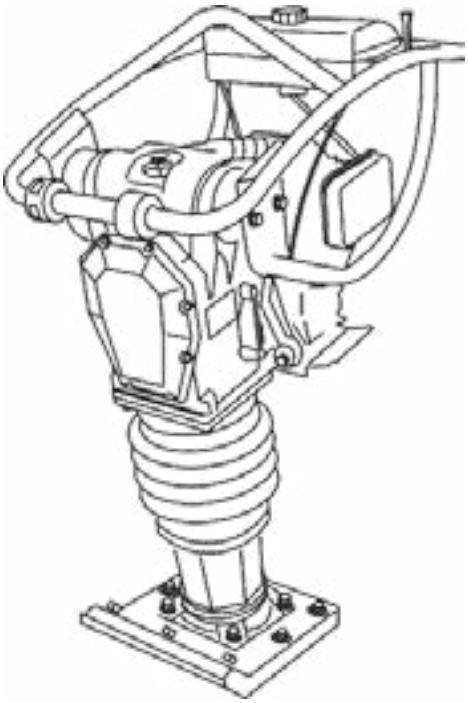
OWNER'S MANUAL

Assembly & Operating Instructions



TAMPING RAMMER

TRM72.V24

N23701 CE

BIGGER BOYZ TOYZ
COMMERCIAL

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

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

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

⚠ CAUTION **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.

⚠ WARNING
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!**

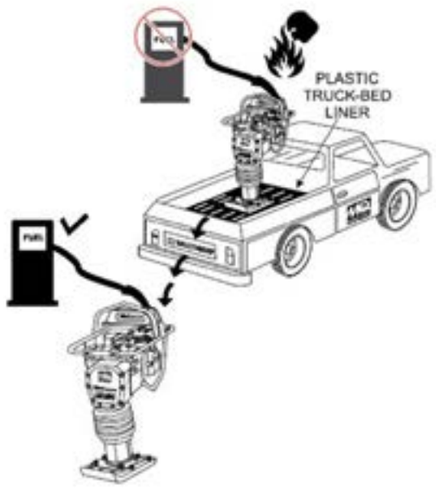
HAZARDS SYMBOLS

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.

DANGER

Refueling Hazard



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 the 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 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 the 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. Remember, the rammer's engine gives off DEADLY carbon monoxide gas.

» 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 the 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 machine 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.

GENERAL INFORMATION

APPLICATION

The tamping rammer is a powerful compacting tool capable of applying a tremendous force in consecutive impacts to a soil surface. Its applications include soil compacting for road, embankments and reservoirs as well as backfilling for gas pipelines, water pipelines and cable installation work. Circular motion is converted to create an impact force. The tamping rammer develops a powerful compacting force at the foot of the rammer. Ensuring optimal performance necessitates diligent attention to proper operation and regular servicing.

CONSTRUCTION

The tamping rammer is equipped with an air-cooled, four-cycle petrol engine. Power transmission occurs through the elevation of the engine speed to engage the centrifugal clutch.

CONTROLS

Prior to starting the tamping rammer, it is crucial to identify and comprehend the functions of the controls.

Figure 1: illustrates the locations of the controls and components for the tamping rammer. The functions of each control are detailed below:

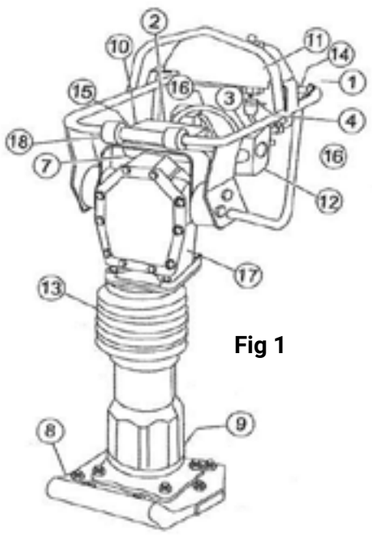


Fig 1

1. **Throttle Lever:** Manages engine speed and the tamping action of the rammer.
2. **Engine Stop Switch:** Regulates the starting and stopping of the engine. The switch must be in the “ON” position when starting the engine.
3. **Choke Lever:** Utilised during engine startup, especially in cold weather conditions. In cold weather, position the choke lever to the fully closed position; in warm weather, set the choke lever halfway or completely open.
4. **Fuel Shut-Off Valve:** Supplies fuel from the fuel tank to the engine. To initiate fuel flow, move the fuel shut-off valve downward.
5. **Pre-Cleaner:** Pre-cleans (first stage) dirt and other debris to prevent them from entering the engine.
6. **Foot:** Laminated wood with a tempered steel plate for superior shock absorption.
7. **Oil Level Sight Glass:** Indicates the oil level in the oil bath reservoir.
8. **Recoil Starting Handle:** Used during engine startup. Pull the starter handle sharply and quickly, then return it to the starter case before releasing.
9. **Fuel Tank/Cap:** Poly fuel tank to prevent rust and corrosion. Remove this cap to add petrol.
10. **Engine Air Cleaner:** Prevents dirt (second stage) and other debris from entering the engine.
11. **Bellows:** Reservoir for the oil bath.
12. **Handle:** To operate the rammer, grip the handle assembly firmly on both sides.
13. **Muffler:** Reduces noise and emissions.
14. **Spark Plug:** Provides spark to the ignition system. Replace it with the engine manufacturer’s recommended type of spark plug.
15. **Nameplate:** Displays information regarding the rammer.

Understanding and familiarising oneself with these controls is essential for the proper and safe operation of the tamping rammer.

BASIC ENGINE

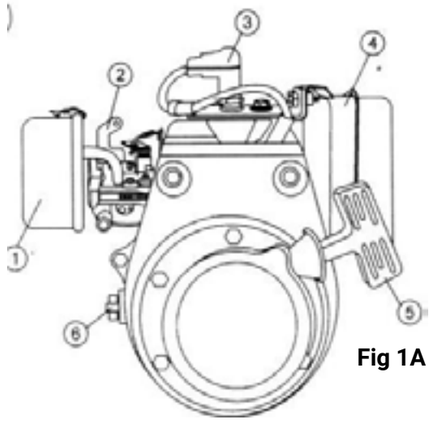


Fig 1A

Before operating, ensure that the engine (Fig 1A) undergoes a thorough check for proper lubrication and is filled with fuel. Consult the Engine User’s Manual for detailed instructions.

1. **Secondary Air Cleaner:** To prevent dirt and other debris from entering the fuel system, remove the wing-nut on top of the air filter canister to gain access to the filter element.
2. **Choke Lever:** When starting the engine, use the choke lever, especially in cold weather conditions. In cold weather, turn the choke lever to the fully closed position, and in warm weather, set the choke lever halfway or completely open.
3. **Spark Plug:** This component provides spark to the ignition system. Set the spark plug gap to 0.6–0.7 mm (0.024–0.028 inch) and clean the spark plug once a week.
4. **Muffler:** Utilized to reduce noise and emissions during operation.
5. **Recoil Starter (pull rope):** Manual starting method. Pull the starter grip until resistance is felt, then pull briskly and smoothly.
6. **Engine ON/OFF Switch:** Regulates the starting and stopping of the engine.

⚠ WARNING

Engine components can generate extreme heat. To prevent burns, DO NOT touch these areas while the engine is running or immediately after operating. NEVER operate the engine with the muffler removed.

NOTE: Operating the engine without an air filter, with a damaged air filter, or with a filter in need of replacement will allow dirt to enter the engine, leading to rapid engine wear.

OPERATION

This section is intended to assist the operator with the initial start-up of the Tamping Rammer. It’s extremely important that this section should be read carefully before attempting to operate the rammer.

DO NOT use your rammer until this section is thoroughly understood.

⚠ CAUTION

READ MANUAL - Failure to comprehend the operation of the Tamping Rammer could lead to severe damage to the equipment or personal injury.

CHECK SPRING CYLINDER OIL BATH

This unit utilises an oil bath lubrication system. Follow these steps:

1. Check the oil level through the oil level sight glass (Fig 2) located at the rear of the tamper foot.
2. If the oil is not visible, add Mobil ISO VG46 or another oil with the same standard into the oil fill plug opening (Fig 2). The bath contains approximately 1000 cc.

Fig 2

NOTE: Maintain the oil level at the halfway point of the sight glass.

CHECK ENGINE

1. Fill the fuel tank (Fig 3) with unleaded petrol. Concurrently, inspect the engine oil, and establish a routine for frequent replenishment.

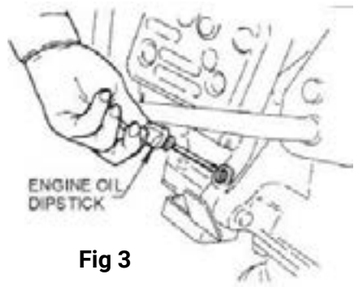
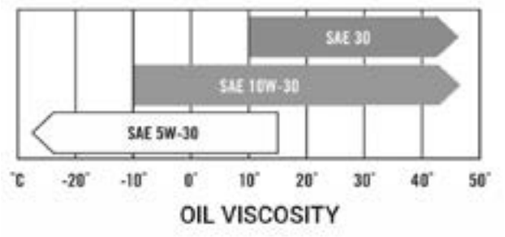


Fig 3

Fig 4

2. Insufficient oil levels may lead to engine seizure, given the increased consumption during operations.
3. Examine the engine oil level (Fig 4), and if it is low, promptly refill it using the recommended motor oil outlined in the table below.



INSPECTION

1. Inspect all nuts, bolts, and fasteners for tightness. Retighten as needed.
2. Remove any dirt from the recoil starter and foot pedestal. Wipe the entire unit clean before commencing operation.
3. Replace any missing or damaged Safety Operations decals.
4. Adjust the handle's height by loosening the nuts and moving the handle to accommodate the operation. Retighten the nuts.

START

1. Open the fuel shut-off valve by shifting the fuel cock lever to the OPEN position (Fig 5), then adjust the engine start/stop switch to the START position.

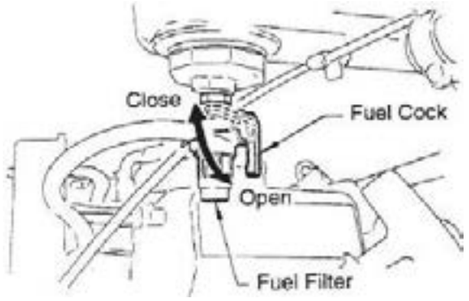


Fig 5

2. Set the engine ON/OFF switch (Fig 6) to the ON position to initiate the start.

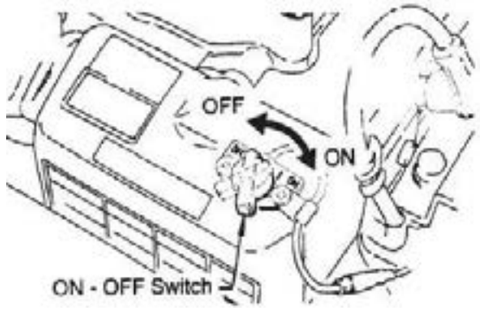


Fig 6

3. Close the choke lever (Fig 7) and move the throttle lever to the Full Open position. Rotate the choke lever 90 degrees clockwise to close it. In cold weather, commence starting with the choke fully closed. In warmer weather or when the engine is already warm, the unit can be started with the choke halfway or completely open.

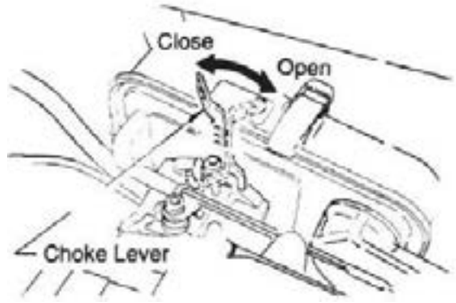


Fig 7

4. Grasp the recoil starter handle (Fig 8) and pull it until you feel slight resistance. Then, pull sharply and quickly. Return the recoil starter handle to the starter case before releasing.

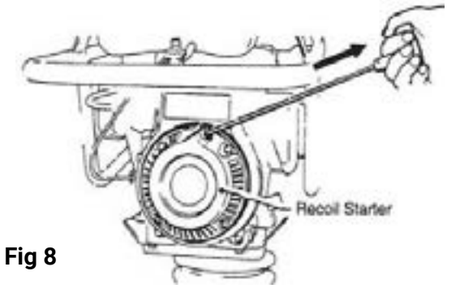
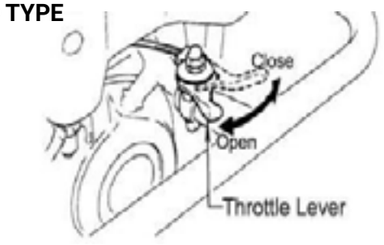


Fig 8

5. If the engine fails to start, adjust the choke lever (Fig 7) to the half-open position to prevent flooding.
6. Repeat steps 1 to 4.
7. If the engine still does not start after repeated attempts, examine the spark plug for excess fuel. Clean and replace the spark plug as necessary.
8. To initiate the tamping rammer action, swiftly move the throttle lever (Fig 9) from IDLE (close) to the FULL OPEN position. Avoid moving the throttle lever slowly to prevent potential damage to the clutch or spring. Note that for the NEW TYPE throttle lever, obtain an O-ring from the manual and accessories bag and secure it in the throttle lever as shown in Fig 10.

OLD TYPE



NEW TYPE

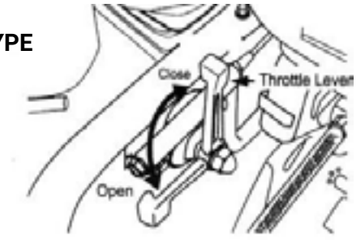


Fig 9

Fig 10

⚠ CAUTION

1. Ensure that the throttle lever is positioned at the FULL OPEN position. Operating the rammer at speeds less than full can potentially cause damage to the clutch springs or foot.
2. The Tamping Rammer is specifically engineered to operate at 4,000 rpm. At this optimal rpm, the foot delivers impacts at a rate of 680 per minute. Adjusting the throttle speed

STOP ENGINE

1. Swiftly move the throttle lever from the FULL OPEN to the IDLE position (Fig 11) and allow the engine to run for three minutes at low speed. After the engine cools, turn the engine start/stop switch to the “STOP” position (Fig 6) until the engine comes to a complete stop.
2. Close the fuel shut-off valve by shifting the fuel cock lever to the CLOSED position. Refer to Fig 5.

OLD TYPE

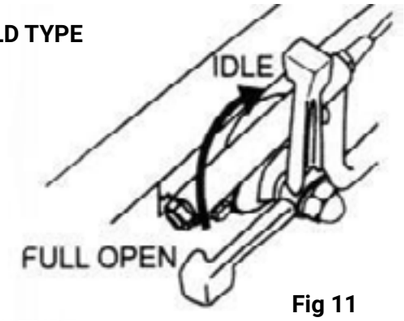
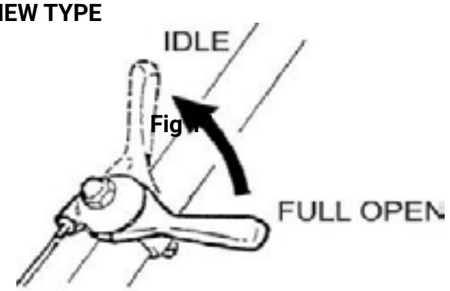


Fig 11

NEW TYPE



Fig

Emergency Showdown

Swiftly move the throttle lever to the IDLE position, and turn the engine START/STOP switch to the STOP position.

MAINTENANCE

DAILY

» Thoroughly remove dirt and oil from the engine and control area.

» Clean or replace the air cleaner elements as necessary.

» Check and retighten all fasteners as necessary.

» Inspect the spring box and bellows for oil leaks. Repair or replace as needed.

WEEKLY

» Remove the fuel filter cap and clean the inside of the fuel tank.

» Remove or clean the filter at the bottom of the tank.

» Remove and clean the spark plug, then adjust the spark gap to 0.02~0.03 inch (0.6~0.7 mm). This unit has electronic ignition, which requires no adjustments.

» Clean the air cleaner cover.

200 – 300 HOURS

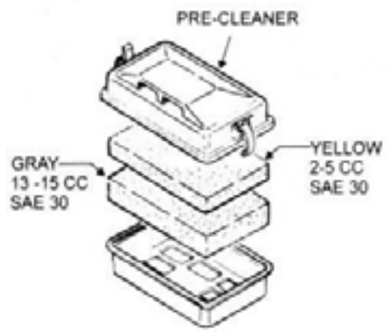


Fig 12 Optional Pre-Cleaner

» Remove the element from the pre-cleaner (Fig 12) at the top of the crankcase (body side) and clean it with cleaning oil (kerosene).

» Lubricate the top element (yellow) with 2~5cc of engine oil SAE-30.

» Lubricate the bottom element (grey) with 13~15cc of engine oil SAE-30 and completely squeeze out the excess oil from the element before installing.

» The air cleaner (Fig 13) on the engine side will hardly be contaminated. If it is, however, after cleaning the element with kerosene, dip it in mixed oil consisting of 3 parts of petrol and 1 part of engine oil. Then tightly squeeze the outer primary element (sponge) and shake off the inner secondary element well before installing them.

Fig 13 Engine Air Cleaner

200 – 300 HOURS (Oil Bath)

Drain the oil reservoir on the foot housing (Fig 14). Refill with approximately 1000cc of MOBIL ISO VG-46 or other oil with the same standard. Oil should be midway in the sight glass. Change the break-in oil after the first 50 hours.

Fig 14 Foot Housing Drain Plug

YEARLY

» Check the fuel line and the oil line regularly for damage and to ensure there are no leaks.

» Replace the oil and fuel lines every two years to maintain the performance and flexibility of the lines.

LONG TERM STORAGE

» Drain fuel from the fuel tank, fuel line, and carburetor.

» Remove the spark plug and pour a few drops of motor oil into the cylinder. Crank the engine 3 to 4 times so that oil reaches all internal parts.

» Clean the exterior with a cloth soaked in clean oil.

» Store the unit covered with a plastic sheet in a moisture-free and dust-free location out of direct sunlight.

TROUBLESHOOTING

ENGINE TROUBLESHOOTING

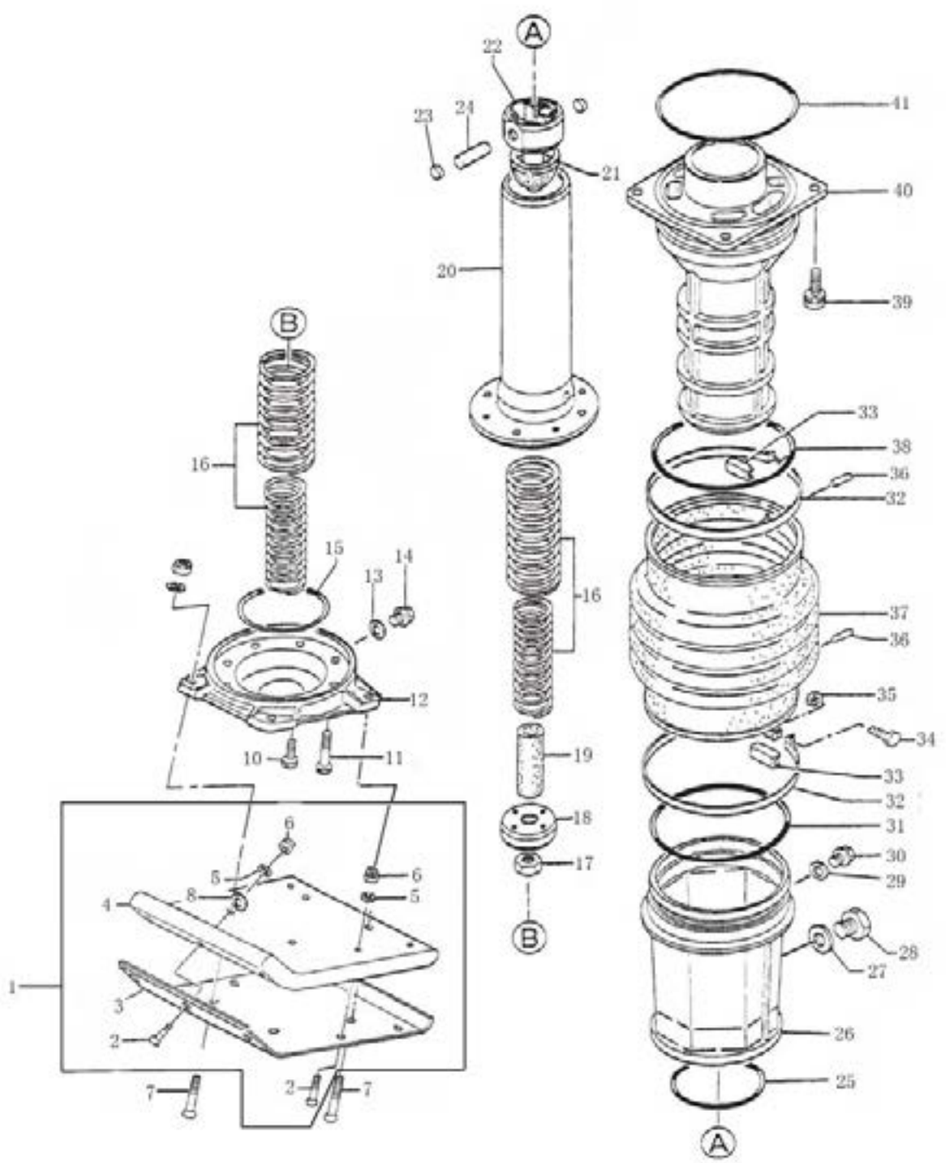
SYMPTOM	POSSIBLE PROBLEM	SOLUTION
Difficult to start		
Fuel is available but spark plug will not ignite. (Power available at high tension cable).	Ignition plug being bridge?	Check ignition system.
	Carbon deposit at ignition?	Clean or replace ignition.
	Short circuit due to effective insulators?	Replace insulators.
	Improper spark gap?	Set spark plug gap to the correct gap.
Fuel is available but spark plug will not ignite. (Power NOT available at high tension cable).	Short circuit at stop switch	Check stop switch circuit. Replace stop switch if defective.
	Ignition coil defective?	Replace ignition coil.
Fuel is available and spark plug ignites (compression normal).	Muffler clogged with carbon deposits?	Clean or replace muffler.
	Fuel in use inadequate (water, dust)?	Flush fuel system and replace with fresh fuel.
	Air Cleaner clogged?	Clean or replace air cleaner.
Fuel is available and spark plug ignites (compression low).	Defective cylinder head gasket?	Tighten cylinder head bolts or replace head gasket.
	Cylinder worn?	Replace cylinder.
	Spark plug loose?	Tighten spark plug
Operation not satisfactory		
Not enough power available (compression normal, no misfiring).	Air cleaner clogged?	Clean or replace air cleaner.
	Air in fuel line?	Bleed (remove air) from fuel line.
	Fuel level in carburetor float chamber improper?	Adjust carburetor float.
	Carbon deposits in cylinder?	Clean or replace cylinder.
Not enough power available (compression normal, misfiring)	Ignition coil defective?	Flush fuel system and replace with fresh fuel.
	Ignition plug often shorts?	Clean or replace crankcase.
	Fuel in use inadequate (water, dust)?	Clean or replace muffler.
Engine overheats	Combustion chamber?	Clean or replace crankcase.
	Exhaust or muffler clogged with carbon.	Clean or replace muffler.
	Spark plug heat value incorrect?	Replace spark plug with correct type spark plug.

RAMMER TROUBLESHOOTING

SYMPTOM	POSSIBLE PROBLEM	SOLUTION
Engine rotates but amplitude not uniform or does not strike.	Operation speed of throttle lever is incorrectly set?	Set throttle lever to correct position.
	Oil in excess?	Drain excess oil. Bring to correct level.
	Clutch slips?	Replace or adjust clutch.
	Spring Failure?	Replace spiral spring.
	Speed of engine improper?	Adjust engine speed to correct operating RPM setting.

REPLACEMENT PARTS LIST

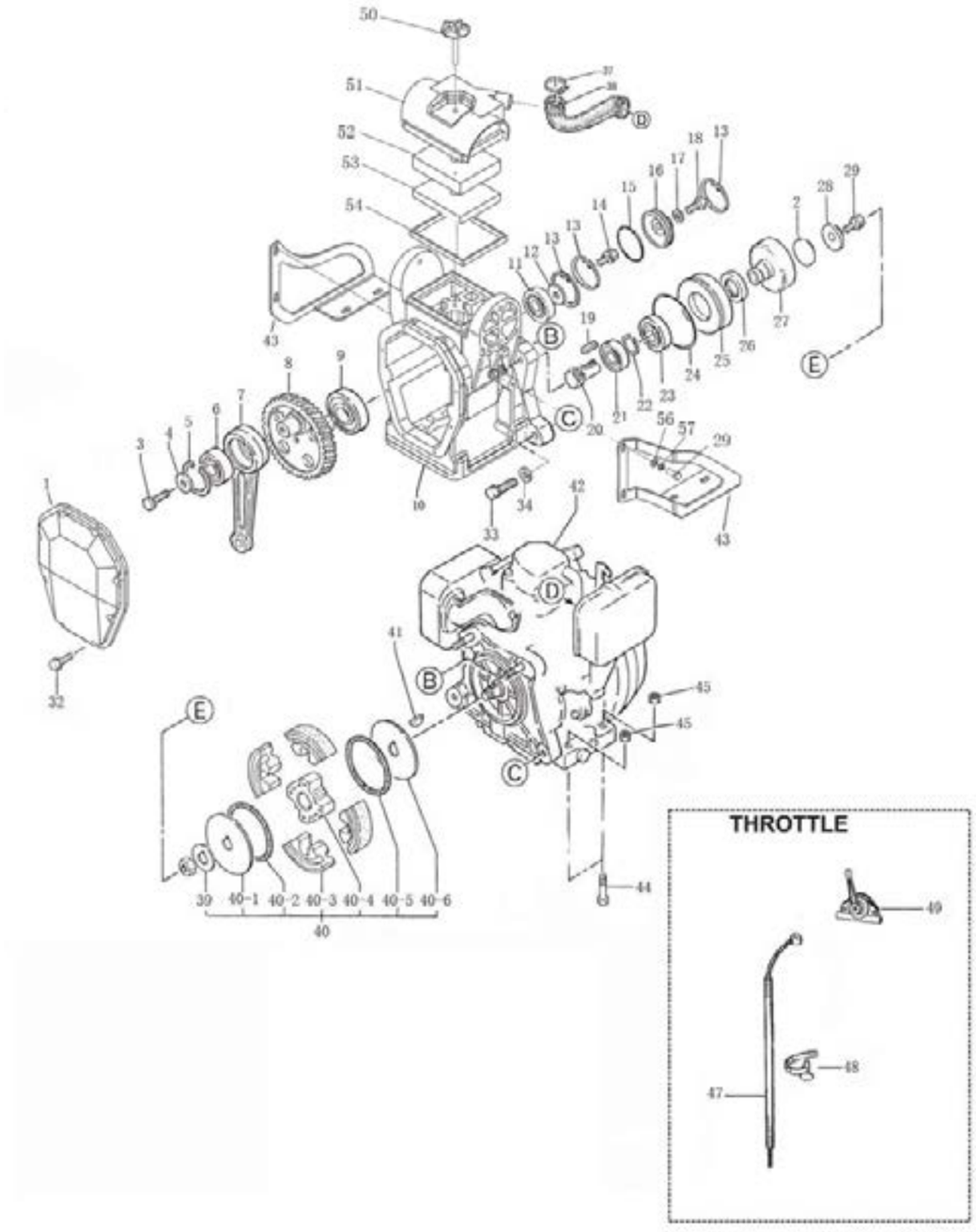
72FWS GUIDE CYLINDER AND FOOT ASSY (A)



PART NO.	DESCRIPTION	QYT
72FWS-A01	Foot Assy	1
72FWS-A02	Sunk head bolt M12×60	7
72FWS-A03	Metal sheet	1
72FWS-A04	Plastic Foot	1
72FWS-A05	Washer SW M12	11
72FWS-A06	Nylon nut M12	11
72FWS-A07	Sunk head bolt 12*100 H	2
72FWS-A08	Washer M12	11
72FWS-A10	Socket head bolt M10×20	4
72FWS-A11	Socket head bolt M10×35	4
72FWS-A12	Foot plate	1
72FWS-A13	Packing φ12(CU)	1
72FWS-A14	Oil plug M12*1.25	1
72FWS-A15	O-ring 87.5×3.55	1
72FWS-A16	Main spring	4
	Inner spring	2
	Outer spring	2
72FWS-A17	Nut M18×1.5	1
72FWS-A18	Piston end	1
72FWS-A19	Stopper,lower	1
72FWS-A20	Spring cylinder	1

PART NO.	DESCRIPTION	QYT
72FWS-A21	Stopper,upper	1
72FWS-A22	Piston rod	1
72FWS-A23	Nylon plug	2
72FWS-A24	Piston pin	1
72FWS-A25	O-ring φ100×3.1	1
72FWS-A26	Protective sleeve	1
72FWS-A27	Copper packing M16	1
72FWS-A28	Level gauge, plug type M16×1.5	1
72FWS-A29	Packing φ12	1
72FWS-A30	Plug M12×1.25	1
72FWS-A31	O-ring 160*4	1
72FWS-A32	Bellows clamp	2
72FWS-A33	Band guide,bellows	2
72FWS-A34	Socket head bolt M6×50	2
72FWS-A35	Cylinder nut M6	2
72FWS-A36	Pin 6×8	2
72FWS-A37	German bellows	1
72FWS-A38	O-ring 160*4	1
72FWS-A39	Socket head bolt M10×35	4
72FWS-A40	Guide cylinder	1
72FWS-A41	O-ring 160×4	1

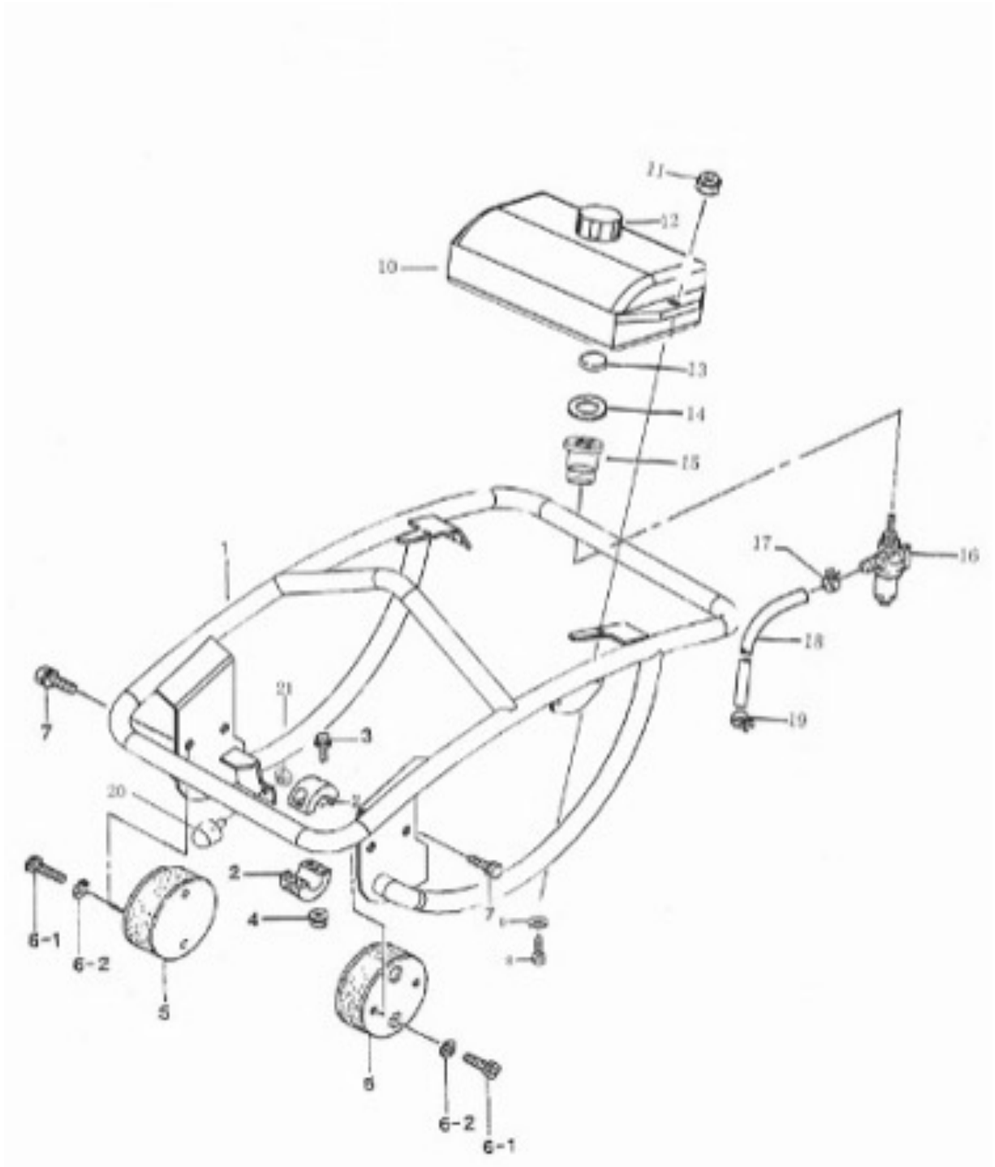
72FWS CRANKCASE AND ENGINE ASSY (B)



PART NO.	DESCRIPTION	QYT
72FWS-B1	Back of crankcase	1
72FWS-B2	O-ring φ22.4*2.65	1
72FWS-B3	Bolt 8*20H,SW	1
72FWS-B4	Washer φ8	1
72FWS-B5	Stop ring R-52	1
72FWS-B6	Bearing 6304	1
72FWS-B7	Connecting rod	1
72FWS-B8	Gear wheel	1
72FWS-B9	Bearing 6207	1
72FWS-B10	Crank case	1
72FWS-B11	Bearing 6204□2Z	1
72FWS-B12	Washer φ8	1
72FWS-B13	Stop ring φ47	3
72FWS-B14	Bolt 8*20H,SW	1
72FWS-B15	O-ring φ43.7×1.8	1
72FWS-B16	Bearing cover	1
72FWS-B17	Nut M6	1
72FWS-B18	Bolt 6*20 T	1
72FWS-B19	Flat key5*20	1
72FWS-B20	Pinion	1
72FWS-B21	Bearing 6204	1
72FWS-B22	Stop ring 35	1
72FWS-B23	Bearing 6007-2Z	1
72FWS-B24	O-ring G-100	1
72FWS-B25	Spacer,clutch drum	1
72FWS-B26	Oil seal TC-40528	1
72FWS-B27	Clutch drum	1
72FWS-B28	Lock washer	1
72FWS-B29	Bolt 8*20H,SW	1
72FWS-B32	Bolt 6*18H,SW	9
72FWS-B33	Hex bolt M10*50	2

PART NO.	DESCRIPTION	QYT
72FWS-B34	Spring washer φ10	2
72FWS-B35	Nylon nut M10	2
72FWS-B36	Flat gasket φ10	2
72FWS-B37	Hoop φ40	1
72FWS-B38	Syphon, air filter	1
72FWS-B39	Lock washer,clutch	1
72FWS-B40	Clutch assy	1
72FWS-B40-1	Clutch guide	1
72FWS-B40-2	Clutch spring	1
72FWS-B40-3	Clutch shoe	4
72FWS-B40-4	Clutch boss	1
72FWS-B40-5	Clutch spring	1
72FWS-B40-6	Clutch guide	1
72FWS-B41	Woodruff Key	1
72FWS-B42	Engine	1
72FWS-B43	Engine Plate	1
72FWS-B44	Hex bolt M8*40	4
72FWS-B45	Lock nut M8	4
72FWS-B47	Throttle wire	1
72FWS-B48	Band	1
72FWS-B49	Throttle lever	1
72FWS-B50	Bolt M8, air filter	1
72FWS-B51	Plastic cover , air filter	1
72FWS-B52	Thick sponge , extra air filter	1
72FWS-B53	Velvet sponge, extra air filter	1
72FWS-B54	Seal strip, extra air filter	1
72FWS-B56	Flat gasket φ8	4
72FWS-B57	Spring washer φ8	4

72FWS TANK AND HANDLE ASSY (C)



PART NO.	DESCRIPTION	QYT
72FWS-C1	Handle	1
72FWS-C2	Roller	2
72FWS-C3	Flange bolt 5*25 H	4
72FWS-C4	Nut M5	4
72FWS-C5	Shock absorber	2
72FWS-C6-1	Socket head bolt 10*20 T	4
72FWS-C6-2	Spring washer φ10	8
72FWS-C7	Bolt 8*30 T	4
72FWS-C8	Hex Bolt M8*20	2
72FWS-C9	Gasket φ8	2
72FWS-C10	Fuel tank	1
72FWS-C11	Nylon nut M8	2
72FWS-C12	Cap assy, tank	1
72FWS-C16	Fuel cock assy	1
72FWS-C17	Hose band 9.5D	1
72FWS-C18	Fuel hose	1
72FWS-C19	Hose band 9.5D	1

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