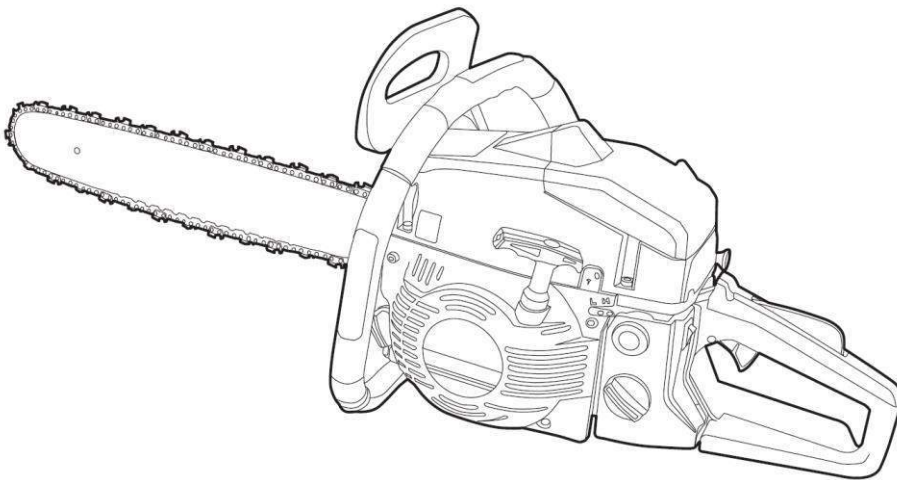





User manual

Chainsaws



 **WARNING!** Read and understand all safety warnings and instructions carefully before using this machine. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save this manual for future reference.

 **ATTENTION!** Products covered by this manual will vary in appearance, assembly, inclusions, description and packaging.

 **NOTE!** This manual covers multiple styles of product as well as options / accessories that may not be suitable for the machine you have purchased.



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General Safety



It is important you read and understand the instruction manual before first use and keep the manual in a safe place for future reference.



Safety precautions must be observed to reduce the risk of personal injury when operating this machine.



DANGER! Keep clear of power lines, contact can cause death.



It is strongly recommended that a comprehensive training course on machine use, fuel handling safety and engine operation be completed before attempting to use this machine.



Like all power equipment this unit must be handled carefully.



Look for power wires before starting work.



Ensure you /your saw/branches you are cutting don't go near power wires.

Do not expose yourself or others to danger. Do not permit others to use this machine unless they have read this manual and are trained in its operation. Do not operate if the equipment is damaged or in an excessively worn state. To reduce fire hazards keep the engine and silencer free of debris, leaves or excessive lubricant. Do not use any attachments or accessories with the equipment other than the ones recommended by the supplier. Serious injury to the operator or bystanders can result as well as cause damage to the machine.

Always use proper handles and / or shoulder strap when using the equipment. Do not use the unit if it is damaged or poorly adjusted. Never remove the machine's guards. Serious injury to the operator or bystanders could result as well as damage to the machine. Never leave the machine running and unattended. Do not use this unit for any job other than those for which it is intended as described in this manual. During or after operation of the engine, never touch hot parts such as the muffler, the high voltage wire or the spark plug. Do not operate the machine in the rain or under wet conditions. Always ensure all handles and guards are fitted when

using the machine. Always keep the machine away from naked flame or sparks. Always stop the engine before cleaning / clearing a blockage or checking, maintenance or working on the machine.

Working at heights

Always use a scissor lift, never work on a ladder or in a tree, never work on an insecure support and never operate your unit with one hand. Always be sure of a safe and secure operating position especially when working at heights.

Clothing and Equipment

Dress properly. Do not wear loose clothing or jewellery which can be caught in moving parts. Use of sturdy gloves, non-skid footwear, and safety glasses is recommended;



Always wear ear protection. Loud noises for an extended period of time may damage your hearing.



Total face and head protection must be worn to reduce injury from falling branches.



Wear no-slip heavy duty work gloves to improve your grip on the brush cutter handle. Gloves also reduce the transmission of machine vibration to your hands.



The dust, vapour and smoke produced during operation may be dangerous to health. If the work area is very dusty or smoky, wear a respirator.

Transporting the Machine

The engine should be turned off when the machine is moved between areas and when transporting or storing the machine. Always turn off the engine. Always fit the blade covers before carrying your tool. When transporting in a vehicle: properly secure your machine to prevent turnover, fuel spillage and damage.

Fuelling



Fuel is extremely flammable. Keep clear of naked flames. Do not spill any fuel. Do not smoke near fuel or the machine. Always

shut off the engine before refuelling. Do not fuel a hot engine – fuel may spill and cause a fire. Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly and avoid fuel spillage. Fuel your machine only in well ventilated areas. If you spill fuel, wipe the machine immediately – if fuel gets on your clothing, change immediately. To reduce the risk of serious or fatal burn injuries, check for fuel leakage. If fuel leakage is found, do not start or run the engine until leak is fixed.

During Operation

Make sure you always have good balance and secure footing. Always be aware of your surroundings and stay alert for possible hazards that you may not hear due to the noise of the machine.

Never allow children to access the machine.

Avoid operating while people, especially children are nearby. To reduce the risk of injury, do not allow any other persons within a radius of 25 meters of your own position. To reduce the risk of damage to property, also maintain this distance from other objects (vehicles, windows).

After Finishing Work

Always clean dust and dirt off the machine – do not use any grease solvents. Always keep the machine clean, especially, the fuel tank, its surroundings, and the air cleaner. After the engine has stopped, the muffler will still be hot. Never place the machine in any places where there are flammable materials such as dry grass, combustible gases or combustible liquids etc. Replace cutting tool covers.

Maintenance and Repairs

Service the machine regularly. Do not attempt any maintenance or repair work not described in the instruction manual. Have all other work performed by a servicing dealer. We recommend that you have servicing and repair work carried out exclusively by an authorised service person. Before proceeding to adjust or repair the machine, be sure to stop the engine and detach the spark plug lead. Never attempt to make engine adjustments while the unit is running to the operator. Always make engine adjustments with the unit resting on a flat, clear surface.

Chainsaw Safety

⚠ WARNING! Before attempting to do anything with the chainsaw READ THE MANUAL.

⚠ WARNING! Chainsaws have the potential to inflict injuries and/or create hazardous situations. The major causes of accidents are ignorance of the hazards and operators' apathy to common sense safety procedures.

⚠ WARNING! Do not rely exclusively on the safety devices built into your saw. As chainsaw user, you should take several steps to reduce chances of accident or injury. The following list is not full or exhaustive - attend proper training before using a chainsaw .PERSONAL PROTECTIVE CLOTHING FOR CHAINSAW USERS

⚠ IMPORTANT! A chainsaw operator must not only ensure that the machine is in safe operating condition but must also wear protective clothing for optimum protection.

- Head Protection (hard hat). A hard hat should be worn at all times as protection from falling material, and to reduce injuries from kickback.
- Ear Protection (ear muffs/ear plugs). All operators and assistants etc. should wear suitable ear protection. Chainsaws operate in the region of 100-110 dB(A) at the operator's ear, therefore careful consideration must be given to the attenuation of the ear protector.
- Eye Protection (goggles/glasses/mesh & perspex screens). The chain on the saw rotates at more than 40 km/h, so chips and material can be flung at the operator's eyes at very high speed.
- Leg Protection (trousers/chaps) leg protectors in a variety of Kevlar and nylons are most effective in preventing cuts to the operators legs – a common problem.
- Foot Protection (safety boots). These should have steel toe caps,, non-slip deep tread soles or have metal sprigs or cleats to protect toes from saw cuts and feet from failing material.
- Hand Protection (gloves/mittens). As well as protecting hands from cuts, abrasions etc. and keeping them warm, they prevent vibration induced problems such as Raynaud's Disease.

THE CHAINSAW

The chainsaw should have all safety mechanisms/guards installed and working.

CHAINSAW KICKBACK

⚠ CRITICAL! Other than the obvious risk of physical contact with a moving chain, the single most dangerous aspect of the saw is 'kickback'.

This occurs when the bar nose contacts an object, resulting in an instantaneous kick reaction which can launch the rotating chain toward the users face/head. Severe injuries and sometimes death can result.

To prevent kickback:

- Avoid using the bar nose. Always be alert to anything coming in contact with the bar nose.
- Ensure that safety chain is used, and that it is correctly sharpened and tensioned.
- Always operate with two hands on the saw handles, with the thumb of the left hand placed under the front handle.
- Avoid the use of the saw above the shoulders and always keep the saw in front of the body.

CHAINSAW OPERATION

- Ensure that all safety features are fitted and operational before starting to saw; that all nuts, covers, etc. are secure.
- To start, place saw on ground, with foot through rear handle/ hand guard to steady the saw.
- When crosscutting or pruning, check if any branches are 'under tension' before cutting.
- Seek advice and/or training in the use of the chainsaw. Many accidents are the result of ignorance.
- Always wear the recommended personal protective clothing.

FELLING OF TREES

⚠ IMPORTANT! Tree felling should be carried out by trained and experienced personnel only. Assistance and advice should be sought if the operator is unsure how to fell a certain tree.

FIRE SAFETY

Chainsaws can easily start fires, for two reasons:

1. Poorly maintained and/or faulty exhaust systems.
2. Ignition of spilt fuels by internal sparks.

To avoid fires:


- Ensure muffler is in good condition and fitted with a spark arrester screen.- Keep muffler clean of carbon build up and deposit.
- Ensure that saw is correctly tuned. Do not use on extreme fire danger days. - Do not spill fuel over saw when refuelling.



- KEEP CLEAR OF BLADE AREA.
- READ USER MANUAL BEFORE OPERATION.
- BEWARE OF FLYING OBJECTS EJECTED FROM CUTTING AREA.
- KEEP CHILDREN, BYSTANDERS AND ANIMALS AWAY.
- ALWAYS WEAR HEARING AND EYE PROTECTION - NOISE 98dB
- ALWAYS WEAR SAFETY BOOTS AND HEAVY GLOVES.
- STOP ENGINE AND LET IT COOL BEFORE REFUELLING.



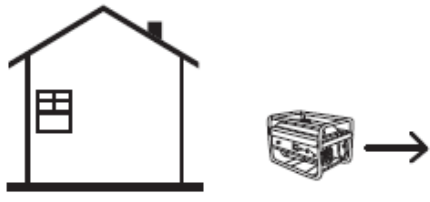
- 2-STROKE ENGINE:

- USE FRESH PETROL MIXED WITH A HIGH QUALITY 2-STROKE OIL.
- 25:1 RATIO



Some experts believe the 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

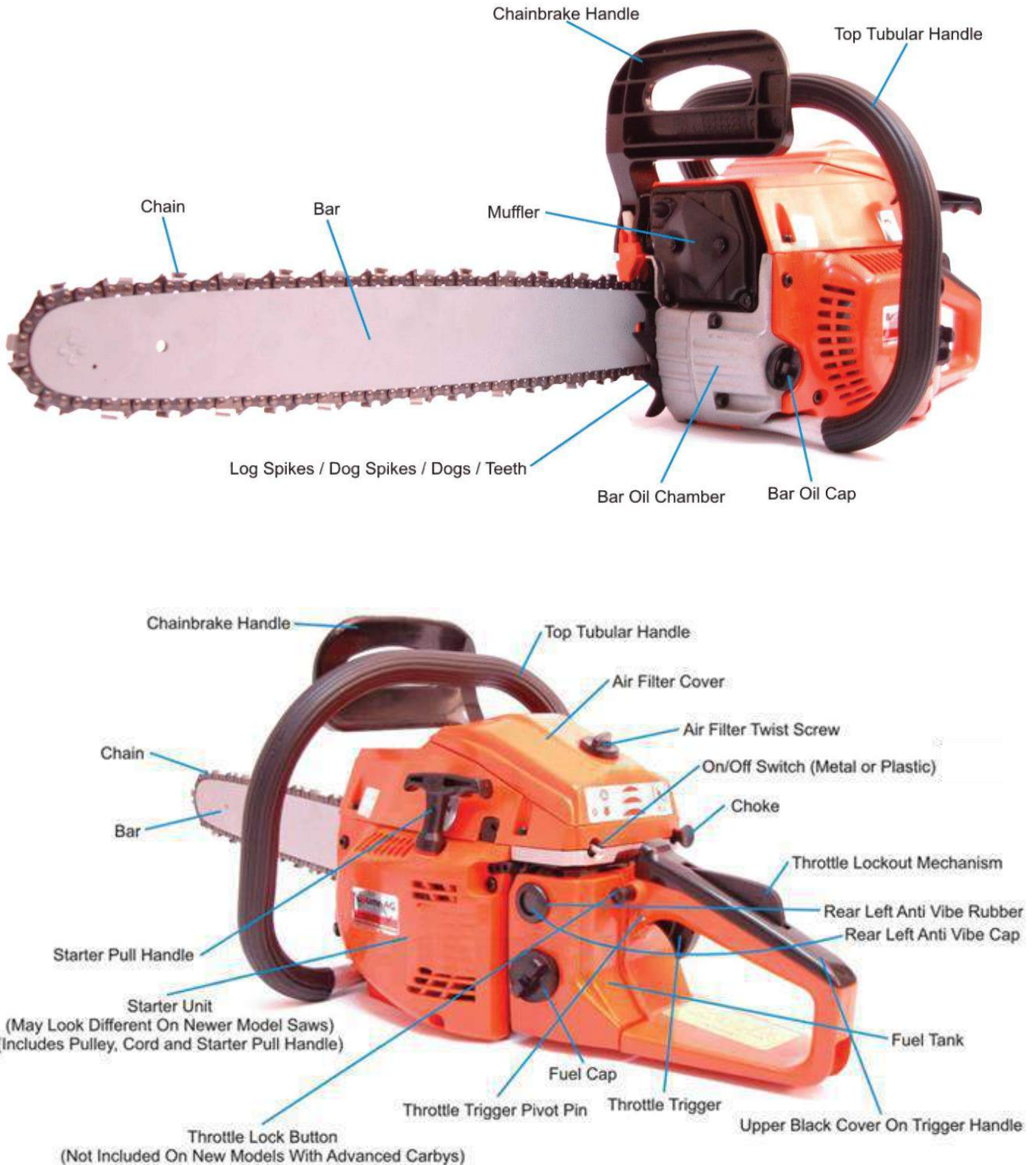
- Consult all documentation, packaging and product labelling before use. Note that some products feature online documentation which should be printed and kept with the product.
- Check product for loose/broken/damaged/missing parts, wear or leaks (if applicable) before each use. Never use a product with loose/broken/damaged/missing parts, wear or leaks (if applicable).
- Product 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 it's 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.

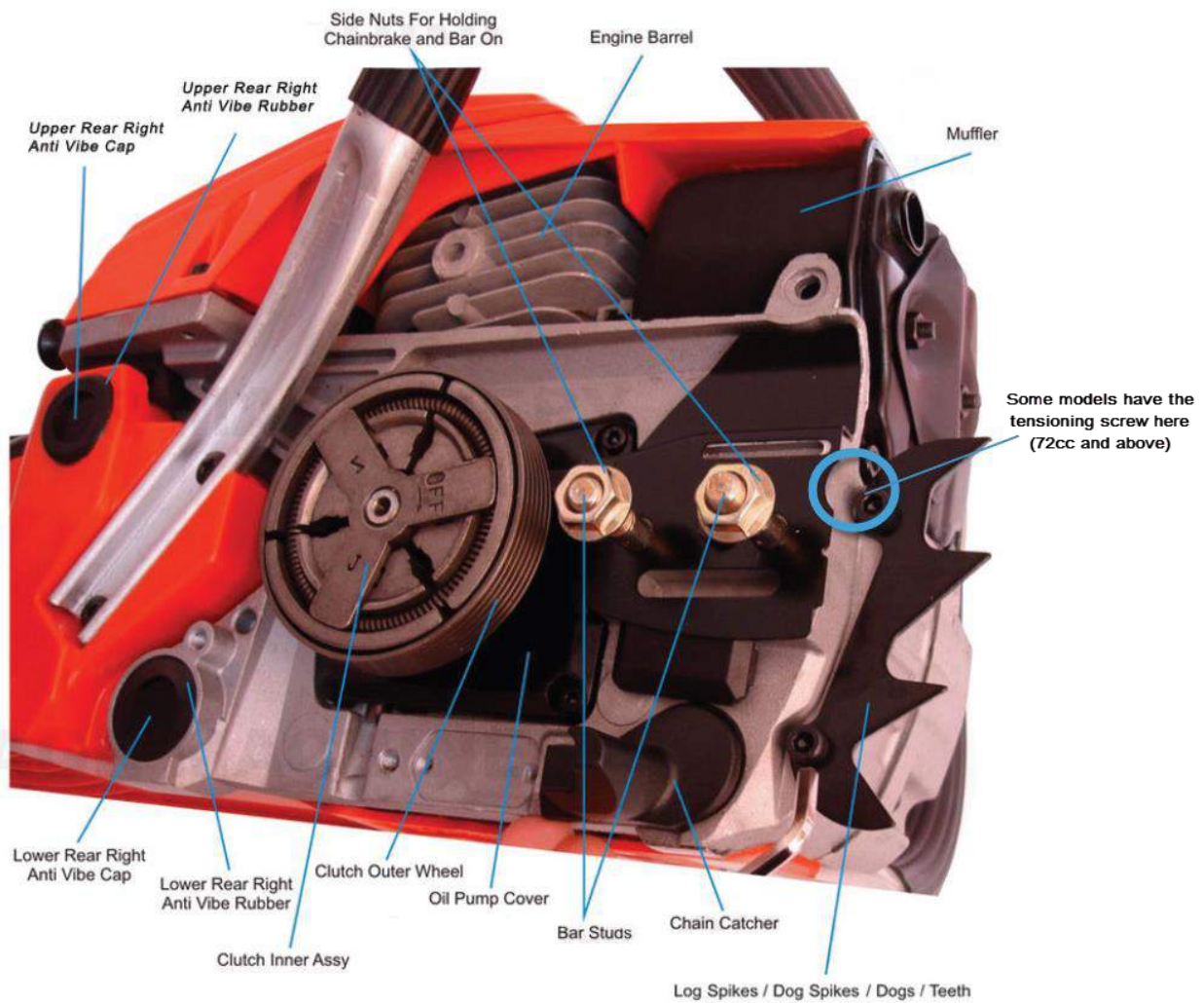
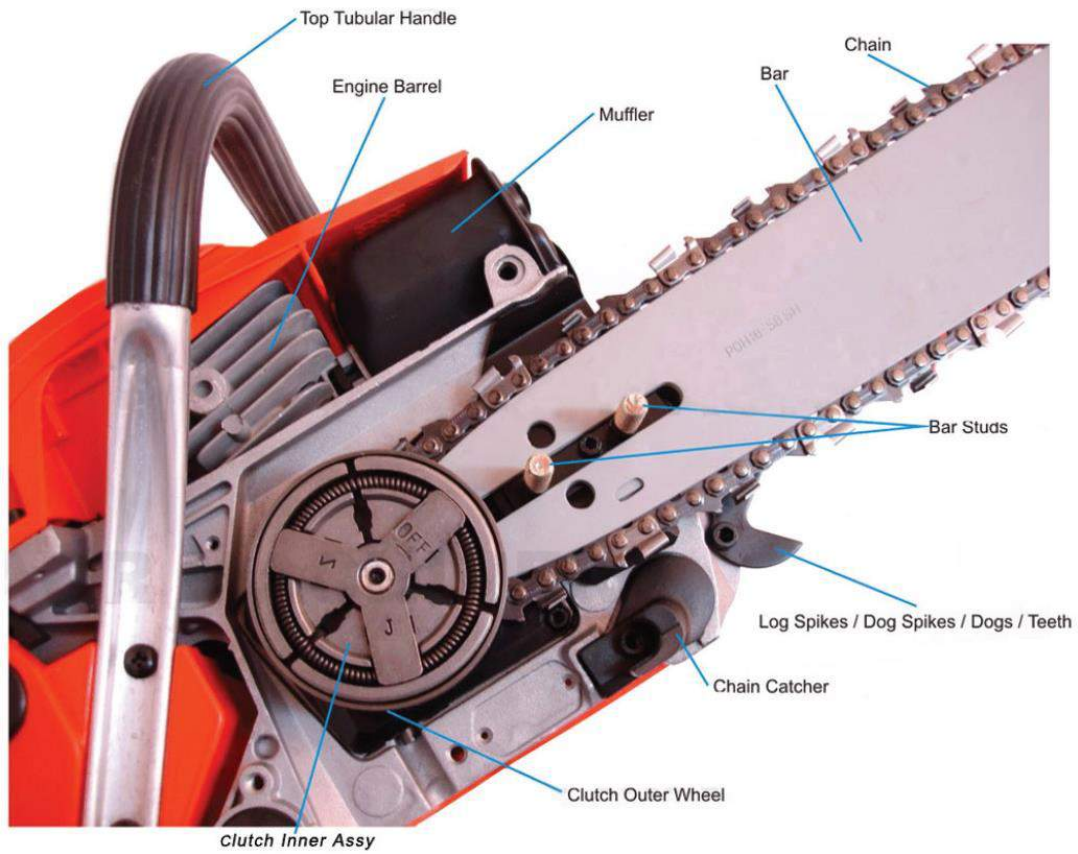
 DANGER	
<p>Using an engine indoors CAN KILL YOU IN MINUTES.</p> <p>Engine exhaust contains carbon monoxide. This is a poison you cannot see or smell.</p>	
 <p>NEVER use inside a home or garage, EVEN IF doors and windows are open.</p>	 <p>Only use OUTSIDE and far away from windows, doors, and vents.</p>
<p>Avoid other hazards.</p> <p>READ MANUAL BEFORE USE.</p>	
<ol style="list-style-type: none">1. DO NOT OPERATE IN A HAZARDOUS LOCATION. SUCH AREAS INCLUDE WHERE THERE IS A RISK OF EXPLOSION OF PETROL FUMES, LEAKING GAS OR EXPLOSIVE DUSTS.2. DO NOT OPERATE IN A CONFINED AREA WHERE EXHAUST GASES, SMOKE OR FUMES COULD REACH DANGEROUS CONCENTRATIONS.3. DO NOT REFUEL WHILE ENGINE IS RUNNING.4. FOR GENERATORS ONLY: THE OUTPUT OF THIS GENERATING SET IS POTENTIALLY LETHAL. THE SET SHOULD NOT BE CONNECTED TO A FIXED ELECTRICAL INSTALLATION EXCEPT BY AN APPROPRIATELY LICENSED PERSON.5. NOT WEATHERPROOF - PROTECT YOUR MACHINE. THIS MACHINE IS NOT WEATHERPROOF AND SHOULD NOT BE EXPOSED TO DIRECT SUNLIGHT, HIGH AMBIENT TEMPERATURE OR DAMP, WET OR HIGH HUMIDITY CONDITIONS.6. EXPLOSION HAZARD: NEVER SMOKE WHILE REFUELLING.7. TAKE CARE NOT TO SPILL FUEL. WHEN REFUELLING THE ENGINE ENSURE THAT THE ENGINE HAS BEEN SWITCHED OFF AND THAT ALL PARTS HAVE BEEN ALLOWED TO COOL. PREVENT THE SPILLING OF FUEL AS THIS MAY ALSO IGNITE WITH A HOT ENGINE. NEVER REFUEL WHILST THE ENGINE IS RUNNING.	

Parts Diagram

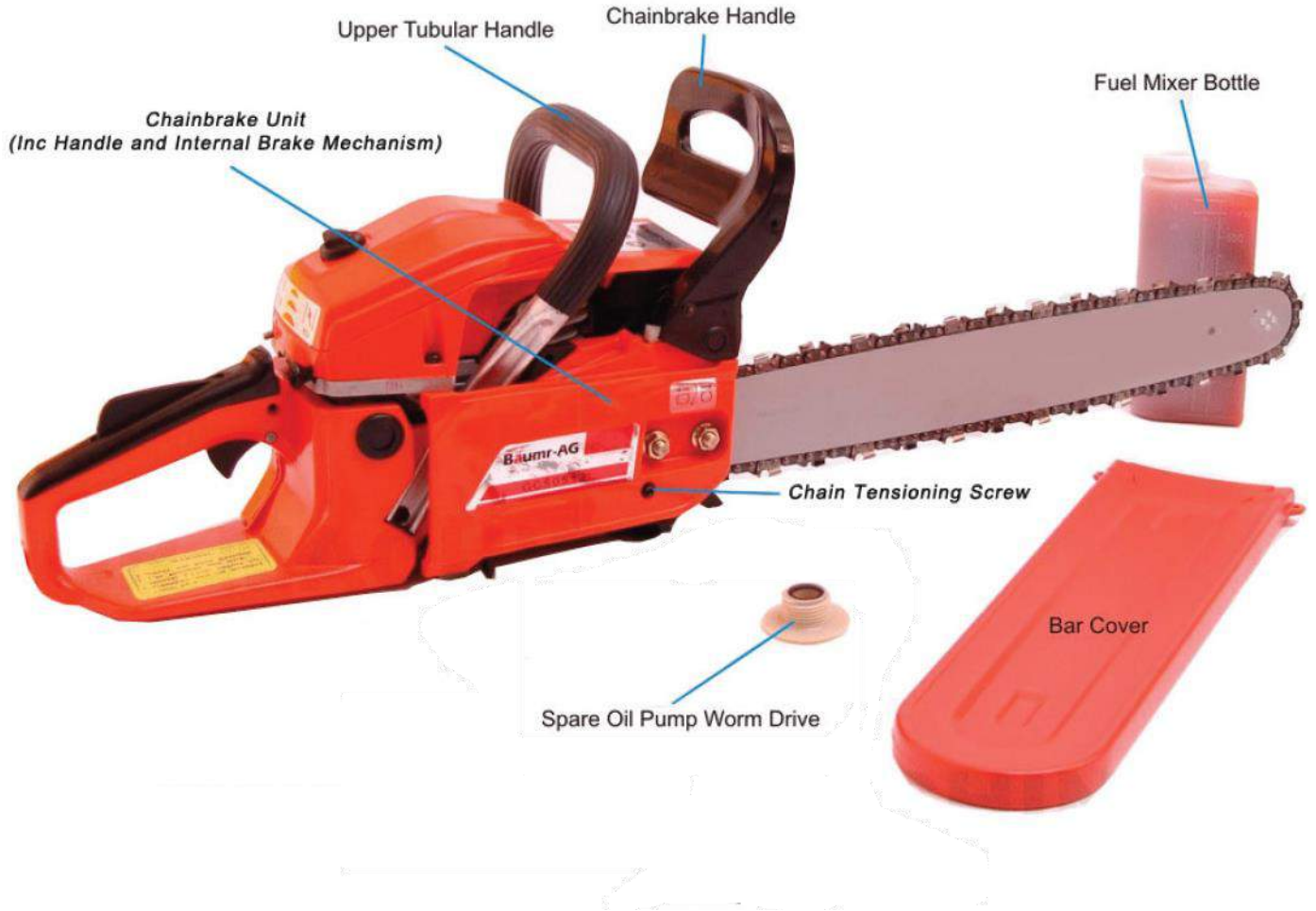
⚠ ATTENTION! Products covered by this manual will vary in appearance, assembly, inclusions, description and packaging.

⚠ NOTE! All parts displayed are not included with every saw – parts supplied vary between model, batch and year model.





⚠ Spare oil pump worm drive for servicing later on (some models only)



GAS (US Gallons)	0.5	1	2	3	PETROL (Litres)	2	4	5	10
OIL (Ounces)	2.56	5.12	10.24	15.36	OIL (ml)	80	160	200	400

2-STROKE ENGINE

ALWAYS USE FRESH FUEL + QUALITY 2 STROKE OIL

25:1

USA Use only a mixture of unleaded gasoline and 2-stroke oil. Minimum 89 octane. **Do NOT use gasohol.** Premium non-ethanol unleaded is fine. Mix a ratio of 25:1 (25 parts gas to 1 part of two stroke oil). This equates to 1 Gallon of gas and 5.12 ounces of two stroke oil.

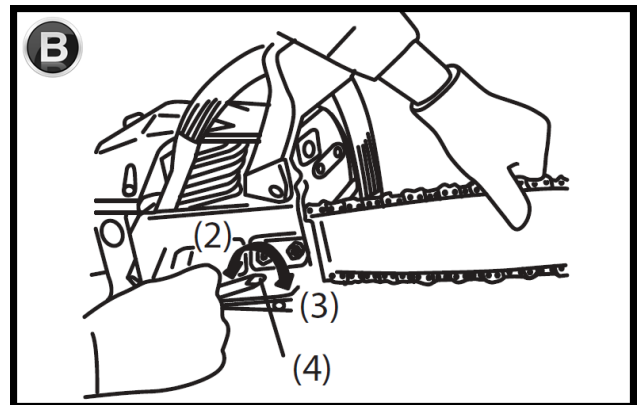
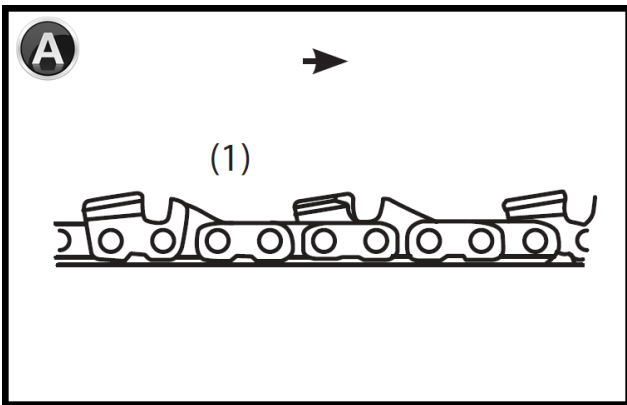
AUS/EU Use only a mixture of normal unleaded petrol and 2-stroke oil. Minimum 89 octane. **Do NOT use an ethanol blended petrol.** Premium non-ethanol unleaded is fine. Mix a ratio of 25:1 (25 parts petrol to 1 part of two stroke oil). This equates to 5 Litres of petrol and 200ml of two stroke oil.

Assembly

⚠ WARNING! The chainsaw has very sharp edges. Use thick protective gloves for safety.

Open the box and install the guide bar and the chainsaw on the power unit as follows:

1. Pull the chainbrake handle toward the rear of the saw (or pull in the direction that would be toward the rear of the saw if the chainbrake was installed onto the saw).
 2. Loosen the nuts and remove the chain brake cover assembly unit.
 3. Install the “dog spikes” to the power unit (Models greater than 45cc only).
 4. Gear the chain to the sprocket and, while fitting the chain around the guide bar, mount the guide bar to the power unit. Adjust the position of the chain tensioner.
 5. Fit the chain brake cover assembly unit to the power unit, ensuring that the pin for the chain tensioner goes through the correct hole on the bar. Put the side bolts on “finger tight” only, do not tighten at this stage.
- NOTE! Cutting chains are directional, ensure you have installed the chain right way round (A)**
6. While holding up the tip of the bar, adjust the chain tension by turning the tensioner screw until the tie straps just touch the bottom side of the bar rail (B).
 7. Tighten the nuts securely with the bar tip held up (12-15 N.m.). Then check the chain for smooth rotation and proper tension while moving it by hand. If necessary, readjust with the chain cover loose.



(1)	Moving Direction
(2)	Loosen
(3)	Tighten
(4)	Tensioner Screw

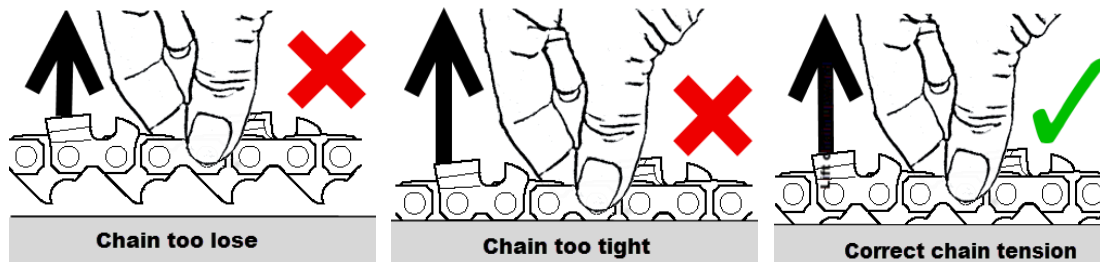
⚠ IMPORTANT! A new chain will stretch when first used. Check and readjust the tension frequently as a loose chain can easily derail and cause rapid wear of itself and the guide bar.

Adjusting the chain using the chain tensioner

- ⚠ WARNING!** Always use protective, non-cut gloves when touching the cutting chain.
- ⚠ DANGER!** Always disconnect the “spark plug lead” before touching the cutting chain.
- ⚠ IMPORTANT!** After running a new chain for 5min the tension must be re-checked. An old chain must be checked every 15min of use.
 1. Disconnect the “spark plug lead” before adjusting your chain.
 2. Slightly loosen the 13mm “main nuts” on the side of the chainsaw and tighten the chain tensioner with a flat bladed screw driver until the chain is tight enough to not jump off the “guide bar”, the chain must have some give or stress on the machine will result (Refer to parts diagrams for locations).

How to tension the cutting chain (use non-cut gloves)

Using a pair of protective gloves pull the chain around the bar by hand and loosen the adjustment if you feel tight spots.



Perform a Snap Test

A quick way to measure the tension of a chainsaw chain is to perform what's known as a "snap test." A properly tensioned chain will rapidly snap back into position around the top of the bar and show no signs of sagging along the bottom of the bar.

1. Start by disconnecting the chainsaw's spark plug lead.
2. While holding the chainsaw in one hand, grasp the chain along the top centre of the chainsaw's bar with two fingers of your other hand. (Always wear heavy gloves and protective eyewear when performing this test.)
3. Lift the chain away from the bar and then quickly release it.







- ⚠ NOTE!** If the chain falls loosely into position along the top of the bar or sags along the bottom of the bar the tension needs to be adjusted.

Before use

Adding Fuel

- ⚠ IMPORTANT!** Use only clean, fresh non-ethanol 95+ unleaded with 2-Stroke oil (25:1)
 - ⚠ IMPORTANT!** Do not overfill the fuel tank.
 - ⚠ IMPORTANT!** Never use stale or contaminated fuel to mix with 2-stroke oil.
 - ⚠ IMPORTANT!** Do not let dirt and water into the fuel tank.
 - ⚠ IMPORTANT!** Tighten the fuel filler cap securely after adding fuel.
1. Clean surface around fuel cap to prevent contamination.
 2. Loosen fuel cap slowly. Rest the cap on a clean surface.
 3. Carefully pour fuel into the tank. Avoid spillage.
 4. Prior to replacing the fuel cap, clean and inspect the gasket.
 5. Immediately replace fuel cap and hand tighten. Wipe up any fuel spillage.


Starting the Engine

-  **CAUTION!** The starter grip can be drawn back very quickly before you can release it. This may pull your hand forcefully toward the engine and cause an injury.
-  **CAUTION!** Do not allow the starter grip to snap back. Return it slowly by hand.
-  **WARNING!** When starting the engine, make sure the cutting attachment is well clear of bystanders, pets or objects. The attachment may rotate during start-up.
-  **WARNING!** The cutting attachment will engage and rotate as the engine starts and accelerates.
-  **CAUTION!** The recoil starter can be damaged by abuse.
-  **NOTE!** As the engine starts / warms it will become possible to rev the engine – do this a few times before starting your job. Engines can run rough when cold / first started.

1. Always remove the bar cover before starting your chain saw.
2. If your chainsaw is fitted with a decompression valve, press it now. It assists with firing the engine and starting your chain saw (not required on most 2014+ models).
3. If your chainsaw has a primer bulb, press it 10 times. This assists with starting and reduces the number of pulls needed to start.
4. Pull the choke lever all the way out.
5. To start the chain saw, lay it on a flat surface. The cutting attachment must not be in contact with the ground to avoid blunting it when starting and putting yourself unnecessarily at risk.
6. Leaving the chain saw on the ground, place your left hand on the handlebar and your right hand on the starter rope. Push your right toecap into the rear handle to stabilize the chain saw.
7. Slowly pull the starter rope with your right hand until you feel resistance. Then pull the starter rope through a full cycle several times until the engine fires briefly. Pull it upward, keeping it as vertical as you can, without allowing the rope to chafe against the fan housing.
8. The engine fires only briefly and dies again immediately. Push the choke all the way in. (some models will have a two stage choke and will only go half way in until the trigger is pulled to run the saw)
9. Pull the starter rope again until the engine fires again.
10. As soon as the engine has fired and is running, touch the throttle trigger briefly with your index finger. (The choke lever will move back to the normal idle setting if fitted with a two stage choke)
11. Then slowly lift up the chain saw, taking care not to touch the throttle trigger.
12. Release the chain brake by pulling the chain brake handle toward you with your left hand. Keep hold of the handlebar with your left hand as you do this. When you hear a click sound, this means the chain has been released and can turn on the bar.
13. Before getting started, check the chain lubrication. Hold up the saw against a light-coloured background, such as a tree trunk or a piece of paper on the ground and open the throttle fully. If some chain lubricant appears on the light-coloured background, then you can start work.
14. The saw is now ready for use. For safe working practices please refer to your Instruction Manual.

Quickstart

1. Fill with fuel
2. Fill with bar oil
3. Engine on/off switch ON
4. Pull Choke lever out
5. On a new start-up you will need to pull the cord until fuel is primed through the system.
6. Once the engine fires push the choke all the way in and pull the cord until the engine starts and runs.

-  Check out our chainsaw starting guide [here](#) alternatively you can visit <http://bit.ly/sx62startupvid> or <http://www.datastreamserver.com/video/SX%2072%20Start%20Up.mp4>

If the Engine Fails To Start

Repeat the appropriate starting procedure (warm or cold engine). If the engine fails to start after frequent attempts, the engine may be flooded (too much fuel in engine) If you suspect your engine is flooded go to next section "Starting a flooded engine"

Starting a Flooded Engine

⚠ CAUTION! Incorrect spark plug installation can result in serious engine damage.

1. Pull the "spark plug cap" off the "spark plug".
2. Using a spark plug wrench; remove the "spark plug" (turn counter clockwise to remove).
3. Push the choke lever down.
4. Hold the throttle trigger all the way in (full throttle)
5. Pull the starter handle rapidly with your right hand to expel/clear the excess fuel from the combustion chamber.
6. Clean the "spark plug" with a cloth to wipe away any excess fuel or oil deposits.
7. Reinstall a "spark plug" and tighten it firmly; hand tight plus 1/3 a turn with the spark plug wrench.
8. Repeat the WARM ENGINE starting procedure above.
9. If the engine still fails to start, see the troubleshooting section near the end of this manual.

Stopping the Engine

⚠ WARNING! The cutting bar continues to rotate for a short period after the throttle is released or the engine is switched off (flywheel effect).

Stop the engine by setting the "STOP SWITCH" to "OFF" position.

Filling with Fuel

1. Clean surface around fuel cap to prevent contamination.
2. Loosen fuel cap slowly. Rest the cap on a clean surface.
3. Carefully pour fuel into the tank. Avoid spillage.
4. Prior to replacing the fuel cap, clean and inspect the gasket.
5. Immediately replace fuel cap and hand tighten. Wipe up any fuel spillage.

Check and Adjust Idle Speed

Start the engine and leave it idle, for two or three minutes, or until it warms up.

⚠ NOTE! The mixture screws are identified with the L (low speed), H (high speed) and the T (throttle) symbols visible on the side of the chainsaw.

⚠ NOTE! Don't touch the H and L screws.

1. If the cutting bar rotates rapidly while the engine is idle, reduce idle speed by turning the throttle screw counter clockwise as necessary.
2. If the engine is stalling and won't idle, increase the idle speed by turning the throttle screw clockwise.

Adjusting the Carburettor

⚠ WARNING! The cutting bar may rotate when the engine is at an idle speed.

⚠ NOTE! The engine will return to idle speed after the throttle trigger is released.

⚠ NOTE! You may require moderate level of mechanical knowledge to service your machine, if in doubt please contact a service centre.

⚠ NOTE! As a rule the engine idle should be turned down to a minimum so that the cutting bar is not spinning rapidly and the engine is only "just" running.

Return idle and mixture screws to factory setting

1. Turn the Idle screw clockwise until it just begins to tighten (do not tighten it)
2. Turn the Idle screw counter clockwise by 5 turns.
3. Turn the Mixture screw clockwise until it just begins to tighten (do not tighten it)
4. Turn the Mixture screw counter clockwise. Low (2.5 times) high (2 times)

⚠ NOTE! For high altitude it is recommended to use Low (3 times) and high (1.5 times)

5. Now start the engine.
6. Ensure the choke is down and the engine is warm.
7. Pull the throttle trigger in all the way (full throttle)
8. With the engine running at full throttle; turn the mixture screw clockwise until the engine is running at its absolute fastest.

⚠ CRITICAL! Prevent Engine Damage Once The Engine Is Running At Its Fastest; Turn The Mixture Screw Counter Clockwise By ¼ Of A Turn.

9. For fine tuning of idle speed, attach a cutting head and adjust the idle screw to minimise cutting tool movement while keeping the engine fast enough to run smoothly.

Maintenance

⚠ WARNING! Always wear gloves when working around the cutter assembly.

⚠ WARNING! Before performing any maintenance, repair, or cleaning work on the unit, make sure the engine and cutting attachment are completely stopped. Disconnect the spark plug wire before performing service or maintenance work.

⚠ WARNING! Non-standard parts may not operate properly with your unit and may cause damage and lead to personal injury.

⚠ WARNING! Operating the engine without a muffler or with a damaged muffler installed can increase engine the noise sufficiently and lead to hearing loss.

⚠ NOTE! This machine must never be operated with a defective or missing spark arrestor or muffler, Make sure the muffler is well secured and in good condition. A damaged muffler is a fire hazard and may cause hearing loss.

1. Carefully remove any accumulating dirt or fragments from the muffler and fuel tank. Dirt build-up in these areas can lead to engine overheating, fire, or premature wear.
2. Check for loose or missing screws or components.
3. Make sure the cutting attachment is free from dirt and securely fastened.
4. Check the entire machine for leaking fuel or grease.
5. Make sure nuts, bolts and screws (except carburettor adjusting screws) are tight.
6. Clean any fragments or dirt from the hedge trimmer cutter blades.
7. Lubricate the blades before use and after refuelling.
8. Check the cutters for damage or incorrect adjustment.
9. Make sure the cutter attachment is securely fastened.
10. Keep the spark plug and wire connections tight and clean.
11. Remove all dirt and debris from the engine, check the cooling fins and air cleaner for clogging, and clean as necessary.

2-Stroke Petrol Engine Service Schedule	Each Use	Every 1 Month or Every 15hrs (Whichever comes first)	Every 3 Months or Every 30hrs (Whichever comes first)	Every 6 Months or Every 60hrs (Whichever comes first)	Every 12 Months or Every 100hrs (Whichever comes first)
Check machine for loose nuts/screws	CHECK				
Tighten all nuts & screws			COMPLETE	REPLACE	
Fuel Strainer Cup (If Equipped)	CHECK				
Air Cleaner	CHECK	CLEAN / REPLACE AS NECESSARY			
Fuel Filter (if equipped)			CHECK	REPLACE	
Spark Plug			CHECK	REPLACE	
Clean/Flush Fuel Tank			COMPLETE	REPLACE	
Fuel Line	CHECK	REPLACE AS NECESSARY			
Cutting Blades / Chain [Items with Blade(s) / Chain Only]	CHECK	REPLACE AS NECESSARY			
Adjust Idle Speed					ADJUST
Tune Engine			CHECK		
Clean combustion chamber			CHECK	REPLACE	





Harsh conditions such as high temperature operation, higher than normal loads and dusty applications will require reduced service intervals.

Max. continuous running time without cool-off / daily check assuming full oil level and no noticable oil usage or other concerns - 2hrs

The manufacturer recommends that the number of hours per year be within the stated range for optimum machine performance, based on factors including consumable replacement intervals and machine life over an extended warranty period - recommended 260hrs.

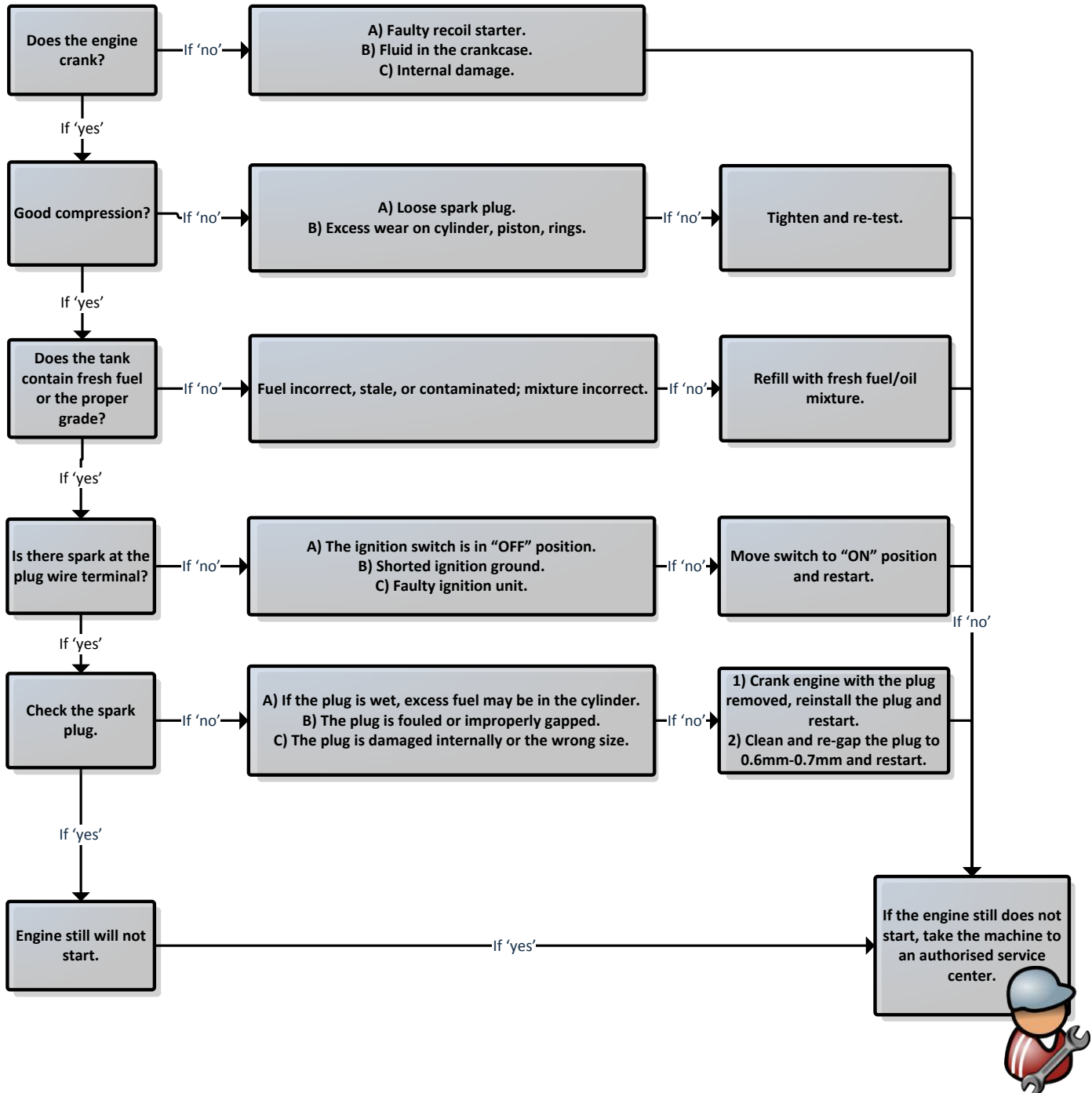
Please note: Product failure as a result of not following the service schedule will void warranty. Be sure to keep records/receipts of all maintenance carried out for verification should a warranty query arise. The machine must be kept clean and out of the weather and have all damaged/broken parts replaced in order to be covered by warranty. Items purchased at discount/clearance prices have been known to be treated with less respect than items that are purchased at full retail. Items that show signs of neglect, abuse or lack of care qualify for warranty coverage at the discretion of the provider. In cases where the item has not been well kept, maintained or serviced qualify for warranty coverage at the discretion of the provider.

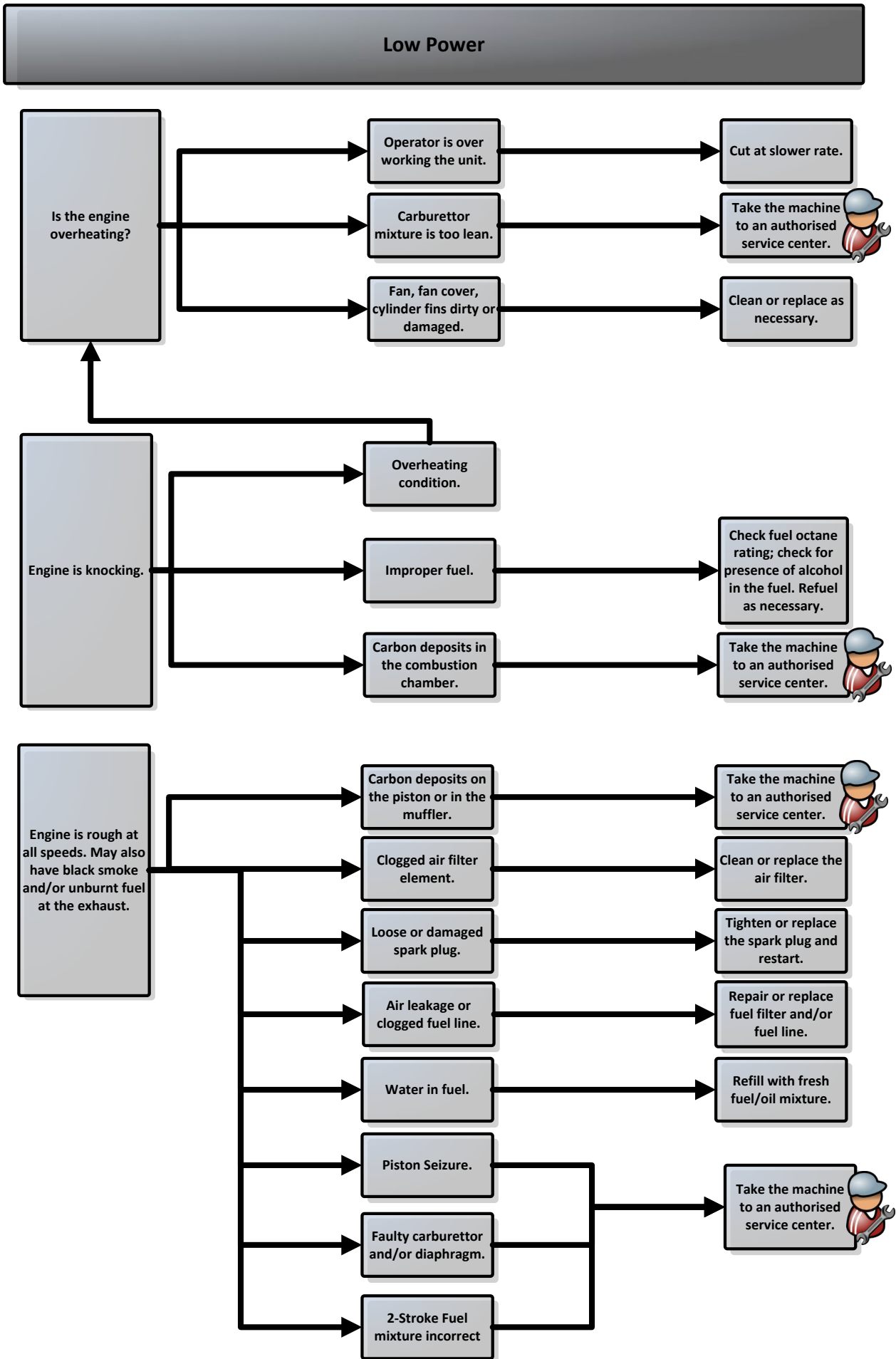
Transporting & Storage

-  **CAUTION!** Fuel stored in the carburettor for extended periods can cause hard starting, and could also lead to increased service and maintenance costs.
 -  **IMPORTANT!** Use only clean, fresh non-ethanol 95+ unleaded with 2-Stroke oil mix.
 -  **IMPORTANT!** If the machine will not be used for 30 days or longer, use the following procedures to prepare it for storage.
 -  **IMPORTANT!** Before storing the machine, repair or replace any worn or damage parts. Make sure the protective covers are in place.
1. Clean external parts thoroughly and apply a light coating of oil to all metal surfaces.
 2. Remove the spark plug and pour about 3ml of oil into the cylinder through the spark plug hole. Slowly pull the recoil starter 2 or 3 times so oil evenly coat the interior of the engine. Reinstall the spark plug.
 3. Blow dust / debris out of the air cleaner element using compressed air if available.
 4. Store the machine in a clean, dry, dust-free area.
 5. Always ensure the chainsaw has the appropriate cover on the bar and chain assembly.

Troubleshooting

Engine does not start





Specifications

SX62



Manufacturer: BAUMR-AG

Engine Type: 2-Stroke

Engine Displacement: 62cc

Engine Output: 4.5hp (peak)

Bar Length: 20"

Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)

Starting Method: Recoil

Bar Oil Type: Chainsaw bar oil available from local hardware store.

Chain Spec: 20", Pitch 0.325, Gauge 0.058, Links 76

Weight: 5.5(kg)

CHNSAW-BAUM-82SX



Manufacturer: BAUMR-AG

Engine Type: 2-Stroke

Engine Displacement: 82cc

Engine Output: -

Bar Length: 24"

Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)

Starting Method: Recoil

Bar Oil Type: Chainsaw bar oil available from local hardware store.

Chain Spec: 24", Pitch 3/8, Gauge 0.063, Links 84

Weight: 10.1(kg)

CHNSAW-BAUM-66SX



Manufacturer: BAUMR-AG

Engine Type: 2-Stroke

Engine Displacement: 66cc

Engine Output: -

Bar Length: 20"

Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)

Starting Method: Recoil

Bar Oil Type: Chainsaw bar oil available from local hardware store.

Chain Spec: 20", Pitch 0.325, Gauge 0.058, Links 76

Weight: 8.3(kg).

CHNSAW-BAUM-76SX



Manufacturer: BAUMR-AG
Engine Type: 2-Stroke
Engine Displacement: 76cc
Engine Output: -
Bar Length: 24"
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Starting Method: Recoil
Bar Oil Type: Chainsaw bar oil available from local hardware store.
Chain Spec: 24", Pitch 3/8", Gauge 0.063, Links 84
Weight: 9.3(kg).

CHNSAW-BAUM-72SX



Manufacturer: BAUMR-AG
Engine Type: 2-Stroke
Engine Displacement: 72cc
Engine Output: 4.5hp (peak)
Bar Length: 24"
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Starting Method: Recoil
Bar Oil Type: Chainsaw bar oil available from local hardware store.
Chain Spec: 24", Pitch 3/8", Gauge 0.063, Links 84
Weight: 7(kg).

CS-45



Manufacturer: BAUMR-AG
Engine Type: 2-Stroke
Engine Displacement: 45cc
Engine Output: 2.5hp (peak)
Bar Length: 16"
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Starting Method: Recoil
Bar Oil Type: Chainsaw bar oil available from local hardware store.
Chain Spec: 16", Pitch 0.325, Gauge 0.058, Links 72
Weight: 5.5(kg).

CHNSAW-BAUM-82SX



Manufacturer: BAUMR-AG
Engine Type: 2-Stroke
Engine Displacement: 82cc
Engine Output: -
Bar Length: 24"
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Starting Method: Recoil
Bar Oil Type: Chainsaw bar oil available from local hardware store.
Chain Spec: 24", Pitch 3/8, Gauge 0.063, Links 84
Weight: 7(kg).

CS-38



Engine Displacement: 38cc
Engine Output: -
Bar Length: 16"
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Starting Method: Recoil
Bar Oil Type: Chainsaw bar oil available from local hardware store.
Chain Spec: 16", Pitch 3/8, Gauge 0.063, Links 84
Weight: 5.8(kg).

Manufacturer: BAUMR-AG
Engine Type: 2-Stroke

CHNSAW05CMTMADJF



Manufacturer: BAUMR-AG
Engine Type: 2-Stroke
Engine Displacement: 58cc
Engine Output: 3.7hp (peak)
Bar Length: 18"
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Starting Method: Recoil
Bar Oil Type: Chainsaw bar oil available from local hardware store.
Chain Spec: 18", Pitch 0.325, Gauge 0.058, Links 72
Weight: 5.5(kg).

CHNSAW-MTM-45SX



Manufacturer: MTM
Engine Type: 2-Stroke
Engine Displacement: 45.2cc
Engine Output: 2.5hp (peak)
Bar Length: 18"
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Starting Method: Recoil
Bar Oil Type: Chainsaw bar oil available from local hardware store.
Chain Spec: 18", Pitch 0.325, Gauge 0.058, Links 72
Weight: 5.5(kg).

SX-25



Manufacturer: BAUMR-AG
Engine Type: 2-Stroke
Engine Displacement: 25cc
Engine Output: 1.2hp (peak)
Bar Length: 10"
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Starting Method: Recoil
Bar Oil Type: Chainsaw bar oil available from local hardware store.
Chain Spec: 10", Pitch 3/8", Gauge 0.050, Links 40
Weight: 3.4(kg).

Appendix