

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



MODEL HP11-III ROLLER Operators And Parts Manual



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**

Salsco, INC.
LEADER BY DESIGN

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

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GAS GREENS ROLLER, MODEL HP11-III, 09107

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STATEMENT OF FACT

You have just purchased the highest quality, most dependable, Gas 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!

SPECIFICATIONS & OPTIONS

WARRANTY:	5 - Year Limited Warranty
ENGINE:	13 HP Honda, electric start, rubber mounted to reduce vibration
FUEL TANK:	6 gallon CARB approved fuel tank
CONTROLS:	On/Off switch, choke & fuel
HOURLY METER:	Standard.
BATTERY:	12 Volt, 300 CCA, automotive type
ENGINE COOLING FAN:	Standard
SEAT:	Molded cushion with protective edge trim, neutral safety switch & forward/reverse slide adjustment.
STEERING SYSTEM:	All three roll housings articulate at different degrees of travel, which allows turning without bruising.
STEERING WHEEL:	13-1/4" diameter, automotive type, tilt steering wheel. Hydraulic.
MAIN FRAME:	2-1/2" x 2-1/2" x 1/8" steel square tube. Fully gusseted with continuous welds.
DRIVE ROLLS:	Three (3) oscillating steel rollers, driven for positive traction. One (1) - 10-3/4" diameter x 36" long, Two (2) - 10-3/4" diameter x 24" long with beveled ends. All rolls machined to within two thousandths of an inch concentricity guarantees a perfect roll.
TRACTION DRIVE:	Traction drive is accomplished by having all three rolls drive and float independently which allows for 100% roll to ground contact.
CLIMBING TRACTION:	Up to 40°
BRAKES:	Hydrostatic drive.
HYDRAULIC COMPONENTS:	One (1) heavy duty variable speed piston pump delivers oil to three (3) hydraulic motors that drive the rolls. Hoses: SAE JIC hose ends & fittings. 3,000 P.S.I. working, 12,000 P.S.I. burst. Motors: Three (3), one on each roll. Pump: One (1) Hydro-Gear 0.97 cubic inch displacement.
ROLLING SWATH:	73"
SPEED:	Variable, 0-11 MPH
GROUND PRESSURE:	7.0 P.S.I. without water, 9.2 P.S.I. with water
TRANSPORT TRAILER:	Dual lock latch split tailgate ramp with a full 1/4" thick traction mat on both the trailer box and tailgate with loading guides. Axle: Spindle type, with hub assemblies. Tire/wheel assemblies: Two (2) 18.5 x 8.5-8, 6 ply. Hitch: Farm type pin coupler, height adjustable. Jack: Bolt on, swivel jack stand with caster wheel.
TRANSPORT TRAILER OPTION:	Deflector Step helps prevent damage to the tires when the operator accidentally runs into an obstacle while towing the trailer
GUARDS/DECALS:	All moving parts guarded. Full set of safety decals.
PAINT:	Orange, polyester powder coat paint provides excellent outdoor weatherability and offers protection against ultraviolet discoloration. All parts painted separately.
ROLLER OPTIONS:	Rotary Brush System, Top Dressing Brush Kit, Light Kit, Arm Rest Seat
ROLLER WEIGHT:	1180 lbs.
TRAILER WEIGHT:	510 lbs.
Specifications & Options Subject with Change Without Notice - Rev. 9/28/2020	

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 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

SAFETY 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.
5. Allow engine to cool for several minutes before filling with fuel, since fuel tank is over the engine.

NOTE: HONDA ENGINES - ALWAYS TURN OFF THE FUEL SHUTOFF, WHEN THE ENGINE IS NOT RUNNING, i.e. WHEN IN TRANSPORT, STORAGE, ETC.

OPERATING INSTRUCTIONS

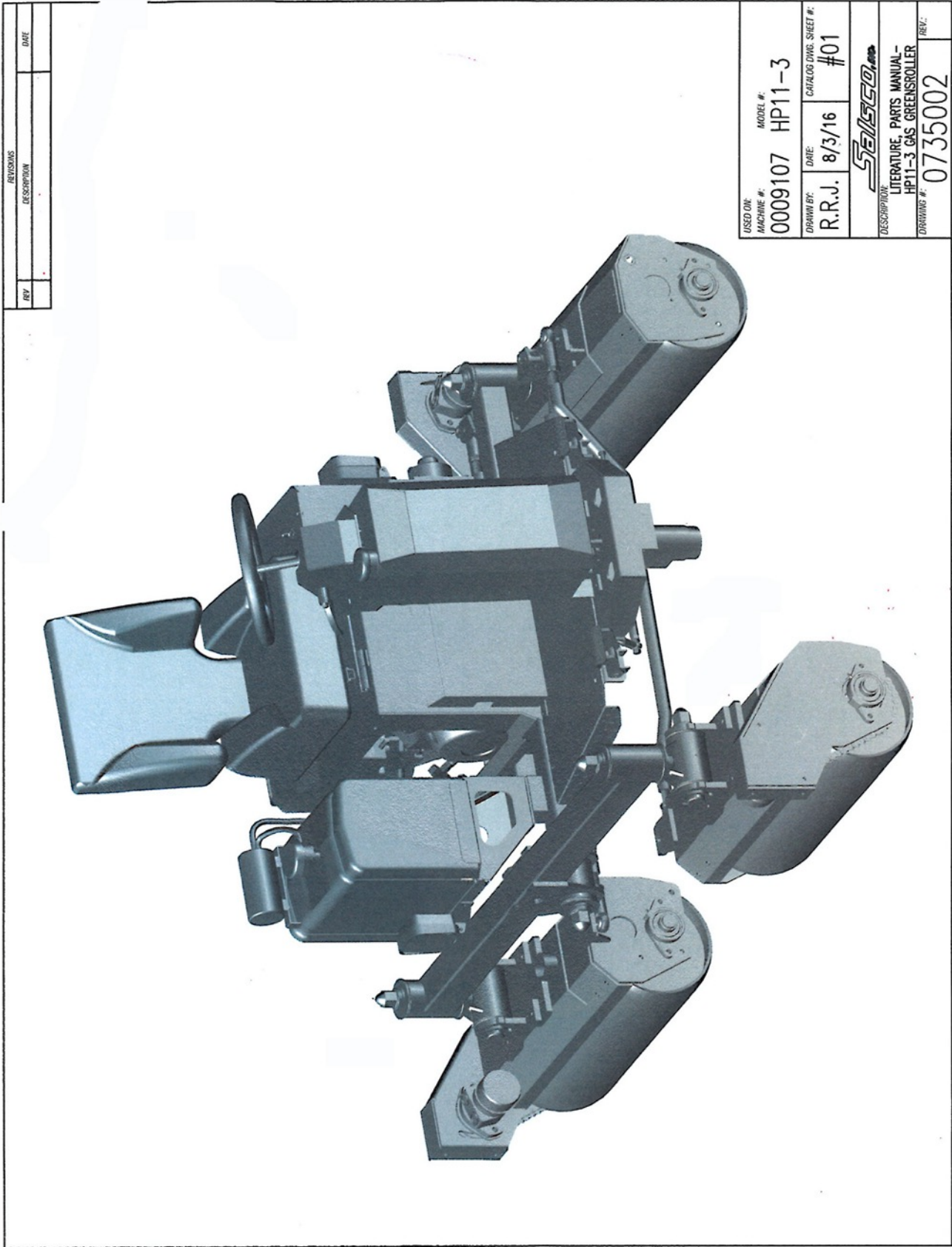
1. Check that the unit has been serviced and all fluids are checked and topped off.
2. Check all hydraulic hose fittings.
3. Push fuel shut off switch to on position.
4. Push choke to full on position
5. Push throttle to just above idle.
6. Turn on/off switch to on position.
7. You should start engine while seated. Just reach down to engine controls. Keep feet off pedals. Hydrostatic drive should come to neutral when engine starts.
8. Pull rope and the engine will start. Hydrostatic transmission should come to neutral when engine is started. REMEMBER: RIGHT PEDAL TO GO RIGHT, LEFT PEDAL TO GO LEFT.
9. Slide choke to full off position.
10. Once unit is running at just above idle, push pedal down slowly. Unit will begin to move. Drive it out of trailer on to grass area.
11. Since the unit is hydrostatic, engine should run at full R.P.M. and speed should be controlled by pressure on the pedal.

SERVICE & MAINTENANCE INSTRUCTIONS

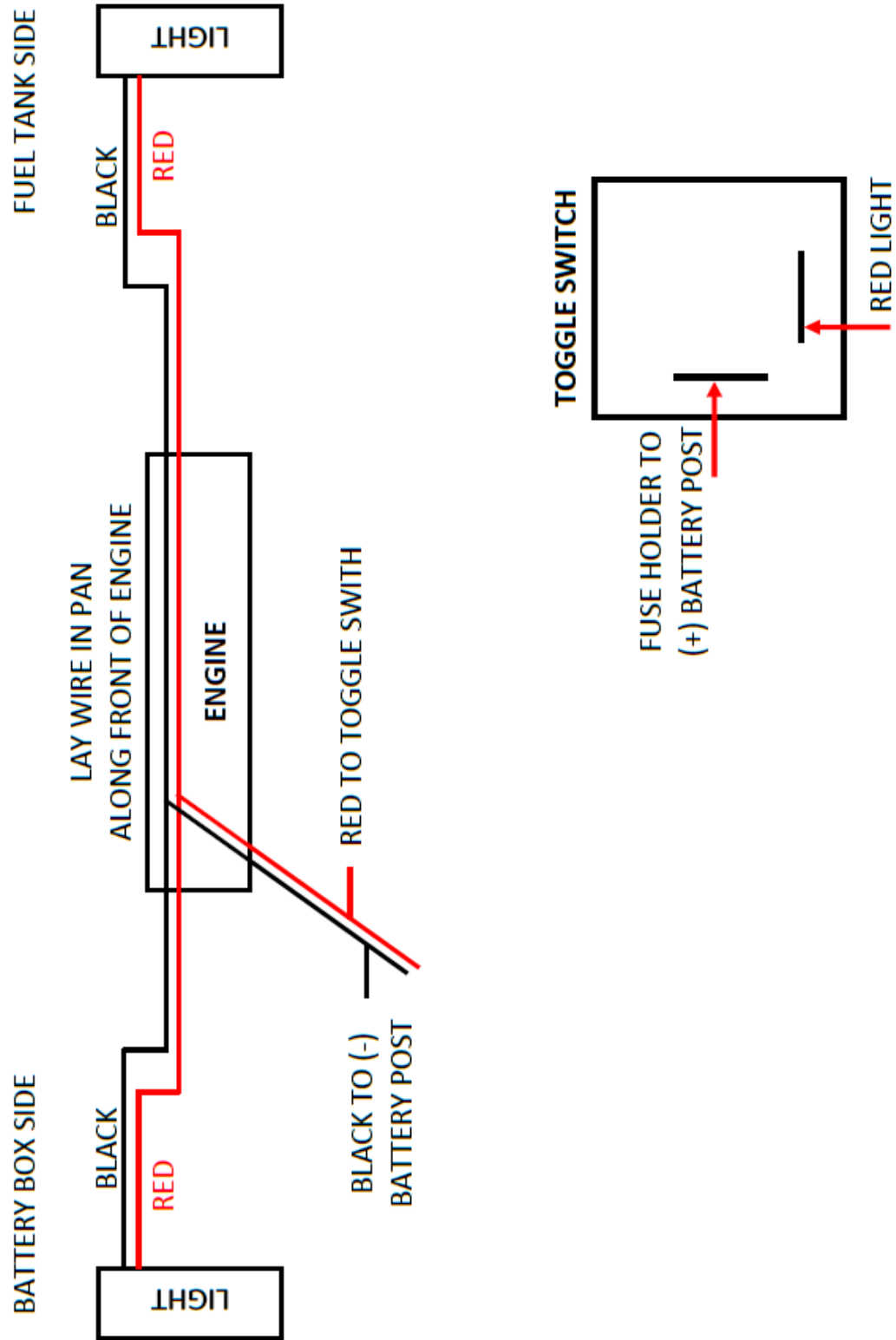
1. Check all hydraulic hoses **DAILY, or before each scheduled use**, for wear and any signs of chaffing. **REMINDER:** Drive motor hoses should be treated as wear items and should be replaced on a yearly basis.
2. Check all fittings for any signs of leaking **DAILY, or before each scheduled use**.
3. 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
 - ◆ Pivot bearing on main housing
 - ◆ U-Joint on steering shaft
4. Check engine to manufacturers specifications and maintenance. **THIS ENGINE HAS AN OIL SHUT OFF SWITCH. CHECK OIL LEVEL FREQUENTLY AS THE UNIT WILL STALL ON INCLINES IF OIL LEVEL IS LOW.**
5. Fill hydraulic tank to 4-6" below filler cap. Be sure to tighten cap till cap seals.
6. 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 drive motor chains on a regular basis. If chains are not tight, this could cause severe sprocket wear and possible breakage.**
7. After approximately **1 WEEK** of use, **and then every 2 WEEKS thereafter**, check chains on steering. Adjust as needed.
8. Pivot for articulating steering should be tight, **with no play**, much the same as wheel bearings on cars.
9. **Keep unit clean.** Should rust form on rolls, simply drive the unit on a rough area till rolls are clean.

Oil & Filter Type - It has been determined that your Salsco machine will perform better by using a 25 micron filter. See drawing #2 for part numbers. Hydraulic oil recommendation: MOBIL 1, 15W-50, FULL SYNTHETIC MOTOR OIL

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.

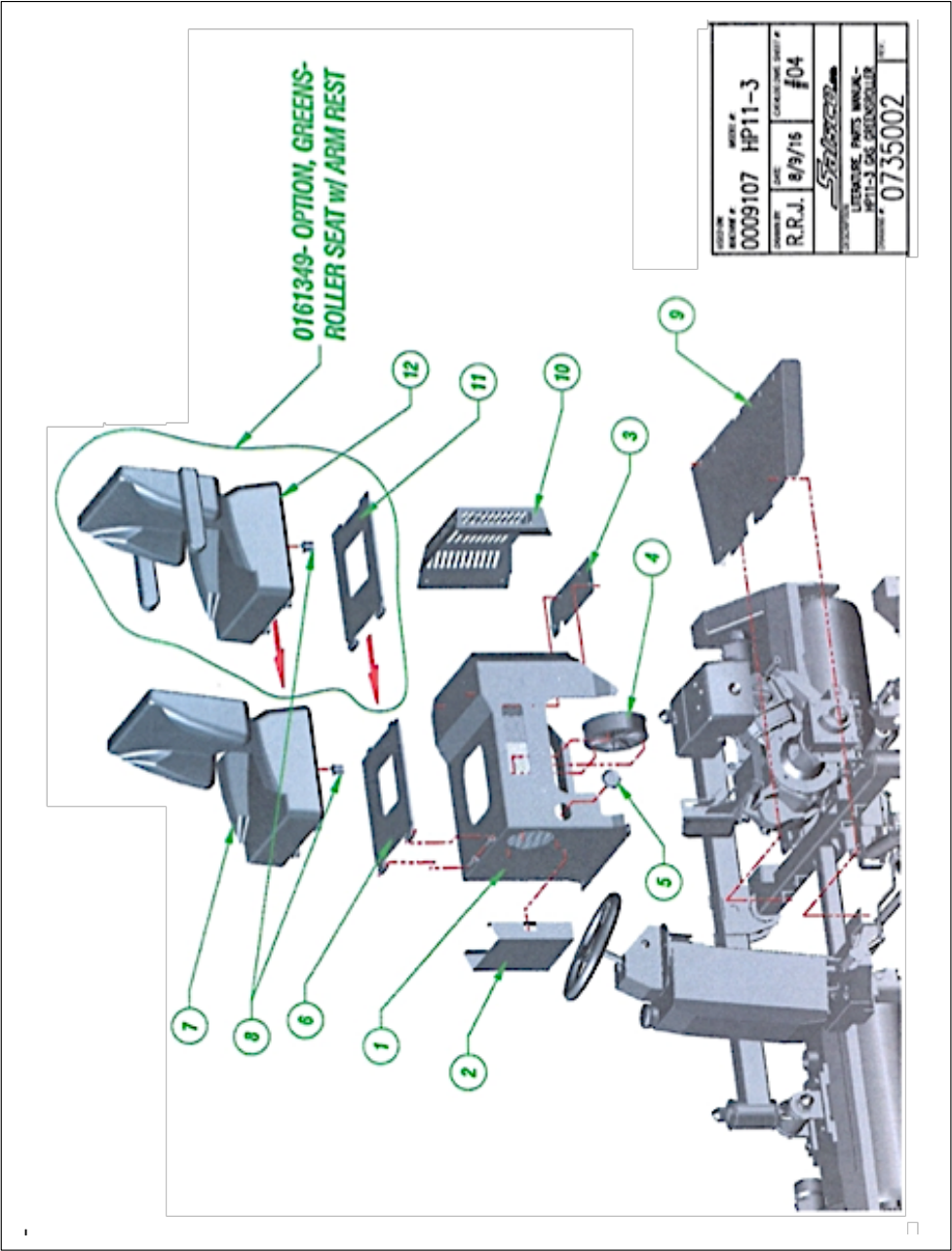


HP11-III

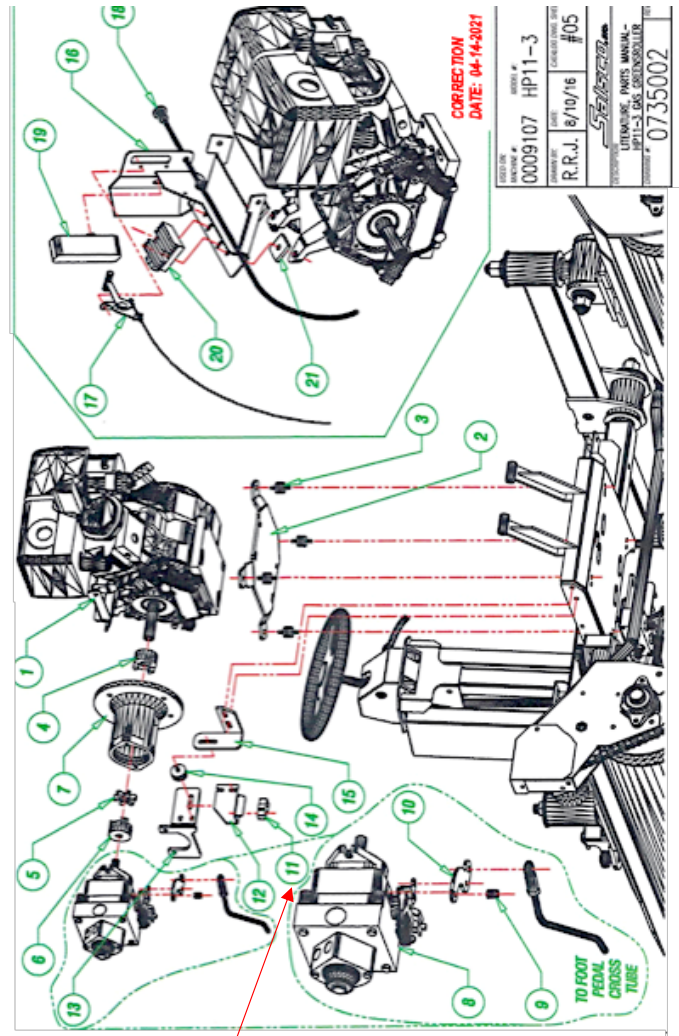


ITEM	DESCRIPTION	PART NO.	QTY
7	SEAT-BLACK VINYL	0347009	1
8	SWITCH, SEAT	0315397	1
9	PLATE, FLOOR	0421777	1
10	GUARD, ENGINE EXHAUST	1001689	1
11	(OPTION) PLATE, SEAT MOUNTING	0290048	1
12	(OPTION) SEAT WITH ARM RESTS	0347013	1

ITEM	DESCRIPTION	PART NO.	QTY
1	HOUSING, ENGINE	0228287	1
2	HOLDER, CLIPBOARD	0481053	1
3	GUARD, ENGINE HEAT SHIELD	0221644	1
4	COOLING FAN	0315370	1
5	HOUR METER	0315369	1
6	PLATE, SEAT MOUNT & HINGE	0262715	1



ITEM	DESCRIPTION	PART NO.	QTY	ITEM	DESCRIPTION	PART NO.	QTY
1	ENGINE, HONDA 13HP	0337033	1	12	BRACKET, NEUTRAL SWITCH MOUNTING	0488046	1
2	PLATE, ENGINE VIBRATION DAMPING	0462462	1	13	SUPPORT, HYDRAULIC PUMP	0477231	1
3	MOUNT, VIBRATION DAMPING SANDWICH 1/4-20	0376319	4	14	MOUNT, VIBRATION DAMPING SANDWICH, 5/16-18	0376250	1
4	COPLING, HUB-1" BORE	0313003	1	15	BRACKET, VIBRATION DAMPING MOUNTING	0406877	1
5	COUPLING, SPIDER SOX, RUBBER	0313004	1	16	BRACKET, IGNITION, CHOKE & THROTTLE MOUNTING	0288248	1
6	COUPLING, HUB 17MM BORE	0313081	1	* NO LONGER USED. STILL AVAILABLE ON OLDER MACHINES			
7	HOUSING, ALUMINUM WITH PLASTIC CAP	0328059	1	17	THROTTLE CONTROL CABLE	0337583	1
8	HYDRAULIC PUMP	0330250	1	18	CABLE, HAND CHOKE	0308043	1
9	D.O.M. TUBE-1/2" O.D. X .083" WALL X 58" LONG	STOCK	1	19	IGNITION CONTROL BOX (SUPPLIED WITH ENGINE)	NO #	1
10	LEVER, HYDRAULIC PUMP, REAR DRIVE	0433251	1	20	REGULATOR (SUPPLIED WITH ENGINE)	NO #	1
11	SWITCH, SNAP ACTION	0315375	1	21	PAD, IGNITION, CHOKE & THROTTLE BRACKET, VIBRATION	0489074	2

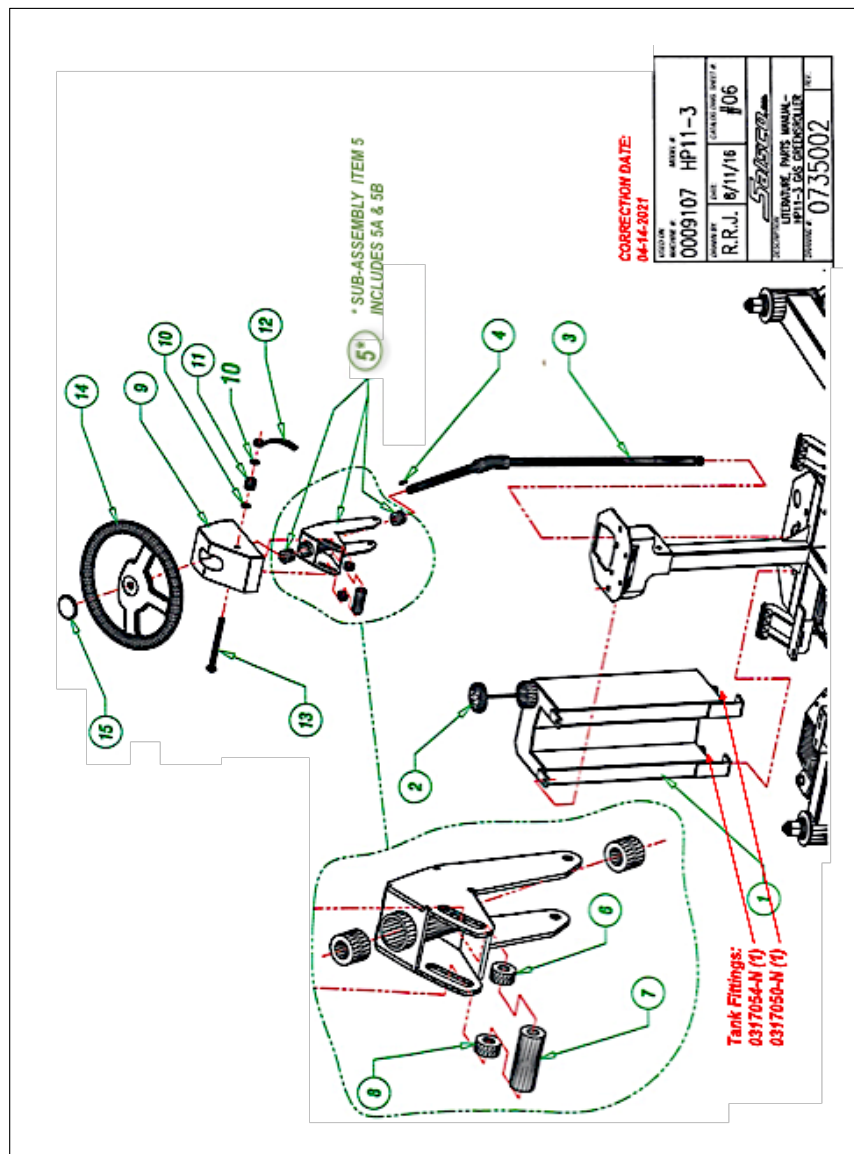


* HARDWARE TO HOLD ITEM # 11,
SNAP ACTION SWITCH IN PLACE.

SCREW, 0346882 - QTY. 2
WASHER, 0353010 - QTY. 2
NUT, 0338010 - QTY. 2
WASHER, 0353009 - QTY. 4

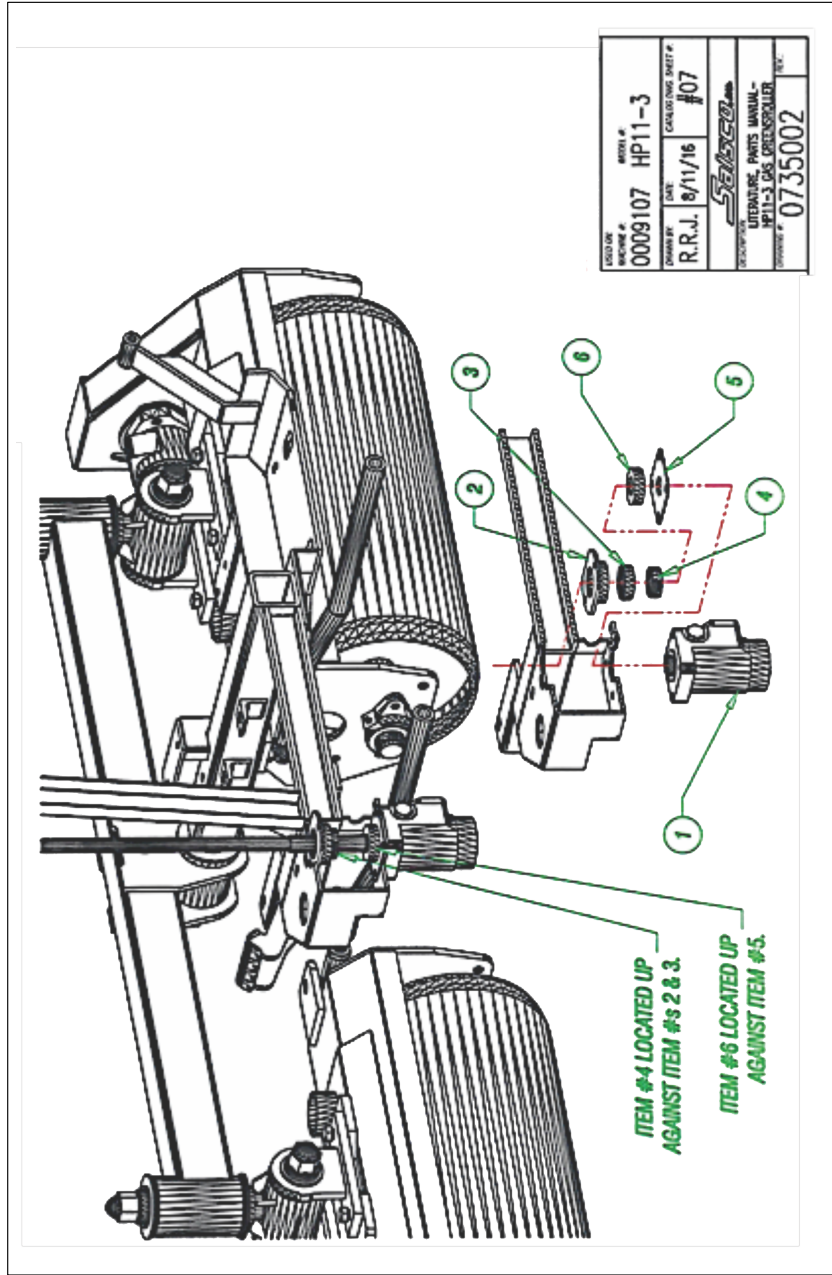
ITEM	DESCRIPTION	PART NO.	QTY
1	TANK, HYDRAULIC OIL	0252108	1
2	CAP, TANK	0271496	1
3	SHAFT, TILT WHEEL STEERING	0248407	1
4	KEY, STEERING SHAFT	0431003	1
5	ARM, TILT WHEEL STEERING PIVOT (SUB-ASSEMBLY)	0265121	1
5A	ARM, TILT WHEEL STEERING PIVOT	0265122	1
5B	BUSHING, SLEEVE-OILITE	0307001	2
6	D.O.M. TUBE 1" O.D. X 1/4" WALL X 1/2" LG.	STOCK	1
7	D.O.M. TUBE 1" O.D. X 1/4" WALL X 2-1/2" LG.	STOCK	1

ITEM	DESCRIPTION	PART NO.	QTY
8	TUBE, HANDLE LEVER LOCKING	0467576	1
9	BOX, TILT WHEEL STEERING	0280064	1
10	WASHER, FLAT U.H.M.W. POLYETHELENE	0353333	1
11	D.O.M. TUBE-1" O.D. X 1/4" WALL X 1-1/8" LG.	STOCK	1
12	HANDLE, EASY GRIP	0323142	1
13	BOLT, CARRIAGE	0346469	1
14	WHEEL STEERING	0354142	1
15	WHEEL CENTER CAP-BLACK	0354143	1



ITEM	DESCRIPTION	PART NO.	QTY
1	STEERING UNIT (WITHOUT POWER BEYOND)	0330261	1
2	HOUSING, STEERING SHAFT BEARING	0226349	1
3	BEARING, STEEL BALL 7/8" BORE	0303109	1
4	COLLAR, SPLIT ONE PIECE 7/8"	0311049	1
5	PLATE, DEBRIS SEAL	0490481	1
6	RING, STEERING SHAFT DUST SEAL	0443073	1

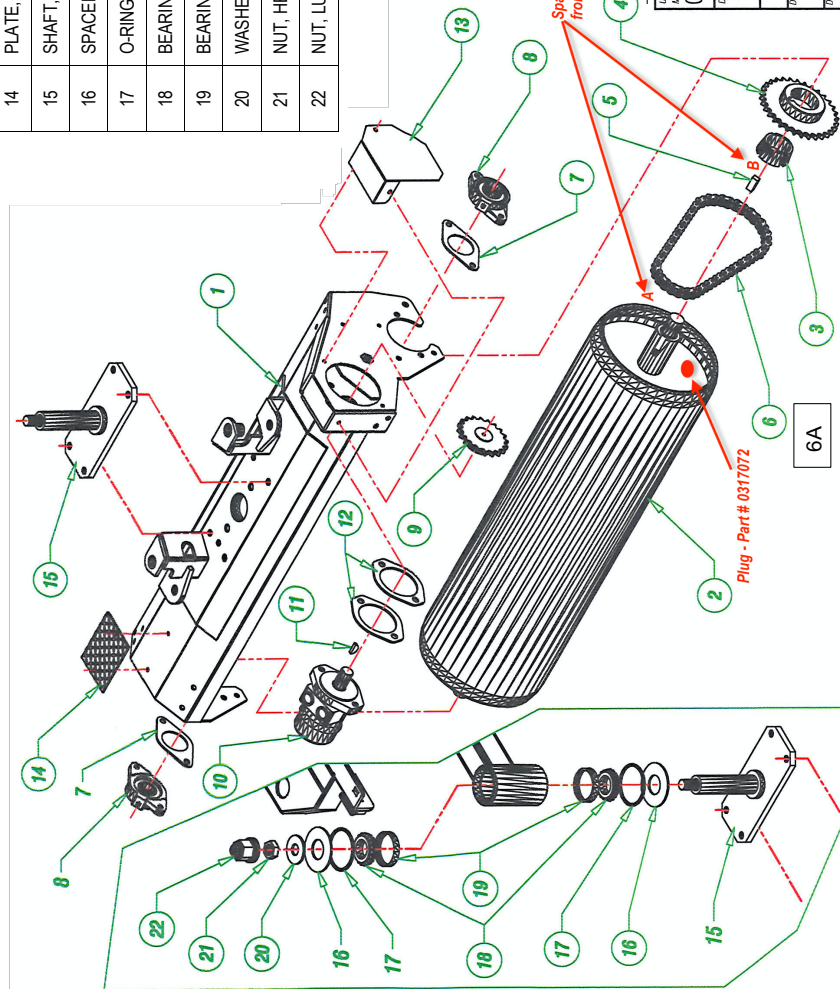
SEAL KIT FOR STEERING UNIT, ITEM # 1 – 0330276 – QTY 1



ISSUED:	8-11-2016
CORRECTION:	04-14-2021
CORRECTION:	08-17-2023

ITEM	DESCRIPTION	PART NO.	QTY
1	HOUSING, ROLLER LEFT	0228350	1
2	SHAFT, ROLLER	0248320	1
3	TAPER LOCK SPROCKET BUSHING	0351213	3
4	SPROCKET, #50BT32 TAPER LOCK	0351212	3
5	KEY, SQUARE (SUPPLIED w/TAPER LOCK BUSHING)	NO #	3
6	CHAIN #60 X 55 PITCHES	0309027	3
6A	MASTER LINK	0309008	3

ITEM	DESCRIPTION	PART NO.	QTY
7	SPACER, 2-BOLT BEARING FLANGE 1-1/4" BORE	0449310	2
8	BEARING, 2-BOLT FLANGE STYLE 1-1/4" BORE	0303083	6
9	SPROCKET, ROLLER SHAFT DRIVE MOTOR	0251194	3
10	HYDRAULIC DRIVE MOTOR (LEFT SIDE ONLY)	0330139	1
11	KEY, WOODRUFF	0331506	3
12	SPACER, HYDRAULIC MOTOR	0449050	6
13	GUARD, ROLLER SHAFT DRIVE CHAIN-LEFT	0421620	1
14	PLATE, FOOT STEP	0490534	1
15	SHAFT, ROLL HOUSING PIVOT	0248392	1
16	SPACER, 11GA. X 1-9/16" I.D. X 3-1/2" O.D.	0453117	8
17	O-RING, 3" I.D. X 3-3/8" O.D. X 3/16"	0343003	12
18	BEARING, BEARING-CONE (TAPERED) 1-1/2" BORE	0303089	12
19	BEARING, BEARING-CUP (TAPERED) 1-1/2" BORE	0303090	12
20	WASHER, FLAT 7/8" U.S.S.	0353145	6
21	NUT, HEX JAM 7/8-14	0338060	6
22	NUT, LUG CAP	0338405	6



***NOTE: ITEM # 2
Cannot purchase shaft or roll separately. Must
be purchased complete.

*** ITEM # 1 - 0228350 SN 7561 & Under.
0228376, SN 7562 & Up.

* PARTIAL QUANTITY OF
THESE ITEMS ARE USED ON

*PARTIAL QUANTITY OF
THESE ITEMS ARE USED ON
OPPOSITE SIDE OF MACHINE.

CORRECTION DATE: 10-17-2023

USED ON:
MACHINE #
0009107 HP11-3

DATE: 8/17/16
DRAWN BY: R.R.J.

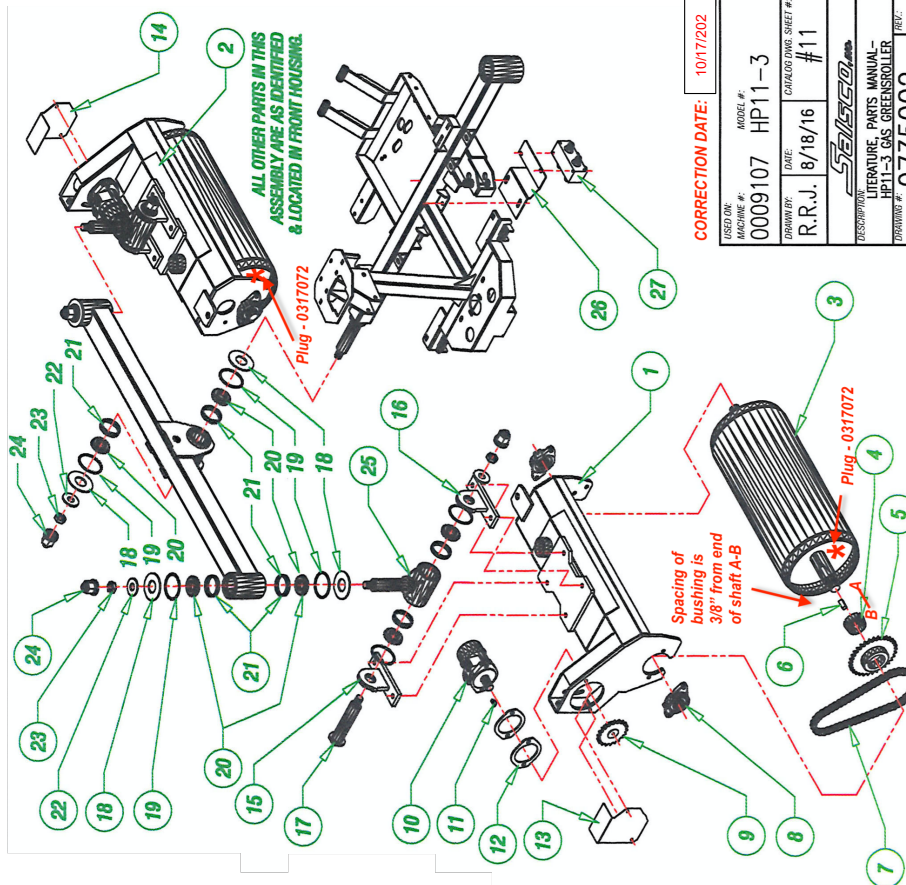
CHECKED BY: #10

DESCRIPTION: LITERATURE, PARTS MANUAL -
HP11-3 GAS GREENS ROLLER

REVISION: 0735002

ITEM	DESCRIPTION	PART NO.	QTY	
1	HOUSING, ROLLER RIGHT FRONT	0228351	1	***
2	HOUSING, ROLLER RIGHT REAR	0228352	1	***
3	SHAFT, ROLLER-SHORT	0248413	2	***
4	TAPER LOCK SUPPORT BUSHING	0351213	3	*
5	SPROCKET, #50BTB32 TAPER LOCK	0351212	3	*
6	KEY, SQUARE (SUPPLIED w/TAPER LOCK BUSHING)	NO #	3	*
7	CHAIN, #50 X 55 PITCHES (INCLUDES MASTER LINK) MASTER LINK Order Separately - 0309008	0309027	3	*
8	BEARING, 2-BOLT FLANGE STYLE-01 1/4" BORE	0303083	6	*
9	SPROCKET, ROLLER SHAFT DRIVE MOTOR	0251194	3	*
10	HYDRAULIC DRIVE MOTOR (RIGHT SIDE ONLY)	0330271	2	*
11	KEY, WOODRUFF	0331506	3	
12	SPACER, HYDRAULIC MOTOR	0449050	6	
13	GUARD, ROLLER SHAFT DRIVE CHAIN-FRONT	0421631	1	
14	GUARD, ROLLER SHAFT DRIVE CHAIN-REAR	0421630	1	
15	MOUNT, OSCILLATOR PIVOT-FRONT	0276821	2	*
16	MOUNT, OSCILLATOR PIVOT-REAR	0276822	2	*
17	SHAFT, OSCILLATOR PIVOT HOUSING	0248359	2	*
18	SPACER - 11GA. X 1-9/16" I.D. X 3-1/2" O.D.	0453117	8	*
19	O-RING - 3" I.D. X 3-3/8" O.D. X 3/16"	0343003	12	*
20	BEARING, BEARING-CONE (TAPERED) 1-1/2" BORE	0303089	12	*
21	BEARING, BEARING-CUP (TAPERED 1-1/2" BORE	0303090	12	*
22	WASHER - FLAT - 7/8" U.S.S.	0353145	6	*
23	NUT, HEX JAM - 7/8-14	0338060	6	*
24	NUT, LUG CAP	0338405	6	*
25	HOUSING, ROLL OSCILLATOR w/o SPRING BRACKET	0228353	2	*
26	BRACKET, HOSE BLOCK MOUNTING	0488249	1	*
27	HYDRAULIC TEE MANIFOLD BLOCK	0330272	1	*

* PARTIAL QUANTITY OF THESE ITEMS ARE USED ON OPPOSITE SIDE OF MACHINE



CORRECTION DATE: 10/17/202

USED ON:	MODEL #:
0009107	HP11-3
DRAWN BY:	DATE:
R.R.J.	8/18/16
REVISION:	CATALOG SHEET #:
	#11
LITERATURE, PARTS MANUAL - HP11-3 GAS GREENROLLER	
TERMINAL #:	REV:
0735002	

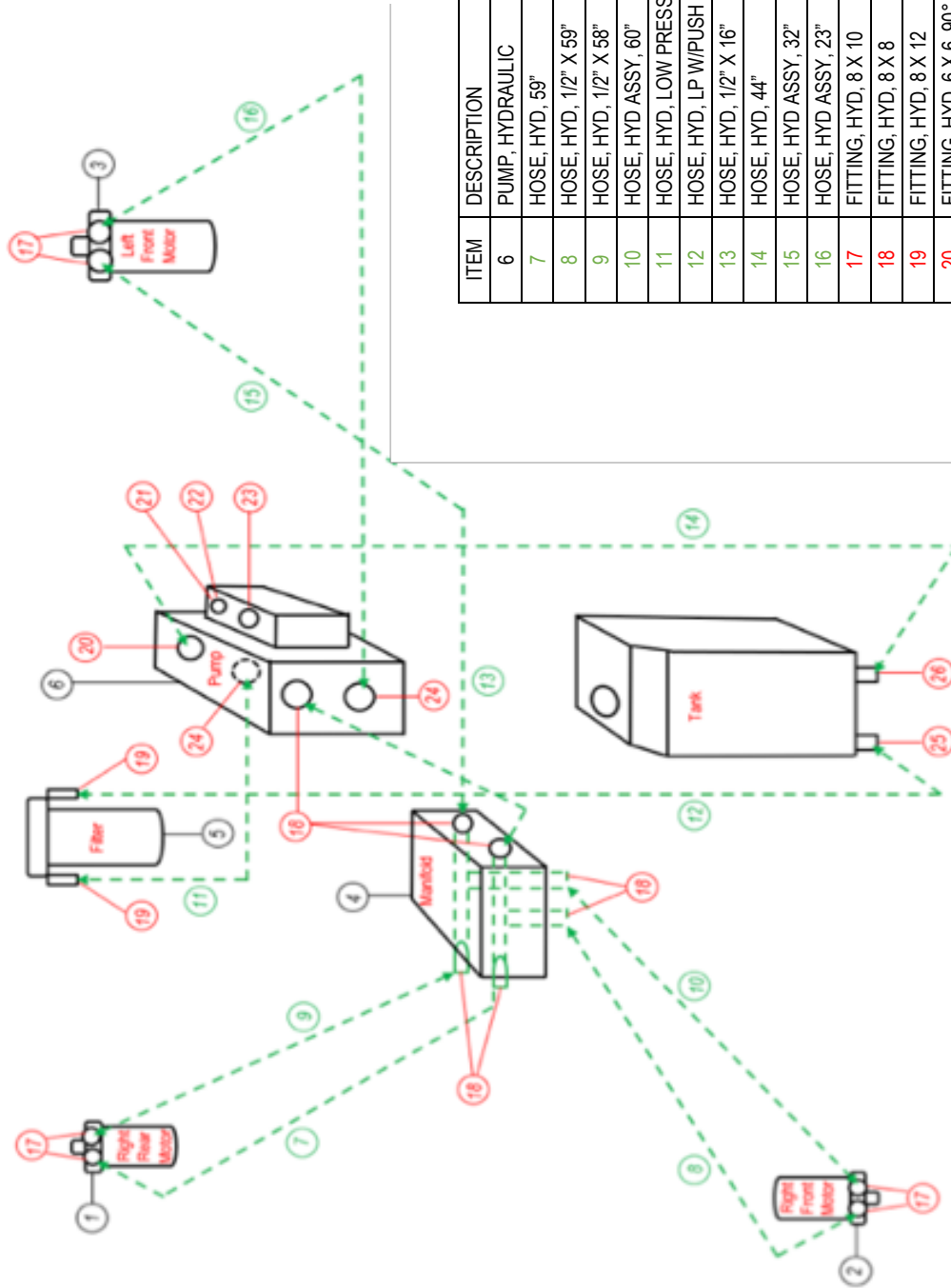
***NOTE: ITEM # 3

Cannot purchase shaft or roll separately. Must be purchased complete.

*** ITEM # 1 - 0228351 SN 7561 & Under. 0228379 SN 7562 & Up.

***ITEM # 2 - 0228352 SN 7561 & Under. 0228380 SN 7562 & Up.

HYDRAULIC COMPONENTS, HOSES & FITTINGS: DRIVE

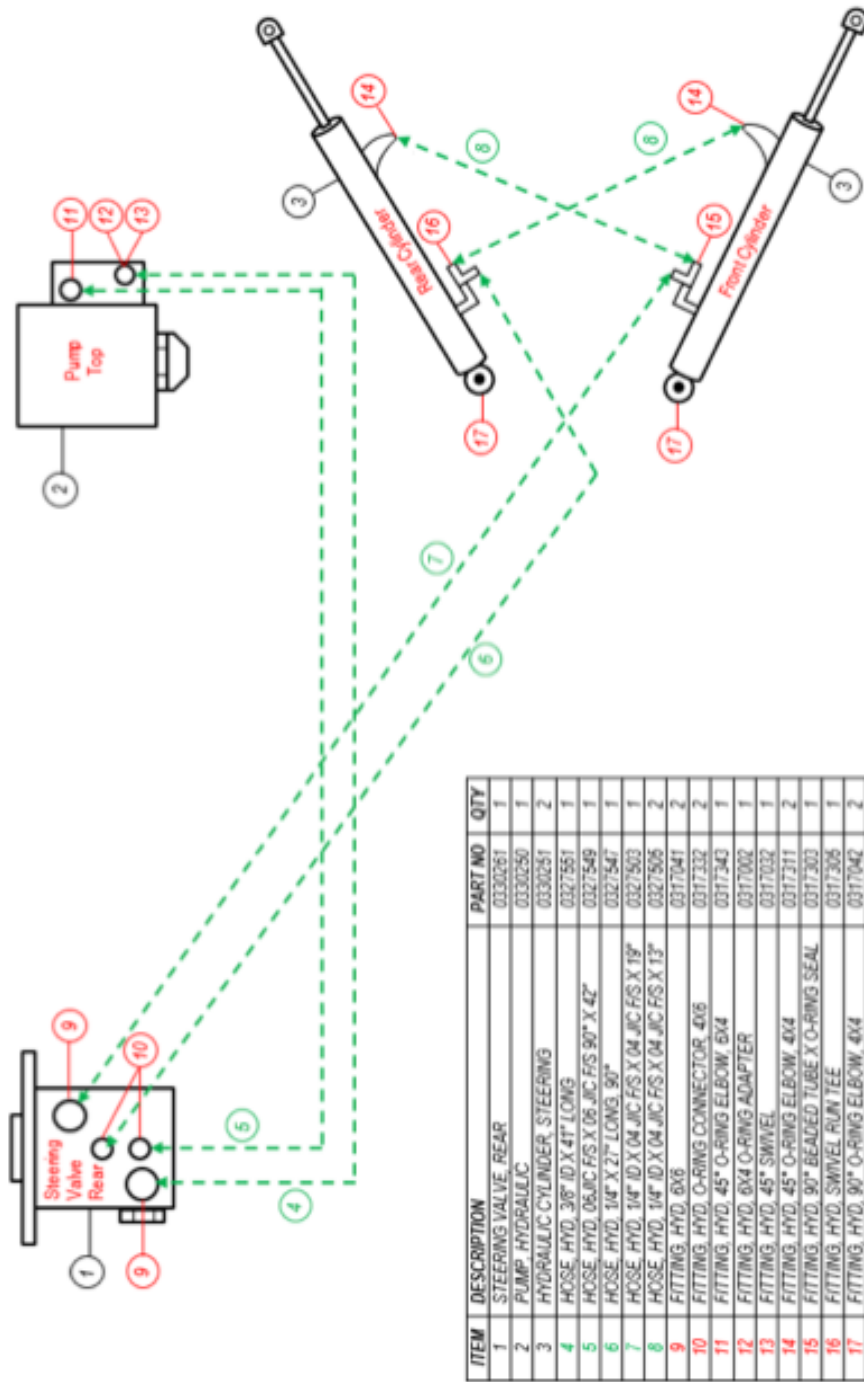


ITEM	DESCRIPTION	PART NO.	QTY
6	PUMP, HYDRAULIC	0330250	1
7	HOSE, HYD, 59"	0327189	1
8	HOSE, HYD, 1/2" X 59"	0327537	1
9	HOSE, HYD, 1/2" X 58"	0327257	1
10	HOSE, HYD ASSY, 60"	0327084	1
11	HOSE, HYD, LOW PRESSURE	0327516	1
12	HOSE, HYD, LP W/PUSH ON ENDS	0327550	1
13	HOSE, HYD, 1/2" X 16"	0327248	1
14	HOSE, HYD, 44"	0327341	1
15	HOSE, HYD ASSY, 32"	0327061	1
16	HOSE, HYD ASSY, 23"	0327039	1
17	FITTING, HYD, 8 X 10	0317008	6
18	FITTING, HYD, 8 X 8	0317030	7
19	FITTING, HYD, 8 X 12	0317184	2
20	FITTING, HYD, 6 X 6, 90°	0317029	1
21	FITTING, HYD, 6 X 4, STRAIGHT	0317002	1
22	FITTING, HYD, 6 X 6, 45° SWIVEL	0317032	1
23	FITTING, HYD, 6 X 6, 45°	0317343	1
24	FITTING, HYD, 8 X 8, 9°	0317007	2
25	FITTING, HYD, 8 X 8, NPT	0317054	1
26	FITTING, HYD, 6 X 6, NPT	0317050	1

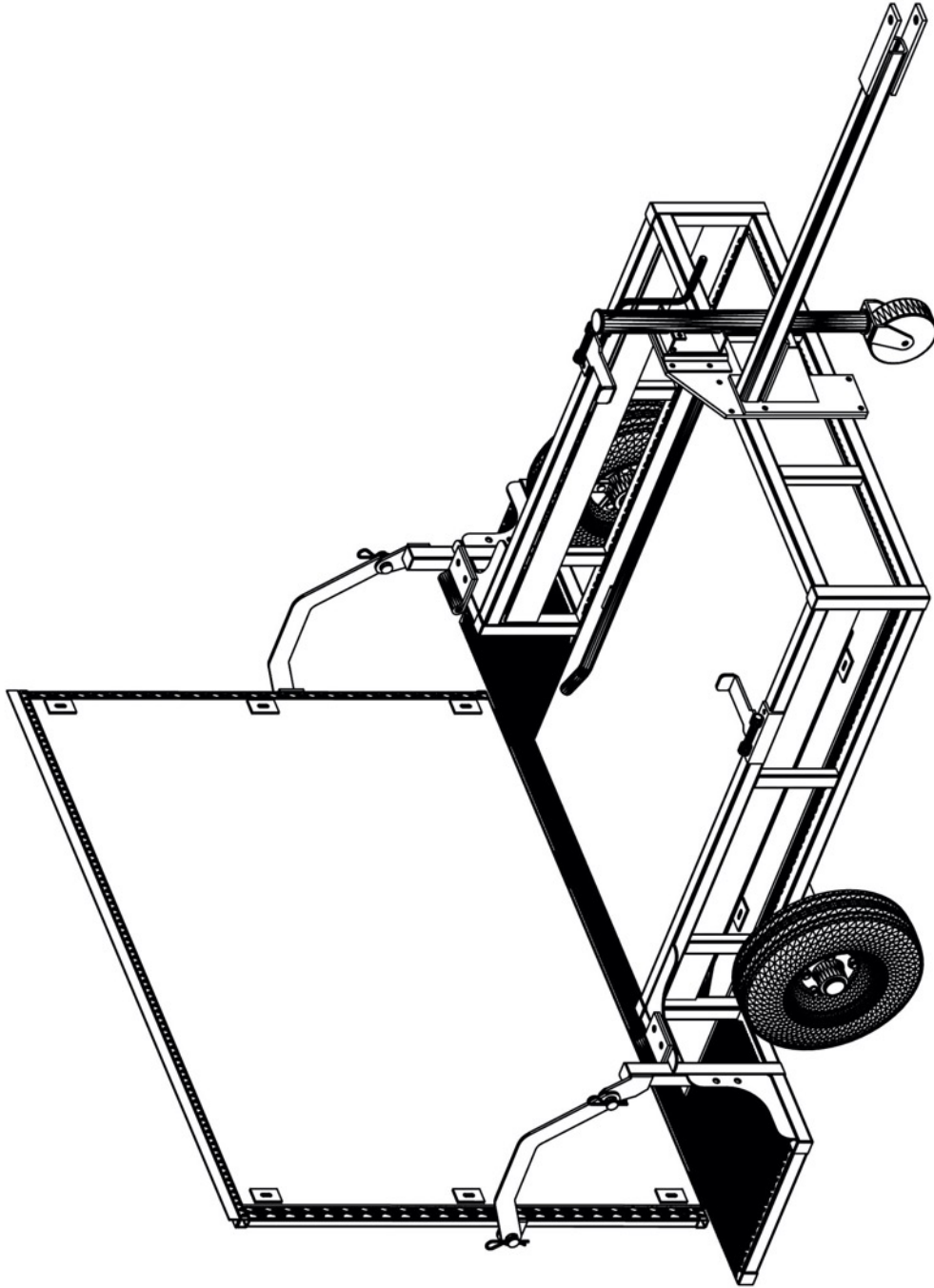
ITEM	DESCRIPTION	PART NO.	QTY
1	MOTOR, HYD. DRIVE, RIGHT FRONT	0330271	1
2	MOTOR, HYD. DRIVE, LEFT FRONT	0330271	1
3	MOTOR, HYD. DRIVE RIGHT MOTOR	0330139	1
4	MANIFOLD, TEE	0330272	1
5	FILTER, HYDRAULIC	0318023	1

REV. 02-27-2023

HYDRAULIC COMPONENTS, HOSES & FITTINGS: STEERING



REVISIONS		DATE
REV	DESCRIPTION	

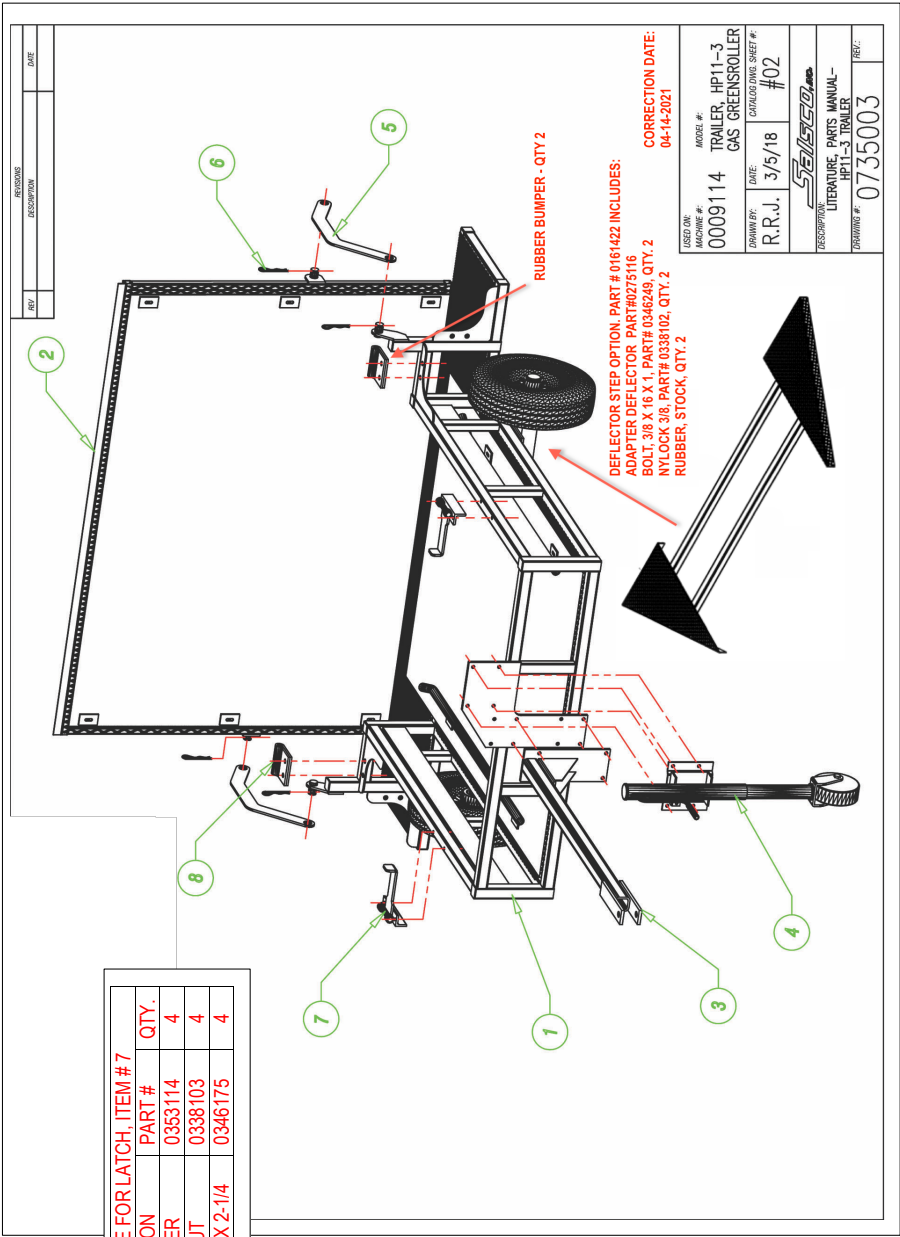


USED ON:	MODEL #:	TRAILER, HP11-3	
MACHINE #:		GAS GREENROLLER	
0009114			
DRAWN BY:	DATE:	CATALOG DWG SHEET #:	
R.R.J.	3/5/18	#01	
STEELSCO			
DESCRIPTION:			
LITERATURE, PARTS MANUAL-			
HP11-3 TRAILER			
DRAWING #:	REV.:		
0735003			

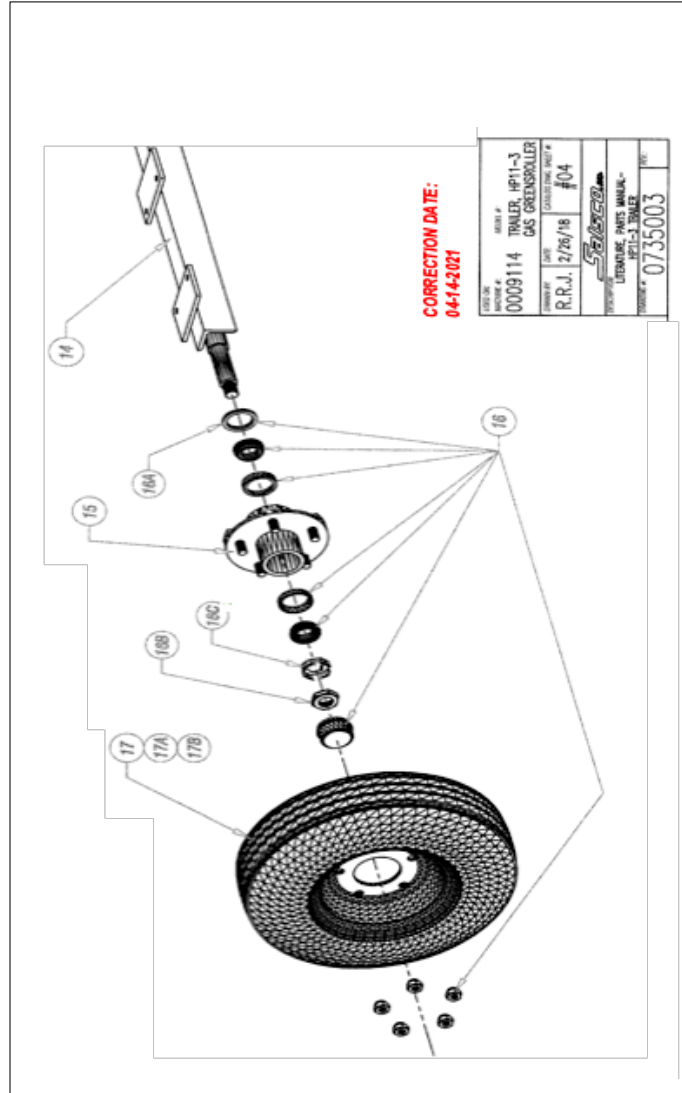
ITEM	DESCRIPTION	PART NO.	QTY
5	LEVER, TRAILER TAILGATE	0433311	2
6	PIN, COTTER – "R"-STYLE (HAIRPIN)	0340230	4
7	LATCH, HP11-III TRAILER LOCKING	0233345	2
8	GUARD, TRAILER SIDE	0421716	2

ITEM	DESCRIPTION	PART NO.	QTY
1	FRAME, HP11-III TRAILER	0219545	1
2	FRAME, HP11-III TRAILER TAILGATE	0219546	1
3	TONGUE, GOLF COURSE TRAILER	0225011	1
4	JACK WITH CASTER	0369047	1

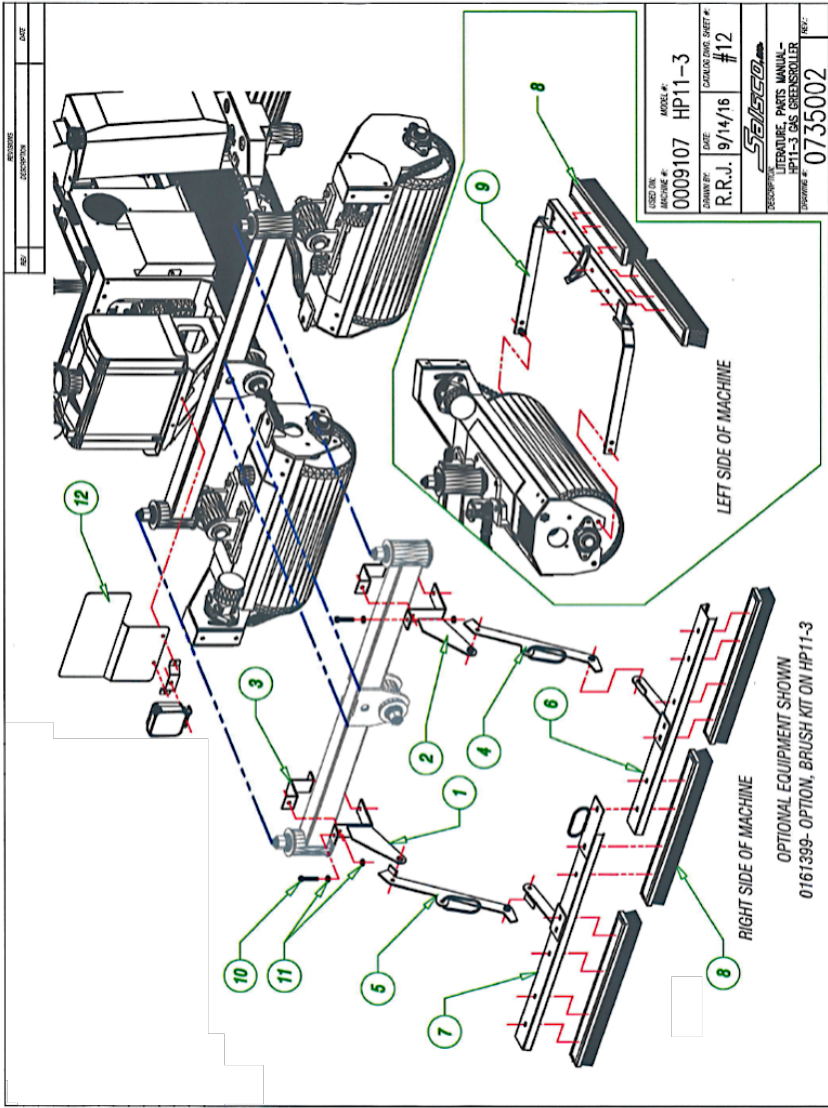
HARDWARE FOR LATCH, ITEM # 7		
DESCRIPTION	PART #	QTY.
5/16 WASHER	0353114	4
NYLOCK NUT	0338103	4
BOLT, 5/16 X 2-1/4	0346175	4



ITEM	DESCRIPTION	PART NO.	QTY
14	AXLE, TRAILER	0202110	1
15	WHEEL HUB ONLY	0329100	2
16	BEARING & SEAL KIT (INCLUDES INNER/OUTER BEARINGS, RACE, GREASE SEAL, COTTER PIN & TANG WASHER)	0303111	2
16A	SEAL ONLY, GREASE	0336135	2
16B	SPINDLE, JAM NUT (NUT ONLY)	0303069	2
16C	SPINDLE NUT RETAINER (RETAINER ONLY)	0303070	2
17	TIRE & WHEEL ASSEMBLY (VERTICAL TREAD)	0354020	2
	TIRE & WHEEL ASSEMBLY (HORIZONTAL TREAD)	0354156	2
17A & 17B	TIRE & OR RIM, OBSOLETE. ONLY AVAILABLE AS COMPLETE TIRE/WHEEL ASSEMBLY PART # 0354020		



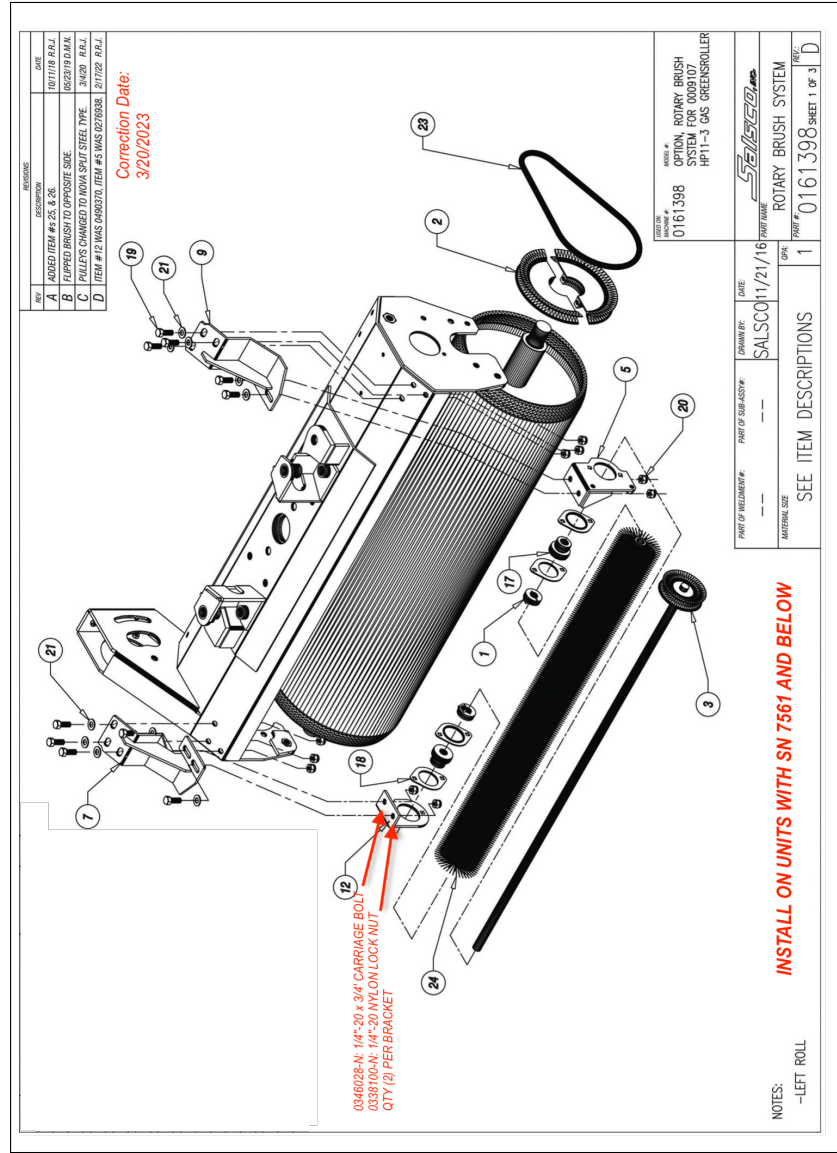
ITEM	DESCRIPTION	PART NO.	QTY	ITEM	DESCRIPTION	PART NO.	QTY
1	BRACKET, DUAL BRUSH HOUSING MTG.-REAR	0288251	1	7	HOUSING, DUAL BRUSH MTG.-REAR	0228357	1
2	BRACKET, DUAL BRUSH HOUSING MTG.-FRONT	0288252	1	8	BRUSH, REPLACEMENT	0336060	5
3	CLAMP, DUAL BRUSH HOUSING MTG-BRACKET	0410202	2	9	HOUSING, BRUSH KIT	0228294	1
4	LEVER, DUAL BRUSH-FRONT	0233315	1	10	SCREW, HEX HEAD CAP-3/8-16 X 2" LONG	0346207	2
5	LEVER, DUAL BRUSH-REAR	0233316	1	11	NUT HEX JAM - 3/8-16	0338052	4
6	HOUSING, DUAL BRUSH MTG. FRONT	0228356	1	12	GUARD, FUEL TANK	0421704	1



ITEM	DESCRIPTION	PART NO.	QTY
1	COLLAR, BRUSH CLAMPING	0211064	6
2	PULLEY, BRUSH DRIVE	0242276	3
3	SHAFT, ROLLER SHAFT	0248424	1
5	MOUNT, ROLLER BRUSH SHAFT DRIVE-LEFT	0276927	2 *
7	BRACKET, ROLLER BRUSH SHAFT MNT. RIGHT & FRONT	0288231	1
9	BRACKET, ROLLER BRUSH SHAFT MNT. RIGHT REAR	0288230	1
12	PLATE, ROLLER BRUSH SHAFT DRIVE - B	0490331	1

* ITEM #5 IS ALSO ON SHEET 2 OF 3. TOTAL QTY IS 2

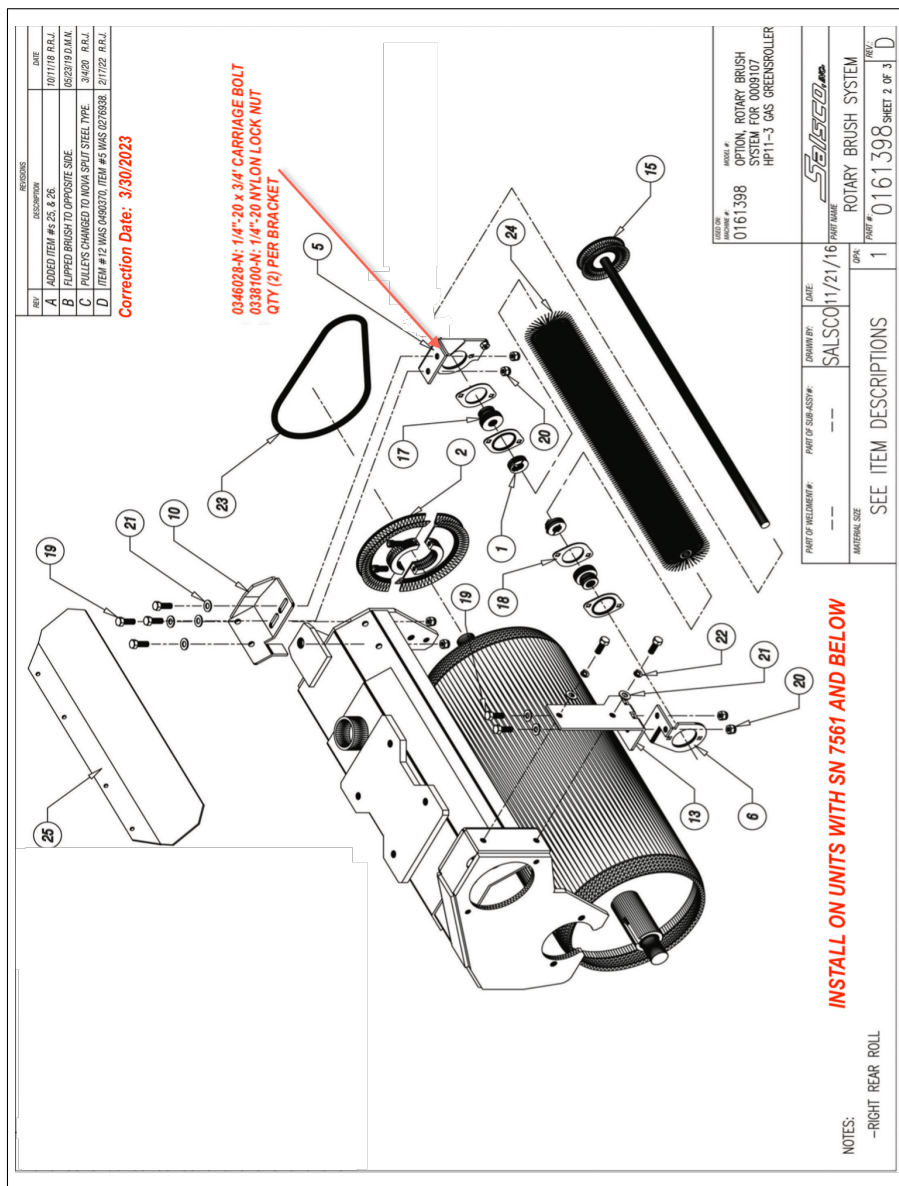
ITEM	DESCRIPTION	PART NO.	QTY
17	BEARING INSERT 5/8" BORE, INCLUDES LOCKING COLLAR	0303053	6
18	BEARING FLANGETTE-FOR 5/8" BEARING	0303054	12
19	SCREW, HEX HEAD CAP 3/8-16 X 1" LONG	0346249	24
20	NUT, LOCK - 3/8-16 NYLOCK	0338102	20
21	WASHER, FLAT - 3/8" SAE	0353113	24
23	V-BELT, SINGLE 28" LONG	0304200	3
24	BRUSH, OPEN COIL	0336142	3



ITEM	DESCRIPTION	PART NO.	QTY
1	COLLAR, BRUSH CLAMPING	0211064	6
2	PULLEY, BRUSH DRIVE	0242276	3
5	MOUNT, ROLLER BRUSH SHAFT DRIVE - LEFT	0276927	2*
6	MOUNT, ROLLER BRUSH SHAFT IDLER - LEFT	0490367	1
10	MOUNT, ROLLER BRUSH DRIVE - LEFT	0276931	1
13	BRACKET, ROLLER BRUSH SHAFT IDLER - LEFT REAR	0488174	1
15	SHAFT, ROLLER BRUSH - SHORT	0248425	2
17	BEARING INSERT 5/8" BORE, (INCLUDES LOCKING COLLAR)	0303053	6

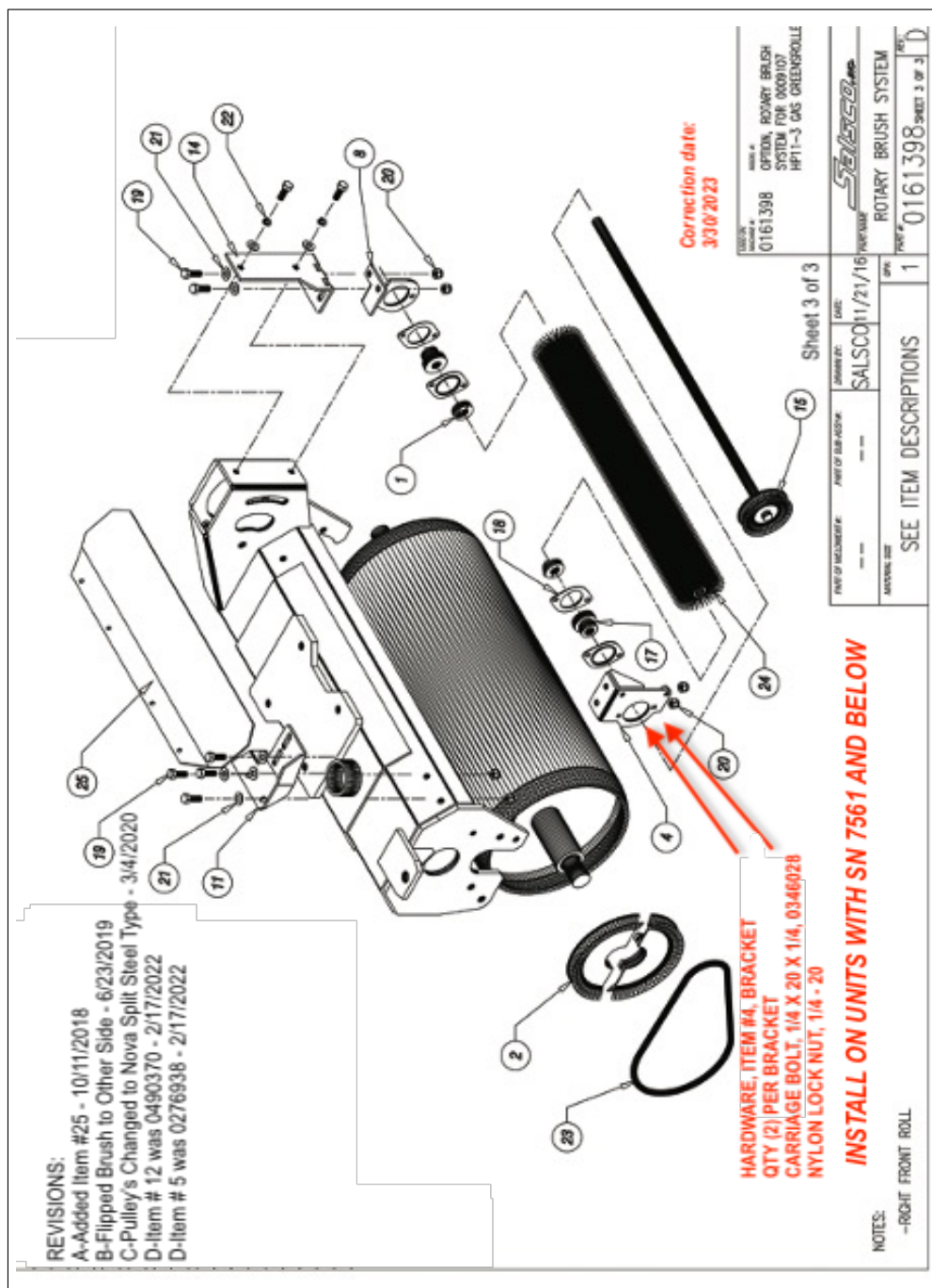
* ITEM #5 IS ALSO ON SHEET 1 OF 3. TOTAL QTY IS 2.

ITEM	DESCRIPTION	PART NO.	QTY
18	BEARING FLANGETTE-FOR 5/8" BEARING	0303054	12
19	SCREW, HEX HEAD CAP 3/8-16 X 1" LONG	0346249	24
20	NUT, LOCK - 3/8-16 NYLOCK	0338102	20
21	WASHER, FLAT - 3/8" SAE	0353113	24
22	WASHER, SPLIT LOG - 3/8"	0353016	6
23	V-BELT, SINGLE 28" LONG	0304200	3
24	BRUSH, OPEN COIL	0336142	3
25	GUARD, ROLLER BRUSH - SHORT	0421715	2



ITEM	DESCRIPTION	PART NO.	QTY
18	BEARING FLANGETTE-FOR 5/8" BEARING	0303054	12
19	SCREW, HEX HEAD CAP 3/8-16 X 1" LONG	0346249	24
20	NUT, LOCK - 3/8-16 NYLOCK	0338102	20
21	WASHER, FLAT - 3/8" SAE	0353113	24
22	WASHER, SPLIT LOG - 3/8"	0353016	6
23	V-BELT, SINGLE 28" LONG	0304200	3
24	BRUSH, OPEN COIL	0336142	3
25	GUARD, ROLLER BRUSH - SHORT	0421715	2

ITEM	DESCRIPTION	PART NO.	QTY
1	COLLAR, BRUSH CLAMPING	0211064	6
2	PULLEY, BRUSH DRIVE	0424476	3
4	MOUNT, ROLLER BRUSH SHAFT DRIVE, RIGHT FRONT	0276928	1
8	MOUNT/PLATE - ROLLER BRUSH SHAFT, LEFT IDLER SIDE	0490372	1
11	MOUNT, ROLLER BRUSH DRIVE, RIGHT FRONT	0286932	1
14	BRACKET, ROLLER BRUSH MOUNT, IDLER RIGHT FRONT	0488176	1
15	SHAFT, ROLLER BRUSH - SHORT	0248425	2
17	BEARING INSERT 5/8" BORE, (INCLUDES LOCKING COLLAR)	0303053	6

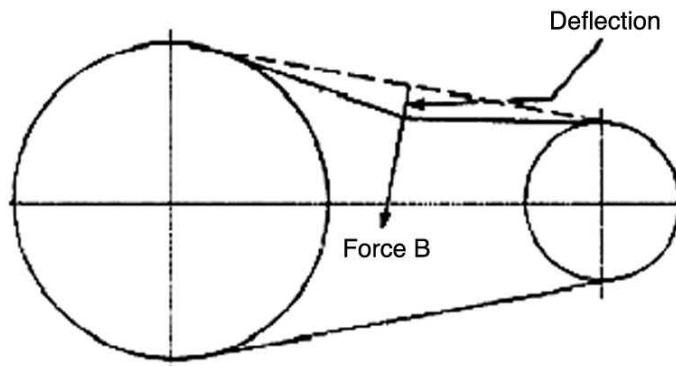


Below is a quick reference chart for various “Flat Head Cap Screws” and the torque recommendations.

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	---	---

Drive Belt Tension Measurement by Deflection



Deflection should be 3/8" when 8-12 lbs. push is applied at "B"

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

- Call our service department for helpful instruction on how to correct or repair the problem. Preventive maintenance will also be suggested.
- 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.
- Warranty Claims **MUST** be filed within 30-days from completion of the work performed. Contact our office for an electronic warranty claim form.
- 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").
- 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.
- 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.
- 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.**
- 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 #.
- 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, www.salsco.com

SALSCO WARRANTY CLAIM FORM

SALSCO, INC. 105 SCHOOLHOUSE RD. CHESHIRE, CT 06410		PHONE: 203-271-1682, 800-872-5726 FAX: 203-271-2596 EMAIL: f.carrington@salsco.com WEB: www.salsco.com	
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 #:
FILL IN ALL INFORMATION REQUESTED ON WARRANTY CLAIM FORM. INCOMPLETE FORMS CANNOT BE PROCESSED & WILL BE RETURNED. 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. INV. # NEEDS TO BE INCLUDED ON WARRANTY CLAIM.				
OFFICE USE ONLY				
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:			

SALESMAN ID # _____

SALES MANAGER'S NAME _____

800-872-5726, 203-271-1682
203-271-2596 (Fax)**SALSCO, INC.**
105 School House Road
Cheshire, CT 06410**www.salsco.com**
sales@salsco.com**DEALER DELIVERY REPORT**

MODEL:		SERIAL NO:	
DEALER:	CITY:	STATE:	ZIP:
PURCHASER:	ADDRESS:	CITY:	ST: ZIP:
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.		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 Owner'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.	
DATE:		DATE: PURCHASER:	
SIGN BY:		SIGN BY:	
PHONE:	FAX:	PHONE:	
E-Mail		EMAIL:	

MODEL:		SERIAL NO:	
SALSCO LIMITED WARRANTY CARD			
DATE PURCHASED:			
PURCHASER:	ADDRESS:	CITY:	ST: ZIP:
EMAIL:		PHONE:	
DEALER:		STATE: CT	
Will this equipment be used commercially?		Yes	No
Did Dealer service this equipment and instruct you in its care and safe operation?		Yes	No
Did you receive an "Operation & Service Manual" and safety pamphlet?		Yes	No
Signed		Purchaser	
NOTICE: 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.			

SERVICE RECORD

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

[illegible]

MODEL # _____ S/N _____

DATE PURCHASED: _____