

ZENOAH AIR-COOLED 2-STROKE GASOLINE ENGINE

G4K

This guide explains about the safety precautions.

OPERATION AND MAINTENANCE GUIDE

This guide explains about the safety precautions, starting procedures, and regular maintenance on the Zenoah Engine. To make the most use of it, please read through this guide before use.



Husqvarna Zenoah Co., Ltd.

CAUTION









- 1. The fuel is flammable. Handle with care at all times. When refueling, stop the engine and let it cool down before pouring fuel. Keep open flames and sparks away from fuel.
- 2. When fuel is spilled, wipe off immediately and completely.
- 3. The exhaust gases contain harmful carbon monoxide. Never run the engine in a closed room or in anyplace where ventilation is poor.
- 4. The engine metal parts can burn your skin. Never touch the cylinder and muffler during operation or right after stopping the engine.
- To prevent electrification, never touch the ignition plug or the plug wire during operation.
- Before inspecting or servicing the engine, make sure to stop the engine and wait until it cools down.
- 7. When fuel has leaked out of the carburetor, the muffler, the fuel tank or other part, stop use of the engine and have it repaired.

FUEL

DANGER

- The fuel used on this engine is highly flammable. When mixing gasoline and oil, keep open flame away. Do not smoke.
- Fuel mixing should be performed outdoors.
- Wipe off spilt fuel completely before starting the engine.
- Stop the engine before refueling.
- Keep the fuel container away from a fire or a stove.

CAUTION

Do not use oil for the 4-stroke engine use, alcohol contained gasoline, fuel contaminated by water or other foreign materials, or fuel exposed in sunbeam for a long time. Those can cause engine troubles.

This engine is lubricated by oil specially formurated for the 2-stroke air-cooled gasoline engine use.

Prepare correct oil and alcohol-free regular gasoline(unleaded), and mix in the following ratio.

• 2-stroke oil (JASO: FD grade or ISO: LEGD grade)

Gasoline 50 : OIL 1

• 2-stroke oil (JASO : FC grade or ISO : LEGC grade)

Gasoline 40 : OIL 1



FUEL INTO THE TANK

DANGER

- Select a flat ground outdoors for fueling the engine. Keep open flame away. Do not smoke.
- When refilling the fuel tank on the way of operation, stop the engine before removing the tank cap.
- Keep 20% of the full tank capacity vacant. Should the tank be filled up fully, fuel may leak out of the cap during operation.
- Wipe off spilt fuel completely before starting the engine

STARTING ENGINE

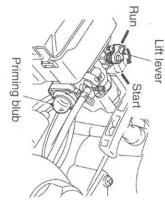
WARNING

- Never start the engine without the equipment attached in place. from the movements of the equipment When starting the engine, keep your body and surroundings away
- 1. Shift switch of the equipment or engine to the RUN or ON position.
- 2. Push the priming bulb until fuel appears in the clear tube
- Set the lift lever of carburetor in the starting position by turning it to engine side with the tinger.

starting position unless the throttle lever is in the idle position. It's unable to set the lift lever in the

after stopping the engine.) lever in the running position, when right (Restart the engine with keeping the lift

- 4. While holding the equipment firmly, pull damage to the starter, return the rope out the starter rope swiftly. To avoid before it is fully pulled out as keeping hold of the starter knob.
- After the engine has started, run engine position by pulling throttle lever slightly. for 1 or 2 minutes at idle engine speed Then return the lift lever to the running



CAUTION

STOPPING ENGINE

IN CASE OF EMERGENCY, IMMEDIATELY STOP THE ENGINE

- 1. Return the throttle and cool down the
- 2. Shift switch of the equipment or engine to switch until the engine stops completely the STOP or OFF position. In case of push button switch, press on



ADJUSTMENTS

■ THROTTLE WIRE

mm. When the play is so large or too small, loosen the lock nut and reposition the wire receive on the carburetor side. The normal play of the throttle wire is 1 or 2

■ IDLING SPEED

counter-clockwise turning clockwise and down by turning In case engine dies out or run too fast at idle adjustment screw. Idling speed is up by idling engine speed, correct it by turning the Check the idling engine speed

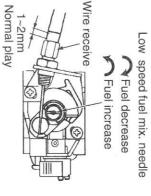
FUEL MIXTURE NEEDLES

(High speed / Low speed)

adjusted within the allowable range of the standard position. The fuel mixture needles (H/L) should be

	I	_
d. position	1 and 1/2 turns back	1 turn back
lowance	± 1/4 turns	± 1/4 turns

3



High speed fuel mix. needle Fuel increase Fuel decrease idle adjustment screw

MAINTENANCE



STOP THE ENGINE BEFORE INSPECTING AND REPAIRING IT.

■ AIR FILTER

A clogged air filter will reduce the engine performance. Check periodically and clean the air filter element in warm, soapy water as required. Dry completely before installing. When the element is broken or shrunk, replace with a new one.

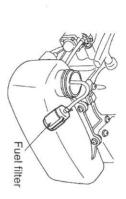
Filter element

Operation with a deformed or broken air filter will give severe damage to the engine inner parts.

Air cleaner cover

■ FUEL TANK CAP & FUEL STRAINER

When the engine seems to run short of fue supply, check the air vent hole of the fuel tank cap and the fuel strainer for blockage.



■ SPARK PLUG

Starting failure and mis-firing are often caused by a fouled spark plug. Periodically clean the spark plug and check that the spark gap is within the correct range. For a replacement plug, use the specified type or the equivalents.



CHAMPION RCJ-6Y NGK BPM7A

■ STORAGE

Old fuel left in the carburetor may cause starting failure. Before storing the unit, empty the fuel tank and drain the carburetor.

SPECIFICATIONS

3.1	Dry weight kg
136 x 303 x 310	Overall size (L x W x H) mm
Dry type	Air cleaner
Primary wire short-circuit	Stopping
Recoil starter	Starting
CHAMPION RCJ-6Y / NGK BPM7A	Spark plug
CDI	Ignition system
Diaphragm type	Carburetor type
1.0	Fuel tank capacity Liter
2-stroke oil pre-mixed gasoline	Fuel
Clockwise (PTO view)	Direction of crankshaft rotation
41.5	Displacement cc
40 x 33	Bore x Stroke mm
Vertical	Cylinder layout
ZENOAH G4K-D	Model

The specifications and technical data are based on the standard models.