



INTREPID 16 FMS 16 GALLON WET/DRY VACUUM WITH FRONT MOUNT SQUEEGEE

INTRODUCTION

OPERATING & MAINTENANCE INSTRUCTIONS

READ THIS BOOK

This operator's book has important information for the use and safe operation of this machine. Read this book carefully before starting the machine. Keep this book and tell all operators to read the book. If you do not follow the instructions, you can cause an injury or damage equipment, furniture or buildings.

For new books write to:

*Triple S
2 Executive Park Drive
Billerica, MA 01862*

Carefully inspect all components to ensure that there is no concealed freight damage. If such damage is discovered, file a "CONCEALED DAMAGE REPORT" immediately with the delivering carrier.

The contents of this manual are based on the latest product information available at the time of publication. **Triple S** reserves the right to make changes or improvements to its machines without notice.

FOR YOUR CONVENIENCE, RECORD THE FOLLOWING IMPORTANT INFORMATION:

MODEL _____

SERIAL NUMBER _____

PART NUMBER _____

DATE PURCHASED _____

IMPORTANT SAFETY INSTRUCTIONS

To assure the safe operation of this machine, you must read and understand all warnings and instructions in this book. If you do not understand, ask your supervisor.

READ ALL INSTRUCTIONS BEFORE USING THIS MACHINE

WARNING: To reduce the risk of fire, electric shock, or injury:

1. You must be trained to operate this machine. This machine is to be operated for its intended use only.
2. Do not operate this machine unless it is completely assembled.
3. Always use a three-wire electrical system connected to the electrical ground. For maximum protection against electrical shock, use a circuit that is protected by a ground fault circuit interrupter. Consult your electrical contractor.
4. To prevent electric shock, always remove the electrical plug from the electrical outlet before doing any repairs or maintenance and when leaving the machine unattended.
5. To prevent electric shock, keep the machine surface dry. Do not subject to rain. Store the machine in a dry building area. Clean the machine with a dry cloth only.
6. Machines can cause an explosion when near flammable materials and vapors. Do not use this machine with or near fuels, grain dust, solvents, thinners, or other flammable materials. Do not use flammables to clean this machine.
7. A qualified or authorized person must do maintenance and repairs.
8. If the machine is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center
9. To avoid damage to the machine's electrical cord, always lift the machine over the cord. Do not run the machine over the electrical cord.
10. Make sure all labels, decals, warnings, cautions and instructions are fastened to the machine.

Grounding Instructions

This machine must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This machine is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING - Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the machine - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

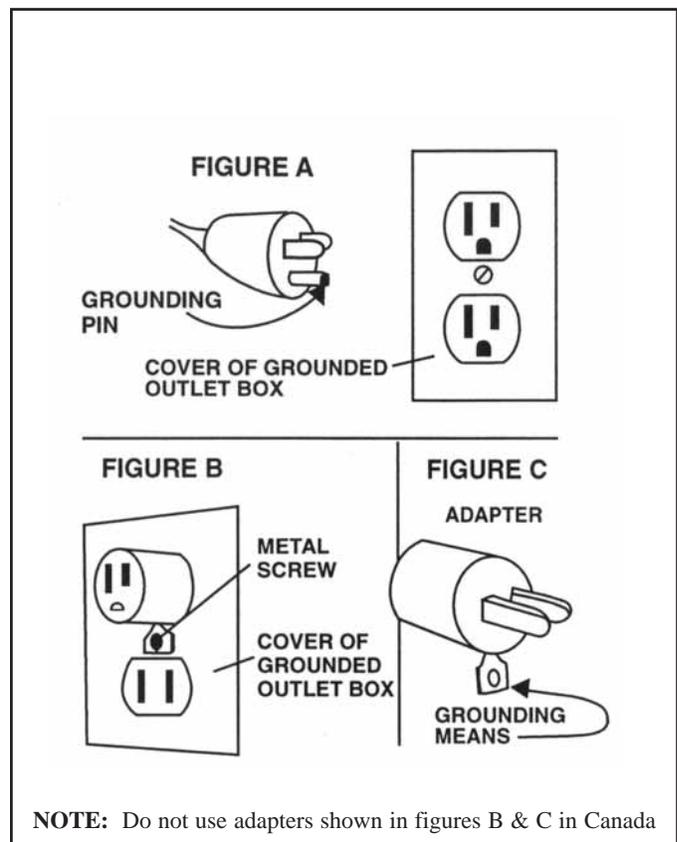
This machine is for use on a nominal 120-volt circuit, and has a grounded plug that looks like the plug illustrated in figure A. A temporary adapter that looks like the adapter illustrated in figures B and C may be used to connect this plug to a 2-pole receptacle as shown in figure B if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet (figure A) can be installed by a qualified electrician. The green colored rigid ear, lug, or the like extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adapter is used, it must be held in place by a metal screw.

NOTE: In Canada, the use of a temporary adapter is not permitted by the Canadian Electrical Code

EXTENSION CORDS

Use only three-wire 12/3 or larger gauge approved extension cords that have three-prong grounding type plugs and three-pole receptacles that accept the appliance's plug. Replace or repair any damaged cords or plugs.

When servicing, refer to authorized person only. Use only identical replacement parts.



OPERATING & MAINTENANCE PROCEDURES

WARNING! - For the safe operation of this machine follow instructions given in this booklet and the training given by your supervisor. Failure to do so can result in personal injury and/or damage to machine and property!

DO NOT OPERATE MACHINE IN AN EXPLOSIVE ENVIRONMENT!

WARNING! - NEVER USE THIS MACHINE TO PICK UP VOLATILE OR EXPLOSIVE MATERIALS.

OPERATION

To prepare the machine for operation, make sure it is of the correct voltage and properly assembled. If in doubt, ask your supervisor.

This machine in its original configuration is designed for wet/pick up utilizing the front mount squeegee but for convenience a dry filter bag has been included to enable you to use this unit for various functions. A tool kit must be ordered as an accessory for dry pick up.

To assemble your unit:

Unpack your unit from its shipping carton. Locate the front mount squeegee assembly & hose assembly (see page 8). The squeegee assembly mounts to the unit by sliding the support bracket (item 15 on page 8) attached to the front mount squeegee onto the squeegee mounting bracket located at the base of the tank at the front of your unit. Position the front mount squeegee in the center position and then lock the assembly onto the unit by turning the locking knob (item 8 on page 8) to the right until firmly tightened. Depending on your application, you can also offset the front mount squeegee further to the right or left to get under toe kicks. Attach the hose assembly by pushing the button on the coupler located at the front of your tank (item 25 on page 6) and inserting the vac end adapter (item 1 on page 8) into the coupler and releasing the button to lock it in. Then slide the other hose end into the port located at the top of the front mount squeegee. You would reverse this process to remove the front mount squeegee for transport.

To adjust the downward pressure on your front mount squeegee you can turn the adjusting knob (item 9 on page 8) to create more downward pressure (clockwise turns) or less downward pressure (counter-clockwise turns) until your squeegee is moving across the floor at your preferred height.

Additional squeegee height adjustment can be made by turning the caster knobs (item 19 on page 8) on the

front mount squeegee to increase or decrease the caster height which would raise or lower the squeegee height.

FOR WET PICK UP:

“Wet” refers to liquids such as water, scrub solutions and detergents, **NOT** volatile or explosive materials.

1. Release the clamps on the sides of the tank and head assembly. Lift the head assembly off and set it aside.
2. Then lift the cloth filter assembly out of the collector tank. Store the filter assembly for future, dry pick up use. **DO NOT RE-INSTALL.**
3. Empty the collector tank of all dust and debris. Also wipe the inside of the collector tank to remove clinging dust.
4. Check the float shut-off device on the lower portion of the head assembly. The float should have free movement. When the recovered liquid soilage reaches the collector tank capacity, the float will rise to shut off the air flow, stopping the liquid recovery. This prevents damaging over flow and signals the operator when to empty the collector tank.
5. Replace the head assembly and fasten the clamps. Attach the short vacuum hose to both the coupler on the tank and to the front mount squeegee.
6. Plug the power cord into a 120-volt grounded outlet.
7. Turn the machine’s motor on by pressing the rocker switch that is located on the head assembly.

FOR DRY PICK UP:

“Dry” refers to material such as dust, dirt, debris and dry foam shampoo.

1. Release the clamps on the sides of the tank and head assembly. Lift the head assembly off and set it aside.
2. The lift the cloth filter assembly out of the collector tank. Clean the cloth filter if needed (reference the “Maintenance” section).
3. Empty the collector tank of all dust and debris. If the debris is wet, empty and dry the inside of the tank thoroughly.
4. Place the cloth filter assembly back into the collector tank.
Check for a good seal around the outer filter lip and tank rim.
5. Replace the head assembly and fasten the clamps. Attach the hose, wand and floor tool of choice. Note: Tool kit must be ordered as an accessory for this model.
6. Plug the power cord into a 120-volt grounded outlet.
7. Turn the machine’s motor on by pressing the rocker switch that is located on the head of the assembly.

MAINTENANCE

Good maintenance procedures assure better operation, fewer repairs and longer life for your machine.

WARNING! - Always disconnect the machine's electrical plug from the electrical outlet before doing any clean up, repairs or maintenance of the machine and when leaving the machine unattended.

CLEAN THE MACHINE AFTER EACH USE:

1. Wipe the outside with a clean, dry cloth.
2. Clean the collector tank: Release the clamps on each side of the tank and head assembly. Lift the head assembly off and set aside. Lift the filter assembly out of the collector tank and set aside. Then wipe the inside of the collector tank with a clean, dry cloth.
3. Empty and check the filter assembly: Empty the recovered soilage into a suitable container and shake to remove clinging dirt. Brush the outside of the filter bag to remove embedded dirt. Check the filter assembly for tears or holes; repair or replace if necessary. Install the clean filter assembly into the clean collector tank.

ELECTRICAL CABLE:

Check the cord for any nicks, cuts or damage. Report these to your supervisor for correction.

VACUUM HEAD ASSEMBLY:

1. Gaskets: Clean the Vacuum Head gasket and the float shut-off gasket.
2. Float Shut-Off Device: This should move freely. Remove any debris or strings from the float cage.
3. Head Assembly: Replace and leave ajar if the collector tank is damp to prevent mildew.

WHEELS AND CASTERS:

Check these for cuts and nicks. Remove any strings or debris that may restrict the free movement of the wheels. Wipe the treads clean.

CARBON BRUSH INSPECTION:

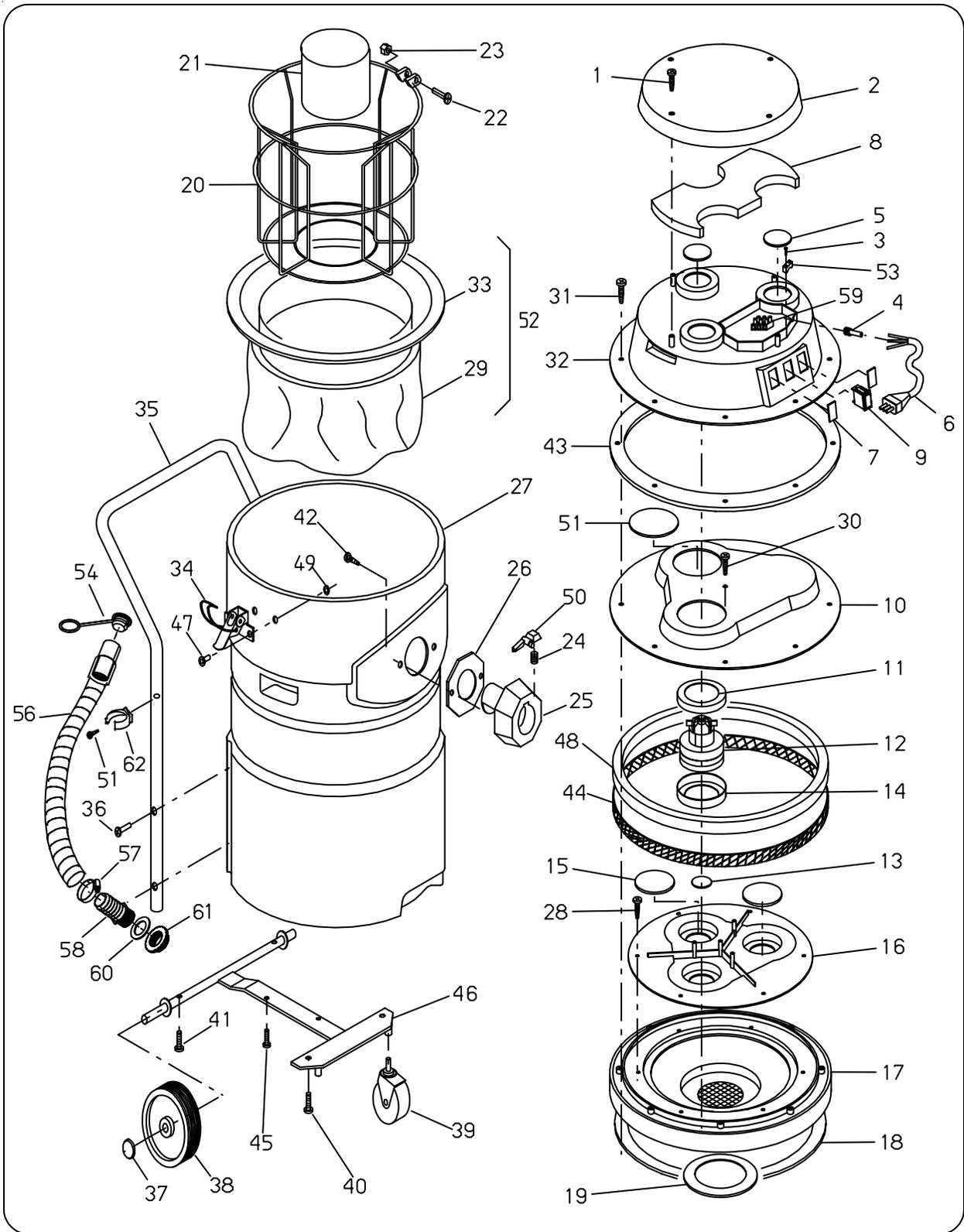
Check for wear at six month intervals or every 600 hours of operation. The carbon brushes must be replaced if worn shorter than 3/8 inch.

TROUBLE SHOOTING:

FAULT	CAUSE	REMEDY
Vacuum motor does not start	No electrical power	Check fuse, cable, plug and socket
Suction slowly decreases	Filter, nozzle, suction hose or extension tube blocked	Check and clean
Suction suddenly decreases	The dust bag is full or the tank is full	Turn off the vacuum and empty
Dust escapes when cleaning	Filter incorrectly placed or defective	Check filter sealing. Replace filter

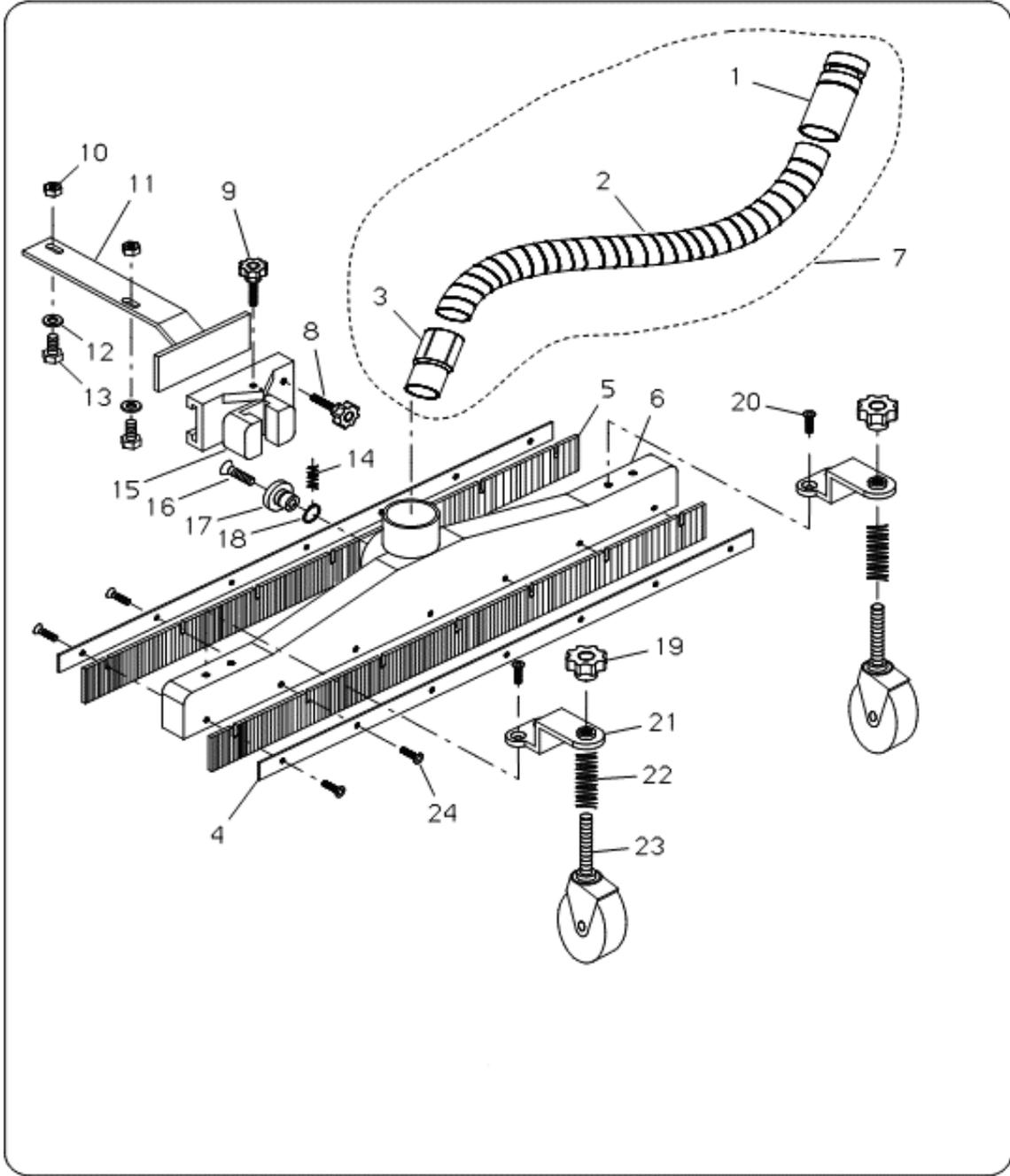
NOTES

Intrepid 16 FMS Body Assembly



PARTS LISTING

ITEM	PART NO.	DESCRIPTION	QTY.	ITEM	PART NO.	DESCRIPTION	QTY.
1		Screw	4	32	602350	Cover, Motor	1
2	601550	Cap, Dome	1	33	See item 52	Ring, Filter	1
3	964165	Screw	2	34	602010	Clamp, Lid	2
4	608511	Strain Relief	1	35	603909	Handle, Transport	1
5		Insert, Motor Intake	2	36	964166	Screw	4
6	908104	Cord, 14-3 SJTW, 50 Feet	1	37		Cap, Wheel Shaft	2
7	604610	Insert, Switch Blank	2	38	609713	Wheel, Non-Marking	2
8	608513	Standoff	1	39	609714	Caster	2
9	608010	Switch	1	40	964167	Screw	2
10	600220	Adapter, Upper Motor	1	41	964166	Screw	2
11	603410	Gasket, Motor, Upper	1	42		Screw	2
12	605210	Motor, Vacuum	1	43	607302	Ring	1
13	604612	Spacer, Vacuum Motor Intake	1	44	605701	Ring	1
14	603410	Gasket, Motor, Upper	1	45	964168	Screw	2
15	604613	Insert, Motor Intake	2	46	601308	Base, Carriage	1
16	600221	Adaper, Middle Motor	1	47	930010	Rivet	4
17	600222	Adapter, Lower Motor	1	48	607303	Ring	1
18	603421	Gasket, Lower Adapter 4.5 Feet	1	49		Washer	4
19	603422	Gasket, Float	1	50	607210	Retainer, Cord	1
20	602420	Cage, Floart Shut Off	1	51	606801	Plug	1
21	603312	Float, Shut Off	1	52	600540	Bag & Adapter Assembly	1
22	964139	Screw, M5 x 45	1	53	See item 50	Clamp, Cord	1
23		Nut	1	54	606802	Plug, Hose	1
24	608303	Spring, Pawl	1	56	604116	Hose, Drain	1
25	602415	Coupler, Plastic	1	57	602013	Clamp, Hose	1
26	603415	Gasket, Plastic Coupler	1	58	603314	Fitting, Barbed	1
27	608616	Tank, Vacuum	1	59	911267	Board, Terminal	1
28		Screw	6	60	603416	Gasket	1
29	See item 52	Filter Bag	1	61	607304	Ring, Fitting	1
30	964028	Screw, Metric	4	62	602102	Clip, Hose	1
31	964028	Screw, Metric	8				



PARTS LISTING

ITEM	PART NO.	DESCRIPTION	QTY.
1	600206	Adapter, 1 1/2 Hose, Vac End	1
2	604112	Hose, Vacuum w/o Cuffs	1
3	600205	Adapter, 1 1/2 Hose	1
4	601311	Bar, Clamp	2
5	600708	Blade, Rubber	2
6	601806	Casting, Squeegee	1
7	604117	Hose Assembly, Squeegee	1
8	605001	Knob, Lower Adjusting	1
9	605002	Knob, Upper Adjusting	1
10	924021	Nut, M6 Hex SS	2
11		Bracket, Squeegee Mount	1
12		Washer	2
13		Screw	2
14	608302	Spring, Squeegee Tension	1
15	600802	Bracket, Support	1
16	964199	Screw, M8 x 30mm Flat Head Allen	1
17	601101	Bushing	1
18	602101	Clip, Seeger	1
19	605003	Knob, Caster Adjusting	2
20		Screw	4
21	600803	Bracket, Caster Mounting	2
22	608301	Spring	2
23	609701	Caster	2
24	964246	Bolt, M8 x 35 Hex Zinc	14

WARRANTY POLICY LIMITED WARRANTY

The Triple S 16 gallon wet/dry with front-mounted squeegee has been manufactured, tested and inspected in accordance with specific engineering requirements. This machine is **WARRANTED** to be free from defects in workmanship and materials for periods as follows from the date of purchase.

Five (5) Years Parts, One (1) Year Labor - Polyethylene Components
One (1) Year Parts & Labor - All other components unless excluded below.

This warranty extends to the original user/purchaser and only when used, operated and maintained in accordance with Triple S Operating and Maintenance instructions.

This warranty does not apply to certain wear parts and accessories of the machine such as electrical cords, carbon motor brushes, hoses, tools, squeegee blades, etc., nor does it apply to damage or failure caused by improper use, abuse or neglect. Warranty credit of return parts including motors, etc., is subject to incoming inspection of those items.

To secure repair under this warranty, the following procedure should be taken:

- 1) The inoperative machine or warranted parts must be delivered to the authorized service center with shipping and delivery charges prepaid. If unable to locate a service center, you may contact Triple S at the address listed herein for the location of the nearest repair center or agent or for other instructions pertaining to your warranty difficulty.
- 2) Upon compliance with the above warranty procedure, all warranted repairs will be completed at no additional charge or cost to the user.
- 3) Only Triple S or its authorized dealers and agents may make no charge warranty repairs on this product. All others do so at their own risk.

This warranty limits Triple S liability to the repair of the product and/or warranted parts replacement and does not include incidental or consequential damages arising from the use of a Triple S machine whether defective or not.

This warranty is in lieu of all other expressed or implied warranties and is extended to the original purchaser/user.



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