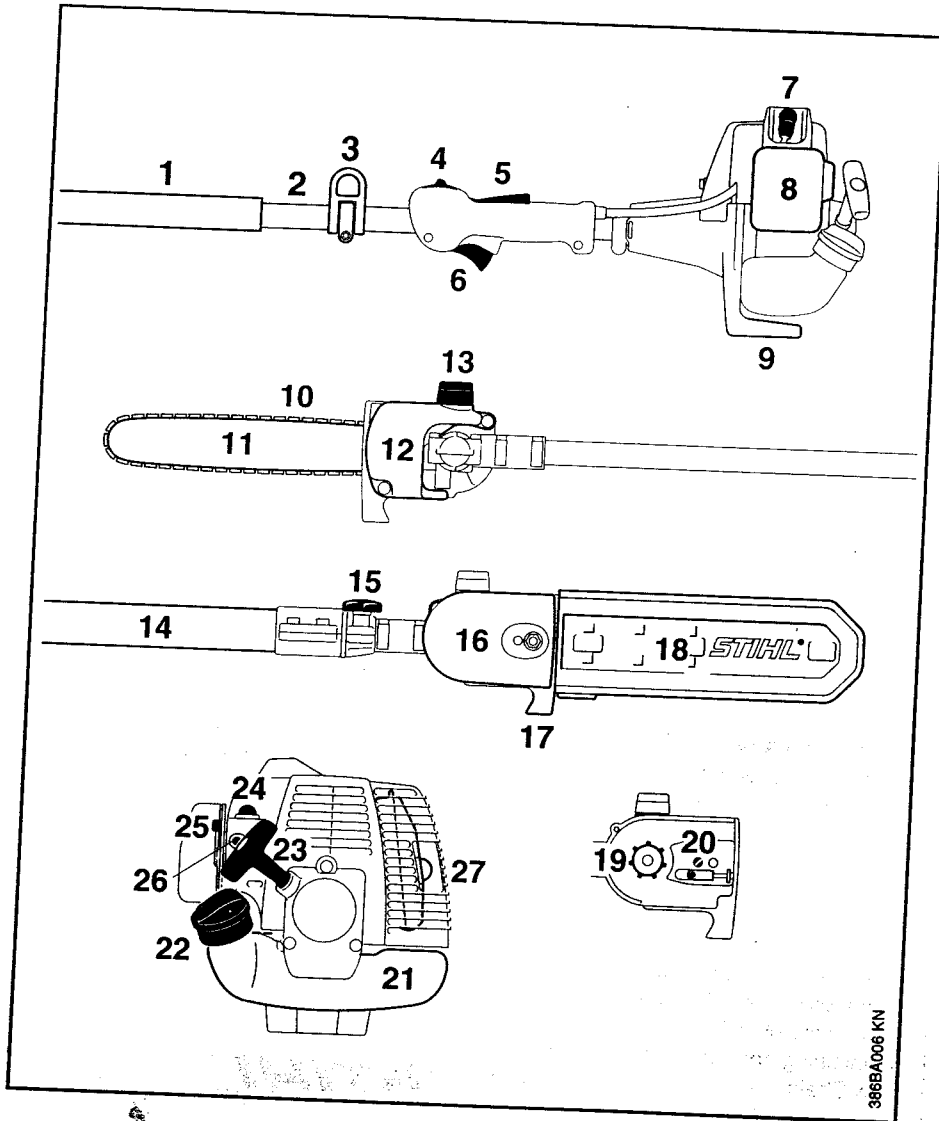


Definitions

- 1. Handle Hose (HT 70).**
For holding machine during starting and cutting work.
 - 2. Rigid Shaft (HT 70).**
Device to connect the engine with the gearbox.
 - 3. Carrying Ring.**
The device to connect the pruner to the harness.
 - 4. Slide Control.**
Starting throttle lock and stop switch. Keeps the throttle partially open during starting and switches the engine's ignition off and stops the engine.
 - 5. Throttle Trigger Interlock.**
Must be depressed before the throttle trigger can be activated.
 - 6. Throttle Trigger.**
Controls the speed of the engine.
 - 7. Spark Plug Boot.**
Connects the spark plug to the ignition wire.
 - 8. Air Filter Cover.**
Covers the air filter element.
 - 9. Machine Support.**
For resting machine on the ground.
 - 10. Oilomatic Saw Chain.**
A loop consisting of cutters, tie straps and drive links.
 - 11. Guide Bar.**
Supports and guides the saw chain.
 - 12. Oil Tank.**
Tank for chain lubricating oil.
 - 13. Oil Filler Cap.**
For closing the oil tank.
 - 14. Telescopic Shaft.**
Adjustable shaft enables machine's reach to be optimized.
 - 15. Clamp Screw.**
Has to be released to adjust length of telescopic shaft.
 - 16. Chain Sprocket Cover.**
Covers the clutch and the sprocket.
 - 17. Hook.**
For hooking machine to branch and pulling branches away.
 - 18. Chain Guard (Scabbard).**
Covers chain for transportation and during out-of-service periods.
 - 19. Chain Sprocket.**
The toothed wheel that drives the saw chain.
 - 20. Chain Tensioner.**
Permits precise adjustment of chain tension.
 - 21. Fuel Tank.**
For fuel and oil mixture.
 - 22. Fuel Filler Cap.**
For closing the fuel tank.
 - 23. Starter Grip.**
The grip of the pull starter, which is the device to start the engine.
 - 24. Fuel Pump.**
Provides additional fuel feed for a cold start.
 - 25. Choke Lever.**
Eases engine starting by enriching mixture.
 - 26. Carburetor Adjusting Screws.**
For tuning carburetor
 - 27. Muffler. (with spark arresting screen).**
Reduces engine exhaust noise and directs the exhaust gases. The spark arresting screen is designed to reduce the risk of fire.
- Guide Bar Nose.**
The exposed end of the guide bar. (not illustrated, see chapter „Tensioning the Saw Chain“.)
- Clutch.**
Couples engine to chain sprocket when engine is accelerated beyond idle speed (not illustrated).

Parts and Controls



- 1 Handle hose (HT 70)
- 2 Rigid shaft (HT 70)
- 3 Carrying ring
- 4 Slide control
- 5 Throttle trigger interlock
- 6 Throttle trigger
- 7 Spark plug boot
- 8 Air filter cover
- 9 Machine support

- 10 Oilomatic saw chain
- 11 Guide bar
- 12 Oil tank
- 13 Oil filler cap

- 14 Telescopic shaft (HT 75)
- 15 Clamp screw (HT 75)
- 16 Chain sprocket cover
- 17 Hook
- 18 Chain guard (scabbard)

- 19 Chain sprocket
- 20 Chain tensioner

- 21 Fuel tank
- 22 Fuel filler cap
- 23 Starter grip
- 24 Fuel pump
- 25 Choke lever
- 26 Carburetor adjusting screws
- 27 Muffler
(with spark arresting screen)

386BA006 KN



Contents

Dear Customer,

Thank you for choosing a quality-engineered STIHL product.

This product has been manufactured with the aid of modern production processes and has undergone extensive quality controls. Everything is done to ensure that you derive maximum satisfaction from your new machine.

If you have any questions about your machine, please contact your STIHL Dealer or STIHL Marketing Subsidiary.

Hans Peter Stihl

Hans Peter Stihl



Printed on chlorine-free paper

Printing inks contain vegetable oils, paper is recyclable

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STIHL[®]

- Keep the AV system well maintained. A pole pruner with loose components or with damaged or worn AV buffers will tend to have higher vibration levels.
- Maintain a firm grip at all times, but do not squeeze the handles with constant, excessive pressures, take frequent breaks.

All the above mentioned precautions do not guarantee that you will not sustain whitefinger disease or carpal tunnel syndrome. Therefore continual and regular users should monitor closely the condition of their hands and fingers. If any of the above symptoms appear, seek medical advice immediately.

Proper Clothing



Clothing must be sturdy and snug-fitting, but allow complete freedom of movement. Avoid loose-fitting jackets, scarves, neckties, jewelry, flared or cuffed pants, or anything that could become entangled with the pruner or brush. Wear overalls or jeans with reinforced cut retardant inserts.



Wear gloves to improve your grip and help protect your hands when handling the pole pruner and saw chain. Heavy-duty, nonslip gloves are recommended.



Good footing is most important in pole pruner work. Wear sturdy boots with nonslip soles. Steel-toed safety boots are recommended.



To reduce the risk of injury to your eyes never operate a pole pruner unless wearing goggles or properly fitted safety glasses with adequate top and side protection complying with ANSI Z 87.1.

To reduce the risk of injury to your face, STIHL recommends that you also wear a face shield or face screen over your goggles or safety glasses.

Wear an approved safety hard hat to reduce the risk of head injury. pole pruner noise may damage your hearing. Always wear sound barriers (ear plugs or ear muffs) to reduce the risk of hearing loss. Continual and regular users should have their hearing checked regularly.

THE pole pruner

For illustrations and definitions of the parts of the pole pruner see the chapter on "Parts and Controls" and "Definitions".

Warning !

Never modify a pole pruner in any way. Only attachments and parts supplied by STIHL or expressly approved by STIHL for use with the specific STIHL pole pruner models are authorized. Although certain unauthorized attachments are useable with the STIHL powerhead, their use may, in fact, be extremely dangerous.

Use the unit only with the recommended saw chain and guide bar - a longer bar makes the unit difficult to control.

THE USE OF THE UNIT

Transporting the pole pruner

Warning !

Always stop the engine before putting a pole pruner down or carrying it. Carrying a pole pruner with the engine running is extremely dangerous. Accidental acceleration of the engine can cause the chain to rotate.

Warning !

During operation, the powerhead muffler and the material around it reach extremely high temperatures. Avoid touching the hot muffler - you could receive serious burns.

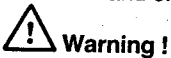
Safety Precautions



The use of any pole pruner may be hazardous. The pole pruner chain has many sharp cutters. If the cutters contact your flesh, they will cut you, even if the chain is not moving. At full throttle, the chain speed can reach 68 mph (30 m/s). It is important that you read, fully understand and observe the following safety precautions and warnings. Read the owner's manual **and** the safety instructions periodically.

All safety precautions that are generally observed when working with an axe or a hand saw also apply to the operation of pole pruners. However, because a pole pruner is a high-speed, fast-cutting power tool with a very long reach, special safety precautions must be observed to reduce the risk of personal injury.

Have your STIHL dealer show you how to operate your pole pruner. Observe all applicable local safety regulations, standards and ordinances.



Warning!

Minors should never be allowed to use a pole pruner. Bystanders, especially children, and animals should not be allowed in the area where a pole pruner is in use. Never let the pole pruner run unattended.

The pole pruner user is responsible for accidents or risks involving third parties or their property.



Do not lend or rent your pole pruner without the owner's manual. Be sure that anyone using your pole pruner reads and understands the information contained in this manual.

These safety precautions and warnings apply to the use of all STIHL pole pruners. Different models may have different parts and controls. See the appropriate section of your owner's manual for a description of the controls and function of the parts of your model pole pruner.

Safe use of a pole pruner involves:

1. the operator
2. the pole pruner
3. the use of the pole pruner.

THE OPERATOR

Physical Condition

You must be in good physical condition and mental health and not under the influence of any substance (drugs, alcohol) which might impair vision, dexterity or judgment.

Do not operate a pole pruner when you are fatigued. Be alert - if you get tired while operating your pole pruner, take a break. Tiredness may result in loss of control. Working with any pole pruner can be strenuous. If you lack sufficient strength to maintain control of the pruner, do not use it. If you have any condition that might be

aggravated by strenuous work, check with your doctor before operating a pole pruner.



Warning!

Prolonged use of pole pruners (or other machines) exposing the operator to vibrations may produce whitefinger disease (Raynaud's phenomenon) or carpal tunnel syndrome. These conditions reduce the hand's ability to feel and regulate temperature, produce numbness and burning sensations and may cause nerve and circulation damage and tissue necrosis.

All factors which contribute to whitefinger disease are not known, but cold weather, smoking and diseases or physical conditions that affect blood vessels and blood transport, as well as high vibration levels and long periods of exposure to vibration are mentioned as factors in the development of whitefinger disease. In order to reduce the risk of whitefinger disease and carpal tunnel syndrome, please note the following:

- Most STIHL power tools are available with an anti-vibration ("AV") system designed to reduce the transmission of vibrations created by the engine to the operator's hands. An AV system is recommended for those persons using power tools on a regular or sustained basis.
- Wear gloves and keep your hands warm.



HT 70, 75

injure the operator or bystanders, or damage the saw chain.

Warning!

In order to keep control of your pole pruner, always maintain a firm foothold. Never work on a ladder, in a tree or on any other insecure support. When working at a height above 4,5m (15ft) use a lift bucket. For pole pruner with adjustable shaft: Expand the shaft only as far as necessary for the intended application.

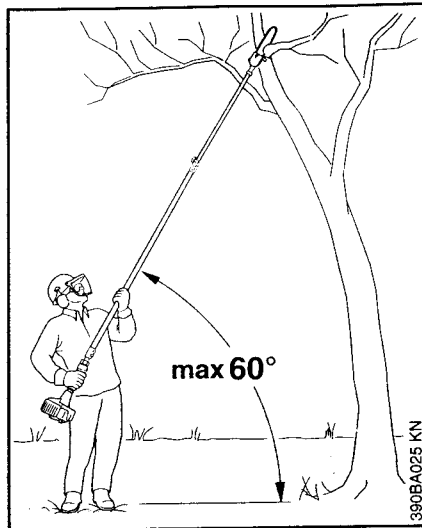
Warning!

Don't put pressure on the pole pruner when reaching the end of a cut. The pressure may cause the bar and rotating chain to pop out of the cut or kerf, go out of control and strike the operator or some other object.

Warning!

Prior to limbing, clear the working area from interfering limbs and brush. Then, establish a path of escape and remove all obstacles.

Keep work area clear – move away fallen limbs. Place all tools and equipment at a safe distance from the branches being limbed, but not on the escape path.



Warning!

To reduce the risk of personal or even fatal injury from falling objects do not cut vertically above your body. Hold the pole pruner at an angle of not more than 60° from the horizontal level (see picture). Objects may fall in unexpected directions. Do not stand directly underneath the limb being cut. Watch for falling wood. As soon as the limbed branch starts to fall, step aside and keep distance away from the falling wood.

Warning!

Always observe the general condition of the tree. Look for decay and rot in the trunk and branches. If it is rotted inside, it could snap and fall toward the operator while being cut. Also look for broken or dead branches which could vibrate loose and fall on the operator. If branch is thick or heavy, make a shallow relief cut on the bottom of the branch before cutting down from the top to help prevent splitting of the branch. Always pull the unit out of the cut with the chain running to reduce the possibility of pinching the cutting attachment.

If the bar becomes pinched and caught in the branch so that the chain can no longer move, shut off the pruner and carefully move the branch to open the pinch and release the bar.

falling objects and thrown pieces of wood or in advertent contact with the rotating chain of the pruner always keep bystanders at least 15m (50ft) away when the pole pruner is running. Operate your pole pruner only outdoors in a ventilated area.

Warning!



Your pole pruner produces toxic exhaust fumes as soon as the combustible engine is running. These gases (e.g. carbon monoxide) may be colorless and odorless. To reduce the risk of serious or fatal injury from breathing toxic fumes, never run the pole pruner indoors or in poorly ventilated locations.

Warning!

The muffler and other parts of the engine (e.g. fins of the cylinder, spark plug) become hot during operation and remain hot for a while after stopping the engine. To reduce risk of burns do not touch the muffler and other parts while they are hot.

Operate the pole pruner under good visibility and daylight conditions only. Don't work alone. Keep within calling distance of others in case help is needed.

Warning!

Take extreme care in wet and freezing weather and in slippery conditions (rain, snow, ice). Put off the work when the weather is windy, stormy or rainfall is heavy.



Warning!

Avoid stumbling on obstacles such as stumps, roots or rocks and watch out for holes or ditches. Be extremely cautious when working on slopes or uneven ground.

Warning!

To reduce risk of serious or fatal injury from loss of control of the pole pruner never attempt to operate any pole pruner with one hand. Always hold the pole pruner firmly with both hands. Wrap your fingers tightly around the control handle and shaft, keeping the handle and shaft between your thumb and forefinger.

Keep your hands in this position to have your pole pruner under control at all times. Make sure the handle and shaft are in good condition and free of moisture, pitch, oil or grease. Place your left hand on front handle and your right hand on rear handle and throttle trigger. Left handers should follow these instructions too.

Warning!

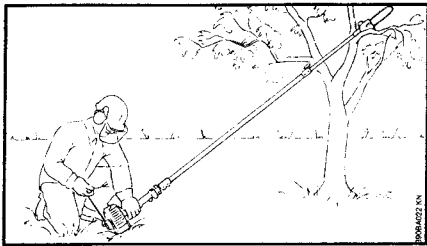
Do not operate your pole pruner with the starting throttle lock engaged. Cutting with the starting throttle lock engaged does not permit the operator proper control of the pole pruner or chain speed. Always cut at full throttle.

Warning!

Never touch a chain with your hand or any part of your body when the engine is running, even when the chain is not rotating. The chain continues to rotate for a short period after the throttle trigger is released.

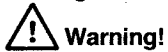
Do not cut any material other than wood or wooden objects. Use your pole pruner for limbing only. It is not designed for felling. It is not designed for prying or shoveling away limbs, roots or other objects.

When limbing, make sure that the saw chain does not touch any foreign materials such as rocks, fences, nails and the like. Such objects may be flung off and



and fire, tighten fuel cap by hand with as much force as possible. Check fuel cap periodically for tightness.

Starting



Warning!

Your pole pruner is a one-person unit. Do not allow other persons to be near the running pole pruner. Keep bystanders at least 15m (50ft) away. Start and operate your pole pruner without assistance.

For specific starting instructions, see the appropriate section of the Owner's Manual. Proper starting methods reduce the risk of injury.

Place the pole pruner on firm ground or other solid surface in an open area or in the alternate as shown in the above picture. Maintain a good balance and secure footing.



Warning!

To reduce the risk of injury from loss of control, be sure that the guide bar and chain are clear of you and all other

obstructions and objects, including the ground. When the engine is started, the engine speed with the starting throttle lock engaged will be fast enough for the clutch to engage the sprocket and turn the chain. Never attempt to start the pole pruner when the guide bar is in a cut or kerf.

When you pull the starter grip, do not wrap the starting rope around your hands. Do not allow the grip to snap back, but guide the starter rope slowly back to permit the rope to rewind properly. Failure to follow this procedure may result in injury to hand or fingers and may damage the starter mechanism.

Important adjustments



Warning!

To reduce the risk of personal injury from loss of control or contact with the running chain, do not use a pole pruner with incorrect idle adjustment. At correct idle speed, the chain should not rotate. For directions to adjust idle speed, see the appropriate section of your owner's manual. If you cannot set the correct idle speed, have your STIHL dealer check your pole pruner and make proper adjustments or repairs.

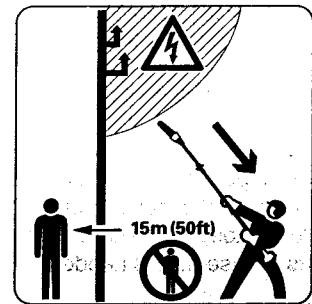
After adjusting chain tension, start the pole pruner, let the engine run for a while, then switch engine off and recheck chain tension. Proper chain tension is very important at all times.

Working Conditions

Danger! Risk of Electrocutation!

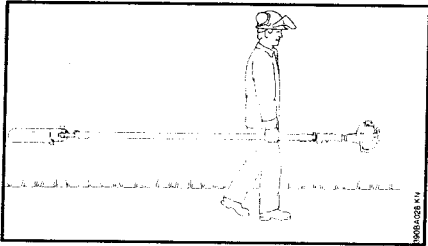


This pruner is not insulated against electric shock. Approaching or contacting electric power lines with a pruner may cause death by electrocution or serious bodily injury. Electricity can jump from one point to another by means of arcing. Higher voltage increases the distance electricity can arc. Electricity can also move through branches, especially if they are wet. Maintain a clearance of at least 15m (50ft) between the pruner (including any branches it is contacting) and any electrical line carrying live current. Before working with less clearance, contact your electric utility and make sure current is turned off.



Warning!

The pole pruner has a large range. In order to reduce the risk of personal or even fatal injury to bystanders from



By hand: When carrying your pole pruner by hand, the engine must be stopped and the pole pruner must be in the proper position. The chain guard (scabbard) should be over the chain and the guide bar, which should point backwards. When carrying your pole pruner, the bar should be behind you.

By vehicle: When transporting in a vehicle, keep chain and bar covered with the chain guard. Properly secure your pole pruner to prevent turnover, fuel spillage and damage to the pole pruner.

Preparation for the use of the pole pruner

Take off the chain guard and inspect for safety in operation. For assembly, follow the procedure described in the chapter "Mounting the Bar and Chain" of your owner's manual.

STIHL Oilomatic chain, guide bar and sprocket must match each other in gauge and pitch.

Warning!

Proper tension of the chain is extremely important. In order to avoid improper setting, the tensioning procedure must be followed as described in your manual. Always make sure the hexagonal nut(s) for the sprocket cover is (are) tightened securely after tensioning the chain. Never start the pole pruner with the sprocket cover loose. Check chain tension once more after having tightened the nut(s) and thereafter at regular intervals (whenever the pole pruner is shut off). If the chain becomes loose while cutting, shut off the engine and then tighten. Never try to tighten the chain while the engine is running!

Fueling

Your STIHL pole pruner uses an oil-gasoline mixture for fuel (see chapter "Fuel" of your owner's manual).

Warning!

Gasoline is an extremely flammable fuel. If spilled or ignited by a spark or other ignition source, it can cause fire and serious burn injury or property damage. Use extreme caution when handling gasoline or fuel mix.



Do not smoke or bring any fire or flame near the fuel.

Fueling Instructions

Fuel your pole pruner in well-ventilated areas, outdoors only.

Always shut off the engine and allow it to cool before refueling. Gasoline vapor pressure may build up inside the gas-tank of a two cycle engine depending on the fuel used, the weather conditions, and the venting system of the tank. In order to reduce the risk of burns or other personal injury from escaping gas vapor and fumes, remove the fuel cap on the STIHL product carefully so as to allow any pressure build-up in the tank to release slowly. Never remove fuel filler cap while engine is running.

Select bare ground for fueling and move at least 10 feet (3 m) from fueling spot before starting the engine. Wipe off any spilled fuel before starting your pole pruner, and check for leakage.

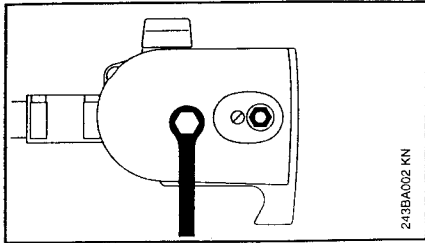
Check for fuel leakage while refueling and during operation. If fuel or oil leakage is found, do not start or run the engine until leak is fixed and spilled fuel has been wiped away. Take care not to get fuel on your clothing. If this happens, change your clothing immediately.

Warning!

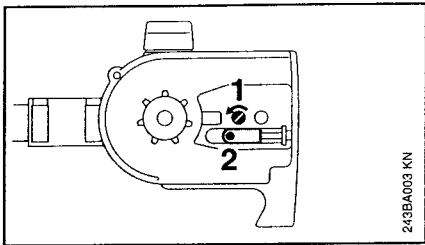


Unit vibrations can cause an improperly tightened fuel cap to loosen or come off and spill quantities of fuel. In order to reduce risk of fuel spillage

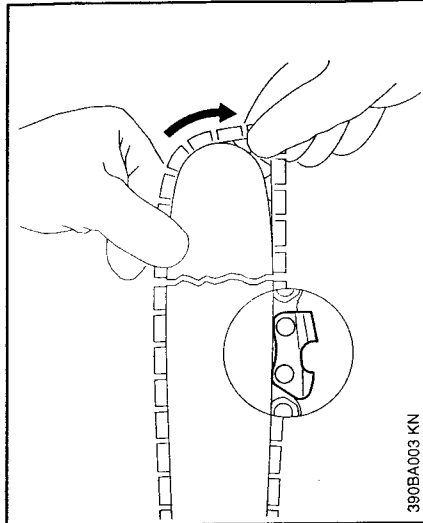
Mounting the Bar and Chain



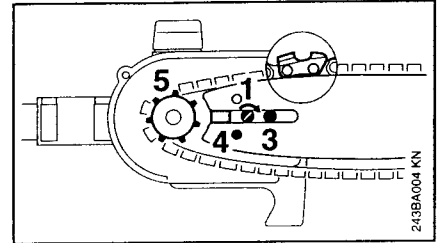
- Unscrew nut and take off cover.



- Turn tensioning screw (1) counterclockwise until the
- tensioning nut (2) butts against the left end of the housing slot.



- Wear work gloves to protect hands
- Fit the chain - start at the bar nose.



- Fit guide bar over the stud (3).
- Engage peg of tensioner slide in locating hole (4) - place the chain over sprocket (5) at the same time.
- Now turn tensioning screw (1) clockwise until there is very little chain sag on the underside of the bar - and the drive link tangs are located in the bar groove.
- Refit the sprocket cover and screw on the nut only fingertight.
- Now refer to chapter "Tensioning the Saw Chain".

MAINTENANCE, REPAIR AND STORING

Warning!

Never operate a pole pruner that is damaged, improperly adjusted or not completely or securely assembled. Follow the maintenance and repair instructions in the appropriate section of your Owner's Manual, especially those in the chapters "Mounting the Bar and Chain" and "Maintaining and Sharpening Saw Chain".

Warning!

Use only STIHL replacement parts for maintenance and repair. Use of parts manufactured by others may cause serious or fatal injury.

Warning!

Always shut off the engine and ensure that the chain is stopped before undertaking any adjustments, maintenance or repair work, changing the saw chain or cleaning the pole pruner. Do not attempt any maintenance or repair work not described in your Owner's Manual. Have such work performed at your STIHL service shop only.

Warning!

Never test the ignition system with ignition wire terminal removed from spark plug or with unseated spark plug, since uncontained sparking may cause a fire.

Warning!

To reduce the risk of fire and burn injury, use only spark plugs authorized by STIHL. Always press spark plug boot snugly onto spark plug boot of the proper size. (Note: If terminal has detachable SAE adapter nut, it must be attached.) A loose connection between spark plug boot and ignition wire connector in the boot may create arcing that could ignite combustible fumes and cause a fire. Keep spark plug clean, and make sure ignition lead is in good condition.

Warning!

Do not operate your pole pruner if the muffler is damaged, missing or modified. An improperly maintained muffler will increase the risk of fire and hearing loss. Never touch a hot muffler or burn will result. If your muffler was equipped with a spark-arresting screen to reduce the risk of fire (e. g. in the USA, Canada and Australia), never operate your pole pruner if the screen is missing or damaged. Remember that the risk of forest fires is greater in hot or dry weather.

Keep the chain, bar and sprocket clean; replace worn sprockets or chains. Keep the chain sharp. You can spot a dull chain when easy-to-cut wood becomes hard to cut or burn marks appear on the wood.

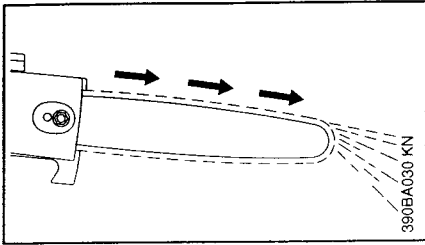
Keep the chain at proper tension. Tighten all nuts, bolts and screws except the carburetor adjustment screws before each use.

Additionally, the daily maintenance schedule for your pole pruner set forth in your STIHL Owner's Manual should be strictly followed.

Store pole pruner in a dry place and away from children. Before storing for longer than a few days, always empty the fuel tank.

Store fuel and chain oil in approved and properly labeled safety-type canisters only. Take care when handling gasoline. Avoid direct contact with the skin and avoid inhaling fuel vapor.

Checking Chain Lubrication



The saw chain must always throw off a small amount of oil.

- Always check chain lubrication and oil level in tank before starting work.

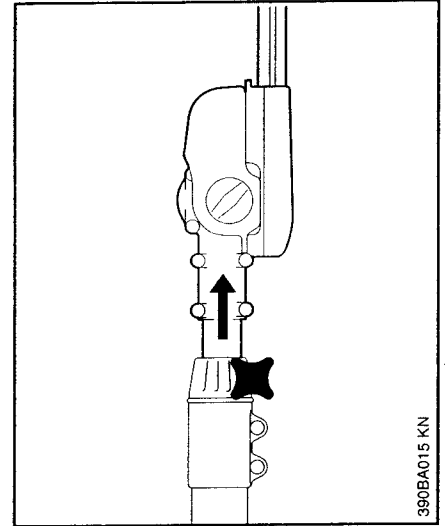
⚠ Never operate your pruner without chain lubrication. If the chain is run dry, the whole cutting attachment will be irretrievably damaged within a very short time.

Inadequate lubrication can be caused by a dirty oil strainer. Have the oil strainer between the tank and pump cleaned or replaced by your STIHL dealer.

Note:

Every new chain has to be broken in for about 2 to 3 minutes. After breaking in chain, check chain tension and adjust if necessary - see section "Checking chain tension".

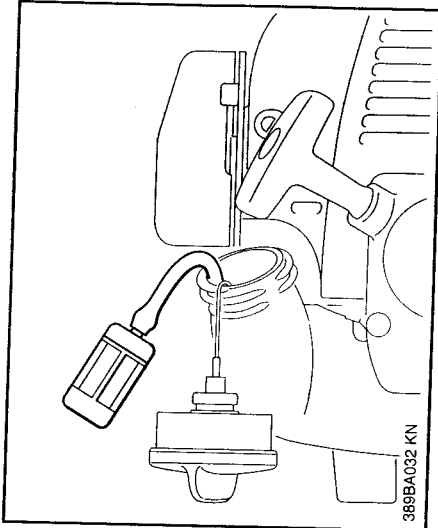
Adjusting Telescopic Shaft (HT 75)



Always shut down the engine and put on the chain guard.

- Slacken off the screw.
- Adjust shaft to required length.
- Tighten the screw firmly.

Chain Oil



Change the fuel pick up body every year.

Before storing your machine for a long period, drain and clean the fuel tank and run engine until carburetor is dry.

Check chain oil level in tank at regular short intervals and top up as necessary.

For automatic and reliable lubrication of the chain and guide bar:

Use only a quality, environmentally compatible chain and bar lubricant. STIHL chain lubricant with non-fling additive or the rapidly biodegradable STIHL Bioplus is recommended.

Important: Biological chain oil must be resistant to aging (e.g. STIHL Bioplus) since it will otherwise quickly turn to resin. This results in hard deposits that are difficult to remove, especially in the area of the chain drive, clutch and chain. It may even cause the oil pump to seize.

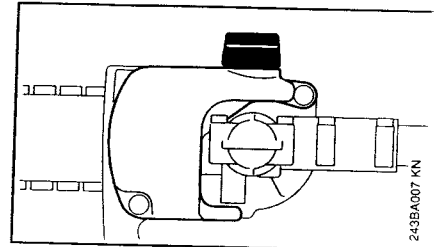
The service life of the chain and guide bar depends on the quality of the lubricant. It is therefore essential to use only a specially formulated chain lubricant.

If special chain lubricant is not available, you may - in an emergency - use an HD single grade or multigrade engine oil with a viscosity that suits the prevailing outside temperature.

Warning!

Medical studies have shown that renewed contact with waste oil can cause skin cancer. Avoid direct contact with waste oil. If waste oil does get on your skin, wash with soap and water. **Do not use waste oil for any purpose, and dispose of it only at authorized disposal locations.**

Filling Chain Oil Tank

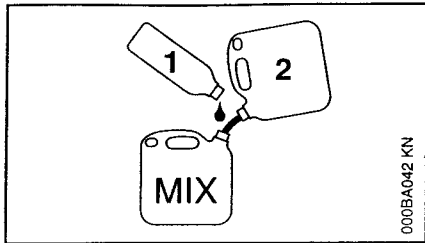


A full chain oil tank is only sufficient for half the unit's running time with a full fuel tank. You should therefore check the oil level regularly during cutting work. Never allow the oil tank to run dry.

- Thoroughly clean the filler cap and area around it so that no dirt can fall into the tank.
- Take off cap and fill up with chain oil.
- Refit the filler cap.

If the oil level in the tank does not change, this may be due to a problem in the oil supply:

Check chain lubrication, clean oilways, contact your STIHL dealer if necessary.



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We recommend STIHL 50:1 two-stroke engine oil since it is specially formulated for use in STIHL engines. The mix ratio with STIHL oil is 50:1 (50 parts gasoline to 1 part oil), or 25:1 (25 parts gasoline to 1 part oil) with other branded two-stroke air-cooled engine oils.

Do not use BIA or TCW (two-stroke water cooled) mix oils!

Take care when handling gasoline. Avoid direct contact with the skin and avoid inhaling fuel vapour.

The canister should be kept tightly closed in order to avoid any moisture getting into the mixture.

The fuel tank and the canister in which fuel mix is stored should be cleaned from time to time.

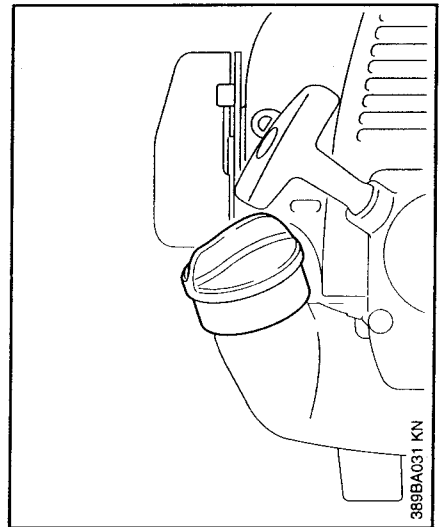
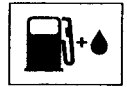
Fuel mix ages:

Only mix sufficient fuel for a few days work, not to exceed 3 months of storage. Store in approved safety fuel-canisters only. When mixing, pour oil into the canister first, and then add gasoline.

Gasoline	STIHL engine oil 50:1	Other branded TC oils 25:1
Liters	Liters (cc)	Liters (cc)
1	0.02 (20)	0.04 (40)
5	0.10 (100)	0.2 (200)
10	0.20 (200)	0.4 (400)
15	0.30 (300)	0.6 (600)
20	0.40 (400)	0.8 (800)
25	0.50 (500)	1.0 (1000)

Gasoline	STIHL engine oil 50:1	Other branded TC oils 25:1
US gal.	US fl.oz	US fl.oz
1	2.6	5.1
2 1/2	6.4	12.8
5	12.8	25.6

Fueling



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Before fueling, clean the filler cap and the area around it to ensure that no dirt falls into the tank.

Always thoroughly shake the mixture in the canister before fueling your machine.

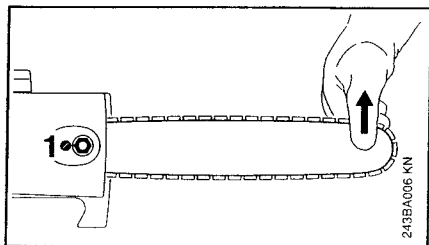
Warning!

In order to reduce the risk of burns or other personal injury from escaping gas vapor and fumes, remove the fuel filler cap carefully so as to allow any pressure build-up in the tank to release slowly.

Warning!

After fueling, tighten fuel cap as **securely as possible** by hand.

Tensioning the Saw Chain



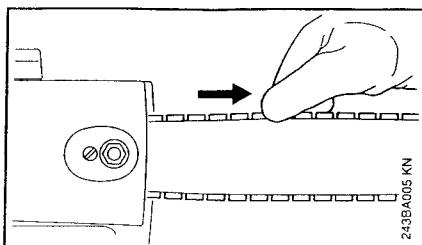
Retensioning during cutting work:

- Shut off the engine and then slacken the nut.
- Hold the bar nose up.
- Use screwdriver to turn the tensioning screw (1) clockwise until chain fits snugly against the underside of the bar. Tighten down the nut firmly.

A new chain has to be retensioned more often than one that has been in use for some time - check chain tension frequently - see section "During Operation".

- Now refer to chapter "Checking Chain Tension".

Checking Chain Tension



- Shut down the engine.
- Wear work gloves to protect hands.

Chain must fit snugly against the underside of the bar and it must still be possible to pull the chain along the bar by hand.

- If necessary, retension the chain.

A new chain has to be retensioned more often than one that has been in use for some time.

Check chain tension frequently - see section "During Operation".

Fuel

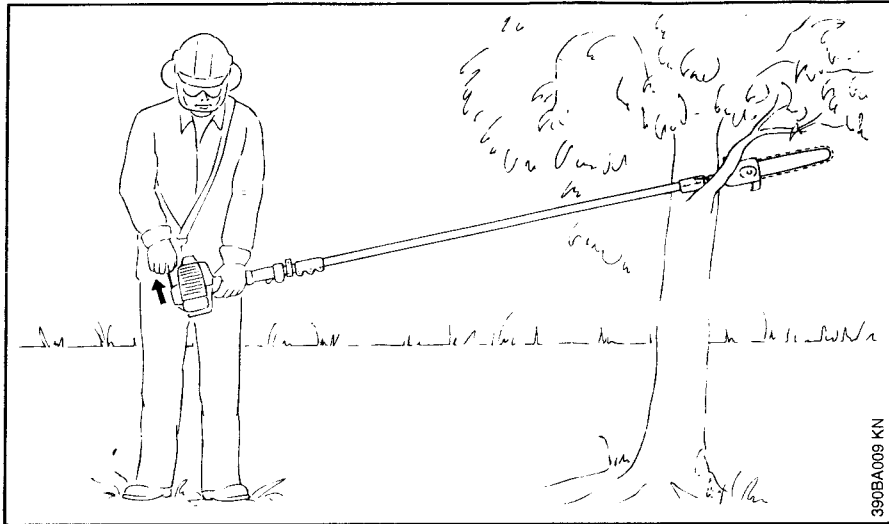
Your two-stroke engine requires a mixture of brand-name gasoline and quality two-stroke engine oil of the classification TC.

Use regular branded unleaded gasoline with a minimum octane rating of 90 ROZ (U.S.A./Canada: pump octane min. 89). If the octane rating of the regular grade gasoline in your area is lower use premium unleaded fuel.

Fuel with a lower octane rating may result in preignition (causing "pinging") which is accompanied by an increase in engine temperature. This, in turn, increases the risk of piston seizure and damage to the engine.

The chemical composition of the fuel is also important. Some fuel additives not only detrimentally affect elastomers (carburetor diaphragms, oil seals, fuel lines etc.), but magnesium castings as well. This could cause running problems or even damage the engine. For this reason it is essential that you use only name branded fuels!


Use only STIHL two-stroke engine oil or equivalent branded two-stroke air-cooled engine oils with the classification TC for mixing.



- Alternative method:
- Remove the chain guard. Position the shaft on a branch so that it is held by the hook.
 - Hold the unit firmly with your left hand around the fan housing - your thumb under the fan housing.

- Pull the starter grip slowly with your right hand until you feel it engage - and then give it a brisk strong pull. Do not pull out starter rope more than 70cm (27") - it might break. Do not let the starter grip snap back - guide it slowly into the housing so that the starter rope can rewind properly.

When engine begins to fire:

- Move choke lever to  and continue cranking



As soon as engine runs:

- Blip the throttle trigger - the slide control moves to the run position **I**, and the engine returns to idling speed.

Make sure carburetor is correctly adjusted - chain must not run when engine is idling.

Your power pruner is ready for operation.

To shut down engine:

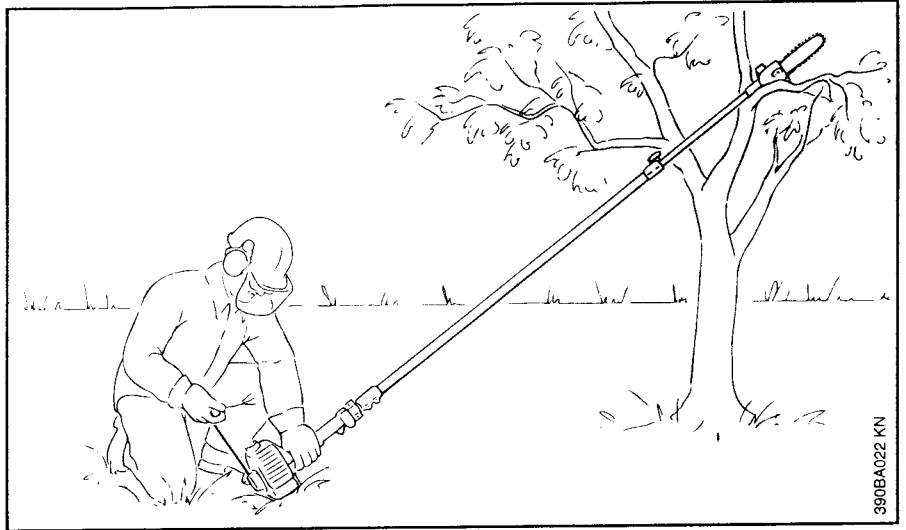
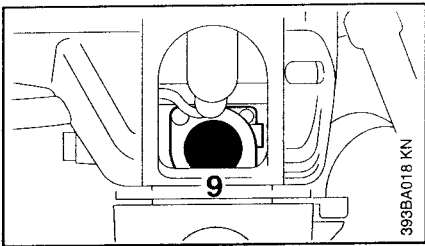
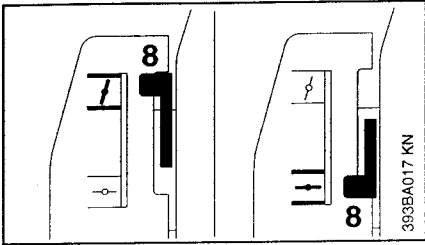
- Move the slide control in direction of  to 

At very low outside temperatures: allow engine to warm up

As soon as engine runs:

- Blip the throttle trigger - the slide control moves to the run position **I**, and the engine returns to idling speed.
- Open throttle slightly - warm up engine for short period.





If engine is cold:
Set the choke lever (8) to **I**

If engine is warm:
Set the choke lever (8) to **III**

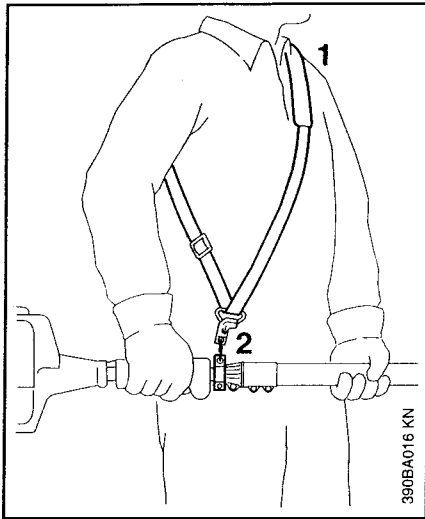
Also use this setting if engine has been running but is still cold.

- Press the fuel pump bulb (9) at least five times.

- Place the unit on the ground:
It must rest securely on the engine support and the hook.
- Remove the chain guard.
Check that chain is not touching any object or the ground.
If necessary, rest the hook on a raised support (e.g. a branch, mound or something similar).

- Make sure you have a firm footing:
Press the unit firmly against the ground with your left hand on the fan housing.
Your thumb should be under the fan housing - ~~do not~~ do not stand or kneel on the drive shaft.

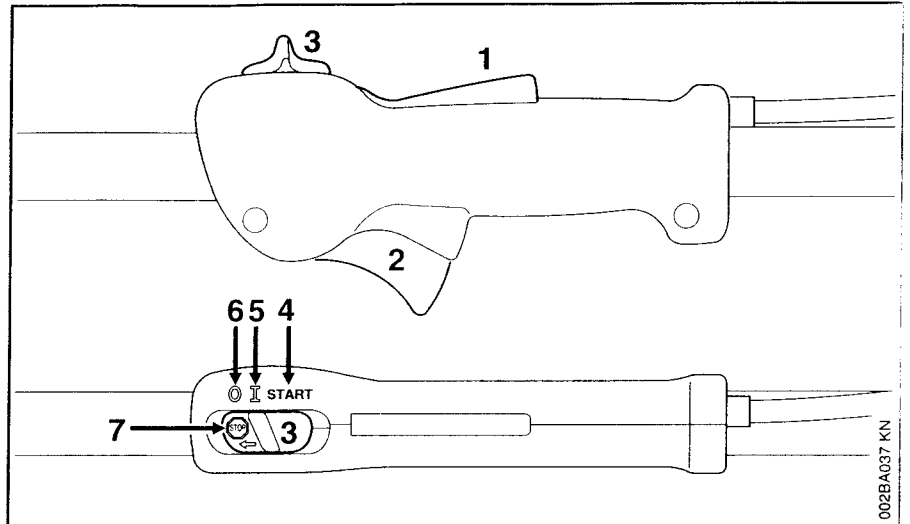
Fitting the Harness



Shoulder strap

- Put on the shoulder strap (1).
- Adjust length of strap so that the spring hook (2), with the unit attached, is at about the same height as your right hip.

Starting



Controls

Control handle on drive tube

Throttle trigger interlock (1), throttle trigger (2) and slide control (3) with the positions: **START** (4)

The normal run position **I** (5), idle and **0** - Stop (6) - to stop engine, move slide control in direction of \leftarrow (7).

Starting

- Hold down the trigger interlock and squeeze the throttle trigger.
- Move the slide control to **START** position and hold it there.
- Now release the throttle trigger, slide control and trigger interlock in that order. This is the starting-throttle position.