







WILDCAT SAVANNAH

OWNER / OPERATORS MANUAL





For models

ZTS181040 Wildcat Savannah 13.5 kw (18hp) 1040mm(41") rear discharge catcher

ZTS181200 Wildcat Savannah 13.5 kw (18hp) 1200mm (48") side discharge

READ THIS MANUAL BEFORE OPERATING MACHINE

DEATH, PERSONAL INJURY AND / OR PROPERTY DAMAGE MAY OCCUR UNLESS INSTRUCTIONS IN THIS MANUAL ARE FOLLOWED





Congratulations on your purchase of a top quality NZ made product manufactured by 'Kiwi Mowers Limited'. Your mower has been specifically designed to give you long service with minimal maintainence costs. To ensure your mower gives you optimum performance we recommend you follow the maintainence procedure as outlined in this manual. Please read, understand and follow all safety instructions also prior to use.

To help us with our further research and development and to keep a record of your purchase please fill in carefully all details and post the enclosed warranty registration card to:

Kiwi Mowers Limited PO Box 185 Katikati 3166 NZ

	†Cutting line	
Warranty Registration Card	-	
Purchasers Name		
Address		
Phone Number	Purchased from	Date of Purchase
Model and Serial Number	paler Yes D No D	_
Pre delivery carried out by de	aler Yes 🗆 No 🗆	
Has the dealer instructed you No \square	in the correct operation, service and mainta	inence of your machine Yes
To assist us in our further pro	oduct development please complete the following	owing:
	ontractor Horticulture Hire Centre	
Govt.Department □	Other	
Expected Hours of use per we	sek	
Age of main user: Under 25	5 🗆 25-34 🗀 35-45 🗀 45-65 🗀 56-65	☐ Over 65☐
The main reason that influence	ced you to purchase your 'Kiwi Made'produc	ct
Recommendation from Dea	aler □ or Friend □	
Replacement of previous King	gcat product Which model	
Demonstration ☐ Appearan	ce □ Price □ NZ Made □	
Have you seen / heard this pr		
	Advertising □ TV □ Field Day □ Magaz	ine/Newspaper□ If so Which
	Ine and the dealers service	
Customer Signature:		

Many thanks for your time. Enjoy your new purchase.

OWNERS INFORMATION

Record the following information

Email Address

Machine Model No: ______ Serial No: **Engine** Model No: Spec No: Serial No: Date of purchase **ISSUED TO** Owners Name: Address: State: Town / City: Fax No: _____ Phone No: Email Address: **ISSUED BY Authorised Kingcat Dealer** Address: _____ State: _____ Town / City: _____ Fax No: ______ Phone No:

INTRODUCTION

This manual covers the following products

ZTS181040 Savannah 13.5kw 1040mm (41") Rear discharge catcher

ZTS181200 Savannah 15.0kw 1200mm (48")

READ THIS MANUAL carefully to learn how to operate safely and maintain your Wildcat Savannah mower effectively.

Failure to follow Safety, Operating or Maintenance instructions in this manual could result in Death, Personal Injury or Equipment Damage.

THIS MANUAL IS PART OF YOUR WILDCAT SAVANNAH MOWER and should be supplied with the mower when you take it to a Kingcat Dealer for service or if you lend or sell this mower. This should also apply to the Engine Owners Manual.

CONVENTIONS. Measurements in this manual are given in metric units unless otherwise stated.

Right-hand and Left-hand are determined by facing the direction of forward travel. Direction of rotation is determined by looking into the components in motion parallel to the axis of rotation.

WRITE PRODUCT IDENTIFICATION
NUMBERS in the Owners Information
Section of this manual. Accurately
recording these numbers will assist your
Kingcat Dealer when ordering spare parts
or help in tracing the Machine if it should be
stolen. Store this manual in a secure place
remote from the Mower.

ENSURE YOU UNDERSTAND THE WARRANTY POLICY with regard to the responsibilities of operation, maintenance and ownership of this Wildcat Mower.

THE INTENDED USE OF THIS MACHINE is for mowing of Residential lawns, Landscape Parks, Gardens, Grounds, Sporting fields.. Strict adherence to the conditions of Operation, Maintenance, Service and repair as specified by the manufacturer constitute essential elements for The Intended Use.

Use in any other way not specifically approved directly by the manufacturer is considered as contrary to the intended use and will increase the risk of personal injury or property damage and is therefore considered as misuse for which the manufacturer accepts no responsibility as these increased risks must be accepted solely by the user.

OPERATION, MAINTENANCE, SERVICE AND REPAIR of this machine should be performed only by persons familiar with its characteristics and acquainted with the relevant Statutory Regulations in force at the place and time.

When your mower requires service or repair please remember your Kingcat Dealer is an industry trained professional who is supported by the personnel of the Sales and Marketing, Engineering, Production, Procurement, Parts Distribution and Service Sections of the Manufacturer and is dedicated to your satisfaction.

THE INFORMATION INCLUDED IN THIS MANUAL was considered correct at the time of approval for printing. Kiwi Mowers Limited reserves the right to change specifications or designs without notice or obligation

ASSEMBLY AND PREDELIVERY INSTRUCTIONS

RECEIVING

When receiving a new Wildcat Savannah Mower, carefully inspect the shipping crate and machine for any damage taking particular notice of any possible concealed damage.

Sign the delivery note only when you are satisfied that the product is in good condition.

UNPACKING

Place the shipping crate on a firm flat level surface and proceed to dismantle crate from base.

Carefully remove all strapping and protective covering and dispose in appropriate facilities.

Remove the catcher bag pack and assemble frame as per separate assembly instructions. Do not assemble the fabric bag or handles to the frame at this stage.

Install the two catcher bag mounting arms to the rear panel with the bend at the top of the arm facing inward.

Tighten the securing bolts just enough to support the catcher assembly. Place the bag frame on to the mounting arms and adjust for correct fitting by gently tapping the arms up or down until the frame is fitting evenly within the rear panel. Make allowance for the thickness of the fabric bag particularly under the top lip. Tighten the four mounting bolts.

Remove control handles from packaging, smear grease over pivot point and assemble to control arms. Tighten M8 x 40 bolts to provide firm movement. Lower rubber boot

Unpack seat assembly and fit to tractor using four 5/16"nc nyloc nuts supplied. Plug in wiring harness.

Dispose of all remaining packing materials.

ASSEMBLY ADJUSTMENTS

Check tyres for correct inflation

Rear 10 - 14 psi Front psi

Place unit on a flat level surface.

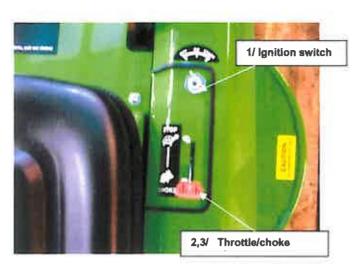
Sit on the seat and lift the cutting attachment slowly using the lift lever and observe how the attachment moves from the ground.

The cutting attachment should lift evenly.

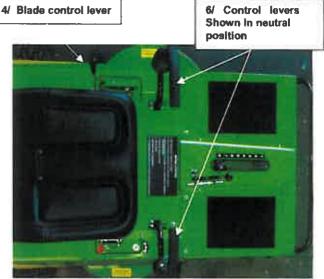
If adjustment is required to level the attachment, remove the left side cover and slacken the two M10 nyloc nuts that lock the lift arms in place. Move arms up or down to suit and re tighten nuts.

To adjust the attachment from front to rear, slacken the two 10mm nuts either side of the pivot toggle at the front of the threaded lift rod and adjust as required. Tighten the 10mm nuts.

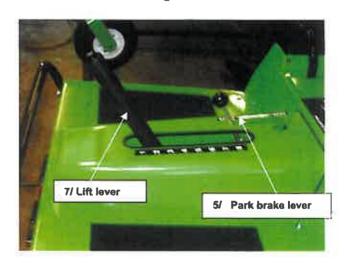
FUNCTION OF OPERATING CONTROLS



- 1/ Ignition switch: Off Run Start
 With key inserted, rotate it clockwise to
 start position, release key when engine
 starts, and switch will automatically return
 to the run position. Turn key to off position
 to stop the engine.
- 2/ Throttle control: For controlling engine speed, move the lever rearward to increase engine rpm and forward to decrease engine rpm.
- 3/ Choke control: For starting the engine when cold. Move the lever all the way rearward for start position. Move the lever forward to the run position immediately the engine starts.
- 4/ Blade control lever: Lever forward engages the blade drive. Lever rearward and locked into notch to stop blades.
- 5/ Handbrake: To park mower when unattended. To apply, move lever rearward and lock into notch. To release, move lever from notch and ease forward.



6/ Control levers: Used to control the direction and speed of the mower. Levers are used to steer, accelerate, decelerate and change direction.



7/ Lift lever: To raise and lower the cutting deck for mowing varying grass lengths and conditions. Use cutting height indicator as a reference for previous cutting heights

PREDELIVERY CHECKLIST

Check off each item as it is found satisfactory or proper adjustments are made:

Date	completed: By Signature:			
	Clean and polish tractor unit, blacken tyres			
	Check paint work and touch up where necessary			
	Check safety stop system			
	Check for fluid leaks, (Engine oil, fuel, battery acid)			
	Test drive tractor			
	Check controls: throttle/choke, blade engagement, park brake, drive system			
	Check safety start system (see section)			
	Add fuel (see maintenance section)			
	Fill battery to the correct electrolyte level and charge			
	Check V belt tensions and adjustments (see maintenance section)			
	Check engine oil level (see engine owners manual)			
	Inflate tyres (see maintenance section)			
	All decals are in place and readable			
	All safety guards and shields are fastened in place			
	Check catcher bag for correct fitting and closing			

DELIVERY CHECKLIST

Check off each item as you review the Owner's / Operators Manual with the customer explaining the following: Kiwi Mowers Limited warranty policy Safety Instructions and safe operation Use of controls Maintenance section Operating the tractor correctly Transporting the tractor safely on a trailer or truck The correct fuel, oil and lubricants Daily and periodic inspections Maintaining the tractor regularly and correctly **Record Owners information** Give the Customer the Operators Manual and Engine Owner's Manual and encourage them to read the manual's before operating the tractor

Date completed:	 By Signature:	

SAFFTY PRECAUTIONS

important

All operators must be aware of all safe operating and maintenance procedures. This is the Owners responsibility and it is recommended that full training including reading and understanding this manual be given to all operators.

It is also important to train operators to identify all potential hazards that exist on the property eg. steep slopes, sudden dips etc.

Preparation

Always wear suitable clothing eg. long trousers, strong footwear, suitable ear and eye protection. Long hair should be tied up and / or covered to prevent accidental entanglement with moving machinery parts or tree branches etc.

Thoroughly inspect the area where the machine is to be used and remove all objects that could be thrown by the blades.

Adding fuel - WARNING, PETROL IS HIGHLY INFLAMMABLE

- a) Store fuel in containers specifically designed for this purpose
- b) Refuel outdoors only
- c) Do not smoke while refuelling
- d) Add fuel before starting the engine
- e) Never remove the fuel cap or add petrol while the engine is running or when the engine is hot
- f) If petrol is spilled, do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until petrol vapours have dissipated
- g) Replace all fuel tank and container caps securely

Before using, always visually inspect the cutting deck assembly, blades, blade bolts / nuts are not worn or damaged. Replace worn or damaged parts.

Take care rotating one blade as this will cause the other blades to rotate.

Operation

Your Wildcat mower is equipped with a safety interlock electrical system that is designed to protect you and others from injury. **Never disable this system by disconnecting wiring from switches etc.** Always ensure the system is in good working order and repair immediately should a fault occur.

The safety interlock system has the following features.

- 1/ Engine will not crank unless the blade control lever is in the disengaged position.
- 2/ The engine will shut down when the operator moves from the seat if the blade control lever is in the engaged position. The operator may move from the seat while the engine is running if the blade control lever is in the disengaged position. This feature allows the operator to dismount safely to remove obstacles, open gates etc, without the engine shutting down.

Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect

Operate the machine only in daylight or in good artificial light

Never direct discharge of material towards bystanders nor allow anyone else near the machine while it is operating

Never leave a machine running while it is unattended. Always disengage deck blade control switch, place drive control levers in the neutral position, apply handbrake, turn engine off and remove key before leaving the seat.

Watch out for traffic and / or pedestrians when operating near roads and footpaths.

Stop the blades rotating before attempting to cross surfaces other than grass.

Never operate the machine with defective guards or without all safety devices in place and operating correctly.

Never attempt to clear grass blockages while the engine is running. Use a stick **NOT YOUR HANDS** to clear the obstructions

Take great care when mowing slopes. It is recommended that operators should not attempt to mow a slope until sufficient experience and confidence has been gained on flat ground.

When mowing slopes, always check that there are no hazards at the bottom of the slope such as rivers, banks, fences etc.

OPERATING INSTRUCTIONS

If you are a first time operator for this style of machine, read and understand section 1 before attempting to operate.

Section 1

GETTING STARTED

Choose a large flat area free from obstacles for your first operating attempt

If the machine has been parked in a confined area, push it out or have someone experienced to move it into the mowing area for you.

- 1/ Without engine running, place the two drive levers into the neutral position, open them as wide as possible and sit on the seat. Bring the control levers together.
- 2/ Adjust the seat position so that your feet rest comfortably against the footrest.

READY TO START

- 1/ Make sure the park brake lever is in the "Park" position
- 2/ Lift cutting deck to highest position
- 3/ Make sure that the blade control lever is in the disengage position (pulled back). Engine will not crank when lever is in the engaged position.
- 4/ Set throttle control to full rear position to engage choke.
- 5/ Turn ignition key to start and release immediately when the engine starts
- 6/ Push the throttle control lever forward to approximately the middle position soon after the engine starts and then back for fast speed when the engine has warmed enough for smooth running
- 7/ Place the park brake lever in the "Drive" position
- 8/ Without engaging the cutting blades, gradually move the control levers forward evenly to move the tractor forward slowly.
 - As you gain confidence, move the levers further forward to increase travel speed and then gradually move them back to the neutral position to slow down and stop.
 - Always use slow gradual movement as the machine will respond directly to the action of the control levers. (quick jerky type movement will cause the machine to operate in a quick jerky manner).
 - 9/ Check that all is clear behind you and move the control levers rearward evenly to move the tractor rearward. Slowly return the control levers to the neutral position to slow down and stop.

- 10/ To make a left turn while travelling forward, move the right control lever further forward and the left control lever rearward.
- 11/ To make a right turn while travelling forward, move the left control lever further forward and the right control lever rearward.
- 12/ Continue to practice varying travel speeds and turns until you are confident and familiar with the function of the control levers. It is better to keep both rear wheels moving during turns without skidding a wheel to minimise turf damage.
- 13/ Always be aware of tail swing on the catcher model particularly around trees, fences, buildings and any other stationary object.

Section 2

1

READY TO CUT GRASS

- 1/ With engine running, stop the tractor unit where the grass is not thick, long or wet and lift the cutter deck to the highest position.
- 2/ Move the throttle control lever rearward to approximately three quarters of the distance to the fast position.
- 3/ Gently pull the blade control lever back from disengaged position and ease the lever forward to engage the blade drive. Set the throttle control lever to the maximum speed position. Adjust the cutting deck height to the desired level
- 4/ Move the tractor forward and determine that the cutting height is suitable. Raise or lower the cutting deck as necessary. If long grass is required to be cut short, cut in high position first and then cut the area again in the lower position.
 When cutting larger areas of long grass with the catcher model, it will be necessary to remove the catcher bag assembly and discharge chute and then attach the grass deflector.
- 5/ To stop the cutter blades, pull the blade control lever back and engage into the holding notch. Allow 10 seconds for the blades to stop and apply park brake before attempting to dismount.
- 6/ If an emergency stop is not required, it is preferable to slow the engine to approximately half speed before stopping the blades.
- 7/ Do not attempt to clear a clogged cutter deck by engaging the cutter blades without first clearing the blockage.
 To clear a blockage, remove the catcher bag and using a stick, remove all grass clippings from the discharge chute and exit end of cutting deck.
- 8/ When using side discharge models, always cut grass with the left side of the cutting deck towards buildings, kerbs walls etc.

 Mowing with discharge opening close to vertical faces, can cause foreign objects to deflect toward the operator and cause injury.

IMPORTANT STEPS FOR EFFICIENT GRASS CATCHING.

- 1/ Always use maximum engine revs. High air flow is necessary for grass collection.
- 2/ Never attempt to catch long grass. It is better to fit the deflector chute and cut the grass first without the catcher and with the cutting deck in the highest position.
- 3/ Do not over full the bag. The flap on top of the bag opens when there is sufficient airflow. Glance over your shoulder periodically to check the flap is open while operating particularly when the bag is nearly full or when catching wet grass.

 Stop before the flap closes and empty the catcher.
- 4/ Run blades for 5 to 10 seconds with cutting deck in highest position after emptying catcher and prior to further cutting and catching to blow through any grass that maybe left in the chute.
- 5/ Do not attempt to start blades if the cutting deck or chute is clogged. The drive belt will be damaged if this occurs.
- 6/ Always rinse and clean thoroughly under the cutting deck and the fabric bag immediately after use. Any grass build up or residue in these areas will adversely effect the air flow and cause poor catching performance the next time the mower is used. For cleaning under the cutting deck, attach a garden hose to the hose connection on the cutting deck and turn on water flow. Run the blades at approximately half speed with the catcher installed for approximately one or two minutes. Experiment with different cutting deck heights to find optimum cleaning effect.

Moving the tractor without the engine running.

It is intended that the Wildcat tractor should always be moved by it's own motive power however, should it be required to move without power due to mechanical failure eg flat battery, no fuel etc, it will be necessary to disengage the hydrostatic transmission units before pushing or towing.

CAUTION:

DO NOT TOW AT SPEEDS GREATER THAN 5 KPH OR FOR LONG DISTANCES.

To disengage the transmissions, push the lever forward and down into the vertical slot. A separate lever is provided for each transmission (one each side) and both need to be activated.

To engage transmissions, lift the levers up and move to the rear of the slots. There should be no load on the levers when the transmissions are engaged.



MAINTENANCE and ADJUSTMENTS

The Wildcat has been designed and manufactured to very high specifications to provide a grass cutting machine that will give long trouble free service.

It is important however, that general maintenance is carried out on a regular basis to ensure that **Performance**, **Reliability and Safety** are maximised.

- 1/ Oil changing and filter replacement (engine) refer to separate engine owners manual Servicing engine air cleaner foam pre cleaner see owners manual for correct method to check and service.
- 2/ Lubrication. Use a few drops of oil on all linkages and pivot points associated with the deck lifting mechanism. This should be done every 25 to 30 hours.
- 3/ To check and or replace blades stop engine and remove spark plug lead. Lift cutting deck to the highest position. Check for blade damage and or excessive blade wear taking particular note of the condition of the air vane behind the cutting edge.

It is important that all blade tips are at the same height for best cutting performance. Repair or replace if necessary.

- 4/ Battery maintenance. Check the battery fluid is at the correct level. Use distilled water to top up if necessary. If the mower is not used regularly, the battery will lose charge (even when terminals are disconnected). Keep battery charged with a mains battery charger.
- 5/ Tyre pressures. Front and rear is approximately 105 Kpa (15 p.s.i.) Incorrect rear tyre pressures will alter the level of the cutting deck.

ADJUSTMENTS

1/ Steps to levelling cutting deck.

1/ Position mower on a hard flat level surface such as a garage floor.

2/ Remove the left side cover (4 x M6 Allen head screws) and place to one side.

3/ Using the lift lever, position the cutting deck height to 10 - 20mm above the floor.

4/ Adjust the "front to rear lift link" (fig 1) so that the rear of the deck is approximately 5mm higher than the front. (viewed from the right side)

5/ Slacken the two M10 nyloc "deck lift adjuster nuts" (fig 1) and move the front and rear arms until the cutting deck is approximately 5mm higher at the rear and that the deck is level.

(The gap between the floor and the deck should be the same as the other side). re tighten the two M10 nyloc nuts.

6/ Replace the side cover

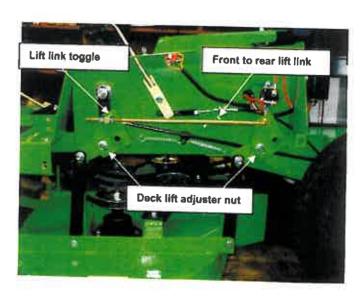


Fig 1

Cutting deck lift height adjustment. Fig 2

1/ Remove the front lift lever cowling by removing the four M6 Allen head screws and place to one side.

2/ Slacken the two "connecting link clamp bolts and nuts" and adjust length of link to provide the desired lift lever position.

The gap between the floor and the under side of the cutting deck, should be approximately 80mm when the lift lever is in the highest position.

Blade drive belt adjustment. Fig 3

1/ Remove the left side cover (4 x M6 Allen head screws) and place to one side

2/ Slacken the two lock nuts on the end of the blade control cable and adjust until the blade engage lever has approximately 50mm (60mm for model ZTS181200) of free travel.(see fig 3) Tighten lock nuts.

If there is insufficient adjustment available by adjusting both ends of the cable, remove the cable connecting link and select an alternative mounting hole.

3/ Before replacing the cover, test run the blade drive with engine running following steps 1 to 3 in section 2 on page 12.

Check that the blades do not continue to drive when the blade control is disengaged. If this occurs, the cable will need to be re adjusted. Once satisfied that the blade control is functioning correctly, replace the side cover.

If you are not confident in making these adjustments, take your machine to your Kingcat dealer who is competent and qualified to do them for you.

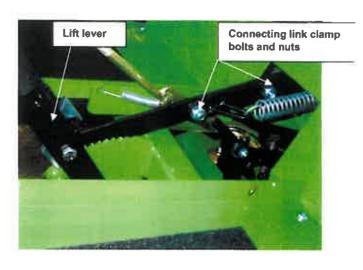


Fig 2

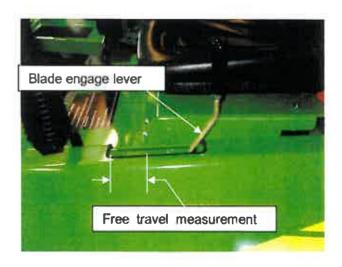


Fig 3



Warranty Policy

September 2007

New Mower

Kiwi Mowers warrants in respect of each new ride-on sold, that for a period of one (1) year (Domestic use **) or six (6) months (Commercial/Contractor/Hire use ***) to the original purchaser from the date of purchase, Kiwi Mowers or an authorized dealer will repair or replace free of charge any ride-on mower parts found to be defective in materials or workmanship under normal use and operating conditions provided that:

- 1. The mower has been properly and reasonably used, operated, maintained and regularly serviced as per the safety and operating instructions and maintenance schedule during the warranty period.
- 2. The replacement or repair is performed by an authorized Kiwi Mowers Dealer.

** "Domestic/Consumer use" means the personal residential household property use by the original retail purchaser. ***"Commercial use" means all other uses, including income producing, rental, schools, government departments and charity operators.

New Mower Warranty Extension

To triple the warranty period (Domestic use only) from the existing twelve (12) months to thirty six (36) or 300 hours whichever comes first, all we require is that:

- 1. The warranty registration form be completed and returned to Kiwi Mowers Ltd, PO Box 185, Katikati within fourteen (14) days from the date of purchase.
- 2. The mower receives an initial service at five (5) to ten (10) hours or one (1) month, then a service as per the maintenance schedule at every fifty (50) hours or six (6) months which ever is the sooner, and those service times and dates are recorded in the owners manual by the Kiwi Mowers servicing dealer.
- 3. All CHEETAH cutter deck chassis produced from 2007 are warranted to give a minimum of FIVE years safe operation.(excludes paint repairs)

Parts Installed During New Mower Warranty Period

Warranty coverage for parts installed during the life of the new mower warranty period shall consist of the remainder of the new mower warranty period or ninety (90) days, whichever is the greater, provided the installation is performed by an authorized Kiwi Mowers Service Dealer.

Engine

The engine in a new mower is covered by the manufacturer of that specific engine, not by Kiwi Mowers Ltd. Please refer to the engine manual supplied with the mower.

Battery and Electric Clutch

The battery or electric clutch in a new mower is covered for a period of twelve (12) months by the battery/ electric clutch supplier and/or Kiwi Mowers Ltd to the original purchaser from the date of purchase. (Excluded in extended Warranty)

Warranty Service

In the event of the need for warranty service, please contact your local authorized Kiwi Mowers Dealer. The date of purchase and Model and Serial number of the machine must be supplied before any warranty claim will be accepted for processing.

Warranty Registration

The warranty registration card must be completed by the dealer with the customer at the time of the purchase and returned to Kiwi Mowers, Po Box 185, and Katikati.

Warranty Exclusions

1. The rental of another machine or related equipment while unit repairs are in

2. Telephone, facsimile expenses or other related communication expenses.

3. Transportation and Insurance charges during transportation of failed unit or any part thereof.

4. The labour, parts, mechanical adjustments or lubricant costs which, in the judgment of Kiwi Mowers are made or should be made as standard maintenance according to the maintenance schedule.

5. The replacement of normal maintenance parts such as mower discs, blades, cutter bars, bolts and nuts, vee belts, bearings, chains and clutch cones, made in connection with normal maintenance services as opposed to manufacturing defects.

6. Any defect caused by alteration, modification, fitment of a non genuine part or attachment not approved by Kiwl Mowers Ltd.

7. Any defect caused by misuse, negligence, accidents or failure to carry out proper maintenance procedures.

8. Any defect caused by work carried out by other than an Authorized Dealer.

9. Damage caused by the continued operation of the machine after it is known to be

10. Damage caused by racing and similar activities or by overloading.

All implied warranties (save those preserved by statute) are excluded. Liability for consequential damages under any and all warranties are excluded to the extent exclusion is permitted by law.

To the extent that It is not prevented from doing so from statute, the manufacturer will not accept liability for costs of labour, postage, cartage or delivery to replace faulty materials or parts; or for any loss, damage or accident directly, indirectly, or consequently suffered by the purchaser, operator or any other person or property as a result of such faults whether due to defective materials or workmanship or otherwise.

The careless or improper use of a machine of this type can be dangerous. The manufacturer or selling agent does not accept responsibility for accident either to the operator, to the owner or to any person directly or indirectly or to property if such accident is caused by circumstances other than by the negligence or default of Kiwi Mowers Ltd.

Due to Kiwi Mowers on-going commitment to product improvement, we reserve the right to change at any time, product specifications, configurations and company policies.