

OWNER'S MANUAL

Assembly & Operating Instructions



POWER TROWEL

PT36.V24



Thank you for choosing our Equipment. It was carefully engineered to provide excellent performance when properly operated and maintained.

Please read this entire manual before operating the Equipment. It instructs you on how to set up, operate, and maintain your Equipment safely and easily. Ensure that you and any other persons operating the Equipment carefully follow the recommended safety practices at all times, as failure to do so could result in personal injury or property damage.

All information in this manual is relevant to the most recent product information available at the time of printing. Review this manual frequently to familiarize yourself with the machine, its features, and operation. Please note that this Owner's Manual may cover a range of product specifications for various models. Characteristics and features discussed and/or illustrated in this manual may not be applicable to all models. We reserve the right to change product specifications, designs, and equipment without notice and without incurring obligation.

All the power testing information used to establish the power rating of the engine equipped on this Equipment can be found in the engine manufacturer's manual or website. If you encounter any problems or have questions about the machine, please contact our Customer Support Department.

Throughout this manual, all references to the right and left side of the Equipment are observed from the operating position. The engine manufacturer is responsible for all engine-related issues concerning performance, power-rating, specifications, warranty, and service. Refer to the engine manufacturer's Owner's Manual, packed separately with your Equipment, for more information.

Customer Support

Before initiating a product return, kindly reach out to our dedicated Customer Support Department at Bigger Boyz Toyz. We are here to assist you.

Phone: 02 4257 4787

Email: bbt@bbta.com.au

Warehouse: Unit 2/3 Delta Place, Albion Park Rail NSW 2527

If you have difficulty assembling the product or have any questions about the controls, operations, or maintenance of the equipment, please don't hesitate to get in touch with our Customer Support Department.

CONTENTS

SAFETY & ALERT SYMBOLS	4
FOR YOUR SAFETY AND THE SAFETY OF <u>OTHERS!</u>	4
ADDITIONAL INFORMATION AND POTENTIAL CHANGES	4
HAZARDS SYMBOLS	5
GENERAL SAFETY	6
TRANSPORTING	7
MAINTENANCE.....	7
EMERGENCIES.....	7
ADDITIONAL HAZARD	7
ASSEMBLY	8
GENERAL INFORMATION	14
STRUCTURE.....	14
OPERATION	14
MAINTENANCE SCHEDULE	16
TROUBLESHOOTING	17
OPTIONAL ACCESSORIES	18
BLADES	18
FLOAT PAN	18
REPLACEMENT PARTS LIST	20
PT36 SPARE PARTS LIST.....	20

SAFETY & ALERT SYMBOLS

FOR YOUR SAFETY AND THE SAFETY OF OTHERS!



Safety precautions should be followed all the time when operating this equipment. Failure to read and understand the Safety Messages and Operating Instructions could result in injury to yourself and others



This Operating Instructions has been developed to provide complete instructions for the safe and efficient operation of this equipment. Refer to the engine manufactures instructions for data relative to its safe operation.

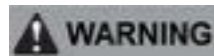


WARNING: Read and thoroughly understand all instructions in this equipment and on the safety decals before assembling or operating this equipment. Failure to do so may cause serious injury or death. Do not allow anyone to operate this equipment who has not read this manual. As with all power equipment, this equipment can be dangerous if assembled or used improperly. Do not operate this equipment if you have any questions concerning its safe operation. Contact our Customer Support Department for assistance in addressing any queries or concerns.

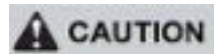
This SAFETY ALERT SYMBOL identifies important safety messages in this manual. Failure to follow this important safety information may result in serious injury or death.



DANGER indicates a hazardous situation which, if not avoided, will result in serious injury or death.



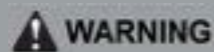
WARNING indicates a hazardous situation which, if not avoided, could result in serious injury or death.



CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

ADDITIONAL INFORMATION AND POTENTIAL CHANGES

We reserve the right to discontinue, change, and improve our products at any time without notice or obligation to the purchaser. The descriptions and sections contained in this manual were in effect at the time of printing. Equipment described within this manual may be optional. Some illustrations may not be applicable to your machine.



Your Responsibility—Restrict the use of this power machine to persons who have read, understood, and will follow the warnings and instructions in this manual and on the machine
SAVE THESE INSTRUCTIONS!

HAZARDS SYMBOLS

Potential hazards associated with the operation of this equipment will be referenced with Hazard Symbols which appear throughout this manual.

	READ THE OWNER'S MANUAL(S) : Read, understand and follow all instructions in the manual(s) before attempting to assemble and operate.
	FACE PROTECTION : Always wear safety goggles or safety glasses with side shields or a face shield when operating this product as well as ear protection.
	WEAR GLOVES : Always wear non-slip, heavy-duty protective gloves when operating this product.
	WEAR SAFETY FOOTWEAR : Always wear non-slip steel-toed safety footwear when operating this product.
	BEWARE OF ROTATING BLADES : This equipment has a rotating cutting blade capable of amputating hands and feet and throwing objects. Keep hands and feet out of openings while machine is running. Failure to observe these safety instructions could result in serious injury or death.
	BEWARE OF FLYING OBJECTS : Beware of thrown objects, which can ricochet causing serious injury to the eyes. Always wear eye & ear protection when operating.
	Never wear loose clothes or long jewellery and keep your long hair secured when operating machine. Never operate this machine in bare feet or sandals. Never use machine on a slope or hard smooth floor.
	CARBON MONOXIDE AND GAS : Exhaust contains poisonous carbon monoxide, a colourless and odourless gas. Breathing exhaust fumes can cause loss of consciousness and may lead to death.
	RESPIRATORY HAZARDS : ALWAYS wear approved respiratory protection when required.
	PETROL OIL : Petrol is extremely flammable and the vapours are explosive. Serious personal injury can occur when petrol is spilled on you or your clothing, which can ignite. In the event of a petrol spill, wash your skin and change clothes immediately.
	BURN HAZARDS : Engine components can produce intense heat. To avoid burns, DO NOT touch these areas while the engine is running or right after operations. Never operate the engine with removed heat shields or guards.
	DO NOT use in the rain.
	ACCIDENTAL STARTING HAZARDS : Always place the ON/OFF switch in the OFF position when the equipment is not in use.

GENERAL SAFETY

- » DO NOT operate or service this equipment before reading this entire manual.
- » This equipment should not be operated by persons under 18 years of age.
- » NEVER operate this equipment without proper protective clothing, shatterproof glasses, steel-toed boots, and other protective devices required for the job.
- » NEVER operate this equipment when not feeling well due to fatigue, illness, or taking medicine.
- » NEVER operate this equipment under the influence of drugs or alcohol.
- » ALWAYS wear proper respiratory (mask), hearing, and eye protection equipment when operating this equipment.
- » Whenever necessary, replace the nameplate, operation, and safety decals when they become difficult to read.
- » The manufacturer does not assume responsibility for any accidents due to equipment modifications.
- » NEVER use accessories or attachments that are not recommended for this equipment. Damage to the equipment and/or injury to the user may result.
- » NEVER touch the hot exhaust manifold, muffler, or cylinder. Allow these parts to cool before servicing the engine or this equipment.
- » High Temperatures – Allow the engine to cool before adding fuel or performing service and maintenance functions. Contact with hot components can cause serious burns.
- » The engine section of this equipment requires an adequate free flow of cooling air. NEVER operate this equipment in any enclosed or narrow area where the free flow of air is restricted; it will cause serious damage to the equipment or engine and may cause injury to people.

- » ALWAYS refuel in a well-ventilated area, away from sparks and open flames.
- » ALWAYS use extreme caution when working with flammable liquids. When refuelling, stop the engine and allow it to cool.
- » NEVER operate this equipment in an explosive atmosphere or near combustible materials. An explosion or fire could result, causing severe bodily harm or even death.
- » DO NOT smoke around or near the machine. Fire or explosion could result from fuel vapours, or if fuel is spilled on a hot engine.
- » Topping-off to the filter port is dangerous, as it tends to spill fuel.
- » Stop the engine when leaving the equipment unattended.
- » Maintain this equipment in a safe operating condition at all times.
- » ALWAYS stop the engine before servicing, adding fuel and oil.
- » NEVER run the engine without an air filter. Severe engine damage may occur.
- » ALWAYS service the air cleaner frequently to prevent carburetor malfunctions.
- » ALWAYS check the equipment for loosened threads or bolts before starting.
- » ALWAYS ensure the operator is familiar with proper safety precautions and operational techniques before using the equipment.
- » ALWAYS store equipment properly when it is not being used. Equipment should be stored in a clean, dry location out of the reach of children.
- » DO NOT operate this equipment unless all guards and safety devices are attached and in place.
- » CAUTION must be exercised while servicing this equipment.
- » Keep all inexperienced and unauthorized people away from the equipment at all times.
- » Unauthorized equipment modifications will void all warranties.

- » NEVER pour or spray water over the engine.
- » Test the engine ON/OFF switch before operating. The purpose of this switch is to shut down the engine of the equipment.
- » Refer to the Engine User's Manual for engine technical questions or information recommended for the equipment.

TRANSPORTING

- » ALWAYS shut down the engine before transporting.
- » Tighten the fuel tank cap securely and close the fuel cock to prevent fuel from spilling.
- » Drain fuel when transporting the equipment over long distances or bad roads.
- » When placing the equipment inside a truck bed for transport, always tie down the equipment.

MAINTENANCE

- » NEVER lubricate components or attempt service on a running equipment.
- » ALWAYS allow the equipment a proper amount of time to cool before servicing.
- » Keep the equipment in proper running condition.
- » Fix damage to the equipment immediately and always replace broken parts.
- » Dispose of hazardous waste properly. Examples of potentially hazardous waste are used motor oil, fuel, and fuel filters.
- » DO NOT use wooden or plastic containers to dispose of hazardous waste.

EMERGENCIES

- » ALWAYS know the location of the nearest fire extinguisher and first aid kit.
- » In emergencies, always know the location of the nearest phone or keep a phone on the job site. Also, know the phone numbers of the nearest ambulance, doctor, and fire department. This information will be invaluable in the case of an emergency.

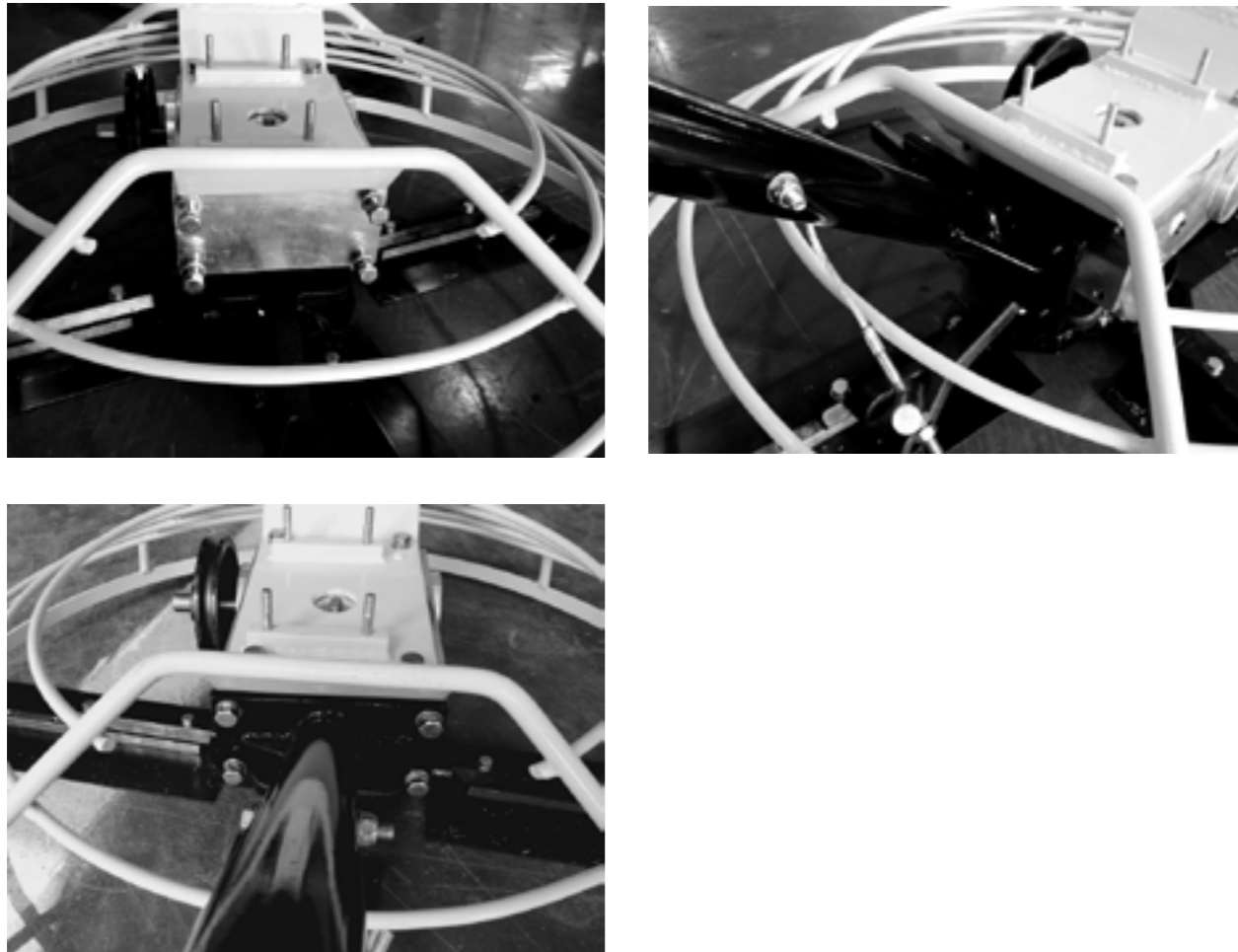
ADDITIONAL HAZARD

Dispose of potentially hazardous waste properly. Items such as motor oil, fuel, and filters should be placed in rigid containers for safe containment. Avoid using old food or beverage containers for this purpose. Refrain from pouring waste oil or fuel directly onto the ground, down drains, or into water sources. It is important to inquire about the specific disposal procedures for waste fuel and oil in your local area.

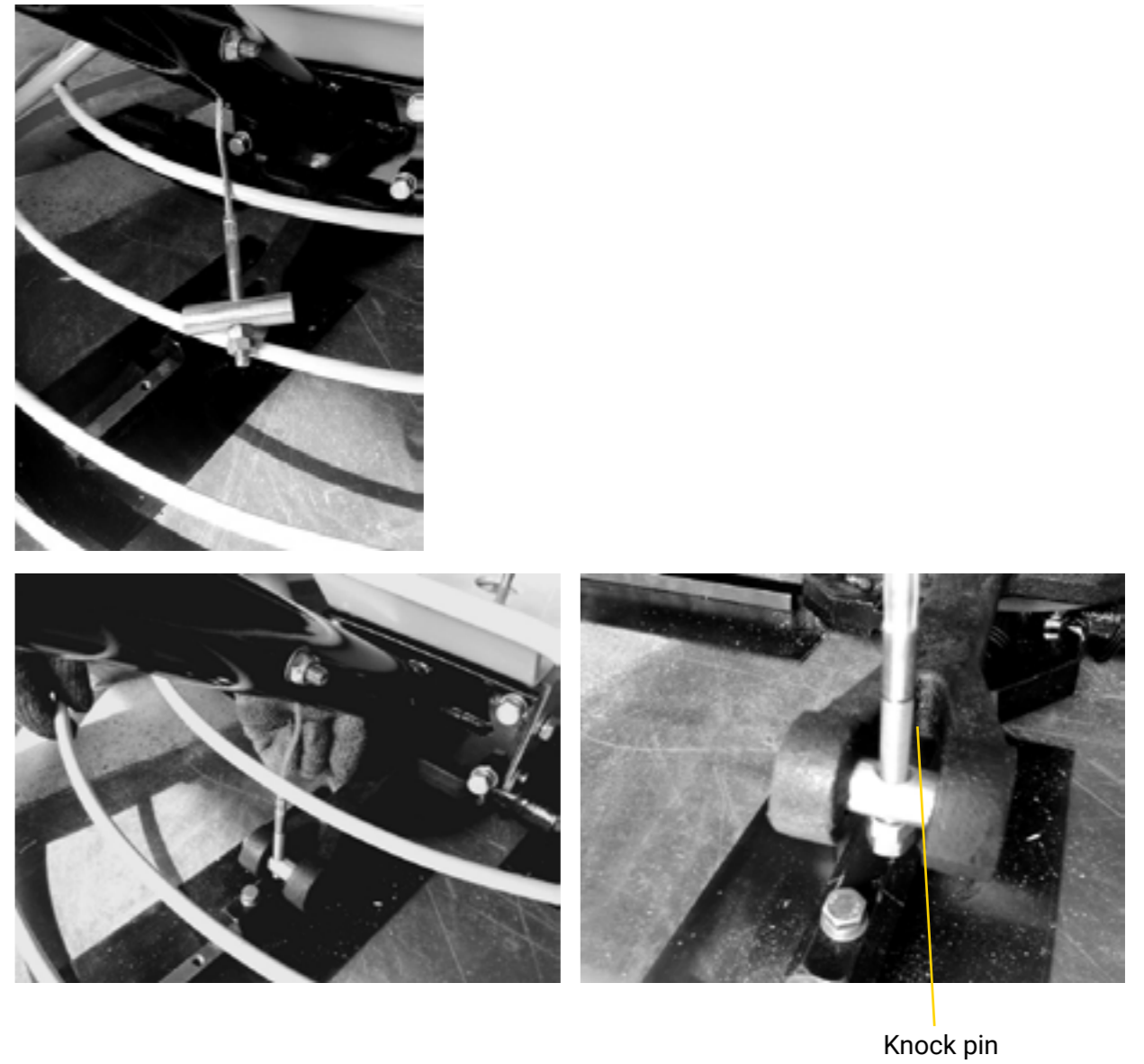
ASSEMBLY

NOTE: READ THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO ASSEMBLE ANY COMPONENTS.

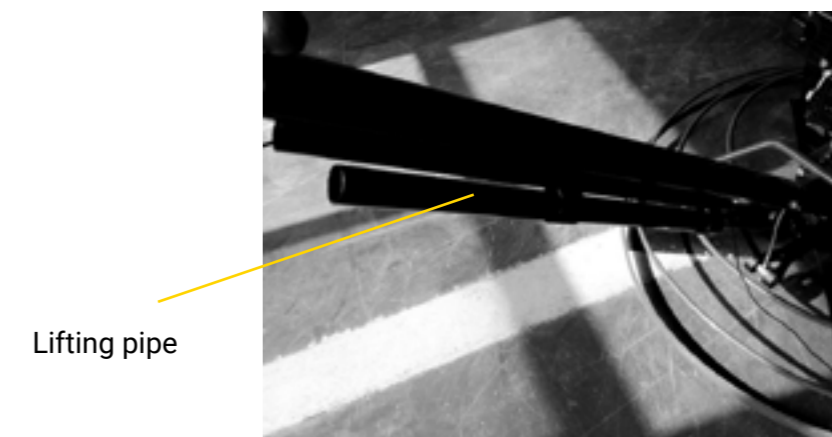
1. Remove the four bolts from the gear case, attach the handle pipe and fasten the bolts.



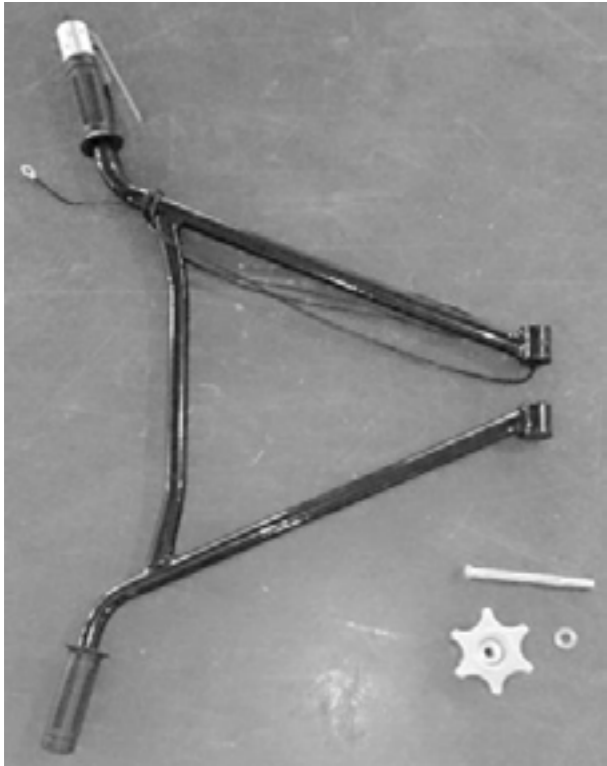
2. Remove the bolts from the adjusting cable, connect the cable to the knock pin, and fasten the bolts.



3. Insert the lifting pipe into the correct position of the handle pipe.



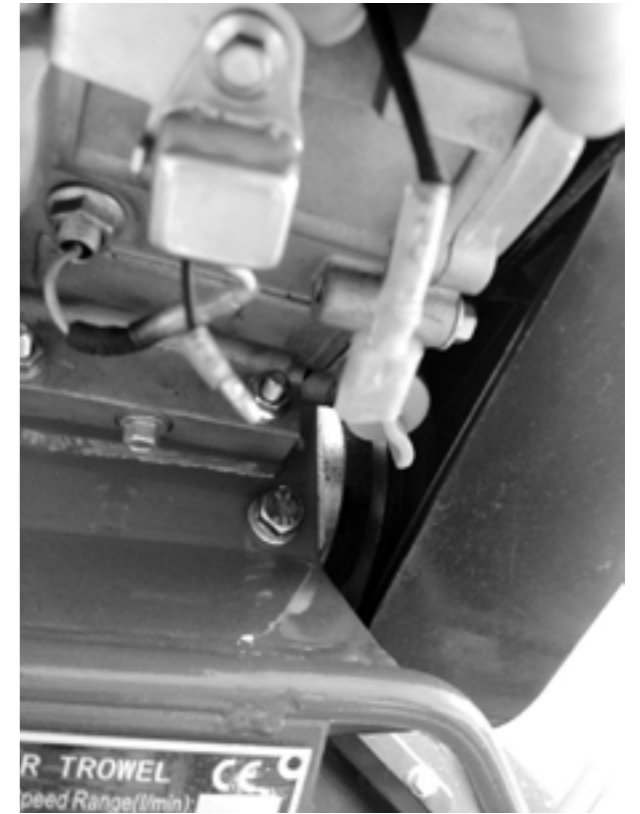
4. Remove the bolts from the handle, connect them to the handle pipe, and fasten the bolts.



5. Insert the connection part into the correct position on the engine and insert both the oil sensor cable from the engine and the engine stop switch cable from the handle into the connection part.

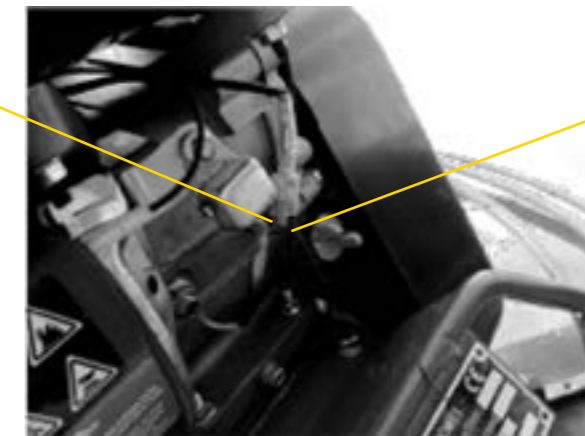


Connection Part

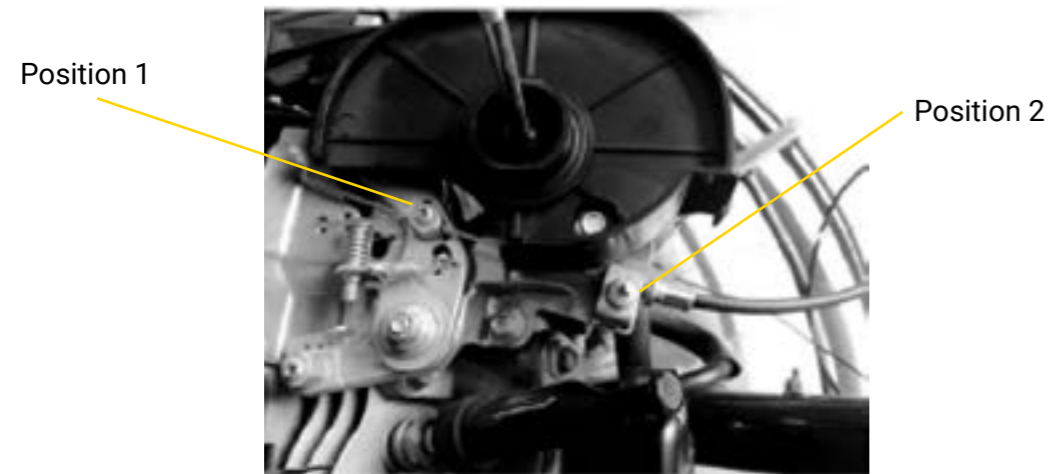
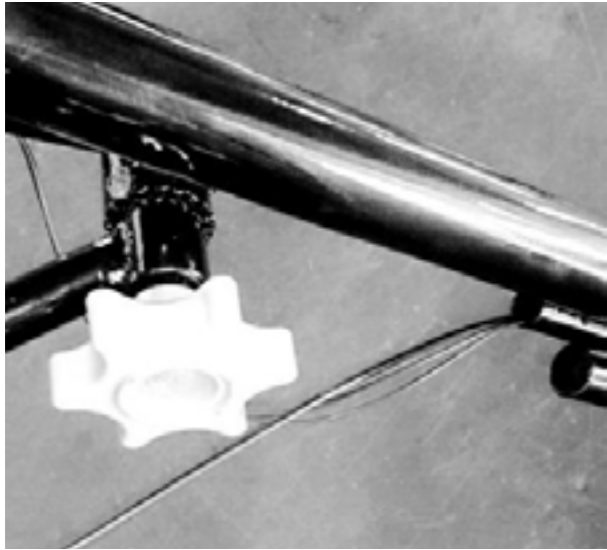


Oil Sensor Cable from Engine

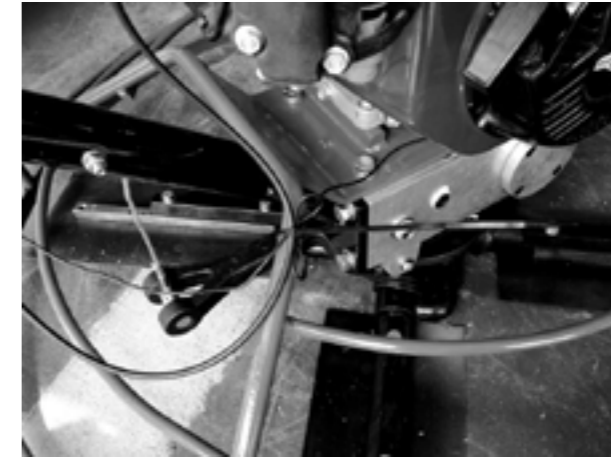
Engine Stop Switch Cable from Handle



6. Thread throttle cable through the handle pipe and secure throttle at the correct position on the handle. Remove the air filter on the engine, thread the throttle cable through two positions, and reassemble the air filter.



7. Fix the engine stop switch cable and throttle cable in the appropriate position using plastic ties.



Use appropriate heavy lifting procedures when handling the machine.
DO NOT LIFT THE MACHINE BY GUARD RINGS.

GENERAL INFORMATION

STRUCTURE

Engine stop switch

Your trowel comes with an engine stop switch, which should be tested every time the engine is started. NEVER disable or disconnect the engine stop switch, as it is a crucial safety feature. Disabling, disconnecting, or improperly maintaining the engine stop switch may result in injury.

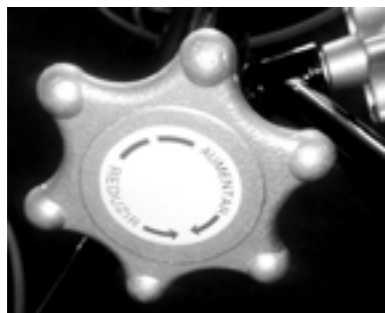
Note that some trowel models feature a hand-operated clutch instead of an engine stop switch. These units automatically stop rotating when the clutch lever is released. Test the clutch operation each time the machine is started.

Avoid letting the machine remain unused with the engine at high speed for an extended period, as this can lead to premature belt wear or belt damage. Always set the engine speed to idle when the hand clutch is disengaged.



Blade Pitch

Standard Handle For machines equipped with the standard handle, the pitch control is a large star-wheel knob located at the operator end of the main handle tube. Blade pitch can be adjusted by turning the knob. Clockwise rotation increases the blade pitch, while counter-clockwise rotation decreases it.



Engine Operation

Prior to starting the engine, inspect the lever. Due to the various engine options, please consult the engine owner's manual for specific instructions on engine operation.

Gearbox Oil Level

Inspect the gearbox oil level on a daily basis. Check the gearbox oil level by removing the plug situated on the side of the gearbox, clearly labeled "check." Exercise caution when removing plugs from the gearbox, as there are two of them. Remove the bottom plug to access the fill hole, positioned approximately halfway up the side of the gearbox.

OPERATION

The following steps provide a basic guide to machine operation and are not to be considered as a complete guide to concrete finishing:

1. Check oil levels in the engine and gearbox.
2. Ensure the fuel control valve is on and there is fuel in the tank.
3. Set the throttle to the idle position. NEVER start the engine with the throttle above idle.
4. Grasp the control handle with your left hand. Pull the starter rope slowly until resistance is felt, then pull briskly to start the engine. If the engine fails to start after several attempts, refer to the engine owner's manual.
5. After starting, let the engine warm up by idling for a few minutes.
6. Test the engine stop switch; if working correctly, the engine should stop.
7. Position yourself behind the handle with a secure foothold and a firm grip. Gradually increase the engine speed until the desired blade speed is achieved.
8. To manoeuvre the machine, gently lift or press down on the main trowel handle. Moving to the operator's left, lift the handle, and to the right, push down on the handle.
9. The recommended method for finishing concrete is to walk backward slowly with

the machine, guiding it from side to side. Always check behind you to avoid hazards before moving backward.

Clean up

NEVER allow concrete to harden on the power trowel. Immediately after use, wash any concrete off your trowel with water. Be careful not to spray water on the engine. An old paintbrush or broom may help loosen any concrete that has started to harden.

Coat the blades and blade arms with diesel fuel after cleaning. This should help prevent rusting and allow for easier cleanup in the future.

MAINTENANCE SCHEDULE

Daily (8-10 Hours)	Check the fluid levels in the engine and gearbox.
Weekly (50-60 Hours)	Lubricate arms, thrust collar and clutch.
	Replace the blades if necessary.
	Check and clean or replace the engine air filter as necessary.
Monthly (100-200 Hours)	Remove, clean, reinstall and lubricate the arms, thrust collar and clutch.
	Adjust the blade arms.
Yearly (200-2500 Hours)	Check and replace if necessary, the arm bushings, thrust collar bushing, Shaft seals and belt.
	Check adjusting cable for wear.

Checking Belt Tension:

The first indication of belt wear is a reduced blade speed despite the engine running at full speed. Inspect belts often for signs of damage or excessive wear. There is no method for manual adjustment of belt tension. Excessively worn belts must be replaced.

Look for these signs when checking if adjustment is necessary:

- » Is the machine wearing out blades unevenly (e.g. one blade is completely worn out while the others look new)?
- » Does the machine have a perceptible rolling motion?
- » Observe the machine while it is running.
- » Does the guard cover "rock up and down" relative to the ground?
- » These are indications that the blade pitch needs adjustment.

Changing a Blade:

We recommend changing all blades simultaneously to prevent wobbling or bouncing. Follow these steps:

1. Place the machine on a flat, level surface. Adjust the blade pitch control to make the blades as flat as possible. Note the blade orientation on the trowel arm.
2. Remove the bolts and lock washers on the trowel arm, then remove the blade.
3. Scrape all concrete particles from the trowel arm.
4. Install the new blade, maintaining the proper orientation for the direction of rotation.
5. Affix the bolts and lock washers.
6. Repeat steps 2-6 for all the remaining blades.



TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSES	CORRECTION
The engine can't be turned on	Engine Switch	Keep in "ON" Position
	Switch on Handle	Keep in "ON" Position
	Block Engine Wind Door Switch	Open
	Fuel Switch	Open
	Lack fuel	Add Petrol Fully
	Improper Fuel	Use Unleaded Petrol
	Fuel is unclean	Change Petrol
	Air Colander is unclean	Clean up the Air Colander
	Air Colander is wet	Change the Air Colander
	Cumulate Carbon in Spark Plug	Clean out Cumulate Carbon
	The Gap of Spark Plug is Improper	Adjust the gap (0.6-0.8mm)
The type of Spark Plug is incorrect	Change to the right Spark Plug	
Spark plug is wet	Clean up and draw many times	
The Power of Engine precarious	Wasting Petrol Machine is blocked	Seek the professional help or contact us
	Speedup pole is not orientated	Seek the professional help or contact us
The speed of Engine is too slow	Petrol door line is improper position (Enclose Picture C)	Adjust the petrol door line to proper position and fix up it or change
It is very exertive to start up the handle	Petrol door line is improper position	Adjust the Petrol door line o proper position and fix up it
The angle of blades improper	The tight wire of handle is loose	Fix up the tight wire newly or change
	The blade rest run primly	Maintain and Change
	The platen run primly	Maintain and Change
It is not good to operate and control the machine	The position of blades are improper	Fix up

Note: ONLY QUALIFIED AND EXPERIENCED PERSONNEL SHOULD OPERATE THIS EQUIPMENT

OPTIONAL ACCESSORIES

BLADES

NOTE: CHANGE BLADES WHEN THEY NO LONGER ACHIEVE SATISFACTORY CONCRETE FINISH. Blades play a crucial role in concrete finishing. This trowel is equipped with high-quality blades made from premium trowel steel, designed to meet stringent quality standards. If replacement blades are required, refer to the parts list in this manual for part numbers and place an order with your authorized parts dealer or importer.



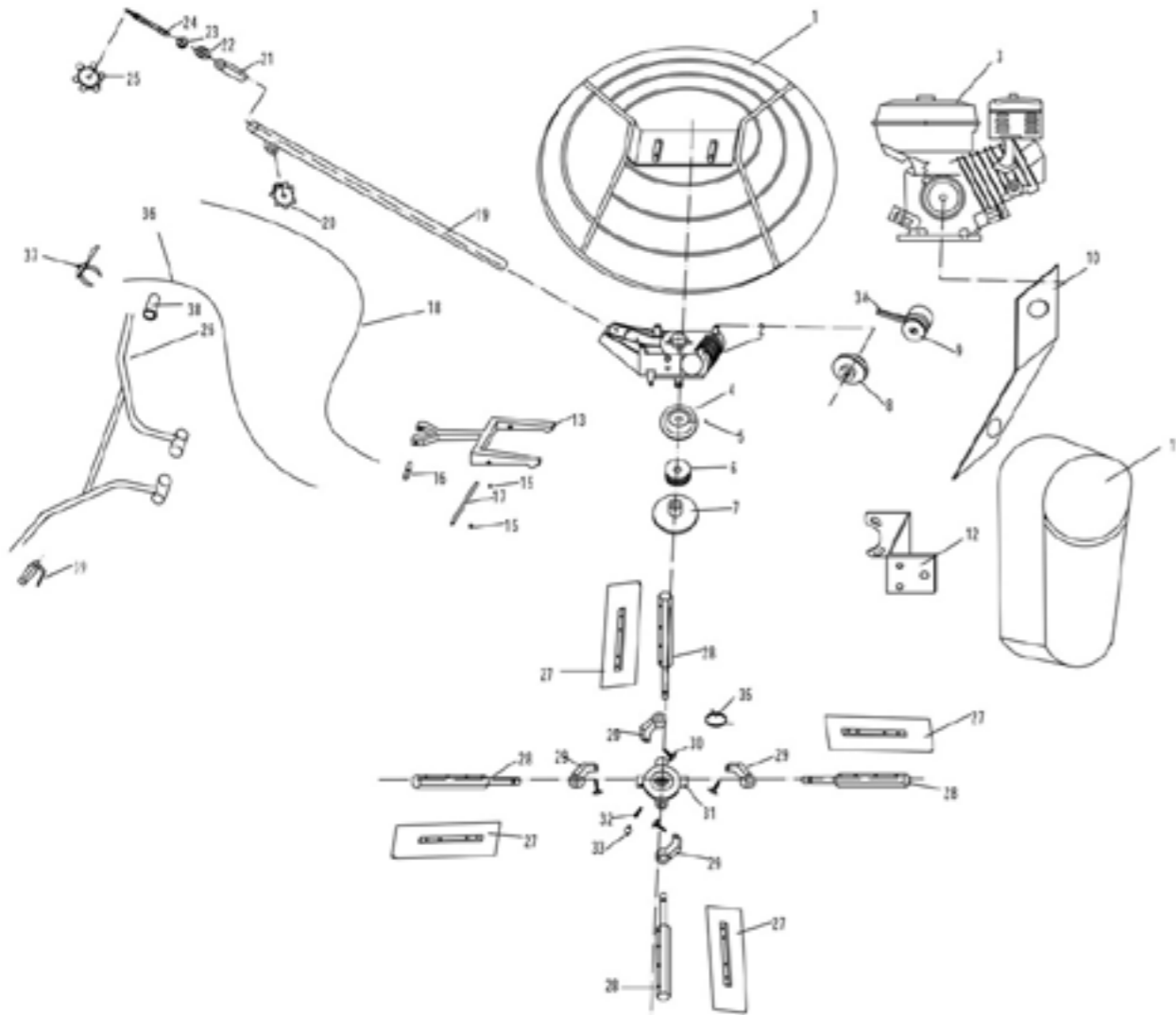
FLOAT PAN

The circular pan is affixed to the cross, enabling the machine to “float” on “wet” concrete. The pan’s design facilitates early floating and smooth transition between wet and dry areas. Additionally, it proves highly effective in embedding large aggregates and surface hardeners.



REPLACEMENT PARTS LIST

PT36 SPARE PARTS LIST



PART NO.	DESCRIPTION	QYT
PT3601	Guard cover	1
PT3602	Reduction box	1
PT3603	Engine	1
PT3604	Small plate	4
PT3605	Straight nozzle	4
PT3606	Plane bearing	1

PART NO.	DESCRIPTION	QYT
PT3607	Bigger plate	1
PT3608	Pulley	1
PT3609	Clutch	1
PT3610	Lifting plate	1
PT3611	Belt cover	1
PT3612	Bracket,belt cover	1
PT3613	Knock pin	1
PT3615	Circlip	1
PT3616	Pin rod	1
PT3617	Knock pin shaft	1
PT3618	Adjusting cable	1
PT3619	Handle pipe	1
PT3620	Handle wheel A	1
PT3621	Screw stem nut	1
PT3622	Fixing seat for plane bearing	1
PT3623	Plane bearing51104	1
PT3624	Adjusting screw stem	1
PT3625	Handle wheel B	1
PT3626	Handle	1
PT3627	Blade350*150*1.7mm	1
PT3628	Blade fixer	4
PT3629	Adjusting device	
PT3630	Cross screw	4
PT3631	Cross	1
PT3632	Fixing screw	8
PT3633	Bending nozzle	4
PT3634	V-belt	1
PT3635	Torsional spring	4
PT3636	Throttle cable	1
PT3637	Throttle lever	1
PT3638	Grip	2
PT3639	Red switch, engine stop	1
PT3639	Silver switch, engine stop (optional)	1
PT3639	Triangular switch with red ball, engine stop (optional)	1
	Cable roller (Nylon)	1
	Iron pan (Optional)	1



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Unit 2/3 Delta Place Albion Park Rail NSW 2527 • 02 4257 4787

