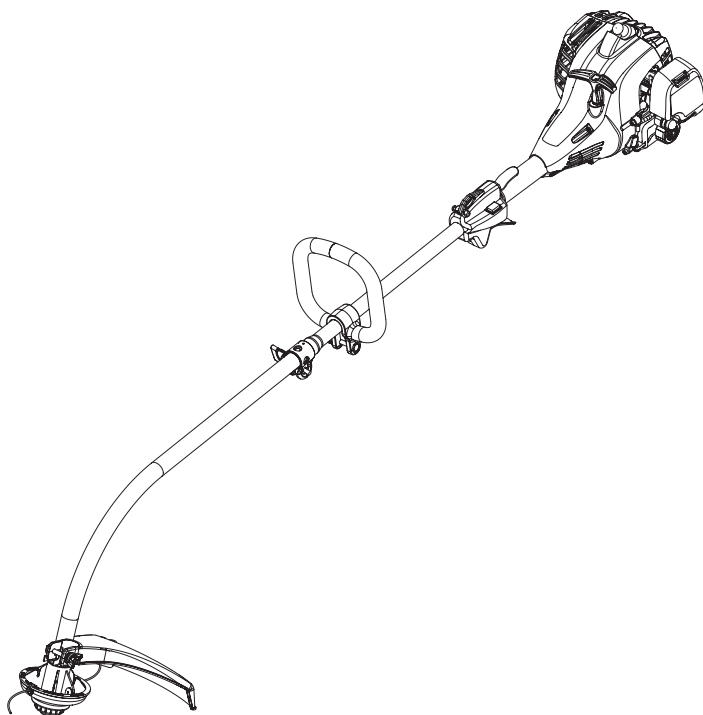


Homelite®

HLT25CDSNC

TWO-STROKE PETROL LINE TRIMMER

ORIGINAL INSTRUCTIONS



Important!

It is essential you read the instructions in this manual before assembling, operating, and maintaining the product.
Subject to technical modifications.

GENERAL SAFETY WARNINGS















WARNING












Read and understand all instructions. Failure to follow all instructions may result in serious personal injury as well as damage to the product.

- **Physical Condition of the Operator.** Do not operate the product when tired, ill or under the influence of alcohol, drugs or medication.
- **Clothing Requirements.** Always wear long, heavy pants, boots and gloves. Do not wear loose clothing, jewellery, short pants, sandals or go barefoot. Secure hair so that it is above shoulder level to avoid entanglement in moving parts.
- **Protective Accessories Requirements.** Wear eye and hearing protection when operating the product. Before use, inspect the condition of the trimmer. Replace damaged parts. Check for fuel leaks. Make sure all fasteners are in place and secure. Replace cutting attachment parts that are cracked, chipped or damaged in any way. Make sure the cutting attachment is properly installed and securely fastened. Be sure the cutting attachment shield is properly attached and in the position recommended by the manufacturer. Use only flexible, non-metallic line recommended by the manufacturer. For example, never use wire or wire rope, which can break off and become a dangerous projectile.
- **Proper Stance. Keep firm footing and balance.** Do not overreach. Keep the cutting attachment below waist level. Keep all parts of your body away from the rotating cutting attachment and hot surfaces.
- **Exhaust Gases.** Never start or run the product inside a closed room or building. Breathing exhaust fumes can cause illness or death.
- **Fueling.** Mix and pour fuel outdoors where there are no sparks and flames. Slowly remove the fuel cap only after stopping the engine. Do not smoke while fueling or mixing fuel. Wipe spilled fuel from the product. Move at least 30 ft. (9 m) away from the fueling source and site before starting the engine.
- **Work Area.** Clear the work area to be cut before each use. Remove all objects, such as rocks, broken glass, nails, wire, or string, that can be thrown or become entangled in the cutting attachment. Clear the area from children, bystanders and pets. At a minimum, keep all children, bystanders, and pets outside a 50 ft. (15 m) radius. Because there still may be a risk of injury to bystanders from thrown objects, bystanders should be encouraged to wear eye protection. If you are approached while operating the product, stop the engine and the cutting attachment.
- **Dangerous Environments.** To avoid falling, do not use the product in damp or wet locations.
- **Controlling the Product.** During carburetor adjustments, the cutting attachment may spin. Therefore, you should wear protective equipment and observe all safety instructions when adjusting the carburetor. For products equipped with a clutch, be sure the cutting attachment stops turning when the engine idles. When the product is turned off, make sure the cutting attachment has stopped before setting down the product.
- **Use the Right Product.** Use the product for the intended purpose only.
- **Save these instructions.** Refer to them frequently and use them to instruct others who may use the product. If you loan someone the product, loan them these instructions also.




SYMBOLS

Important: Some of the following symbols may be used on the product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

SYMBOL	NAME	EXPLANATION
	Safety alert	Indicates danger, warning or caution. It means attention. Your safety is involved.
	Read your operator's manual	Your manual contains special messages to bring attention to potential safety concerns as well as operating and servicing information. Please read all the information carefully to ensure satisfaction and safe use.
	Wear eye, hearing and head protection	Wear eye, hearing and head protection when operating the product.
		Beware of thrown or flying objects. Keep all bystanders (especially children and pets) at least 15 m away from the work area.
	Boots	Wear non-slip safety footwear when using the product.
	Gloves	Wear non-slip, heavy-duty gloves.
	No smoking	Do not smoke when mixing the fuel or filling the fuel tank.
	Petrol	Use regular unleaded petrol intended for motor vehicle use with an octane rating of 91 ([R+M]/2) or higher. E10 is not recommended.
	Oil	Use synthetic 2-stroke oil for 2-stroke engines.
	Mix petrol and oil	Mix the fuel mix thoroughly and also each time before refueling.
	No blade	Do not install any type of blade on the product.
	RPM Decal	Rotational direction and maximum speed of the shaft for the cutting attachment.
		Regulatory Compliance Mark (RCM). The product meets applicable regulatory requirements.
		Set the choke lever to "Run" position (no choke).

		Set the choke lever to "Full" position (choke on).
		Set the choke lever to "Half" position.
		Place the engine switch to the "I" (On) position.
		PRIME - Press the primer bulb 10 times slowly.
		Pull the starter rope to start.
		Squeeze the throttle trigger to start / run.
		To stop the product, place the engine switch to the "O" (Off) position.
	Blade hazard	Warning! Risk of getting cut. Operate carefully.
		Guaranteed sound pressure level and sound power level.
		Wait for 10 seconds.
		Do not use toothed blade.

The following signal words and meanings are intended to explain the levels of risk associated with the product.

SYMBOL	SIGNAL	MEANING
	DANGER:	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING:	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION:	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	CAUTION:	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

SPECIFICATIONS

Weight without fuel and trimmer head	4.50 kg
Weight without fuel with trimmer head	4.72 kg
Fuel tank volume	250 ml
Cutting swath	432 mm
Diameter of cutting line	2.4 mm
Engine displacement	26 cc
Maximum engine performance (in accordance with ISO 8893)	0.65 kW
Maximum rotational frequency of the spindle	12000 min ⁻¹
Engine speed (rotational frequency) at idle	2800-3800 min ⁻¹
Fuel consumption (in accordance with ISO 8893) at max. engine performance	0.37 kg/h
Specific fuel consumption (in accordance with ISO 8893) at max. engine performance	0.57 kg/kw.h
Vibration level - Idling	
Front handle	3.3 m/s ²
Rear handle	3.4 m/s ²
Vibration level - Racing	
Front handle	9.2 m/s ²
Rear handle	8.3 m/s ²
Measured sound pressure level (in accordance with EN ISO22868)	
Idle	82.7 dB(A) K _{pA} =3 dB(A)
Racing	103.1 dB(A) K _{pA} =3 dB(A)
Measured sound power level (in accordance with EN ISO22868)	
Idle	90.0 dB(A) K _{WA} =3 dB(A)
Racing	107.9 dB(A) K _{WA} =3 dB(A)

DESCRIPTION

Figure 1

1. Front handle

2. Upper shaft
3. Guide recess
4. Button
5. Knob
6. Lower shaft
7. PRO-CUT I - Fixed line head
8. Grass shield
9. Cutting line
15. Lock out lever
16. On/Off switch
17. Throttle trigger
18. Primer bulb
19. Starter grip

Figure 2

1. Front handle
2. Upper shaft
10. Wing nut
11. Bolt

Figure 3

8. Grass shield
12. Bolt
13. Flat washer
14. Wing nut

Figure 4a – 4b

20. Full choke position (choke on)
21. Half choke position
22. Run position (no choke)

Figure 7

23. Latch
24. Air filter element
25. Air box cover

Figure 9

26. Spark plug boot
27. Spark plug

ASSEMBLY

UNPACKING

The product requires assembly.

- Carefully remove the product and any accessories from the box. Make sure that all items listed in the packing list are included.
- Inspect the product carefully to make sure no breakage or damage occurred during shipping.

- Do not discard the packing material until you have carefully inspected and satisfactorily operated the product.

PACKING LIST

1. Trimmer (1 unit)
2. Lower shaft assembly (1 pc)
3. Front handle assembly (1 pc)
4. Safety guard assembly (1 pc)
5. PRO-CUT I head and cutting head assembly (1 pc)
6. Combination wrench (1 pc)
7. 2-Stroke Lubricant (1 bottle)
8. Operation manual (1 pc)

WARNING

If any parts are damaged or missing, do not operate the product until the parts are replaced. Failure to heed this warning could result in serious personal injury.

WARNING

Do not attempt to modify the product or create accessories not recommended for use with the product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

WARNING

To prevent accidental starting that could cause serious personal injury, always disconnect the engine spark plug wire from the spark plug when assembling parts.

WARNING

To prevent accidental starting that could cause serious personal injury, always disconnect the engine spark plug wire from the spark plug when assembling parts.

WARNING

Never attach or adjust any attachment while power head is running. Failure to stop the engine may cause serious personal injury.

WARNING

Be certain the knob is fully tightened before operating the product. Check it periodically for tightness during use to avoid serious injury.

ATTACHING THE POWER HEAD TO THE TRIMMER ATTACHMENT

See figure 1.

Follow these steps to connect the lower shaft to the upper

shaft (item 2).

- Loosen the knob (item 5) by turning it counter clockwise.
- Align the button (item 4) on the lower shaft (item 6) with the guide recess (item 3) on the upper shaft.
- Slide the lower shaft into the upper shaft until the Lower shaft clicks into place.
- Tighten the knob securely by turning it clockwise.

WARNING

Improper assembly could result in serious personal injury.

REMOVING THE LOWER SHAFT FROM THE UPPER SHAFT.

Follow these steps to remove the lower shaft from the upper shaft.

- Loosen the knob by turning it counterclockwise.
- Push the button while pulling out the Lower shaft.

ATTACHING THE FRONT HANDLE

See figure 2.

- Loosen and remove the bolt (item 11) and wing nut (item 10) from the upper handle (item 1).
- Install the front handle onto the upper shaft (item 2) at the position between foam and warning label.
- Replace the bolt and wing nut. Tighten the wing nut securely.

SAFETY GUARD

See figure 3.

- Remove wing nut (item 14), flat washer (item 13) and bolt (item 12) from the owner's kit.
- Place safety guard (item 8) over shaft and bracket.
- Install bolt through the slots in the tabs on safety guard and bracket on driveshaft housing.
- Install flat washer and wing nut.
- Tighten securely.

ATTACHING THE PRO-CUT I HEAD

- Remove the paper tube
- Install PRO-CUT I head assembly on drive shaft. Secure with spool retainer.

OPERATION

FUEL AND REFUELING

Handling the fuel safely

Always handle fuel with care, it is highly flammable.

- Always refuel outdoors where there are no sparks and flames. Do not inhale fuel vapors.
- Do not let petrol or oil come in contact with your skin.
- Keep petrol and oil away from the eyes. If petrol or oil comes in contact with the eyes, wash them

immediately with clean water. If irritation is still present, see a doctor immediately.

- Clean up spilled petrol immediately.

Mixing the fuel

- The product is powered by a 2-stroke engine and requires pre-mixing petrol and 2-stroke oil. Store pre-mix unleaded petrol and 2-stroke engine oil in a clean container approved for petrol.
- The engine is certified to operate on unleaded petrol intended for automotive use with an octane rating of 91 $([R + M] / 2)$ or higher.
- Do not use any type of pre-mixed petrol / oil from fuel service stations, this includes the pre-mixed petrol / oil intended for use in mopeds, motorcycles, etc.
- Use synthetic 2-stroke oil only. Do not use automotive oil or 2-stroke outboard oil.
- Mix 2% synthetic 2-stroke oil into the petrol. This is a 50:1 ratio.
- Mix the fuel thoroughly and also each time before fuelling.
- Mix in small quantities. Do not mix quantities larger than usable in a 30 day period. Synthetic 2-stroke oil containing a fuel stabilizer is recommended.

Filling the tank

- Clean surface around fuel cap to prevent contamination.
- Loosen fuel cap slowly to release pressure and to keep fuel from escaping around the cap.
- Carefully pour fuel mixture into the tank. Avoid spillage.
- Prior to replacing the fuel cap, clean and inspect the gasket.
- Immediately replace fuel cap and hand tighten. Wipe up any fuel spillage. Move 9 m away from refueling site before starting engine.

NOTE: It is normal for smoke to be emitted from a new engine during and after first use.

⚠ WARNING

Always shut off engine before fueling. Never add fuel to a machine with a running or hot engine. Move at least 9 m from refueling site before starting engine. Do not smoke!

50:1 Petrol to Oil Mixing Chart

1 Litre	+	20 ml	=	50:1 (2%)
2 Litres	+	40 ml	=	50:1 (2%)
3 Litres	+	60 ml	=	50:1 (2%)
4 Litres	+	80 ml	=	50:1 (2%)
5 Litres	+	100 ml	=	50:1 (2%)



⚠ WARNING

The product may throw objects during operation, causing injury to the operator or to bystanders. Always wear suitable eye protection, heavy, long pants and boots while operating the product.

STARTING THE PRODUCT


See figures 4a - 4b.

Starting the product differs depending on whether the engine is cold (not yet started today) or warm (has been running in the last hour). Always refer to the Starting Instructions label on the air filter when starting the engine. Refer below for full instructions.


To start a cold engine:

Follow these steps to start a cold engine.



NOTE: Lay the product on a flat, bare surface.

1. Ensure the engine switch is in the "I" (ON) position.
2. Press the primer bulb approximately 10 times.
3. Set the choke lever to Full choke (choke on) position .
4. Hold down the throttle lock out button and squeeze and hold in the throttle trigger. Holding in the trigger is "wide open throttle" (WOT). With wide open throttle, pull the starter grip with a quick, firm and consistent upward motion (No more than 4 pulls).

NOTE: The engine may start after these 4 pulls. Proceed following steps if it starts. The engine may be flooded if you continue to pull the starter grip.

5. Set the choke lever to Half choke position .
6. Hold down the throttle lock out button and squeeze and hold in the throttle trigger (WOT). With wide open throttle, pull the starter grip with a quick, firm and consistent upward motion until the engine starts (No more than 6 pulls).

NOTE: If engine does not start (after 6 pulls with the choke lever in the Half position), return to step 3 and repeat the steps.

7. Run the engine with Half choke  for 10 seconds.
8. Set the choke lever to the Run position .


NOTE: With choke lever in the Run position, allow engine to idle for up to 30 seconds prior to operation. This will allow the engine to warm up. A warm engine will perform better than a cold engine.

To start a warm engine:


Follow these steps to start a warm engine.

NOTE: Lay the product on a flat, bare surface.

1. Ensure the engine switch is in the "I" (ON) position.

2. Press the primer bulb approximately 10 times.
3. Ensure the choke lever is set to Run position .
4. Hold down the throttle lock out button and squeeze and hold in the throttle trigger. Holding in the trigger is "wide open throttle" (WOT). With wide open throttle, pull the starter grip with a quick, firm and consistent upward motion until the engine starts (No more than 6 pulls).

NOTE: If engine does not start (after 6 pulls with the choke lever in the Run position), return to step 3 under "TO START A COLD ENGINE" instructions, and repeat the steps.

5. With choke lever in the Run position , run the engine with wide open throttle for 10 seconds prior to operation.

STOPPING THE PRODUCT

See figure 4c.

- Release the throttle trigger.
- Hold down the engine switch to the "O" (OFF) position.

OPERATING THE TRIMMER

See figure 5.

Follow these steps to operate the curved shaft trimmer.

- Start the trimmer.
- Hold the trimmer at waist level with your right hand on the trigger handle and your left hand on the front handle.
- Place the product on the right side of your body with the engine behind and away from your body.
- Trim grass and weeds with the line parallel to the ground.

WARNING

Injuries may be caused, or aggravated, by prolonged use of a tool. When using any tool prolonged periods, ensure you take regular breaks.

ALWAYS OPERATE TRIMMER AT FULL THROTTLE.

Cut tall grass from the top down. This will prevent grass from wrapping around the shaft ho

using and PRO-CUT I head, which may cause damage from overheating. If grass becomes wrapped around the PRO-CUT I head, stop the engine, disconnect the spark plug wire, and remove the grass. Prolonged cutting at partial throttle will result in oil dripping from the silencer.

WARNING

When servicing, use only original manufacturer's replacement parts. Use of any other parts may create a hazard or cause product damage.

WARNING

Always wear safety goggles or safety glasses with side shields during product operation. If operation is dusty, also wear a dust mask.

WARNING

Before inspecting, cleaning, or servicing the machine, shut off engine, wait for all moving parts to stop, and disconnect spark plug lead and move it away from spark plug. Failure to follow these instructions can result in serious personal injury or property damage.

WARNING

Neglected or poorly conducted maintenance may create additional hazards. Do not attempt to repair or maintain this product if you are not qualified to do so. If in doubt, return to a service centre for professional assistance.

GENERAL MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, lubricant, grease.

WARNING

Do not at any time let brake fluids, petrol, petroleum-based products, penetrating lubricants, etc., come in contact with plastic parts. Chemicals can damage, weaken, or destroy plastic, which may result in serious personal injury.

You can often make adjustments and repairs described in this manual. For other repairs, have the trimmer serviced by a service dealer.

LINE REPLACEMENT

See figure 6.

1. Take one 500 mm length of 2.4 mm diameter monofilament pre-cut line.
2. Place the middle of the line under the hook/notch inside the spool.
3. Feed the ends of the line through the eyelets on the side of the PRO-CUT I fixed line head.
4. Pull the line outwards so it is tight and even on both sides of the spool.

CLEANING THE AIR FILTER

See figure 7.

A dirty air filter will cause starting difficulty, loss of performance, and shorten the life span of the engine. Check the air filter monthly. For best performance, replace the air filter at least once a year.

- Remove the air filter cover (item 25) by pushing down on the latch (item 23) with your thumb while gently pulling on the cover.
- Remove the air filter (item 24).
- Clean the foam filter element with warm soapy water. Rinse and let dry.

NOTE: If the foam filter element is damaged, it should be replaced.
- Apply a light coat of engine oil to the foam filter element, then squeeze it out.
- Reinstall the air filter.

NOTE: Make sure the filter is seated properly inside the cover. Installing the filter incorrectly will allow dirt to enter the engine, causing rapid engine wear.
- Replace the air filter cover by inserting the slot at the bottom of the air box cover into the latch at the bottom of the air box base. Push the air box cover up until it latches securely in place.

WARNING

Make sure the trimmer head stops rotating when you release the trigger. Contact with a rotating trimmer head could cause personal injury.

CHECKING THE FUEL CAP

WARNING

A leaking fuel cap is a fire hazard and must be replaced immediately.

The fuel cap contains a non-serviceable filter and check valve. A clogged fuel filter causes poor engine performance. If performance improves when the fuel cap is loosened, the check valve may be faulty or the filter may be clogged. Replace the fuel cap if necessary.

SPARK ARRESTOR

See figure 8.

Homelite line trimmer (HLT25CDSNC) is fitted with a spark arrestor, please note it is suggested that the spark arrestor should only be cleaned by a recognized service agent.

REPLACING THE SPARK PLUG

See figure 9.

This engine uses a Champion RCJ6Y or NGK BPMR7A spark plug. Use an exact replacement and replace annually.

Follow these steps to replace the spark plug.

- Remove the spark plug boot (item 26).
- Loosen the spark plug (item 27) by turning it counterclockwise with a 16 mm socket.
- Remove the spark plug.

- Hand thread the new spark plug, turning it clockwise.
- Tighten with a socket. Do not overtighten.

CAUTION

Be careful not to cross-thread the spark plug. Cross-threading will seriously damage the engine.

STORING THE PRODUCT

Storing the product differs depending on the amount of time it will be in storage.

Follow these steps for short term product storage.

- Clean all foreign material from the product.
- Store the product in a well-ventilated place that is inaccessible to children.

If you do not intend to use the product for more than one month, follow the storage procedures below.

- Drain all fuel from the tank into a container approved for petrol.
- Run the engine until it stops.
- Clean all foreign material from the product.
- Store the product in a well-ventilated place that is inaccessible to children.

NOTE: Keep the product away from corrosive agents such as garden chemicals.

Important: Abide by all local and government regulations for the safe storage and handling of petrol.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Engine will not start.	<ol style="list-style-type: none"> 1. Switch set to the O (OFF) position. 2. No spark. 3. No fuel. 4. Flooded engine. 5. Starter cord is hard to pull. 	<ol style="list-style-type: none"> 1. Set switch to the I (ON) position. 2. Remove the spark plug. Reattach the spark plug cap and lay the spark plug on the metal cylinder. Pull the starter cord and watch for a spark at the spark plug tip. If there is no spark, repeat the test with a new spark plug. 3. Push primer bulb until the bulb is full of fuel. If the bulb does not fill, the primary fuel delivery system is blocked. If the primer bulb fills, the engine may be flooded. (See next item.) 4. Turn On/Off switch to "On" position. Turn choke lever to "Off" position by pushing the choke lever to the "Run" position. Squeeze and hold in the throttle trigger (wide open throttle). Pull the starter rope at least 20 times or until the engine fires and runs. 5. Contact an authorised service dealer.
Engine does not reach full speed and emits excessive smoke.	<ol style="list-style-type: none"> 1. Check oil fuel mixture. 2. Air filter is dirty. 3. Spark arrestor screen is dirty. 	<ol style="list-style-type: none"> 1. Use fresh fuel and the correct 2-stroke oil mix. 2. Clean the air filter according to the instructions in the Maintenance section. 3. Contact an authorised service dealer.
Grass wraps around the trimmer head assembly and the attachment shaft.	<ol style="list-style-type: none"> 1. Cutting tall grass at ground level. 2. Operating the product at part throttle. 	<ol style="list-style-type: none"> 1. Cut tall grass from the top down. 2. Operate the product at full throttle.
Oil drips from muffler.	<ol style="list-style-type: none"> 1. Operating the product at part throttle. 2. Fuel mixture is incorrect. 3. Air filter is dirty. 	<ol style="list-style-type: none"> 1. Operate the product at full throttle. 2. Use fresh fuel and the correct 2-stroke oil mix. 3. Clean the air filter according to the instructions in the Maintenance section.



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