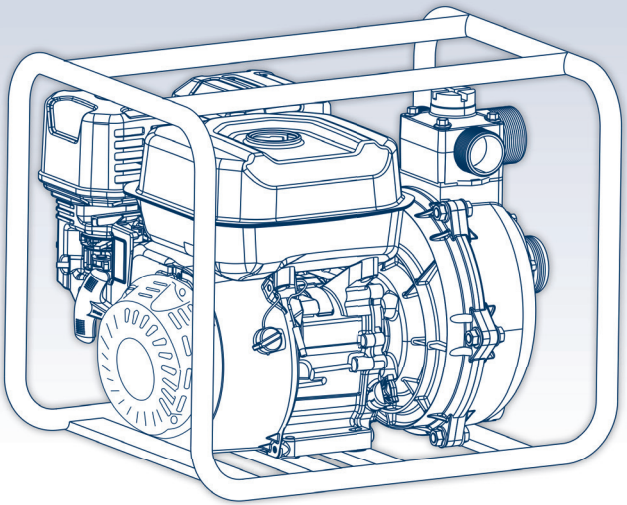
ITM INDUSTRIAL PRODUCTS ®

PETROL WATER PUMPS

OPERATOR'S MANUAL



POWERED by HONDA

MODELS: TM532-050, TM532-080 & TM532-250

TO PREVENT SERIOUS INJURY OR DAMAGE TO YOUR WATER PUMP, READ AND UNDERSTAND ALL WARNINGS AND INSTRUCTIONS BEFORE USE

Ver: 1.2

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LIMITED WARRANTY

Industrial Tool & Machinery Sales (hereinafter referred to as ITMS) will, within twelve (12) months from the original date of purchase, repair or replace any goods found to be defective in materials or workmanship.
This warranty is void if the item has been damaged by accident, neglect, improper service or other causes not arising out of defects in materials or workmanship. This warranty does not apply to machines and/or components which have been altered, changed, or modified in any way, or subjected to overloading or use beyond recommended capacities and specifications. Worn componentry due to normal wear and tear is not a warranty claim. Goods returned defective shall be returned prepaid freight to ITMS or agreed repair agent, which shall be the buyer's sole and exclusive remedy for defective goods. ITMS accepts no additional liability pursuant to this guarantee for the costs of travelling or transportation of the product or parts to and from ITMS or the service agent or dealer, such costs are not included in this warranty.

Our goods come with guarantees which cannot be excluded under the Australian Consumer Law. You are entitled to replacement or refund for a major failure and to compensation for other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

THE MANUFACTURER RESERVES THE RIGHT TO MAKE IMPROVEMENTS AND MODIFICATIONS TO DESIGN WITHOUT PRIOR NOTICE.

PRODUCTS IMPORTED AND DISTRIBUTED NATIONALLY BY:

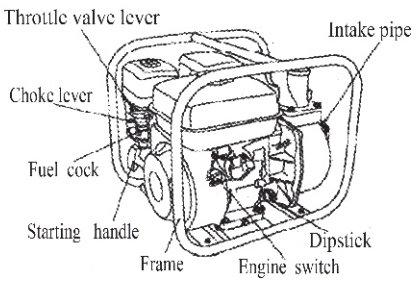
INDUSTRIAL TOOL & MACHINERY SALES
18 BUSINESS ST, YATALA QLD 4207
T: 07 3287 1114 E: sales@industrialtool.com.au
F: 07 3287 1115 W: www.itmtools.com.au

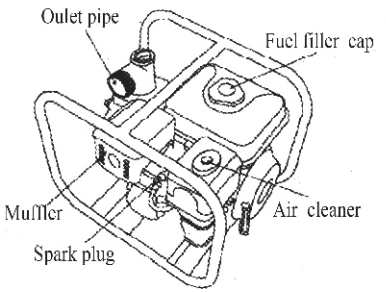
PRODUCT SPECIFICATIONS

Thank you for purchasing your ITM Petrol Water Pump POWERED BY HONDA.

Please read and understand the content of this manual for safety guidelines, start-up, priming, operation, adjustment and maintenance instructions before using this product. Take all possible precautions to protect your own safety and that of the people in the immediate vicinity. Save this manual for future reference.

Model	TM532-050	TM532-080	TM532-250
Engine Model	Honda GX160	Honda GX160	Honda GX200
Engine Output Power	5.5HP	5.5HP	6.5HP
Impeller	Single	Single	Double
Max Flow Rate (L/hr)	35,000	60,000	21,000
Max Flow Rate (m^3/h)	35	60	21
Max Lift (total head)	32m	30m	75m
Max Suction Lift	7m	7m	7m
Input Diameter	50mm	80mm	50mm
Output Diameter	50mm	80mm	1x 50mm, 2x 38mm
Warranty	2 Year	2 Year	2 Year





GENERAL SAFETY RULES

Before operating, ensure you have read and understood the manual and operational procedures to help reduce the risk of damage to your product as well as potential personal injury.

Before operating, perform the pre-operation inspection to make the use of your water pump safe.

Under no circumstances should you use your pump for flammable or corrosive liquids (such as petrol or acid). To prolong the life of your water pump, do not use for corrosive liquids such as salt water, chemical solutions or alkaline liquids.

Locate the water pump on a firm and level ground, a slopped or overturned water pump may result in the spilling of oil and fuel.

Always operate your pump outdoors in a well ventilated area away from any potentially flammable or hazardous material. NEVER run your water pump indoors or in a shed, exhaust emissions from the engine contain toxic carbon monoxide (CO) which can lead to death if inhaled.

Keep children and pets away from the pump when in use.

Always fill the petrol tank with the water pump turned off and in a well ventilated area. After filling, ensure the fuel cap is tightened correctly and you wipe any excess/spilled fuel from the top of the fuel tank.

GETTING STARTED

Connecting Water Inlet Hose

Always use a quality inlet hose with reinforced construction to prevent hose collapse, the hose must be a continuous hose with no joins or kinks and should be fully unrolled. NOTE: Suction and priming times will vary depending on the length of the inlet hose and the height of the pump from the water source

Prior to priming the pump, ALWAYS ensure the pre-filter is connected to the end of the water inlet hose. The filter will catch large particles that may jam and damage the pump impellers. Be sure to install hose clamps tightly to prevent air leaks which will reduce the pumps performance.

Connecting Water Outlet Hose

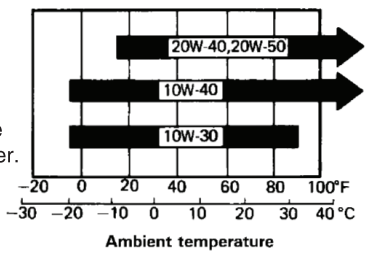
Always use a quality outlet hose designed to be used with the same outlet size of the pump. Runnings and smaller diameter hose that the outlet of the pump will increase flow resistance and decrease the power output and flow rate of your pump.

Note: Securely tighten the hose clamps to ensure the hose does not blow off when under pressure.

Engine Oil Level Check

Using quality engine oil is key to the ongoing performance of your engine, always use the specified oil for your Honda Engine.

Use 4 Stoke engine oil that meets or exceeds the requirements for API service category SE or later. Always check the API service label on the oil container to be sure I includes the letters SE or later.



Engine oil capacity:	GX160	580ml
	GX200	600ml

Please refer to your Honda Engine Instruction Manual for more information regarding filling the engine with oil.

NOTE: The Honda Engine has a low oil sensor which prevents the engine from running with not enough oil in the crankcase. The oil alert system will automatically stop the engine before the oil level falls below the safe limit. However, to avoid the inconvenience of an unexpected shutdown, always check the engine oil level before start-up.

Fuel Level Check

The engine is certified to operate on unleaded fuel with a research octane rating of 91 or higher (a pump octane rating of 86 or higher). You may use unleaded fuel containing no more than 10% ethanol (E10).

Always check the fuel level prior to starting the engine. With the engine stopped and on a level surface, remove the fuel cap and check the fuel level and refill if too low. Fill to the maximum level of the fuel tank. DO NOT overfill.

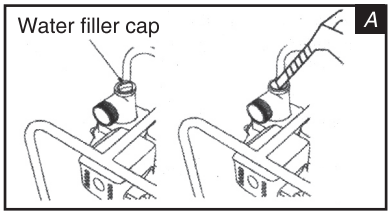
Please refer to your Honda Engine Instruction Manual for more information regarding filling the engine with fuel.

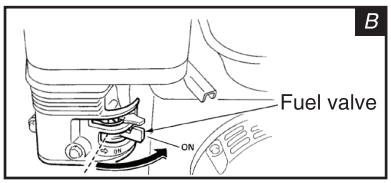
OPERATION

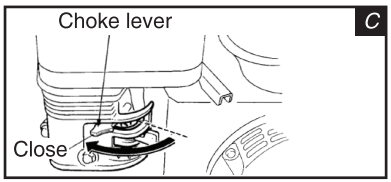
STARTING THE WATER PUMP

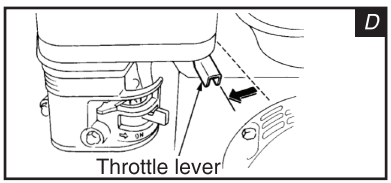
CAUTION: Improperly maintaining this pump or failing to correct a problem before operation could cause a malfunction in which you could be injured or your pump could be seriously damaged. Always perform an inspection prior to each use an correct any potential issue.

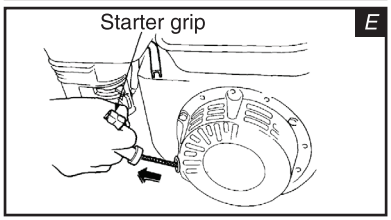
1. ALWAYS check the pump housing before each use to ensure sufficient water is in there prior to use. *(A)*
2. Prime the pump for new starts and after storage
3. Remove the priming plug from the top of the water pump and completely fill the pump with water until it spills out of the outlet coupler.
4. Replace the priming plug into the top of the water pump.
5. Move the fuel valve lever to the ON position. *(B)*
6. To start a cold engine, move the choke lever to the CLOSED position (to restart a warm engine, leave the choke lever in the OPEN position). *(C)*
7. Move the throttle lever away from the MIN position, about 1/3 of the way toward the MAX position. *(D)*
8. Turn the engine switch to the ON position
9. Pull the starter grip lightly until you feel resistance, then pull quickly, repeat if required. Once engine is started, return the starter grip gently. *(E)*
10. If the choke lever was moved to the CLOSED position to start the engine, gradually move it to the OPEN position as the engine warms up.
11. Move the throttle lever to the desired engine speed as required.











STOPPING THE WATER PUMP

During normal operation, use the following steps to stop your water pump.

NOTICE: To stop the engine in an emergency, simply turn the engine switch to the OFF position. Under normal conditions, use the following procedure.

Move the throttle lever to the MIN. position.
Move the engine switch to the OFF position
Move the fuel valve lever to the OFF position

MAINTENANCE

To keep the water pump at optimal performance, checking over it periodically and regular maintenance and service will extend it service life.

NOTE: Before performing any maintenance to the water pump, ensure the engine is stopped and turned off.

MAINTENANCE SCHEDULE

Item		Before Use	1 Month or 20 Hr	3 Month or 50 Hr	6 Month or 100 Hr	12 Month or 300 Hr
Engine Oil	Level	✓				
	Change		✓		✓	
Air Cleaner	Level	✓				
	Clean				✓	
Spark Plug				✓		✓
Valve Clearance						✓
Combustion		Every 500 Hours				
Spark Eliminator		Every 100 Hours				
Fuel Line		Every 1 Year				
Impeller Check						✓
Water Pump Tank						✓
Water Inlet Valve Check						✓

Use of the water pump in extremely dusty conditions means it should be serviced more frequently. All servicing of the engine and pump should be done by an authorised dealer who has the correct tools and is qualified mechanically.

For any engine maintenance, please refer to the Honda Engine owners manual for all relevant service and maintenance information.

CLEANING OF WATER PUMP

Debris and dirt deposits can build up on the inside of the water pump housing, such deposits may remain inside after use and reduce the performance of the pump and cause damage to the impeller.

Before storage, operate the pump using fresh, clean water to wah out the internal pump, failure to do so may cause damage to your water pump. After a fresh water flush, stop the pump and allow to cool, then remove the drain plug from the bottom of the pump housing and drain all water thoroughly and reinstall the plug prior to storage.

If the pump is not going to be used for a prolonged period, it is best practice to empty any residual fuel from the fuel tank.