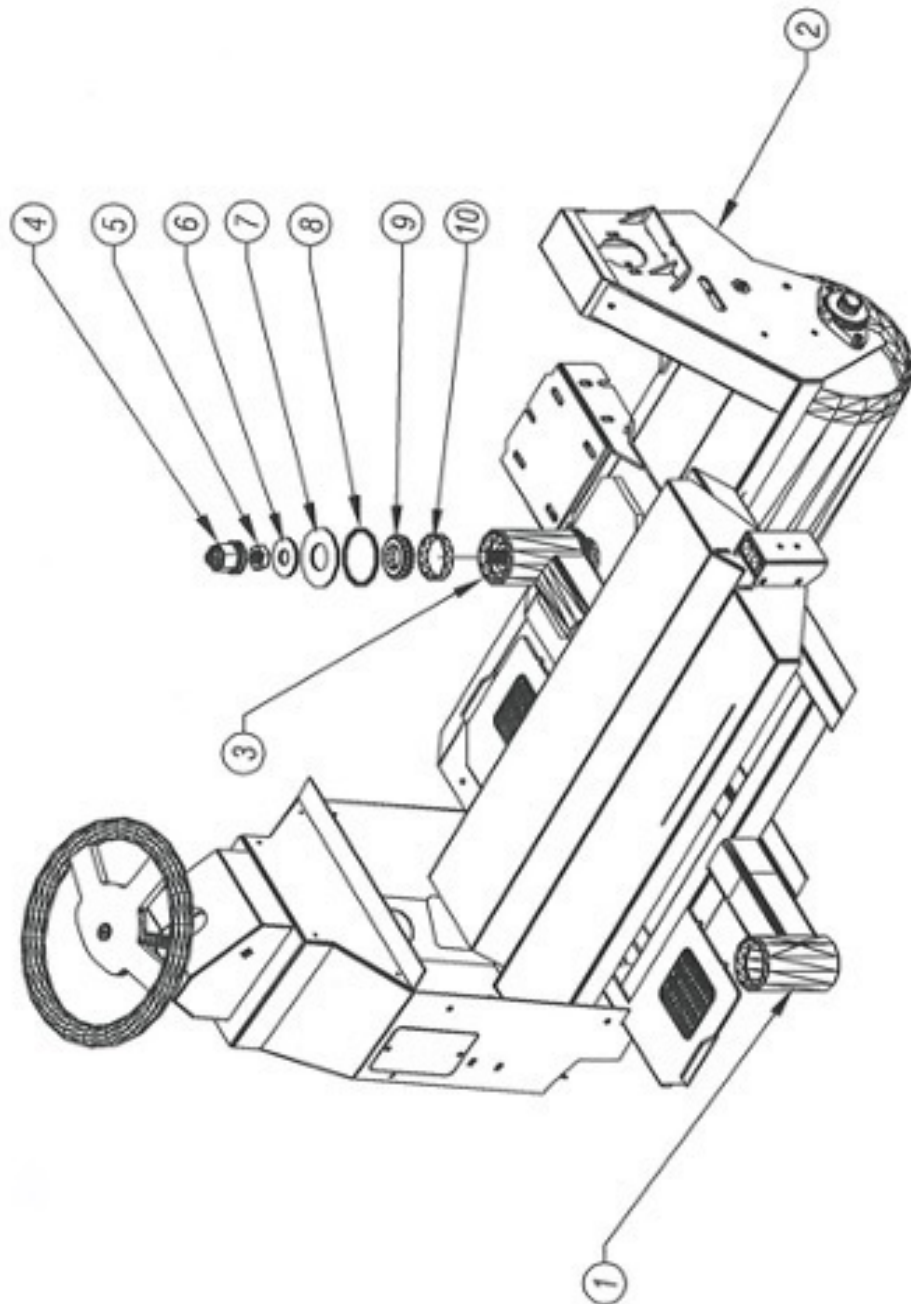
ELECTRIC GREENS ROLLER QC - DWG #2

SEE WIRING DIAGRAM



ITEM	DESCRIPTION	PART NO	QTY	ITEM	DESCRIPTION	PART NO	QTY
1	BASE FRAME	0219446	1	6	FLAT WASHER	0353106	2
2	HOUSING, ROLL - RIGHT	0228282	1	7	WASHER	0453117	4
3	HOUSING, OSCILLATOR BEARING	0228164	1	8	O-RING	0343003	4
4	NUT CAP	0338405	2	9	CONE BEARING	<del>0303015</del>	4
5	JAM NUT	0338060	2	10	BEARING CUP	<del>0303016</del>	4

ISSUED: 05-18-2010  
ISSUED: 05-02-2012  
ISSUED: 08-15-2012  
CORRECTION DATE:  
03-12-2021  
0303089-N  
0303090-N



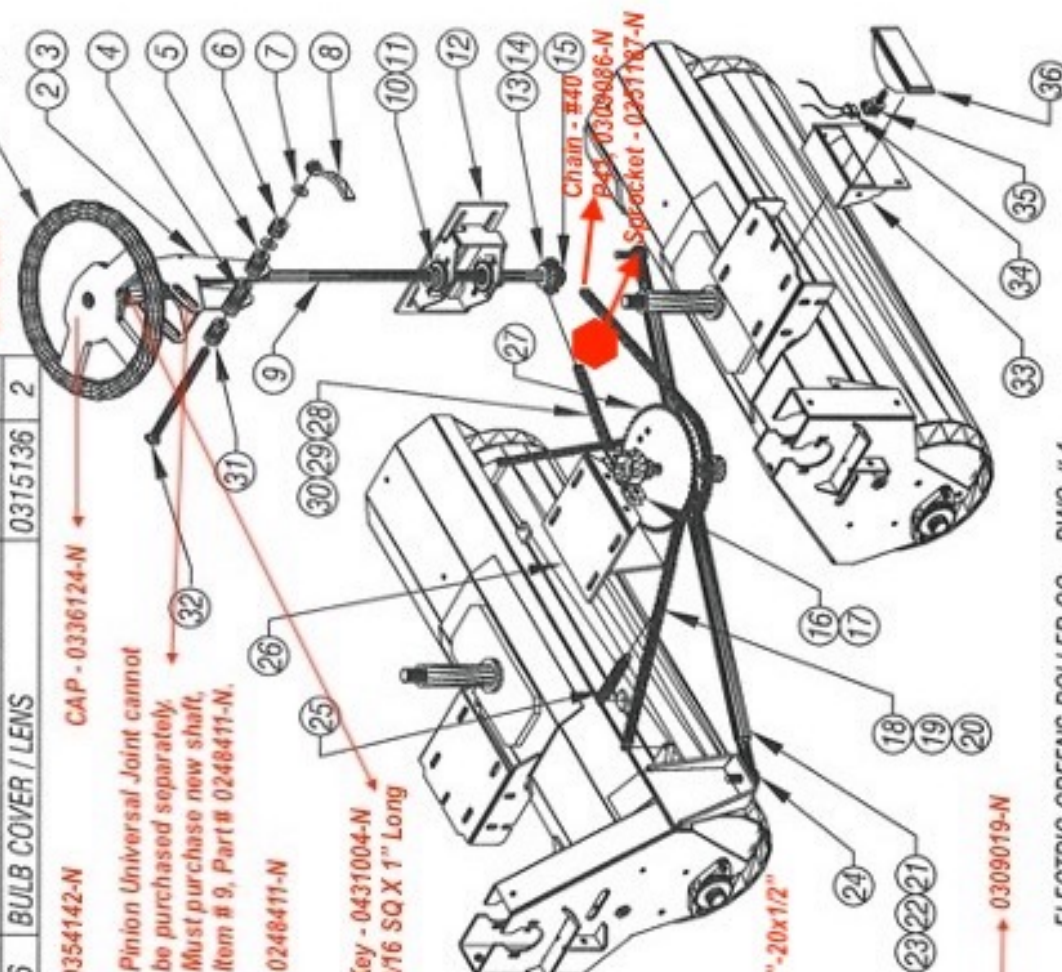
ELECTRIC GREENS ROLLER QC - DWG #3A



ISSUED: 03-25-2009  
 ISSUED: 03-21-2012  
 ISSUED: 01-11-2019

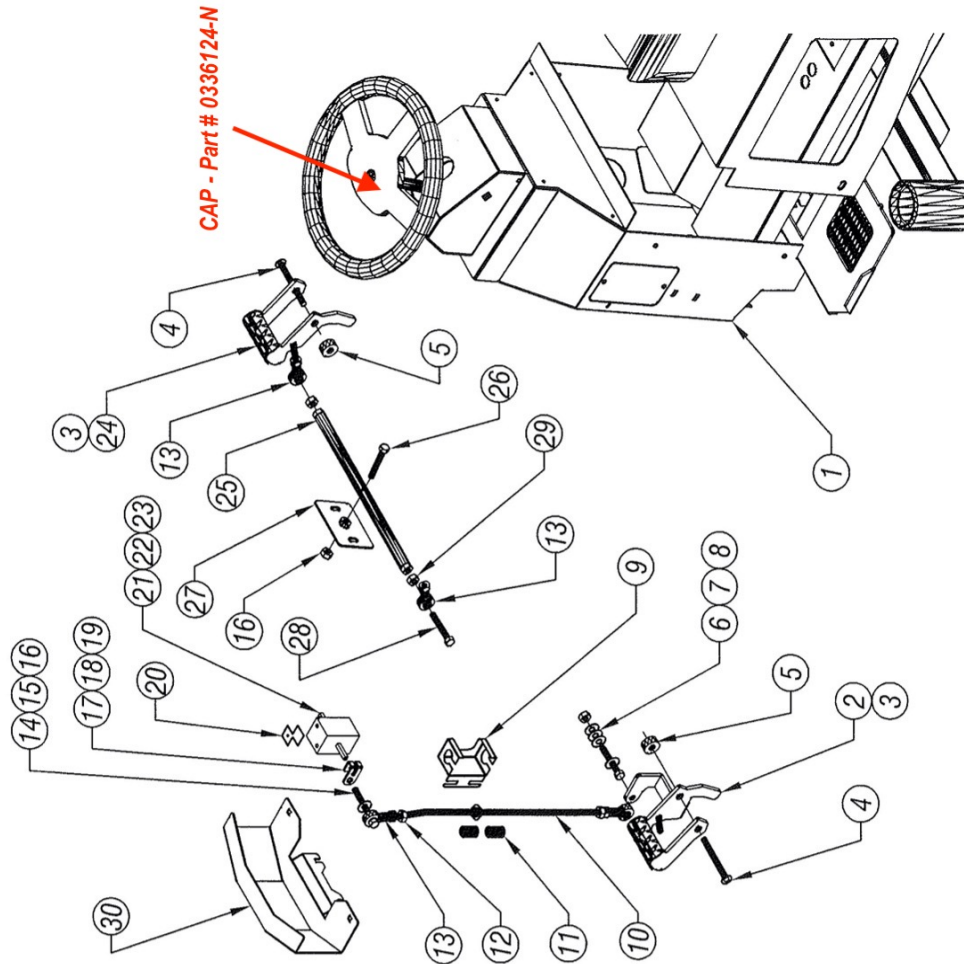
CORRECTION DATE:  
 03-12-2021

ITEM	DESCRIPTION	PART NO	QTY	ITEM	DESCRIPTION	PART NO	QTY
1	STEERING WHEEL	0336052	1	33	HEADLIGHT BOX	0280014	2
2	ARM, TILT WHEEL STEER'G PIVOT	0265113	1	34	BULB PIGTAIL	0315137	2
3	BUSHING, OIL LITE	0307038	2	35	HEADLIGHT BULB ONLY-90°	0315343	2
4	DOM TUBE - 1" OD x 1/4 WALL x 2.000 LG	0354142-N	1	36	BULB COVER / LENS	0315136	2
5	DOM TUBE - 1" OD x 1/4 WALL x 1.515 LG		1				
6	DOM TUBE - 1" OD x 1/4 WALL x .875 LG		1				
7	WASHER, FLAT - UHMW	0353333	2				
8	EASY GRIP HANDLE - 1/2 - 13	0323142	1				
9	FLEXIBLE SHAFT	0348279	1				
10	FLANGETTE, (2) BOLT	0303005	4				
11	BEARING INSERT	0303023	2				
12	BRKT,SUPPORT STEERING SHAFT	0206982	1				
13	SPROCKET, STEERING SHAFT	0351003	2				
14	KEY - 3/16 SQ x 1" LONG	0431004	1				
15	SET COLLAR, 3/4 ID	0311046	1				
16	FLANGETTE, PILLOW BLOCK	0303024	2				
17	BEARING INSERT - 3/4 ID	0303023	2				
18	# 50 ROLLER CHAIN (59) P 63	0309051	1				
19	# 50 CHAIN MASTER LINK	0309008	1				
20	# 50 CHAIN HALF LINK	0309022	2				
21	TIE ROD, ROLLS STEERING	0245182	1				
22	LOCK WASHER	0353015	2				
23	JAM NUT	0338058	2				
24	<del>BEARING</del> , BALL JOINT ROD END	0303017	2				
25	SPRING, EXT. (STRG CHAIN)	0350009	2				
26	BRACKET, STEERING SPROCKET	0206120	1				
27	SPROCKETS, (2) ON SHAFT	0251060	1				
28	# 40 ROLLER CHAIN (101) P 79	0309012	1				
29	# 40 CHAIN MASTER LINK	0309006	1				
30	# 40 CHAIN HALF LINK	0306019	1				
31	TUBE, HANDLE LEVER LOCKING	0467491	1				
32	CARRIAGE BOLT	0346458	1				



ELECTRIC GREENS ROLLER QC - DWG #4

ITEM	DESCRIPTION	PART NO	QTY
1	FRAME, BASE	0219446	1
2	PEDAL, FOOT - LEFT	0268032	1
3	BUSHING, FLANGED, BRONZE	0303020	4
4	PIN, FWD / REV FOOT PEDAL	0240068	2
5	COLLAR, SET	0311031	2
6	BOLT, HEX HD 3/8-16 x 2" LG	0346207	1
7	WASHER, FLAT	0353102	5
8	LOCK NUT, NYLON INSERT	0338102	1
9	BRKT, FWD / REV SPRINGS	0206907	1
10	ROD, THROTTLE	0245180	1
11	SPRINGS, COMPRESSION	0350031	2
12	JAM NUT, 3/8-24 FINE THRD'S	0338018	2
13	BEARING, ROD END, BALL JOINT	0303019	4
14	BOLT, HEX HD 3/8-16 x 1 1/2 LG	0346205	1
15	WASHER, FLAT	0353102	1
16	LOCK NUT, STOVER 3/8-16	0338152	2
17	BRKT, FWD / REV THROTTLE	0406900	1
18	BOLT, HEX HD 1/4-20 x 1 1/4 LG	0346007	1
19	LOCK NUT, NYLON INSERT	0338100	1
20	BASE SPACER, ELEC. THROTTLE	0484108	1
21	ELECTRONIC THROTTLE	0315328	1
22	SPLIT LOCKWASHER, #10	0353009	2
23	SCREW, # 10-32 x 3/8" LG	0346812	2
24	PEDAL, FOOT - RIGHT	0268031	1
25	TUBE, F/R FOOT PEDAL CROSS	0267500	1
26	BOLT, HEX HD 3/8-16 x 3" LG	0346252	1
27	BRACKET, FWD/REV PIVOT	0206908	1
28	BOLT, HEX HD 3/8-16 x 2" LG	0346252	1
29	JAM NUT, HEX HD 3/8-16	0338052	2
30	COVER, STEERING COL BUMPER	0271375	1



~~ISSUED: 03-25-2009~~  
CORRECTION DATE: 03-12-2021

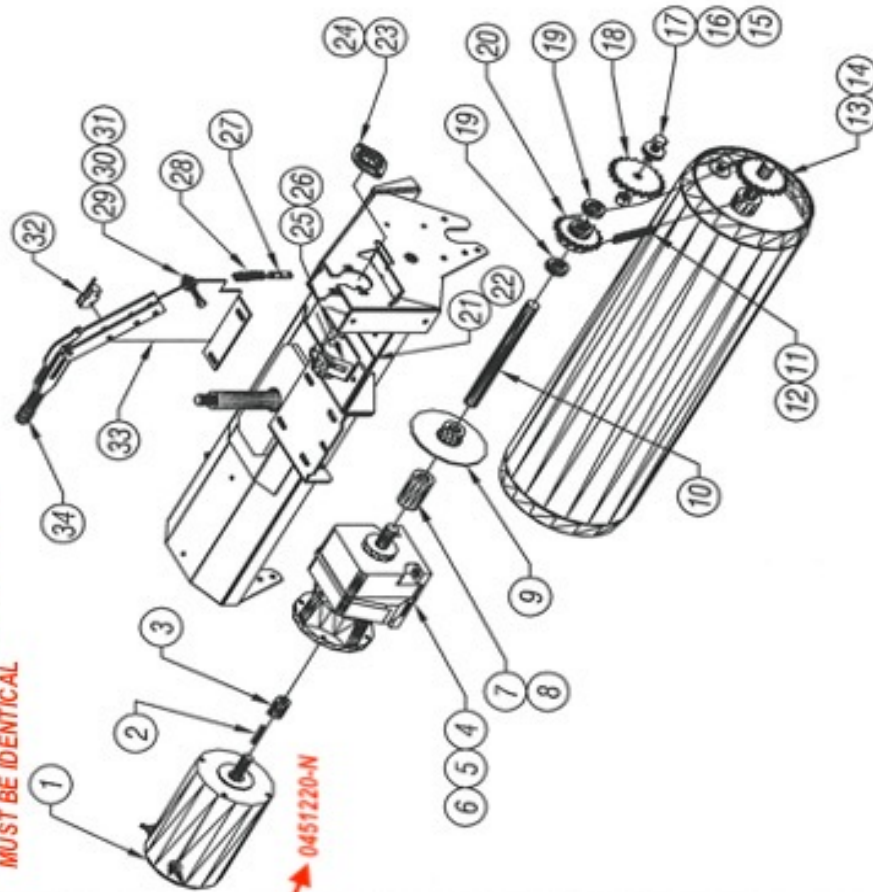
ELECTRIC GREENS ROLLER QC - DWG #5



ISSUED: 05-18-2010  
 ISSUED: 09-21-2011  
~~ISSUED: 08-15-2012~~  
**CORRECTION DATE:**  
**03-12-2021**

ITEM	DESCRIPTION	ITEM	DESCRIPTION	PART NO	QTY
31	JAM NUT	31	JAM NUT	0338052	2
32	SNAP SWITCH - HAND BRAKE	32	SNAP SWITCH - HAND BRAKE	0315072	1
33	BRACKET, EMER. BRAKE LEVER	33	BRACKET, EMER. BRAKE LEVER	0406711	1
34	LEVER, PARKING BRAKE	34	LEVER, PARKING BRAKE	0333004	1

0363018-N - NOTE: PURCHASE TWO.  
 MUST BE IDENTICAL



ITEM	DESCRIPTION	PART NO	QTY
1	MOTOR, ELECTRIC, DC	0337345	2
2	KEY, (6mm)	0431025	2
3	BUSHING, GEARBOX / MOTOR	0307037	2
4	GEARBOX	<del>0363014</del>	2
5	GEARBOX SEAL - HIGH SPEED	0363015	2
6	GEARBOX SEAL - LOW SPEED	0363016	2
7	COUPLER, SPLIT	0313080	2
8	KEY, STEEL- 1/4 x 1/4 x 3" LG	0431122	2
9	DISC & HUB	0329086	2
10	SHAFT, DRIVE	0448220	2
11	ROLLER CHAIN	0309090	2
12	MASTER LINK	0309008	2
13	SPROCKET, ROLLS 2" I.D.	<del>0351218</del>	2
14	BUSHING	0351213	2
15	BOLT HEX HD, 5/8-11 x 2" LG	0346517	2
16	WASHER, FLAT 5/8 ID	0353110	6
17	LOCK NUT, 5/8-11	0338105	2
18	SPROCKET, IDLER	0351107	2
19	COLLAR, SINGLE SPLIT 1" ID	0311010	4
20	SPROCKET, DRIVE SHAFT	0351217	2
21	MOUNT, BRAKE CALIPER	0276544	1
22	PLATE, BRAKE CALIPER CLAMP	0462342	1
23	FLANGETTE	0366002	8
24	BEARING INSERT (1" ID)	0303007	4
25	DISC CALIPER BRAKE ASSY	0336126	1
26	PUCK KIT, (REPLACEMENT)	0336128	1
27	BRAKE CHAIN LINK	0434060	1
28	BRAKE CHAIN, 27 PITCHES	0309078	1
29	BOLT, BRAKE CHAIN GUIDE	0346205	1
30	FLAT WASHER	0353111	2

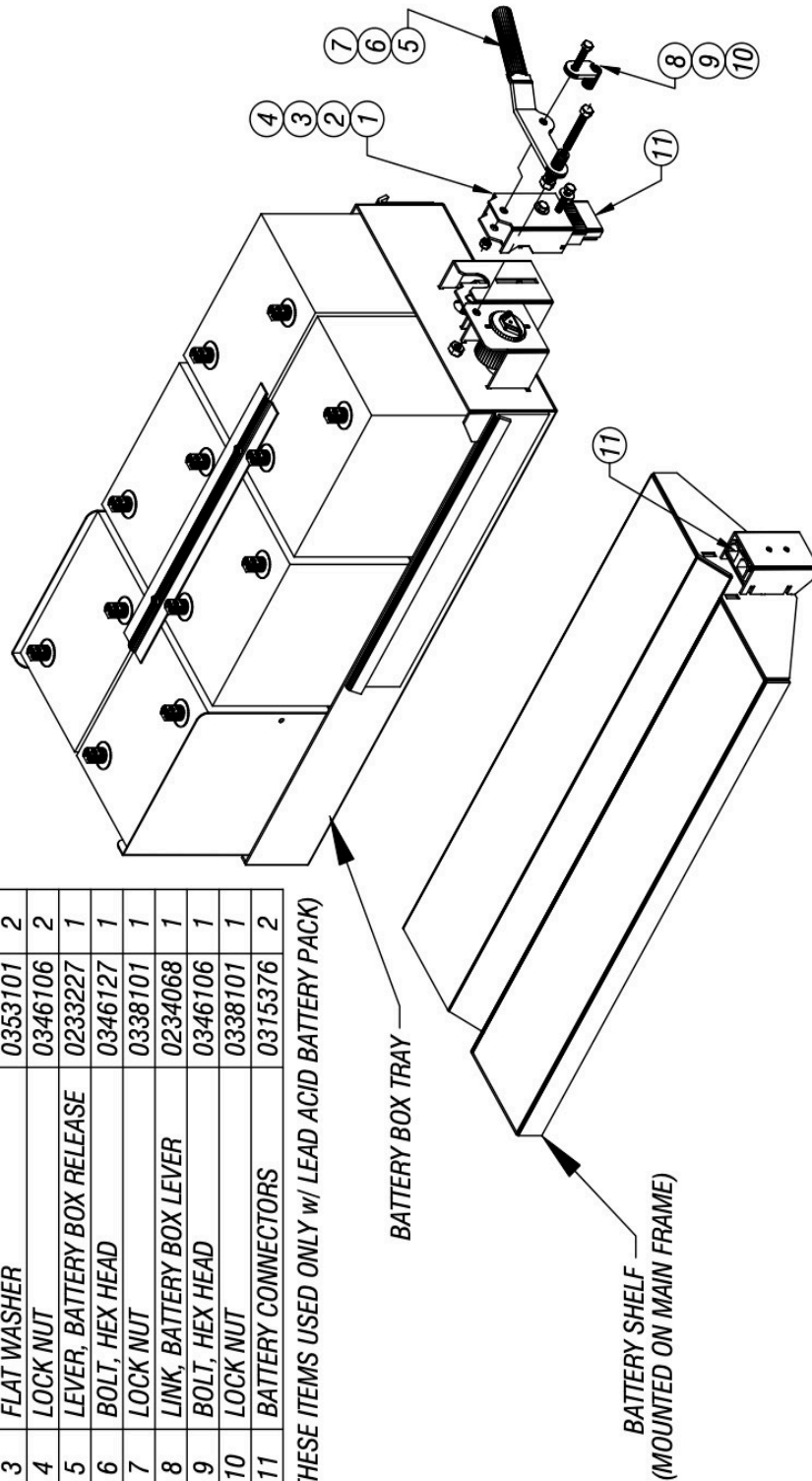
NOTE: THIS DRAWING PERTAINS TO UNITS WITH S/N 0383 AND UP.  
 FOR UNITS WITH S/N 0382 AND PREVIOUS, REFER TO THE MANUAL  
 WITH THE REVISION DATE OF 10/6/2010.

ELECTRIC GREENS ROLLER QC - DWG #6

~~ISSUED: 03-25-2009~~  
~~ISSUED: 05-02-2012~~  
 ISSUED: 01-20-2021

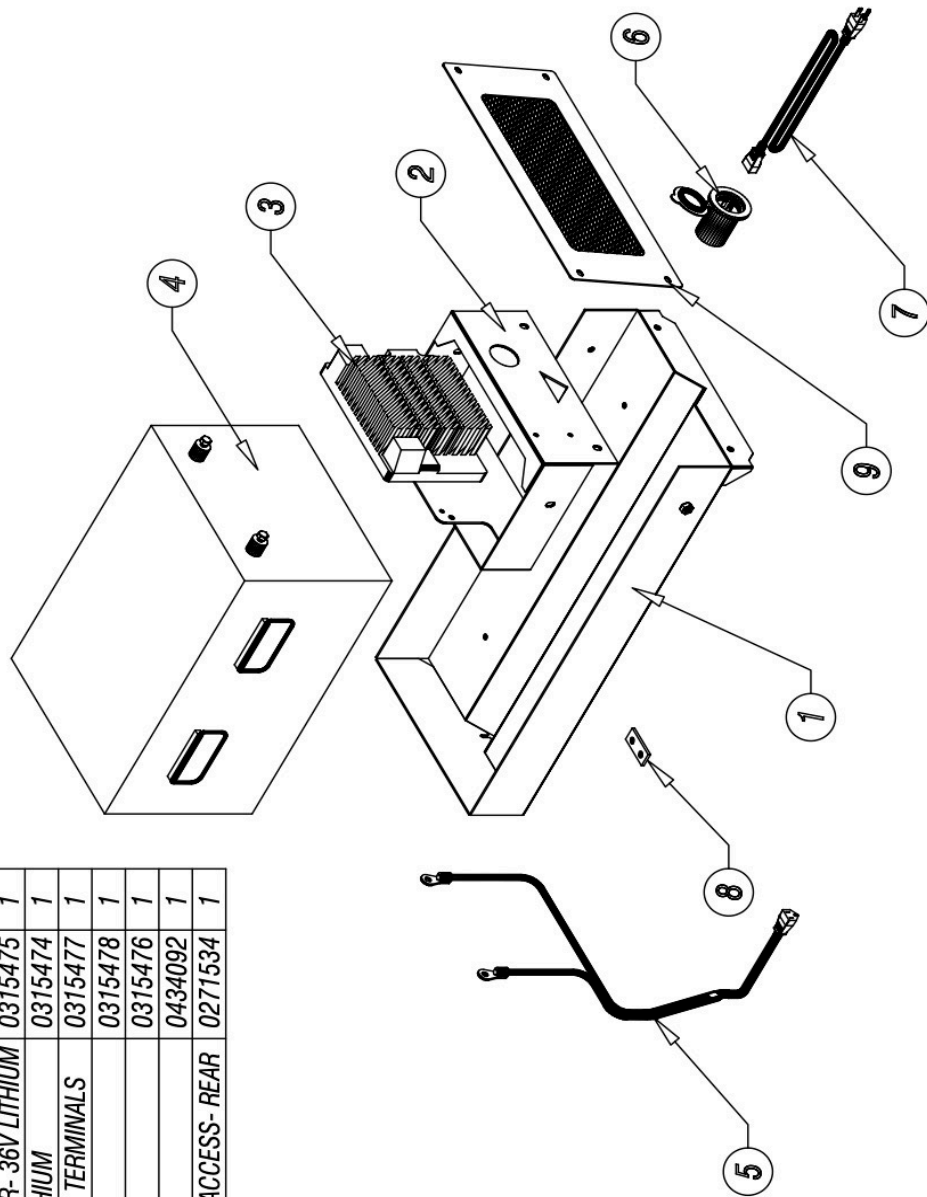
ITEM	DESCRIPTION	PART NO	QTY
1	BOX, ELECT. CONNECTOR SLIDE	0280055	1
2	BOLT, HEX HEAD	0346106	2
3	FLAT WASHER	0353101	2
4	LOCK NUT	0346106	2
5	LEVER, BATTERY BOX RELEASE	0233227	1
6	BOLT, HEX HEAD	0346127	1
7	LOCK NUT	0338101	1
8	LINK, BATTERY BOX LEVER	0234068	1
9	BOLT, HEX HEAD	0346106	1
10	LOCK NUT	0338101	1
11	BATTERY CONNECTORS	0315376	2

(THESE ITEMS USED ONLY w/ LEAD ACID BATTERY PACK)



ELECTRIC GREENS ROLLER QC - DWG #7  
 (THESE ITEMS USED ONLY w/ LEAD ACID BATTERY PACK)

ITEM	DESCRIPTION	PART NO	QTY
1	BOX, BATTERY	0280089	1
2	MOUNT, BATTERY CHARGER	0291183	1
3	BATTERY CHARGER- 36V LITHIUM	0315475	1
4	BATTERY- 36V LITHIUM	0315474	1
5	DC CORD w/ RING TERMINALS	0315477	1
6	AC PORT PLUG	0315478	1
7	AC POWER CORD	0315476	1
8	LINK, BUSS BAR	0434092	1
9	COVER, BATTERY ACCESS- REAR	0271534	1

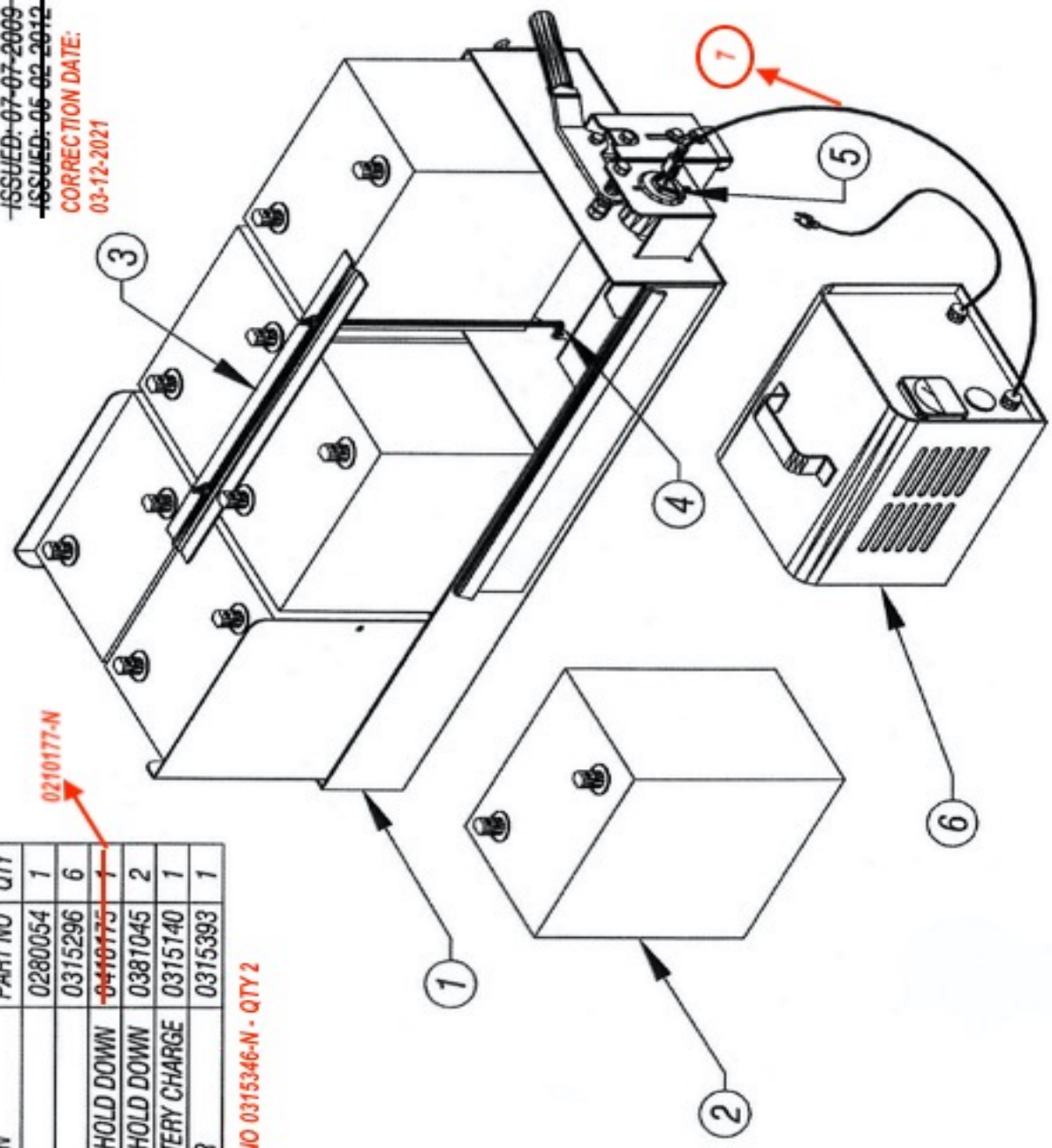


ELECTRIC GREENS ROLLER QC - DWG. #7A  
(THESE ITEMS USED ONLY w/ LITHIUM BATTERY PACK)

ISSUED: 07-07-2009-  
 ISSUED: 06-02-2012-  
 CORRECTION DATE:  
 03-12-2021

ITEM	DESCRIPTION	PART NO	QTY
1	BATTERY TRAY	0280054	1
2	BATTERY, 6 VOLT	0315296	6
3	CLAMP, BATTERY HOLD DOWN	<del>0410175</del> 0210177-N	1
4	J-HOOK, BATTERY HOLD DOWN	0381045	2
5	RECEPTACLE, BATTERY CHARGE	0315140	1
6	BATTERY CHARGER	0315393	1

ITEM # 7 - CORD - PART NO 0315346-N - QTY 2

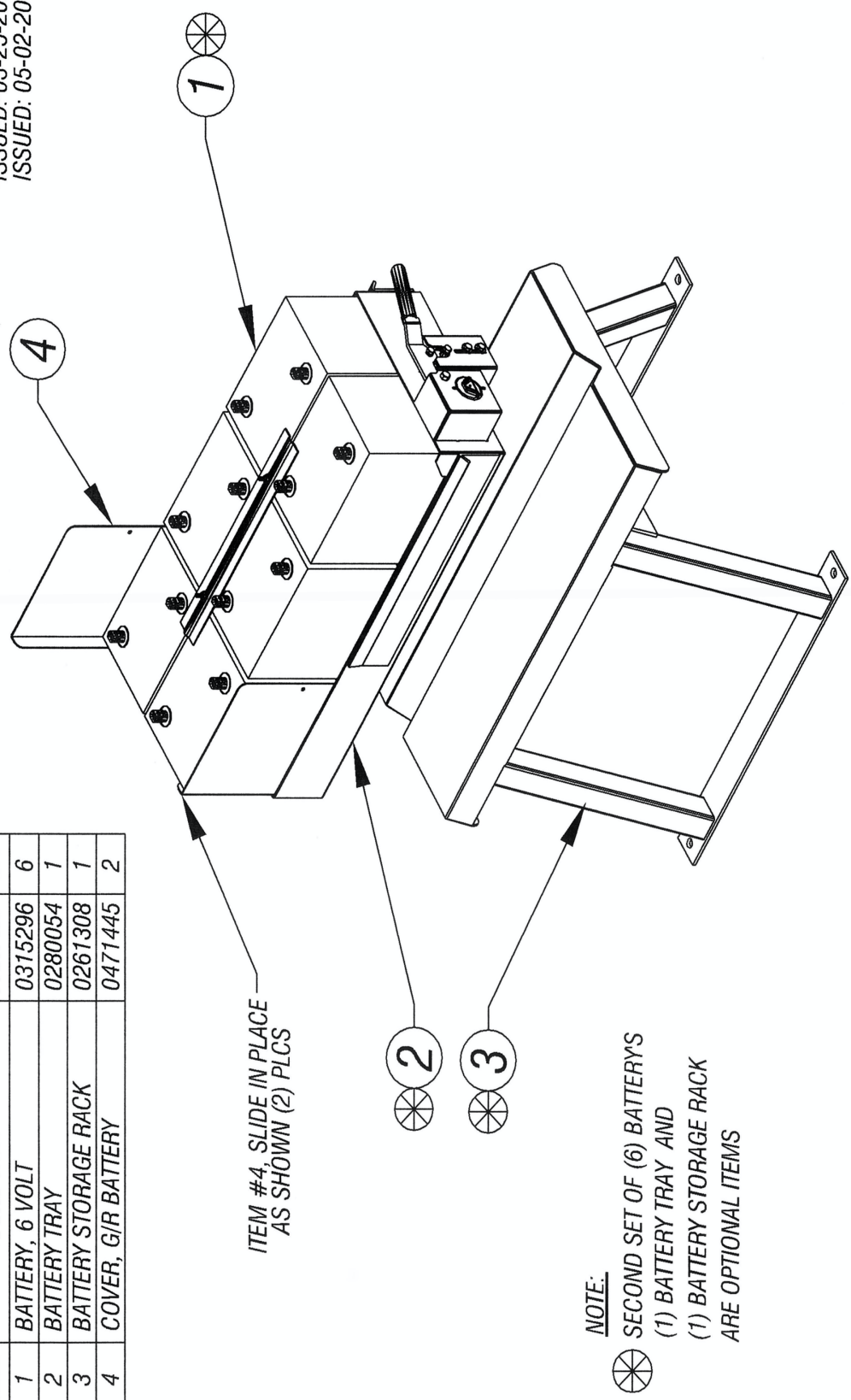


ELECTRIC GREENS ROLLER QC - DWG #8



ISSUED: 03-25-2009  
 ISSUED: 05-02-2012

ITEM	DESCRIPTION	PART NO	QTY
1	BATTERY, 6 VOLT	0315296	6
2	BATTERY TRAY	0280054	1
3	BATTERY STORAGE RACK	0261308	1
4	COVER, G/R BATTERY	0471445	2



OPTIONAL ITEMS  
 ELECTRIC GREENS ROLLER QC - DWG #9

ITEM	DESCRIPTION	PART NO	QTY
1	TUBE, MAIN FRAME TOWER	0267514	1
2	ROD, THREADED - 1/2-13 x 17 1/2 LG	STOCK	2
3	WASHER, FLAT	0353020	2
4	NUT, HEX, 1/2-13	0338005	2
5	HANDLE, BATTERY TRAY REMOVAL	0223144	1
6	HANDLE, BATTERY CART JACK (MODIFD)	0423148	1
7	SPRING, EXTENSION	0350033	1
8	BLOCK, BATTERY REMOVAL ARM WEAR	0485041	4
9	"I" HANDLE, BATTERY BOX JACK	0223145	1
10	BASE, CASTER MOUNTED BATTERY CART	0284110	1

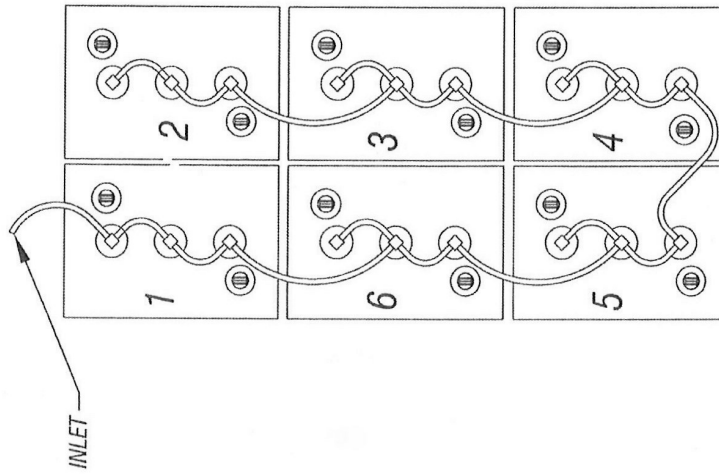
ITEM	DESCRIPTION	PART NO	QTY
11	THREADED STEM CASTER (SWIVEL)	0354118	2
12	HYDRAULIC JACK (6 TON CAPACITY)	0369051	1
13	PLATE, BATTERY LIFT JACK	0262817	1
14	GUIDE, BATTERY LIFT ARM	0422194	4
15	ARM, BATTERY TRAY REMOVAL	0265115	1
16	AXLE, BATTERY JACK CASTER	0202108	1
17	WHEEL, PHENOLIC	0354119	2
18	SET COLLAR	0311005	1
19	BRACKET, BATTERY LIFT JACK	0206987	1

OPTION #0169050 - JACK, BATTERY TRAY REMOVAL  
ELECTRIC GREENS ROLLER QC - DWG #10

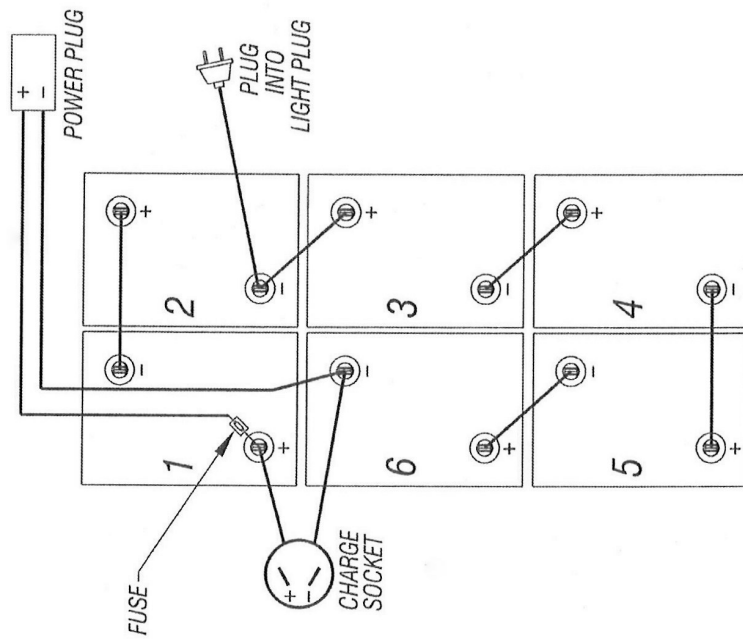
ISSUED: 03-23-2010

## BATTERY FILL SYSTEM

P/N 0315378 - FLEXIBLE MANIFOLD (RUBBER TUBING & CAPS)



## BATTERY CABLES



BATTERY CABLES HOOK-UP & BATTERY FILL SYSTEM  
ELECTRIC GREENS ROLLER QC - DWG #11

**Revised 4/23/2010**

REVISIONS	
REV	DESCRIPTION

ISSUED: 09-16-2009  
 RE-ISSUED: 08-16-2010

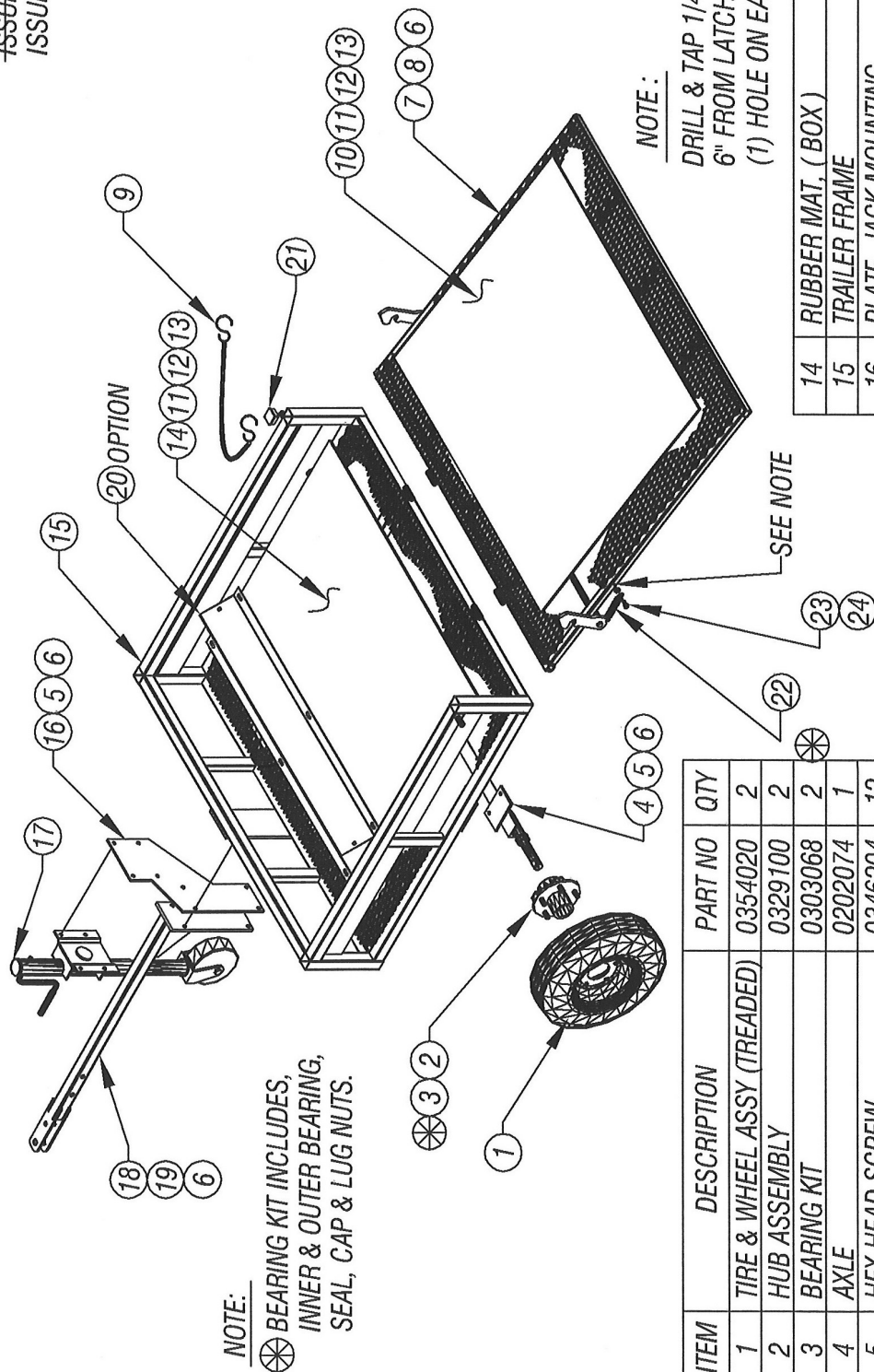
ITEM	DESCRIPTION	PART NO	QTY
1	KIT- ATTACHMENT FRAME, LEFT	0161237	1
2	KIT- ATTACHMENT FRAME, RIGHT	0161238	1
3	SHAFT, TOURNAMENT ROLL	0248229	1
4	AIR SPIKE ASSEMBLY	0161225	1
5	BRUSH ASSEMBLY	0161041	1
6	BRUSHES	0336060	2
7	FRAME, BRUSH KIT	0228067	1
8	SHAFT, C.R.S. ROD-1"DIAx39"LG	0448226	1
9	WASHER, FLAT USS - 1" ID	0353150	2
10	BLADE, AIR SPIKE	0405113	32
11	SPACER, AIR SPIKE BLADES	0449207	64

ITEM	DESCRIPTION	PART NO	QTY
12	BEARING, ROD END	0303019	2
13	ROD, ARM LIFTING	0245158	1
14	BRKT, LIFTING ARM SWIVEL	0206783	1
15	ARM, TOUNAM'T ROLL & SPIKE	0265102	1
16	BEARING, 2-BOLT FLANGE	0303006	2
17	BRKT, TRMT ROLL&SPIKE- RIGHT	0406710	1
18	LEVER, RIGHT	0433179	1
19	BRKT, TRMT ROLL&SPIKE- LEFT	0406801	1
20	LEVER, LEFT	0433176	1

NOTE: THIS ASSY IS ON THE LEFT HAND SIDE SITTING ON THE ROLLER

TOURNAMENT OPTION KITS  
ELECTRIC GREENS ROLLER - DWG #12



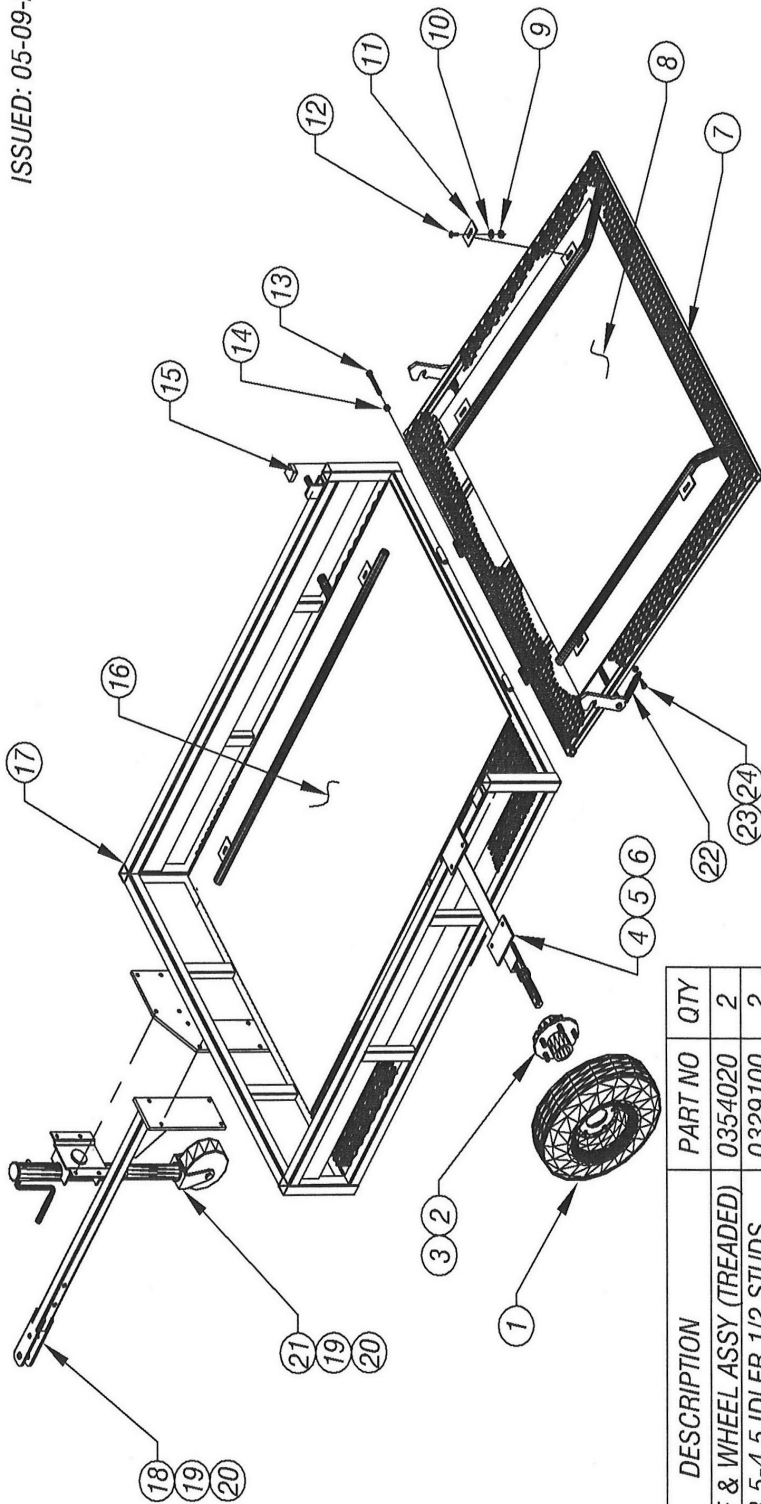


ITEM	DESCRIPTION	PART NO	QTY
1	TIRE & WHEEL ASSY (TREADED)	0354020	2
2	HUB ASSEMBLY	0329100	2
3	BEARING KIT	0303068	2
4	AXLE	0202074	1
5	HEX HEAD SCREW	0346204	12
6	LOCK NUT	0338102	18
7	TAIL GATE	0219371	1
8	HEX SCREW	0346217	2
9	BUNGEE CORD	0308013	1
10	RUBBER MAT, ( TAILGATE )	0356043	1
11	CARRIAGE BOLT	0346129	8
12	LOCK WASHER	0353002	8
13	HEX NUT	0338002	8

14	RUBBER MAT, ( BOX )	0356040	1
15	TRAILER FRAME	0219313	1
16	PLATE, JACK MOUNTING	0462410	1
17	JACK, SWIVEL- WITH CASTER	0369047	1
18	TONGUE	0225011	1
19	HEX HEAD SCREW	0346205	4
20	STOP, ROLLER MOVEMENT	0482066	1
21	CAP (PLASTIC)	0371001	4
22	SPRING, EXTENSION	0350009	2
23	BOLT, HEX HD -1/4 -20x1 1/4 LG	0346072	2
24	JAM NUT - 1/4 - 20	0338039	2

TRANSPORT TRAILER ASSY  
0009076

ELECTRIC GREENS ROLLER QC  
DWG #13



ITEM	DESCRIPTION	PART NO	QTY
1	TIRE & WHEEL ASSY (TREADED)	0354020	2
2	HUB 5-4.5 IDLER 1/2 STUDS	0329100	2
3	5 LUG KIT & NUTS	0303068	2
4	AXLE	0202110	1
5	HEX HEAD SCREW	0346204	12
6	LOCK NUT	0338102	12
7	TAIL GATE	0219492	1
8	RUBBER MAT, (TAILGATE) 43x48	0356043	1
9	LOCK NUT, (NYLON INSERT)	0338101	12
10	FLAT WASHER	0353101	12
11	PLATE, HOLD DOWN GUIDES	0462585	8
12	CARRIAGE BOLT	0346130	12
13	HFX SCRFW	0346217	2

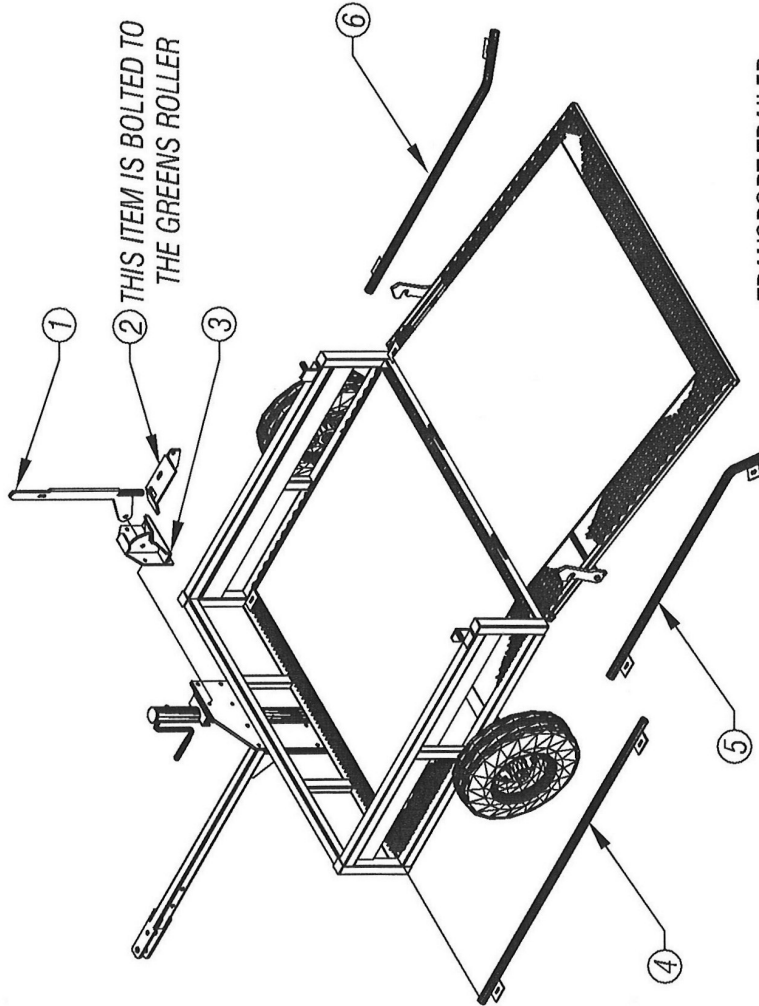
14	HEX NUT	0338012	2
15	CAP (PLASTIC)	0371001	4
16	RUBBER MAT, (TRAILER) 43x61	0356040	1
17	TRAILER FRAME	0219447	1
18	TONGUE	0225011	1
19	HEX HEAD SCREW	0346204	8
20	LOCK NUT, (NYLON INSERT)	0338102	8
21	JACK, SWIVEL- WITH CASTER	0369047	1
22	SPRING, EXTENSION	0350009	2
23	BOLT, HEX HD -1/4 -20x1 1/4 LG	0346072	2
24	JAM NUT - 1/4 - 20	0338039	2

0009076 TRAILER ASSY  
FOR  
QC ELECTRIC GREENS ROLLER

ELECTRIC GREENS ROLLER  
DWG #17

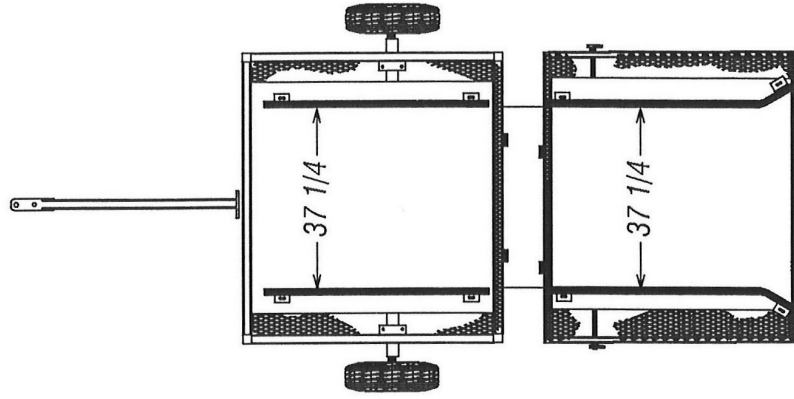
LATCH & LOCK

ITEM	DESCRIPTION	PART NO	QTY
1	LEVER, TRANSPORT LATCH	0233224	1
2	PLATE, TRANSPORT LATCH	0462583	1
3	LATCH, TRANSPORT	0233226	1



TRANSPORT TRAILER  
FOR  
QC ELECTRIC GREENS ROLLER

LOAD & GO			
ITEM	DESCRIPTION	PART NO	QTY
4	GUIDE, TRAILER ROLL	0222171	2
5	GUIDE, TAILGATE ROLL - LEFT	0222172	1
6	GUIDE, TAILGATE ROLL - RIGHT	0222173	1



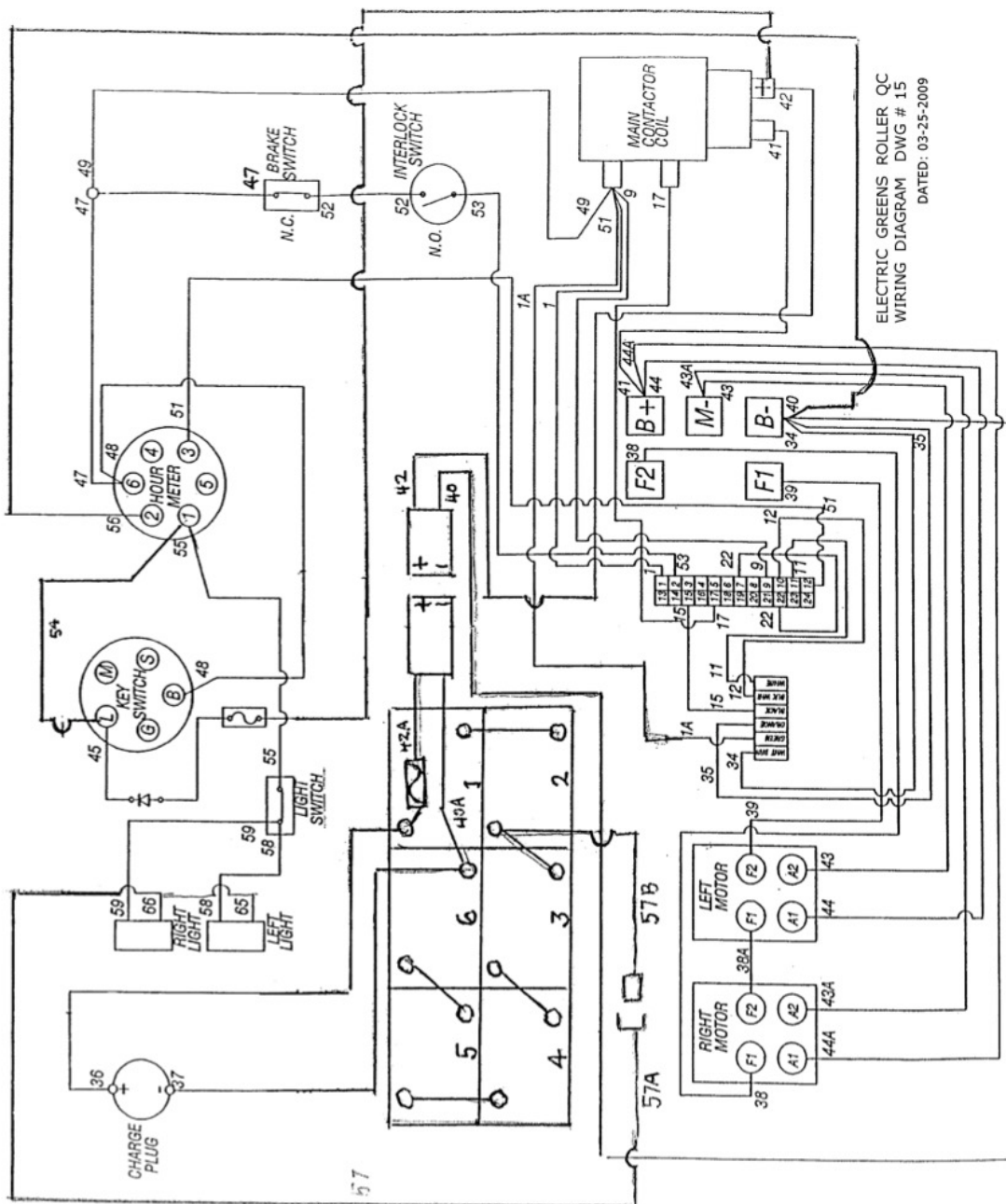
TOP VIEW  
LOCATION OF  
ROLLER GUIDES

ELECTRIC GREENS ROLLER  
DWG #18

DATED: 03-25-2009

ITEM	LOCATION	COLOR	GA.	LG.	TERMINALS
44	CONT. (B+) TO MOTOR (L) A1	RED	4	61	5/16" T/L - E/E
44A	CONT. (B+) TO MOTOR (R) A1	RED	4	43	5/16" T/L - E/E
43	CONT. (M-) TO MOTOR (L) A2	BLK	4	59	5/16" T/L - E/E
43A	CONT. (M-) TO MOTOR (R) A2	BLK	4	41	5/16" T/L - E/E
41	MCC TO CONT. (B+)	RED	4	17	5/16" T/L - 3/8" T/L
42	MCC TO BATT POWER PLUG	RED	4	40 1/2	3/8" T/L - O/E
40	CONT. (B-) TO POWER PLUG (-)	BLK	4	46	5/16" T/L - O/E
40A	POWER PLUG TO BATTERY #6 (-)	BLK	4	25	Q.D. LUG - 5/16 T/L
42A	POWER PLUG TO BATTERY #1 (+)	RED	4	20	Q.D. LUG - 5/16 T/L
60	BATTERY #1(-) TO BATTERY #2 (+)	RED	4	6 1/2	5/16" T/L - E/E
61	BATTERY #2(-) TO BATTERY #3 (+)	RED	4	6	5/16" T/L - E/E
62	BATTERY #3(-) TO BATTERY #4 (+)	RED	4	6	5/16" T/L - E/E
63	BATTERY #4(-) TO BATTERY #5 (+)	RED	4	6 1/2	5/16" T/L - E/E
64	BATTERY #5(-) TO BATTERY #6 (+)	RED	4	6	5/16" T/L - E/E
38	CONT. (F2) TO MOTOR (R) (F1)	RED	10	43	1/4" R/T - E/E
38A	MOTOR (R) (F2) TO MOTOR (L) (F1)	RED	10	40	1/4" R/T - E/E
39	CONT. (F1) TO MOTOR (L) (F2)	BLK	10	55	1/4" R/T - E/E
36	CHG. PLUG TO POWER FUSE	RED	10	18 1/2	B/S - #10 R/T
37	CHG. PLUG TO BATT. #6 (-)	BLK	10	26	B/S - #10 R/T
34	6 PIN WHT/BRN TO CONT. (B-)	WHT	20	74	9 PIN - 5/16" R/T
35	6 PIN ORANGE TO CONT. (B-)	WHT	20	74	9 PIN - 5/16" R/T
65	BATTERY B/S#57 (-) TO LIGHT (L) (-)	BLK	14	41	5/16" R/T - O/E
66	BATTERY B/S#57 (-) TO LIGHT (R) (-)	BLK	14	6 1/2	5/16" R/T - O/E
57	QUICK DISCONNECT TO B/S #'S 65 & 66	BLK	12	71	1/4 Q.D.x B/S
57A	#57 QUICK DISCONNECT	BLK	10	12	3 PR SOCKET x Q.D.
57B	#57A SOCKET TO BATT#2 (12V-)	BLK	10	36	3 PR PLUG x 5/16 R/T
45	(FUSE & DIODE IN LINE) K/S (L) TO MCC+	RED	14	3 1/2	1/4" F/S - 3/8" R/T
15	6 PIN BLK TO 24 PIN (#15)	WHT	20	65 1/2	9 PIN - MOLEX
11	6 PIN WHT TO 24 PIN (#11)	WHT	20	65 1/2	9 PIN - MOLEX
12	6 PIN BLK/WHT TO 24 PIN (#10)	WHT	20	65 1/2	9 PIN - MOLEX
17	24 PIN (#17) TO MCC	WHT	20	15	MOLEX - 1/4" F/S
1	24 PIN (#1) TO MCC	WHT	20	17 1/2	MOLEX - 1/4" F/S
9	24 PIN (#9) TO MCC	WHT	20	17 1/2	MOLEX - 1/4" F/S
1A	6 PIN (GRN) TO MCC	WHT	20	68	9 PIN - 1/4" F/S
51	24-PIN #12 TO H/M #3	WHT	20	16	MOLEX-1/4" F/S
49	#47 B/S TO BRAKE SWITCH	RED	14	17	B/S - #8 R/T
47	H/M (#6) #48 MATE TO B/S TO BRK SW	RED	14	68	1/4" F/S - B/S
48	K/S B TO HM (#6) #47 MATE	RED	14	6	1/4" F/S - E/E
52	BRAKE SWITCH TO SEAT SWITCH	WHT	20	105	1/4" F/S - #8 R/T
53	24 PIN (#2) TO SEAT SWITCH	WHT	20	53 1/2	MOLEX - 1/4" F/S
54	H/M (#1) TO K/S (L) #45MATE	RED	14	5	1/4" F/S - 1/4" F/S
55	LIGHT SWITCH TO H/M (#1) #54 MATE	RED	14	7	#8 R/T - 1/4" F/S
58	LIGHT SWITCH TO LIGHT (L)(+)	RED	14	52	#8 R/T - O/E
59	LIGHT SWITCH TO LIGHT (R) (+)	RED	14	36	#8 R/T - O/E
56	H/M (#2) TO CONTROLLER (B-)	BLK	14	24	1/4" F/S - 5/16" R/T
22	24 PIN LOOP (#7) TO (#22) LOOP	WHT	20	3 1/2	MOLEX - MOLEX

0315387 REVISIONS PER J FUSCO 12MAR09



ELECTRIC GREENS ROLLER QC  
WIRING DIAGRAM DWG # 15  
DATED: 03-25-2009

## LED DIAGNOSTICS

A Status LED is built into the 1244 controller. It is visible through a window in the label on top of the controller. This Status LED displays fault codes when there is a problem with the controller or with the inputs to the controller. During normal operation, with no faults present, the Status LED flashes steadily on and off. If the controller detects a fault, a 2-digit fault identification code is flashed continuously until the fault is corrected. For example, code “3,2”—welded main contactor—appears as:

□ □ □ □ □	□ □ □ □ □	□ □ □ □ □
( 3 , 2 )	( 3 , 2 )	( 3 , 2 )

The codes are listed in Table 6.

Table 6 STATUS LED FAULT CODES		
LED CODES		EXPLANATION
<i>LED off</i>	████████	no power or defective controller
<i>solid on</i>	————	controller or microprocessor fault
0,1	■ □	controller operational; no faults
1,1	□ □	[not used]
1,2	□ □ □	hardware failsafe fault
1,3	□ □ □ □	M-, current sensor, or motor fault
1,4	□ □ □ □ □	[not used]
2,1	□ □ □	throttle fault
2,2	□ □ □ □	static return to off (SRO) fault
2,3	□ □ □ □ □	high pedal disable (HPD) fault
2,4	□ □ □ □ □ □	emergency reverse circuit check fault
3,1	□ □ □ □ □	contactor driver overcurrent
3,2	□ □ □ □ □ □	welded main contactor
3,3	□ □ □ □ □ □ □	precharge fault
3,4	□ □ □ □ □ □ □ □	missing contactor, or main cont. did not close
4,1	□ □ □ □ □ □	low battery voltage
4,2	□ □ □ □ □ □ □	overvoltage
4,3	□ □ □ □ □ □ □ □	thermal cutback, due to over/under temp.
4,4	□ □ □ □ □ □ □ □ □	anti-tiedown fault

NOTE: Only one fault is indicated at a time, and faults are not queued up. Refer to the troubleshooting chart (Table 5) for suggestions about possible causes of the various faults.

**Table 5 TROUBLESHOOTING CHART**

LED CODE	PROGRAMMER LCD DISPLAY	FAULT CATEGORY	EXPLANATION	POSSIBLE CAUSE
1,2	HW FAILSAFE 1 - 2 - 3	1	self-test or watchdog fault	1. Controller defective.
1,3	M- SHORTED	1	internal M- short to B-	1. Controller defective.
	FIELD OPEN	1	field winding fault	1. Motor field wiring loose. 2. Motor field winding open.
	ARM SENSOR	1	armature current sensor fault	1. Controller defective.
	FLD SENSOR	1	field current sensor fault	1. Controller defective.
2,1	THROTTLE FAULT 1	1	wiper signal out of range	1. Throttle input wire open. 2. Throttle input wire shorted to B+ or B-.
	THROTTLE FAULT 2	1	pot low fault	1. Throttle pot defective. 2. Wrong throttle type selected.
2,2	SRO	3	SRO fault	1. Improper sequence of KSI, interlock, and direction inputs. 2. Wrong SRO type selected. 3. Interlock or direction switch circuit open. 4. Sequencing delay too short.
2,3	HPD	3	HPD fault	1. Improper seq. of direction and throttle inputs. 2. Wrong HPD type selected. 3. Misadjusted throttle pot. 4. Sequencing delay too short.
2,4	BB WIRING CHECK	1	emergency reverse wiring fault	1. Emergency reverse wire open. 2. Emergency reverse check wire open.
3,1	CONT DRVR OC	1	cont. driver output overcurrent	1. Contactor coil shorted.
3,2	MAIN CONT WELDED	1	welded main contactor	1. Main contactor stuck closed. 2. Main contactor driver shorted.
3,3	PRECHARGE FAULT	1	internal voltage too low at startup	1. Controller defective. 2. External short, or leakage path to B- on external B+ connection.
3,4	MISSING CONTACTOR	1	missing contactor	1. Any contactor coil open or not connected.
	MAIN CONT DNC	1	main contactor did not close	1. Main contactor missing or wire to coil open.
4,1	LOW BATTERY VOLTAGE	2	low battery voltage	1. Battery voltage <undervoltage cutback limit. 2. Corroded battery terminal. 3. Loose battery or controller terminal.
4,2	OVERVOLTAGE	2	overvoltage	1. Battery voltage >overvoltage shutdown limit. 2. Vehicle operating with charger attached. 3. Battery disconnected during regen braking.
4,3	THERMAL CUTBACK	2	over-/under-temp. cutback	1. Temperature >85°C or < -25°C. 2. Excessive load on vehicle. 3. Improper mounting of controller. 4. Operation in extreme environments.
4,4	ANTI - TIEDOWN	3	Mode 2 or Mode 4 selected at startup	1. Mode switches shorted to B+. 2. Mode switches "tied down" to select Mode 2 or Mode 4 permanently.

## FAULT OUTPUT DRIVERS

The 1244 controller provides two fault output drivers designed for use with a display to provide fault information to the operator. The fault output drivers, Fault 1 (Pin 5) and Fault 2 (Pin 6), are open collector drivers rated at 10 mA maximum current at the nominal battery voltage. They are intended to drive display LEDs but can be used to drive anything that operates within the drivers' limits. These outputs can be configured to display faults in Fault Code format or Fault Category format—see *Section 3, page 42*.

In Fault Code format, the two fault outputs operate independently. The Fault 1 line flashes the same codes, at the same time, as the controller's built-in Status LED (see Table 6). This line can therefore be used to drive an LED located on the display panel in order to provide fault code information directly to the operator. The Fault 2 line pulls to ground (B-) when a fault is present; it can be used to drive a remote LED that simply indicates whether or not there is a fault. When no faults are present, both of the fault lines are in their normal state (high).

In Fault Category format, the two fault outputs together define one of four fault categories, as listed in Table 7. When a fault occurs, the Fault 1 and Fault 2 lines (Pins 5 and 6) go to the state indicating the category of the particular fault: **LOW/HIGH**, **HIGH/LOW**, or **LOW/LOW**. When the fault is cleared, the fault outputs return to their normal state (i.e., HIGH/HIGH).

Table 7 FAULT CATEGORY CODES			
FAULT 1 DRIVER	FAULT 2 DRIVER	FAULT CATEGORY	POSSIBLE FAULT
HIGH	HIGH	0	(no known faults)
<b>LOW</b>	HIGH	1	Hardware failsafe fault M-, current sensor, or motor fault Throttle fault Emergency reverse wiring fault Contactor or output driver fault Precharge fault
HIGH	<b>LOW</b>	2	Low battery voltage Overvoltage Thermal cutback, due to over/under temp
<b>LOW</b>	<b>LOW</b>	3	Static return to off (SRO) fault High pedal disable (HPD) fault Anti-tiedown fault



## MAINTENANCE

There are no user serviceable parts in the Curtis PMC 1244 controller. **No attempt should be made to open, repair, or otherwise modify the controller.** Doing so may damage the controller and will void the warranty.

It is recommended that the controller be kept **clean and dry** that its diagnostics history file be checked and cleared periodically.

### CLEANING

Periodically cleaning the controller exterior will help protect it against corrosion and possible electrical control problems created by dirt, grime, and chemicals that are part of the operating environment and that normally exist in battery powered systems.



**When working around any battery powered vehicle, proper safety precautions should be taken.** These include, but are not limited to: proper training, wearing eye protection, and avoiding loose clothing and jewelry.

Use the following cleaning procedure for routine maintenance. Never use a high pressure washer to clean the controller.

1. Remove power by disconnecting the battery.
2. Discharge the capacitors in the controller by connecting a load (such as a contactor coil or a horn) across the controller's B+ and B- terminals.
3. Remove any dirt or corrosion from the power and signal connector areas. The controller should be wiped clean with a moist rag. Dry it before reconnecting the battery.
4. Make sure the connections are tight. Refer to Section 2, page 7, for maximum tightening torque specifications for the battery and motor connections.

### DIAGNOSTIC HISTORY

The handheld programmer can be used to access the controller's diagnostic history file. Connect the programmer, press the **[MORE INFO]** key, and then—while continuing to hold the **[MORE INFO]** key—press the **[DIAGNOSTICS]** key. The programmer will read out all the faults that the controller has experienced since the last time the diagnostic history file was cleared. The faults may be intermittent faults, faults caused by loose wires, or faults caused by operator errors. Faults such as contactor faults may be the result of loose wires; contactor wiring should be carefully checked. Faults such as HPD or overtemperature may be caused by operator habits or by overloading.

After a problem has been diagnosed and corrected, it is a good idea to clear the diagnostic history file. This allows the controller to accumulate a new file of faults. By checking the new diagnostic history file at a later date, you can readily determine whether the problem was indeed fixed.

To clear the diagnostic history file, go to the Special Program Menu by pressing and holding the **[MORE INFO]** key, and then pressing the **[PROGRAM]** key. Scroll through the menu until "Clear Diagnostic History" is the top line in the display, and then press **[MORE INFO]** again. The programmer will prompt you to acknowledge or cancel. See Section 7 of this manual for more detail on programmer operation.

### **How to install Electric Motor, Gearbox, and Final Drive**

These instructions must be followed EXACTLY. USE LOC-TITE, Blue

- 1) Install the flange bearings to the roller frame. The flanges should be to the outside of the frame and the bearings should have the exocentric collars towards the outside of the frame also. Install the bolts so they will hold the bearings in place but the bearings will slide if needed.
- 2) Slide the drive shaft through the bearings, installing the sprocket and key.
- 3) Install the shaft keepers outside the flanges at this time keeping the locking bolts loose and not touching anything.
- 4) Set the gearbox on the gearbox-mounting pad.
- 5) Install the four bolts and only tighten to a snug fit. You must be able to slide the box by hand and it must sit flat on the mounting pad.
- 6) Now slide the drive shaft so the end of the drive shaft and the output shaft of the gear box touch. Line up the keyways.
- 7) Install a full key and a split shaft collar over both shafts keeping the ends of both shafts touching and in the center of the shaft collar.
- 8) Tighten this split collar watching the bearings and flanges; they should not be forced left or right but may move up or down within the slots. Move the gearbox if needed to keep the bearings and flanges in a free state.
- 9) Next tighten the flanges watching that the bearings don't move in any direction.
- 10) Now tighten the four gearbox mounting bolts.
- 11) At this time, turn the lock bolts on the shaft keeper so they touch the lock pad. Tighten the jam nuts so as to hold the shaft keeper and bearing in place.
- 12) Set the exocentric collars and tighten the setscrews. With a punch, turn the exocentric collar in a clockwise direction, and then tighten the setscrew.
- 13) Set the sprocket the same distance from the inside wall of the roller frame as the roller sprocket. Tighten the setscrews and shaft collars on both sides of the sprocket.
- 14) The Electric motor comes with a plastic bushing over the shaft. Check the key between the plastic bushing and the motor shaft. It is very important the key is as long as the slot.
- 15) Some motors have a spacer between the motor and gearbox; it must be installed if it was there when disassembled.
- 16) Install the chain between the drive shaft and the roller. This chain should be installed with as little slack as possible. Avoid the use of ½ links.
- 17) Install the idler-adjusting sprocket. Shim the idler sprocket so it fits in the center of the chain, as closely as possible.

Below is a quick reference chart for various “Flat Head Cap Screws” and the torque recommendations.

**VALUES ARE STATED IN FOOT POUNDS**

BOLT SIZE	Thds Per Inch	SAE Grade 5	SAE Grade 8
1/4	20	10	14
	28	---	---
5/16	18	19	29
	24	---	---
3/8	16	33	47
	24	---	---
7/16	14	54	78
	20	---	---
1/2	13	78	119
	20	---	---
9/16	12	114	169
	18	---	---
5/8	11	154	230
	11	---	---
3/4	10	257	380
	10	---	---
7/8	9	382	600
	9	---	---
1	8	587	700
	8	---	---

## **WARRANTY POLICY**

***Please remember to complete and return your Warranty Card and Dealer Delivery Report. Warranty Claims will not be considered if the Warranty Card and Dealer Delivery Report have not been returned to Salsco.***

Your Salsco Commercial or Turf Equipment product is a commercial type product and is normally manufactured and sold for commercial or industrial use. **Salsco will, for the original purchaser, for (5) years from the date of purchase (90 days if used for rental purposes) repair or replace, free of charge, any part or parts found to be defective in material, workmanship or both.** Any transportation or shipping charges will be borne by the purchaser. If, during the warranty period stated above, the product does not function properly due to defect, simply contact Salsco and follow the Warranty Procedures included in this manual.

This warranty **does not** include:

- Incidental or consequential damages and is exclusive of any implied warranties.
- Normal maintenance parts, including, but not limited to hoses, chains, belts, filters, lubricants, etc.
- Parts or components, which are covered under the original manufacturer warranty, including, but not limited to engines, pumps, and motors.

## **WARRANTY PROCEDURE**

In order for Salsco to consider your warranty claims in a timely manner you must follow the simple procedures listed below:

### **MACHINE OR PART FAILURE**

- a) Call our service department for helpful instruction on how to correct or repair the problem. Preventive maintenance will also be suggested.
- b) When ordering parts for Warranty issues, you MUST retain possession of the old parts in question until notified with respect to returning the parts to Salsco or other disposition.
- c) Warranty Claims MUST be filed within 30-days from completion of the work performed. Contact our office for an electronic warranty claim form.
- d) Fill in all information requested on warranty claim form, a copy of which is included in this manual, (date of purchase, company name, address, etc.). List all parts used. Make sure part numbers are correct. You can obtain these from your manual. (include good description of problem; i.e. "leaking from spool" rather than "leaking").
- e) It is our goal to consider and reach a disposition on each Warranty Claim within 30-days from the date that it is received. Therefore it is important that you respond promptly to any request for further information. Claims with no response to inquiries will be closed as **"denied for lack of response"** 90-days from the date of request.
- f) Email, Fax or Send Warranty Claim form to our Warranty Department. – **Warranty on parts most often requires return of the parts that were replaced. DO NOT DISCARD OLD PARTS UNTIL YOU HAVE RECEIVED A DETERMINATION AS TO WHETHER THESE PARTS MUST BE RETURNED.**
- g) Our Warranty Department will contact and instruct you on how to return the Parts to Salsco on an RA #. Returns MUST be made within 30-Days from issuance of RA #. **FREIGHT CHARGES ON RETURN OF PARTS IS THE RESPONSIBILITY OF THE CUSTOMER.** Normal pre-delivery adjustments are not covered under warranty. Labor Warranties are based on reasonable time allowances as determined by Salsco, Inc. and paid at 75% of posted labor rate. **TRAVEL TIME IS NOT REIMBURSED UNDER THE WARRANTY POLICY.**
- h) Be sure to put the RA form inside the box that you are shipping back, also be sure to put on the outside of the box "Return of Goods" and the RA #.
- i) Ship returns via a traceable method such as UPS Ground Service. Be sure that the shipment is insured for the appropriate value. If uninsured parts are lost, we cannot issue a credit.

**PLEASE NOTE:** ***Warranty forms should be filled out completely.***

**PREVENTIVE MAINTENANCE IS YOUR BEST INSURANCE AGAINST EQUIPMENT FAILURE. BE SURE TO READ THIS MANUAL, ESPECIALLY THE MAINTENANCE, OPERATING AND CAUTION SECTIONS.**

**SALSCO, INC., 105 Schoolhouse Rd.  
Cheshire, CT 06410**

**TOLL FREE: 800-872-5726, 203-271-1682, FAX: 203-271-2596 EMAIL: [sales@salsco.com](mailto:sales@salsco.com), [www.salsco.com](http://www.salsco.com)**

## SALSCO WARRANTY CLAIM FORM

<b>SALSCO, INC.</b> <b>105 SCHOOLHOUSE RD.</b> <b>CHESHIRE, CT 06410</b>		<b>PHONE: 203-271-1682, 800-872-5726</b> <b>FAX: 203-271-2596</b> <b>EMAIL: f.carrington@salsco.com</b> <b>WEB: www.salsco.com</b>
END OWNER		PHONE:
NAME:		FAX:
EMAIL:		
ADDRESS:		
PURCHASED FROM:		PHONE:
NAME:		FAX:
EMAIL:		
ADDRESS:		
EQUIP/WARRANTY INFO: (MUST BE COMPLETE)		
PURCHASE DATE:	INV #:	DATE FAILED:
MODEL #:	SERIAL #	REPAIR DATE:
HRS USED:		
WARRANTY CLAIM/WORK ORDER #		
WAS A SALSCO RETURN AUTH. # ISSUED FOR REPAIRS OR RETURN OF PARTS:    YES    NO		
IF YES, RA #:		
PROBABLE CAUSE OF FAILURE:		

## SALSCO WARRANTY CLAIM FORM - Continued

WORK PERFORMED/COMMENTS ON REPAIR:				
SHOP LABOR RATE:		SUBMITTED BY:		
TOTAL LABOR HRS TO REPAIR:		PRINTED NAME:		
SALSCO PART #: DESCRIPTION:	QTY	PRICE EACH	TOTAL	INVOICE #:
<p>FILL IN ALL INFORMATION REQUESTED ON WARRANTY CLAIM FORM. <b>INCOMPLETE FORMS CANNOT BE PROCESSED &amp; WILL BE RETURNED.</b> LIST ALL PARTS USED. MAKE SURE PART NUMBERS ARE CORRECT. ANY PARTS THAT YOU BELIEVE TO BE DEFECTIVE OR ANY PARTS THAT BREAK SHOULD BE RETAINED FOR POSSIBLE INSPECTION UNTIL AFTER THE WARRANTY HAS BEEN PAID OR PART HAS BEEN RETURNED. <b>INV. # NEEDS TO BE INCLUDED ON WARRANTY CLAIM.</b></p>				
<b>OFFICE USE ONLY</b>				
DATE REC'D:		DLR. DEL REPORT ON FILE:      YES      NO		
CUST ID:		WARRANTY CLAIM ON FILE:      YES      NO		
SALSCO WC:		PARTS TOTAL:		
SALSCO RA:		LABOR TOTAL:		
DATE APPROVED:		TOTAL APPROVED:		
DATE REJECTED:		REJECTED DATE:		
PROCESSED BY:		REASON:		

SERIAL # _____	MODEL NO. _____
<b>SALSCO LIMITED WARRANTY CARD</b>	
1. DATE PURCHASED: _____	
2. PURCHASER: _____	
3. PURCHASER ADDRESS: _____ _____	
4. EMAIL ADDRESS: _____	
5. DEALER: _____	
6. DEALER ADDRESS: _____	
7. WILL THIS EQUIPMENT BE USED COMMERCIALY? <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>	
8. DID DEALER SERVICE THIS EQUIPMENT AND INSTRUCT YOU IN ITS CARE AND SAFE OPERATION ? <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>	
9. DID YOU RECEIVE AN "OPERATION & SERVICE MANUAL" AND SAFETY PAMPHLET? <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>	
<b>NOTICE</b> IMPORTANT: THIS CARD MUST BE FILLED OUT COMPLETELY AND MAILED TO THE FACTORY WITHIN 10 DAYS OF PURCHASE DATE, OR YOUR LIMITED WARRANTY WILL BE VOIDED.	SIGNED _____ Purchaser
<b>WHITE - DEALER</b>	<b>YELLOW - OWNER</b>
<b>CARD - FACTORY</b>	

SALESMAN ID # \_\_\_\_\_ SALES MANAGER'S NAME \_\_\_\_\_

<b>Salsco, Inc.</b>		105 School House Rd. Cheshire, CT 06410 203-271-1682		sales@salsco.com www.salsco.com
800-872-5726 203-271-2596 (Fax)				
<b>DEALER DELIVERY REPORT</b>				
MODEL _____		SERIAL NO _____		
DEALER _____	CITY _____	STATE _____	ZIP _____	
PURCHASER (Last Name or Company) _____	(First Name) _____	(Middle Name) _____	ADDRESS _____	CITY _____ STATE _____ ZIP _____
<p>The undersigned dealer warrants that the above-described machine was carefully inspected, adjusted and prepared for delivery before delivery to the purchaser; that both the operation and maintenance of the machine were explained to the purchaser; and that a copy of the Owner's Instruction Manual were given to the purchaser and his attention called to Our Warranty and any operating instructions included in the manual and caution notes.</p> <p>_____ Date Dealer</p> <p>_____ Sign By</p> <p>_____ Phone</p>		<p>The undersigned purchaser certifies that the operation and maintenance of the above-described machine have been explained to him; acknowledges receipt of a copy of the Owners's Instruction Manual and Our Warranty Policy printed in said Instruction Manual and Caution Notes. I also understand that it is my responsibility to explain and make Salsco manuals available to new operators.</p> <p>_____ Date Purchaser</p> <p>_____ Sign By</p> <p>_____ Phone</p> <p>_____ Email</p>		

FACTORY COPY WHITE - DEALER'S COPY YELLOW - OWNER'S COPY PINK

## SERVICE RECORD

If kept properly, this schedule will help track problems in the future.

[illegible]

MODEL # \_\_\_\_\_ S/N \_\_\_\_\_

DATE PURCHASED: \_\_\_\_\_