



Operator's Manual
Original Operating Instructions

Earth Auger Powerhead MA42



English: Pages 1-21
Español: Páginas 22-42
Français: Pages 43-63

MA42-OME
Feb/11/13
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THANK YOU AND CONGRATULATIONS....

on your purchase of a new **EARTH AUGER POWERHEAD MA42** from Maruyama. We have worked to ensure that your Maruyama Auger will be one of the most trouble-free and satisfying pieces of equipment you have ever owned. With proper care, your powerhead will provide many years of service. Please take the time to read this manual carefully to learn how to correctly operate and maintain your equipment.

INTRODUCTION

OWNER'S RESPONSIBILITY

Accurate assembly and safe, effective use of the powerhead is the owner's responsibility.

- Read and follow all safety instructions.
- Carefully follow all assembly instructions.
- Maintain the powerhead according to directions and schedule included in this operator's manual.
- Ensure that anyone who uses the powerhead is familiar with all controls and safety precautions.

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REGISTRATION

Record your model number and serial number in the space provided for easy reference. Fill out and mail the registration card located in your parts packet. Warranty is valid only if your completed registration card is received by Maruyama, at the time of purchase.

Model Number _____

Serial Number _____

Date of Purchase _____

Place of Purchase _____

FEDERAL EMISSION INFORMATION

Maruyama warrants to the retail purchaser, that this small, off-road engine was designed, built and equipped to conform at the time of initial sale to all applicable regulations of the U.S. Environmental Protection Agency (EPA).

WARNINGS AND SAFETY PRECAUTIONS

OWNER'S RESPONSIBILITY

Accurate assembly and safe, effective use of the auger is the owner's responsibility.

- Read and follow all safety instructions.
- Carefully follow all assembly instructions.
- Maintain the auger according to directions and schedule included in this operator's manual.
- Ensure that anyone who uses the auger is familiar with all controls and safety precautions.

SPECIAL MESSAGES

Your manual contains special messages to bring attention to potential safety concerns, machine damage as well as helpful operating and servicing information. Please read all the information carefully to avoid injury and machine damage.

NOTE: General information is given throughout the manual that may help the operator in the operation or service of the machine.

IMPORTANT SAFETY PRECAUTIONS BEFORE OPERATING ENGINE:

Please read this section carefully. Read entire operating and maintenance instructions AND the instructions for the equipment this engine powers. Failure to follow instructions could result in serious injury or death. Operate the auger according to the safety instructions outlined here and inserted throughout the text. Anyone who uses this auger must read the instructions and be familiar with the controls.



This symbol points out important safety instructions which if not followed could endanger your personal safety. Read and follow all instructions in this manual before attempting to operate this equipment.

- Do not carry the auger powerhead between holes with the engine running.
- The auger should not rotate when the engine is idling. If it does rotate when engine is idling, contact Maruyama, for instructions.
- Always keep hands, feet, hair and loose clothing away from any moving parts on engine and auger.
- Always wear a protective hearing device.
- Do not allow children to operate this power auger. Do not allow adults to operate the auger without proper instruction.
- Do not operate any power equipment under the influence of alcohol or drugs.
- Keep all screws, nuts and bolts tight.
- Engine should be turned off and cool, spark plug wire must be removed from spark plug before any repairs are attempted.
- Temperature of muffler and nearby areas may exceed 150° F (65° C). Avoid these areas.
- Never run engine indoors or in an enclosed area. Engine exhaust contains carbon monoxide, an odorless and deadly gas.
- If the earth auger will not turn in a hole, turn engine off and allow to cool before attempting to remove it manually.

WARNING

WARNING INDICATES A HAZARD WHICH, IF NOT AVOIDED, COULD RESULT IN DEATH OR SERIOUS INJURY AND/OR PROPERTY DAMAGE.

CAUTION

CAUTION INDICATES YOU CAN BE HURT OR YOUR EQUIPMENT DAMAGED IF THE SAFETY INSTRUCTIONS THAT FOLLOW THIS SIGNAL WORD ARE NOT OBEYED.

IMPORTANT

INDICATES HELPFUL INFORMATION FOR PROPER ASSEMBLY, OPERATION, OR MAINTENANCE OF YOUR EQUIPMENT.

WARNING

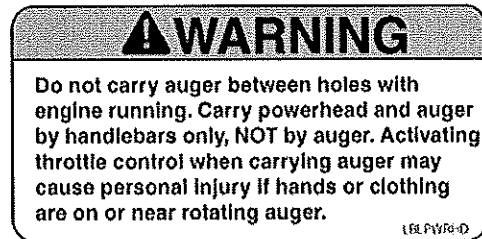
CALIFORNIA PROPOSITION 65 WARNING

ENGINE EXHAUST FROM THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM.

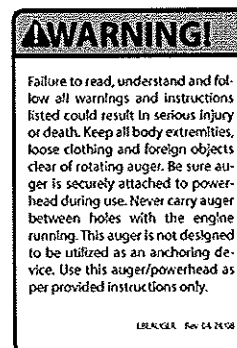
WARNING

AUGER BLADES ARE EXTREMELY SHARP. TO AVOID INJURY USE CAUTION WHEN REMOVING OR REPLACING BLADES OR GUARDS.

Below are two of the warning decals attached to the engine and auger. It is important to read all safety precautions and locate the warning labels before using this product.



Engine Decal



Auger Decal

ENGINE SAFETY PRECAUTIONS

WARNING CARBON MONOXIDE POISONING

All engines give off carbon monoxide, an odorless, colorless, poisonous gas, in the exhaust. Carbon monoxide may be present even if you do not smell or see any engine exhaust. Levels of carbon monoxide, which can be deadly, can be present for days in an enclosed area that has poor ventilation. Breathing carbon monoxide can cause nausea, fainting or death. Any level of carbon monoxide, if inhaled, can cause headaches, drowsiness, nausea, dizziness, confusion and eventually death. If you experience any of these symptoms, **seek fresh air and medical attention immediately.**

PREVENTING CARBON MONOXIDE POISONING

- Never run engine indoors.
- Start and run engine outdoors.
- Never try to ventilate engine exhaust indoors. Carbon monoxide can reach dangerous levels very quickly.
- Never run engine outdoors where exhaust fumes may be pulled into a building.
- DO NOT start or run an engine in an enclosed area, even if doors or windows are open. (Examples include: in a large hole or areas where hills surround your working area.)
- Never run engine in an enclosed or partially enclosed area. (Examples include: buildings that are enclosed on one or more sides, under tents, car ports or basements.)
- Always run the engine with the exhaust and muffler pointed in the direction away from the operator.
- Never point the exhaust muffler towards anyone. People should always be many feet away from the operation of the engine and its attachments.

GASOLINE FIRES OR HANDLING FUEL SAFELY

Fuel and fuel vapors are highly flammable. Never use fuel where a spark or flame may be present. Never use fuel where a potential source of ignition could occur. (Examples include: hot water or space heaters, clothes dryer, electric motors, etc.) Keep flames and sparks away from engine and fuel to prevent fires. Fuel fires spread very quickly and are highly explosive.

PREVENTION OF GASOLINE FIRES

- Never fill your fuel tank with fuel indoors. (Examples include: basement, garage, barn, shed, house, porch, etc.)
- Always fill fuel tank outside in a well ventilated area.
- Never remove the fuel cap or add fuel with the engine running. Stop engine and allow to cool before filling.
- Never drain fuel from engine in an enclosed area.
- Always wipe up excess (spilled) fuel from engine before starting. Clean up spilled fuel immediately.
- Allow spilled fuel to dry, after wiping and before starting.

CAUTION

HOT GASES ARE A NORMAL BY-PRODUCT OF A FUNCTIONING CATALYTIC CONVERTER. FOLLOW ALL SAFETY INSTRUCTIONS TO PREVENT BURNS AND FIRES.

- Allow fuel fumes/vapors to escape from the area before starting engine.
- Test the fuel cap for proper installation before starting and using engine.
- Always run the engine with fuel cap properly installed on the engine and gas cap vent screw unscrewed.
- Replace fuel cap that allows gas to spill or leak.
- Never smoke while refilling engine fuel tank.
- Prevent fire and explosion caused by static electric discharge. Use only non-metal, portable fuel containers approved by the Underwriter's Laboratory (U.L.) or the American Society for Testing & Materials (ASTM).
- Do not store engine with fuel in fuel tank indoors. Fuel and fuel vapors are highly explosive.
- When storing, screw down gas cap vent screw tightly.
- Never pour fuel from engine fuel tank.
- Never siphon fuel by mouth to drain fuel tank.
- Always have an adult fill the fuel tank.
- Never allow an adult or anyone under the influence of drugs or alcohol to fill engine.
- Never allow children to fill the engine.

WHEN STORING GASOLINE OR EQUIPMENT WITH FUEL IN TANK

- Store away from furnaces, stoves, water heaters or other appliances that have a pilot light or other ignition source because they can ignite gasoline vapors.

BURNS AND FIRES

The muffler, muffler guard and other parts of the engine become extremely hot during the operation of the engine. These parts remain extremely hot after the engine has stopped.

PREVENTION OF BURNS AND FIRES

- Never remove the muffler guard from the engine.
- Never touch the muffler guard because it is extremely hot and will cause severe burns.
- Never touch parts of the engine that become hot after operation.
- Always keep materials and debris away from muffler guard and other hot parts of the engine to avoid fires.

This engine is designed to operate using a catalytic converter which contributes to the engine's compliance with the EPA.

ASSEMBLY

TOOLS REQUIRED:

- Two (2) 9/16" Wrenches

ASSEMBLY INSTRUCTIONS: (SEE FIGURE 1)

1. Insert the output shaft of the MA transmission (A) in the open end of the Flex Coil ShockTop (B).
2. Line up the bolt holes through the Flex Coil ShockTop and the output shaft of the transmission.
3. Place the included 3/8-16 x 1.5 inch bolt (C) through the bolt hole.
4. Hand-thread the 3/8-16 "Bi-way" lock nut (D) on the bolt.
5. Using two 9/16 inch wrenches, securely tighten the nut and bolt.

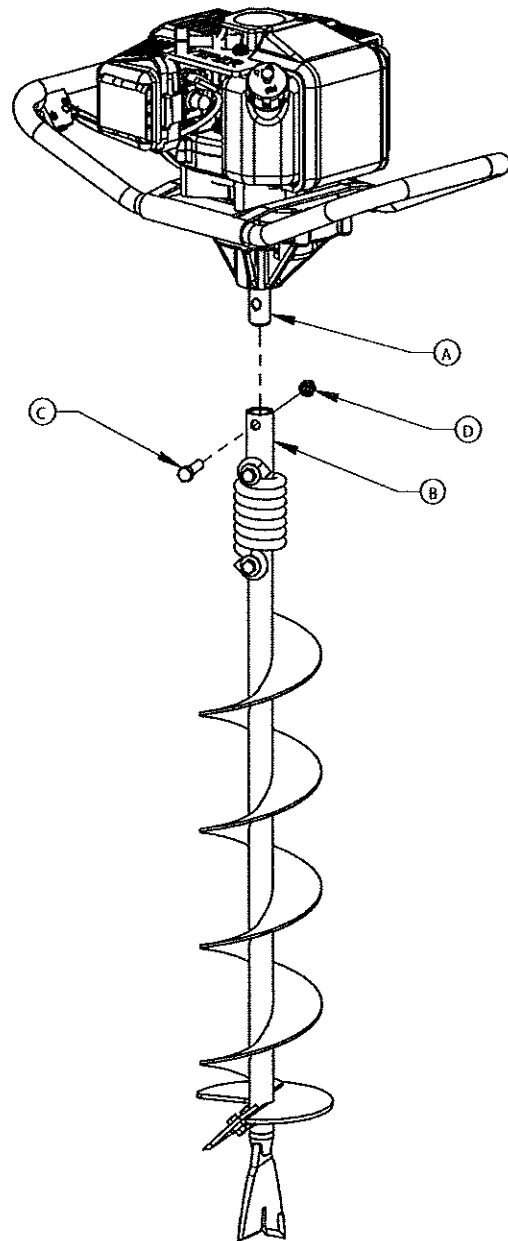


Figure 1