



OPERATION MANUAL

G-FORCE

**GARDEN
PRODUCTS
30 INCH
RIDE ON
MOWER**

GLR-30H



WARNING!

Read this manual carefully before using your ride on mower and keep it in a safe place for future reference.



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1. INTENDED USE

The 30 inch ride on mower is for cutting grass on lawns. It is for outdoor use only. It is designed for domestic use and is not designed for commercial, trade or industrial use.

2. DESCRIPTION OF PRODUCT PARTS

Clutch/Brake Pedal:	The pedal has two functions - clutch and brake
Parking Brake:	Use to engage the brake when you leave your mower.
Lift Lever:	Use to adjust the cutting height.
Throttle Control Lever:	Use to increase or decrease the speed of the engine.
Ignition Switch:	Use to start and stop the engine.
Blade Rotation control:	Use to start and stop the rotation of the blade.
Shift Lever:	Use to change the speed of the mower.

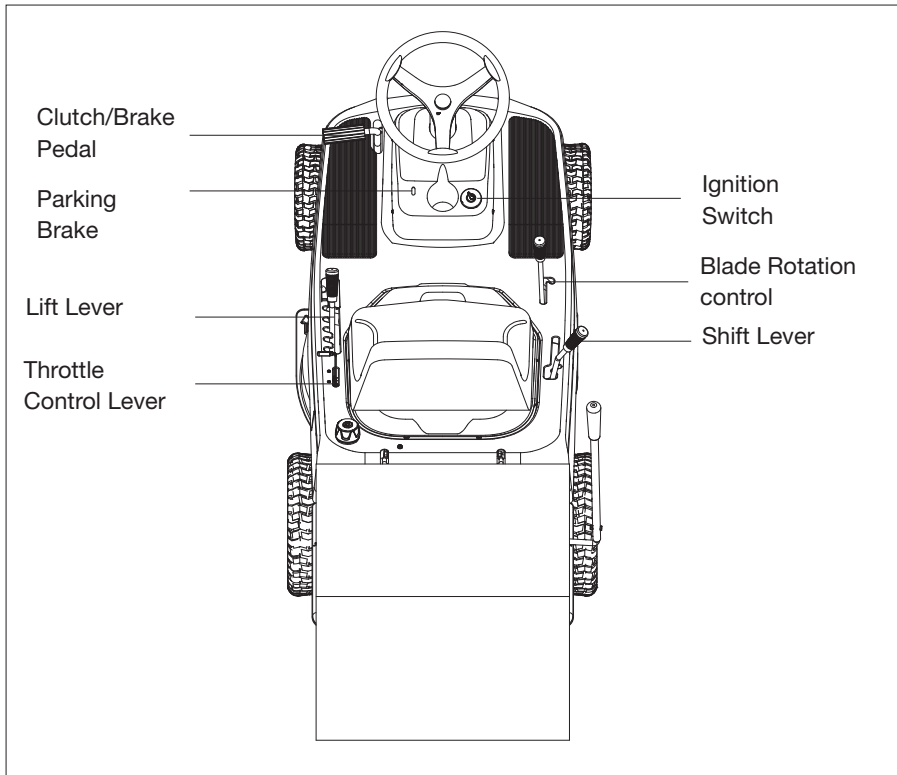


Fig. A

3. PACKAGE CONTENT LIST

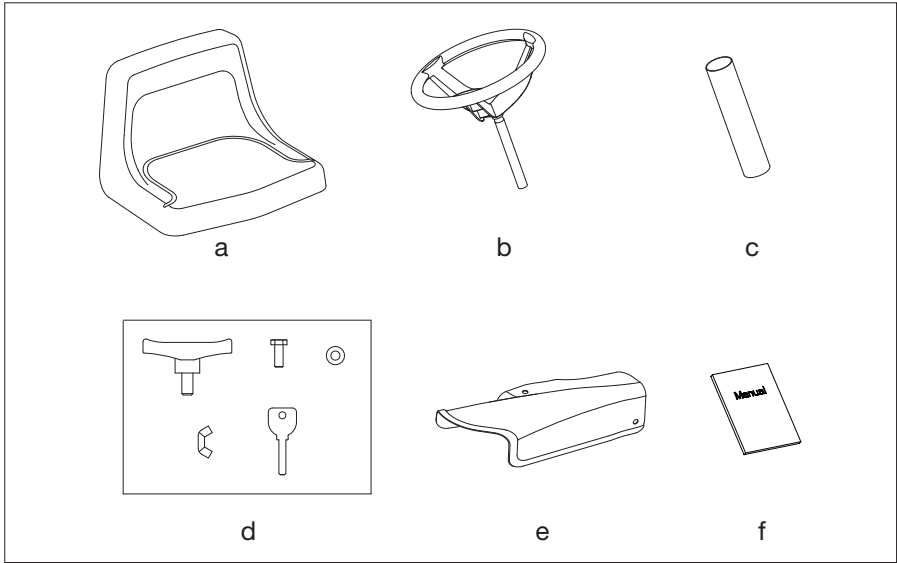


Fig. B

- a. Seat
- b. Steering wheel and Steering post
- c. Steering tube
- d. Bag of small parts
- e. Side discharge attachment
- f. Instruction manual

- Remove all packing materials
- Ensure all parts are present
- Check the mower and all accessories for transportation damages







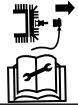

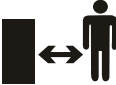


WARNING: Packaging materials are not toys! Children must not play with plastic bags! Danger of suffocation!












If any parts are missing or damaged, please contact your dealer.

4. EXPLANATION OF SYMBOLS

This section depicts and describes safety symbols that may appear on this product. Read, fully understand and follow all instructions on the machine before attempting to assemble and operate it.

	<p>To reduce the risk of injury, users must read the instruction manual carefully.</p>
	<p>Keep feet and hands away from the rotating blade.</p>
	<p>Hot surface, do not touch.</p>
	<p>Shut off engine & remove key before performing maintenance or repair work.</p>
	<p>Shut off engine & remove spark plug wires before performing maintenance or repair work.</p>
	<p>Do not operate on steep slopes or inclines greater than 12°.</p>
	<p>Keep all children, bystanders, and animals at least 30 m away.</p>
	<p>Thrown objects can ricochet and result in personal injury or property damage. Never direct discharged material toward anyone.</p>
	<p>Never carry children or anyone, even when the blade is disengaged.</p>

WARNING SYMBOLS

	<p>Before and during backing, always look down and behind you, make sure that children, bystanders, and pets are clear of the area.</p>
	<p>Wear ear protection.</p>
	<p>Wear eye protection.</p>
	<p>Wear protective gloves.</p>
	<p>Do not expose to rain.</p>
	<p>Wait until the engine is completely stopped before touching the moving parts.</p>
	<p>Sound power level.</p>
	<p>WEEE symbol. Waste products should not be disposed of with household waste. Dispose of the products according to the regulations and requirements of your local council.</p>
	<p>Australian Regulatory Compliance Mark.</p>

5. GENERAL SAFETY WARNINGS

1. Know your control. Read the instruction manual carefully. Learn how to stop the engine quickly in any emergency. Operators shall have adequate training before operating the mower.
2. Do not allow children or people unfamiliar with these instructions to use the mower. Do not carry passengers.
3. Make sure the lawn is clear of sticks, stones, bones, wire and debris. They could be thrown by the blade.
4. Do not mow whilst people, especially children, or pets are in the mowing area.
5. Never mow across the face of the slope.
6. Exercise extreme caution when on slopes.
Reduce speed on slopes and in sharp turns to prevent overturning or loss of control.
Do not stop or start suddenly when going uphill or downhill.
7. Stay alert for holes in the terrain and other hidden hazards.
8. Watch out for traffic when crossing or operating the mower near roadways.
9. Stop the blades rotating before crossing surfaces other than grass.
10. When using any attachments, never direct discharge of material towards bystanders nor allow anyone near the mower while it is in operation.
11. Before leaving the operator's position:
 - a) disengage all clutches and secure cutting units;
 - b) change into neutral and set the parking brake; and
 - c) stop the engine and remove the key.
4. Stop the engine and disengage drive to attachments:
 - a) before refuelling;
 - b) before removing grass-catcher/catchers;
 - c) before making height adjustment unless adjustment can be made from the operator's position;
 - d) before clearing blockages;
 - e) before checking, cleaning or working on the mower;
 - f) after striking a foreign object (inspect the mower for damage and make repairs before restarting and operating the mower); and
 - g) if mower starts to vibrate abnormally (check immediately). Disengage drive to attachments when transporting or not in use.
8. A mower operator should be in good physical and mental health and not under the influence of any drug or alcohol which might impair vision, co-ordination or judgment.
9. Never mow while barefoot or wearing open sandals, or thongs. Wear long trousers and heavy shoes.

GENERAL SAFETY WARNINGS

10. It is advisable to wear suitable eye protection when operating a mower.
11. Mow only in good daylight.
12. Before using, always visually inspect to see that blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance.
13. Check all nuts, bolts and screws often; always be sure the mower is in safe operating condition.
14. Keep safety devices (guards and switches) in place and in working order.
15. Never use the mower unless the grass catcher, or guards provided by the manufacturer, are in position.
16. Ensure any spare parts used comply with the original manufacturer's recommendations and specifications.
17. Replace worn or faulty silencers.
18. Keep engine free of grass, leaves or excessive grease. These can be a fire hazard.
19. Refuel outdoors only, Do not smoke while fuelling engine. Never remove the cap of the fuel tank or add petrol while the engine is running or the engine is hot. Remove fuel cap slowly to relieve any tank pressure. If petrol is spilled, do not attempt to start the engine but move mower away from the area of the spill and avoid creating any source of ignition until petrol vapours have dissipated.
20. Check for fuel leaks while refuelling or using the mower. If a fuel leak is found, do not start or run the engine until the fuel leak is fixed and spilled fuel is wiped away.
21. Do not operate engine in a confined space where exhaust fumes (carbon monoxide) can collect.
22. Always mount the mower on the opposite side to the discharge chute.
23. Start the engine carefully with the cutting means disengaged.
24. Do not over-speed the engine or alter governor settings. Excessive speed is dangerous and shortens mower life.
25. Stop the engine whenever you leave the mower, even for a moment.
26. Store the mower in a well-ventilated room away from naked flames such as may be found in hot water heaters.
27. The mower's safety systems or features shall not be tampered with or disabled.
28. Operator shall not alter or tamper with any sealed adjustments for the engine speed control.
29. Do not move in reverse unless absolutely necessary. Always look down and behind before and while backing to make sure no children, bystanders, or pets enter the mowing area.
30. Do not use the mower when there is a risk for lightning.
31. Do not lend or sell the mower without the instruction manual.

6. ASSEMBLY

1. ASSEMBLING THE STEERING WHEEL

1. Make sure the front wheels point forward.
2. Slide the tube into the console. Make sure the end of the tube fits over the steering bushing.
3. Slide the steering wheel and steering post into the tube and console.
4. Push on the steering wheel. The steering post will lock onto the pinion gear.
5. Pull on the steering wheel. Make sure that the steering post is locked in place.

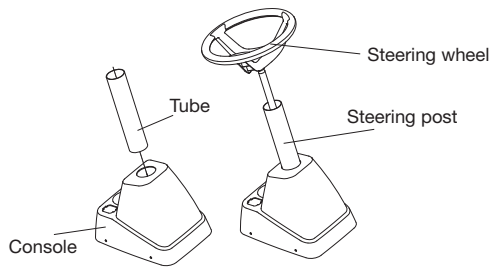


Fig. 1

2. INSTALLING THE SEAT

1. Carefully remove the protection plastic bag from the seat.
2. Raise the seat support and secure it in the UP position with the seat support rod.

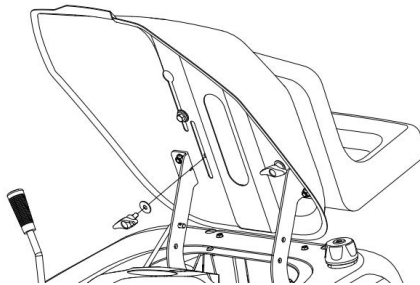


Fig. 2

3. Align the holes in the seat to the holes in the seat support. Fasten the seat to the seat support with the bolts and wing bolts provided.
4. Check the operating position of the seat. If the seat needs to be adjusted, loosen the wing bolts. Slide the seat forward or backward to the desired position, then tighten the wing bolts.

3. CONNECTING THE BATTERY CABLES

1. Remove the protective caps from the battery's terminals.
2. Fasten the red cable to the positive (+) terminal with a screw and nut.
3. Fasten the black cable to the negative (-) terminal with a screw and nut.

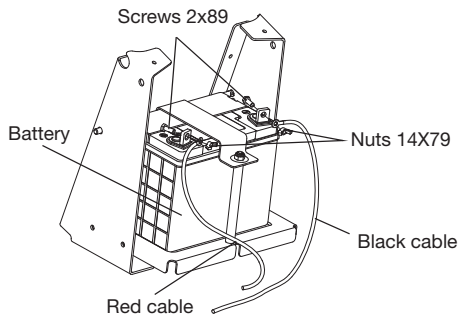


Fig. 3

4. INSTALLING THE SIDE DISCHARGE ATTACHMENT

1. Remove the grass catcher's chute and back plate from the mower.
2. Lift the mulcher cover.
3. Mount the side discharge attachment onto the mower's deck and secure with the wing nuts.

5. INSTALLING THE MULCHER COVER

1. Remove the fasteners that secure the mulcher cover.
2. Lift the mulcher cover. Mount the side discharge attachment onto the same bolts that secured the mulcher cover.
3. Secure the side discharge attachment with the fasteners.
4. To mulch, remove the side discharge attachment and mount the mulcher cover to the mower housing with the fasteners.

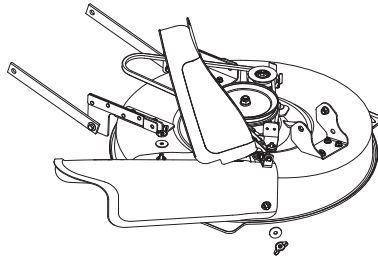


Fig. 4

6. PUSH MODE AND DRIVE MODE

1. Push mode: When engine is not start, the lever need to be at this position so you can push the mower to move.



2. Drive mode: When engine is started, the lever need to be at this position so you can drive.



7. PREPARTION

1. CHECKING ENGINE OIL LEVEL AND ADDING OIL



WARNING! Be sure to check the engine oil while the mower is on level ground with the engine turned off.



WARNING! To avoid engine damage, check oil level before each use and be sure the oil fill cap is tightened securely.



WARNING! Fill up the mower with 4-stroke engine oil before starting the engine (Brynorm 4 stroke engine is recommended).

1. Raise the seat support.
2. Remove the oil fill cap and wipe the dipstick clean.
3. Insert the oil fill cap into the oil fill neck.
4. Loosen and remove the oil fill cap from the oil fill neck. Check the oil level, if the oil level is below the lower limit on the dipstick, slowly add oil and make sure the oil level is between the lower and upper limits.
5. Replace the oil fill cap and fasten it securely.
6. Put down the seat support.

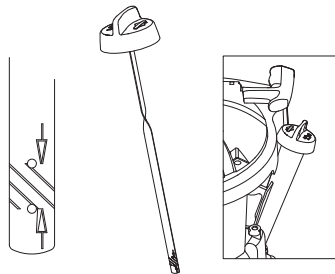


Fig. 5

2. FILLING FUEL



WARNING! Use fresh unlead fuel (petrol), 90 Octane or better. Do not use E10 or Ethanol blends.



WARNING! Fuel (petrol) is highly inflammable. Handle the fuel (petrol) with extreme precaution. Keep the fuel (petrol) out of reach of children.



WARNING! Do not smoke when handling the fuel (petrol).



WARNING! Do not smoke or allow flame/sparks in the area where the engine is refueled or where the fuel (petrol) is stored.



WARNING! Refuel the engine in a well-ventilated area. If the engine has been running, allow it to cool down before refueling.



Avoid prolonged contact with skin or inhalation of the fuel (petrol) vapour.

1. Raise the seat support.
2. Clean the area around the fuel cap and remove the fuel cap.
3. Add the petrol slowly into the fuel tank. Be careful to avoid spilling. Do not overfill the fuel tank.
4. Fill the fuel tank full to no more than 10 cm below the bottom of the fill neck to allow space for fuel expansion.
5. Replace the fuel cap and tightened it securely.
6. Wipe up spilled fuel before starting the engine. If the petrol is spilled, DO NOT start the engine. Move the mower away from the area of spillage and wait until the petrol vapours are gone.
7. Put down the seat support.

3. Check the tires

1. Check the air pressure of the tires.
2. The recommended tires pressure is 14 psi for the rear wheels and 24 psi for the front wheels.

8. OPERATION



WARNING! Check and ensure all controls are properly functioning before operating the mower.



WARNING! Stop the engine and park the mower before leaving the operator's position.



WARNING! The mower shall not be operated without the grass catcher in place.

1. ADJUSTING THE CUTTING HEIGHT

1. Stop the mower and disengage the blades.
2. To raise the cutting deck, grasp the cutting height adjustment lever, push the lever to the left to disengage it from the slot, move it toward the back of the slot to raise the deck, then push it right into the slot to secure it.
3. To lower the cutting deck, grasp the cutting height adjustment lever, push the lever to the left to disengage it from the slot, move it toward the front of the slot to lower the deck, then push it right into the slot to secure it.

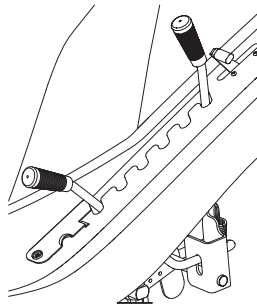


Fig. 6

2. STARTING AND STOPPING THE ENGINE



WARNING! There is a safety sensor under the seat support. If the operator does not sit on the mower and activates this safety sensor, the mower cannot be started.

2.1 Key start

1. Push the clutch/brake pedal completely forward, Keep your foot on the pedal.
2. Move the shift lever to the neutral (N) position.
3. Make sure the blade rotation control is in the disengage position.
4. Move the throttle control to the fast (rabbit) position.
5. Turn the ignition key to the START position. Release the key when the engine starts.
6. Move the throttle control to the slow (turtle) position.
7. Let the engine run for several minutes before mowing.
8. To stop the engine, disengage the blades, and turn the ignition key to the STOP position.
9. Remove the key from the ignition switch to prevent unintended starting.

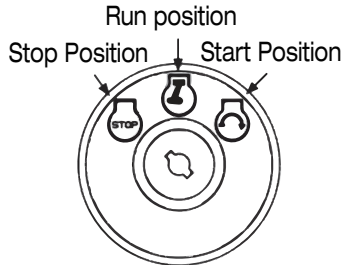


Fig. 7

3. CHANGING THE SPEED OF THE ENGINE - THROTTLE CONTROL LEVER

1. To increase the speed of the engine, move the throttle control lever forward.
2. To decrease the speed of the engine, move the throttle control lever backward.

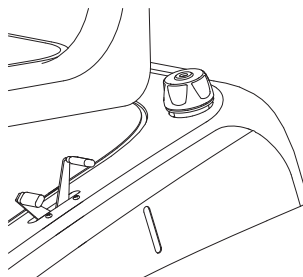


Fig. 8

4. CHANGING THE SPEED AND DIRECTION OF THE MOWER - SHIFT LEVER

1. The speed and direction of the mower can be controlled by the shift lever.
2. To go forward, move the shift lever to a forward speed setting.
3. To go backward, move the shift lever to reverse position.

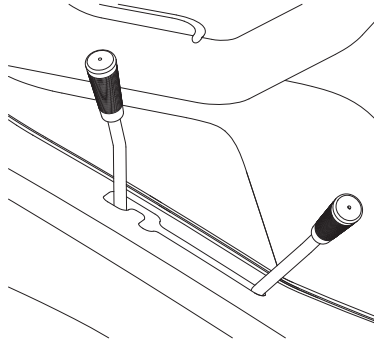


Fig. 9

5. PULLING AND RELEASING THE PARKING BRAKE

1. To pull the hand brake, depress the clutch brake pedal and pull the parking brake lever outward.
2. To release the hand brake, depress the clutch brake pedal and push the parking brake lever inward.

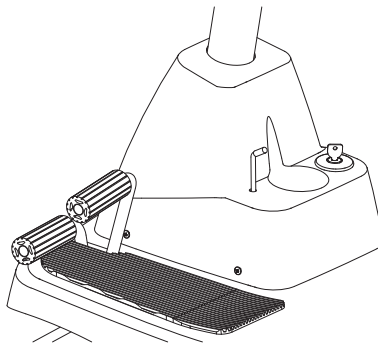


Fig. 10

6. ENGAGING THE BLADE

1. Move the blade rotation control lever forward to engage the blade.
2. Move the blade rotation control lever backward to disengage the blade.

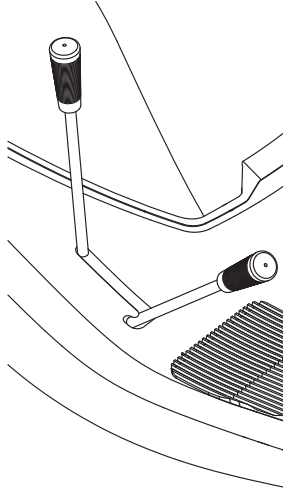


Fig. 11

9. CLEANING, MAINTENANCE AND STORAGE



WARNING! Stop the engine and remove the key from the ignition control, wait until the engine and the blade are completely stopped before performing any cleaning, maintenance and storage.

1. CLEANING

1.1. Remove any build-up of grass and leaves on the mower. Wipe the mower clean with a dry cloth.

1.2. Emptying the grass catcher.

1.3. Never use solvents such as petrol, alcohol, ammonia water etc. These solvents may damage the plastic parts.

1.4. Cleaning a flooded engine.

a) If the engine cannot start after several trials, the engine may be flooded with excess fuel.

b) To clear a flooded engine, remove the spark plug and wipe it dry with a cloth.

c) Wait for 5 minutes and then reinstall the spark plug.

Note: install the spark plug carefully by hand to avoid cross threading. After the spark plug is seated, tighten the spark plug with a 1/8 or 1/4 turn.

d) After the spark plug is cleaned, start the engine.

1.5. Cleaning the air filter

a. Unclip and remove the air filter cover.

b. Remove the air filter element.

c. Tap the air filter element on a hard surface several times to remove the dirt.

Note: Never use petrol or inflammable solvents to wash the air filter element. Clean the air filter element with compressed air or by tapping it.

d. If the air filter element is very dirty, replace with a new one.

e. Reinstall the air filter element and close the air filter cover.

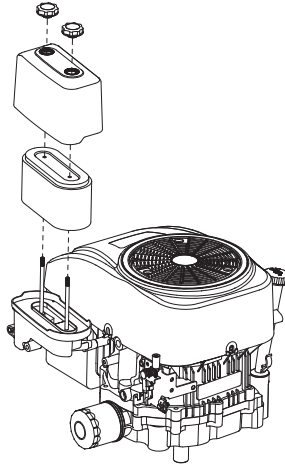


Fig. 12

2. MAINTENANCE

2.1 Maintenance schedule

The following maintenance schedule is recommended:

	12 hours of use	24 hours of use	36 hours of use
Engine oil	check	change	check
Air filter	clean	clean	clean
Spark plug	check	clean	check

Note: The engine oil should be changed after the first 8 hours of use.

2.2 Changing engine oil

- a. Unscrew the engine oil drain plug at the bottom of the engine, drain the engine oil into a container.
- b. After draining the engine oil, wipe away any spillages.
- c. Screw the engine oil drain plug back and make sure it is tighten.
- d. Refill the engine oil.
- e. Check the engine oil level, the engine oil level must be between MIN and MAX marks on the dipstick.
- f. Put the oil filler cap back and tighten.
- g. Start the engine and allow it to run for a few minutes.
- h. Stop the engine, wait for one minute and check the oil level again. Top up the engine oil if necessary.

2.3 Removing and installing the blade

- a. Raise the cutting height of the mower to the highest position.
- b. Wedge a block of wood between the blade and the mower deck to prevent the blade from turning.
- c. Loosen the blade nut by turning it anti-clockwise (as viewed from the bottom of the mower).
- d. Remove the nut that holds the blade and remove the blade.
- e. Clean and remove all the grass and debris.
- f. Mount the blade and blade adapter on the mandrel with the hi-lift edges facing upward. If the blade is installed upside down, it will not cut correctly.
- g. Fasten the blade with the original washers and nut.

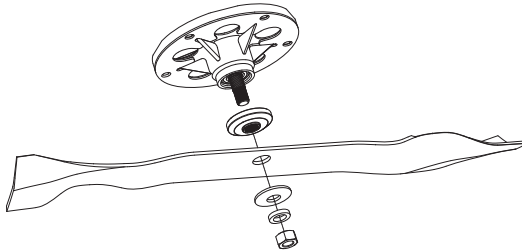


Fig. 13

2.4 Checking the tires

- a. The recommended tires pressure is 14 psi for the rear wheels and 24 psi for the front wheels.
- b. When the tires are worn, they should be replaced when the tread's depth is 4 mm or less.

2.5 Adjusting the spark plug gap

- a. Remove the spark plug from the mower.
- b. Clean the spark plug with a wire brush.
- c. Use a feeler gauge and set the gap of the spark plug to 0.7-0.8 mm.
- d. Reinstall the spark plug.

3. STORAGE

- 3.1. Clean the mower thoroughly before storage.
- 3.2. Store the mower in a clean and dry place out of the reach of children.
- 3.3 The mower should be secured during transport to prevent loss of fuel, damage or injury.

10. TROUBLESHOOTING

Problem	Cause	Solution
Engine fails to start	Blade is engaged	Disengage the blade
	Spark plug wire disconnected	Connect the spark plug wire
	Fuel tank is empty	Fill the fuel tank
	Faulty spark plug	Change the spark plug
	Engine flooded	Clean the engine
	Parking brake is not engaged	Engage the parking brake
Engine runs erratic	Spark plug wire is loose	Connect and tighten the spark plug wire
	Water and dirt in the fuel system	Drain the fuel tank and refill with clean, fresh petrol
	Dirty air filter	Clean or replace the air filter
Engine overheats	Engine oil level is low	Fill the engine oil
	Airflow is restricted	Clean the grass and debris around the engine.
Engine idles rough	Spark plug is faulty or gap is too wide	Replace the spark plug or adjust the gap
Excessive vibration	Cutting blade is loose or unbalanced	Tighten the blade's nut or balance the blade
	Damaged or bent cutting blade	Replace the blade
Uneven cut	Cutting is not levelled properly	Adjust the level of the cutting deck
	Dull blade	Sharpen or replace the blade
	Uneven tire pressure	Check the tire pressure

11. DISPOSAL



Dispose of your mower according to the regulations and requirements of your local council. If appliances are disposed of in landfills or dumps, hazardous substances may leak into the ground water and get into the food chain, damaging your health and well-being.



Do not dispose of rechargeable battery with your household refuse. Dispose of rechargeable battery according to the regulations and requirements of your local council.

12. TECHNICAL DATA

Dimension	
Assembled Length	1550 mm
Assembled Height	850 mm
Assembled Width Without Discharge Deflector	1150 mm
Net Weight	160 kg
Mower & Deck	
Pneumatic Tyre Sizes	Front 10" (Ø 260×95 mm) Rear 14" (Ø 360×160 mm)
Cutting Width	76 cm
Blade Cutting Diameter	76 cm
Number Of Blades	1
Number Of Deck Wheels	4
Cold Tyre Pressure	1-1.4 bar (14-20PSI)
Blade Speed	1950-2100 rpm
Deck Lift System	Hand operation
Minimum Cutting Height	30 mm
Maximum Cutting Height	95 mm
Number of Cutting Height Positions	6
Blade	
Part code for mulching	1254351000
Part code for grass bag collecting	1254974000
Battery	
Battery Type	Lead-acid
Battery Voltage (V)	12
Battery Amp Hours (Ah)	24
Charge Time (hours)	2
Charger and Mower Operating Temperatures	-5~45°C

TECHNICAL DATA

Performance	
Maximum Forward Speed	Driving 7 km/h
Maximum Reverse Speed	2-3.5 km/h
Noise	
Measured sound pressure level(LPA)	78.8 dB(A)
Measured sound power level(LwA)	100.4 dB(A)
Guaranteed sound power level	100 dB(A)

13. WARRANTY

This product is covered by a 2 year parts and labour warranty for engine and chassis (1 year for belt, battery and easy damaged parts) against manufacturing defects.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law.

You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This warranty will not apply:

- (i) where this product has been subjected to misuse, abuse, accident or want of care;
- (ii) where this product has been used for a purpose for which it was not designed or is not suited;
- (iii) where the service of this product has been undertaken by a non-authorized person or company or if non-approved parts have been used;
- (iv) where this product has been used for trade, industrial or commercial purposes.

Should service become necessary during the warranty period, the purchaser should contact Action Spares on 1300 418 640.

In order to obtain warranty service, the purchaser must present the store receipt showing the name of the retailer and the date of purchase.

The period of the warranty begins from the original date of purchase, notwithstanding any subsequent repair or parts replacement.

Purchaser shall be responsible for all transport charges to and from the Authorised Service Centre.

Damage in transit is not covered by this warranty. The purchaser should remove from the product any liquids (if applicable) before sending the product for service or repair.

The product should be packed securely to prevent damage.

WARRANTY EXCLUSIONS

Wear parts or service related parts required when performing normal and regular maintenance of this product are not covered by warranty unless it is found to be defective by an Authorised Service Centre.