

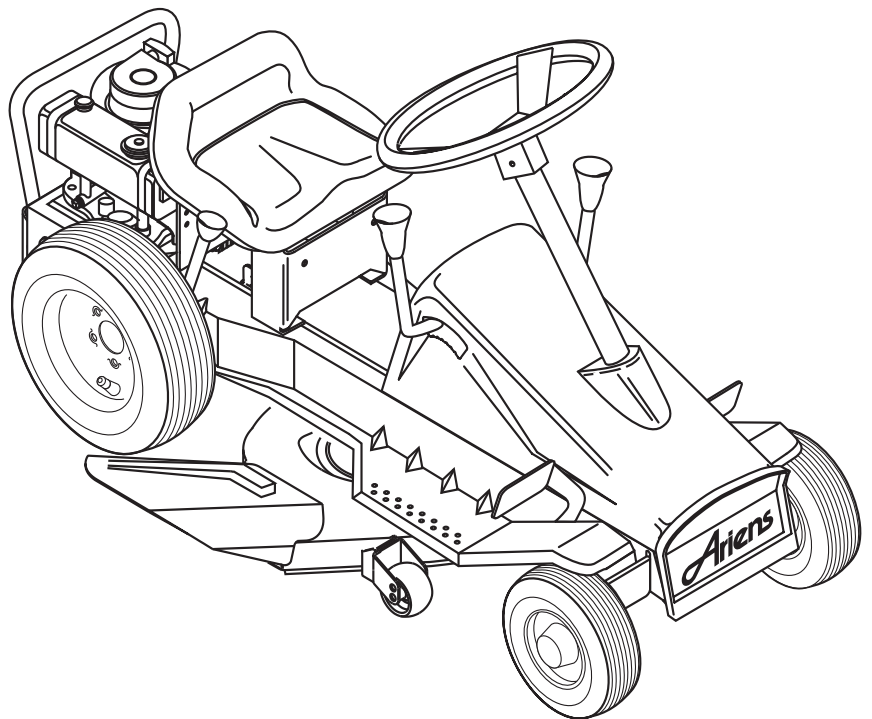


Imperial™ Rear-Engine Riders

Owner/Operator Manual

Models

- 927046 - RM1028
- 927053 - RM9028
- 927054 - RM9030
- 927055 - RM1332
- 927056 - RM1330



- GB ENGLISH
- F FRANÇAIS
- E ESPAÑOL

CONTROLS AND FEATURES

ENGLISH

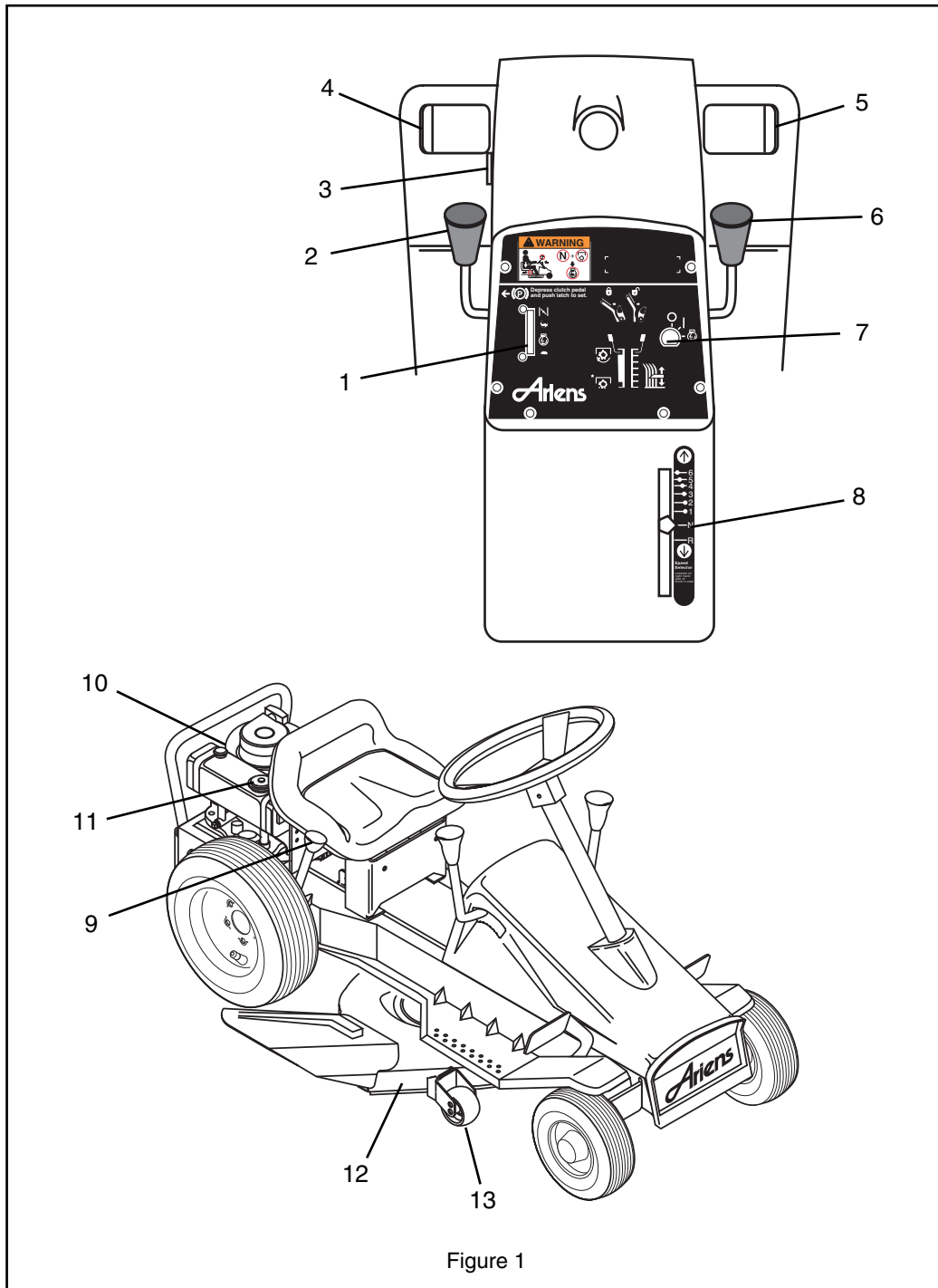
1. Throttle Control
2. Mower Clutch Lever
3. Parking Brake
4. Clutch Pedal
5. Brake Pedal
6. Mower Height Lever
7. Ignition Key Switch
8. Speed Indicator
9. Speed Selector
10. Engine Oil Fill
11. Fuel Tank Fill
12. Mower Pan
13. Roller

FRANÇAIS

1. Manette des gaz
2. Embrayage de l'unité de coupe
3. Fein de stationnement
4. Pédale d'embrayage
5. Pédale de frein
6. Levier de hauteur de coupe
7. Contacteur d'allumage
8. Indicateur de vitesse
9. Sélecteur de vitesse
10. Bouchon d'huile moteur
11. Bouchon du réservoir d'essence
12. Carter de l'unité de coupe
13. Roulette

ESPAÑOL

1. Control del acelerador
2. Palanca del embrague del cortacésped
3. Freno de mano
4. Pedal del embrague
5. Pedal del freno
6. Palanca de la altura del cortacésped
7. Interruptor de la llave de la ignición
8. Indicador de la velocidad
9. Selector de la velocidad
10. Llenado de aceite del motor
11. Llenado del tanque de combustible
12. Recolector del cortacésped
13. Rodillo



⚠ WARNING ⚠

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.



GB

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ENGLISH

RIDING MOWER MODELS

Model Number 927046
RM1028

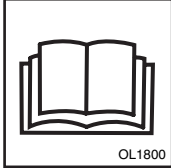
Model Number 927055
RM1332

Model Number 927053
RM9028

Model Number 927056
RM1330

Model Number 927054
RM9030

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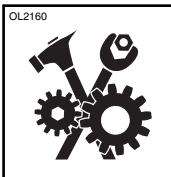
SECTION 3: OPERATION



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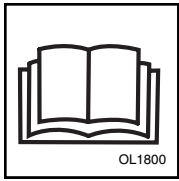
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THE MANUAL

Before operation of unit, carefully and completely read your manuals. The contents will provide you with an understanding of safety instructions and controls during normal operation and maintenance.

All reference to left, right, front, or rear are given from operator standing in operation position and facing the direction of forward travel.



SERVICE AND REPLACEMENT PARTS

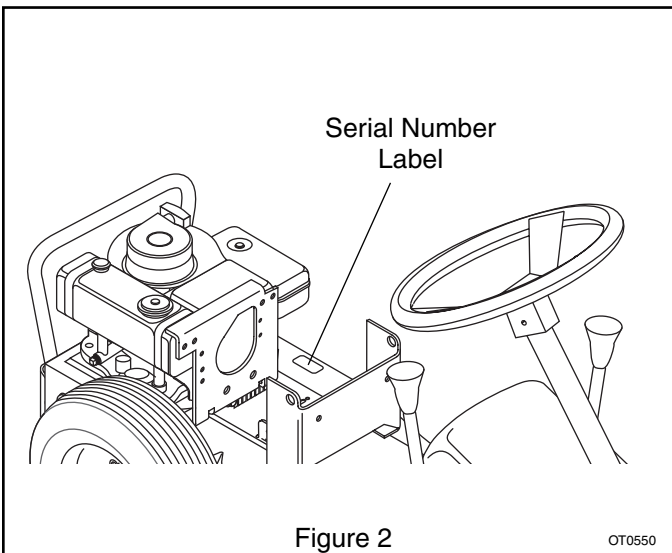
When ordering replacement parts or making service inquiries, know the Model and Serial numbers of your unit and engine.



Numbers are located on the product registration form in the unit literature package. They are printed on a serial number label, located on the frame of your unit (Figure 2).

- Record Unit Model and Serial numbers here.

- Record Engine Model and Serial numbers here.



PRODUCT REGISTRATION

A warranty registration card must be filled out by the Ariens dealer, signed, and returned at time of sale. This form activates the warranty. The replacement of any part on this vehicle with anything

other than an Ariens authorized replacement part may adversely affect the performance, durability, or safety of this unit and may void the warranty. Claims meeting requirements during limited warranty period will be honored. To guarantee full warranty service, make sure your registration card has been returned to Ariens Company.

DISCLAIMER

Ariens Company is hereinafter referred to as Ariens. Ariens reserves the right to discontinue, make changes to, and add improvements upon its products at any time without public notice or obligation. Ariens disclaims liability for any claims or damages, whether regarding property, personal injury or death arising out of the use of unauthorized replacement parts. The descriptions and specifications contained in this manual were in effect at printing. Equipment described within this manual may not be identified as either standard or optional. Illustrations may not be applicable to your unit.

Publication and Service Parts List

Order the following parts through your dealer:

Part No.	Qty.	Description
02758600	1	Parts Manual
00012400	1	Service Manual
02749400	1	Battery
07216900	1	PTO Belt (Engine to 28", 30" Decks)
07215500	1	PTO Belt (Engine to 32" Deck)
07211200	1	Transmission Belt
00300300	1	Friction Disk
02749351	1	Blade 28"
02728751	1	Blade 30"
02747051	1	Blade 32"



SECTION 2: SAFETY



SAFETY ALERT SYMBOL

This is a safety alert symbol. It means:

- **ATTENTION!**
- **YOUR SAFETY IS INVOLVED!**

When you see this symbol:

- **BECOME ALERT!**
- **OBEY ITS MESSAGE!**

SIGNAL WORDS

The safety alert symbol is used with the signal words **▲ DANGER**, **▲ WARNING** and **▲ CAUTION** and colors to alert you to safety messages.

They are used in safety decals on the unit and with proper operation and procedures in this manual. They alert you to the existence and relative degree of hazards.

Understand the safety message. It contains important information about personal safety on or near the unit.

DANGER
IMMINENTLY HAZARDOUS SITUATION! If not avoided, WILL RESULT in death or serious injury.

WARNING
POTENTIALLY HAZARDOUS SITUATION! If not avoided, COULD RESULT in death or serious injury.

CAUTION
POTENTIALLY HAZARDOUS SITUATION! If not avoided, MAY RESULT in minor or moderate injury. It may also be used to alert against unsafe practices.

PRACTICES AND LAWS

Practice usual and customary safe working precautions, for the benefit of yourself and others. Understand and follow all safety messages. Be alert to unsafe conditions and the possibility of minor, moderate, or serious injury or death. Learn applicable rules and laws in your area.

REQUIRED OPERATOR TRAINING

Original purchaser of this unit was instructed by the seller on safe and proper operation. If unit is to be used by someone other than original purchaser; loaned, rented or sold, **ALWAYS** provide this manual and any needed safety training before operation.

SAFETY DECALS AND LOCATIONS

ALWAYS replace missing or damaged Safety Decals. Refer to Figure 3 for Safety Decal locations.

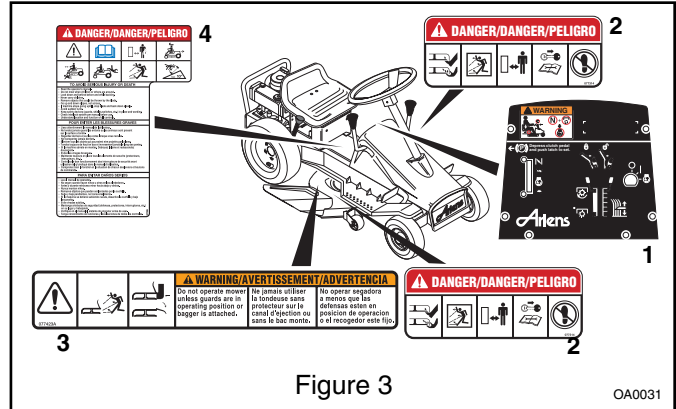


Figure 3

OA0031

1. WARNING



- A. Be sure speed selector is in Neutral (N) and Mower Clutch is disengaged () before starting engine () .

2. DANGER



A B C D E

- A. Always keep feet and hands away from rotating parts.
 B. Always stand clear of discharge area.
 C. Keep people away from unit while operating.
 D. Shut off engine, remove key, read manual before you unplug, adjust or repair unit.
 E. **NO STEP!** Always keep feet away from rotating parts.

3. WARNING



A B C

- A. Attention! Your safety is involved!
 B. Always stand clear of discharge area.
 C. Do not operate mower unless guards are in operating position or bagger is attached.

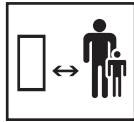
4. DANGER



Attention: Your safety is involved!

TO AVOID SERIOUS INJURY OR DEATH

Read the operator's manual.



Do not mow when children or others are around.



Look down and behind before and while backing.



Turn mower off when children are in the area.



NEVER carry riders or children, even if mower clutch is disengaged.



Always stand clear of discharge area. Do Not direct discharge toward other people. Remove objects that could be thrown by the blade.



DO NOT operate on slopes over 10°.

Go up and down slopes, not across.

If machine stops going uphill, stop blade and back down slowly.

Avoid sudden turns.

Keep safety devices (guards, shields, switches, etc.) in place and working.

Check interlock system per manual before use.

Understand location and function of all controls.

UNIT, OPERATIONAL, PERSONAL, SERVICE AND MAINTENANCE SAFETY RULES

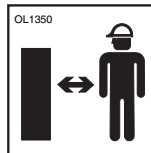
Operation

Only Trained Adults may operate unit. Training includes actual operation. Never allow children to operate unit. Data indicates that operators age 60 and older are involved in a large percentage of riding mower-related injuries. These operators should evaluate their ability to operate the mower safely enough to protect themselves and others from injury.



Clear Area

Before operation ALWAYS clear area of objects (rocks, toys, wire) that could be picked up and thrown by mower.



Safe Distances

Keep children and people away from unit during operation. Stop unit if anyone enters area.



Walk-Around Inspection

Inspect unit, attachment and work area before operation. Watch for traffic when operating near or crossing roads or drives.



Child Safety

Keep children out of work area and under the watchful care of an adult.



NO Drugs

NEVER operate after or during the use of medication, drugs or alcohol.



Avoid Entanglement

Keep safety devices or guards in place and functioning properly. NEVER modify or remove safety devices.



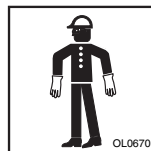
NO Alcohol

Complete and unimpaired attention is required when operating unit.



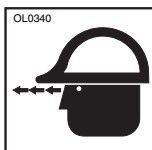
Speed Ranges

DO NOT mow at too fast a rate. DO NOT change engine governor setting or over speed the engine.



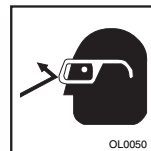
Safety Gear

Wear adequate safety gear, protective gloves and footwear. Wear sturdy footwear. Do Not operate barefoot or with open sandals, canvas shoes. NEVER wear loose clothing, jewelry or long hair that may get caught in rotating parts. Wear safety goggles or safety glasses with side shields. Protect eyes, face and head from



Visibility

ALWAYS operate unit when there is good visibility and light.



Slippery Surfaces

ALWAYS be sure of your footing. Do not operate on wet grass



Avoid Falls

Avoid uneven work areas and any rough terrain. Do not operate near drop-offs, ditches or embankments. Unit could suddenly turn over if wheel goes off edge or edge caves in.



Hidden Obstacles

Watch for holes, ruts, bumps. Tall grass can hide obstacles. Use extra care when approaching blind corners or objects that may obscure vision.



objects that may be thrown from unit.

Thrown Objects

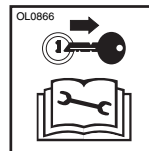
ALWAYS stand clear of discharge when operating unit. Do not direct discharge toward other people. Deflected materials can cause injury.

Avoid Entanglement

ALWAYS keep hands away from all rotating parts during operation.



ALWAYS keep feet and hands away from all rotating parts during operation. Rotating parts can cut off body parts.



Adjustments

Remove Key, see maintenance manual to repair any damage.



Abnormal Vibrations

Abnormal vibrations are a sign of trouble. Disengage PTO, stop engine, remove key and wait for all moving parts to stop before servicing.

Foreign Object

After striking an object, stop and shut off unit. Inspect for and repair any damage before restart.



Hot Surfaces

DO NOT touch parts which are hot. Allow parts to cool.

Pre-Start

Before starting engine: disengage PTO and set parking brake.

Attachment Clutch

Disengage PTO when attachment is not in use.



Exhaust Fumes

Fumes from the engine exhaust can cause death or serious injury.

DO NOT run engine in an enclosed area. NEVER fill tank when engine is running, hot or unit is indoors.



Explosive Fuel

Fuel is highly flammable and its vapors can explode. ONLY use approved RED fuel containers.



NO Smoking!
NO Sparks!
NO Flames!

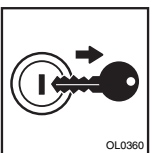
Allow engine to cool before filling fuel tank. Wipe off any spilled fuel and allow vapors to dissipate before starting engine.

Hazardous Slopes

DO NOT operate on steep slopes. DO NOT mow across the face of steep slopes or make sudden changes in speed or direction.

Roll Away

NEVER leave unit unattended on a slope. Check Clutch and Brake function often.



Parking

Remove the key when parking. Never leave a running unit unattended. ALWAYS shut off engine and remove key to prevent unauthorized use before leaving unit.



Maintenance

ALWAYS block wheels and know all jack stands are strong and secure and will hold weight of unit during maintenance.

Battery

Avoid Electric Shock. DO NOT reverse battery connections.



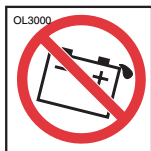
Explosive Gases!

Poisonous battery fluid contains sulfuric acid and its contact with skin, eyes or clothing can cause severe chemical burns.

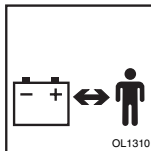


No flames, No sparks, No smoking, near battery.

ALWAYS wear safety glasses and protective gear near battery.



DO NOT TIP battery beyond a 45° angle in any direction.



ALWAYS KEEP BATTERIES OUT OF REACH of children.



Safety Interlock System

DO NOT operate unit if operator presence control is damaged or disabled.

Sharp Edges

Moving parts can cut or amputate fingers or a hand. Wrap blade(s) or wear gloves to service.



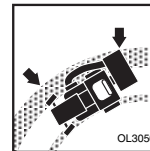
Pinch Points

ALWAYS keep hands away from all pinch points.



Replacement Parts

ALWAYS maintain unit in safe operating condition. Damaged or worn out muffler can cause fire or explosion.



Turning Radius and Clearances

ALWAYS allow adequate clearance between bagger, personnel, and other objects when turning. Slow down before turning.

Reverse

Do not mow in reverse unless absolutely necessary. ALWAYS backup slowly. ALWAYS look down and behind before and while backing.

Traction

If tires lose traction, use brake to stop, turn off PTO, and proceed slowly straight down slope. If you cannot back up the slope or feel uneasy, do not mow it.



Brake

Check Brake Operation frequently. Adjust and service as required.

No Riders

Never carry passengers. Never carry children. Even if mower clutch is disengaged.



DO NOT try to stabilize unit by putting foot on ground.



Storage

Allow unit to cool before storing. DO NOT store unit inside a building with fuel in the fuel tank where any ignition sources are present. ALWAYS Clean unit before extended storage. See engine manual for proper storage.

Cleaning

Keep unit free of grass, leaves, or other debris. Clean up oil or fuel spills.

**Transport**

Use extra care when loading or unloading unit onto trailer or truck. Secure unit chassis to transport vehicle. NEVER secure from rods or linkages that could be damaged.

To stop riding mower in an emergency, fully depress clutch pedal.

Rolling

Do not release clutch pedal until unit has stopped rolling and speed selector has been moved to 1st or 2nd speed.

Attachments

Use only attachments or accessories designed for your unit. Use recommended wheel weights or counterweights. Use extra care with attachments. Use only approved hitch points. Limit loads to those you can safely control.

Bagger

Install Front Counter Weight when using Bagger. Know the weight of loads. Do not use Bagger on steep slopes. Bagger components are subject to wear, damage, and deterioration, which could expose moving parts or allow objects to be thrown. Check components frequently and replace with recommended parts.

A SECTION 3: OPERATION

NOTE: This product is equipped with an internal combustion engine. DO NOT use on or near any unimproved, forest covered or brush covered land unless the exhaust system is equipped with a spark arrester meeting applicable local, state or federal laws. A spark arrester, if used, must be maintained in effective working order by the operator.

STANDARD CONTROLS

See Figure 1 for all Controls and Features locations.



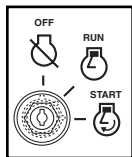
Throttle/Choke

Throttle/Choke lever controls engine speed (to increase, push up – to decrease, pull down) and activates choke (push lever up and to right past offset).

To start a cold engine move lever to “CHOKE” position and after engine has started, gradually pull lever down to open choke and allow engine to warm up at 1/2 throttle setting. (It should not be necessary to choke a warm engine).

CAUTION

DO NOT change engine governor setting or over speed engine.



Ignition

The Ignition Switch is operated by a removable Key. It has three positions:

1. “Stop”
2. “Run”
3. “Start”

Electric Start (Optional)

The Electric Starter will start a properly choked and cranked engine when the key is turned to the “Start” position.

Recoil Starter Handle

Pull handle to start engine (see Manual Start).

Brake Pedal

When Brake Pedal is depressed (with clutch pedal depressed), brake band on friction wheel hub stops riding lawn mower.

CAUTION

Brake will not stop riding mower without depressing Clutch Pedal. To stop unit in an emergency, fully depress clutch pedal.

If unit rolls backward down a slope, with Speed Selector in forward speed, fully depress clutch pedal then depress brake to stop. DO NOT release clutch pedal until unit has stopped rolling and Speed Selector has been moved to first or second speed.

Clutch Pedal

When Clutch Pedal is depressed, transmission is disengaged from engine, permitting shifting from neutral (N) to desired direction of travel. With Speed Selector in 1st or 2nd speed, release Clutch Pedal slowly for smooth acceleration and remove foot from pedal.

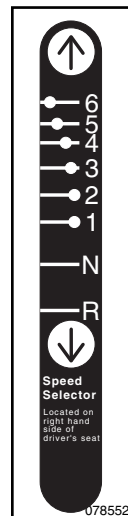
IMPORTANT: Do not leave foot on pedal during operation as belt slippage may occur.

When unit is in motion, use of Clutch Pedal is not required when shifting between forward travel speeds.

Depressing Clutch Pedal beyond clutching point will activate brake.

Travel Speed Selector

The Speed Selector controls the unit travel in a forward or reverse direction when positioned in notch of speed.



Speed Selector lever is used to select neutral (N) or travel speeds that provide six forward speeds with one reverse speed. These speed are shown at indicator on side of frame. First (1) speed is slowest, (6) indicates fastest speed, (R) indicates reverse and (N) indicates neutral position.

To start engine, Speed Selector must be in neutral (N).

Ariens recommends starting forward travel in first (1) or second (2) speed, then shifting “on the go” to desired travel speed.



Attachment Clutch

1. Move Mower Clutch Lever to left, then forward to (ON) position to start mower blade rotation and cutting (move to right to latch).
2. Pull lever to left, then to rear (OUT) position to apply blade brake and stop blade rotation.



Attachment Lift

Move Attachment Control to right then to rear position for maximum cutting height (4"). Move lever to right, then to forward position for lowest cutting height (1"). Intermediate positions allow selection of cutting heights between these values.



Parking Brake

Parking Brake is provided to prevent tractor from rolling when parked or left unattended.

To engage Parking Brake, fully depress Clutch Pedal and engage Parking Brake Latch, then remove pressure from Clutch Pedal.

To disengage Parking Brake, depress Clutch Pedal fully and disengage Parking Brake Latch.

IMPORTANT: Operating unit with Parking Brake and Latch engaged will damage brake band and friction wheel.

PRE-STARTING

Crankcase Oil

Check that the engine crankcase oil is at proper level by setting dipstick into tube. Fill or change per instructions in General Maintenance Section.

CAUTION

Make sure all hardware is tight, all safety devices in place and all adjustments made correctly.

Air Cleaner

Check air filter for dirt. Clean as required. See General Maintenance.

Engine Fuel

Refer to General Maintenance Section.

Check fuel supply. Wipe dust, dirt and debris from around cap before removing to prevent foreign particles from entering tank.

NOTE: For cold weather starts, use a winter grade gasoline which has a higher volatility to improve starting. DO NOT use gasoline left over from summer.

Seat Adjustment

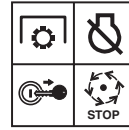
Be sure all controls can be reached safely from operator's position. To move seat, loosen four bolts under seat, move seat to desired position, and tighten bolts.

Safety Interlock System

Engine must shut off if the operator attempts to leave the seat. When Speed Selector is not in neutral (N) or Mower Clutch is engaged (IN) engine must shut off or interlock circuit is defective.

NOTE: Check interlock system before each use.

WARNING



Safety interlock system failure and improper operation of unit can result in death or serious injury. Check system to make sure it is functioning properly.

STARTING AND SHUT OFF

CAUTION

DO NOT attempt to start unit at this time. Read and understand entire manual before starting unit.

Electric Start

See Figures 1 and 5 for all Controls and Features locations.

1. Place mower unit on level ground.
2. Place Speed Selector in neutral (N).
3. Place Mower Clutch Lever in disengaged (OUT) position.
4. Depress both Brake and Clutch Pedals to prevent rolling.
5. Insert key into ignition switch.
6. Set throttle to "Fast" position.
7. Turn key to "Start" position to crank engine and release when engine starts.

IMPORTANT: DO NOT operate started motor more than 15 seconds per minute, as overheating and damage can occur.

8. Set throttle to "Part Throttle" or "Slow" position for adaptation to ambient temperature or transport. Once achieved, set throttle to "Fast" position for normal operation.
9. Select Speed Control range.

Manual Start

1. Follow the previous starting steps 1-3.
2. Engage Parking Brake.
3. Turn key to "Run" position.
4. Grasp starter handle and pull rope out slowly until it pulls harder, this is compression stroke, let rope rewind slowly.
5. Pull rope with a rapid continuous full arm stroke. Let rope rewind slowly.




IMPORTANT: DO NOT let Starter Handle snap against Starter.

- Repeat until engine starts. (If engine does not start, refer to Engine Manual).
- Follow the previous starting step 8-9.

STOPPING

- Depress clutch/brake pedal, disengage Implement Power (lever OUT), lower attachment, fully depress clutch pedal and engage parking brake latch and then remove pressure from pedal.
- Turn Ignition Key counterclockwise to stop engine.
- Remove key.




PARKING


 WARNING	
	<p>MACHINE ROLL AWAY can cause injury or death. ALWAYS engage parking brake when leaving unit unattended.</p>
	<p>Stop engine, and remove key before cleaning or servicing unit.</p>

To park, stop the unit and engage the Parking Brake. Always take all possible precautions when leaving equipment unattended.

MOWING TIPS

The following tips will help you to mow safely, achieve maximum performance from your unit and maintain the desired appearance of the lawn.

 WARNING	
	<p>MOVING PARTS can cut or amputate body parts. NEVER attempt to clear rotary mower pan or discharge while engine is running.</p>
	<p>ALWAYS stop engine, remove key, and wait for moving parts to stop before clearing rotary mower.</p>

 CAUTION	
<p>Stay alert for holes, rocks, roots and hidden hazards in area of operation. Exercise extreme caution when operating on or crossing gravel surfaces. Stay alert for traffic.</p>	

NOTE: Clean mower pan after each use. DO NOT allow grass clumps or a coating of grass and debris to collect inside of mower pan. Avoid operation over bare ground intermittent with grass cutting as this causes dirt and grass to collect and cake under pan surface.

Grass should be cut when it is dry; not when it is wet from dew, rain or from watering. Wet grass tends to pack inside mower pan and will not discharge, mulch or bag properly, especially if height of cut is set low.

Keep mower blades sharp. Dull blades will tear grass and a white cast will result over a freshly cut lawn. The tips of the grass blades will then turn brown. A new lawn has soft blades of grass and a high moisture content.

Proper leveling and pitch of the rotary mower pan is needed for a smooth even lawn. If the pitch of the mower pan is in reverse or inadequate, grass will be cut twice, resulting in frayed grass ends. Too much pitch causes an uneven cut.

Upon first use of mower, cut the grass at a longer length. This will prevent scalping due to the irregularities in lawn.

To insure most complete and even cut, overlap each swath.

Plan your cutting so that you always trim with the left side of the mower pan.

Following the same pattern each time you mow the lawn can develop ridges. Change direction in mowing pattern (when possible) to prevent ridges.

Generally, grass should be cut at about 1-1/2" long in the spring, and not less than 2" long in the hot summer weather.

Lower speed at turns to prevent scuffing.

If grass is high, or if it contains a high degree of moisture, cut it first with the mower pan set high. Cut the grass a second time, with the mower pan set lower, for a better distribution of clippings and a cleaner cut.

For thick, lush or heavy growth lawns do not set the cutting height too low. Grass cut too short may die.

When the blade is set too low, the mower pan will drag on the grass and restrict air flow, causing a reduction in the discharge of grass clippings.

Discharge grass clippings away from borderline objects (sidewalks, driveways, fences) when cutting grass. Discharge grass clippings over cut grass when not cutting borderlines. This will prevent a buildup of grass clippings on uncut grass area.

Adjust anti-scalp wheels properly for smooth appearance in cut.

Mow with engine set at full throttle to maintain proper blade speed and air flow for discharge of clippings.

NOTE: Grass catcher components are subject to wear, damage, and deterioration which could expose moving parts or allow objects to be thrown. Frequently check components and replace with manufacturer's recommended parts when necessary.



SECTION 4: GENERAL MAINTENANCE

Ariens Dealers will provide any service or adjustments which may be required to keep your unit operating at peak efficiency. Should engine service be required, contact an Ariens dealer or an authorized engine manufacturer's service center.

WARNING



ACCIDENTAL ENGINE START UP can cause death or serious injury. ALWAYS stop engine, remove key, wait for moving parts to stop and remove wire from spark plug before adjusting or servicing.



HOT SURFACES can cause death or serious injury. DO NOT TOUCH parts which are hot from operation. ALWAYS allow parts to cool.



ROTATING PARTS can cut off body parts. Keep hands and feet away. Loose clothing, long hair or scarves can get caught in rotating parts and cause death or serious injury.

SERVICE POSITION

Place unit on a flat level surface. ALWAYS stop engine and disengage clutches. Tip up on the service bar for ease of access during some procedures. Assure unit is secure and will not tip over. Strap and clamp onto lift if used.

CAUTION

Remove enough fuel so that no spillage will occur. Remove battery to prevent spillage of electrolyte.

IMPORTANT: When unit is tipped up onto its service bar, undrained gasoline drawn into cylinder may wash cylinder wall and shorten engine life.

FILLING FUEL TANK

WARNING



FLAMMABLE FUEL and its **EXPLOSIVE VAPORS** can result in death or serious injury.



Handle fuel with care. ALWAYS use an approved fuel container.



No Smoking! No Lighted Materials!

No Open Flame!

Allow engine to cool before any service.

To add fuel to Fuel Tank (figure 4):

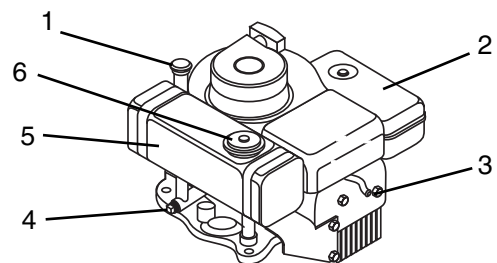
1. ALWAYS place unit in open or well ventilated area.
2. Stop engine and allow to cool for 2 minutes.
3. Clean Fuel Cap and surrounding area to prevent dirt from entering Fuel Tank.
4. Remove Cap.

IMPORTANT: DO NOT use gasohol or gasoline containing alcohol. Alcohol will cause internal parts to deteriorate. See Engine Manual for correct type and grade of fuel.

5. Fill fuel tank to within 1/2" (1.3 cm) below bottom of filler neck with unleaded gasoline.
6. Replace Fuel Cap and tighten.
7. ALWAYS clean up any spilled fuel.

ENGINE

See Figure 4. For further information on the engines, refer to the enclosed Engine Manual.



- | | |
|------------------------------|-------------------|
| 1. Oil Fill Cap and Dipstick | 4. Oil Drain Plug |
| 2. Air Cleaner Cover | 5. Fuel Tank |
| 3. Spark Plug | 6. Fuel Cap |

Figure 4

Cooling

Engine is air cooled. Air must circulate freely around engine from Air Intake to cooling fins on cylinder head and block, to prevent overheating.

Every 100 hours of operation or yearly (more often if conditions require) remove cooling shrouds and clean cooling fins. Clean external surfaces of engine of dust, dirt and oil deposits which can contribute to improper cooling.

IMPORTANT: DO NOT operate engine with blower housing removed or engine overheating damage will result.



CAUTION

Periodically clean muffler and manifold areas to remove all grass, dirt and combustible debris. If engine muffler is equipped with spark arrester screen assembly, remove every 50 hours for cleaning and inspection. Replace if damaged.

Engine Oil

See engine manufacturer's instructions for proper type, viscosity and amount required.

Engine Oil Check

The engine crankcase oil should be checked daily or every five (5) hours of operation. Oil level **MUST** be maintained in safe operating range on dipstick at all times or engine damage will result.

To Check:

1. Clean all debris away from around oil cap.
2. Remove oil cap and dipstick. Wipe oil off dipstick with a clean cloth.
3. Replace dipstick until cap bottoms on tube. Remove dipstick again and observe oil level. Oil should be at the Full (F) mark.
4. If low, add oil and bring up to the Full (F) mark. DO NOT over fill. Oil level must not exceed Full (F) mark.
5. Replace dipstick and cap.
6. Clean up any spilled oil.

IMPORTANT: DO NOT overfill. Be sure engine is level when adding oil.

Changing Oil

IMPORTANT: Change engine crankcase oil after first two (2) hours of operation. Thereafter, change oil every twenty five hours of operation (more often in dusty dirty conditions).

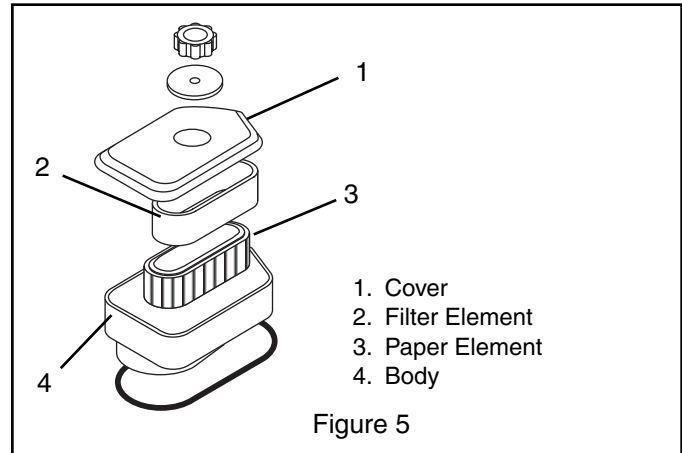
NOTE: Run engine just prior to changing oil. Oil will flow more freely and carry away more contamination when warm.

1. Drain engine crankcase by removing oil drain plug. After oil has drained, replace plug.
2. Remove oil fill cap and dipstick.
3. Pouring slowly, fill crankcase with oil. (See specifications).

4. Check oil level with dipstick. Replace dipstick and retighten cap.

Air Cleaner

IMPORTANT: Never run engine without complete air cleaner installed on engine.



Inspect filter every twenty-five (25) operating hours (more often if unit is used under extremely dirty or dusty conditions).

Foam Filter

Clean and reoil every three (3) months or every 25 operating hours. Clean and reoil daily if used in extremely dusty conditions.

1. Wash in water and detergent solution and squeeze (don't twist) until all dirt is removed.
2. Rinse thoroughly in clear water.
3. Wrap in a clean cloth and squeeze (do not twist) until completely dry.
4. Saturate with engine oil and squeeze (do not twist) to distribute oil and remove excess oil.

Paper Filter

Do not attempt to clean or oil filter. Replace once a year or every 100 operating hours, more often if used in extremely dusty conditions.

Clean inside of cover and body of filter holder. Replace filter and cover and secure.

Spark Plug

Spark plug should be cleaned or replaced (if necessary) and gap reset to .030" every 100 hours of operation or yearly whichever comes first.

To clean:

1. Remove debris from area around spark plug base.
2. Remove spark plug from engine.
3. Scrape and wash spark plug with a commercial solvent. DO NOT blast clean.
4. Replace spark plug.

NOTE: Sparking can occur if wire terminal does not fit firmly on spark plug. Replace terminal if damaged.

Muffler

Worn out mufflers should be replaced immediately. Continued use could result in fire or explosion.

Rotary Mower Belt Replacement

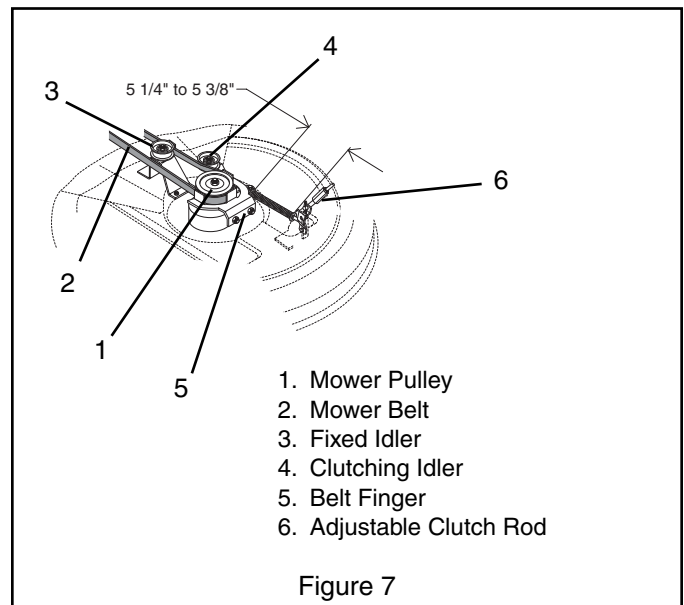
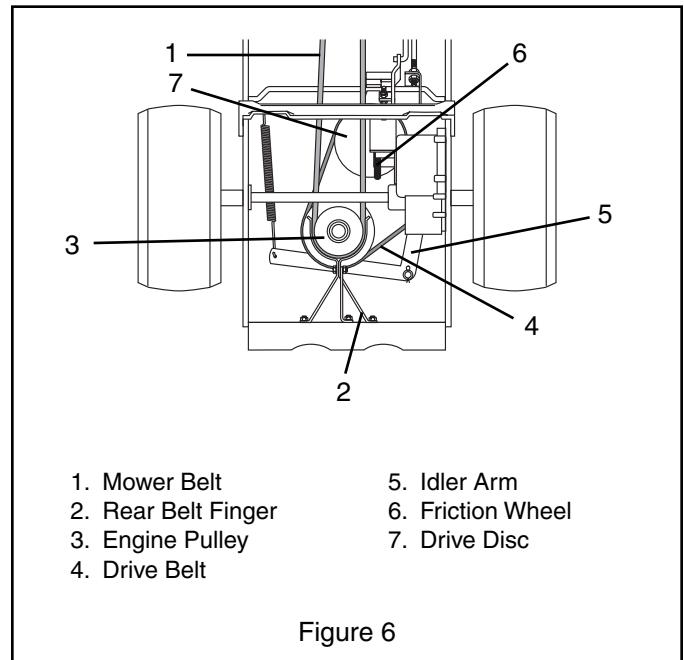
See Figures 6-7.

1. Disengage (OUT) Mower Clutch lever.
2. Loosen three nuts securing rear belt finger to back cover and rotate belt finger counterclockwise to remove from unit.
3. On 32" mowers, remove mower pulley belt finger, loosen cap screw on clutching idler and fixed idler to provide clearance for belt between belt fingers and idlers.
4. Remove old belt and place new belt in position on mower and engine pulley.
5. Position rear belt finger with 1/16" clearance between belt and finger, secure rear belt finger to rear cover by tightening top two nuts first, then bottom nut (see Adjustments).
6. On 32" mowers tighten cap screws on clutching idler (with 1/8" clearance between belt and finger) and fixed idler (with tab on mount engaged in hole of belt finger).
7. Install belt finger at mower pulley with 1/16" clearance between belt and finger (bend finger as required).

Mower Drive Belt Replacement

See Figures 6-7.

1. Remove rear belt finger from back cover and mower belt from engine pulley.
2. Remove five cap screws with lock washers that secure friction wheel and guard to hub (this provides clearance for removal of belt).
3. Place Speed Selector in neutral (N), release drive belt from idler and remove it from drive disk and engine pulley.
4. Install new belt around engine pulley, drive disk and idler with belt properly seated in grooves.
5. Secure friction wheel and guard on hub with five cap screws and lock washers.
6. Install mower belt on engine pulley and secure rear belt finger to back cover.



MOWER BLADE

See figure 8.

Regularly check mower blades for wear and that lock washer is fully compressed by hardware.

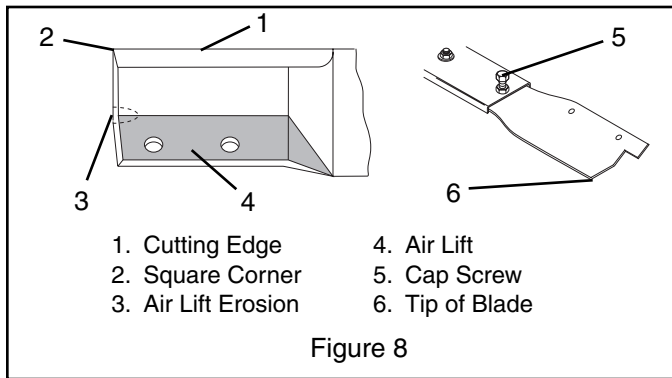
28" and 32" decks: torque cap screw to 25-30 ft. lbs. (34-47 Nm).

30" decks: torque nut to 50-60 ft. lbs. (68-81 Nm).

When blade needs sharpening:

1. Block blade to prevent rotation.
2. Remove hardware and blade from shaft.
3. Sharpen both ends of blade at original angle (25°), removing equal amounts of material from each end to maintain proper blade balance. New blades are balanced to within 1.3 in. oz. at factory, DO NOT grind around corner at tip of blade. If cutting edge of blade cannot be sharpened in a straight line to within 1/8 of an inch of its end, replace blade with Ariens replacement blade only.
4. Install blade, lock washer, and tighten hardware to torque listed above.

IMPORTANT: If mower is used under sandy soil conditions, replace blades when air lifts become eroded.

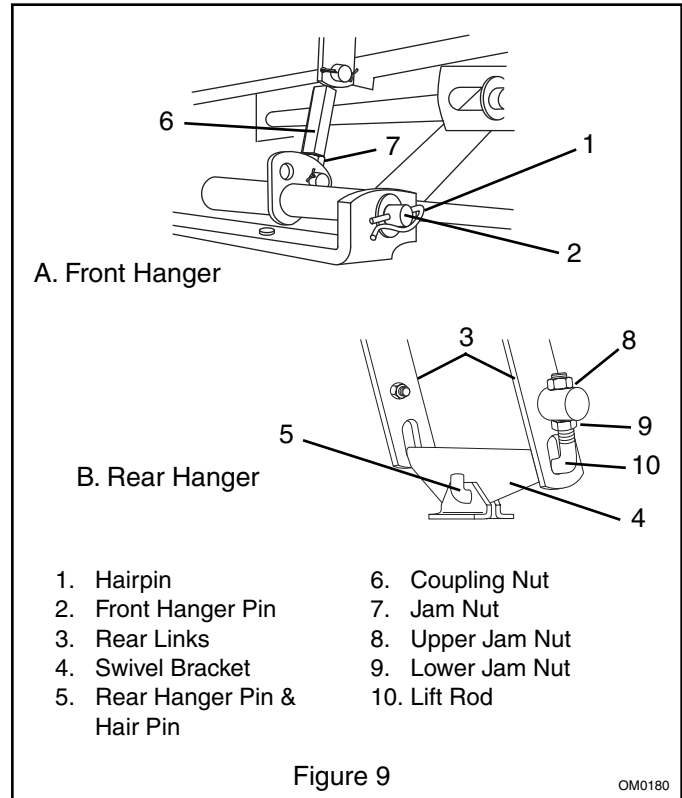


IMPORTANT: On 28" & 32", when replacing blade, blade should be 3/8" above flange. To position, turn cap screws on each end of blade tray until both tips of blade clear flange by 3/8" all the way around pan.

Mower Pan Removal

See Figure 9.

1. Remove rear belt finger from back cover and mower belt from engine pulley.
2. Position mower on flat level surface. Lower mower pan with Height Control lever. (Lowering mower pan down on blocks will relieve weight on linkage and make removal of pins easier).
3. Remove hair pin and rear hanger pin from swivel bracket to disconnect rear link.
4. Remove cotter pin from clutch rod and rod from clutch link.
5. Remove hair pin and front hanger pin to disconnect front linkage.
6. On 32" mower, remove hair pins and positioning arms from front mounting bracket.
7. Remove mower pan from rider.
8. Install mower pan on rider in reverse order.



BATTERY

When Charging battery remove it from the unit first.

⚠ WARNING

ELECTRIC SHOCK may result in injury and/or damage to unit.

DO NOT allow objects to come into contact with both terminals at the same time.

REVERSE CONNECTIONS may result in sparks which can cause death or serious injury. ALWAYS connect positive (+) lead of charger to positive (+) terminal, and negative (-) lead to negative (-) terminal. ALWAYS connect positive (+) cable FIRST, and negative (-) cable SECOND.

⚠ WARNING

EXPLOSIVE GASES from battery can cause death or serious injury. ALWAYS keep open flames, sparks, or smoking materials away from batteries.

POISONOUS BATTERY FLUID contains sulfuric acid and its contact with skin, eyes or clothing can cause severe chemical burns. ALWAYS wear safety glasses and protective gear near battery.

DO NOT TIP any battery beyond 45° angle in any direction.

ALWAYS KEEP BATTERIES OUT OF REACH of children.

Battery Electrolyte First Aid

Follow First Aid directions for contact with battery fluid.

- External Contact: Flush with water.
- Eyes: Flush with water for at least 15 minutes and get medical attention immediately!
- Internal Contact: Drink large quantities of water. Follow with Milk of Magnesia, beaten egg or vegetable oil. Get medical attention immediately!

IMPORTANT: In case of internal contact, DO NOT induce vomiting!

Cleaning Terminals

Keep battery and its terminals clean. Inspect monthly to maintain best performance.

Remove corrosion from battery terminals and cable connections with a wire brush, then wash with a weak baking soda solution.

After cleaning, apply a thin coat of grease or petroleum jelly to terminals and cable ends to retard corrosion.

Electrolyte Level

Every 25 hours or each week check electrolyte level of each cell by removing caps one at a time. The electrolyte level should be at level indicator. Use distilled water to fill each cell if needed.

IMPORTANT: When distilled water is added to battery during freezing weather, it must be charged to mix water with electrolyte or water will remain at top and freeze.

Charging

ALWAYS follow information provided on battery by battery manufacturer. Contact battery manufacturer for extensive instructions to charge battery.

Place unit on a level surface, shut off engine and open battery compartment to gain access to battery.

1. Disconnect negative (-) cable first, then positive (+) cable.
2. Loosen strap and remove battery.
3. Place Battery on bench or other well ventilated place where electrolyte spill will not create damage.
4. Remove caps and fill each cell to level indicated with electrolyte at 1.230± specific gravity and 80°F (27°C).
5. Let battery stand for one half hour.
6. Check electrolyte level and add more if necessary.
7. Connect positive (+) lead of charger to positive (+) terminal, and negative (-) lead to negative (-) terminal.
8. Charge the battery at two and a half amps for ten hours or until all cells are gassing freely and the specific gravity is constant over three 30 minute intervals.
9. Immediately after charging, check electrolyte level. If low, add distilled water to bring cell up to required level.
10. Replace caps finger tight, wash off and dry battery.
11. Reinstall battery into unit and connect positive (+) cable first, then negative (-) cable.

Battery Charger

Under normal conditions the engine alternator will have no problem keep battery charged. When unit has set for an extended period of time without operation and the battery has been completely discharged, a battery charger will be required for recharging.

Before using a charger, an attempt can be made to recharge the battery using the engine alternator by jump starting the unit and allowing the to engine run.

JUMP STARTING

Jump starting, battery charging or replacement is required when the starter motor will not crank the engine.

WARNING

FROZEN BATTERIES CAN EXPLODE and result in death or serious injury.

DO NOT charge a frozen battery. Let the battery thaw out before putting on a charger.

To jump start battery:

1. Ensure battery is not frozen. If the fluid is frozen, remove battery from unit and allow it to thaw before charging.
2. The unit used for jump starting should have a 12 volt battery with at least 500 cold cranking amperes, and a negatively grounded system.

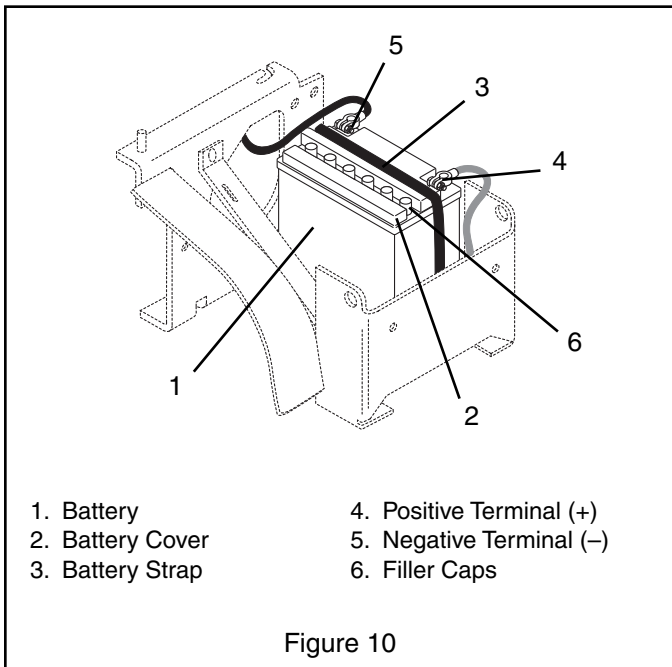
WARNING

UNIT MOVEMENT can result in death or serious injury. NEVER jump start unit directly to the starter or starter solenoid. Unit can move forward or backward and injure the person jump starting unit.

3. Connect the positive (+) jumper cable to the positive terminal of the discharged battery.
4. Connect the other end of the same jumper cable to the positive (+) terminal of the booster battery.
5. Connect one end of the second jumper cable to the negative (-) terminal of the booster battery.
6. Make the final jumper cable connection to the engine block or the furthest ground point away from the discharged battery.
7. Follow steps in "Starting and Shut OFF".
8. Remove jumper cables in the reverse order of their connection: Remove cable from ground point, the negative (-) terminal of the booster battery, the positive (+) terminal of the booster battery, and then the positive (+) terminal of the discharged battery.

CAUTION

REVERSE CONNECTIONS may result in sparks which may result in injury. ALWAYS connect/disconnect cables in proper order.



IMPORTANT: DO NOT fast charge. Charging at higher rate will damage or destroy battery.

TIRES

NOTE: Keep tires properly inflated at all times. For proper tire inflation when working under various conditions, refer to chart below. Use a low pressure tire gauge for accurate pressure readings.

Front	14 psi
Back	14 psi

Check tire pressure at least once a month. Over inflation may cause operator discomfort and excessive tire tracks on lawns or soft surfaces, while under inflation causes short tire life.

NOTE: After checking and/or inflating, replace and tighten valve caps to prevent air loss.

SEAT

Clean seat regularly, using a vinyl cleaner (not solvent). Extreme temperatures can damage seat when left unprotected against weather. If seat should tear, apply vinyl repair tape to protect damaged area.

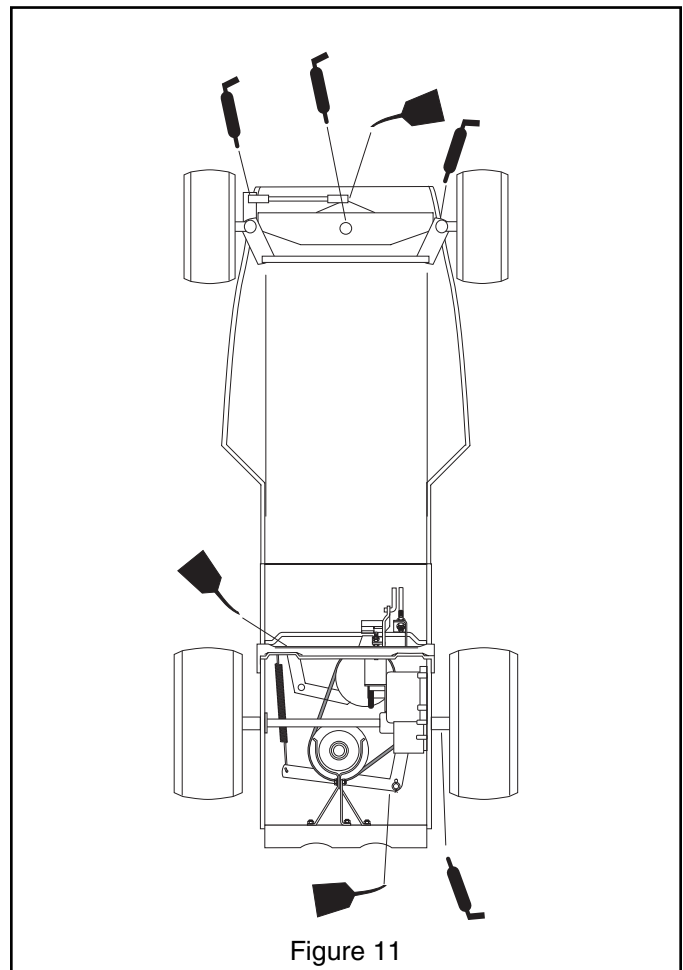
GENERAL LUBRICATION

IMPORTANT: Wipe each grease zerk fitting clean before and after lubrication. Keep grease and oil off belts to avoid slippage and deterioration.

Apply Sten Mix Hi-Temp Grease or equivalent to the lube fittings. Order P/N: 00036800 - three pack of 3 oz. cartridges or 00036700 - ten pack of 14 oz. cartridges.

Apply oil at lubrication points.

The steering system, front wheels, left rear wheel and linkage pivot points (figure 11) should be lubricated every 25 hours of operation, or twice each season, whichever occurs first.



MAINTENANCE SCHEDULE

The chart below shows the recommended maintenance schedule that should be performed on a regular basis. More frequent service may be required due to working conditions (heavy loads, high ambient temperatures, dusty conditions, or airborne debris).

See Engine Manuals for further maintenance and trouble shooting information.

MAINTENANCE SCHEDULE		Service Performed	Daily	25 ⌚	50 ⌚	100 ⌚
	✓ Fasteners		●			
	✓ Safety Interlock System		●			
	✓ Air Cleaner		●			
	✓ Engine Oil		●			
	Engine Oil		*	●		
	Foam Air Filter			●		
	✓ Tire Pressure			●		
	✓ Battery			●		
	✓ Battery Fluid			●		
	✓ Brake Adjustment			●		
	✓ Mower Blades			●		
	✓ Mower and Drive Belts			●		
	General Lubrication				●	
	Steering System, Front Axle and Mower Spindles				●	
	Engine Oil Filter			**	●	
	✓ Spark Plugs					●
	Fuel Filter					●
	Engine					●
	Paper Air Filter					●
	Clean Cooling Fins					●

* After first 2 Hours of operation

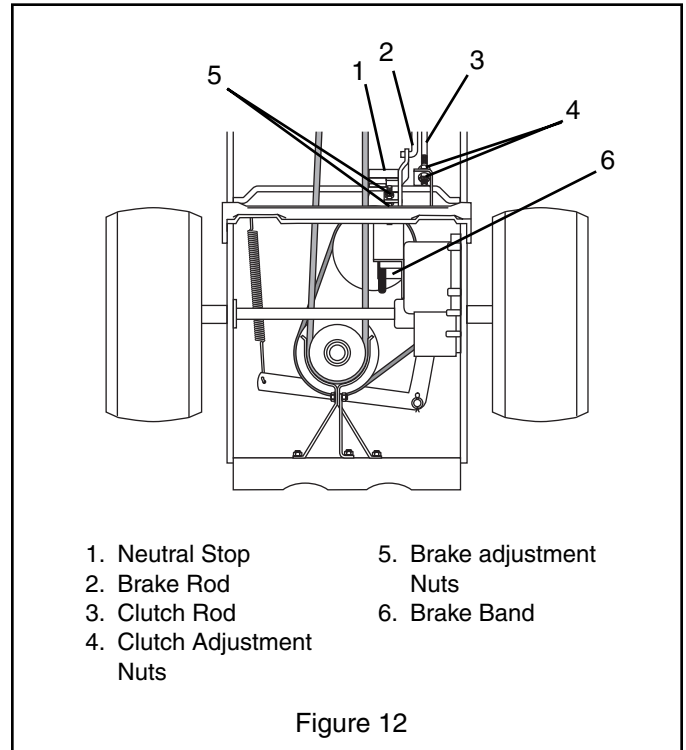
** After first 25 Hours of operation

ADJUSTMENTS

Ariens Company recommends that you have adjustments made by your Ariens dealer. They have the knowledge and tools to properly perform adjustments which may be required to keep your equipment operating at peak efficiency. Should you decide to make the following adjustments on your unit yourself, Ariens Company recommends that you call your dealer for answers to any questions that might arise.

Clutch and Brake

- Clutch and brake adjustments are dependent upon each other. If depressing Clutch and Brake Pedal fully does not stop riding mower and/or hold it on hill, brake must be adjusted.
- With Speed Selector in neutral (N), depress Clutch Pedal fully and engage Parking Brake.
- Adjust double nuts on clutch rod until carrier yoke clears neutral stop by 1/8 to 1/4 inch.
- Release Parking Brake and turn both rear wheels by hand. They should rotate freely in neutral (N) but not rotate with Speed Selector in any other position.
- Using two 1/2" wrenches (to avoid twisting or distorting brake band), hold inner adjusting nut with one wrench and loosen outer lock nut with the other.
- Turn rear wheel by hand while tightening inner adjustment nut until brake band just binds on hub. Back off adjusting nut by 1-1/2 turns and secure with locknut.
- Test by fully depressing Clutch Pedal and trying to turn wheels by hand. They should not turn.



Mower Belt

Adjust mower belt after first five (5) hours of operation.

To adjust 28" and 30 mowers:

1. Place height control lever in midnotch position, depress spring clip and tighten yoke on front of unit with a 3/4" socket wrench.
2. When tightening cap screw, hold Mower Clutch lever so that front edge of lever is positioned in line with rear edge of forward notch of quadrant.
3. Tighten belt just enough to prevent slippage under load. Mower Clutch lever (when tightening cap screw) will move slightly to rear of this point when tension is correct.

To adjust the 32" mower:

1. The 32" mower belt clutch rod should be adjusted so the compressed spring length is from 5-1/4" to 5-3/8" when belt is engaged (Figure 7).
2. Belt engagement should occur when front edge of Mower Clutch is positioned in line with rear edge of forward notch of quadrant (as viewed through slot in left side of cowl).
3. Full locked-in engagement should occur when lever is positioned completely into front notch of quadrant. (Some resistance should be felt when moving lever into notch.)

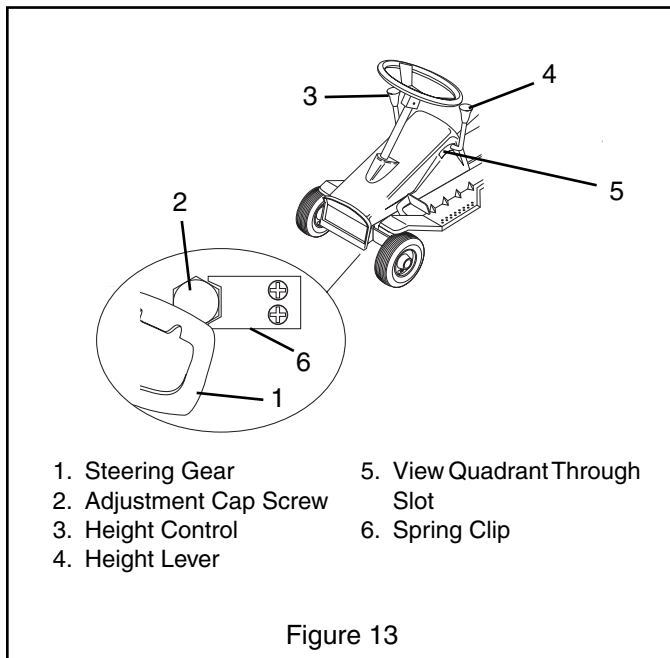


Figure 13

Mower Level (Side to Side)

To level mower pan:

Turn adjustment cap screw on adjustment lever clockwise to raise right side or counterclockwise to lower it.

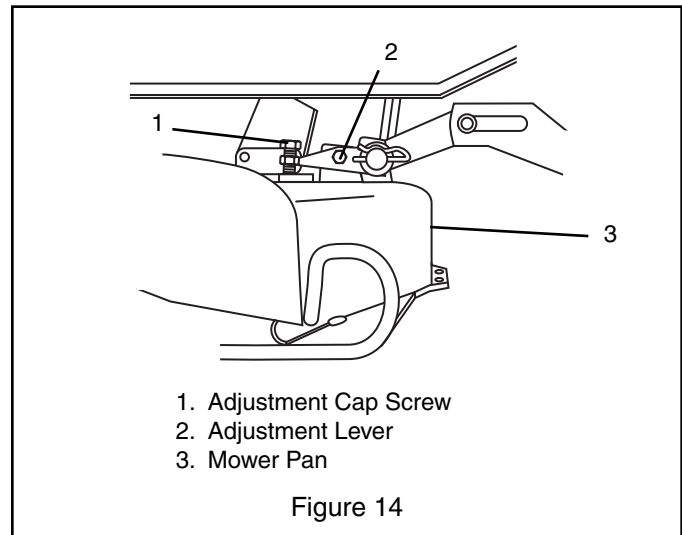


Figure 14

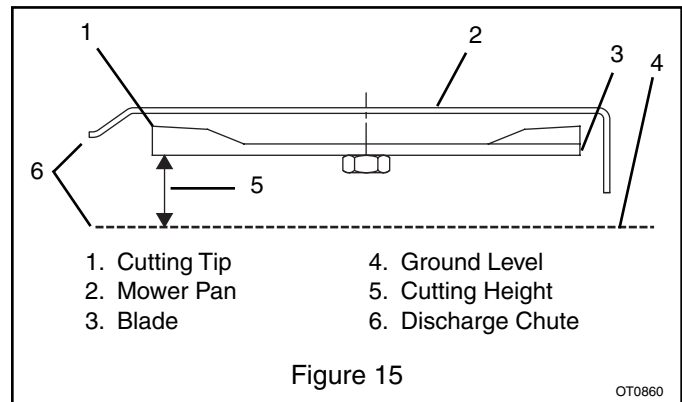


Figure 15

OT0860

Cutting Height



CAUTION

Rotate mower blade with Mower Clutch disengaged (OUT) and take measurements with Mower Clutch engaged (ON).

NOTE: A wood block (about 1" square by 5" long) may be used under pan for blade measurement. Wrap block with masking tape, mark tape with cutting edge of blade and measure distance from end of block to mark(s). This method avoids errors by having to read any measurements under pan.

NOTE: These adjustments should be made on a level surface with the tires inflated to the correct air pressure.

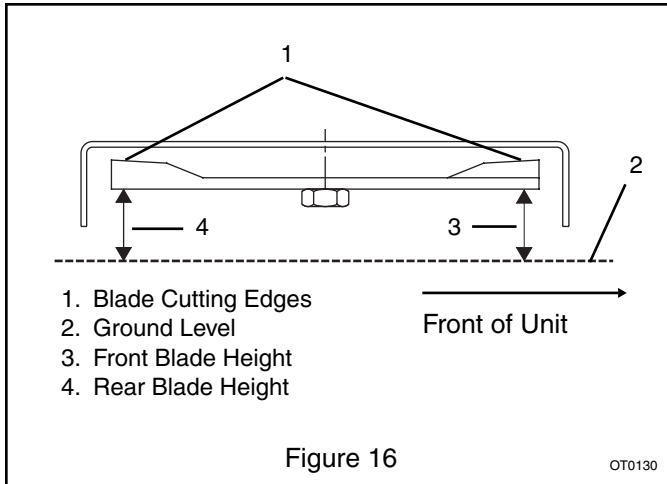
Cutting height range is 1.5" to 4.25". Place Tractor on a smooth, flat, level surface. Do the following:

1. With blade(s) positioned side to side, measure distance of blade(s) tips to floor at right and left side of mower pan.
2. Rotate blade(s) 180° and check again. The measurement should be equal within 1/8" side to side.

To correct for difference in height of blade tips from side to side,

3. Loosen nuts on adjustment levers (Figure 14).

- Turn adjustment cap screw clockwise on low side of mower pan to raise low side one half the difference in height.
- Turn adjustment cap screw counterclockwise on high side to lower high side the other one half of the height difference.
- Tighten nuts on adjustment levers.



Mower Pitch and Height

Proper blade pitch is when the blade tip, measured from the bottom surface (Figure 16), is 1/4" to 3/8" lower at front of mower pan than when same tip is at rear of mower pan.

Adjusting front lift link raises or lowers front of mower pan and changes both cutting height and pitch (Figure 9).

To adjust:

- Loosen jam nut on front link to allow for movement of coupling nut.
- Turn coupling nut clockwise to raise and counterclockwise to lower front of mower pan.
- Secure coupling in position by tightening jam nut.

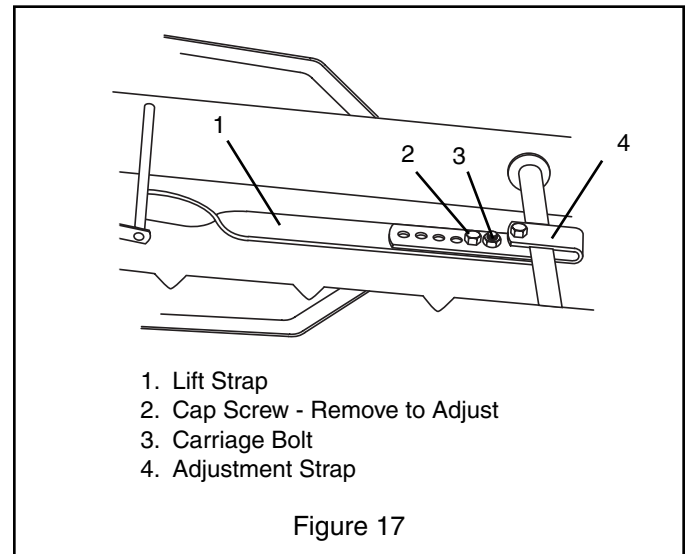
Adjusting rear lift links raises or lowers rear of mower pan and changes both cutting height and pitch (Figure 9).

To adjust:

- Loosen both lower jam nuts to allow for movement of upper jam nuts on lift rods.
- Turn both upper jam nuts on each lift rod equally to raise or lower rear of pan.
- Secure lift rods in position by tightening lower jam nuts.

If proper pitch cannot be obtained with front and rear lift links:

- Loosen nut on carriage bolt and remove cap screw holding lift strap and adjustment strap together (Figure 17).
- Slide lift strap and adjustment strap together to raise, or apart to lower rear of pan.
- Select tapped hole in lift strap that provides proper adjustment, install cap screw in tapped hole and tighten nut on carriage bolt to secure.



Anti-Scalp Rollers

See figure 1 for Controls and Features.

Secure rollers in middle position for average lawn mowing.

- Use lowest roller position when mowing in higher cutting heights and rough terrain to guard against most scalping.
- Use highest roller position when cutting at lowest cutting height.

For smoothest appearing cut when using frame suspended models with anti-scalp rollers, keep anti-scalp rollers adjusted to the minimum 1/2" above flat hard smooth surface after setting height of cut.

NOTE: The rollers are intended for anti-scalping, not for controlling cutting height.

CLEANING AND STORAGE

IMPORTANT: NEVER spray unit with water or store unit outdoors to aid in prevention of rust or corrosion. Water can seep into sealed bearings, which are sealed against dirt and debris only, causing reduced component life.

Keep all nuts, bolts and screws tight and know unit is in safe working condition. Check all hardware at regular intervals.

Inspection

Inspect unit for visible signs of wear, breakage or damage. Order any parts required and make necessary repairs to avoid delays when beginning use again.

Grass Bag

Remove Grass Bag and clean out all debris prior to storage. Grass Bag may be stored in position on mower. Keep Grass Bag dry during storage.

Battery

Fully charge battery and store in a cool dry location.

Engine

When storing mower for an extended period, refer to engine instruction for proper engine storage procedures.

Cleaning

Clean unit thoroughly. Touch up all areas to prevent rust. Matching touch up paint is available from your Ariens Dealer. Store mower in a cool, dry protected location.

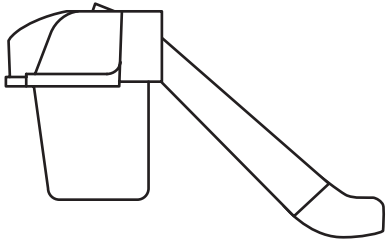
TROUBLE SHOOTING

Problem	Probable Cause
Starter will not operate when the ignition key is turned to the "S" position	Shift lever in gear (no spark). PTO engaged. Defective solenoid switch. Blown Fuse. Discharged battery. Loose battery cables. Defective starter. Faulty interlock switch.
Solenoid switch clicks but starter will not operate when the ignition is turned to the "S" position.	Discharged battery. Defective starter. Loose battery cable.
Engine starter operates but engine will not start when the ignition switch is turned to the "S" position.	Fuel tank empty. Fuel shut-off valve at the fuel tank turned off. Engine failure - See Engine Manual. Shift lever in gear (no spark). PTO engaged (no spark).
Engine starts but runs roughly.	Engine choke in "ON" position. Restricted air cleaner element. Restricted fuel cap vent. Engine carburetor malfunction - See Engine Manual. Engine electrical system trouble - See Engine Manual.
Engine stops when PTO or Fwd-Rev is engaged.	Operator presence seat switch not pressed. Faulty seat switch. Wiring to PTO switch incorrect.
The tractor will not move when the direction control lever or pedal is moved to "FORWARD" or "REVERSE" position.	Gear shift lever in "NEUTRAL" position. Fwd-Rev clutch needs adjustment. Transmission disconnect is in the disengaged position.
Attachment will not operate.	PTO belt is off.

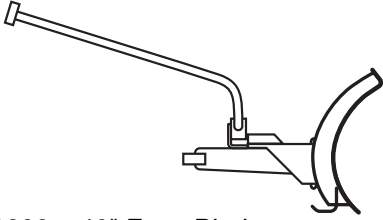
SPECIFICATIONS

Model Number	927053	927054	927046	927055	927056
Description	RM9028	RM9030	RM1028	RM1332	RM1330
Length - cm (in)	159 (62.5)				
Height - cm (in)	99 (39)				
Width - cm (in)	89 (35)	104 (41)	89 (35)	99 (39)	104 (41)
Actual Weight - kg(lbs)	168(370)			170(375)	168(370)
Battery	180 CCA				
Brakes	Drum				
Steering	Gear & Pinion				
Turning Radius - cm (in.)	66 (26)				
Max. Angle of Slope Operation	Not to exceed 10°				
Tire Size Front - cm (in.) Rear - cm (in)	4.10-3.50x4.00 16x6.5x8.00				
Engine	Briggs & Stratton				
HP	9 HP		10 HP	13 HP	
Starting System	Electric				
Fuel Tank Cap.	3 Qt.				
Fuel	Unleaded				
Idle RPM	1800				
Governed RPM	3250				
Crank Case Cap.	56 Oz.				
Air Cleaner	Paper Element/Foam Precleaner				
Engine Oil Type	SAE 30				
Spark Plug - mm (in.)	0,76 (0.30)				
Transmission	Sealed Case				
Speed - Forward Max. MPH (km/hr) Reverse Max. MPH (km/hr)	1.6-5.5 (2.6-8.8) 2.7 (4.3)				
Transmission Lube	150 Grease				
Drive Clutch	Disc-O-Matic				
Tire Pressure - Front Rear	14 14				
Lift System	Manual				
Power Take-off	Manual				
Mower Deck - Flex & Float	Standard				
High Performance	Standard				
Cutting Width - cm (in.)	71.1 (28)	76.2 (30)	71.1 (28)	81.3 (32)	76.2 (30)
Cutting Height - cm (in.)	3.8-11.4 (1.5-4.25)				
Cut Increments - cm (in.)	1.27 (0.5)				

ATTACHMENTS



82702000 – 2 Bucket Bagger 26"/30" Mowers
82702600 – 2 Bucket Bagger 28"/32" Mowers



82500200 – 40" Front Blade

ACCESSORIES

See your authorized dealer to add the additional accessories available for your unit.

703985	Tire Chains
727013	Dethatcher
727016	Front Weight
727034	Leaf Mulcher 30"
727035	28" Mulching Kit
727036	32" Mulching Kit

Be sure to always use genuine Ariens parts to keep your unit running like new.



Ariens Company
655 West Ryan Street
P.O. Box 157
Brillion, WI 54110-0157
920-756-2141
Fax 920-756-2407
www.ariens.com

2 Year Limited Warranty

Ariens Company warrants to the original purchaser that consumer products manufactured by Ariens Company will be free from defects in material and workmanship for a period of two (2) years after the date of purchase, and will repair any defect in material or workmanship, and repair or replace any defective part, subject to the conditions, limitations and exclusions set forth herein.

The two year duration of this warranty applies only if the product is put to ordinary, reasonable, and usual personal, family, or household uses. If the product is put to any business, commercial, or industrial use such as, but not limited to, commercial landscaping, mowing or snow removal services, or golf course or park maintenance, or agricultural or farmstead use, then the duration of this warranty is ninety (90) days after the date of purchase, or one (1) year after the date of purchase if the product is labeled as a Professional/Commercial Product. If any product is rented or leased, then the duration of this warranty is ninety (90) days after the date of purchase.

Genuine Ariens service parts and accessories not purchased with the product covered by this warranty, but which are later purchased and used with that product, are warranted to be free from defects in material and workmanship for a period of ninety (90) days after date of purchase, and Ariens Company will repair or replace any such part or accessory free of charge, except for labor, during that period.

This warranty is subject to the following conditions, limitations, and exclusions:

This warranty is valid only if the following conditions are met:

- The warranty registration card must be completed and returned to Ariens Company.
- The purchaser must perform maintenance and minor adjustments explained in the owner's manual.
- The purchaser must promptly notify Ariens Company or an authorized Ariens service representative of the need for warranty service.

This warranty is subject to the following limitations:

- The purchaser must transport the product to and from the place of warranty service.
- Warranty service must be performed by an authorized Ariens service representative. (To find an authorized Ariens service representative, contact Ariens Company at the number or address above.)
- Batteries are warranted only for a period of twelve (12) months after date of purchase, on a prorated basis. For the first ninety (90) days of the warranty period, a defective battery will be replaced free of charge. If the applicable warranty period is more than 90 days, Ariens Company will cover the prorated cost of any defective battery, for up to twelve(12) months after the date of purchase.

The following items are not covered by this warranty:

- Engines and engine accessories are covered only by the warranty made by the engine manufacturer, and are not covered by this warranty.
- If the product is equipped with a Peerless gearbox and/or transmission, the gearbox and/or transmission are covered only by the warranty made by Peerless, and are not covered by this warranty.
- Parts that are not genuine Ariens service parts are not covered by this warranty.
- Shoes, runners, scraper blades, shear bolts, mower blades, mower vanes, headlights, light bulbs, are not covered by this warranty.
- Any defect which is the result of misuse, alteration, improper assembly, improper adjustment, neglect, or accident, is not covered by this warranty.
- Products which were not purchased in the United States, Puerto Rico, or Canada are not covered by this warranty.

LIMITATION OF REMEDY AND DAMAGES

Ariens Company's liability under this warranty, and under any implied warranty that may exist, is limited to repair of any defect in workmanship, and repair or replacement of any defective part. Ariens Company shall not be liable for incidental, special, or consequential damages (including lost profits). Some states do not allow the exclusion of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

DISCLAIMER OF FURTHER WARRANTY

Ariens Company makes no warranty, express or implied, other than what is expressly made in this warranty. If the law of your state provides that an implied warranty of merchantability, or an implied warranty of fitness for particular purpose, or any other implied warranty, applies to Ariens Company, then any such implied warranty is limited to the duration of this warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Form: ALW2-111199



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