




Instruction Manual of ZLST 13150

Part One

- 1.1 Please read the instruction manual carefully and keep this manual in order to consult it or contact dealer in the future. 
- 1.2 Please read carefully the product components list which is related to the snow thrower machine and its components. 
- 1.3 Be thoroughly familiar with the controls and the proper use of the equipment. Know how to stop the unit and disengage the control quickly.
- 1.4 Never allow children to operate the equipment. Never allow adults to operate the equipment without proper instruction. Local regulations may impose restrictions as regards the age of the driver. 
- 1.5 Never use the snow thrower under the influence of alcohol or medication and if you are tired or ill.
- 1.6 Never use the machine if others, particularly children or pets are in the vicinity.
- 1.7 This product only has the snow throw function that is to remove the snow on the road surface to the road side. If you unilaterally change the usage or the structures of this machine, the producer is free from the obligation of replacing parts for you automatically. Your operations must be responsible for the safety and property of the third party.
- 1.8 Must abide by the relevant regulations of your country when operate this machine.
- 1.9 Do not operate the equipment without wearing adequate winter garments, antiskid shoes, gloves and eye protector.

Part Two: Assembly

- 2.1 Please check the full components against the packing list. If there are some components missing, please contact the dealer for a complement.
- 2.2 Remove six M6 bolts and three clamp flakes from the bottom of the discharge chute (see fig.1).
- 2.3 Discharge chute assembly (see fig.2): Place the discharge chute on the flange. Mount the three clamp flakes with the six M6 bolts (refer to step 2.2) on the bottom of the discharge chute, tighten properly with nuts (see fig.3).
- 2.4 Rocker stand bar assembly: Mount the rocker stand bar on the framework (see fig.4), tighten properly with two sets of bolts and nuts (see fig 5).
- 2.5 Remove one spring pin from the rocker B end (see fig.6).
- 2.6 Rocker B assembly: Insert and fix the Rocker B front into the rubber ring of the Rocker stand bar (see fig 7). Insert the Rocker B end (universal joint A) into the steady sheath B (see fig 8), tighten properly with the spring pin remove by step 2.5 (see fig 9).
- 2.7 Rocker A assembly (see fig 10): insert Rocker A into Rocker B, and tighten properly with security pin (see fig 11).
- 2.8 Hitch the joint square bar A to the framework connector plugs B (see fig 12), and lock the join with a set of M12 bolt, washer and nut (see fig.13).
- 2.9 Square bar subassembly assembly: insert Square bar A into the joint square bar B (see fig 14), lock it with a set of M12 bolt, washer and nut (see fig 15).

2.10 After complete the above snow thrower assembly, connect the snow thrower with the hanger plate in the back-bottom part of the driving vehicle. Use a set of M16 bolt, washers and nuts to secure properly (see fig.16).

2.11 Adjust the length of the snow thrower chain to be proper (see fig.17), Connect the pothook of the chain with the hanger plate in the fore-bottom part of drive vehicle (see fig.18). Tighten the adjusting bolt on the other end of the chain, and tension the chains.(see fig.19). Check the length of the chain on each side to make sure both of them have the same length, and the center of the snow thrower should align with the center of the drive vehicle.

2.12 Connect the power tie-in with the power (12v) of the drive vehicle.

Part Three: preparation

3.1 Before using the snow thrower, please thoroughly inspect the area, and remove all doormats, sleds, boards, wires, and other foreign objects.

3.2 Do not operate the snow thrower unless properly dressed. Wearing adequate winter garments and wears footwear which improves your grip on a slippery surface.

3.3 Handle fuel with care: it is highly flammable.

a) Use the approved fuel.

b) Never add fuel to a running or hot engine.

c) Only fill or top up with fuel outdoors. Never fill fuel indoors. And never smoke when filling or topping up.

d) Screw the filler cap on tightly and wipe up and spilt petrol.

3.4 Adjust the collector housing height to clear gravel or crushed rock surface.

3.5 Never attempt to make any adjustments while the engine is running (except where specifically recommended by manufacturer).

3.6 The operation of any powered machine can result in foreign objects being thrown into the eyes. Always wear safety glasses or eye shields during operation or while performing an adjustment or repair.

3.7 Do not let body or clothes close to the ventilating pipe of the machine, heating or revolving components.

3.8 Inspect the fuel container before operating the equipment; the fuel container must be full.

3.9 Check up the air press of tires.

3.10 Make sure the rockers can turn flexibly

3.11 Make sure the caution light can work normally.

Part Four: Operation



4.1 Do not put hands or feet near or under rotating parts.

4.2 Exercise extreme caution when operating on or crossing gravel drives, ways, or roads. Stay alert for hidden hazards or traffic.

4.3 After striking a foreign object, stop the engine. Thoroughly inspect the snowthrower for any damage, and repair the damage before restarting and operating the snowthrower.

4.4 I If the unit should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a sign of something wrong.

- 4.5 Stop the engine whenever you leave the operating position, before unclogging the collector/impeller housing or discharge guide, and when making any repairs, adjustments, or inspections.
- 4.6 Make sure the rotating parts have stopped and all the controls are disengaged before you clean repair and inspect snow thrower.
- 4.7 Do not run the engine indoors, except when starting it and for moving the snowthrower in or out of the building. Open the outside doors; exhaust fumes are dangerous.
- 4.8 Do not use the machine on the rough or sloppy road.
- 4.9 Never operate the snowthrower without proper safety guards
- 4.10 Never operate the snowthrower near glass enclosures, automobiles, window wells, etc, without proper adjustment of the snow discharge angle. Keep children and pets away.
- 4.11 Do not overload the machine capacity by attempting to clear snow at too fast.
- 4.12 Never operate the machine at high transport speeds on slippery surfaces.
- 4.13 Taking care when reversing. Look behind before and during reversing to check for any obstacles.
- 4.14 Disengage the auger when the snow thrower is to be transported or is not in use. Do not drive too fast on slippery surfaces when transporting.
- 4.15. Never direct discharge at bystanders or allow anyone in front of the unit.
- 4.16 Please clean the deposits in helical runner and snow outlet if the snow sweeping machine is operating but not throwing snow.
- 4.17 Use only attachments and accessories approved by the manufacturer of snowthrower
- 4.18 If use the machine at night, please check if the illumination system is in good condition first. Always be sure of your footing. and keep a firm hold on the handles. Walk; never run.
- 4.19 Do not carry passengers.
- 4.20 Set the gear properly, and connect the clutch, thus the auger will move forward. Loose the clutch first to change the gear.
- 4.21. Do not use the equipment on slopes higher than 20°, as it could overturn.
- 4.22 Take all possible precautions when leaving the machine unattended. Disengage all the controls, put it into neutral gear, set the parking brake, stop the engine and remove the ignition key.
- 4.23 After the work of snow thrower, clean the accumulated snow in the machine. If the accumulated snow on the bottom forms into ice, it would influence the next use.
- 4.24 The operation of the electric start engine: 1.Open the ventilation door. 2. Rotate the key clockwise (see Fig.20). 3. Close the ventilation door after the start of engine.
- 4.25 Switch off the electric start engine: rotate the key counter-clock wisely.
- 4.26 When turn the rocker anticlockwise, the discharge chute also can drive anticlockwise (see fig.21).

Part Five: Maintenance and Storage

- 5.1 Check the machine carefully in a regular time and assure the use safety.
- 5.2 Never store the machine with fuel in the fuel-tank inside a building where ignition sources are present such as hot water and space heaters, clothes dryers, etc. Allow the engine to cool before storing in any enclosure.
- 5.4 Always refer to owners guide instructions for important details if the snowthrower is to be

stored in the garage for an extended period.

5.4 Maintain or replace safety and instructions labels, as necessary.

5.5 Run the machine a few minutes after throwing snow to prevent freezing solid of the auger.

Common troubles and problems

Malfunctions	Possible causes	Corrective actions
The engine cannot be opened	-----	Consult engine manual
The unstable running	-----	Consult engine manual
The machine cannot plow out snow	Bolt damage	Replace a new bolt
	Disjunction control system or discharge duct damage	Shut the engine off and exclude the malfunction
	Incorrect disjunction control system adjustment	Adjust terminal pad
	Chute's jam	Dredge the chute by crabstick
The machine cannot drive	Incorrect disjunction control system adjustment	Adjust terminal pad
	Belt loose	Tighten the belt or reinstall the belt
	Disjunction control system icing	Remove the accumulation
	The friction rubber of the tyre was punctured	Replace the friction rubber of the tyre
Abnormal flutter	parts slack or damaged	Shut off the engine immediately and tighten the belt and nut
Gear shifting difficulty	Incorrect disjunction control system adjustment	Adjust terminal pad
	Disjunction control system icing	Remove the accumulation

KEY TECHNICAL PARAMETERS

Max throwing distance: 12-18m

Max clearing thickness: 500mm

Max clearing width: 1065mm

Output power (HP/KW): 13/9.55

Start Mode: Manual/Electrical start

Oil type: Gasoline

Net weight: 151KG

Gross weight: 205KG

Inner packing size: 1330X1130X745 (mm)

Packing size: 1350X1160X880 (mm)

Please read the relevant instruction manual in terms of the technical parameters of the petrol engine

