
Safety

- Whenever driving on public roads, use flashing warning lights and turn signals according to local regulations. Extra flashing warning lights may need to be installed.

Checking Wheel Hardware

- A serious accident could occur causing serious injury if wheel hardware is not tight.
- Check wheel hardware tightness often during the first 100 hours of operation.
- Wheel hardware must be tightened to specified torque using the proper procedure anytime it is loosened.



Wear Appropriate Clothing

- Always wear safety goggles, or safety glasses with side shields, and a hard hat when operating the machine.

- Wear close fitting clothing and safety equipment appropriate for the job.
- While operating this machine, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.
- Wear a suitable protective device such as earplugs. Loud noise can cause impairment or loss of hearing.

Towing Loads Safely

- Stopping distance increases with speed and weight of towed load. Travel slowly and allow extra time and distance to stop.
- Total towed weight must not exceed combined weight of pulling machine, ballast and operator. Use counterweights or wheel weights as described in the attachment or pulling machine operator's manual.
- Excessive towed load can cause loss of traction and loss of control on slopes. Reduce towed weight when operating on slopes.
- Never allow children or others in or on towed equipment.
- Use only approved hitches. Tow only with a machine that has a hitch designed for towing. Do not attach towed equipment except at the approved hitch point.
- Follow the manufacturer's recommendations for weight limits for towed equipment and towing on slopes.
- Towed attachments may increase the risk of rollover. Refer to the "Operating on Slopes" section.

- Do not turn sharply. Use additional caution when turning or operating under adverse surface conditions. Use care when reversing.
- Do not coast downhill.



Maintenance and Storage

- Never operate machine in a closed area where dangerous carbon monoxide fumes can collect.
- Disengage drives, lower implement, lock parking brake, stop engine and remove key or disconnect spark plug (for gas engines). Wait for all movement to stop before adjusting, cleaning or repairing.
- Clean grass and debris from cutting units, drives, mufflers, and engine to help prevent fires. Clean up oil or fuel spillage.
- Let engine cool before storing and do not store near flame.
- Shut off fuel while storing or transporting. Do not store fuel near flames or drain indoors.
- Park machine on level ground. Never allow untrained personnel to service machine. Understand service procedure before doing work.
- Use jack stands or lock service latches to support components when required. Securely support any machine elements that must be raised for service work.
- Before servicing machine or attachment, carefully release pressure from any components with stored energy, such as hydraulic components or springs.
- Release hydraulic pressure by lowering attachment or cutting units to the ground or to a mechanical stop and move hydraulic control levers back and forth.
- Disconnect battery or remove spark plug (for gas engines) before making any repairs. Disconnect the negative terminal first and the positive last. Reconnect positive first and negative last.
- Use care when checking blades. Wrap the blades or wear gloves, and use caution when servicing them. Only replace blades. Never straighten or weld them.
- Keep hands, feet, clothing, jewelry and long hair away from moving parts. If possible, do not make adjustments with the engine running.
- Charge batteries in an open well ventilated area, away from spark and flames. Unplug charger before connecting or disconnecting from battery. Wear protective clothing and use insulated tools.
- Keep all parts in good working condition and all hardware tightened. Replace all worn or damaged decals.

Safety

- Check grass catcher components and the discharge guard frequently and replace with manufacturer's recommended parts, when necessary. grass catcher components are subject to wear, damage, and deterioration which could expose moving parts or allow objects to be thrown.
- Keep all nuts and bolts tight, especially blade attachment bolts, to be sure the equipment is in safe working condition.
- Check brake operation frequently. Adjust and service as required.
- On multi-bladed machines, take care as rotating one blade can cause other blades to rotate.



Prevent Fires

- Besides routine maintenance, one of the best ways to keep your John Deere equipment running efficiently and to reduce fire risk is to regularly remove debris buildup from the machine.
- Please review these recommendations with all operators. See your John Deere dealer with questions.
- Always follow all safety procedures posted on the machine and in this operator manual. Before carrying out any inspection or cleaning, always shut off engine, set parking brake and remove ignition key.
- After operating, allow machine to cool in an open area before cleaning or storing. Do not park machine near flammable materials such as wood, cloth or chemicals.
- Empty any grasscatcher bags or containers completely before storing.
- Frequency of these inspections and cleaning will vary depending on a number of factors including operating conditions, machine configuration, operating speeds and weather conditions particularly dry, hot and windy conditions. When you are operating in these conditions, inspect and clean these areas frequently throughout the day.
- Wind direction, terrain type and moisture content of surrounding vegetation can effect where and how much debris accumulates.
- Debris can accumulate anywhere on the machine, especially on horizontal surfaces.
- Keeping engine area clean will provide the greatest impact on fire prevention. Other areas requiring regular inspection and cleaning include behind wheel rims, wire harness, hose/line routings, mowing attachments, etc. Compressed air, leaf blowers or high pressured water can assist keeping these areas clean.

- Excess lubrication or fuel/oil leaks or spills on the machine can also serve as collection sites for debris. Prompt machine repair and oil/fuel cleanup will minimize the potential for debris collection and reduced cooling throughout machine life.
- Bearing failures or overheating can result in a fire. To reduce this risk, always follow the instructions in the machine operator's manual regarding lubrication intervals and locations. Washing the machine while warm may also reduce bearing life and increase potential for premature bearing failure.
- Always shut off fuel when storing or transporting machine, if the machine has a fuel shutoff.

Hauling

- Use care when loading or unloading the machine into a trailer or truck.
- Use full width ramps for loading machine into trailer or truck.
- Tie the machine down securely using appropriate straps, chains, cable, or ropes. Both front and rear straps should be directed down and outward from the machine.
- Refer to "Transporting Machine" section for more information.

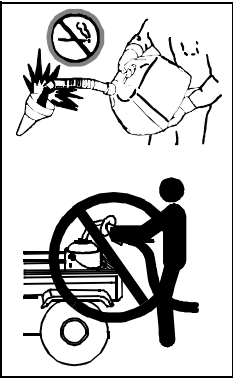


Tire Safety

Explosive separation of a tire and rim parts can cause serious injury or death:

- Do not attempt to mount a tire without the proper equipment and experience to perform the job.
- Always maintain the correct tire pressure. Do not inflate the tires above the recommended pressure. Never weld or heat a wheel and tire assembly. The heat can cause an increase in air pressure resulting in a tire explosion. Welding can structurally weaken or deform the wheel.
- When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and NOT in front of or over the tire assembly.
- Check tires for low pressure, cuts, bubbles, damaged rims or missing lug bolts and nuts.
- Make sure all tires are inflated to the recommended pressure, especially when operating on slopes. Low pressure can cause machine to become unstable on slopes.

Safety



Handling Fuel Safely

To avoid personal injury or property damage, use extreme care in handling fuel. Fuel is extremely flammable and fuel vapors are explosive:

- Extinguish all cigarettes, cigars, pipes, and other sources of ignition.
- Use only an approved fuel container. Use only non-metal, portable fuel containers approved by

the Underwriter's Laboratory (U.L.) or the American Society for Testing & Materials (ASTM). If using a funnel, make sure it is plastic and has no screen or filter.

- Never remove the fuel tank cap or add fuel with the engine running. Allow engine to cool before refueling.
- Never add fuel to or drain fuel from the machine indoors. Move machine outdoors and provide adequate ventilation.
- Clean up spilled fuel immediately. If fuel is spilled on clothing, change clothing immediately. If fuel is spilled near machine, do not attempt to start the engine but move the machine away from the area of spillage. Avoid creating any source of ignition until fuel vapors have dissipated.
- Never store the machine or fuel container where there is an open flame, spark, or pilot light such as on a water heater or other appliance.
- Prevent fire and explosion caused by static electric discharge. Static electric discharge can ignite fuel vapors in an ungrounded fuel container.
- Never fill containers inside a vehicle or on a truck or trailer bed with a plastic liner. Always place containers on the ground away from your vehicle before fueling.
- Remove fuel-powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel such equipment with a portable container, rather than from a fuel dispenser nozzle.
- Keep the nozzle in contact with the rim of the fuel tank or container opening at all times until the fueling is complete. Do not use a nozzle lock-open device.
- Never overfill fuel tank. Replace fuel tank cap and tighten securely.
- Replace all fuel container caps securely after use.
- For gasoline engines, do not use gas with methanol. Methanol is harmful to your health and to the environment.

and batteries, can harm the environment and people:

- Do not use beverage containers for waste fluids - someone may drink from them.
- See your local Recycling Center or authorized dealer to learn how to recycle or get rid of waste products.
- A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures, and emergency response techniques. The seller of the chemical products used with your machine is responsible for providing the MSDS for that product.

Handling Waste Product and Chemicals

Waste products, such as, used oil, fuel, coolant, brake fluid,

<https://www.ebooklibonline.com>

Hello dear friend!

Thank you very much for reading.

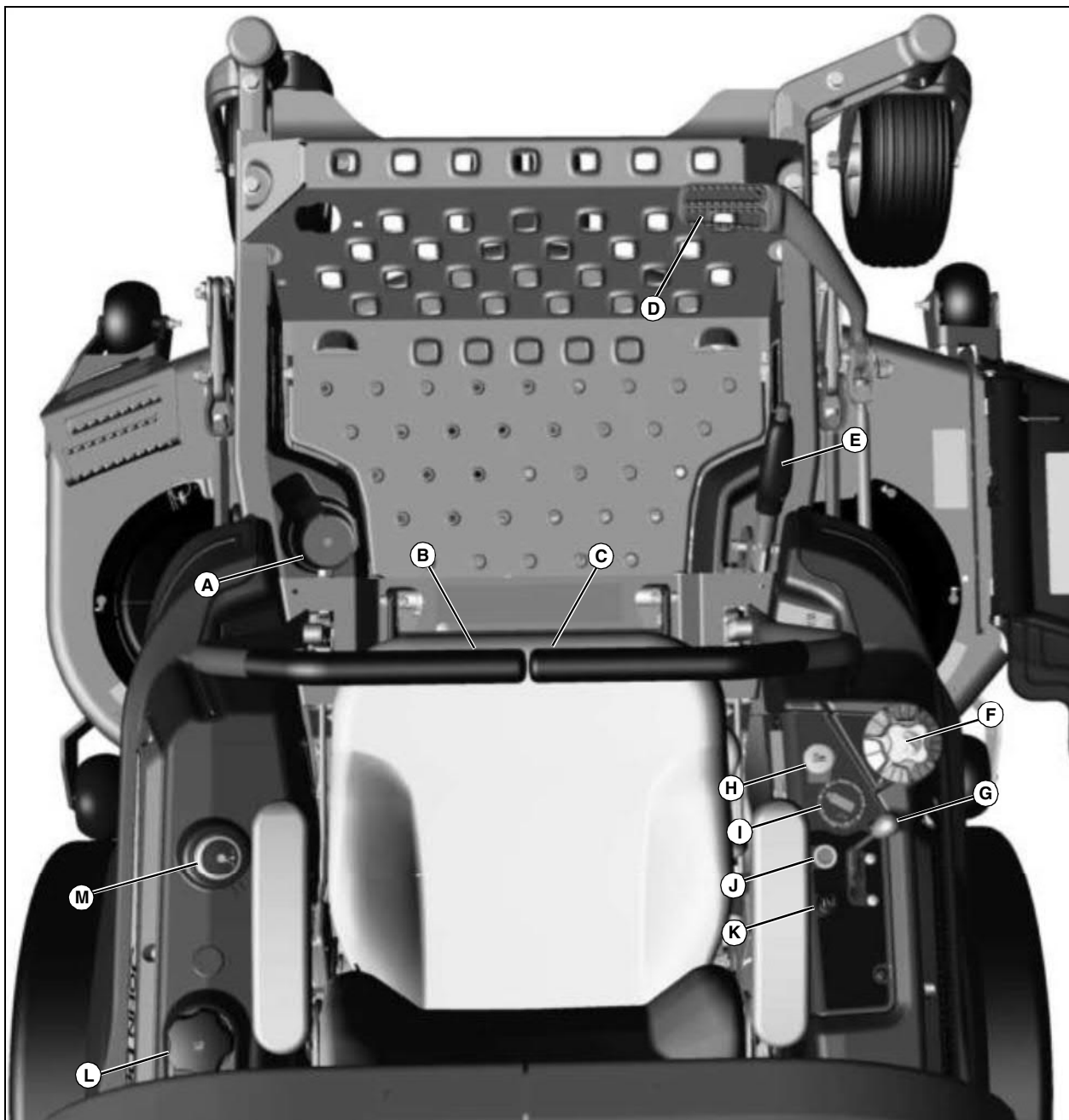
Enter the link into your browser.

The full manual is available for immediate download.

<https://www.ebooklibonline.com>

Operating - Controls

Z900B and Z900M Series



MX51910

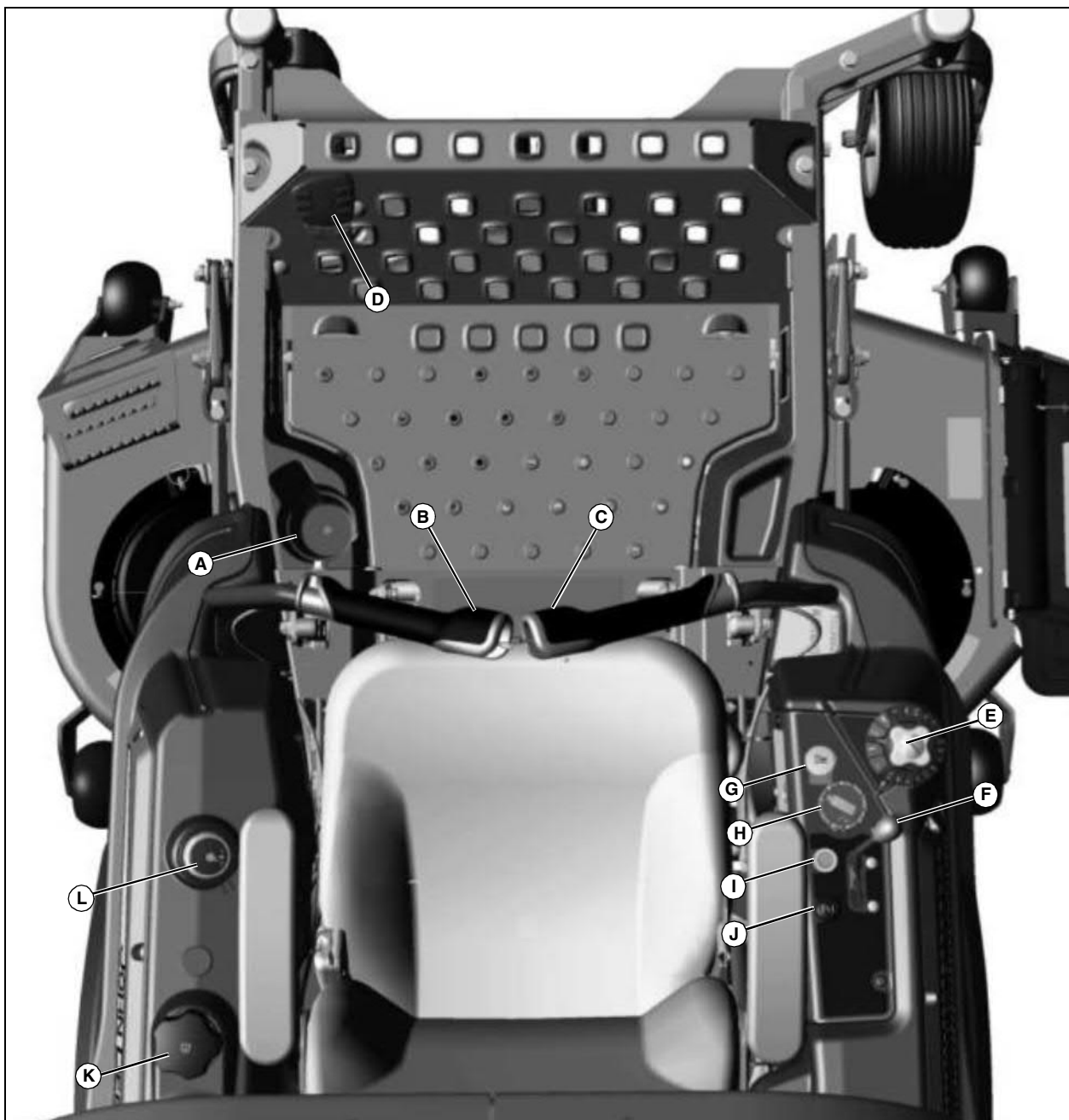
Picture Note: Z900B Series shown.

- A - Beverage Holder
- B - Left Motion Control Lever
- C - Right Motion Control Lever
- D - Deck Height Adjustment Pedal
- E - Park Brake Lever
- F - Height of Cut / Transport Lock Knob
- G - Engine Speed Control Lever
- H - PTO Engagement Knob

- I - Hourmeter
- J - Ignition Key Switch
- K - Carburetor Choke Knob (not used on EFI engines)
- L - Fuel Tank Cap
- M - Fuel Level Gauge

Operating - Controls

Z900R Series



MX51911

- | | |
|--|-----------------------------|
| A - Beverage Holder | K - Fuel Tank Cap |
| B - Left Motion Control Lever | L - Fuel Level Gauge |
| C - Right Motion Control Lever | |
| D - Park Brake Pedal | |
| E - Height of Cut / Transport Lock Knob | |
| F - Engine Speed Control Lever | |
| G - PTO Engagement Knob | |
| H - Hourmeter | |
| I - Ignition Key Switch | |
| J - Carburetor Choke Knob | |

Operating

Daily Operating Checklist

- ☐ Clean grass and debris from operator station foot platform.
- ☐ Remove grass and debris from operator's platform, air intake screen, engine compartment, transmissions, fans, traction drive belt and muffler area.
- ☐ Remove grass and debris from machine and mower deck.
- ☐ Remove mower deck belt shields. Clean grass and debris from belt area.
- ☐ Check all belts for damage or cracking.
- ☐ Make sure all necessary guards and shields are safely and securely attached. Check for loose, missing, or damaged parts.
- ☐ Check mower level, cutting height, and blades.
- ☐ Check engine oil level.
- ☐ Check transmission oil level.
- ☐ Check for oil leaks.
- ☐ Check fuel level.
- ☐ Check engine air filter.
- ☐ Check wheel bolt torque. Tighten if necessary.
- ☐ Check tire air pressure. Check tires for damage or cracking.
- ☐ Test park brake.
- ☐ Check and adjust motion control linkages.
- ☐ Check for loose, damaged or missing parts.
- ☐ Check battery.
- ☐ Test safety systems.

Avoid Damage to Plastic and Painted Surfaces

- Do not wipe plastic parts unless rinsed first. Using a dry cloth may cause scratches.
- Insect repellent spray may damage plastic and painted surfaces. Do not spray insect repellent near machine.
- Be careful not to spill fuel on machine. Fuel may damage surface. Wipe up spilled fuel immediately.
- Prolonged exposure to sunlight will damage hood surfaces.

Raising and Lowering Operator Seat

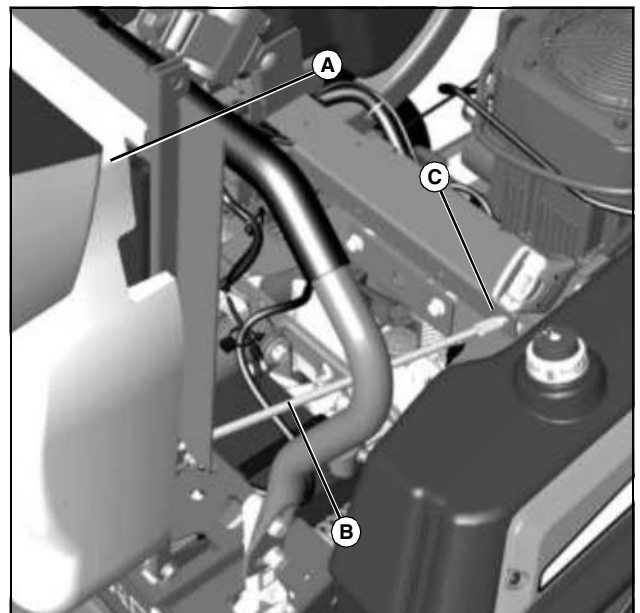
Standard Seat



CAUTION: Avoid injury! Fingers and hands can be pinched or crushed. Be aware of potential pinch points and keep hands away.

Raising the Seat

1. Park machine safely. (See Parking Safely in the SAFETY section.)



MX51815

2. Stand on side of the machine and lift seat (A).
3. Slide seat rod (B) through the frame cutout (C).
4. Set the seat rod in the lower cutout of the frame.

Lowering the Seat

1. Stand on the side of the machine.
2. Reset seat rod into the top slide of the frame cutout.
3. Lower seat and return vehicle into service.

Deluxe Seat

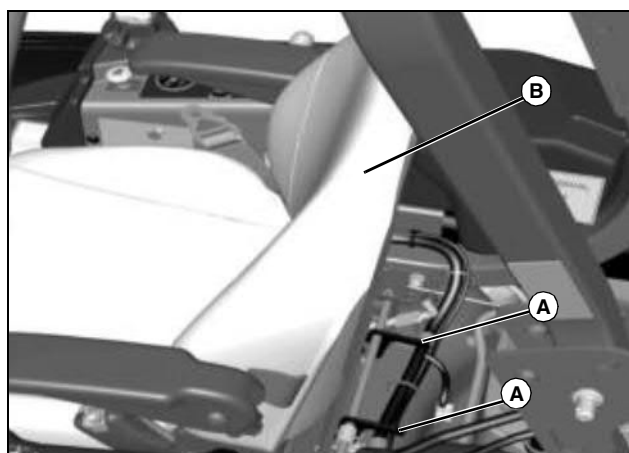


CAUTION: Avoid injury! Fingers and hands can be pinched or crushed. Be aware of potential pinch points and keep hands away.

Raising the Seat

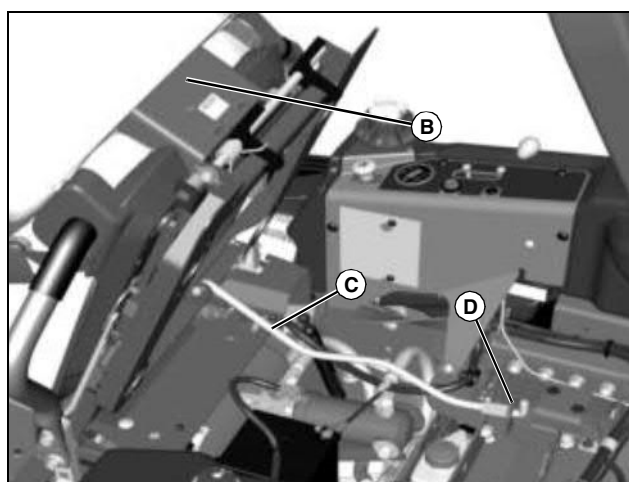
1. Park machine safely. (See Parking Safely in the SAFETY section.)

Operating



MX51843

2. Stand on either side of the machine and pull up on either seat lock latch handle (A) and lift seat (B).



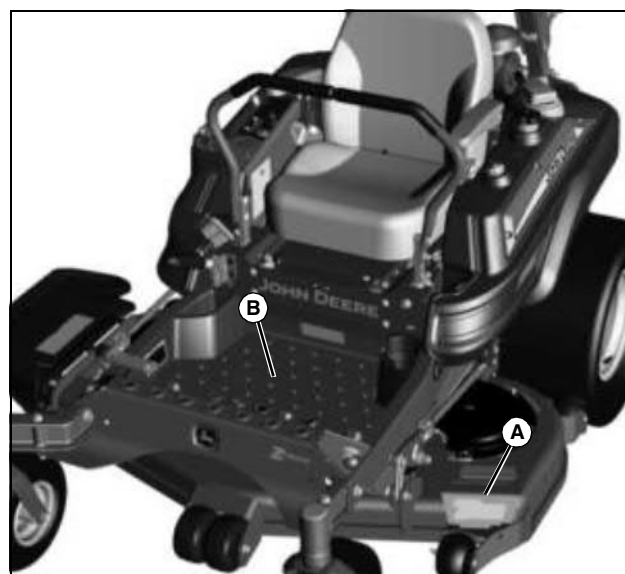
MX51844

3. Slide seat rod (C) through the frame cutout (D).
4. Set the seat rod in the lower cutout of the frame.

Lowering the Seat

1. Stand on the side of the machine.
2. Reset seat rod into the top slide of the frame cutout.
3. Lower seat. Be sure seat latch is engaged. Return vehicle into service.

Mounting and Dismounting Machine Safely



MX51912

When mounting and dismounting the machine, do so from the left side of the machine using the step (A) or the foot plate (B). Park machine safely (see Parking Safely in the SAFETY section) before dismounting. Do not mount or dismount the machine from the front.

Keep the foot plate clean.

Adjusting Standard Seat

1. Sit on operator seat.

Operating

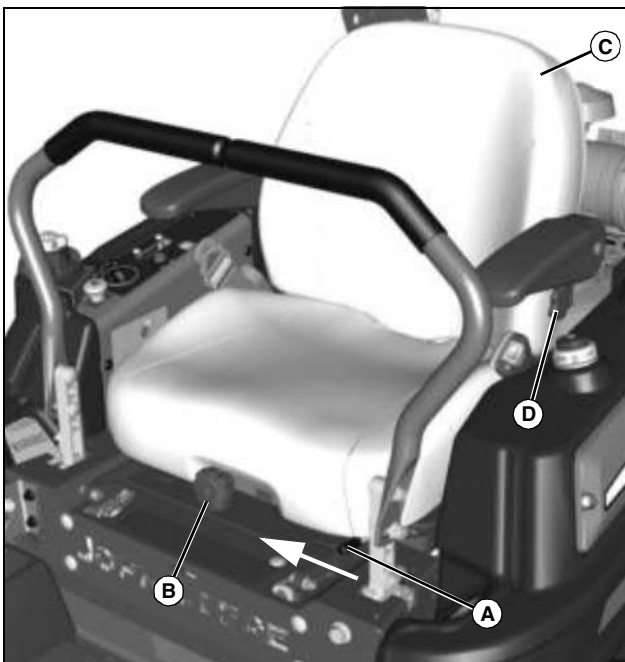


MX51845

2. Push and hold the seat adjustment lever (A) toward the middle of the seat.
3. Slide forward or backward to desired position.
4. Release lever.

Adjusting Deluxe Seat

1. Sit on operator seat.



MX51846

2. Push and hold the seat adjustment lever (A) toward the

middle of the seat.

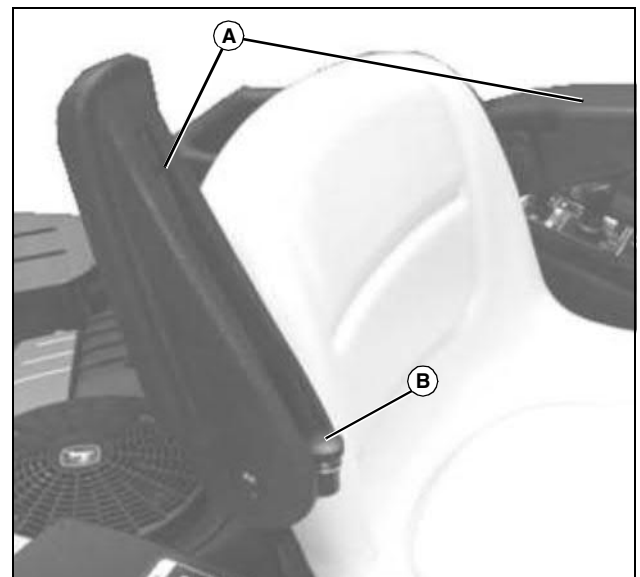
3. Slide forward or backward to desired position.
4. Release lever.

Adjust Ride Comfort

Adjust seat spring tension knob (B) to the weight of the operator, so that the seat “floats” in the center of its travel as the machine traverses rough terrain.

1. Adjust seat suspension.
 - Turn seat spring tension knob (B) to the right (clockwise) for a firmer ride.
 - Gently pull forward or backward on the seat back (C) and turn lever (D) to desired seat back position.

Adjusting Seat Armrests



MX38908

1. Raise each armrest (A).
2. Turn adjustment knob (B) clockwise to lower armrest and counterclockwise to raise armrest. Lower armrests.

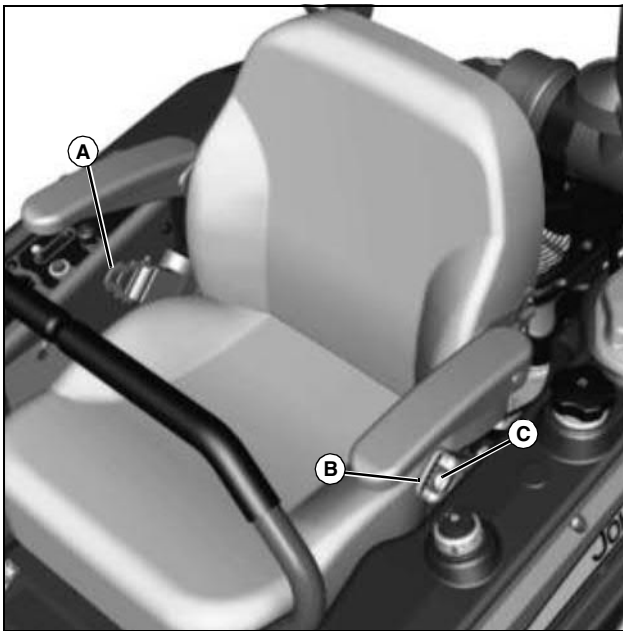
Operating

Using Seat Belt



CAUTION: Avoid injury! Always wear seat belt when operating machine with folding Roll-Over Protective Structure (ROPS) in upright position. Do not jump from machine if machine tips.

If ROPS must be folded to operate in a low clearance area, do not use seat belt. Raise ROPS and use seat belt as soon as conditions permit.



1. Sit in seat.
2. Pull out seat belt buckle (A) and stretch across your lap in one nonstop motion.
3. Insert seat belt buckle into latch (B) until it locks.
4. To release seat belt, press button (C) until buckle comes out of latch.

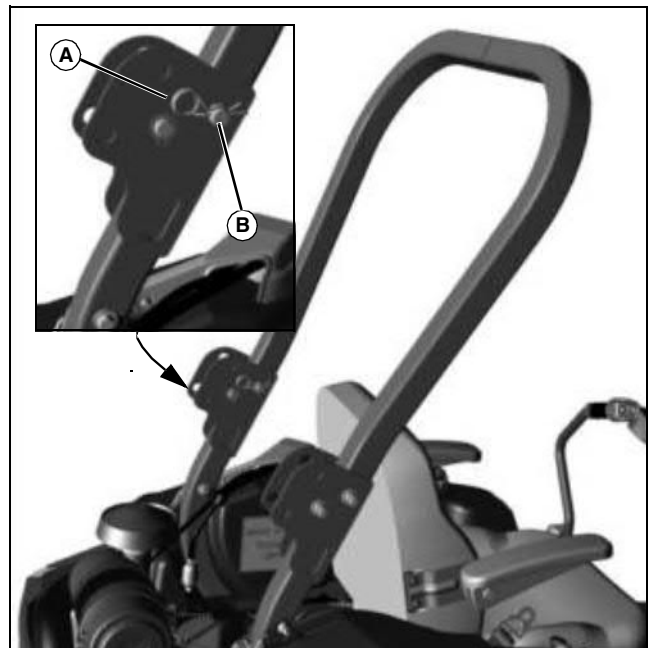
Raising and Lowering ROPS



CAUTION: Avoid injury! Always wear seat belt when operating machine with folding Roll-Over Protective Structure (ROPS) in upright position. Do not jump from machine if machine tips.

If ROPS must be folded to operate in a low clearance area, do not use seat belt. Raise ROPS and use seat belt as soon as conditions permit.

1. Park machine safely. (See Parking Safely in the SAFETY section.)



2. Remove spring pin (A) from drilled pin (B) on left and right sides of ROPS.
3. Remove drilled pin from left and right sides of ROPS.

Operating



CAUTION: Avoid injury! Fingers and hands can be pinched or crushed. Be aware of potential pinch points and keep hands away.

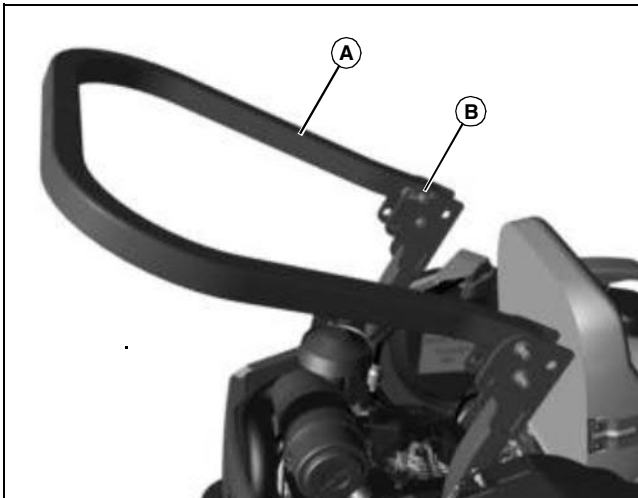


MX52031

4. Pull ROPS rearward to lowered position (C).
5. Install drilled pins and spring pins back into holes in ROPS to secure in place.

Placing ROPS into Intermediate Position

NOTE: When a Material Collection System attachment is installed, the ROPS cannot be fully lowered. If the ROPS must be lowered, place it into the intermediate position.



MX52179

1. With the spring pins and drilled pins removed, lower the

upper ROPS (A) rearward and install drilled pins (B) and spring locking pins to secure position.

2. Repeat for other side of ROPS.

Determining Safe Slope Angles



CAUTION: Avoid injury! Operating this machine on slopes can be dangerous. Rollover accidents can occur and can result in serious injury or death.

- John Deere has determined that the risk of rollover is low when this machine is operated on slopes of 10 degrees or less. The risk of rollover increases as the slope angle increases. Never operate this machine on slopes greater than 20 degrees.
- It is important to establish your own procedures and work rules for operating the machine on slopes. The procedures must include a survey of all mowing sites to determine which slopes can be operated on safely.
- Consider potential turf conditions, dips, and holes along with slope angles when determining a safe slope.
- Before allowing someone to operate this machine on a slope, make certain the slope is not too steep for safe operation.
- Make certain the operator is trained and capable of operating the machine safely on the slope.

1. Lay a straight piece of sturdy lumber 1.2 m (4 ft) long on the slope.
2. Measure the angle of the slope with an angle indicator or protractor level.
 - If slope is greater than 20°, do not mow.
 - If slope is 10° or less the risk for rollover is low.
3. Repeat procedure at several points on the slope to get an overall idea of the slope angle. Do not operate the machine on any areas that exceed the manufacturer's recommended slope angle.

Using the Comfort and Convenience Package Controls (Z900R Series)

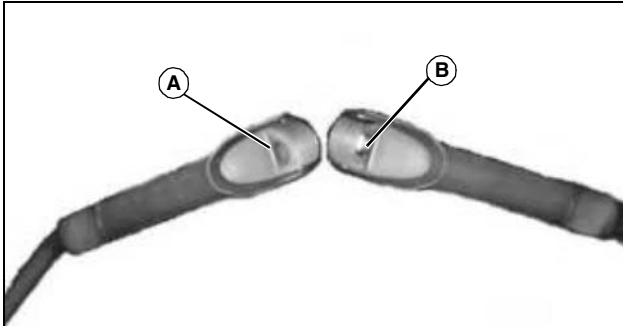
NOTE: Per design, the deck will lower if the lift button is held for more than 12 seconds or the machine is

Operating

turned off.

Power Deck Lift

1. Park machine safely. (See Parking Safely in the SAFETY section.)



MX26356

2. Push button (A) on left motion control lever to raise mower deck.

PTO Shut Off

NOTE: Once PTO has been shut off using the button the PTO switch must be pushed down and pulled up again to engage PTO.

- Push button (B) on right motion control lever to shut off PTO.

Setting Mower Deck Cutting Height



CAUTION: Avoid injury! Rotating blades are dangerous and can cut fingers and toes. Stop engine, lock the park brake, and wait for blade to stop rotating before adjusting cutting height.

Cutting height can be adjusted from approximately 25 to 139 mm (1 to 5-1/2 in.). Each increment on the knob adjusts the height-of-cut (HOC) approximately 6 mm (1/4 in.).

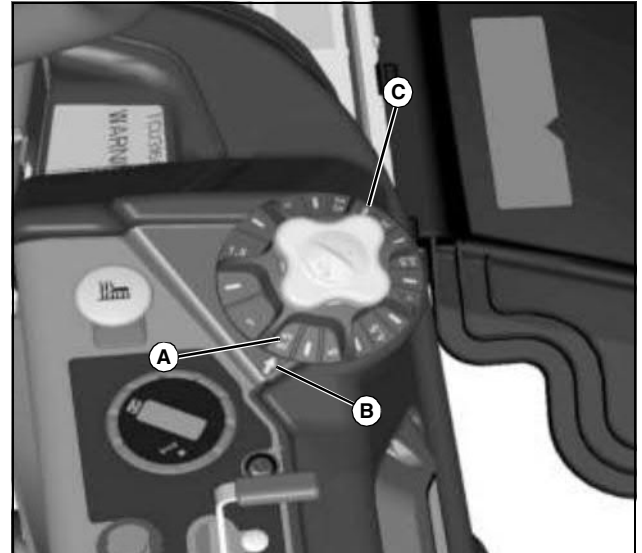
The deck can also be raised and locked in a transport position, to provide maximum ground clearance when moving the machine from one area to another.

Adjusting

1. Park machine safely. (See Parking Safely in the SAFETY section.)
2. Disengage PTO.
3. Stop engine and lock park brake.

NOTE: If machine is equipped with convenience package raise and lower deck with power lift switch located on left control lever.

4. Raise mower deck using deck lift pedal.



MX51847

5. With deck in raised position, adjust height of cut knob (A) to align cut height to index mark (B).

6. Release pedal to lower deck to desired setting.

Transport Lock

The deck can be locked in a transport position to give maximum ground clearance when the machine is moved to and from various work sites.

The transport lock should always be used if the deck needs to be in the transport position for more than 12 seconds.

The transport lock function allows the deck to be returned to the previous Height of Cut after being in the transport position.

1. Park machine safely. (See Parking Safely in the SAFETY section.)

2. Disengage PTO.

3. Stop engine and lock park brake.

NOTE: If machine is equipped with convenience package raise and lower deck with power lift switch located on left control lever.

4. Raise mower deck using deck lift pedal.

5. With deck in raised position, rotate knob (C) counter clockwise into the transport lock position.

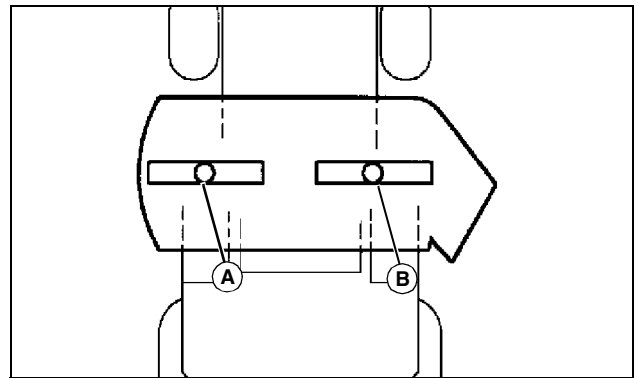
6. Release pedal to lower deck to transport setting.

Operating

Release Transport Lock

NOTE: If machine is equipped with convenience package raise and lower deck with lift switch located on left control lever.

1. Raise mower deck using deck lift pedal.
2. Rotate transport lock knob clockwise. Knob will release to off position.
3. Release pedal to lower deck to previous height of cut setting.



MX4896

Adjusting Mower Deck - All Models



CAUTION: Avoid injury! Rotating blades are dangerous. Before adjusting or servicing mower:

- Disconnect spark plug wire(s) or battery negative (-) cable to prevent engine from starting accidentally.
- Always wear gloves when handling mower blades or working near blades.

NOTE: Mower deck anti-scalp wheels should not contact the ground while adjusting deck.

1. Park machine safely. (See Parking Safely in the SAFETY section.)
2. Inflate tires to the correct pressure.
3. Raise the mower deck to the transport position.
4. Inspect mower blades for:
 - Blade sharpness.
 - Blade damage.
 - Bent blades.

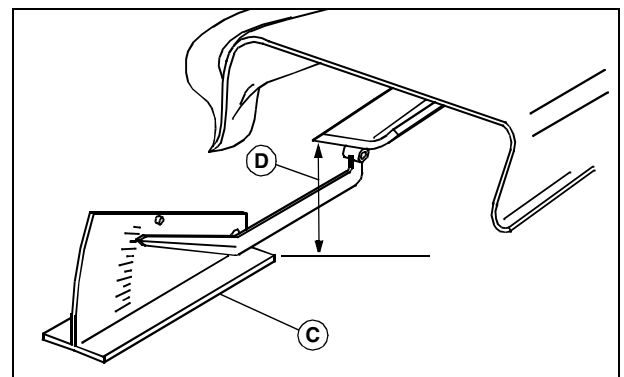
Checking Level (Side-to-Side)

NOTE: Mower deck anti-scalp wheels should not contact the ground.

1. Lower the deck so that the height of cut knob aligns to index mark 3.

2. Turn left blade (A) as shown. Hold and turn right blade (B) as shown.

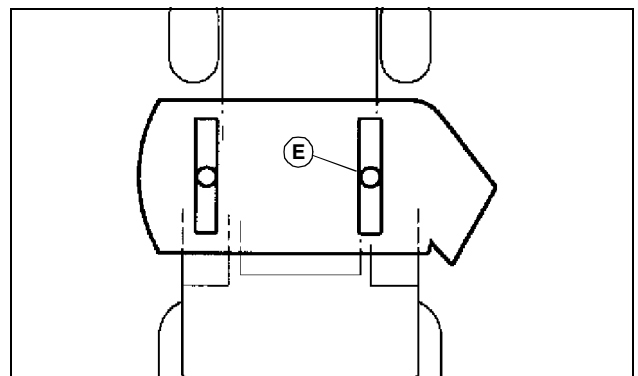
NOTE: Use a short ruler or a leveling gauge (Part No. AM130907) (C) to check the mower blade level.



MIF

Picture Note: Discharge chute raised for photo clarity.

3. Measure distance (D) from the blade tip to the ground on LH and RH blades.
 - The blade tips should measure within 1/8 in. (3 mm) of each other.



MX4896a

4. Turn right blade (E) so blade tip points straight forward. Position left mower blade in the straight forward (front-to-rear) position.

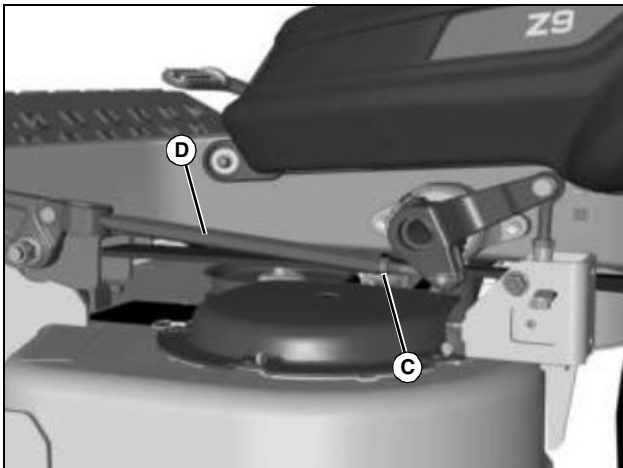
Operating

5. Measure distance (D) from left front blade tip to the ground.

- The front blade tip should be 76 mm (3 in.) (+/- 2 mm [1/16 in.]) from the ground.

6. If the blade tip height is not within the given tolerance then further adjustment is necessary.

Adjusting Blade Tip Height



MX52007

1. Loosen jam nut (C).

2. Turn rod tube (D) on each side of machine to adjust as needed so the left and right blade tips are at 76 mm 3 in. (+/- 2 mm [1/16 in.]).

3. Tighten jam nut (C).

NOTE: If an adjustment was made to the front blade tip height, the blade rake will need to be checked.

Checking Blade Rake (Front to Rear Height)

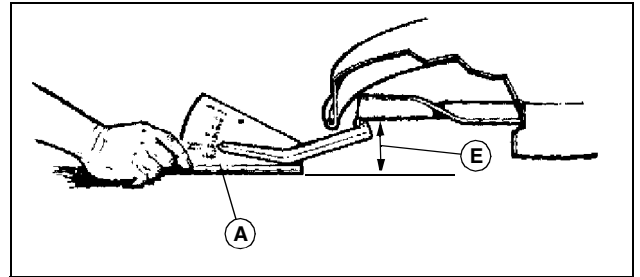
1. Lower mower deck to 76 mm (3 in.) cutting height position.

2. Position right mower blade (discharge side) in straight forward (front-to-rear) position.

3. Measure from the right front blade tip to the ground.

4. Turn blade one hundred eighty degrees and measure from right rear blade tip to the ground.

NOTE: Use a short ruler or a leveling gauge (Part No. AM130907) (A) to check the mower blade level.



M40137

5. The height (E) of the rear blade tip should be between 3-6 mm (1/8-1/4 in.) higher than the front blade tip.

6. Repeat steps 1-5 for left blade

7. If the blade rake is not within the given tolerance then further adjustment is necessary.

Adjusting Blade Rake (Front-to-Rear)



MX52007

1. Loosen rear hanger jam nut (F).

2. Turn tube nut (G) at rear hangers to adjust front-to-rear level.

3. The rear of the blade tips should be 1/8-1/4 in. higher than front.

4. Tighten jam nuts to 67 N•m (50 ft-lb).

5. Check blade rake. Repeat adjustment if needed.

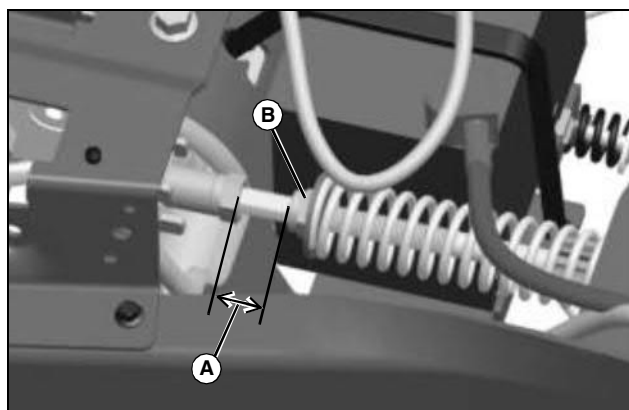
Adjusting Deck Lift Spring Tension (B and M Series Machines)

NOTE: Deck lift spring tension is adjusted at the factory. If the effort required to raise or lower the mower deck is not satisfactory, an adjustment may be necessary.

Operating

Check Spring Tension

1. Park machine on a hard, level surface.
2. Stop engine and lock park brake.
3. Raise the mower deck to the transport position.
4. Lift operator seat and lock into position.



MX42533

5. Measure length (A).

- Z900B Series Machines:

Machines without Material Collection System installed:

Deck	Recommended Factory Setting
48 , 54, 60 Inch	21 mm (0.8 in.)

Machines with Material Collection System installed:

Deck	Recommended Factory Setting
48 Inch	57 mm (2.2 in.)
54 Inch	63 mm (2.5 in.)
60 Inch	74 mm (2.9 in.)

- Z900M Series Machines:

Machines without Material Collection System installed:

Deck	Recommended Factory Setting
72 Inch	25 mm (1.0 in.)
60 Inch	21 mm (0.8 in.)
60 Inch - Mulch on Demand	18 mm (0.7 in.)
54 Inch	43 mm (1.7 in.)
54 Inch - Mulch on Demand	41 mm (1.6 in.)
48 Inch	31 mm (1.2 in.)
48 Inch - Mulch on Demand	21 mm (0.8 in.)

Machines with Material Collection System installed:

Deck	Recommended Factory Setting
72 Inch	65 mm (2.6 in.)
60 Inch	58 mm (2.3 in.)
60 Inch - Mulch on Demand	52 mm (2.0 in.)
54 Inch	87 mm (3.4 in.)
54 Inch - Mulch on Demand	78 mm (3.1 in.)
48 Inch	75 mm (3.0 in.)
48 Inch - Mulch on Demand	58 mm (2.3 in.)

Adjust Spring Tension

NOTE: Do not over tension the deck lift spring. If the spring is compressed too tightly, the mower deck will float too freely.

Decrease deck lift spring tension if operating in rough terrain.

While looking from rear of machine:

- Turn hex nut (B) clockwise to increase deck lift spring tension.
- Turn hex nut (B) counterclockwise to decrease deck lift spring tension.

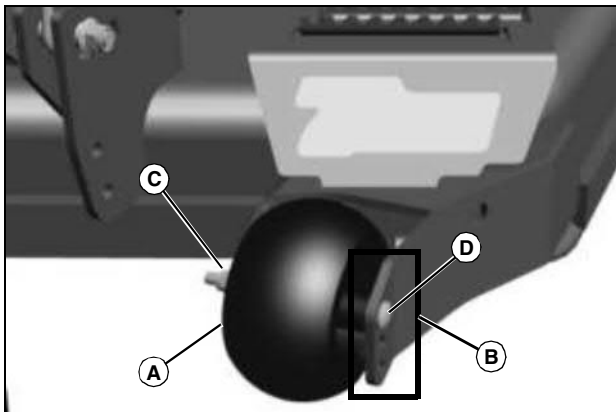
Adjusting Mower Deck Anti-Scalp Wheels

NOTE: The flattest cut can be achieved by having all anti-scalp wheels adjusted off the ground. Check anti-scalp wheel adjustments each time the mower deck cutting height is changed.

It is recommended that all anti-scalp wheels be kept off the ground to minimize scuffing.

1. Inflate tire to correct pressure.
2. Adjust mower deck to desired cutting height.

Operating



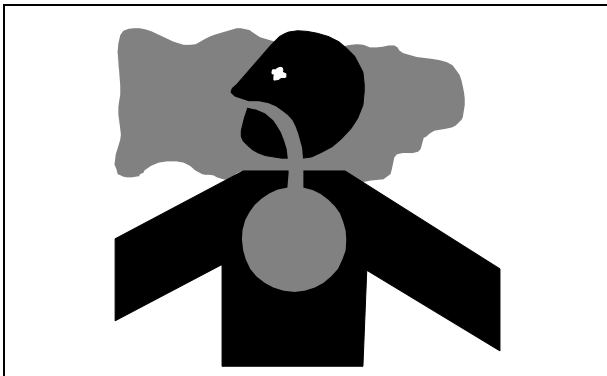
3. Adjust anti-scalp wheel (A) to one of three positions (B).

- Remove nut (C) and carriage bolt (D).
- Adjust wheel up or down so it is approximately 6-13 mm (1/4-1/2 in.) above mowing surface.

4. Install wheel with attaching hardware.

5. Adjust all wheels to the same height.

Testing Safety Systems



CAUTION: Avoid injury! Engine exhaust fumes contain carbon monoxide and can cause serious illness or death.

- Move the machine to an outside area before running the engine.
- Do not run an engine in an enclosed area without adequate ventilation.
- Connect a pipe extension to the engine exhaust pipe to direct the exhaust fumes out of the area.
- Allow fresh outside air into the work area to clear the exhaust fumes out.

The safety systems installed on your machine should be checked before each machine use. Be sure you have read the machine operator manual and are completely familiar with the operation of the machine before performing these safety system checks.

Use the following checkout procedures to check for normal operation of machine.

If there is a malfunction during one of these procedures, do not operate machine. **See your authorized dealer for service.**

Perform these tests in a clear open area. Keep bystanders away.

Testing PTO Switch

1. Sit on the operator seat.
2. Lock the park brake.
3. Pull PTO knob up to engage.
4. Turn key switch to the start position.

Result: The engine will start but the PTO should not engage until the park brake is unlocked and the PTO knob is disengaged and re-engaged again.

Testing Park Brake Switch

1. Sit on the operator seat.
2. Push PTO knob down to disengage.
3. Unlock park brake.
4. Turn key switch to the start position.

Result: The engine must not crank.

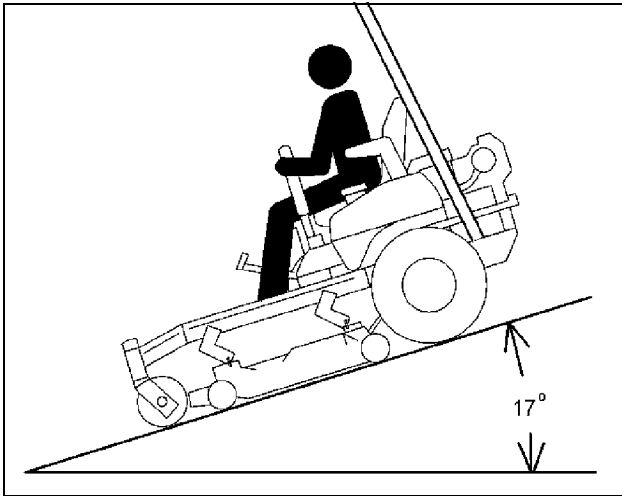
Testing Seat Switch

1. Start the engine.
2. Unlock park brake.
3. Pull PTO knob up to engage.
4. Raise slightly off the seat.

Result: The engine must stop.

Operating

Testing the Park Brake



1. Stop machine on a 17° slope (30% grade). Stop the engine and lock the park brake.

Result: Park brake must hold the machine stationary. (Machine should move no more than 61cm (24 in.) in one hour.) If machine moves more than that, brakes need to be adjusted. See your John Deere Dealer or refer to Adjusting Park Brake in the Service Steering and Brakes section.

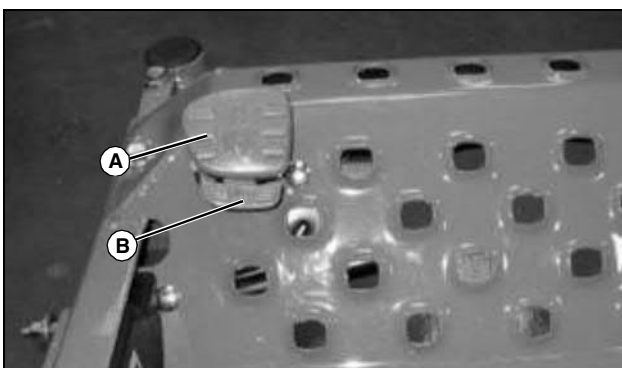
Using the Park Brake



CAUTION: Avoid injury! Children or bystanders may attempt to move or operate an unattended machine.

Always lock the park brake and remove the key before leaving the machine unattended.

Park Brake Pedal

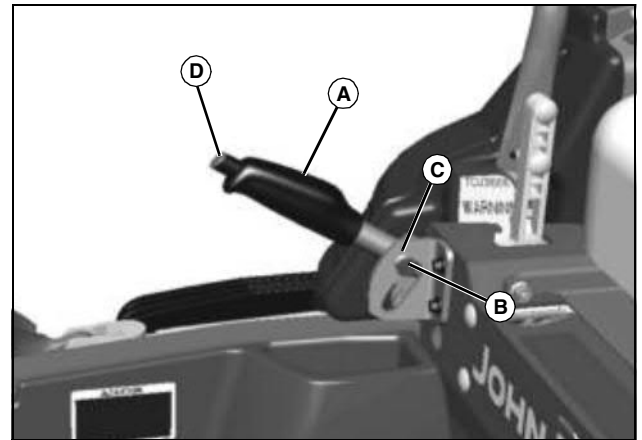


MX24787

1. To lock the park brake, press park brake pedal (A) fully down.

2. To unlock the park brake, press park brake release (B).

Park Brake Lever

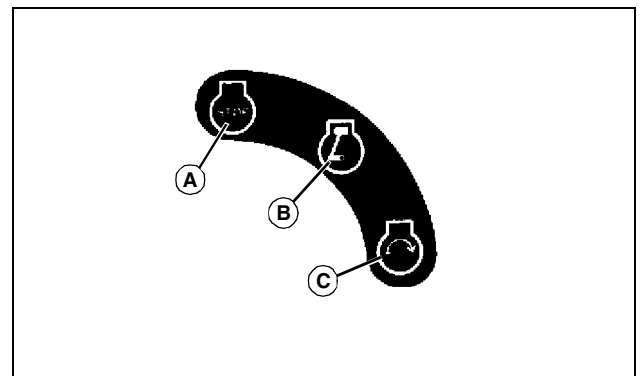


MX51848

1. To lock the park brake, pull upward on park brake hand lever (A) fully so that latch (B) is retained into bracket slot (C).

2. To unlock the park brake, pull upward slightly on park brake handle lever (A), press in button (D) and fully lower lever. Release button on hand lever.

Using Key Switch



W00927

Picture Note: Key switch label.

A - STOP Position - With key in STOP position, all switched power is off, and engine should not run.

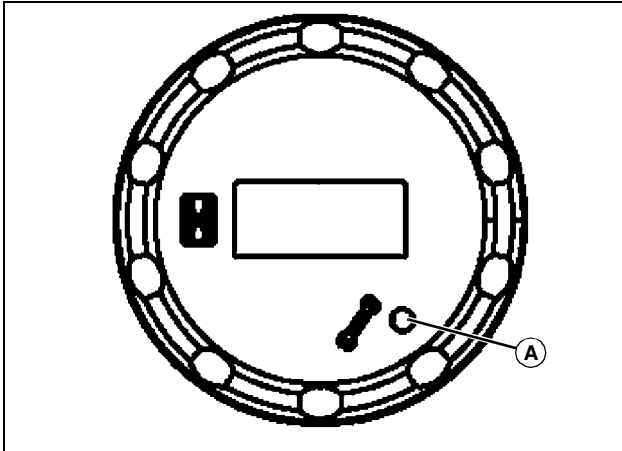
B - Run Position - Turn key from STOP to this position and all switched power circuits will be on.

C - Start Position - Turn key to start position to crank the engine. Release key after engine has started and it will automatically return to the run position. The engine will continue to run.

Operating

Using Indicator Lights

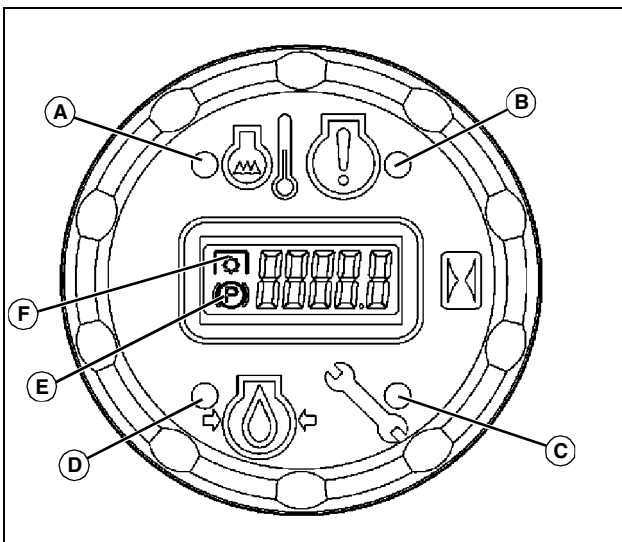
Z915B



MX51916

- **Vehicle Diagnostic Indicator Light (A)** is not used.

All Other Models



MX51849

- **Engine Coolant Temperature Indicator Light (A)** is not used.
- **Engine Diagnostic Indicator Light (B)** is used for Z925M EFI and Z930M EFI engines only. Light will be on if active engine diagnostic code is present. See your John Deere dealer.
- **Vehicle Diagnostic Indicator Light (C)** will flash a diagnostic code to help the operator identify operational and electrical problems. See Vehicle Diagnostic Light Check in SERVICE ELECTRICAL section.
- **Engine Oil Pressure Indicator Light (D)** will glow when engine oil pressure is low. If light glows when engine is running, stop engine immediately. See your John Deere

distributor.

- **Park Brake Switch Light (E)** will glow when park brake hand lever is raised or foot pedal is pressed.
- **PTO Light (F)** will glow when PTO switch is activated.

Using the PTO

Engage PTO:

NOTE: For Z900R models, the PTO will be disabled and not engage if the key switch is in the RUN and/or START position for 10 seconds or longer and the engine has not been started. Turn the key switch to the OFF position and then to the START position and start the engine within 10 seconds to allow the PTO to engage.

1. Move throttle lever to the 1/2 to 3/4 fast position.
2. Firmly pull PTO knob up to engage mower deck.
3. Move throttle lever forward to the fast position for mowing.

Disengage PTO:

- Push PTO knob down.

Using the Throttle Lever

- Push throttle lever all the way forward to the fast position when mowing.
- Move throttle lever to the half throttle position when starting and warming the engine.
- Pull throttle lever to rear to slow position to idle engine. Do not run engine at slow idle any longer than necessary.

Using the Hour Meter

- The hour meter shows number of hours the machine has run.
- The service interval chart gives necessary service intervals. Use the hour meter and service interval chart to determine when machine will need service.



Suggest:

If the above button click is invalid.

Please download this document first, and then click the above link to download the complete manual.

Thank you so much for reading

Operating

Using the Motion Control Levers



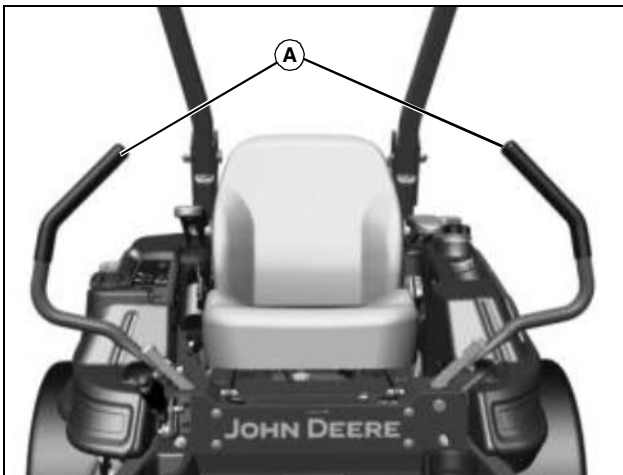
CAUTION: Avoid injury! Learn use of the motion control levers and practice at half throttle until becoming proficient and comfortable with the operation of the machine.

Do not move motion control levers from forward to reverse or reverse to forward position rapidly. Sudden direction changes could cause loss of control or damage the machine.

The functions of the motion control levers are:

- Dual function neutral position.
- Steering.
- Acceleration.
- Braking.

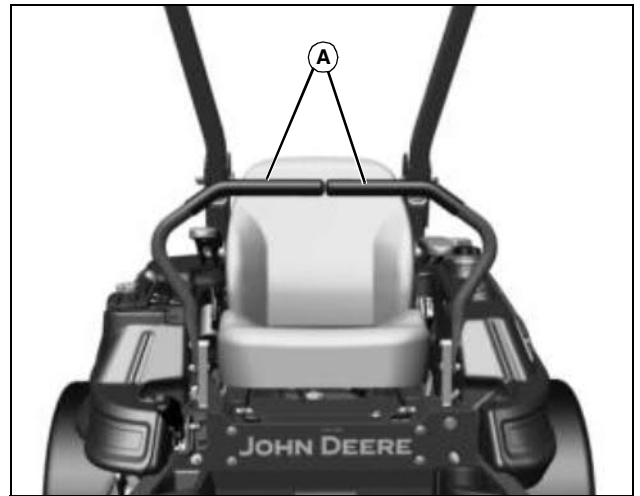
Neutral Lock Position



MX52177

- Forward and reverse movement of the motion control levers (A) is prevented when levers are moved to the neutral lock position.
- Operator can exit mower with the engine running when the PTO switch is disengaged, the motion control levers are in the neutral lock position and the park brake is locked.
- Motion control levers must be in the neutral lock position to safely enter and exit the operator seat.

Neutral Position



MX52178

- Machine speed, motion, and direction can be controlled when the engine is running, motion control levers are in the neutral position (A), and the park brake is unlocked.

Forward and Reverse Travel



CAUTION: Avoid injury! Children or bystanders may be injured by runover and rotating blades. Before traveling forward or rearward:

- Carefully check the area around the machine.
- Disengage the mower before backing up.

1. Move throttle lever to the fast position.
2. Unlock park brake.
3. Move both motion control levers from the neutral lock position inward to the neutral position.
4. Push the control levers forward to begin forward motion.
 - The farther forward the control levers are moved, the faster the machine will travel.
5. Pull both control levers rearward at the same time to begin reverse motion.
6. To stop motion, move both motion control levers forward or rearward until the machine comes to a stop.

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