

Minuteman[®]
Excellence Meets Clean



**Parts and Instruction Manual
X380 Hospital Vacuum
HEPA/ULPA**

This manual is furnished with each new **MINUTEMAN X-380 Hospital Vacuum**. This provides the necessary operating and preventive maintenance instructions. Operators must read and understand this manual before operating or servicing this machine.

This machine was designed to give you excellent performance and efficiency. For best results and minimal cost, please follow the general guidelines below:

- Operate the machine with reasonable care.
- Follow the manufacturers suggested maintenance instructions as provided in this booklet.
- Use original Minuteman supplied parts.

TECHNICAL SPECIFICATIONS

Model	X-380	
Model No.	C81415-01 (115V) C81415-02 (230V)	C81415-03 (115V) C81415-04 (230V) C81455-01 (115V)
Finish	Stainless Steel	Painted
Filter	U.L.P.A.	H.E.P.A.
Tank Size	15 Gal (57 ltr)	15/55 Gal (57/208 ltr)
Wet/Dry	Wet/Dry	Wet/Dry

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OPERATING INSTRUCTIONS

INSPECTION

Carefully unpack and inspect your machine for shipping damage. Each unit is tested and thoroughly inspected before shipment, and any damage is the responsibility of the delivering carrier who should be notified.

WARNING

To avoid electric shock, do not expose to rain, store indoors.

Electric motors can cause explosions when operated near explosive materials or vapors. Do not operate this machine near flammable materials such as solvents, thinners, fuels, grain dust, etc.

SPECIAL WARNING TO PURCHASER

Use of replacement filters not manufactured by Hako Minuteman, Inc. or its designated licensees, will void all warranties expressed or implied. A potential health hazard exists without exact original replacement.

ELECTRICAL

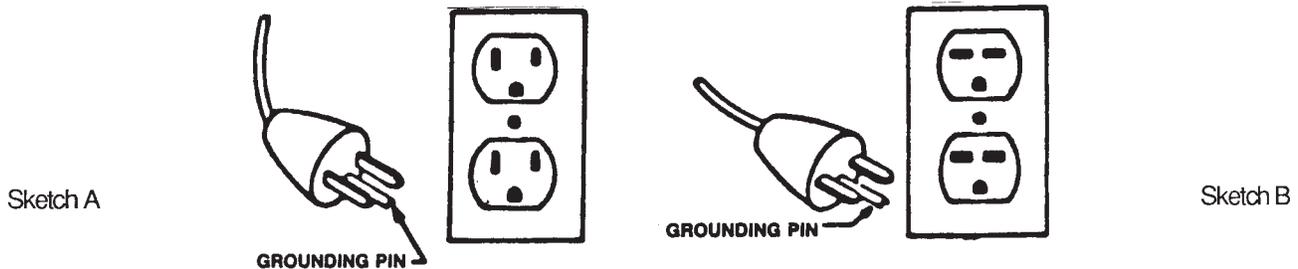
This machine is designated to operate on a standard 15amp 115 volt, 60 hz, AC circuit. Voltages below 105 volts AC or above 125 volts AC could cause serious damage to the motor.

GROUNDING INSTRUCTIONS

To protect the operator from electrical shock, this machine must be grounded while in use. This machine is equipped with an approved three conductor power cord and grounding type plug to fit the proper grounding type receptacle.

This machine is for use on a nominal 120 volt circuit and has a grounding plug that looks like the plug illustrated in Sketch A. Make sure that the machine is connected to an outlet having the same configuration as the plug. No adapter should be used with this machine.

For equipment rated 150-250 volts: If the machine is provided with an attachment plug as shown in Sketch B, it is intended for use on a 240 volt (nominal) circuit. No adapter is available for this plug.



EXTENSION CORDS

If an extension cord is used, the wire size must be at least one size larger than the power cord on the machine and must be limited to 25 feet in length. Extension cord must be three wire grounded.

MAINTENANCE AND USAGE

Keep the motor intake cooling air screen clean. If this screen (on top of the motor) becomes clogged, it restricts the flow of cooling air to the motor and will cause overheating.

No lubrication of the motor is required. Machine is equipped with sealed bearings.

For optimum performance, empty and clean filter bag regularly. A clogged and dirty bag restricts the flow of air and results in reduced vacuum.

Check carbon brush periodically. Replace when worn down to approximately 1/2" in length.

For liquid pick up, remove the dry dust filter bag. Check the automatic shut off to be certain it is working properly.

Do not operate the machine without removing coiled electric cable from around the motor head so as to not restrict the flow of exhausted cooling air and to prevent overheating.

Always unplug the machine when removing the motor head off the tank. This will prevent the accidental starting of the motor and the possibility of fingers or objects getting into the unprotected impeller intake.

OPERATION AND FILTER CARE INSTRUCTIONS

The Minuteman Model X380-15 Hospital Vacuum is a wet/dry recovery vacuum and comes equipped with a H.E.P.A. (High Efficiency Particulate Air) or a U.L.P.A. (Ultra Low Penetration Air) filter and pre-filters which reduce the incidence of airborne dust and bacteria that would be created by any other method of cleaning.

Do not, at any time, attempt to bypass, remove, substitute, or by any other means change the filters used in this vacuum. Use only Minuteman filters and prefilters for replacements.

Before attempting to use and before cleaning, be certain that you fully understand the instructions given for the setting up or cleaning/changing of filters of this vacuum.

Since each facility has its own individual and unique cleaning problems, it is suggested that you check with your housekeeping supervisor to determine the length of time between filter changes and disposal of debris.

TANK/FILTER SET UP PROCEDURE FOR DRY PICKUP

(Refer to "Dry Pickup Assembly")

1. Take the paper filter protector bag, item 3, and insert it into the tank. Snap the elastic band around the rim of the tank (about two inches of the bag should be outside the tank).
2. Place the cloth filter bag, item 2, onto and into the tank using the formed rubber gasket as a guide. Press down firmly onto the tank rim.
3. Position vacuum lid assembly, item 1, onto the tank making sure the gasket of the lid is seated onto the rubber ring of the cloth bag frame completely around the tank.
4. Snap the tank lid latches into place locking down the lid assembly. Vacuum is ready for use.

PROCEDURE FOR CLEANING VACUUM AND DISPOSING OF DEBRIS

1. Unplug machine from power source.
2. Loosen lid latches and carefully remove vacuum lid only.
3. Remove cloth filter bag from tank.
4. Carefully remove paper filter bag protector from around tank rim and place into disposal bag or container.
5. Empty vacuum tank debris into disposal bag or container as recommended by your housekeeping department.
6. Check and replace pre-filter on outside of filter as may be required. Check filter each time you empty vacuum tank. Premature loading of pre-filter may indicate that cloth filter bag or filter bag protector may be torn or inadvertently left out of vacuum.
7. Reassemble vacuum by following set up procedure for dry pickup above.

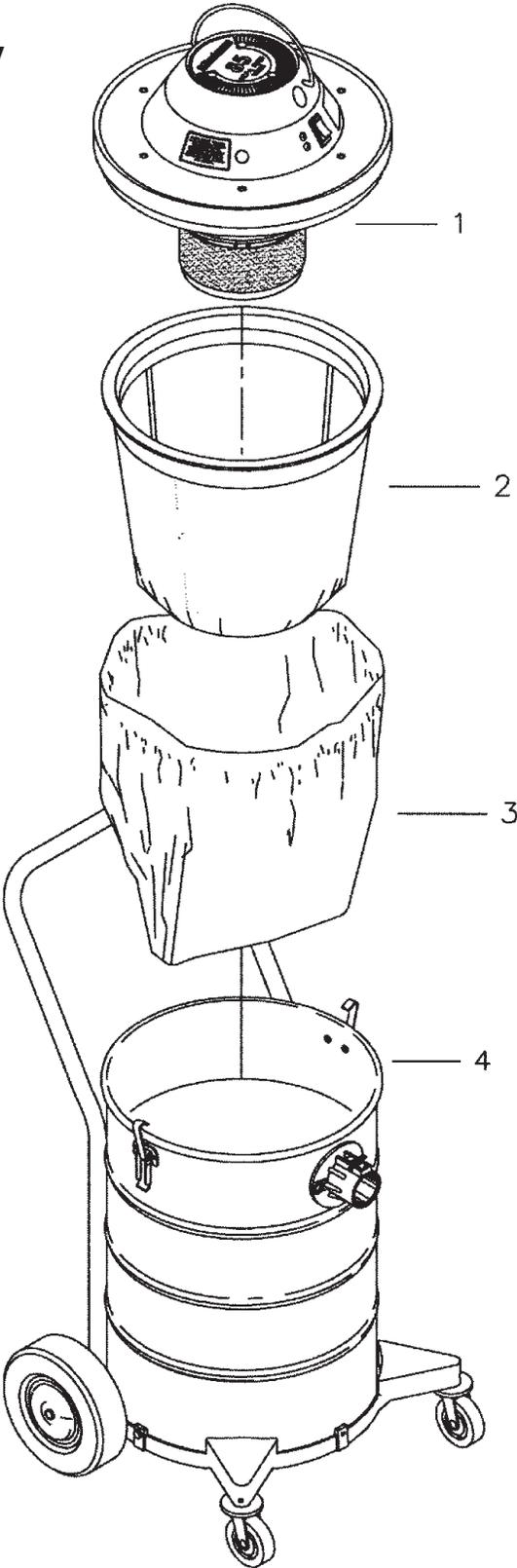
SET UP PROCEDURE FOR WET PICKUP

(Refer to “**Wet Pickup Assembly**”)

1. Loosen lid latches and remove vacuum lid from tank.
2. Remove filter bag and filter bag protector from tank.
3. Empty tank of all debris. Wipe down inside of tank with wet towels to remove all traces of dust.
4. Place water shut off assembly #6 into tank, centering gasket around tank rim.
5. Place ring adaptor #5 onto tank and clamp down with lid latched on tank.
6. Before placing vacuum motor lid assembly #1 onto tank, check to be sure there is a clean pre-filter on the outside of the filter. Place motor lid on tank and secure with lid latches.
7. Water shutoff will allow you to recover approximately 10 gallons of water before you are required to empty tank.
8. To empty tank, remove vacuum lid assembly, adaptor and water shutoff. An optional dump valve is available for installation on the vacuum tank.
9. When converting vacuum to dry recovery, the tank must be completely dry before installing filter bag protector and cloth bag filter.
10. The Lint trap bag (refer to “**Water Shut Off Assembly**”), should be removed and rinsed out when necessary. Detach and remove the spring retainer to remove bag.

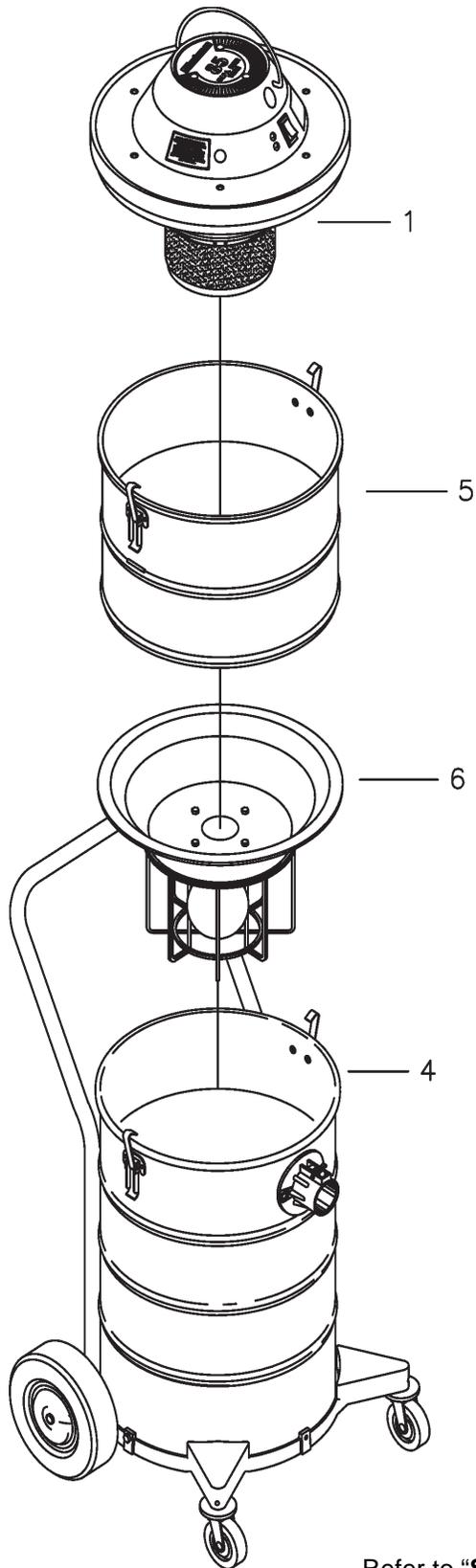
Exploded Views

Dry Pickup Assembly



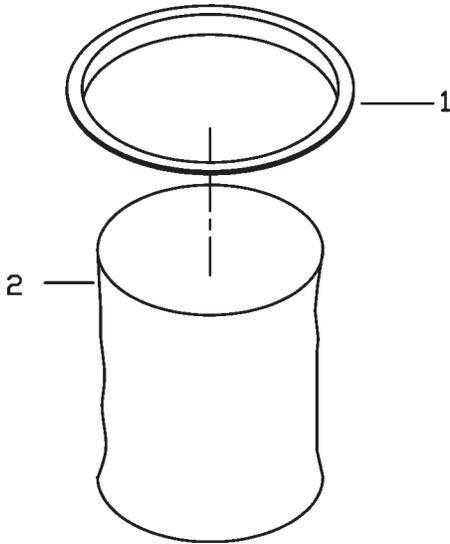
Refer to "Set Up Procedure for Dry Pickup"

Wet Pickup Assembly



Refer to "Set Up Procedure for Wet Pickup"

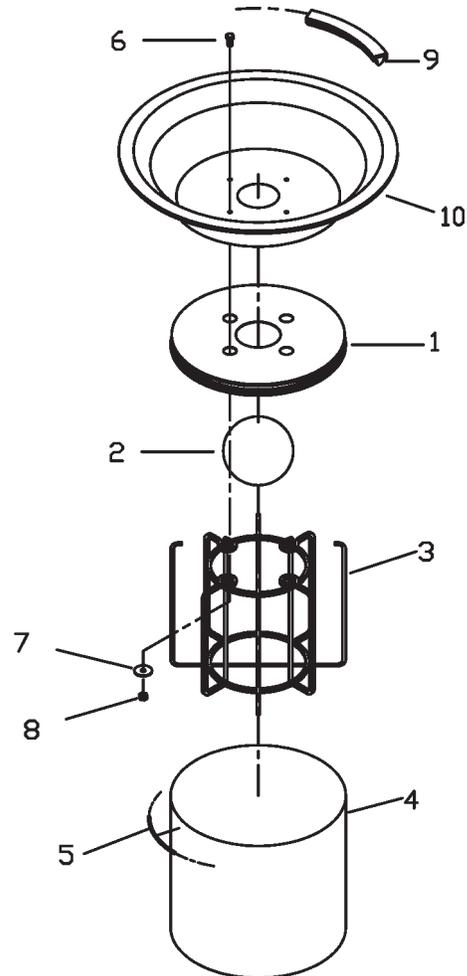
Cloth Bag Assembly



BILL OF MATERIAL - 805058

ITEM	PART NO.	REQ'D	DESCRIPTION
1	760131	1	MOLDED BAG RING- BLACK
2	805054	1	BAG, CLOTH BAG ONLY NEW STYLE

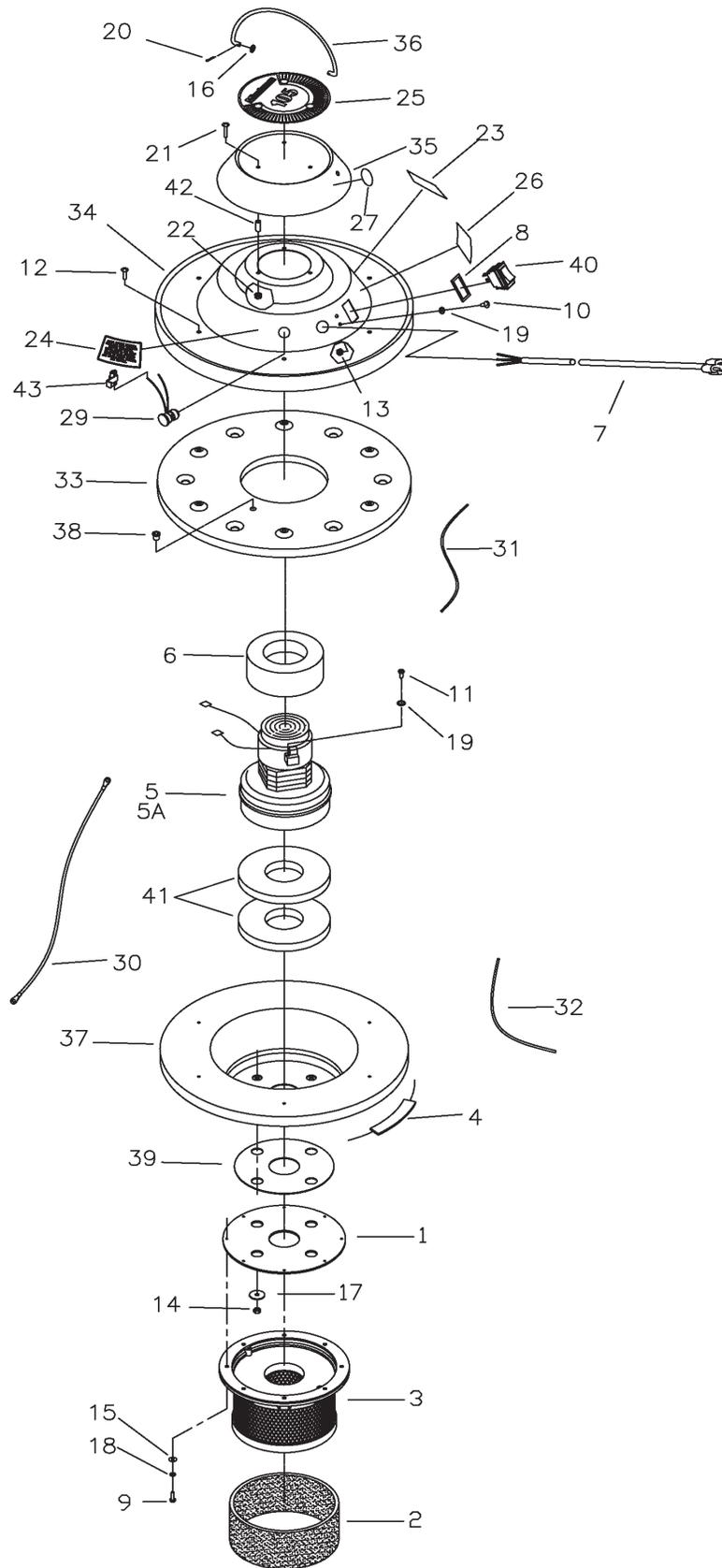
Water Shut-off Assembly



BILL OF MATERIAL - 110408

ITEM	PART NO.	REQ'D	DESCRIPTION
1	760231MCH	1	RING,BAG RETAINING
2	380046	1	BALL, HOLLOW RUBBER
3	380045CTD	1	CAGE FLOAT ASY
4	760234	1	BAG, LINT TRAP FILTER 10 X 9 1
5	760260	1	SPRING-RETAINER BAG
6	711203	4	BLT-HH 1/4-20 X .62
7	711519	4	WSR-FLT .25 X 1.01 X .06
8	711373	4	NUT-NYLOC 1/4-20
9	800273	1	GASKET, BAG RING EXP
10	829779	1	LIQ SHUTOFF PLATE GALVAN
11	384005	1	TUBE,INTAKE ZINC PLT

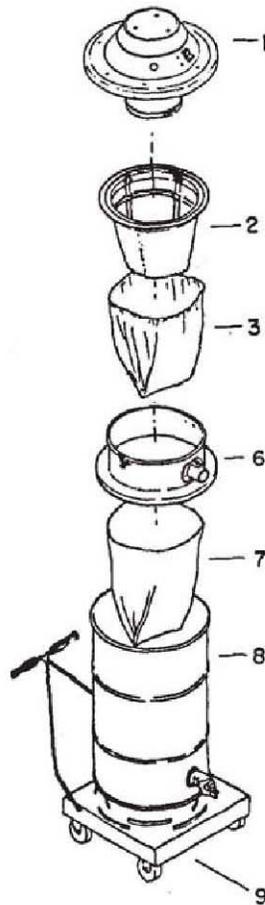
Lid Assembly



ITEM	PART NO.	REQ'D	DESCRIPTION
1	110003	1	MOUNTING PLATE
2	110030PKG	1	PREFILTER SLEEVE, PKG OF 6
3	110038	1	FILTER-HEPA
4	290030	1	LID GASKET DIECUT 15G 290
5	255039	1	MOTOR-VAC 120V (ECM)
5A	380054	1	MOTOR-VAC 240V
6	380064	1	RING, FOAM
7	381020	1	CORD-16GA-3 50FT MED GREY
8	450088	1	SPACER-SWITCH, FOAM
9	710329	8	SCR-MC 8-32 X .50 ZINC
10	710355	2	SCR-MC RD HD 10-32 X .50 ZINC
11	711124	1	SCR-ST-B 10 X .37 NI
12	711126	6	SCR-ST-B 10 X .75
13	711310	2	NUT-HEX 10-32 ST PL
14	711373	4	NUT-NYLOC 1/4-20
15	711502	8	WSR-FLT #8
16	711505	2	WSR-FLT 1/4
17	711519	4	WSR-FLT .25 X 1.01 X .06
18	711552	8	WSR-INT LOCK #8
19	711553	3	WSR-INT LOCK #10
20	711803	2	PIN-COTTER .06 X .75
21	712532	3	SCR-MC 10-24 X 1.00 SS
22	712908	3	NUT-FLANGED WIZZ 10-24
23	715029	1	DECAL-NAME PLATE SERIAL
24	715069	1	DECAL-FILTERS CHECK
25	715102	1	DECAL-P/V HEPA 85
25a	715103	1	DECAL-P/V HEPA 105
26	715115	1	DECAL-WARNING PV DRY
27	715501	1	DECAL-MADE IN USA
28	740014	4	QC-14-16G 1/4 FULL INS FEMALE
29	740088	1	SWITCH-VAC LIGHT SENSOR
30	740116	1	16G GRN/YEL 14.50 B=9
31	760212	1	VAC SENSOR TUBE
32	760213	1	VENTURI TUBE
33	760896PLT	1	SHROUD, MOTOR PLATED
34	760897PLT	1	MOTOR COVER PLATED P/V
35	760898PLT	1	CAP MOTOR P/V PLATED
36	760899	1	HANDLE BAIL PIC VAC
37	760903	1	MOTOR LID ASY PV HEPA
38	760904	1	BUSHING-SNUB .375 X .469 X .43
39	760905	1	GASKET, FILTER MOUNTING PLATE
40	809755	1	SWITCH-ROCKER
41	828995	2	GASKET-NEOP 2.5X6X.62
42	831652	3	SPACER-.264 X .344 X .750 ALM
43	832070	2	CONNECTOR
44	831478	1	GASKET, 6 X 7.5 X .37 NEOP
45	831484	1	GASKET, 3.5 X 4.5 X .37

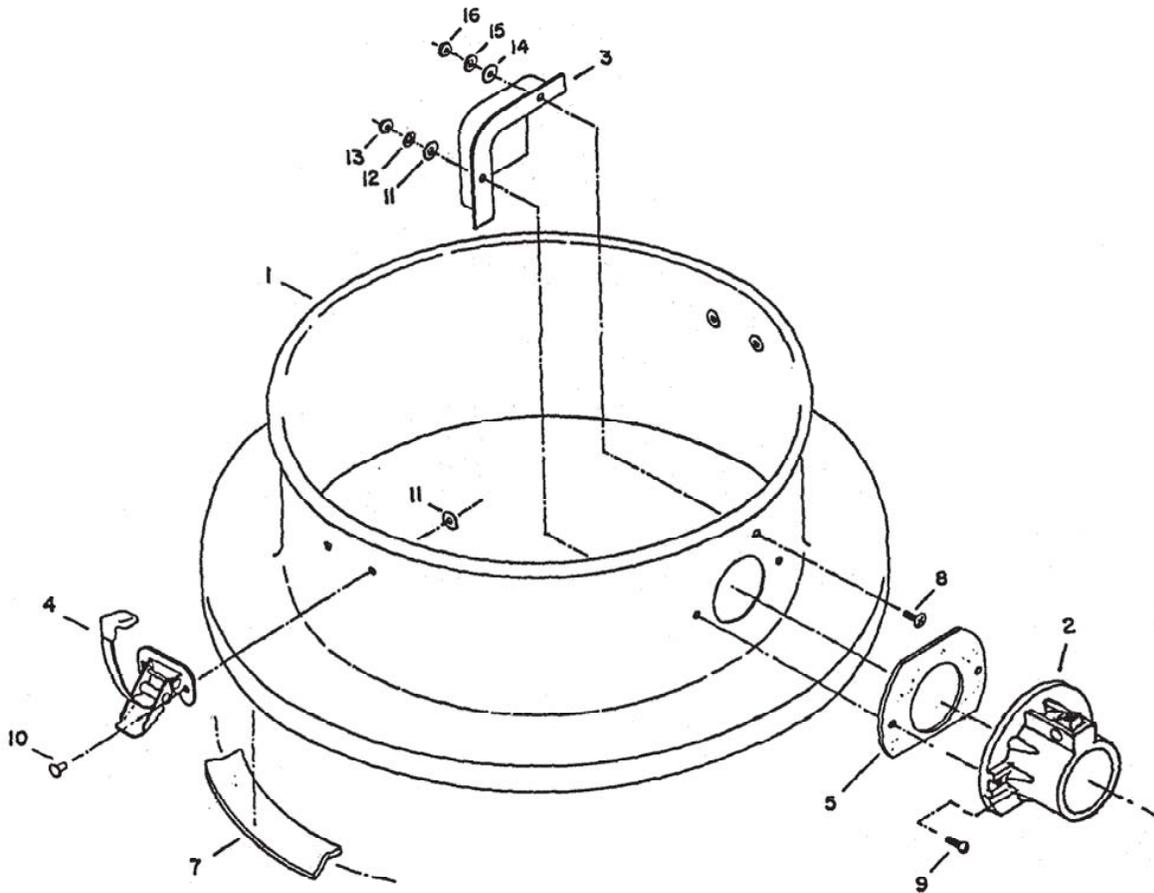
15G Tank Assembly BOM

ITEM	PART NO.	REQ'D	DESCRIPTION
1	130032	2	CAP, RETAINER
2	280016	2	CASTER-3" W/ 3/8 X 5/8 STEM
3	390087	1	GASKET DIECUT VNN
4	390110	1	INTAKE ASSEMBLY ALUMINUM
5	710530	1	SCR-MC 8-32 X .50 BRS
6	711005	4	SK 1/4-20 X .31
7	711006	6	SK 1/4-20 X .62
8	711202	2	BLT-HH 1/4-20 X .50 STL ZINC
9	711352	2	NUT-ACORN 1/4-20 ST N1
10	711372	1	NUT-NYLOC 8-32
11	711502	1	WSR-FLT #8
12	711503	8	WSR-FLT #10
13	711505	2	WSR-FLT 1/4
14	711524	2	WSR-WAVE .52 X .87 X .01
15	711591	4	WSR-RUBBER
16	711594	2	WSR-FLT .56 X .88 X .03 NICKEL
17	711713	2	RET RING-E EXT .50
18	711915	6	RIVET-TUBE .19X.28 NI PL
19	712638	2	NUT HEX 10-24 SS NYLOC
20	712824	2	SCR-MC 10-24 X .75 TRUSS HD ST
21	760984PTD	1	BRKT-WHEEL
22	761054	2	LATCH
23	900003POL	1	TK 15GSS POLISHED
23A	900001PTD	1	TK 15GPTD
24	900008	2	WHEEL-8.00 DIA.
25	900035	1	DEFLECTOR, INTAKE
26	900037PLT	1	HANDLE, PLATED COMMON
27	900038	2	CLAMP, HANDLE
28	900066	2	AXLE
***	750381	1	TK ASY 15GPTD HI DF&WB
***	750382	1	TK ASY 15GSS HI DF&WB



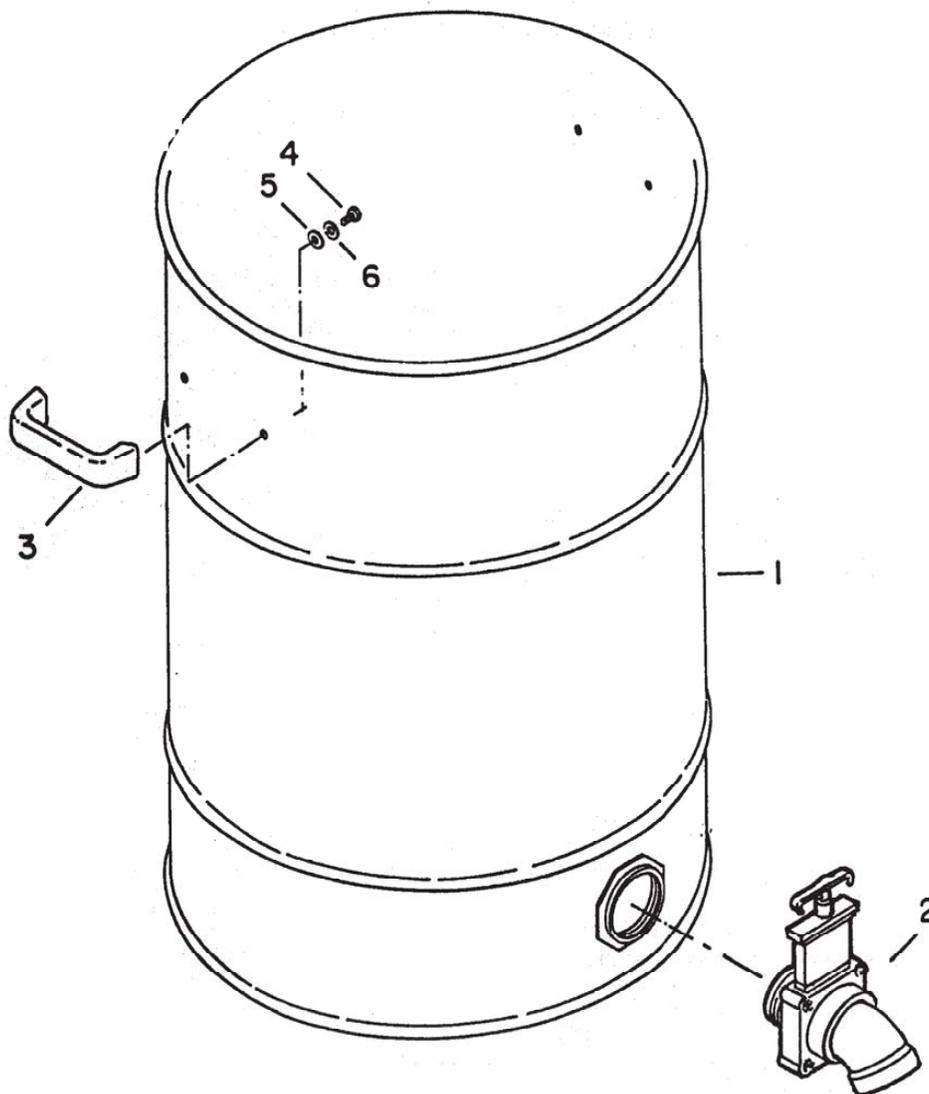
PARTS LIST

Item	Part No.	Qty	Description
1	801085 (85)		Lid Asy Comp
	801105 (105)		Lid Asy Comp
	801130 (130)		Lid Asy Comp
2	805057		Cloth Bag Asy Comp
3	805038 Pkg		Disposable Fliter Protector Pkg of 12
6	C80601-70		Adapter Comp 30 Gallon
	C80601-80		Adapter Comp 55 Gallon
7	805037 Pkg		Drum Liner 30 Gallon
	805046 Pkg		Drum Liner 55 Gallon
8	C90007-80		30 Gallon Drum
	900015 PTD		55 Gallon Drum
9	900048		Dolly Cart Comp 30/55 Gallon



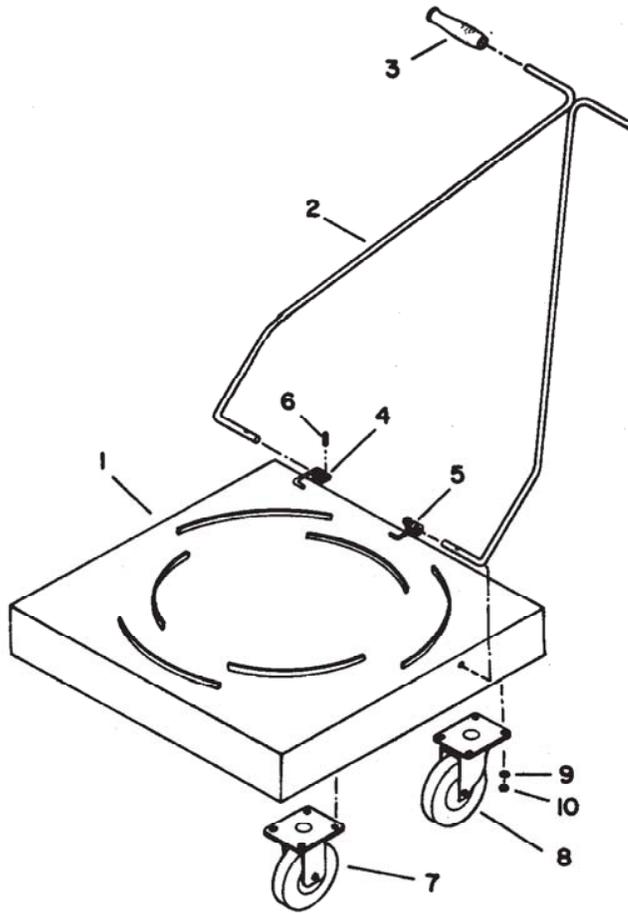
PARTS LIST

Item	Part No.	Qty	Description
1	806016PTD	1	55 Gal. Adapter Painted
1a	806015PTD	1	30 Gal. Adapter Painted
2	390110	1	Intake Assy Aluminum
3	900035	1	Deflector, Intake
4	761054	2	Latch
5	390087	1	Gasket Diecut Poron Intake
7	806006	1	Gasket, Raw
8	710530	1	SCR-MC 8-32 x .50 BR
9	712824	2	SCR-THMS 10-24 x .75 STPL
10	711915	4	Rivet-Tube .19 x .28 NI PL
11	711503	6	WSR-Flat #10
12	711543	2	WSR-Helical #10
13	712638	2	Nut Hex 10/24 SS Nyloc
14	711502	1	WSR-Flat #8
15	711542	1	WSR-Helical #8
16	711304	1	Nut-Hex 8-32 STPL
****	C80601-70		30 Gal. Adapter Assy.
****	C80601-80		55 Gal. Adapter Assy.



PARTS LIST

Item	Part No.	Qty	Description
1	900078PTD	1	Tank 30 Gal. PTD Less Handles
1a	900015PTD	1	Tank 55 Gal. PTD No Handles
2	900047	1	Dump Valve
3	900031POL	2	Handle, Tank Polished
4	711203	4	BLT, HH 1/4-20 x .62
5	711591	4	Washer, Rubber
6	711505	4	WSR, Flat 1/4
***	C90007-80		Tank 30 Gal. Complete
***	805037PKG		Drum Liner 30 Gal. Pkg. 12
***	805046PKG		Drum Liner 55 Gal. Pkg. 12



PARTS LIST

Item	Part No.	Qty	Description
1	750045	1	Weldment dolly 30/55
2	900051	1	Weldment, handle
3	900052	2	Grip, handle
4	900080	1	Spring, torsion RH
5	900081	1	Spring LH
6	711642	2	Rollpin
7	761050	2	Caster, rigid 5"
8	761049	2	Caster, swivel 5"
9	711545	16	WSR, helical Spr Loc 5/16
10	711319	16	Nut-Hex 5/16-18 ST PL
***	900048		Dolly cart complete

Minuteman International Made Simple Commercial Limited Warranty

Minuteman International, Inc. warrants to the original purchaser/user that the product is free from defects in workmanship and materials under normal use. Minuteman will, at its option, repair or replace without charge, parts that fail under normal use and service when operated and maintained in accordance with the applicable operation and instruction manuals. All warranty claims must be submitted through and approved by factory authorized repair stations.

This warranty does not apply to normal wear, or to items whose life is dependent on their use and care, such as belts, cords, switches, hoses, rubber parts, electrical motor components or adjustments. Parts not manufactured by Minuteman are covered by and subject to the warranties and/or guarantees of their manufacturers. Please contact Minuteman for procedures in warranty claims against these manufacturers.

Special warning to purchaser -- Use of replacement filters and/or prefilters not manufactured by Minuteman or its designated licensees, will void all warranties expressed or implied. A potential health hazard exists without original equipment replacement.

All warranted items become the sole property of Minuteman or its original manufacturer, whichever the case may be.

Minuteman disclaims any implied warranty, including the warranty of merchantability and the warranty of fitness for a particular purpose. Minuteman assumes no responsibility for any special, incidental or consequential damages.

This limited warranty is applicable only in the U.S.A. and Canada, and is extended only to the original user/purchaser of this product. Customers outside the U.S.A. and Canada should contact their local distributor for export warranty policies. Minuteman is not responsible for costs or repairs performed by persons other than those specifically authorized by Minuteman. This warranty does not apply to damage from transportation, alterations by unauthorized persons, misuse or abuse of the equipment, use of non-compatible chemicals, or damage to property, or loss of income due to malfunctions of the product.

If a difficulty develops with this machine, you should contact the dealer from whom it was purchased.

This warranty gives you specific legal rights, and you may have other rights which vary from state to state. Some states do not allow the exclusion or limitation of special, incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you.

Cord Electric Group..... Three years parts, two years labor, ninety days travel (Not to exceed two hours)
Exceptions..... Port-A-Scrub, one year parts, six months labor
MPV 13, one year parts
MPV 14 and 18, two years parts, one year labor
RapidAir blower, one year parts, one year labor
Explosion-Proof Vacuum, one year parts, one year labor
Pneumatic Vacuums, three years parts, one year labor

Battery Operated Group..... Three years parts, two years labor, ninety days travel
(Not to exceed two hours)
Exceptions..... Sweepers, one year parts, one year labor, ninety days travel
(Not to exceed two hours)

Internal Combustion Group.... One year parts, one year labor, ninety day travel
(Not to exceed two hours)

Replacement Parts.....Ninety days
Batteries.....0-3 months replacement, 4-12 months pro-rate
Polypropylene Plastic Tanks...Ten years, no additional labor