

Bäumr-AG

Petrol Stationary Engine

User Manual



RETAIN THIS MANUAL FOR FUTURE REFERENCE

PLEASE READ THIS MANUAL CAREFULLY BEFORE USE

Table of Contents

SAFE TIPS	1
Warning.....	1
PARTS DESCRIPTION	2
FUEL AND ENGINE OIL	3
Fuel	3
Engine Oil	3
PRE-OPERATION INSPECTION	5
Fuel Inspection.....	5
Air-cleaner Inspection	5
Engine Oil Inspection	5
Inspecting the Tightness of all Fastener Screws.....	5
Fuel and Oil Leaks Inspection.....	5
STARTING AND STOPPING THE ENGINE	6
Starting the Engine.....	6
Stopping the Engine.....	7
INSPECTION AND MAINTENANCE	9
Daily and Regular Inspection	9
Parts Maintenance	10
STORAGE OF ENGINE	12
TROUBLESHOOTING	13

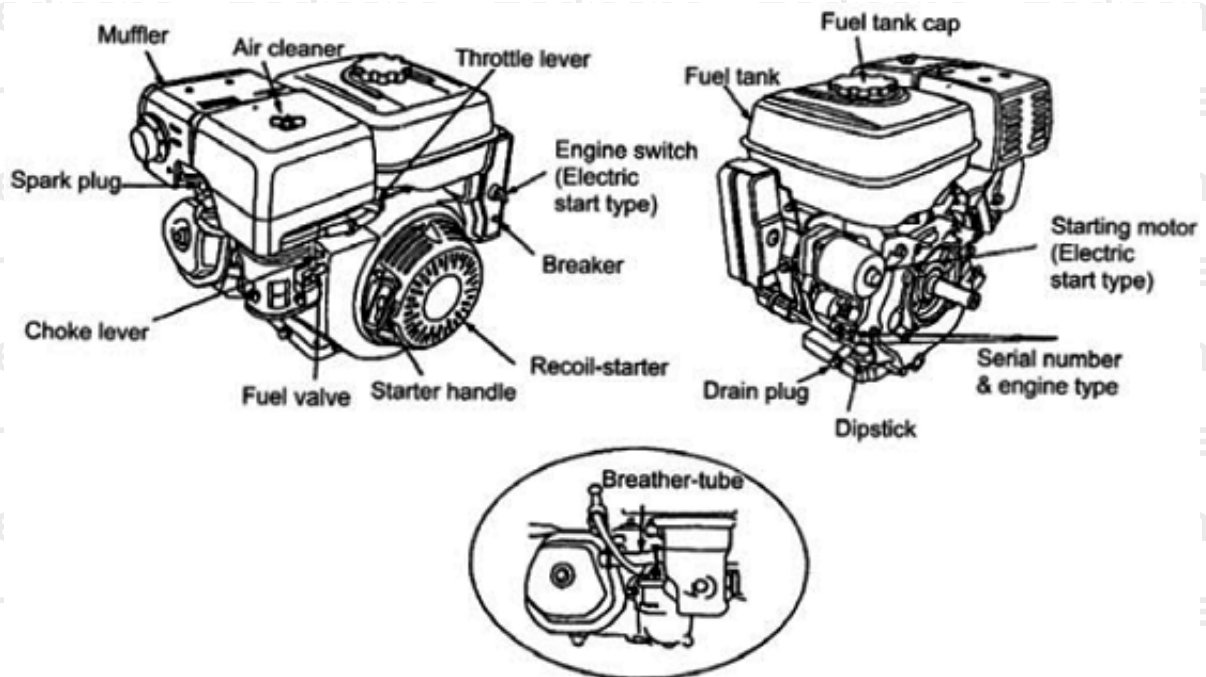
Safe Tips

Warning

These items are very important for safety. Please be sure to obey them.

- Do not allow people who do not understand this OPERATION MANUAL to operate the engine.
- Do not run the engine indoors or where ventilation is poor.
- Keep explosives and flammables at least 1 meter (3ft) away from the engine.
- Do not smoke when adding fuel.
- Do not run the engine when gasoline has spilled; clean the overflowed fuel and fuel spillage.
- Do not remove the fuel tank cap or add fuel while the engine is running or hot. (Add fuel after the engine has cooled by waiting 2 or more minutes after engine has stopped.)
- Do not remove or run the engine without-muffler or air cleaner.
- Do not touch the muffler, muffler cover or engine body while the engine is running or hot.

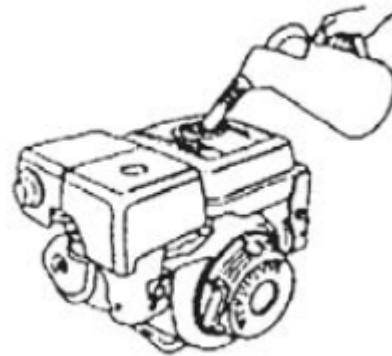
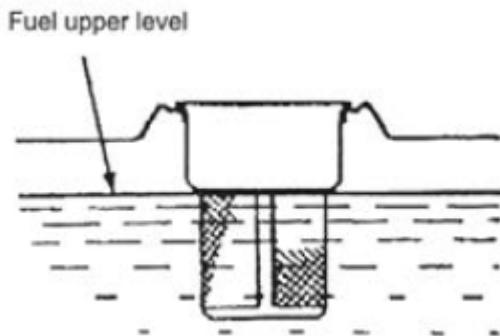
Parts Description



Fuel and Engine Oil

Fuel

- Use clean, fresh, unleaded gasoline.
- Do not mix oil into the gasoline.
- Do not overfill the gasoline when filling the fuel tank.



WARNING:

- Flame and heat can cause gasoline to explode. Be sufficiently careful of flame and heat when handling gasoline.

Engine Oil

Use the engine oil following the table below.

Single Grade Oil	10W	20W	20#	30#	40#			
	[Temperature range indicators for single grade oils]							
Multiple Grade Oil	10W-40	[Temperature range indicators for 10W-40]						
	10W-30	[Temperature range indicators for 10W-30]						
Temperature	-30	-20	-10	0	10	20	30	40

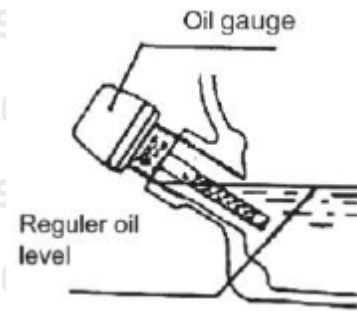
NOTE: Recommended engine oil: SAE IOW-30

- Do not add commercial additives to the oil.
- Do not mix gasoline into the oil.

WARNING:

Engine is shipped without oil. Before starting, be sure to conduct an oil inspection by following instructions given:

1. Place the engine on a level surface when adding oil and conducting inspections;
2. Check the oil level without the oil gauge screwed in;
3. Fill the oil up to level of oil gauge;
4. Before starting the engine, tightly screw in the oil gauge.



Pre-Operation Inspection

Fuel Inspection



- Is there gasoline in the tank?
- Is old gasoline being used?
- Is the fuel tank cap closed correctly?

WARNING:

Be sufficiently careful of heat and flame when handling the fuel. Not doing so could cause fire or explosion.

Air-cleaner Inspection



- Is the air-cleaner element dirty?
- When the air-cleaner element is dirty, clean it.

Engine Oil Inspection



- Is the engine filled with the recommended engine oil, and is the oil dirty?
- If there is not enough oil, if it is dirty, or it has been used longer than the specified time, add or change the engine oil.

Inspecting the Tightness of all Fastener Screws



- Are all the screws tight?
- Be sure to check the screw used to fasten the muffler.

(Do this when the muffler is cold)

Fuel and Oil Leaks Inspection



- Are there any fuel or oil leaks? If any are found – repair.

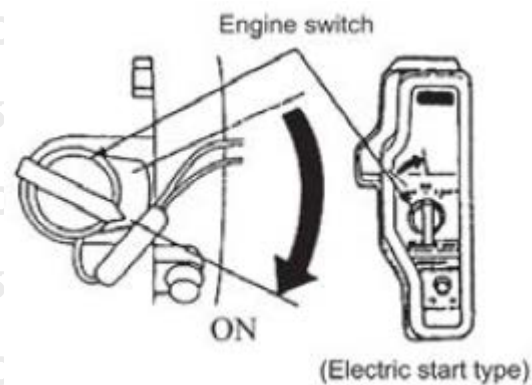
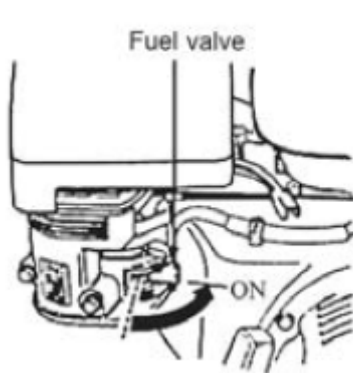
Starting and Stopping the Engine

Starting the Engine

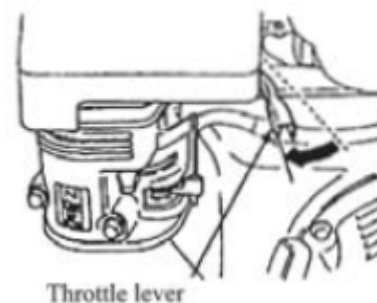
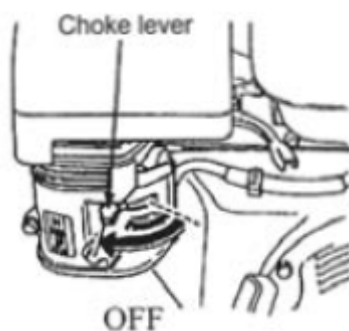
WARNING:

Before starting the engine, carefully read and understand the "SAFE TIPS" and "PRE-OPERATION INSPECTION" section of this OPERATION MANUAL.

1. OPEN the fuel valve.
2. Turn the engine switch to "ON" position.



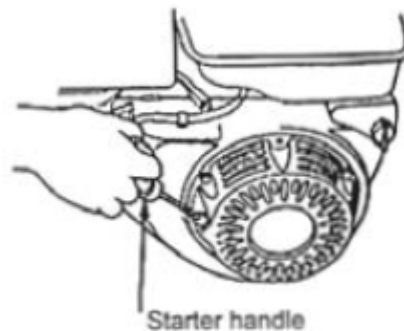
3. Completely CLOSE the choke valve.
4. Move the throttle lever a little to OPEN.



5. Start the engine as follows:

a. Recoil start:

- Hold the starter handle and pull it slightly until the compression position is reached, and then pull it swiftly from this position;
- Slowly return the starter handle to its original position after the engine starts.



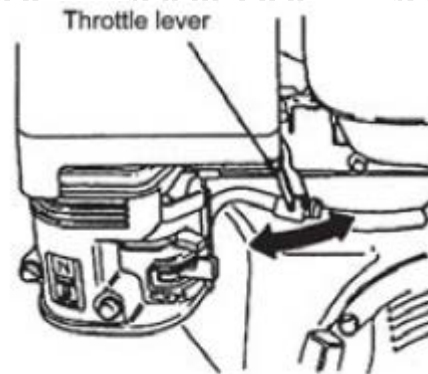
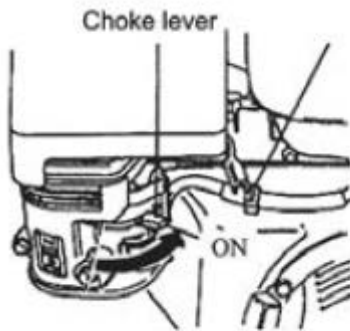
b. Electric start:

- Turn the key switch to "START" position until the engine starts.
- If engine does not start after running of the electric starter for 5 seconds, wait 10 seconds before the next try.
- After engine starts, release the key switch, it will return to the "ON"(or "RUN") position.



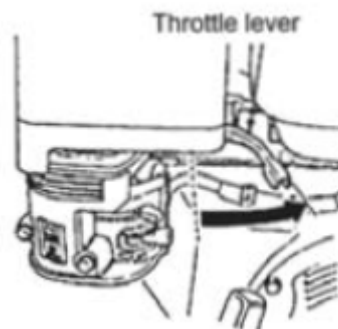
Engine switch
(Electric start type)

6. After the engine starts, gradually turn the choke lever to the full "OPEN" position, and set the throttle lever in the maximum position. Before loading, warm up the engine for about 3 minutes.

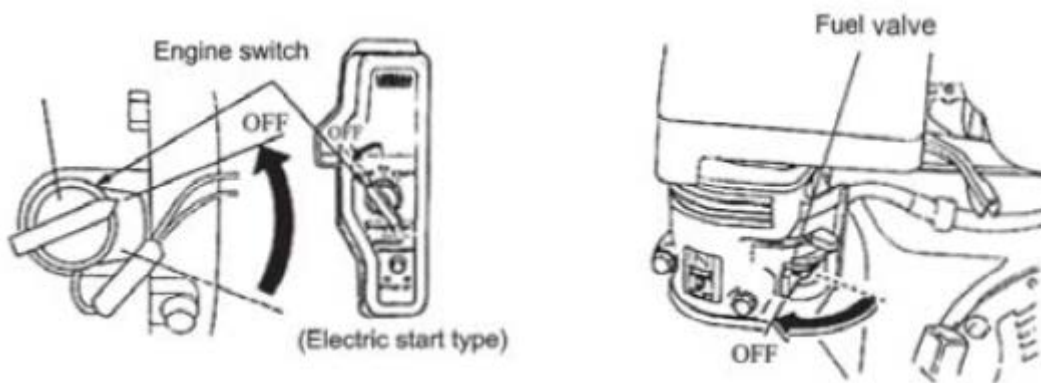


Stopping the Engine

1. Move the throttle lever to the "CLOSE" position:



2. Turn the engine switch to the "OFF" position:



3. Close the fuel valve

NOTE:

- In case of emergency, turn the engine switch to "OFF" to stop the engine.

WARNING:

- Never stop the engine at high speed or under heavy load. Otherwise, damage can result.



Click to Watch:
[Starting a 4-Stroke](#)

Inspection and Maintenance

Daily and Regular Inspection

WARNING:

- Daily and regular inspections are important to assure safe, proper and long-term operation of the engine. Refer to the regular inspection table when conducting inspections and maintenance.

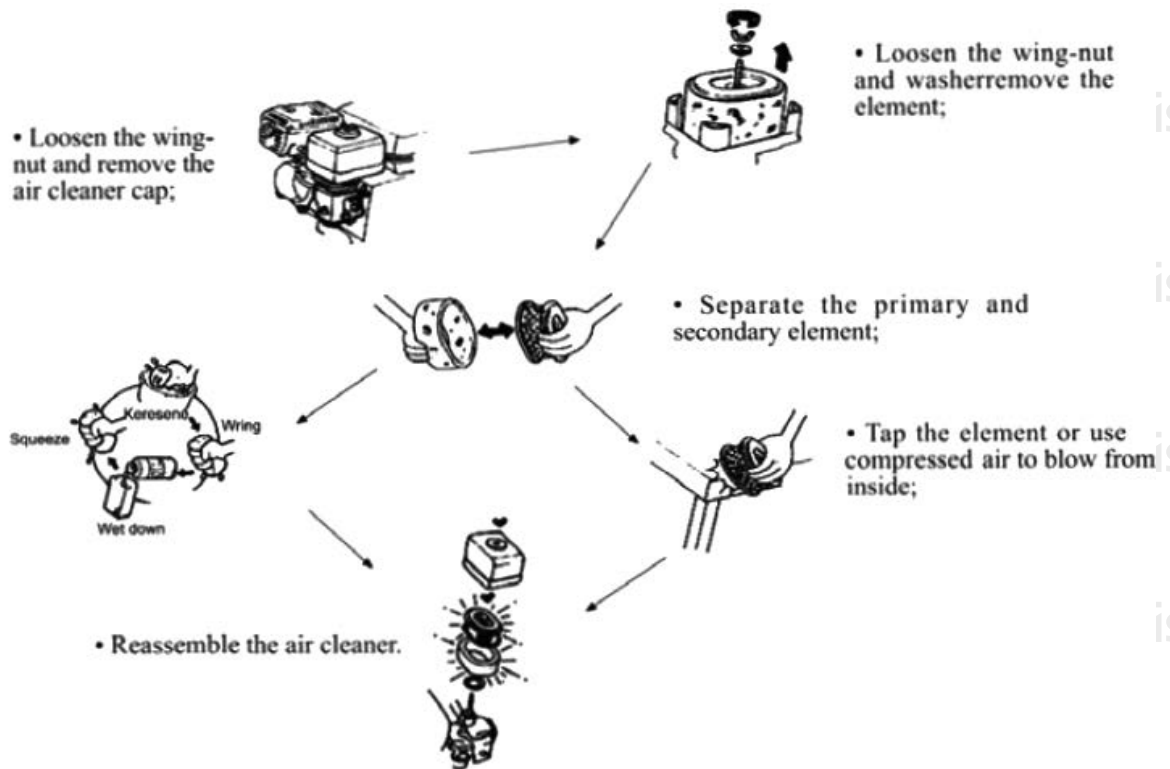
Regular Inspection Table

Item	Time	Every operation	Every 25 hours	Every 50 hours	Every 100 hours
Inspection and tightening of bolt and nut at each place		○			
Engine oil level check and supply		○			
Change of engine oil			● only the first time	○	
Check for fuel and oil leaks		○			
Check and cleaning the air cleaner		○			
Check and cleaning of spark plug				○	
Check and cleaning of fuel strainer				○	
Remove of carbon in combustion chamber					◎
Check and adjustment of valve clearance					◎
Replace the fuel lines		2 years(or when necessary)			

NOTE: Items marked with a ◎ require advanced skill and tools, so they should be done by qualified personnel.

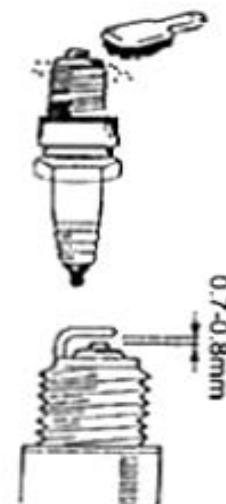
Parts Maintenance

1. Cleaning the air cleaner



2. Cleaning the spark plug

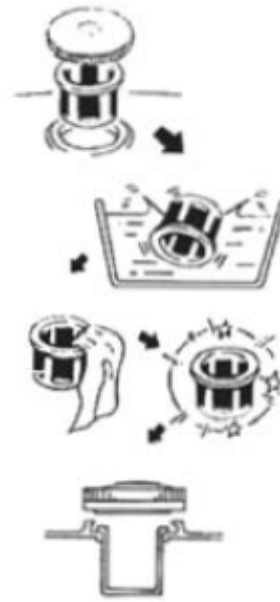
- Remove the carbon attached to the electrode.
- Polish the electrode with emery paper or wire brush.
- Adjust the electrode gap.



Petrol Stationary Engine

3. Cleaning the fuel filter

- Remove the filter from the fuel tank.
- Clean it in solvent.
- Wipe it off.
- Put the filter back into the fuel tank.



4. Cleaning the deposit cup of fuel valve

- Remove the cup from the fuel valve.
- Clean the cup.
- Replace the cup using a new O-ring.



Storage of Engine

Should the engine be stored for a long period, please do the following:

1. Drain off the fuel in tank and oil in the crankcase.
2. Remove the spark plug, add about 2 - 3 cc. engine oil into the cylinder, and reinstall the spark plug. Pull the recoil until compression is felt. At this time, both the inlet and exhaust valves are closed to prevent the engine chamber from rusting.
3. Clean the surface of the engine with a clean cotton swab.
4. Store the engine in a dry and dust-free area.
5. Electric starter: disconnect the battery; charge the battery once every month.

Troubleshooting

Starting failure:

1. Is ignition normal?
 - Is engine switch turned to “ON” position?
 - Remove the spark plug; when it is dirty, clean or replace it.
2. Is the compression sufficient?
 - Confirm by pulling the starter handle slowly. When the compression is insufficient, check whether the tightness of the spark plug is firm. If it is loose, tighten it.
3. Is fuel sucked into the combustion chamber?
 - Is the fuel valve open?
 - Close the choke lever, pull the starter handle several times, and then remove the spark plug. When the tip of spark plug is wet, it is a good indication.
 - When fuel is not flowing, check the fuel strainer for clogging.
 - When the engine does not start though fuel is flowing, replace fuel with a new batch of fuel.

When the engine does not start in spite of the above mentioned inspections, get in touch with your place of purchase.



Some experts believe the incorrect or prolonged use of almost any product could cause serious injury or death. For information that may reduce your risk of serious injury or death consult the points below and additionally, the information available at www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature online documentation which should be printed and kept with the product.
- Check product for loose / broken / damaged / missing parts, wear or leaks (if applicable) before each use. Never use a product with loose / broken / damaged / missing parts, wear or leaks (if applicable).
- Products must be inspected and serviced (if applicable) by a qualified specialist every 6 months assuming average residential use by a person of average weight and strength, above average technical aptitude, on a property matching average metropolitan specification. Intended use outside these guidelines could indicate the product is not suitable for intended use or may require more regular inspection or servicing.
- Ensure all possible users of the product have completed an industry recognised training course before being given access to the product.

- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or your description of the application. Be sure to attain third party approval for your application from a qualified specialist before use regardless of prior assurances by the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (take an automobile, aircraft, computer or ball point pen for example) there is always a small chance of a technical issue that needs to be repaired or may require replacement of the product or a part. If the possibility of such failure and the associated time it takes to rectify could in any situation inconvenience the user, business or employee or could financially affect the user, business or employee then the product is not suitable for your requirements. This product is not for use where incorrect operation or a failure of any kind, including but not limited to a condition requiring product return, replacement, service by a technician or replacement of parts could cause a financial loss, loss of employee time or an inconvenience requiring compensation.
- If this item has been purchased in error considering the points above simply contact the retailer directly for details of their returns policies if required.

Bäumr-AG[®]
.com.au