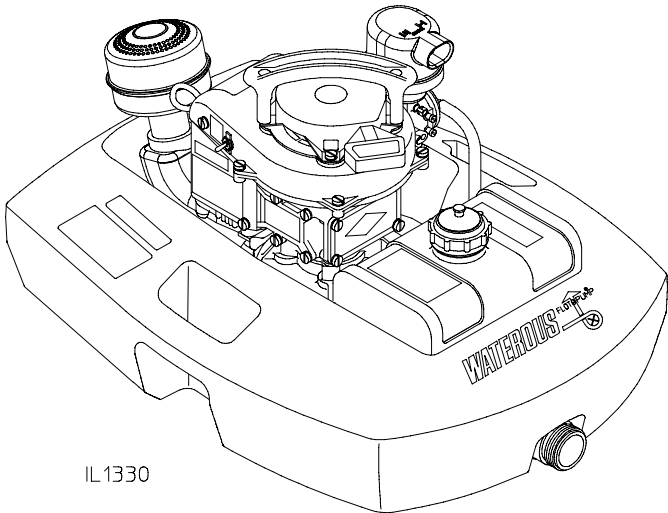


Operation & Maintenance

Floto-pump™ Standard and High Pressure Models

Form No.	Issue Date	Rev. Date
F-2210	02/08/94	10/01/07



IL1330

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Read through the safety and operating instructions carefully before using your Waterous Floto-pump.

WATEROUS

Fire Pumps – Since 1886

Visit us at www.waterousco.com

Before operating your new Floto-pump, read this instruction booklet and view the video.

Waterous offers two types of Floto-Pumps: the standard model and the high pressure model. Although they have two different performance levels and capacities, the operating procedure is essentially the same. The following instructions include operation, maintenance and a list of repair parts for your Floto-Pump. Before operating your Floto-Pump, you need to get the proper fire fighting training and protective clothing.

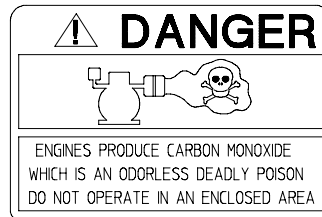
The protective clothing should include a helmet, goggles, ear protection, a mask, leather gloves, boots and a jacket and pants made of a fire resistant, heavy cotton or denim material. Contact your local fire station, your Waterous dealer, or call us at 651-450-5000 to find out how you can get the proper training and protective clothing.

The Floto Pump is designed and intended for use as portable firefighting equipment.

! DANGER

Exhaust gas hazard. Can cause illness or death.

Do not run the engine in an enclosed area. Exhaust gases contain carbon monoxide, an odorless, deadly poison.



! DANGER

Fire or explosion hazard. Can cause personal injury or death.

A fire or explosion may result if the following instructions are not followed:

1. **DO NOT** remove fuel tank cap nor fill fuel tank while engine is hot or running. (Allow engine to cool two minutes before refueling.)
2. If gasoline is spilled, move machine away from the area of the spill and avoid creating any source of ignition until the gasoline has evaporated.
3. **DO NOT STORE, SPILL OR USE GASOLINE NEAR AN OPEN FLAME**, or devices such as a stove, furnace or water heater which utilize a pilot light, or devices which can create a spark.
4. Refuel outdoors or only in well ventilated areas.
5. **DO NOT OPERATE ENGINE WITHOUT A MUFFLER.** Inspect muffler periodically and replace, if necessary.
6. **DO NOT** operate the engine if air cleaner or cover directly over the carburetor air intake is removed.
7. **DO NOT** choke carburetor to stop the engine.
8. **DO NOT** check for spark with spark plug removed (use an approved tester).
9. **DO NOT** crank engine with spark plug removed. (If the engine floods, place throttle in "FAST" and crank until engine starts.)
10. **DO NOT** use the pump to pump flammable liquids.

! WARNING

Death or serious personal injury might occur if proper operating procedures are not followed. The pump operator, as well as individuals connecting supply or discharge hoses to the apparatus must be familiar with these pump operating instructions as well as other operating instructions and manuals for the apparatus, water hydraulics and component limitation.

! WARNING

Pressure Hazard. May result in personal injury.

Prior to connection or removal of hoses, caps or other closures with pump intake or pump discharge connections, relieve pressure by opening drains.

! WARNING

Suction and high pressure hazard.

May cause injuries to the hands, fingers or severe cuts or abrasions to the skin.

Never insert hands or fingers into the intake or discharge openings while engine is running. Never spray high pressure water at a person or animal.

WARNING

Pump overheat hazard.

May cause damage to the pump.

Do not run the pump dry for any extended period of time to prevent the pump from overheating.

IMPORTANT NOTES:

1. Ambient operating temperature range: -32°F to 118°F (-28°C to 48°C)
2. Maximum sound pressure level: 107 dBa @ 1.5 meters
3. Floto Pumps are designed to be carried by one or two people.

⚠ WARNING**Scalding Water Hazard. May result in serious burns.**

When operating the pump, be sure to open at least one discharge valve slightly to prevent the pump from overheating. If the pump runs for a few minutes completely closed, it may heat the water enough to scald someone when the valve is opened. Overheating can damage the packing, seals and other pump parts. If the apparatus builder has installed a by-pass system or other provision designed to prevent overheating, opening a discharge valve may be unnecessary.

⚠ WARNING**Accidental starting hazard. May cause personal injury to the hand, arm or feet.**

Prevent accidental starting by removing the spark plug wire and grounding it when servicing the engine or equipment.

⚠ WARNING**Excessive speed notice. May cause personal injury.**

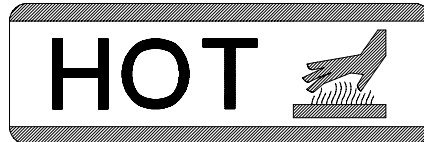
Operating an engine at excessive high speeds increases the danger of personal injury. Do not tamper with the governor springs, governor links or other parts which may cause an increase in governed engine speed. Do not tamper with the engine speed selected by the original equipment manufacturer.

⚠ WARNING**Moving or rotating parts hazard. May cause personal injury.**

Always keep hands and feet clear of moving or rotating parts to prevent injury.

⚠ WARNING**High temperature components. May cause severe burns.**

Do not touch hot mufflers, cylinders or fins as contact may cause burns.

**⚠ WARNING****Kickback notice. May cause injury to hand or arm.**

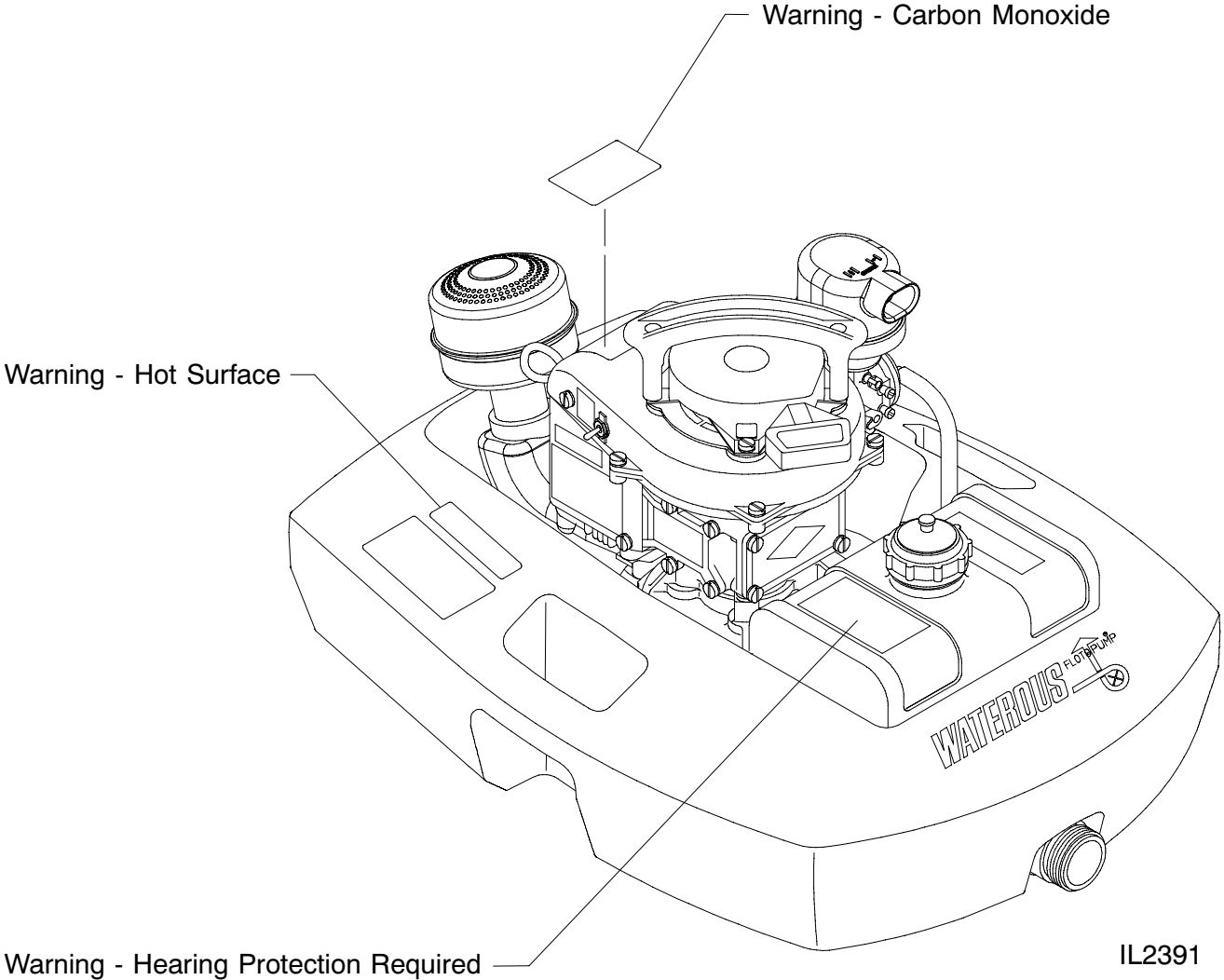
To prevent hand or arm injury, pull the cord slowly until resistance is felt then pull the starter cord rapidly to avoid kickback.

⚠ WARNING

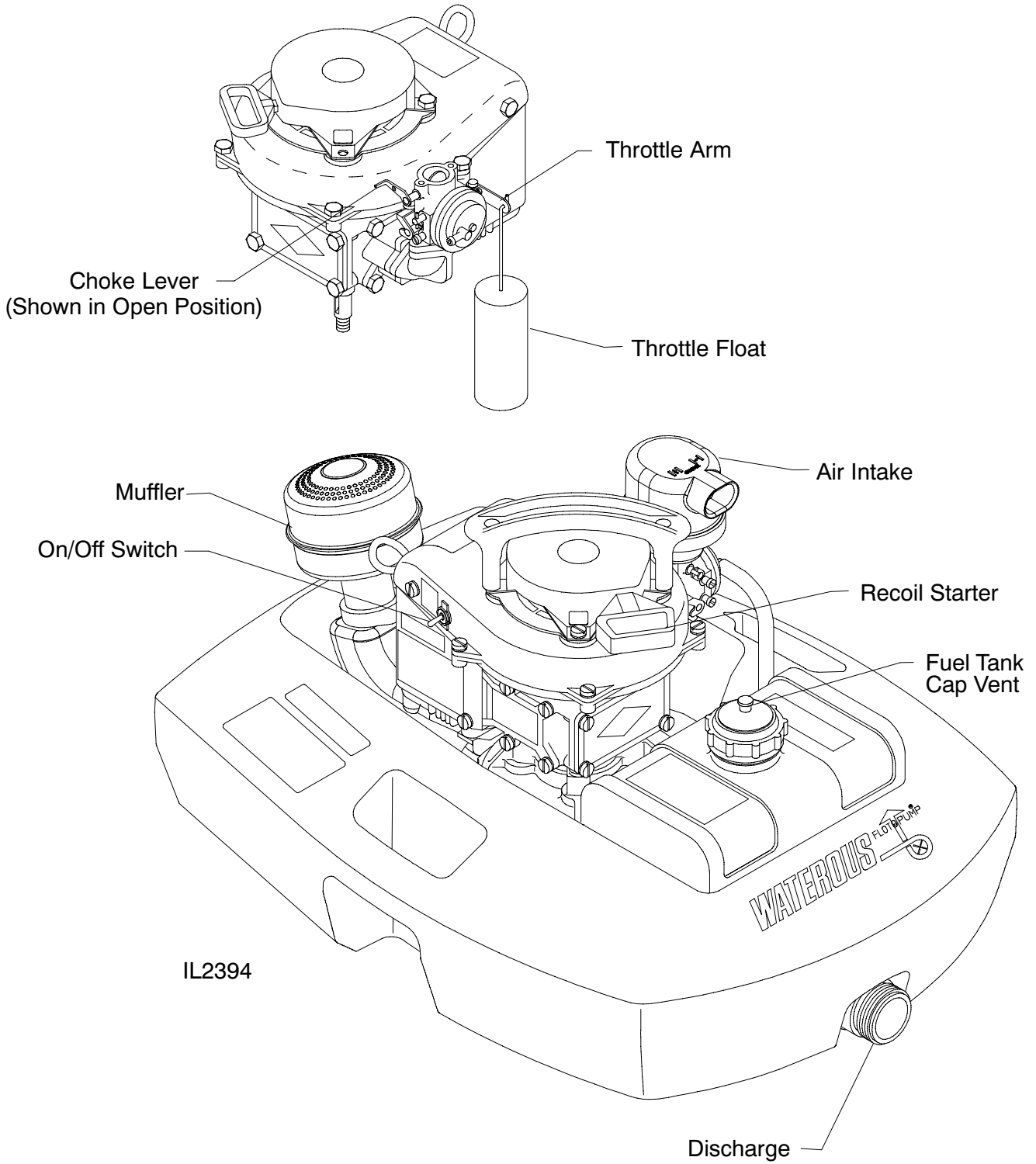
DO NOT strike the flywheel with a hammer or hard object as this may cause the flywheel to shatter in operation. Use correct tools to service the engine.

**⚠ CAUTION****Loud noise levels. May cause temporary or permanent hearing loss.**

Always wear protective hearing equipment (custom molded ear plugs, sound-reducing head gear) when operating the engine.



Pump Operating Features



Preparation Before Operation

Symbols



This safety alert symbol indicates that this message involves personal safety. Words danger, warning and caution indicated degree of hazard. Death, personal injury and/or property damage may occur unless instructions are followed carefully.



You are not ready to operate this engine if you have not read and understood the previous safety items. Read this entire owner/operator manual and the operating instructions of the equipment this engine powers.

Fuel Mixture

Always use fresh fuel in the tank. In a separate, clean container thoroughly mix National Marine Manufacturers Association (NMMA), TC-W3® outboard oil with regular grade 87 octane (minimum) unleaded fuel.

Fuel:Oil Mix Ratio, 24:1			
Fuel	Oil	Fuel	Oil
1 Gal.	5.3 Fl. Oz.	1 Liter	42 mL
3 Gal.	16 Fl. Oz.	10 Liters	417 mL
5 Gal.	27 Fl. Oz.	20 Liters	833 mL

CAUTION

Oil and fuel separation.
May result in engine damage.

Do not use gasoline containing more than 10% alcohol or the oil may separate from the fuel.

WARNING

Fire or explosion hazard.
May result in personal injury or death.

Do not refuel the Floto-Pump with the engine running. Also make sure the muffler is cool before refueling to prevent an accidental fire or explosion.

Starting The Engine

1. Connect discharge hose to pump and lay hose out so it will be free of kinks and twists.
2. Make sure nozzle is closed.

NOTE: The pressurized discharge hose will hold the running Floto Pump out from shore, but a rope may be needed to prevent wind or current from swinging it back.

3. Open vent in fuel tank cap by turning it counterclockwise.
4. Move ignition switch to RUN (on) and close choke by moving choke lever in direction of arrow.
5. Grasp lifting handle on top of engine with one hand and pull starter handle with other hand.

NOTE: The throttle is operated by a float connected to the throttle arm and is automatically held in idle position until unit is placed in the water.

CAUTION

“Kick back” notice.
May result in possible injury.

To prevent hand or arm injury, pull the cord slowly until resistance is felt, then pull the start cord rapidly to avoid kick back.

When the engine starts, open the choke by moving choke lever toward engine.

CAUTION

Out of water operation.
May result in Floto-Pump damage.

Throttle may be opened manually for short “bursts” by lifting throttle control float assembly, but unit may be damaged by prolonged high speed operation out of water.

1. When engine is running smoothly, slowly place pump in water. (The throttle will automatically open wide.)
NOTE: If you set the pump in the water too fast the engine may stall if it is cold or the carburetor is not adjusted properly.
2. Pump speed and capacity will depend upon the type of nozzle and hose used.

WARNING

Hot temperature muffler.
May result in personal injury (burns).

Do not touch the muffler while the engine is running or shortly after the engine was running. To lift the Floto-Pump, use the hand on the top of the starter.

Stopping The Engine

1. Turn ignition switch to STOP (off) position.
NOTE: The pump may be removed from water before stopping the engine.
2. Before transporting the pump, close the fuel tank vent by turning it clockwise.

Compression Release Valve

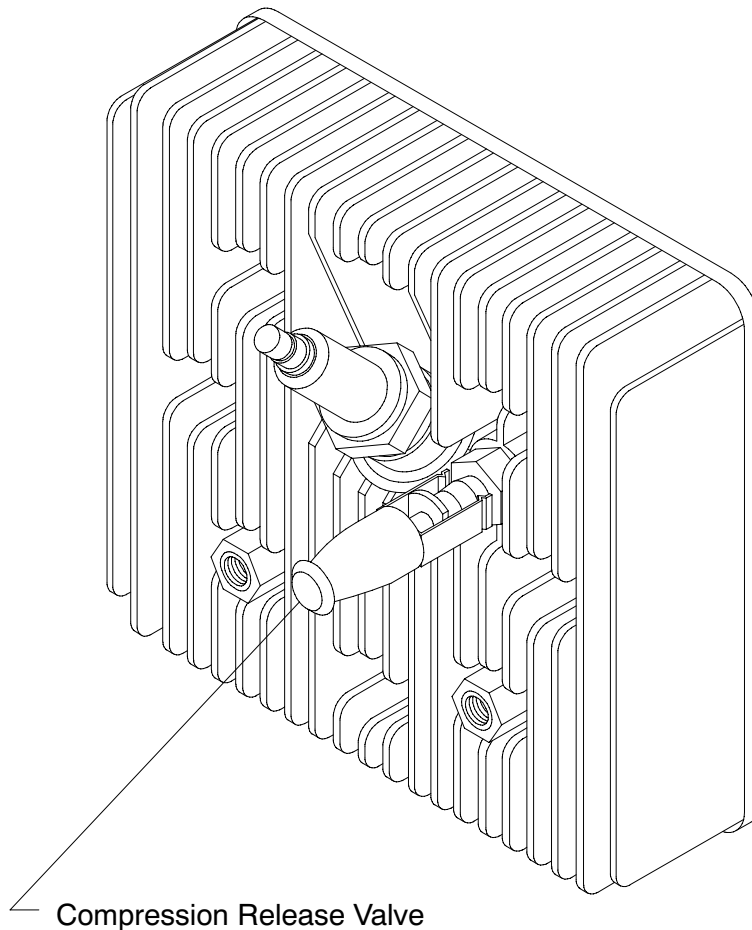
NOTE: This Floto Pump is equipped with a compression release valve to aid in starting the engine. The compression release device is located near the spark plug. The function of the compression release is to reduce the engine compression so that less effort is required to operate the pull starter. The compression release is used as follows:

CAUTION

**Hot temperature components.
May result in personal injury.**

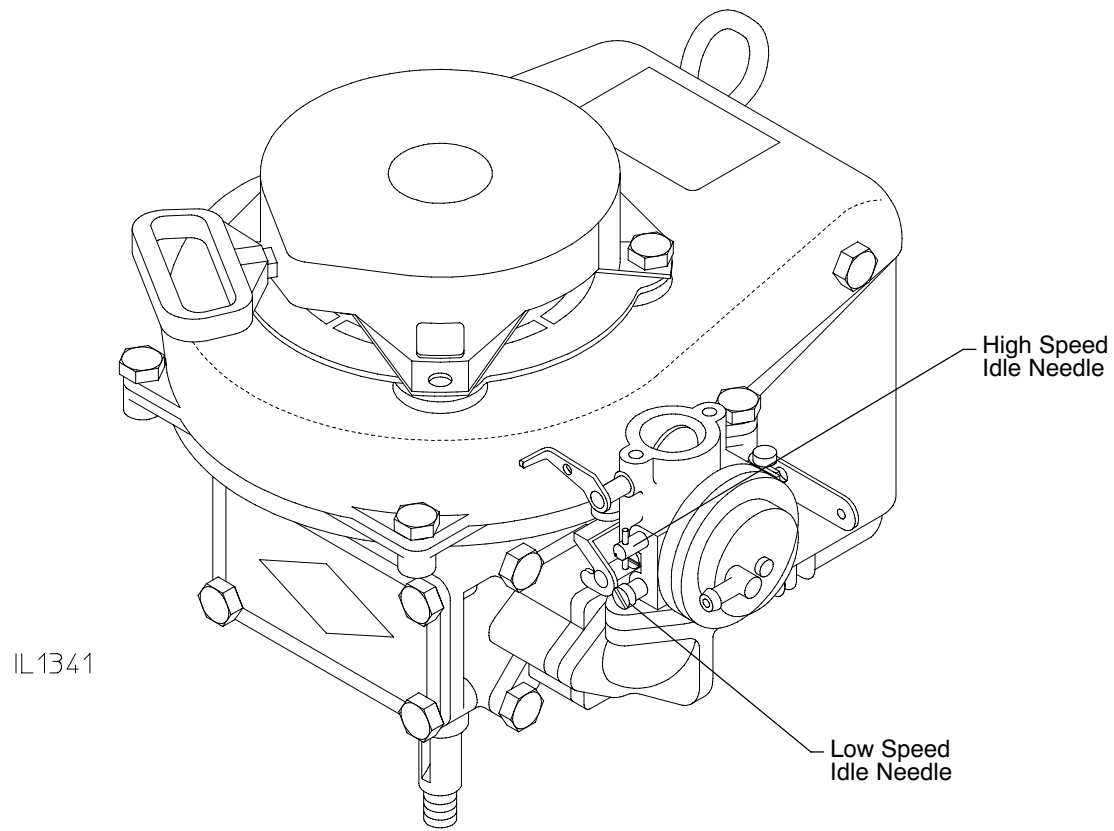
The compression release, muffler and engine surfaces will become hot during operation. Use a tool and/or gloves to prevent burns while using the compression release.

1. Prior to starting the engine, engage the compression release by depressing the black cap on top of the compression release valve.
2. Start the engine by following the normal start procedure. (It may be necessary to ensure that the black cap remains depressed between each pull on the starter rope.)
3. Once engine starts, the compression release should automatically close. If a whistling sound is heard, that indicates that the compression release has *not* closed. Close the compression release by pulling out on the black cap.



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Carburetor Adjustment



The carburetor is factory adjusted, but may require readjustment, especially for cold weather operation or high altitudes.

If the fuel mixture is too lean, a cold engine may stall under a load. If the engine stalls as soon as the throttle opens, the “idle mixture” may be too lean. If the engine speeds up when the throttle opens, but stalls when the pump primes, then the “high speed” adjustment is probably too lean.

1. Turn both adjustment needles clockwise until completely closed.

CAUTION

Carburetor needle adjustment may result in seat damage.

Do not force adjustment needles tightly closed or the seat could be damaged.

2. Open both needles by turning counterclockwise one turn. This will be a rich setting and operation under a load will determine the best setting.

3. Adjust the low speed idle needle first, and accelerate. If the engine bogs down or accelerates slowly, turn the low speed idle needle clockwise until performance is acceptable. If the engine stalls on acceleration, turn the low speed idle needle counterclockwise until performance is satisfactory. The average low speed idle needle adjustment is one turn open.
4. Adjust the high speed needle next. Turn the high speed needle clockwise until engine runs smoothly. **DO NOT** go any leaner than necessary on the high speed adjustment as piston seizure can occur at high speed. The average high speed needle adjustment is one turn to open. This will vary according to outside temperature. Low temperatures generally require richer settings. (Adjust screw counterclockwise.)
5. If the engine runs too fast at idle speed, turn the idle stop screw counterclockwise until the desired idling speed is obtained. To increase idling speed, turn the idle stop screw clockwise.

General Operating Hints

1. When the pump is placed in the water with the hose empty, air will be expelled into the hose and the pump will prime quickly. If the hose is partially full of water, or kinked near the pump discharge, the pump may require 30 seconds or more to prime.
2. Ideally, the Floto Pump should not be operated in less than six inches of water. If the water is shallow, or if the water level goes low enough to permit the pump to rest on the bottom, sand or other foreign material entering the pump intake can cause the pump to seize. If this happens, free the pump with one of the following methods.
 - a. Remove starter and turn engine counterclockwise until it turns freely.
 - b. Remove screws which attach screen to float. With a suitable wrench, turn impeller nut clockwise (viewed from bottom of pump) until it turns freely. Reinstall intake screen.
 - c. Remove intake screen as directed above. Remove bolts which attach the pump to float. Disconnect and plug fuel line at carburetor and lift engine and pump assembly out of float. Remove four self-locking nuts and plain washers, and lift off lower volute. Thoroughly clean impeller and turn it to make sure that it is free. If it does not turn freely, contact your Waterous dealer or call us at 651-450-5200. Reassemble pump.

WARNING

Accidental starting. May cause personal injury.

Before attempting to free the pump, disconnect the spark plug wire from the engine to prevent accidental engine start up.

Storage

Change the fuel in the tank at regular intervals. If you are going to store the pump for longer than two months, the following steps should be taken.

1. Do not run engine to remove the fuel left in the carburetor. Drain the carburetor by removing the fuel strainer cover.
2. Remove the spark plug and lubricate cylinder walls with three or four squirts of BA- TCW or NMMA TC- - WII outboard oil.
3. Crank engine over once or twice to circulate the oil. Replace the spark plug.
4. If the engine is to be stored in an extremely damp area, remove the crankcase cover and lubricate the upper and lower main bearings in both ends of the connecting rod.

Ordering Repair Parts

Repair parts for your Floto-Pump are available from a Waterous dealer or directly from Waterous.

The following pages list the repair parts for the Standard Floto, High Pressure Floto and the engine repair parts.

Contact your Waterous dealer, or call a Waterous service specialist at 651-450-5200 with any questions.

Problem	Cause	What To Do
1. Engine fails to start.	No fuel in tank.	Fill tank.
	Ignition switch off.	Turn ignition switch on.
	Fuel tank vent closed.	Open fuel tank vent.
	Fuel line or fuel tank screen clogged.	Clean fuel line and screen.
	Flooded.	Hold throttle in fast position and crank engine or close carburetor main adjustment needle and crank until engine starts. Then turn needle to 1 turn open.
	Spark plug shorted or fouled.	Install new spark plug.
	Spark plug broken (cracked porcelain or electrodes broken).	Replace spark plug.
	Ignition lead wire shorted, broken or disconnected from spark plug.	Replace lead wire or attach to spark plug.
2. Engine hard to start.	Ignition inoperative (no spark from lead wire.	Contact factory or your nearest authorized dealer.
	Water in gasoline or stale fuel mixture.	Drain entire fuel system and refill with fresh fuel.
	Too much oil in fuel mixture.	Drain and refill with correct mixture.
	Engine over or under choked.	If flooded by over choking, proceed according to instructions in previous section. If under choked, move choke lever to closed position and crank 2 or 3 times.
	Carburetor out of adjustment.	See "Operating Instructions" under "Carburetor Adjustment."
	Gasket leaks (carburetor or reed plate gaskets).	Replace gaskets.
3. Engine misses.	Weak spark at lead wire.	Contact the factory or your nearest authorized dealer.
	Dirt in fuel line or carburetor.	Remove and clean.
4. Engine misses.	Carburetor improperly adjusted.	See "Operating Instructions" under "Carburetor Adjustment."
	Spark plug fouled, broken or incorrect gap setting.	Clean and replace spark plug; set gap at .030.
	Weak or intermittent spark at lead wire.	Contact the factory or your nearest authorized dealer.
5. Engine lacks power.	Air cleaner clogged.	Clean air cleaner.
	Carburetor out of adjustment.	See "Operating Instructions" under "Carburetor Adjustment."
	Muffler clogged.	Clean carbon from muffler.
	Clogged exhaust ports.	Remove muffler, rotate engine until the piston is at bottom of cylinder. With a wooden scraper or blunt tool, remove all carbon from exhaust ports. Be careful not to scratch or damage piston or cylinder walls. Blow any loose carbon with compressed air. Start engine and run briefly to remove all carbon, then install muffler.
	Poor compression.	Contact the factory or your nearest authorized dealer.
6. Engine overheats.	Insufficient oil in fuel mixture.	Mix fuel as shown in starting instructions.
	Air flow obstructed.	Clean flywheel, cylinder fins and screen.
7. Engine noisy or knocking.	Loose flywheel.	Tighten flywheel nut.
	Spark plug is incorrect heat range.	Replace plug specified for engine.
	Worn bearings, piston rings or cylinder walls.	Contact the factory or your nearest authorized dealer.
	Bent fan housing.	Remove fan housing and straighten bent portion.
8. Engine stalls under load.	Carburetor main adjustment too lean.	See "Operating Instructions" under "Carburetor Adjustment."
	Engine overheats.	See number 5.

Refer to the following pages:

Float and Fuel system 12

Exhaust and Air Intake

 Prior to 7/21/06 13

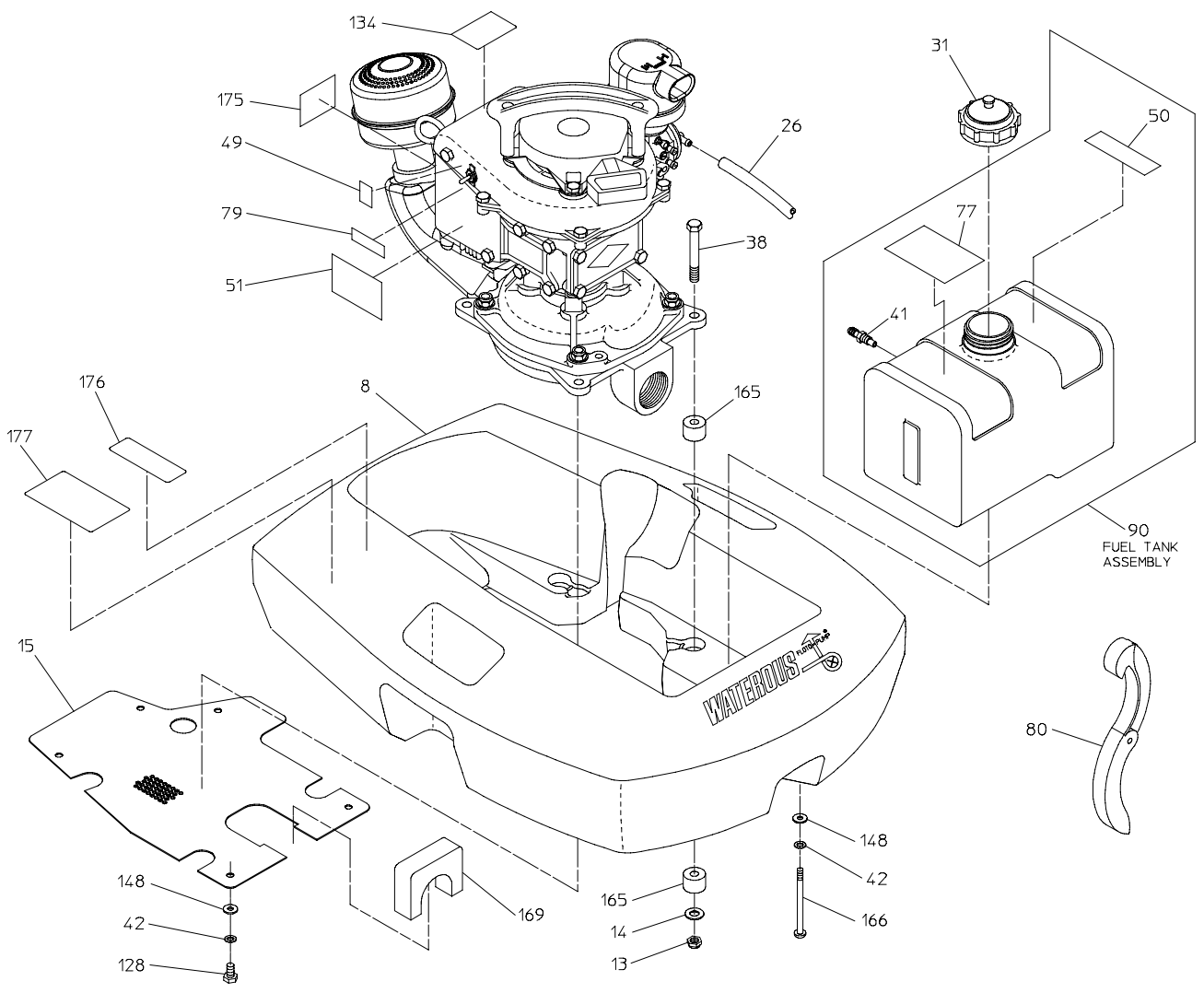
 After 7/21/06 14

Pump 15

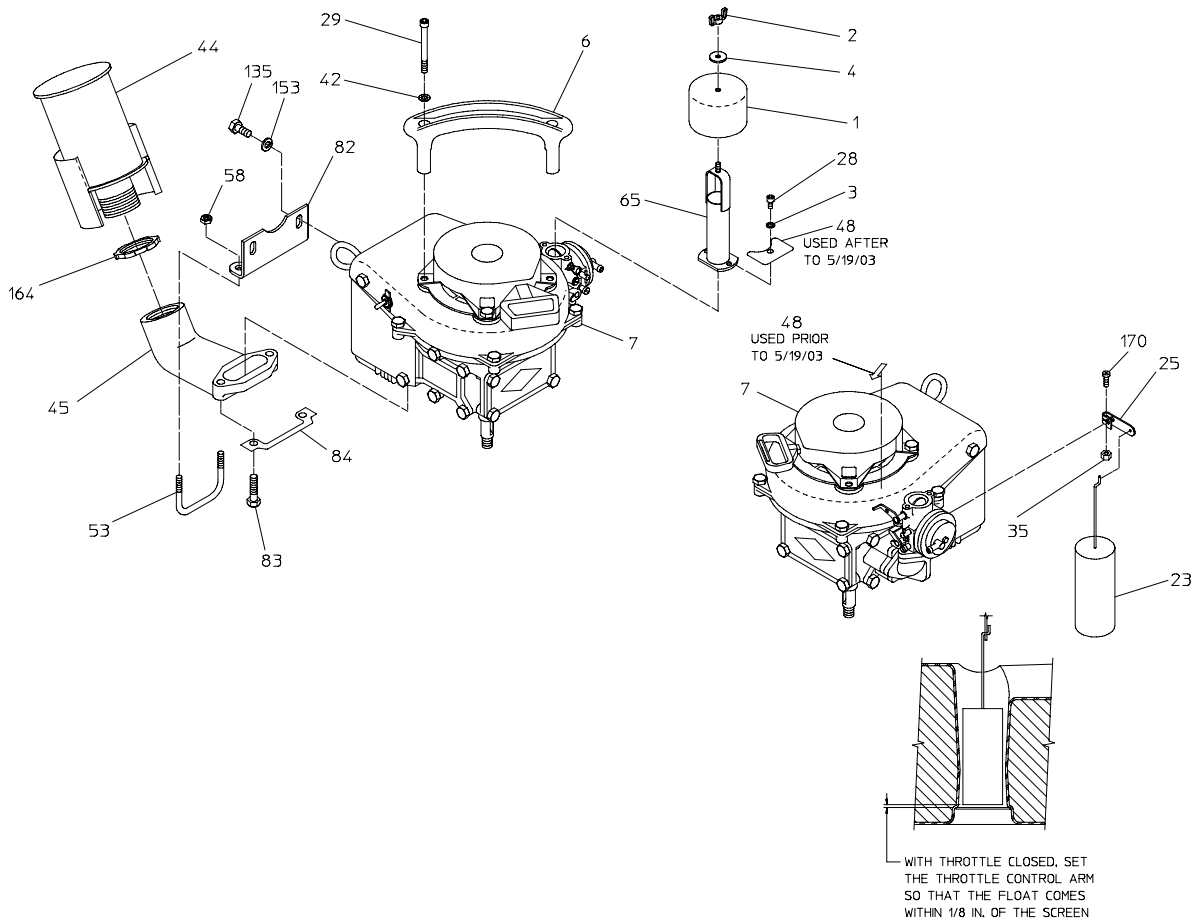
Engine (Starter and Ignition) 16

Engine (Carburetor and Power Head) 17

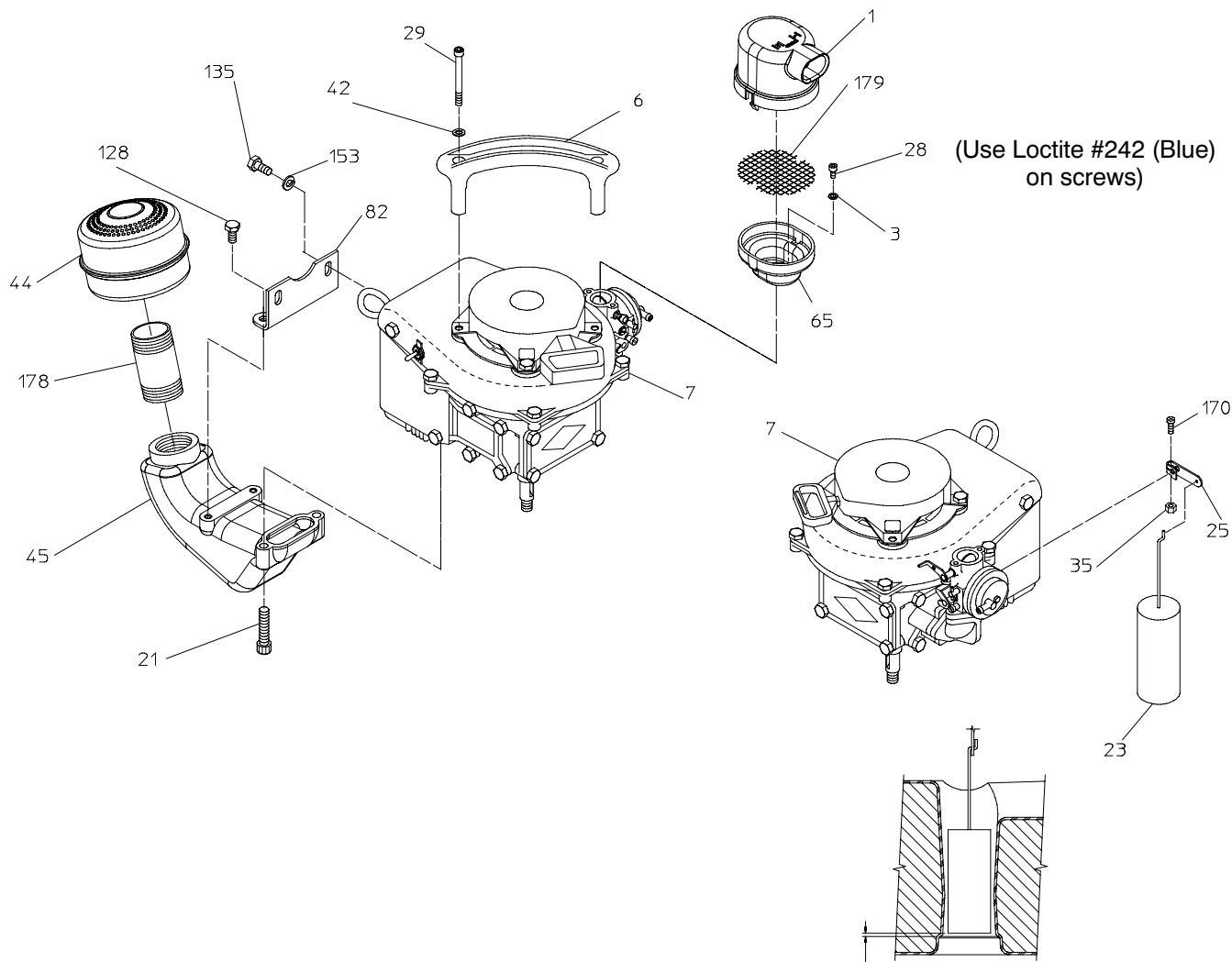
REF. NO.	DESCRIPTION	REF. NO.	DESCRIPTION
8	Float	77	Hearing protection warning decal
13	Self-locking nut, 3/8-16	79	Patent decal
14	Plain washer, 3/8 in.	80	Folding spanner wrench
15	Intake screen	90	Fuel tank subassembly (includes ref no. 41, 50 & 77)
26	Fuel line	128	Hex hd screw, 1/4-20 x 1/2 in.
31	Fuel tank cap	134	Carbon monoxide warning label
38	Hex hd screw, 3/8-16 x 2-3/4 in.	148	Plain washer, 1/4 in.
41	Fuel line filter	165	Rubber bushing
42	Lock washer, internal tooth, 1/4 in.	166	Pan hd screw, 1/4-20 x 2-1/2 in.
49	RUN-ST OP decal	169	Inlet chamber seal
50	Fuel mix decal	175	Compression release decal
51	Name plate decal (includes pump serial number)	176	Hot warning decal
		177	CE marking decal



REF. NO.	DESCRIPTION	REF. NO.	DESCRIPTION
1	Air intake stack cap	42	Lock washer, internal tooth, 1/4 in.
2	Wing nut, No. 10-32	44	Muffler
3	Lock washer, internal tooth, no. 10	45	Exhaust adapter
4	Plain washer, 3/16 in.	48	Choke decal (prior to 05/19/03) Choke plate (after 05/19/03)
6	Lifting handle	53	U-bolt clamp
7	Engine	58	Self-locking nut, 1/4-20
23	Throttle control float	65	Air intake stack
25	Throttle control arm	82	Muffler bracket
28	Socket hd screw, no. 10-32 x 3/8 in.	83	Hex hd screw, 5/16 x 1-1/4 in.
29	Socket hd screw, 1/4-20 x 2-1/2 in.	84	Lock plate
35	Self-locking nut, no. 10-24	135	Hex head screw, 1/4-20 x 5/8 in.
		153	Lock washer, 1/4 in.
		164	Conduit locknut, 1-1/4 in.
		170	Fill hd screw, no. 10-24 x 9/16 in.

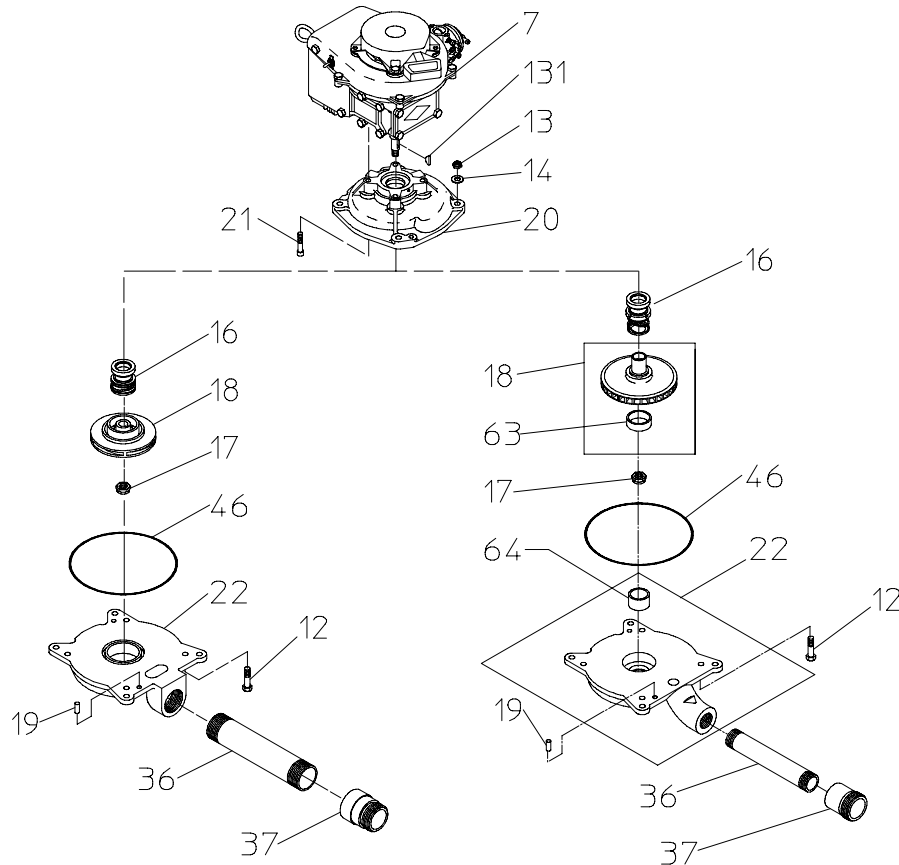


REF. NO.	DESCRIPTION	REF. NO.	DESCRIPTION
1	Air intake cover	42	Lock washer, internal tooth, 1/4 in.
3	Lock washer, internal tooth, no. 10	44	Muffler
6	Lifting handle	45	Exhaust adapter
7	Engine	65	Air intake base
21	Socket hd screw, 5/16-18 x 1-1/2 in.	82	Muffler bracket
23	Throttle control float	128	Hex hd screw, 1/4-20 x 1/2 in.
25	Throttle control arm	135	Hex head screw, 1/4-20 x 5/8 in.
28	Socket hd screw, no. 10-32 x 3/8 in. (use Loctite #242 (Blue) on screws)	153	Lock washer, 1/4 in.
29	Socket hd screw, 1/4-20 x 2-1/2 in.	170	Fill hd screw, no. 10-24 x 9/16 in.
35	Self-locking nut, no. 10-24	178	Pipe nipple, 1-1/4 NPT x 5 in.
		179	Air intake screen



WITH THROTTLE CLOSED, SET THE THROTTLE CONTROL ARM SO THAT THE FLOAT COMES WITHIN 1/8 IN. OF THE SCREEN

STANDARD FLOTO		HIGH PRESSURE FLOTO	
REF. NO.	DESCRIPTION	REF. NO.	DESCRIPTION
7	Engine	7	Engine
12	Hex hd screw, 3/8-16 x 1-1/2 in.	12	Hex hd screw, 3/8-16 x 1-1/2 in.
13	Self-locking nut, 3/8-16	13	Self-locking nut, 3/8-16
14	Plain washer, 3/8 in.	14	Plain washer, 3/8 in.
16	Mechanical seal	16	Mechanical seal
17	Self-locking nut, 9/16-18	17	Self-locking nut, 9/16-18
18	Impeller	18	Impeller subassembly (includes REF. NO. 63)
19	Dowel pin, SS, 5/16-18 x 1-1/2 in.	19	Dowel pin, SS, 5/16 x 1-1/2 in.
20	Body - upper volute	20	Body - upper volute
21	Socket hd screw, 5/16-18 x 1-1/2 in.	21	Socket hd screw, 5/16-18 x 1-1/2 in.
22	Body - lower volute	22	Body - lower volute subassembly (includes REF. NO. 64)
36	Discharge nipple, 1-1/2 NPSH x 11 in., or 1-1/2 BSP x 11 in., or 1-1/2 NPT x 8-7/8 in. (1-1/2 NPT x 8-7/8 in. nipple requires REF. NO. 37 nozzle).	36	Pipe nipple, 1 NPT x 7-3/4 in.
37	Discharge nozzle, 1-1/2 NH (not used with REF NO. 36 NPSH or BSD discharge nozzles)	37	Discharge nozzle, 1-1/2 NH, 1-1/2 NPSH or 1-1/2 BSP
46	O-ring, 7-14 x 7-1/2 in.	46	O-ring, 7-14 x 7-1/2 in.
131	Woodruff key	63	Impeller bushing
		64	Volute bushing
		131	Woodruff key

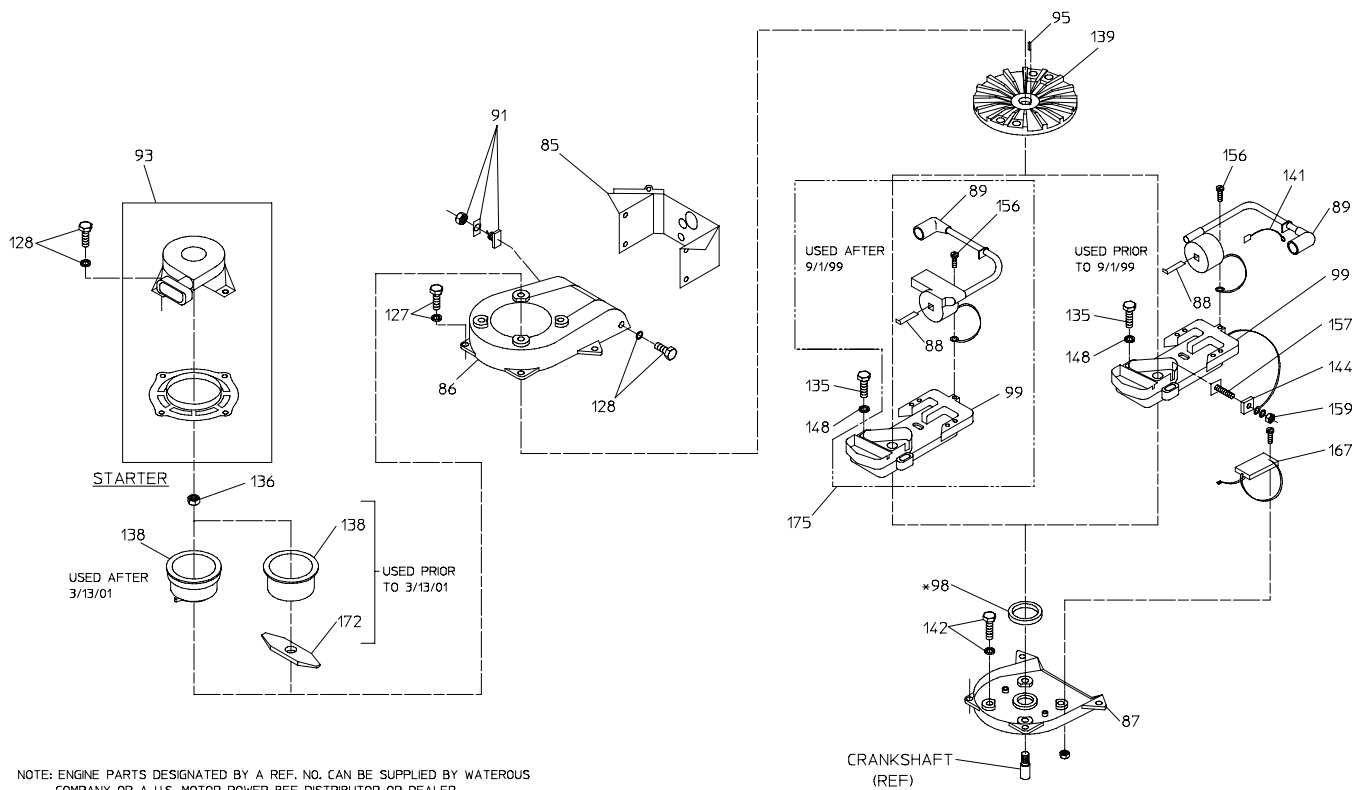


Standard Flo to

High Pressure Flo to

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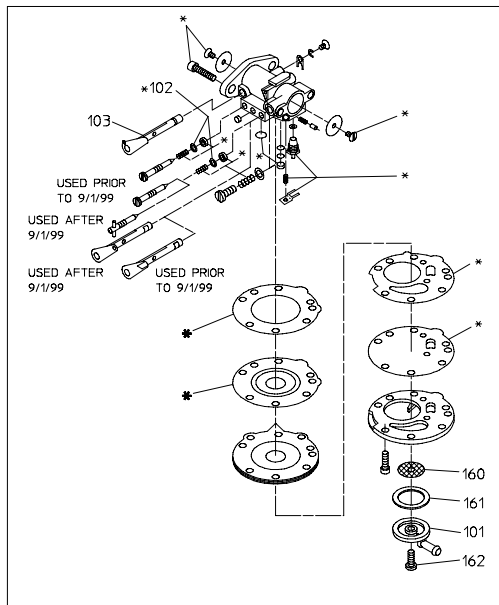
REF. NO.	DESCRIPTION	REF. NO.	DESCRIPTION
85	Cylinder cover	135	Hex hd screw, 1/4-20 x 5/8 in.
86	Fan housing	136	Hex nut, 7/16-20
87	Support plate	138	Starter cup
88	Coil wedge spring	139	Flywheel
89	Coil with sparkie	141	Ground lead
91	Ignition switch	142	Hex slot screw with lockwasher, 1/4-20 x 11/16 in.
93	Starter	144	Insulator
95	Flywheel key	148	Plain washer, 1/4 in.
98	Magneto end seal	156	Pan hd scwew, 6-32 x 3/8 in.
99	Stator plate assembly	157	Insulator screw
127	Hex hd cap screw with lockwasher, 1/4-20 x 5/8 in.	159	Self-locking nut, no. 6-32
128	Hex hd cap screw with lockwasher, 1/4-20 x 1/2 in.	167	Atom module assembly
		171	Power head gasket and seal set
		172	Spacer



NOTE: ENGINE PARTS DESIGNATED BY A REF. NO. CAN BE SUPPLIED BY WATEROUS COMPANY OR A U.S. MOTOR POWER BEE DISTRIBUTOR OR DEALER. PARTS WITHOUT A REF. NO. CAN BE SUPPLIED BY U.S. MOTOR POWER ONLY. SEE U.S. MOTOR POWER'S SERVICE MANUAL FOR INFORMATION ON OBTAINING THESE PARTS.

*INCLUDED IN GASKET REPAIR KIT REF NO. 171 (ALSO SEE POWER HEAD DETAIL)

REF. NO.	DESCRIPTION	REF. NO.	DESCRIPTION
56	Complete carburetor	116	Reed
57	Carburetor gasket	117	Drive end seal
69	Manifold gasket	118	Crankcase cover gasket
70	Transfer port cover gasket	119	Transfer port cover
71	Carburetor stud	120	Connecting rod screw
74	Spark plug (Champion L-86C or AC R44 F)	121	Crankpin roller set
75	Carburetor adapter elbow	123	Hex hd screw with lockwasher, 1/4-20 x 3/4 in.
76	Manifold	124	Hex hd screw with lockwasher, 1/4-20 x 7/8 in.
81	Head bolt stud	125	Hex hd screw with lockwasher, 1/4-20 x 1-1/8 in.
94	Carburetor repair parts kit	130	Hex nut, 1/4-20
101	Fuel strainer cover	149	Crankcase cover
102	Main adjustment screw washer	150	Reed stop
103	Throttle shaft and lever	151	Rnd hd screw with lockwasher, no. 6-32 x 5/16 in.
104	Bearing cage gasket	152	Reed plate (includes 116, 150 & 151)
105	Ball bearing	153	Spring lockwasher, 1/4 in.
106	Crankshaft	154	Socket hd cap screw, 1/4-20 x 11/16
107	Connecting rod with cap	155	Plain washer, 1/4 in.
108	Retaining ring	160	Fuel strainer screen
109	Piston	161	Fuel strainer cover gasket
110	Piston pin	162	Hex hd screw, 6-32 x 7/16
111	Piston ring set	171	Power head gasket and seal set
112	Cylinder head	173	Compression release valve Washer
113	Head gasket, .032 in. thick		
114	Head gasket, .062 in. thick		
115	Cylinder w/seal		

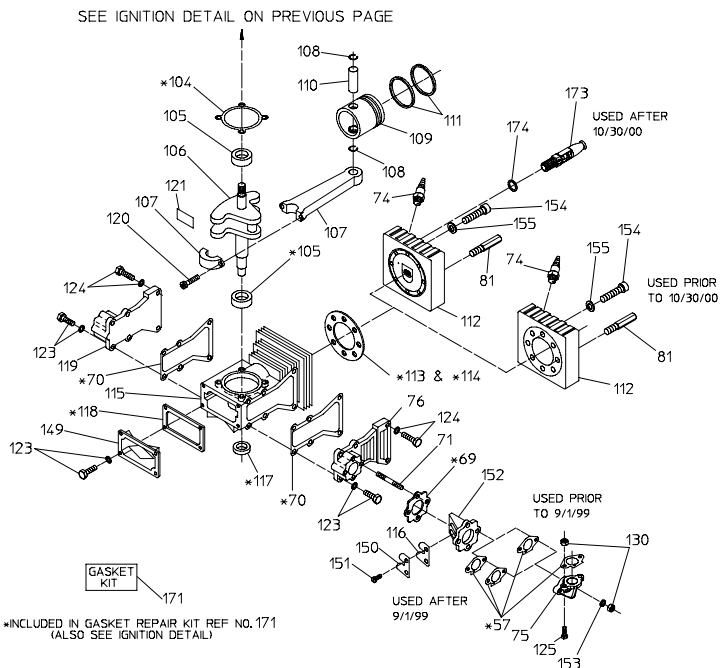


56 COMPLETE CARBURETOR KIT (INCLUDES (3) REF. NO. 57 GASKETS. SEE POWER HEAD DETAIL).

CARBURETOR KIT 94

*INCLUDED IN CARBURETOR REPAIR KIT REF. NO. 94

CARBURETOR



SEE IGNITION DETAIL ON PREVIOUS PAGE

*INCLUDED IN GASKET REPAIR KIT REF. NO. 171 (ALSO SEE IGNITION DETAIL)

POWER HEAD

CONDITIONAL WARRANTY POLICY

WATEROUS warrants, to the original Buyer only, that products and parts manufactured by WATEROUS will be free from defects in material and workmanship under normal use and service for a period of five (5) years from the date the product is first placed in service, or five and one-half (5-1/2) years from the date of shipment by Waterous, whichever period shall be the first to expire; provided the Buyer notifies WATEROUS, in writing, of the defect in said product within the warranty period, and said product is found by WATEROUS to be nonconforming with the aforesaid warranty. When required in writing by WATEROUS, defective products must be promptly returned by Buyer to WATEROUS at WATEROUS' plant at South St. Paul, Minnesota, or at such other place as may be specified by WATEROUS, with transportation and other charges prepaid. A **Returned Goods Authorization (RGA)** is required for all products and parts and may be requested by phone, fax or mail. The aforesaid warranty excludes any responsibility or liability of WATEROUS for:

- (a) damages or defects due to accident, abuse, misuse, abnormal operating conditions, negligence, accidental causes, or improper maintenance, or attributable to written specifications or instructions furnished by Buyer;
- (b) defects in products manufactured by others and furnished by WATEROUS hereunder, it being understood and agreed by the parties that the only warranty provided for such products shall be the warranty provided by the manufacturer thereof which, if assignable, WATEROUS will assign to Buyer, if requested by Buyer;
- (c) any product or part, altered, modified, serviced or repaired other than by WATEROUS, without its prior written consent; and
- (d) the cost of dismantling, removing, transporting, storing, or insuring the defective product or part and the cost of reinstallation.
- (e) normal wear items (packing, strainers, filters, light bulbs, anodes, intake screens, etc.).

This warranty is subject to WATEROUS' Conditions of Sale (Waterous Company form number F-2190) as currently in effect all of which are herein incorporated and by this reference made a part hereof.

All other warranties are excluded, whether express or implied by operation of law or otherwise, including all implied warranties of merchantability or fitness for purpose. WATEROUS shall not be liable for consequential or incidental damages directly or indirectly arising or resulting from the breach of any of the terms of this limited warranty or from the sale, handling, or used of any WATEROUS product or part. WATEROUS' liability hereunder, either for breach of warranty or for negligence, is expressly limited at WATEROUS' option:

- (A) to the replacement at the agreed point of delivery of any product or part, which upon inspection by WATEROUS or its duly authorized representative, is found not to conform to the limited warranty set forth above, or
- (B) to the repair of such product or part, or
- (C) to the refund or crediting to buyer of the net sales price of the defective product or part.

Buyer's remedies contained herein are exclusive of any other remedy otherwise available to Buyer.

W A T E R O U S

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SOUTH ST. PAUL, MINNESOTA 55075-2456 U.S.A.
Phone: (651) 450-5000 • FAX: (651) 450-5090
