

MAN 4166082
Rev. A 11-2010

PARTS MANUAL: 4166081



MODELS:
932007G

FS481V KAWASAKI 32" CLASSIC PRO

933007G

FS481V KAWASAKI 36" CLASSIC PRO

934007G

FS481V KAWASAKI 48" CLASSIC PRO



OPERATOR'S MANUAL

CALIFORNIA

Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

⚠ WARNING

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

**Californie Proposition 65
Avertissement**

Les échappements des moteurs diesel et certains de leurs composés sont reconnus par l'Etat de Californie pour être cancérigènes, provoquer des défauts congénitaux et d'autres dangers en matière de reproduction.

⚠ AVERTISSEMENT

L'émission du moteur de ce matériel contient des produits chimiques que l'Etat de Californie considère être cancérigènes, provoquer des défauts congénitaux et d'autres dangers en matière de reproduction.

**California Advertencia
de la Proposicion 65**

El estado de California hace saber que los gases de escape de los motores diesel y algunos de sus componentes producen cáncer, defectos de nacimiento y otros daños en el proceso de reproducción humana.

⚠ ADVERTENCIA

El estado de California hace saber que los gases de escape de este producto contienen productos químicos que producen cáncer, defectos de nacimiento y otros daños en el proceso de reproducción humana.

CALIFORNIA

Proposition 65 Warning

Battery posts, terminals, wiring insulation, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
WASH HANDS AFTER HANDLING.

IMPORTANT MESSAGE

Thank you for purchasing this Schiller Grounds Care, Inc. product. You have purchased a world class mowing product, one of the best designed and built anywhere.

This machine comes with an Operation and Safety Manual and a separate Setup, Parts and Maintenance Manual. The useful life and good service you receive from this machine depends to a large extent on how well you read and understand these manuals. Treat your machine properly, lubricate and adjust it as instructed, and it will give you many years of reliable service.

Your safe use of this Schiller Grounds Care, Inc. product is one of our prime design objectives. Many safety features are built in, but we also rely on your good sense and care to achieve accident-free operation. For best protection, study the manuals thoroughly. Learn the proper operation of all controls. Observe all safety precautions. Follow all instructions and warnings completely. Do not remove or defeat any safety features. Make sure those who operate this machine are as well informed and careful in its use as you are.

See a Schiller Grounds Care, Inc. dealer for any service or parts needed. Schiller Grounds Care, Inc. service ensures that you continue to receive the best results possible from Schiller Grounds Care, Inc. products. You can trust Schiller Grounds Care, Inc. replacement parts because they are manufactured with the same high precision and quality as the original parts.

Schiller Grounds Care, Inc. designs and builds its equipment to serve many years in a safe and productive manner. For longest life, use this machine only as directed in the manuals, keep it in good repair and follow safety warnings and instructions. You'll always be glad you did.

Schiller Grounds Care, Inc.
One Bob Cat Lane
Johnson Creek, WI 53038-0469

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NOTICE !!!

Unauthorized modifications may present **extreme** safety hazards to operators and bystanders and could also result in product damage.

Schiller Grounds Care, Inc. strongly warns against, rejects and disclaims any modifications, add-on accessories or product alterations that are not designed, developed, tested and approved by Schiller Grounds Care, Inc.'s Engineering Department. Any Schiller Grounds Care, Inc. product that is altered, modified or changed in any manner not specifically authorized after original manufacture—including the addition of “after-market” accessories or component parts not specifically approved by Schiller Grounds Care, Inc.—will result in the Schiller Grounds Care, Inc. Warranty being voided.

Any and all liability for personal injury and/or property damage caused by any unauthorized modifications, add-on accessories or products not approved by Schiller Grounds Care, Inc. will be considered the responsibility of the individual(s) or company designing and/or making such changes. Schiller Grounds Care, Inc. will vigorously pursue full indemnification and costs from any party responsible for such unauthorized post-manufacture modifications and/or accessories should personal injury and/or property damage result.



This symbol means:
ATTENTION!
BECOME ALERT!

Your safety and the safety of others is involved.

Signal word definitions:

The signal words below are used to identify levels of hazard seriousness. These words appear in this manual and on the safety labels attached to Schiller Grounds Care, Inc. machines. For your safety and the safety of others, read and follow the information given with these signal words and/or the symbol shown above.

DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.

WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.

CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate injury. It may also be used to alert against unsafe practices or property damage.

CAUTION

CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, **MAY** result in property damage.

Schiller Grounds Care, Inc.

One Bobcat Lane
Johnson Creek, WI 53038 U.S.A.
Phone: 920-699-2000
Fax: 920-699-3683

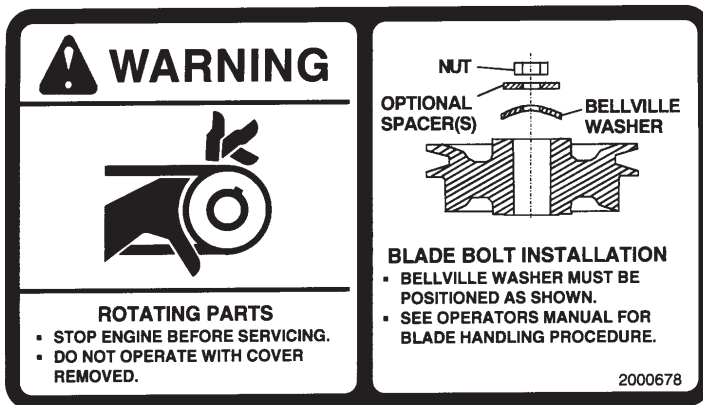
MODEL NUMBER

SERIAL NUMBER

MODEL NUMBER: This number appears on sales literature, technical manuals and price lists.

SERIAL NUMBER: This number appears only on your mower. It contains the model number followed consecutively by the serial number. Use this number when ordering parts or seeking warranty information.

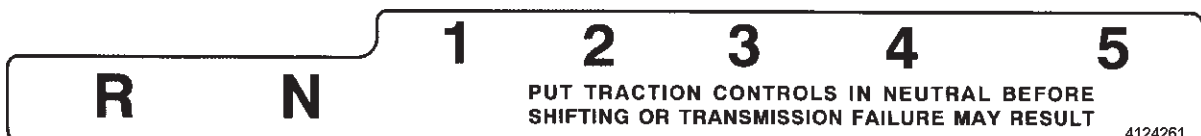
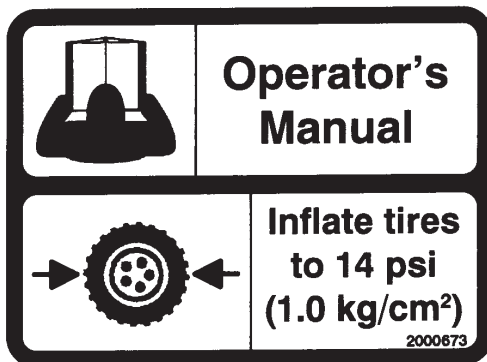
Located on the right hand side of the engine deck face up.

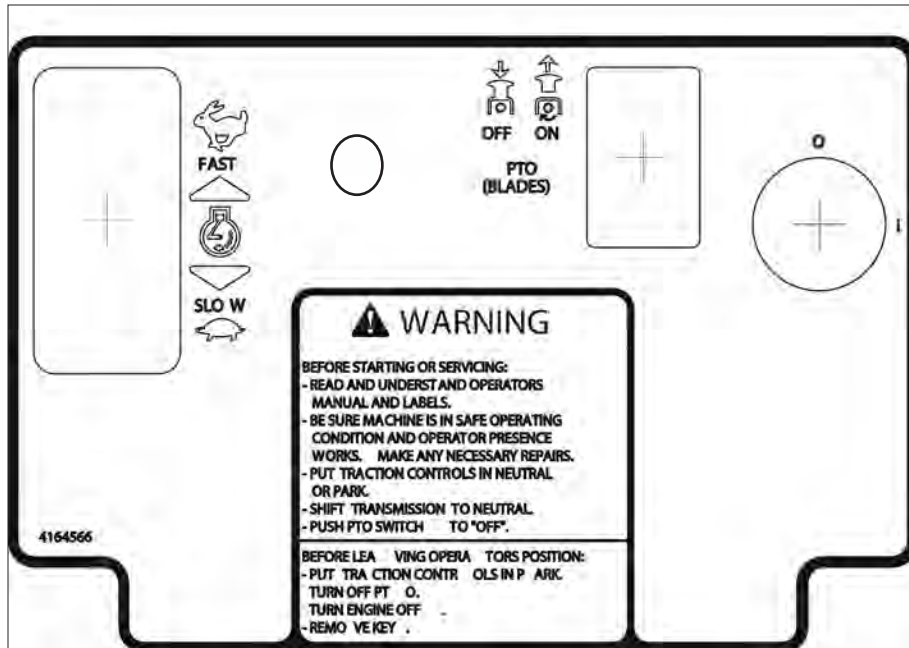


Manufactured under one or more
of the following U.S. patents:

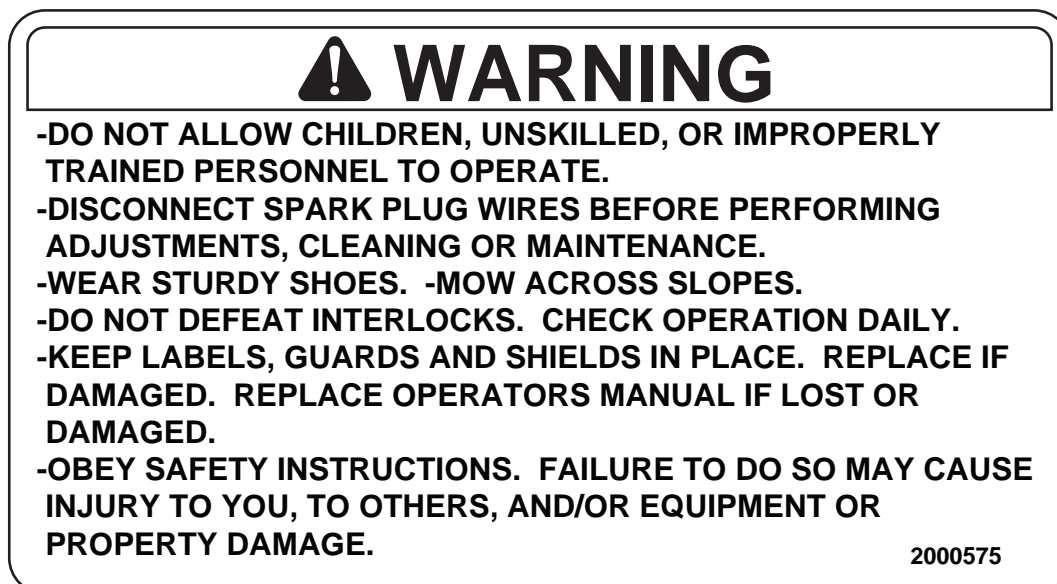
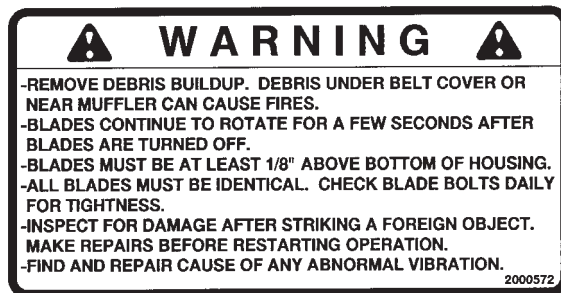
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Before using machine for the first time, check engine and gearbox fluid levels and lubricate all points.

TRAINING

- a) Read the operator's manual carefully. All rotary grass cutters are potentially dangerous. No person should operate the machine unless they are familiar with the controls and the proper use of the machine.
- b) Never allow children or people unfamiliar with these instructions to use the mower. Local regulations may restrict the age of the operator.
- c) Keep the area of operation clear of all persons, particularly small children, and pets.
- d) Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.



PREPARATION

- a) Do not operate the equipment when barefoot or wearing open sandals. Always wear substantial footwear and long trousers.
 - b) Wear hearing protection.
 - c) Thoroughly inspect the area where the equipment is to be used and remove rocks, toys, wire or other debris which may be picked up or thrown by the machine.
 - d) Gasoline is flammable; gasoline vapors are explosive. Use extra care when handling.
- Store only in containers specifically designed for fuel.
 - When refueling or checking fuel level:
 - Stop the engine and allow to cool;
 - Do not smoke;
 - Refuel outdoors only;
 - Use a funnel;
 - Do not overfill;
 - If fuel is spilled, do not attempt to start the engine until the spill is cleaned up and vapors have cleared.
 - Do not fill containers in a vehicle or on a truck or trailer bed with a plastic liner. Fill containers on the ground away from the vehicle.
 - When practical, remove gas powered equipment

from the truck or trailer and refuel it on the ground. If equipment must be refueled on the truck or trailer, refuel from a portable container rather than a dispenser nozzle.

- Keep the dispenser nozzle in contact with the rim of the fuel tank or container opening until fueling is complete. Do not use a nozzle lock-open device.
 - Replace caps on fuel cans and tanks securely.
- e) Replace faulty mufflers.
 - f) Before using, always visually inspect to see that the blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts.
 - g) On multi-bladed machines, take care as rotating one blade can cause other blades to rotate.
 - h) Disengage the self-propelled mechanism or drive clutch on units so equipped before starting the engine (motor).
 - i) Never attempt to make adjustments while the engine (motor) is running.
 - j) Never operate the equipment in wet grass. Always be sure of your footing; keep a firm hold on the handle and walk; never run.



OPERATION

- a) Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect.
- b) Mow only in daylight or in good artificial light.
- c) Always be sure of your footing on slopes.
- d) Walk, never run.
- e) With walk behind machines, mow across the slopes, not up and down.
- f) Exercise extreme caution when changing direction on slopes.
- g) Do not mow excessively steep slopes.
- h) Use extreme caution when reversing or pulling the mower towards you. Be sure the area behind is clear.
- i) Stop the blades if the mower has to be tilted for transportation, when crossing surfaces other than grass and when transporting the mower to and from the area to be mowed.
- j) Never operate the mower without proper guards, plates, grass catcher or other safety protective devices in place.
- k) Do not change the engine governor settings or overspeed the engine.
- l) Disengage all blades and drive clutches before starting the engine.
- m) Start the engine or switch on the motor carefully according to instructions and with feet well away from the blades.
- n) Do not start the engine when standing in front of the discharge chute.
- o) Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
- p) Never pick up or carry a mower while the engine is running.
- q) Stop the engine, wait for the blades to come to a complete stop, and disconnect the spark plug wire:
 - before clearing blockages or unclogging chute.
 - before checking, cleaning or working on the mower.
 - after striking a foreign object. Inspect the mower for damage and make repairs before restarting and operating the mower.
 - if mower starts to vibrate abnormally (check immediately for the cause). Vibration is generally a warning of trouble.
- r) Stop the engine:
 - whenever you leave the mower.
 - before refuelling.
- s) Shut the engine (motor) off and wait until the blade comes to a complete stop before removing the grass catcher.
- t) Reduce the throttle setting during engine shut down and, if the engine is provided with a shut-off valve, turn the fuel off at the conclusion of mowing.
- u) Go slow when using a trailing seat.
- v) Keep washout ports and other mower-housing service openings closed when mowing.
- x) Do not engage blades at full throttle. Use engine speed halfway between idle and full throttle.
- y) Do not start the cutting blades until you are ready to start mowing.
- z) Do not carry passengers.
- aa) Do not operate where flying debris may injure people or damage property. Keep people and pets at a safe distance.
- ab) Do not use if there are any doubts about safety.
- ac) Keep labels, guards and shields in place. Replace operators manual if lost or damaged.
- ad) Obey safety instructions. Failure to do so may cause injury to yourself or others.
- ae) Do not defeat interlocks. Check operation daily.
- af) Do not allow children, unskilled or untrained persons to operate machine.



OPERATING ON SLOPES

USE EXTRA CARE WHEN WORKING ON SLOPES

- With walk behind machines, mow across slopes, **not** up and down. With ride-on machines, mow up and down slopes, **not** across, except for zero turn machines. Zero turn machines should mow across slopes.
- Be alert to dips and rises which change the general slope. Watch for holes, rocks and roots in the terrain and other hidden hazards. Keep away from drop offs. Avoid ground conditions which will cause the machine to slide.
- If the operator is uncomfortable or unsure of the machines stability, operation on these slopes should cease immediately.
- The ultimate responsibility for safe operation on slopes, rests with the operator.
- Use lower speeds and exercise extreme caution on slopes and especially in sharp turns to prevent tipping and loss of control. Use extra caution when changing direction on slopes.



LEAVING THE DRIVING POSITION

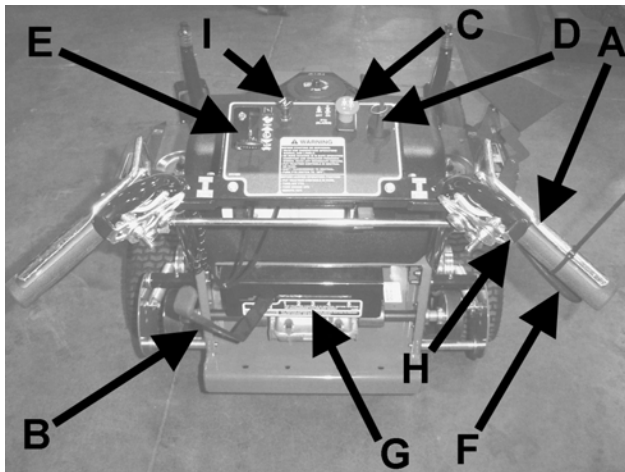
Park the machine on level ground. Before leaving the driving position, stop the engine, make sure all moving parts are stationary and that the traction control levers are in the neutral position. Apply parking brake, if so equipped.

MAINTENANCE AND ADJUSTMENTS

- Disconnect spark plug wire(s) before doing any maintenance.
- Particular care must be taken when adjusting the carburetor while the engine is running. Keep hands and feet clear. Shut off PTO.
- When working underneath lifted parts or machines, make sure adequate support is provided.
- Do not dismantle the machine without releasing or restraining forces which can cause parts to move suddenly.
- Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.
- Check the grass catcher frequently for wear and deterioration.
- Replace worn or damaged parts for safety.

STORAGE

- Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark.
- Allow the engine to cool before storing in any enclosure.
- To reduce the fire hazard, keep the engine, muffler, battery compartment (if equipped) and gasoline storage area free of grass, leaves or excessive grease.
- If the fuel tank has to be drained, this should be done outdoors.
- Use only replacement parts supplied by the original manufacturer.



OPERATOR PRESENT CONTROL LEVERS (A)

Hold operator present (OP) control levers **A** down for blade operation and to shift transmission out of neutral. If the PTO switch is engaged or if the transmission is shifted out of neutral and the OP control levers **A** are not held down, the engine will kill.

SHIFT LEVER (B)

Forward, neutral and reverse speeds are selected by moving the shift lever **B** to the desired position indicated on the gear selector plate **G**. The higher numbers in forward indicate faster speeds.

PTO SWITCH (C)

- Drive to the cutterdeck is engaged when the PTO switch **C** is pulled up toward the operator (ON) and disengaged by pushing the PTO switch back down (OFF).
- Disengage drive to cutting blades whenever you stop or leave the operators position.
- Shut off engine and remove spark plug wire before making adjustments or unplugging mower.
- **DO NOT START CUTTING BLADES UNTIL READY TO START MOWING.**

KEYSWITCH (D)

Turn key clockwise, to allow engine to be started. Turn key counterclockwise to stop engine.

THROTTLE (E)

By moving the throttle lever forward towards the engine, engine speed is increased until the maximum governed R.P.M. is obtained at the detent. By moving the throttle lever back, the engine will idle down.

CHOKE (I)

Pull to close choke. Push to open choke.

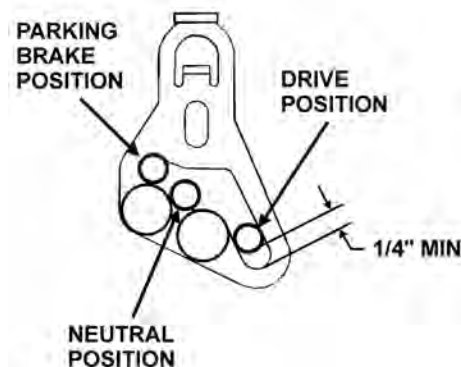
TRACTION CONTROL LEVERS (F)

The traction control levers have five functions:

1. To provide a neutral position to maneuver the machine manually. See Traction Lock illustration below.
2. To engage drive to the wheels—gradually release the traction control levers to take up the drive.
3. To apply the brakes—pull the traction control levers up until the brakes engage.
4. To steer the unit, pulling the RH lever will initiate a RH turn and the LH lever a LH turn.
5. To engage parking brake: Pull the traction control levers all the way up into the brake position. Push down on traction lock **H** with thumb and rotate to lock in brake position. Each wheel works independently of each other. Both locks must be in same position (either NEUTRAL or PARKING BRAKE) to work properly.

NOTES:

- Both traction control levers must be released at the same time in order to go straight ahead. Using one traction control lever will cause the machine to turn to one side.
- When using the traction locks to provide a neutral position be sure the traction control rods are fully seated in the Neutral Position of the traction locks. Failure to do this may result in serious injury.
- When using traction locks **H**, push down with thumb for easier operation.



Traction Lock

BEFORE STARTING THE ENGINE

- Disengage cutterdeck drive.
 - Lock traction locks in neutral/parking brake position.
 - Shift gearbox to neutral.
1. Check the oil level and add if necessary. Open the fuel valve under the middle of the fuel tank.
 2. For cold starts, pull knob (I) to choke.
 3. Pull the rope operated recoil starter firmly to start the engine. Allow the rope to recoil slowly before releasing the handle.
 4. As soon as the engine starts, gradually push in until the engine is warm enough to run with no choke at all.

OPERATING THE MACHINE

- Practice at slow engine and gearbox speeds with the blade control disengaged until completely familiar with the controls.
- For normal use the throttle should be kept fully open. By using the gearshift lever to speed up or slow down the machine during use, maximum control and cutting efficiency can be maintained.
- Using the machine at less than full throttle in heavy conditions will cause the engine to labor and result in excessive wear.
- For maneuvering where the gearbox does not give the required speed, partial throttle may be used.
- Steering is controlled by the operation of the traction control levers. To steer the machine to the left, disengage drive to the LH wheel by pulling up the LH traction control lever. To steer to the right, disengage drive to the RH wheel by pulling up the RH traction control lever.
- To shift into gear or change speeds, depress the operator present controls then raise the traction control levers to the neutral position to disengage the drive to both wheels and remove the load from the drive system. Shift to the desired speed.

IMPORTANT:

The Peerless Model 700 transmission installed in this machine will provide good service. Like any manual transmission the Peerless Model 700 must be declutched when it is shifted. Failure to declutch the wheel drive with the traction control levers when shifting can cause failure of the shifting mechanism. Such abusive failure is not covered under warranty by either Schiller Grounds Care, Inc. or Peerless.

- Abusive failure of the shifting mechanism is easy to spot. Units will produce a ratcheting or clicking sound when shifted into gear and the machine will not move. Upon disassembly of the gearbox, shifter keys will show rounded corners, or units will become difficult to shift due to burrs on the shifter keys. Attempts to force the machine to shift may bend the shifter fork assembly.

FUEL TANK

WARNING GASOLINE IS HIGHLY FLAMMABLE!

- Fill fuel tank with good quality, clean, regular unleaded gasoline.
- Do not use hi-test fuel.
- Do not smoke.
- Do not spill fuel.
- Fill outdoors.
- Do not overfill. Fill to 1" below bottom of filler neck to allow room for expansion.
- USE A FUNNEL TO FILL GAS TANK.

DRIVING THE MACHINE IN TRANSPORT

1. Disengage cutterdeck with PTO switch. Depress the operator present controls. Move the gearshift lever to give the desired forward speed.
2. Release the traction locks and gradually engage both traction control levers together.

NOTE: Engaging only one traction control lever will cause the machine to turn to one side.

CUTTING WITH THE MACHINE

1. Put the discharge chute in position or correctly fit a grass collector or mulching plate before starting to cut.
 2. Depress the operator present controls.
 3. Engage the cutterdeck with PTO switch (Do not engage blades at full throttle. Use engine speed halfway between idle and full throttle).
 4. Increase engine speed to maximum governed RPM.
 5. Move the gearshift lever to the required cutting speed. Release the traction locks and gradually engage both traction control levers together.
 6. Operate so that clippings are discharged onto the area that has been cut. This will result in a more even distribution of clippings and more uniform cutting.
- When mowing large areas, start by turning to the right so that clippings will be discharged away from shrubs, fences, driveways, etc. After two or three rounds, mow in the opposite direction, left hand turns, until finished.
 - If grass is extremely tall, it should be mowed twice, the first cut relatively high, the second cut to the desired height.
 - Use the left side of the mower for trimming.

TO STOP THE MACHINE

1. Pull traction control levers up until brakes engage.
2. Engage the traction locks to parking brake position.
3. Disengage the cutterdeck with PTO switch.
4. Shift transmission to neutral.
5. Close the throttle to slow the engine, turn engine off with the keyswitch.

NOTE: When the machine is transported by truck or trailer or left to stand unused, the fuel valve (under the fuel tank) should be turned off. This avoids the possibility of flooding should any dirt get under the carburetor float needle. Leaving the fuel valve open can allow severe flooding which may ruin the engine by diluting the oil.

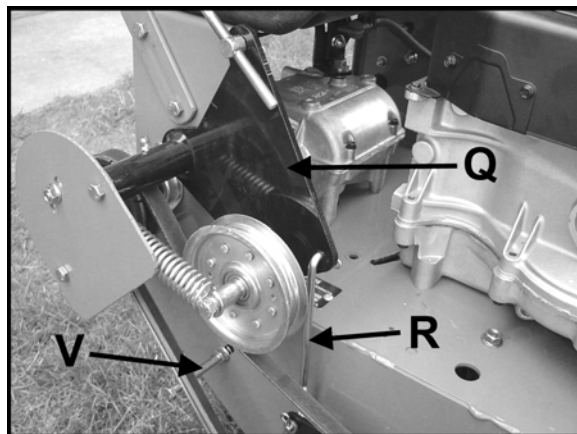
WARNING

PREVENT INJURY OR PROPERTY DAMAGE FROM THROWN OBJECTS OR FROM CONTACT WITH THE BLADE

- Keep body parts away from blades.
- Stop engine and let blades stop before removing grass collector or unclogging chute.
- Keep area clear of people and pets.
- Remove objects blade may strike and throw.
- Stop blades to cross gravel areas.
- Do not operate without chute, mulcher or entire grass collector in place.

Make all adjustments with the engine shut off, spark plug wire disconnected and mower drive disengaged.

The cutting height is determined by the position of the blades in relation to the wheels. Variation to this height may be made at TWO points. (See HEIGHT OF CUT CHART on page 12.)

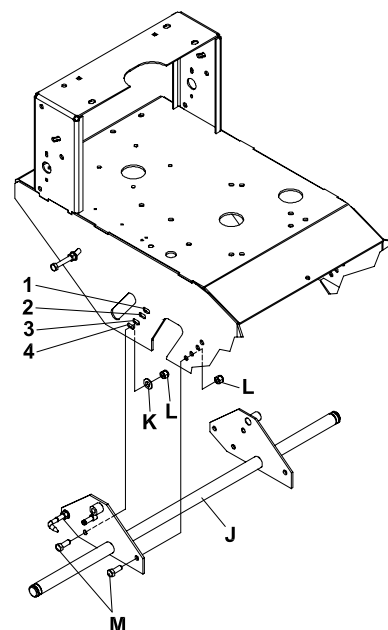


1. THE AXLE POSITION

1. Support the rear of the unit with jackstands or other suitable means.
2. Remove brake rod **R** from bellcrank **Q**.
3. Remove (4) bolts **M**, (2) washers **K** and (4) nuts **L**.
4. Place the axle **J** in the desired position according to the Height of Cut Chart on page 12.
5. Install the bolts, washers and nuts removed in step 3.

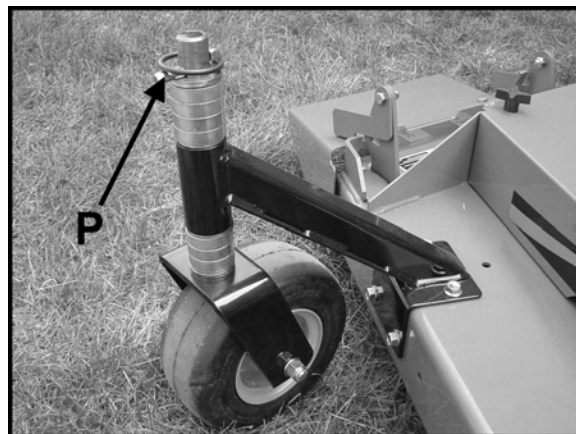
NOTE: Install the washers **K** on the bolts in the slots.

6. Install the brake rod **R** onto bellcrank **Q**.
7. Adjust brakes and belt guide **V** as shown in the ADJUSTMENT section.

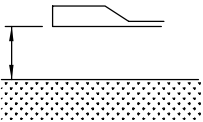
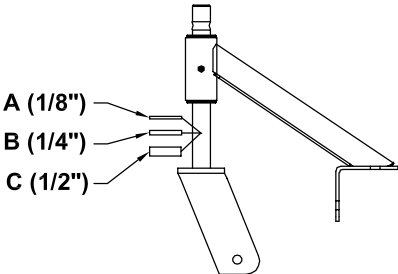
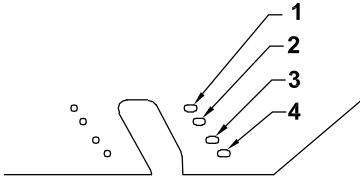


2. THE CASTER WHEELS

1. Remove the quick pin **P** from the top of the caster wheel pivot spindle.
2. Place required spacers above or below wheel support bracket and replace the quick pin **P**.



HEIGHT OF CUT CHART

HEIGHT OF CUT CHART				
				
CUTTING HEIGHT (INCHES)	A	B	C	AXLE POSITION
1.50	1	0	1	1
1.75	0	1	1	1
2.00	0	0	2	1
2.25	0	1	2	2
2.50	1	0	3	2
2.75	0	1	3	2
3.00	0	0	4	3
3.25	1	1	4	3
3.50	0	0	5	3
3.75	0	1	5	3
4.00	0	0	6	4
4.25	0	1	6	4
4.50	1	0	7	4

NOTE: Use only these combinations of settings. If any other setting is used, quality of cut will suffer because of wrong blade angle. These height of cut charts were developed in a controlled workshop environment. Slight variations can occur in the field, depending on tire pressures, etc. Make sure front of blade is lower than back of blade to prevent double cutting. Adjustment is provided by removing 1/8" washer beneath caster support.

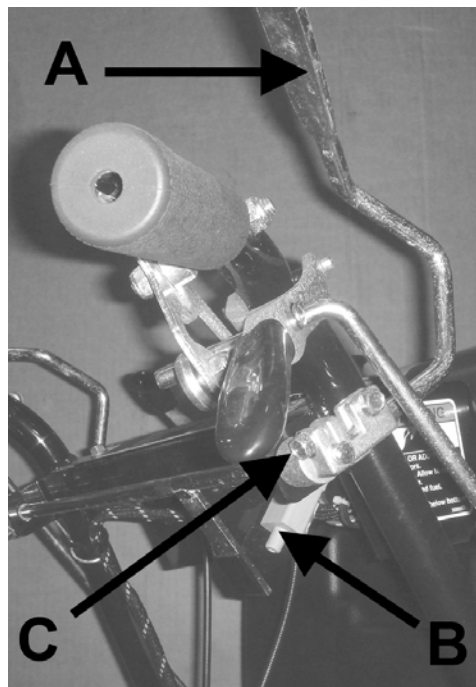
Make all adjustments with the engine shut off, spark plug wire disconnected and mower drive disengaged.

OPERATOR PRESENT CONTROL LEVERS

The operator present (OP) control levers should be adjusted to control the operation of the plunger of the operator present switch **B** (located under the right side of the control panel). Depressing OP control levers **A** should depress the plunger; releasing the levers should extend it.

TO ADJUST:

1. Loosen clamp bolts **C** on both ends so clamps can rotate on shaft.
2. Rotate actuator lever to depress switch plunger. Keep OP control levers against handles and tighten bolts **C**.
3. When released, the OP control levers **A** should rise and the actuator lever should rotate away from the switch, allowing the switch plunger to extend completely.



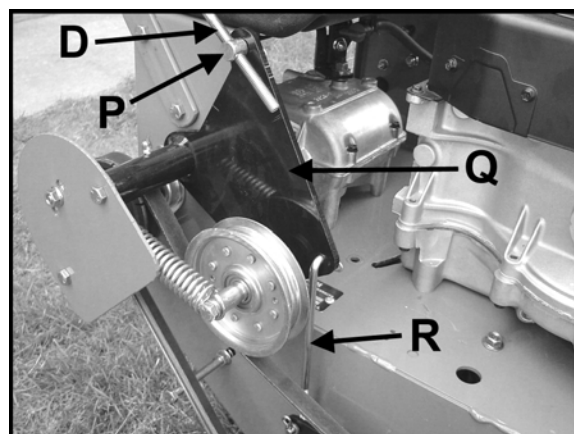
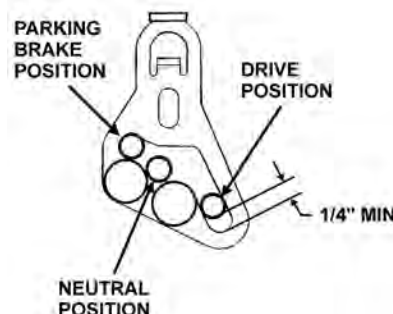
TRACTION RODS AND WHEEL BELT TENSION

There should be a 1/4" minimum gap between the traction control rod and the bottom of the drive slot when the drive is engaged and the traction control lever is pushed down. If there is no gap the rod will hold the wheel belt idler up and the belt may slip. Too much gap makes it difficult to get adequate braking and free-wheeling neutral when traction locks are in the neutral position. The gap may be increased from 1/4" as long as the machine will free wheel in neutral. Increasing the gap reduces the reach to the traction lever.

TO ADJUST:

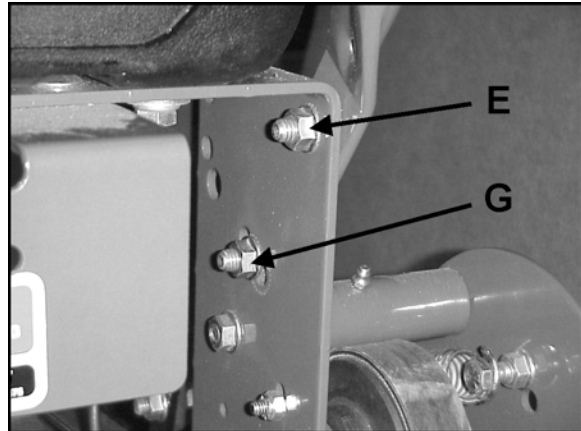
1. Disconnect the brake rod **R** with the traction control lever in the drive position.
2. Remove hairpin cotter from the swivel **P** on the traction control rod **D**.
3. Lift out the rod and turn the swivel in or out obtain a 1/4" gap on the traction control lever in the drive position.
4. Refit the swivel to the idler bellcrank **Q** and replace the hairpin cotter.
5. Check the gap with traction control lever pressed down in the drive position. If it is still not 1/4", repeat the procedure until an approximate 1/4" gap is obtained.

6. Reconnect the brake rod. (See Traction Brake section).



UPPER HANDLE HEIGHT ADJUSTMENT

To adjust upper handle height: Remove the traction control rods. Remove bolts **G** and loosen bolts **E** on each side of the lower handle. Raise or lower as required. Reposition upper handle and reinsert bolts **G** into appropriate hole in lower handle and tighten. Readjust traction control rods, brakes and parking brakes.



TRACTION BRAKES/PARKING BRAKES

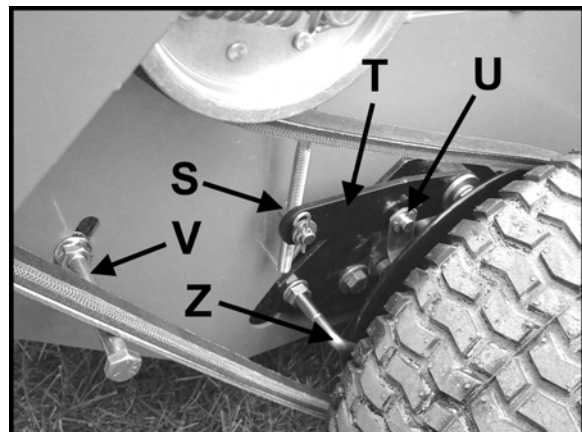
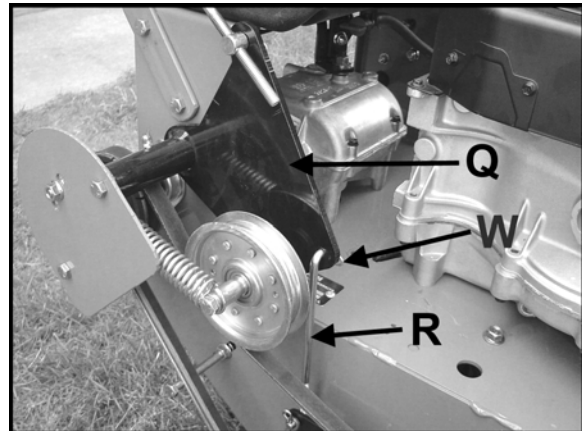
With the traction control rods properly adjusted, apply both parking brakes and try to push the machine forward. If one or both wheels rotate, adjust the corresponding brake(s).

TO ADJUST:

1. Set the traction control lever in the neutral position.
2. Remove the hairpin cotter **W** from the brake rod **R** on idler bellcrank **Q**.
3. Adjust the brake rod by turning it in or out of the swivel pin on the brake arm until it just goes into the bellcrank hole.
4. Reassemble the brake rod to the bellcrank.
5. Check the adjustment. DO NOT OVER ADJUST. If necessary, repeat the procedure until the correct adjustment is achieved.
6. If adequate adjustment can not be achieved with the brake rod, the links **U** between the brake arm **T** and brake band may be moved to a different hole in the brake arm.
7. Adjust belt guide **V** to remove any sag in the drive belt between the drive pulley and the wheel pulley.

When the brakes are properly adjusted the machine can be freely maneuvered with the traction control levers in the neutral position. If not, the brakes have been over-adjusted and have to be backed off.

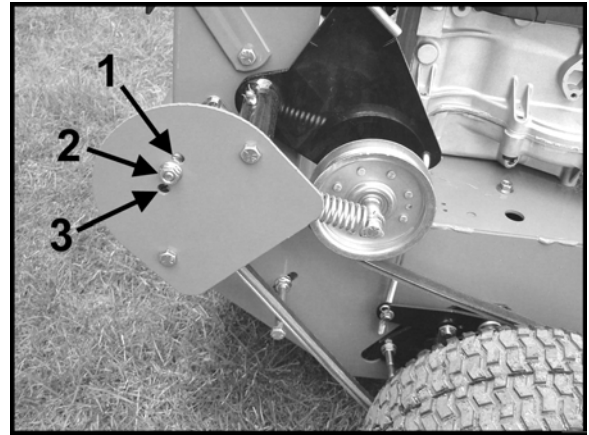
NOTE: Clean inner groove of wheel drive pulley and belt daily for better drive and neutral. Accumulation of grass, mud or other debris in pulley groove can affect declutching. Set mud scraper **Z** at each wheel drive pulley to angle down to catch debris.



DRIVE BELT TENSION ADJUSTMENT

Drive belt tension can be adjusted to one of three settings to account for various mowing conditions.

1. Adjust by moving the spring anchor bolt to position 1, 2 or 3.
- Position 1 will provide the least amount of hand effort and wheel traction.
 - Position 3 will provide the highest amount of hand effort and wheel traction.



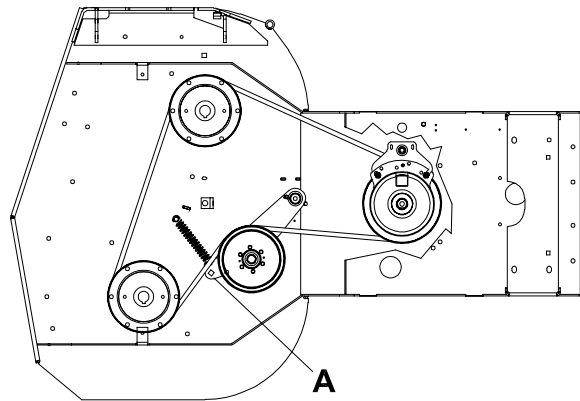
TIRE PRESSURE ADJUSTMENT

Tire pressures should be maintained at 14 psi (96 kPa).

NOTE: Adjusting tire pressure between 10 psi (69 kPa) and 28 psi (193 kPa) can improve tracking. Increase pressure on the side the machine tracks toward and decrease it on the other side.

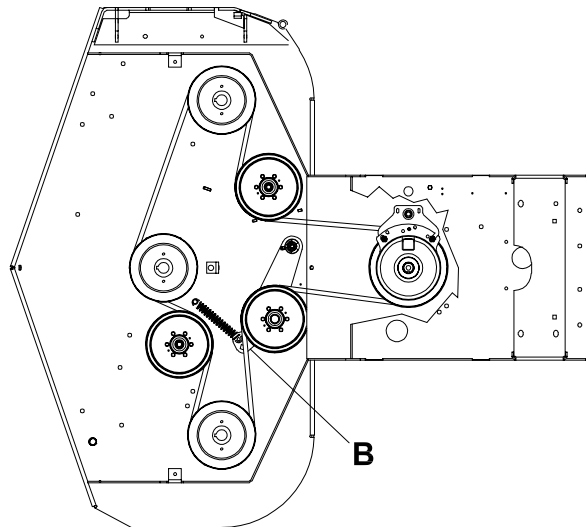
32" & 36" CUTTERDECK PTO BELT

1. Rotate idler arm **A** counterclockwise using a 3/8" ratchet or breaker bar and remove belt.
2. Install belt as shown.



48" CUTTERDECK PTO BELT

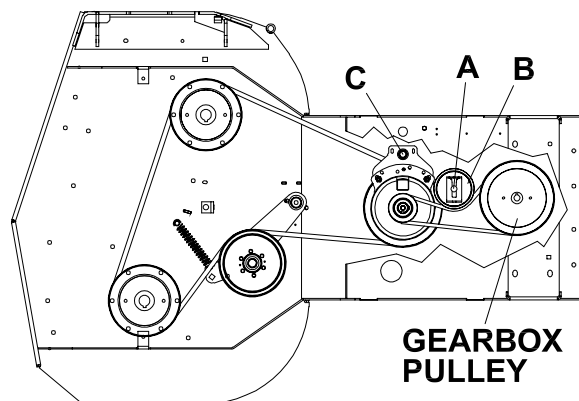
1. Rotate idler arm **B** counterclockwise using a 3/8" ratchet or breaker bar and remove belt.
2. Install belt as shown.



GEARBOX-DRIVE BELT

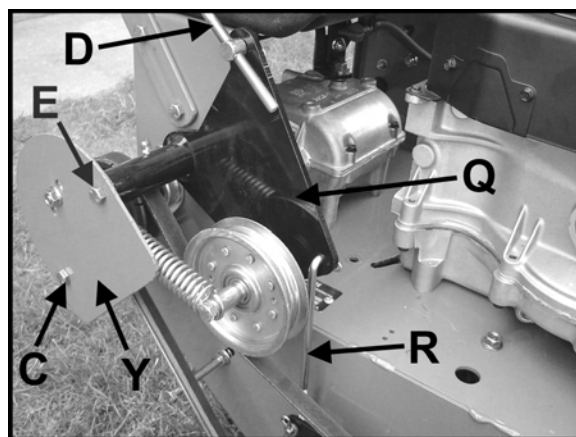
1. Loosen nut on carriage bolt **A**.
2. Slide idler pulley **B** away from belt.
3. Unbolt clutch stop pin **C**.
4. Remove PTO belt.
5. Remove gearbox drive belt.
6. Replace by following steps in reverse order.

NOTE: Push idler pulley B toward gearbox drive belt until gearbox drive belt is snug.



WHEEL-DRIVE BELT

Remove brake rod **R** and traction control rod **D** from bellcrank **Q**. Remove bottom bolt **C** and spacer from fender **Y** and loosen the bolt **E** that holds bellcrank. Rotate bellcrank and idler up and out of the way. The wheel drive belt will be slack enough to be removed from its pulleys and passed over the drive wheel. Replace in the reverse order, readjust traction control rod and brake rod. (Also see Traction Rods and Wheel Belt Tension in ADJUSTMENTS section.)



CONSTRUCTION:

10 AND 7 GAUGE STEEL DECK WELDED SINGLE UNIT, BAFFLED DECK FOR HIGH VELOCITY AIR FLOW, LARGE DISCHARGE OPENING WITH CHUTE GUARD DEFLECTOR.

TRANSMISSION:

5 SPEED MODEL 700 PEERLESS GEARBOX WITH REVERSE.

1st gear	1.9 mph (3.1 km/h)
2nd gear	2.6 mph (4.2 km/h)
3rd gear	3.4 mph (5.5 km/h)
4th gear	4.0 mph (6.4 km/h)
5th gear	5.1 mph (8.2 km/h)
Reverse	3.0 mph (4.8 km/h)

TRACTION WHEEL CONTROLS:

FINGER TIP LEVERS AT HANDLES CONTROL INDEPENDENT POWER TO EACH WHEEL FOR MOVING, STOPPING AND POWER TURNING.

BRAKES:

BAND TYPE, HEAVY DUTY LINING, INDEPENDENTLY CONTROLLED BY TRACTION LEVERS. PARKING BRAKES AT TRACTION LEVER LOCKS.

HANDLES:

HEAVY GAUGE TUBULAR STEEL. RESILIENT GRIPS, ADJUSTABLE HEIGHT.

TURNING RADIUS:

INSIDE WHEEL 0".

CONTROLS:

THROTTLE. SPEED SELECTOR LEVER. FINGER TIP WHEEL DRIVE LEVERS. BLADE DRIVE ENGAGEMENT SWITCH, PARKING BRAKES AT TRACTION LEVER LOCKS. OPERATOR PRESENT CONTROLS.

AXLE:

1.0"(25.4mm) DIAMETER STEEL SHAFT, REPLACEABLE.

DRIVE BELTS:

- HB-SINGLE WITH ARAMID FIBER. (USED ON MODEL 932007G ONLY)
- HB-DOUBLE BANDED WITH ARAMID FIBER.

DRIVE TIRES:

- 13 X 5.00 TURF TREAD.

SPINDLES:

1" SPINDLE SHAFT ON MAINTENANCE FREE SEALED BALL BEARINGS IN PRECISION MACHINED HOUSING.

CASTERS:

9 X 3.50-4 NO FLAT.

HEIGHT OF CUT:

ADJUSTABLE FROM 1-1/2" to 4-1/2" (3.8-11.4 cm).

BLADE DRIVE:

INDUSTRIAL B SECTION HEAVY DUTY V-BELT DRIVE (NOT TWISTED) FROM CRANKSHAFT TO CUTTERDECK WITH 5" STEEL IDLERS ON SEALED BALL BEARINGS. PTO SWITCH ON CONTROL PANEL CONTROLS ENGAGEMENT OF BLADES.

BLADE MATERIAL:

1566 ALLOY STEEL, AUSTEMPERED AND HEAT TREATED.

WEIGHT:

932007G:.....	400 LBS. (181 kg)
933007G:.....	428 LBS. (194 kg)
934007G:.....	476 LBS. (216 kg)

ACCESSORIES AVAILABLE

STANDUP SULKY
JUMBO GRASSCATCHER
ECO-PLATE
BLOWOUT BAFFLE KIT
MULCHING KIT

ENGINES	
MODEL NUMBER	932007G 933007G 934007G
MANUFACTURER	KAWASAKI
MODEL	FS481V-AS04-R
CYLINDERS	2
COOLING	Air
FUEL	Gasoline
BORE/STROKE	2.9" X 2.8" (73mm x 72mm)
DISPLACEMENT	36.8 ci (603cc)
COMPRESSION	8.1:1
OUTPUT POWER	See engine manufacturer's specifications and website
OUTPUT TORQUE	32.1 ft-lb (43.5 N•m) @ 1800 rpm
OIL CAPACITY	1.8 qt (1.7l)
LUBRICATION	Full Pressure
MAIN BEARINGS (MAGNETO/PTO)	N/A
CYLINDER BLOCK	Aluminum with cast iron sleeve
CYLINDER HEAD	Aluminum
GOVERNOR	Mechanical
AIR CLEANER	Dual Element
IGNITION SYSTEM	Electronic
CHARGING SYSTEM	Clutch Coil
BATTERY	None
FUEL CAPACITY	4.2 gal (16.2 l)
FUEL TANK	Polyethylene
FUEL CONSUMPTION @ MAX LOAD/SPEED	1.25 gal/hr (4.74 l/hr)

SIDE DISCHARGE DECKS			
MODEL NUMBER	932007	933007	934007
WIDTH (CHUTE DOWN)	42.8" (1086 mm)	47" (1194 mm)	58.5" (1486 mm)
WIDTH (CHUTE UP)	32.62" (828 mm)	36.5" (927 mm)	48" (1219 mm)
WIDTH OF CUT	31.8" (806 mm)	35.25" (895 mm)	47.25" (1200 mm)
NUMBER OF BLADES	2	2	3
BLADE LENGTH	16.25" (413 mm)	18" (457 mm)	16.25" (413 mm)
BLADE TYPE	High Lift (Low Lift option)	High Lift (Low Lift option)	High Lift (Low Lift option)
BLADE THICKNESS	0.205" (5.2 mm)	0.205" (5.2 mm)	0.205" (5.2 mm)
TIP SPEED	17732 ft/min (5405 m/min)	18696 ft/min (5699 m/min)	17732 ft/min (5405 m/min)
DAILY PRODUCTION @ 5 mph (8 km/hr)	12.6 acres/8 hrs (5.1 ha/8 hrs)	14.2 acres/8hrs (5.74 ha/8hrs)	19.0 acres/8hrs (7.4 ha/8 hrs)

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