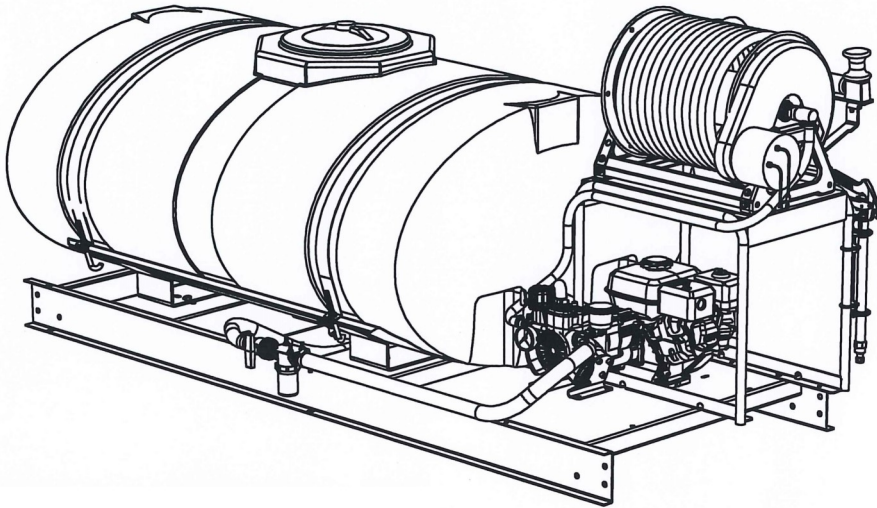


OWNER'S MANUAL

Model: TSSK-300 (5301337)

(300 Gallon Skid-Mounted High Pressure Sprayer w/160cc Honda Engine)



Technical Specifications

- 300 Gallon Polyethylene Tank
- 160cc Honda Engine, Recoil Start
- 3 Diaphragm Pump
- Maximum Flow = 10.6 GPM
- Maximum Pressure = 580 PSI
- Maximum Temperature = 140°F
- GunJet Spray Gun w/1/2" x 300' of Hose

Caution: When fully filled with water, this sprayer will weigh approx. 3,090 lbs.. Consult the owner's manual for your vehicle to verify that you are within it's load carrying capacity.

FOR ANY REASON, PLEASE CALL
1-800-831-0027

IF YOU SHOULD HAVE A QUESTION OR EXPERIENCE A PROBLEM WITH YOUR FIMCO INDUSTRIES PRODUCT:
1-800-831-0027

BEFORE YOU CALL, PLEASE HAVE THE FOLLOWING INFORMATION AVAILABLE: SALES RECEIPT & MODEL NUMBER. IN MOST CASES, A FIMCO INDUSTRIES EMPLOYEE CAN RESOLVE THE PROBLEM OVER THE PHONE.

General Information

Thank you for purchasing this product. The purpose of this manual is to assist you in operating and maintaining your Skid Sprayer.



WARNING: To reduce the risk of injury, the user must read and understand the operator's manual before using this product.



WARNING: Cancer and Reproductive Harm
www.P65Warnings.ca.gov

Retain a copy of your receipt for your unit, as it will be required to validate any warranty service. Products are warranted against manufacturer or workmanship defects for one year from date of purchase for home owner usage and 90 days for commercial usage.

For technical assistance, visit our website @ www.fimcoindustries.com or call: **TOLL FREE @ 1-800-831-0027**

Our Technical Support Representatives will be happy to help you.

To obtain prompt, efficient service, always remember to give the following information...

- Correct Part Description and/or part number
- Model #/Serial # of your sprayer

Part descriptions and numbers can be obtained from the illustrated parts list section(s) of this manual.

Before Operating the Sprayer

1. Add proper oil to the engine crankcase and gasoline to the gas tank. Refer to engine manual for correct oil type. Add SAE 30 to the sight level in the diaphragm pump. Fill the gear case with 90W gear lube until the gear lube runs out the side plug hole.
2. Add plain water to the tank and check the system for leaks. Open the suction line valve. Make sure the pressure regulator is in the (0 PSI) position.

Do not exceed recommended pressure on pump or sprayer, as it may cause hoses to burst and will shorten pump life.

WARNING

This product when used can be dangerous and can cause bodily harm, only if not properly used or guarded.

*** STAY AWAY FROM EQUIPMENT WHEN IT IS IN OPERATION ***

Read information and the full instructions furnished with the product before installing and operating.



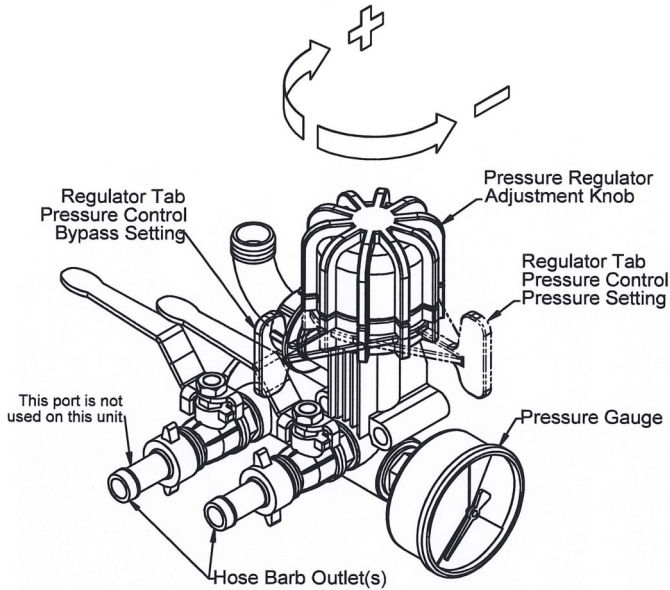
www.fimcoindustries.com

1000 FIMCO Lane, P.O. Box 1700, North Sioux City, SD 57049
Toll Free Phone: 800-831-0027 : Toll Free Fax: 800-494-0440

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IMPORTANT: Remove tank lid and be sure the tank is clean and free of any foreign material. Rinse tank out of any tank residue before filling with water to test.



Testing the Sprayer

NOTE:

It is important that you test your sprayer for leakage and proper spray patterns with plain water before chemical application is attempted. This will also give you the opportunity to familiarize yourself with the operation of the sprayer, without the possibility of losing any expensive chemicals.

Operating the Sprayer

1. Rotate the regulator tab clockwise as far as possible (0 PSI). This aids in the starting of the engine.
2. Make sure handgun is in the "off" position and the suction line valve is open. Start the engine.
3. Open the handgun. Water should start to flow from the handgun immediately. Leave the regulator tab in position (0 PSI) for about 1 minute. Allow any air in the system to be worked out before attempting to spray. Rotate the tab in the opposite direction to increase the pressure.
4. The pressure regulator (red knob on top) may now be rotated to get the desired operating pressure. Operate the sprayer for a short time with plain water and inspect the system again for any leakage. The sprayer is ready to use.

****NOTICE****

1. Be sure all guards covering exposed moving parts, such as shafts, are in place at all times. DO NOT USE the sprayer unless all guards are in place.
2. Test the sprayer with plain water before adding chemicals to the tank.
3. DO NOT EXCEED recommended speed, pressure and temperature for the sprayer and pump.
4. High pressure spray can cause serious bodily injury. Handle with care. Grasp gun firmly before starting to spray. During spraying operation, hold gun firmly.
5. DO NOT put hands or fingers in front of the gun or point the gun at your body or anyone else.
6. Before working on, servicing or making adjustments to equipment, disengage power, shut off engine, make sure all moving parts have stopped and all pressure in the system is relieved.
7. Perform periodic cleaning, maintenance and inspection of fittings and hoses for operator safety. Replace any fittings or hoses that are shown to have defects.
8. DO NOT use sprayer for pumping water or other liquid for human or animal consumption.
9. If equipment is used in freezing or near freezing conditions, protect pump and plumbing on sprayer from freezing. Drain liquid from system and add antifreeze (containing a rust inhibitor).

Maintenance During/After Spraying

Periodically close the suction line valve and check the line strainer and clean the screen. Stop the engine and shut off the valve near the strainer. Remove the bowl and screen portions of the strainer and wash them free from all impurities. You may also drain the tank by uncoupling the suction line near the strainer. Open the valve and pour the contents into another container. Read the chemical label for disposal instructions.

Proper care and maintenance will keep your pump wear at a minimum and will keep it running smoothly and trouble-free for a long time and prolong the life of your sprayer.

Change the engine oil per the engine manufacturer's specifications. Oil changes in the pump should be done after each 200 hours of use or at least once a season. To fill the pump with oil, pour oil slowly into the sight tube while slowly turning the pump shaft. Turning the pump shaft purges all of the air from the crankcase. Use SAE 30 motor oil.

Refer to the pump and motor owners manuals for their respective replacement parts and service recommendations.

After use, fill the sprayer tank part way with water. Start the sprayer and allow the water to pump through the entire plumbing system and nozzles. Drain and then refill half full with plain water, add the recommended amount of good quality tank cleaner such as FIMCO Sprayer Tank Neutralizer and Cleaner. (If no tank cleaner is available, you may substitute dish soap for this step, about 1-2 oz. per gallon). Turn sprayer on and circulate through system for 15 minutes and then spray out through handgun nozzle (and boom nozzles if applicable). Refill tank half way with clean water and repeat. Follow the chemical manufacturer's disposal instructions of all wash or rinsing water.

For the boom (if applicable) remove the tips and screens from the nozzle assemblies. Wash these items out thoroughly. Blow the orifice clean and dry. If the orifice remains clogged, clean it with a fine bristle (NOT WIRE) brush or with a toothpick. Do not damage the orifice. Water rinse and dry the tips before storing.

WARNING: Never pump corrosive or abrasive liquids as these will cause rapid wear or deterioration of body, rotor, shaft and seals in the pump. Never run pump dry. Some chemicals will damage the pump valves if allowed to soak untreated for a length of time! ALWAYS flush the pump as instructed after each use. DO NOT allow chemicals to sit in the pump for extended times of idleness. Failure to follow this warning will void the product warranty.

Follow the chemical manufacturer's instructions on disposal of all waste water from the sprayer.

Winter Storage

Prepare the sprayer for end-of-season storage by draining all water out of your sprayer, paying special attention to the pump, handgun and valve(s). These items are especially prone to damage from chemicals and freezing weather.

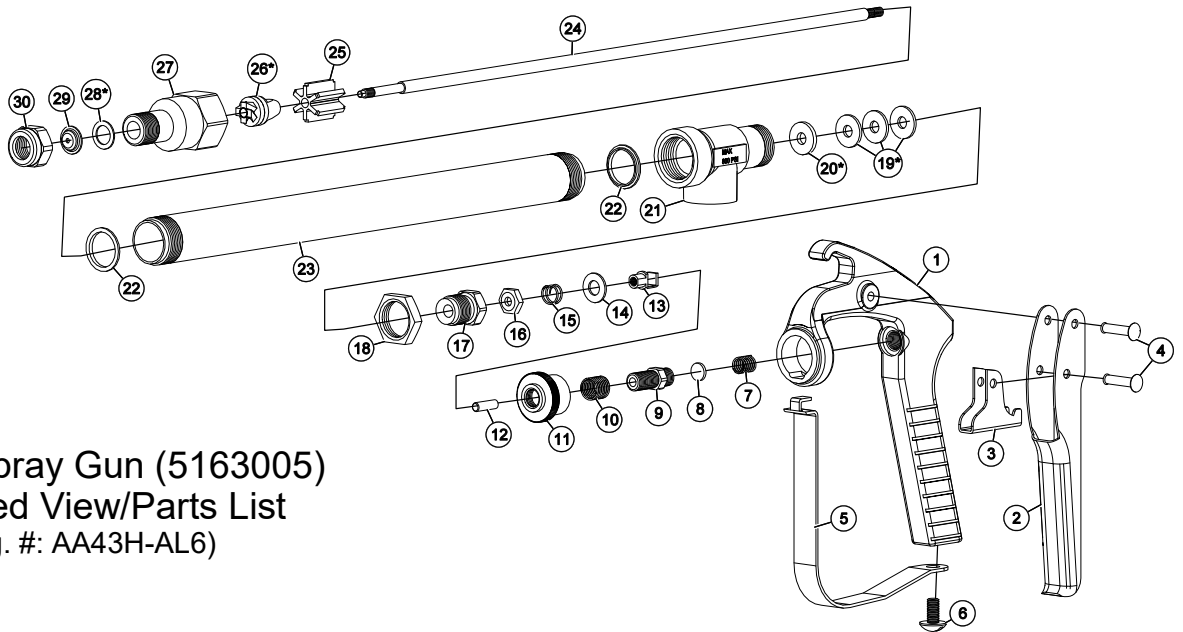
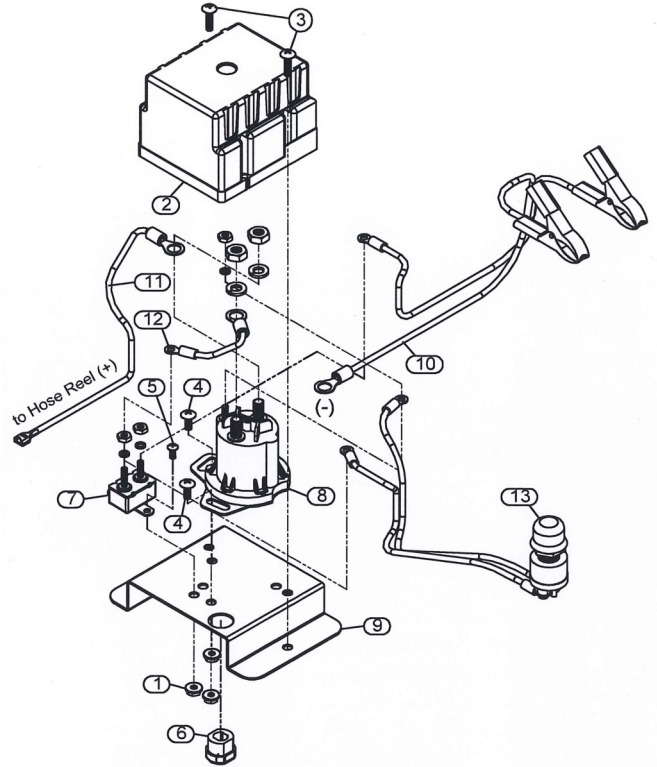
The sprayer should be winterized before storage by pumping a solution of automotive antifreeze (containing a rust inhibitor) through the entire plumbing system. This antifreeze solution should remain in the plumbing system during the winter months. When spring time comes and you are preparing your sprayer for the spray season, rinse the entire plumbing system out, clearing the lines of the antifreeze solution. Dispose of antifreeze and flush water properly.

Proper care and maintenance will prolong the life of your sprayer.

It is nearly impossible to drain all of the water from the sprayer and any trapped water can freeze in cold weather and damage parts of the sprayer. Pumping the antifreeze through the system will displace the water and help prevent this damage.

Electrical Components Assembly (5275416)

Ref. #	Part #	Description	Qty.
1	5006186	#10-24 Serrated Flng Hex Nut	3
2	5058101	Switch Box Cover	1
3	5117176	#10-24 x 3/4" Phillips Truss Head Mach. Screw	2
4	5117234	#10-24 x 1/2" Phillips Truss Head Mach. Screw	2
5	5117334	#10-24 x 1/2" Phillips Round Head Mach. Screw	1
6	5157025	Strain Relief	1
7	5157057	Auto-Reset Circuit Breaker (40 Amp)	1
8	5157075	Solenoid (12 Volt)	1
9	5272286	Electrical Components Base Weldment	1
10	5272287	Battery Wire Assembly	1
11	5272288	Lead Wire Assembly (Positive)	1
12	5272289	Jumper Wire Assembly	1
13	5272290	Push-Button Switch Assembly	1



GunJet Spray Gun (5163005) Exploded View/Parts List (Mfg. #: AA43H-AL6)

Ref. #	Part #	Mfg. Part #	Description	Qty
1	5002205	CP14477-1-AL	Handle Body, Aluminum	1
2	5166026	CP6509-INP	Trigger, Steel - Nickel Plated	1
3	◆◆	CP6510-INP	Trigger Stop, Steel - Nickel Plated	1
4	◆◆	CP7623-I-ZP	Rivet, Steel - Zinc Plated	2
5	◆◆	CP13798-INP	Trigger Guard, Steel - Nickel Plated	1
6	◆◆	CP11757-INP	Screw, Stainless Steel	1
7	5019107	CP6593-2-SS	Main Spring, Stainless Steel	1
8	5016071	CP6592-302SS	Spring Guide Washer, Type 302 S.S.	1
9	5117070	CP6588-I-ZP	Spring Screw, Steel - Zinc Plated	1
10	5019069	CP6594-SS	Spring for Stop Adjustment Nut, S.S.	1
11	5006072	CP6589-I-ZP	Stop Adjustment Nut, Steel - Zinc Plated	1
12	5134010	CP6591-SS	Spring Stud, Stainless Steel	1
13	5166017	CP6597-INP	Trigger Guide, Steel - Nickel Plated	1
14	5016061	CP7991-I-ZP	Washer	1
15	5019083	CP6595-SS	Trigger Stop Spring, Stainless Steel	1
16	5006244	CP9641-INP	Stem Nut, Steel - Nickel Plated	1

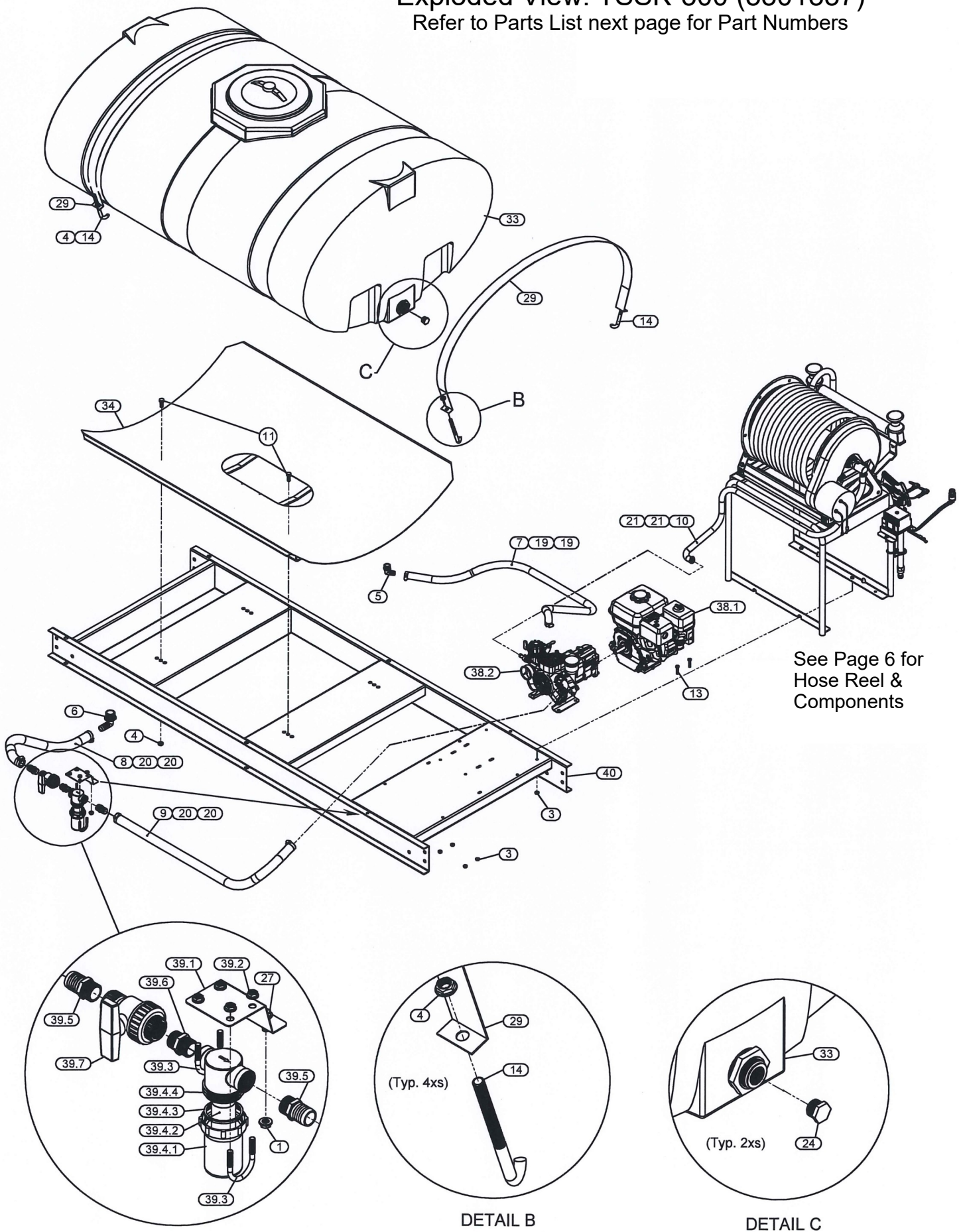
Ref. #	Part #	Mfg. Part #	Description	Qty
17	5117165	CP19237-AL	Packing Screw, Aluminum	1
18	◆◆	CP6599-NP	Locknut, Steel - Plated	1
19*	5097021	CP6602-LEA	Packing, Leather	3
20*	5016063	CP6601-302SS	Packing Washer, Type 302 Stainless Steel	1
21	5002203	CP6492-AL	Inlet Body, Aluminum	1
22	CP45196-NYB	CP45196-NYB	Gasket, Nylon	2
23	5009080	CP6604-AL	Tubing, Aluminum	1
24	5132039	CP19238-416SS	Stem, Type 416 Stainless Steel	1
25	◆◆	CP10571-AL	Guide Vane	1
26*	10565-1-NY-AL	10565-1-NY-AL	Seat Plug, Plate, Washer, & Core Sub-Assy.	1
27	5084016	CP10566-AL	Nozzle Housing, Aluminum	1
28*	5072105	CP4743-NY	Gasket, Nylon	1
29	5063071	D6	Orifice Disc, Stainless Steel (D6)	1
30	5046033	CP1325-AL	Cap, Aluminum	1

*: Available in Spare Parts Kit ONLY #5168190
(Mfg. #: PK-AB43-AL-KIT)

◆◆: Only Available in Complete Handgun Assembly

Exploded View: TSSK-300 (5301337)

Refer to Parts List next page for Part Numbers

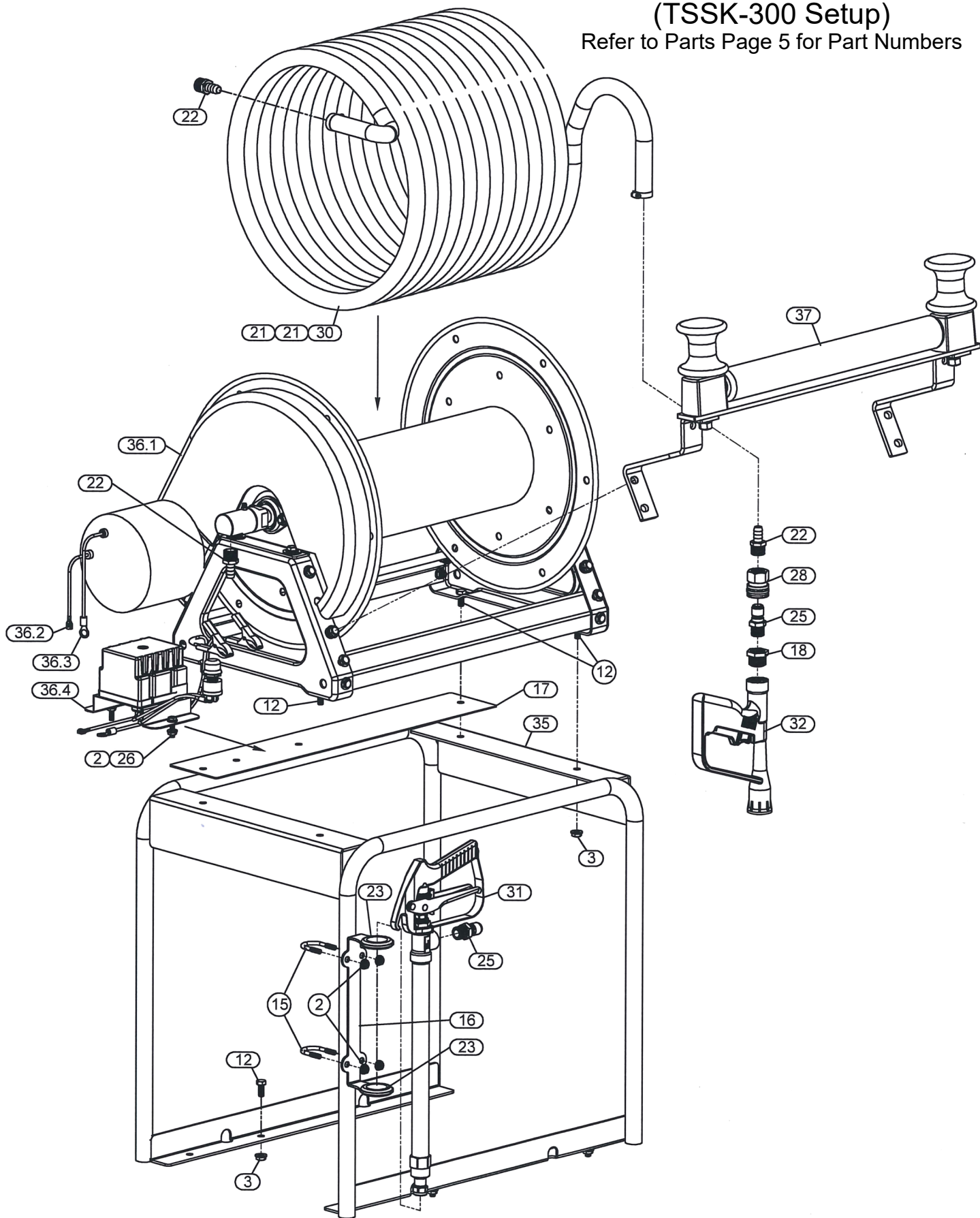


Parts List: TSSK-300 (5301337)

Ref. #	Part #	Description	Qty.	Ref. #	Part #	Description	Qty.
1	5006259	3/8"-16nc Hex Flanged Whiz Nut, Grade 5	1	30	5153097	Hose, 1/2" PVC 600# (Yellow) x 300'	1
2	5006306	1/4"-20nc Hex Flanged Whiz Nut, Grade 5	6	31	5163005	GunJet Spray Gun (AA43H-AL6)	1
3	5006307	5/16"-18nc Hex Flanged Whiz Nut, Grade 5	12	32	5163038	Lawn Spray Gun w/3.0 Black Nozzle	1
4	5006337	1/2-13 Hex Whiz (Flange) Locknut	8	33	5169081	300 Gallon Elliptical Tank (White)	1
5	5010209	Poly Elbow, 3/4" MPT x 3/4" HB		33.1	63485	16" Tank Lid & Ring w/Blue Snap-In Vent	1
6	5010215	Poly Elbow, 1-1/4" MPT x 1" HB	1	34	5273183	Saddle Weldment	1
7	5020191	Hose, 3/4"-2 Brd. x 54"	1	35	5274195	Reel Mount Weldment	1
8	5020398	Hose, 1"-2 Brd. x 18"	1	36	5274309	Electric Hose Reel Assembly	1
9	5020487	Hose, 1"-2 Brd. x 42"	1	36.1	5272183	Electric Hose Reel	1
10	5020488	Hose, 1/2" Yellow PVC. x 60"	1	36.2	5157065	1/4" Female Push-On Terminal (10-12 Ga.)	1
11	5034691	1/2"-13 x 1-1/4" Fling Hex Bolt, Grade 5	4	36.3	5157063	Ring Terminal Lug, 3/8" (10-12 Ga.)	1
12	5117323	5/16"-18nc x 3/4" Fling Hex Bolt	8	36.4	5275416	Electric Components Assembly	1
13	5034638	5/16-18 x 1-1/2" Fling Hex Bolt	4	37	5274371	Roller & Spool Assembly	1
14	5034111	1/2" x 6" J-Hook Bolt	4	38	5275905	Diaphragm Pump/Honda Engine Assembly	1
15	5034197	Round U-Bolt, 1/4"-20 x 1" x 3/4"	2	38.1	5152058	160cc Honda Engine w/Recoil Start (3/4" Shaft)	1
16	5038637	Handgun Holder Bracket	1	38.2	5274358	3-Diaphragm Pump (9910-D403GRGI)	1
17	5038705	Electric Hose Reel Mounting Bracket	1	39	5277601	Strainer Assembly	1
18	5041078	Poly Reducing Bushing, 3/4" MPT x 1/2" FPT	1	39.1	5038258	Strainer Bracket	1
19	5051024	Hose Clamp, 3/4"	2	39.2	5006307	5/16"-18nc Hex Flanged Whiz Nut, Grade 5	4
20	5051025	Hose Clamp, 1"	4	39.3	5034065	Round U-Bolt, 5/16"-18 x 1-1/2" x 2-3/16"	2
21	5051114	Hose Clamp, 1/2"	4	39.4	5116213	Strainer	1
22	5067052	Steel Fitting, 1/2" MPT x 1/2" HB	3	39.4.1	3351-0039	Strainer Bowl	1
23	5075014	Rubber Grommet (Black)	2	39.4.2	5116131	Strainer Screen (40 Mesh)	1
24	5102071	Poly Pipe Plug, 3/4" MPT	2	39.4.3	5072299	Strainer EPDM Gasket	1
25	5102121	SS Quick Connector Male Coupler Plug	2	39.4.4	3351-0038	Strainer Cap	1
26	5117301	1/4-20 x 1" Hex Flange Screw	2	39.5	5067128	Poly Fitting, 3/4" MPT x 1" HB	2
27	5117307	H.H.C.S. Flanged 3/8"-16nc x 1"	1	39.6	5011140	Poly Close Nipple, 3/4" MNPT	1
28	5126003	Ss Quick Connector Female Coupler Socket	1	39.7	5143206	3/4" Single Union Ball Valve	1
29	5133227	Tank Strap	2	40	5274303	500/300/200 Gallon Skid (Red)	1

Troubleshooting Guide		
Symptom	Probable Cause(s)	Corrective Action
The pump does not draw water	One or more valves are seating improperly. Suction line is plugged or collapsed. Clogged strainer.	Examine the valve seatings and clean them. Examine suction line. Clean Strainer.
Pressure gauge fluctuates excessively	The pump is sucking in air through the suction line or air has not entirely evacuated from the pump.	Examine the suction hose and make sure it is firmly secured. Run the pump with the outlet line open to purge air from pump.
The liquid flow is irregular	One or more valves are seating improperly.	Examine the valve seatings and clean them.
Output drops and the pump is noisy	Oil level is too low.	Add oil to the proper level.
Oil comes out of the discharge port	One or more diaphragms are split.	Drain the pump of oil. Dismantle the heads and fit new diaphragms. Fill to correct oil level with motor oil (SAE 30)

Hose Reel (misc.)
Components
(TSSK-300 Setup)
Refer to Parts Page 5 for Part Numbers



NOTES:

Warranty Info

LIMITED WARRANTY FOR NEW FIMCO, INC.

WHO MAY USE THIS LIMITED WARRANTY. This limited warranty (the "Limited Warranty") is provided by Fimco, Inc. to the original purchaser ("you") of the Equipment (as defined below) from Fimco, Inc. or one of Fimco, Inc.'s authorized dealers. This Limited Warranty does not apply to any subsequent owner or other transferee of the Equipment. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

WHAT THIS LIMITED WARRANTY COVERS AND FOR HOW LONG. Fimco, Inc. warrants that any registered new Equipment will be free from defects in material and workmanship for a period of **one (1) year** (homeowner), **90 days** (commercial user), after delivery of the Equipment to you (the "Warranty Period"). The Warranty Period is not extended if Fimco, Inc. repairs or replaces the Equipment.

WHAT IS NOT COVERED BY THIS LIMITED WARRANTY. This Limited Warranty does not apply to: (1) used Equipment; (2) any Equipment that has been altered, changed, repaired or treated since its delivery to you, other than by Fimco, Inc. or its authorized dealers; (3) damage or depreciation due to normal wear and tear; (4) defects or damage due to failure to follow Fimco, Inc.'s operator's manual, specifications or other written instructions, or improper storage, operation, maintenance, application or installation of parts; (5) defects or damage due to misuse, accident or neglect, "acts of God" or other events beyond Fimco, Inc.'s reasonable control; (6) accessories, attachments, tools or parts that were not manufactured by Fimco, Inc., whether or not sold or operated with the Equipment; or (7) rubber parts, such as tires, hoses and grommets.

HOW TO OBTAIN WARRANTY SERVICE. To obtain warranty service under this Limited Warranty, you must (1) provide written notice to Fimco, Inc. of the defect during the Warranty Period and within **thirty (30) days** after the defect becomes apparent or the repair becomes necessary, at the following address: Fimco, Inc., 1000 Fimco Lane, North Sioux City, SD 57049; and (2) make the Equipment available to Fimco, Inc. or an authorized dealer within a reasonable period of time. For more information about this Limited Warranty, please call: **800-831-0027**

WHAT REMEDIES ARE AVAILABLE UNDER THIS LIMITED WARRANTY. If the conditions set forth above are fulfilled and the Equipment or any part thereof is found to be defective, Fimco, Inc. shall, at its own cost, and at its option, either repair or replace the defective Equipment or part. Fimco, Inc. will pay for shipping and handling fees to return the repaired or replacement Equipment or part to you.

LIMITATION OF IMPLIED WARRANTIES AND OTHER REMEDIES. THE REMEDIES DESCRIBED ABOVE ARE YOUR SOLE AND EXCLUSIVE REMEDIES, AND FIMCO, INC.'S SOLE LIABILITY, FOR ANY BREACH OF THIS LIMITED WARRANTY. TO THE EXTENT APPLICABLE, ANY IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED IN DURATION TO THE WARRANTY PERIOD, AND THE REMEDIES AVAILABLE FOR BREACH THEREOF SHALL BE LIMITED TO THE REMEDIES AVAILABLE UNDER THIS EXPRESS LIMITED WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN NO EVENT SHALL FIMCO, INC.'S LIABILITY UNDER THIS LIMITED WARRANTY EXCEED THE ACTUAL AMOUNT PAID BY YOU FOR THE DEFECTIVE EQUIPMENT, NOR SHALL FIMCO, INC. BE LIABLE, UNDER ANY CIRCUMSTANCES, FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES OR LOSSES, WHETHER DIRECT OR INDIRECT. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.