

JOHN DEERE
WORLDWIDE COMMERCIAL & CONSUMER
EQUIPMENT DIVISION

Snowblower for Lawn Tractors
42-Inch

OMGX10988 G2

OPERATOR'S MANUAL

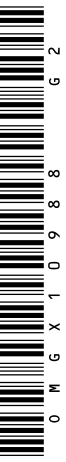


JOHN DEERE

North American Version
Litho in U.S.A.



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INTRODUCTION

Thank You for Purchasing a John Deere Product

We appreciate having you as a customer and wish you many years of safe and satisfied use of your machine.

Using Your Operator's Manual

This manual is an important part of your machine and should remain with the machine when you sell it.

Reading your operator's manual will help you and others avoid personal injury or damage to the machine. Information given in this manual will provide the operator with the safest and most effective use of the machine. Knowing how to operate this machine safely and correctly will allow you to train others who may operate this machine.

If you have an attachment, use the safety and operating information in the attachment operator's manual along with the machine operator's manual to operate the attachment safely and correctly.

This manual and safety signs on your machine may also be available in other languages (see your authorized dealer to order).

Sections in your operator's manual are placed in a specific order to help you understand all the safety messages and learn the controls so you can operate this machine safely. You can also use this manual to answer any specific operating or servicing questions. A convenient index located at the end of this book will help you to find needed information quickly.

The machine shown in this manual may differ slightly from your machine, but will be similar enough to help you understand our instructions.

RIGHT-HAND and LEFT-HAND sides are determined by facing in the direction the machine will travel when going forward. When you see a broken line arrow (----->), the item referred to is hidden from view.

Before delivering this machine, your dealer performed a predelivery inspection to ensure best performance.

Special Messages

Your manual contains special messages to bring attention to potential safety concerns, machine damage as well as helpful operating and servicing information. Please read all the information carefully to avoid injury and machine damage.



CAUTION: Avoid injury! This symbol and text highlight potential hazards or death to the operator or bystanders that may occur if the hazards or procedures are ignored.

IMPORTANT: Avoid damage! This text is used to tell the operator of actions or conditions that might result in damage to the machine.

NOTE: General information is given throughout the manual that may help the operator in the operation or service of the machine.

PRODUCT IDENTIFICATION

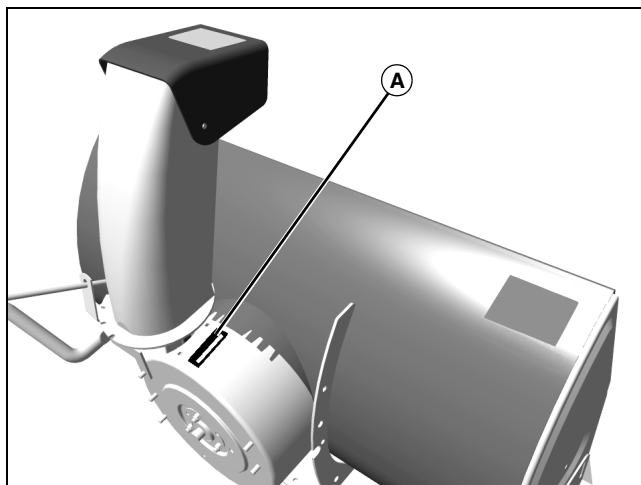
Record Identification Numbers

Snowblower For Lawn Tractors

42-Inch Serial No. (010001-)

When contacting an Authorized Service Center for information on servicing, always provide the product model and serial number.

Locate the model and serial number for the machine and record the information in the spaces provided below.



MX12405

DATE OF PURCHASE:

DEALER NAME:

DEALER PHONE:

PRODUCT SERIAL NUMBER (A):

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OMGX10988 G2 - English

SAFETY

Understanding The Machine Safety Labels



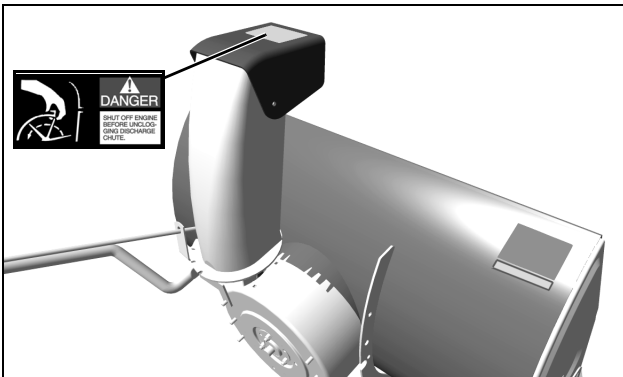
Safety-alert Symbol

The machine safety labels shown in this section are placed in important areas on your machine to draw attention to potential safety hazards.

On your machine safety labels, the words DANGER, WARNING, and CAUTION are used with this safety-alert symbol. DANGER identifies the most serious hazards.

The operator's manual also explains any potential safety hazards whenever necessary in special safety messages that are identified with the word, CAUTION, and the safety-alert symbol.

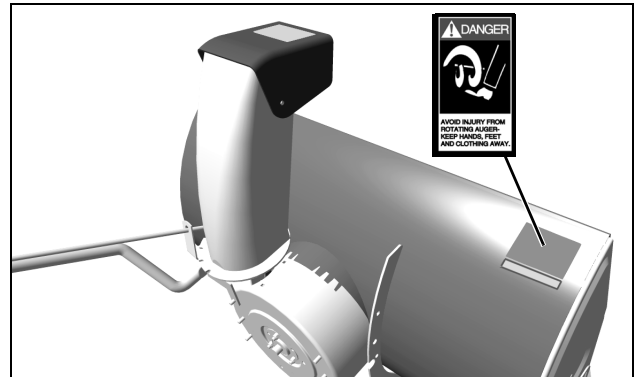
DANGER



MX10266/MX10212

Shut off engine before unclogging discharge chute.

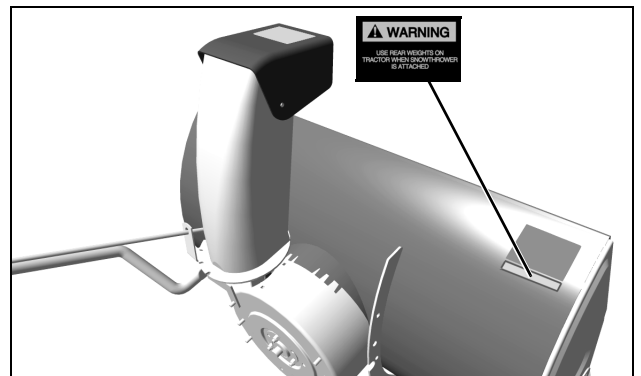
DANGER



MX10267/MX10212

Avoid injury from rotating auger-keep hands, feet and clothing away.

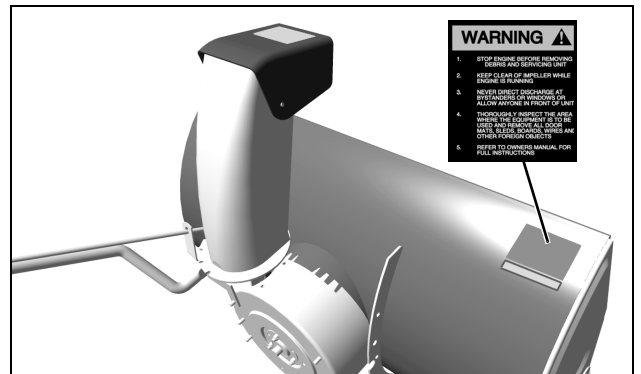
WARNING



MX10265/MX10212

Use rear weights on tractor when snowblower is attached.

WARNING



MX10267/MX10212

- Stop engine before removing debris and servicing unit.
- Keep clear of impeller while engine is running.

SAFETY

- Never direct discharge at bystanders or windows or allow anyone in front of unit.
- Thoroughly inspect the area where the equipment is to be used and remove all door mats, sleds, boards, wires and other foreign objects.
- Refer to owner's manual for full instructions.

Certification

Your product has been certified by an independent laboratory for compliance with American National Standard B-71.3, "Safety Specifications" for Snow Throwers.

Parking Safely

1. Stop machine on a level surface, not on a slope.
2. Disengage mower blades or any other attachments.
3. Lower attachments to the ground.
4. Lock the park brake.
5. Stop the engine.
6. Remove the key.
7. Wait for engine and all moving parts to stop before you leave the operator's seat.
8. Close fuel shut-off valve, if your machine is equipped.
9. Disconnect the negative battery cable or remove the spark plug wire (for gasoline engines) before servicing the machine.

Operating Safely

- Read the machine and attachment operator's manual carefully. Be thoroughly familiar with the controls and the proper use of the equipment. Know how to stop the machine and disengage the controls quickly.
- Let engine and machine adjust to outdoor temperatures before starting to clear snow.
- Do not let children or an untrained person operate machine.
- Never operate the machine without proper guards or other safety devices in place.
- Disengage all clutches and shift into neutral before starting the engine.
- Inspect machine before you operate and at frequent intervals while operating. Be sure hardware is tight. Repair or replace damaged badly worn, or missing parts.

- Make any necessary adjustments before you operate. Never attempt to make any adjustments while the engine is running, unless if recommended in adjustment procedure.
- Take all possible precautions when leaving the machine unattended. Shut off the engine before unclogging the housing or chute, or when making any repairs, adjustments, or inspections. Disengage the PTO, lower the attachment, lock the parking brake, stop the engine, and remove the key.
- Only operate during daylight or with good artificial light.
- Look behind machine before you back up. Back up carefully.
- Do not let anyone, especially children, ride on machine or attachment. Riders are subject to injury such as being struck by foreign objects and being thrown off. Riders may also obstruct the operator's view, resulting in the machine being operated in an unsafe manner.
- Do not operate machine when you are tired or ill or under the influence of drugs or alcohol.
- Do not overload the machine capacity by attempting to clear snow at too fast a rate.
- Never operate the machine at high transport speeds on slippery surfaces.
- Never direct the discharge chute at bystanders or allow anyone to stand in front of the unit.
- Never operate the machine near glass enclosures, automobiles, window wells, or drop-offs without first adjusting the angle and direction of the snow discharge.
- Use only attachments and accessories approved by the manufacturer of this product.
- After striking a foreign object, stop the engine, remove the spark plug wire, thoroughly inspect the machine for any damage, and repair the damage before starting and operating the machine.
- Do not clear snow across the face of slopes. Go up and down. Exercise extreme caution when changing direction on slopes. Do not attempt to clear steep slopes.
- Exercise extreme caution when operating on or near gravel drives, walks, or roads. Stay alert for hidden hazards or traffic.
- If the machine vibrates abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.
- Operate the machine and auger for a few minutes after throwing snow to prevent freeze-up of the impeller.
- Handle fuel with care. Use an approved fuel container. Never add fuel to a running engine or hot engine. Fill fuel tank outdoors with extreme care. Never fill tank indoors. Replace tank cap securely and wipe up spilled fuel.

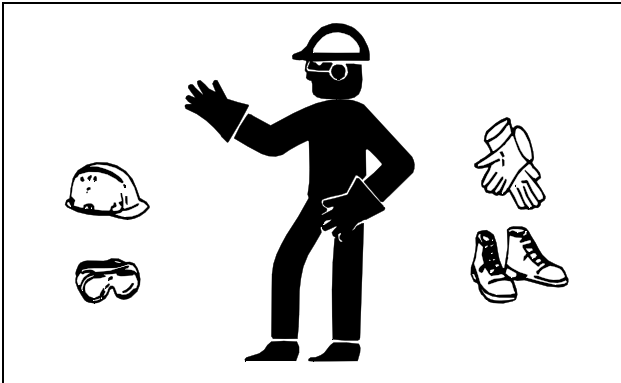
SAFETY

- Disengage the power to the attachment when the machine is transported or not in use.
- Do not wear radio or music headphones while operating the machine. Safe operation requires your full attention.
- Always refer to the Storage section of the operator's manual for important details if storing this product for a long period of time.

Checking Area to be Cleared

- Thoroughly inspect the area where the equipment is to be used and remove all doormats, sleds, boards, wires and other foreign objects.
- Keep people and pets out of the work area. Keep children indoors when blowing snow. Turn the machine off if anyone enters the area.
- Be extremely careful if you must clear snow from a gravel surface. Adjust the housing height to clear a gravel surface.

Wear Appropriate Clothing



- Always wear safety goggles or safety glasses with side shields when operating the machine.
- Wear adequate winter outer garments and footwear that will improve footing on slippery surfaces.
- Wear a suitable protective device such as earplugs. Loud noise can cause impairment or loss of hearing.

Avoid Injury from Moving Parts



MX10215

- Do not put hands or feet near or under rotating parts. Keep clear of the discharge area at all times.
- When cleaning, repairing, or inspecting, make certain all moving parts have stopped. Disconnect the spark plug wire to prevent accidental starting. Disconnect the cord to electrical motors.

Avoid Injury from Hitting Obstructions

- Raise the attachment when driving between jobs.
- Drive at slow speeds when using the attachment. Be cautious of hidden obstacles.

Practice Safe Maintenance



MIF

- Only qualified, trained adults should service this machine.
- Understand service procedure before doing work. Keep area clean and dry.
- Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect.
- Never lubricate, service, or adjust machine while it is

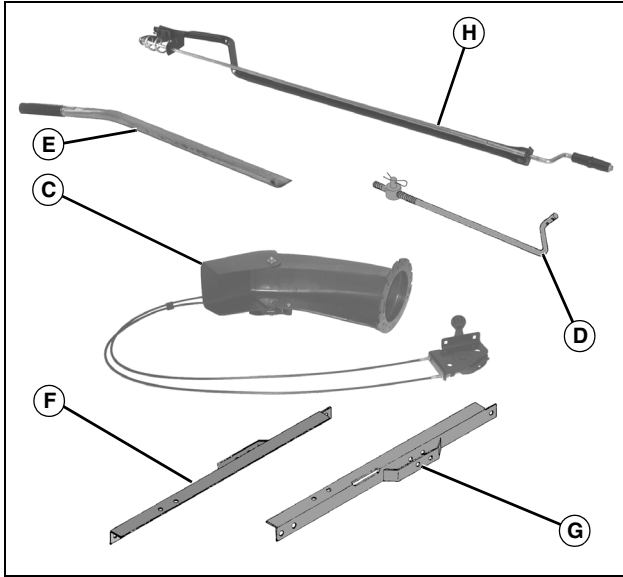
SAFETY

moving. Keep safety devices in place and in working condition. Keep hardware tight.

- Keep hands, feet, clothing, jewelry, and long hair away from any moving parts, to prevent them from getting caught.
- Lower attachments to the ground before servicing machine. Disengage all power and stop the engine. Lock park brake and remove the key. Let machine cool.
- Disconnect battery or remove spark plug wire (for gasoline engines) before making any repairs.
- Before servicing machine, carefully release pressure from any components with stored energy, such as hydraulic components.
- Check all shear bolts and other hardware at frequent intervals to be sure the equipment is in safe working condition.
- Securely support any machine elements that must be raised for service work. Use jack stands or lock service latches to support components when needed.
- Never run engine unless park brake is locked.
- Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Replace all worn or damaged safety and instruction decals.
- Do not modify machine or safety devices. Unauthorized modifications may impair its function and safety.

ASSEMBLY

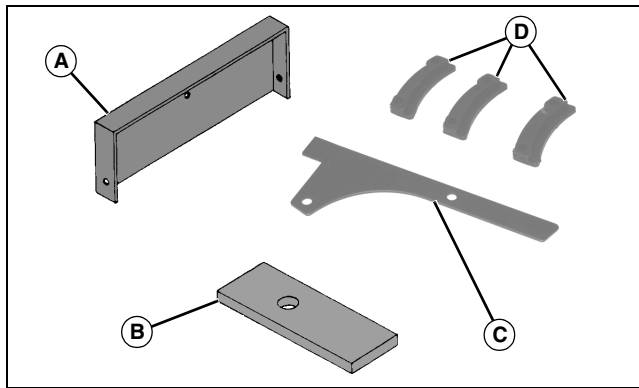
Identify Parts



MX12407

- A - Snowblower Assembly (not shown)**
- B - Mounting Frame Assembly (not shown)**
- C - Discharge Chute Assembly**
- D - Clutch Link Rod Assembly**
- E - Lift Handle**
- F - Left Mounting Angle**
- G - Right Mounting Angle**
- H - Chute Control Rod**

Bag of Parts



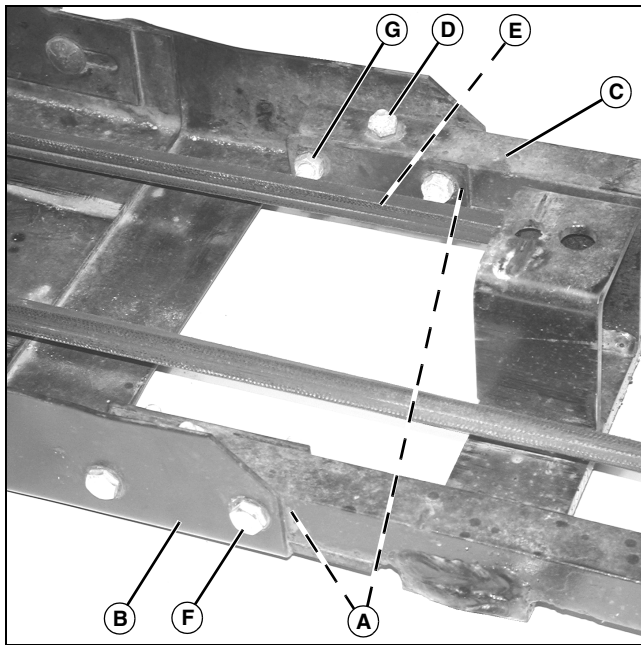
MX12406

Qty	Description	Size
1	Front Axle Bracket (A)	
2	Spacer Shim (B)	
1	Anti-Rotation Bracket (C)	
3	Chute Keeper (D)	
1	Grip Knob	

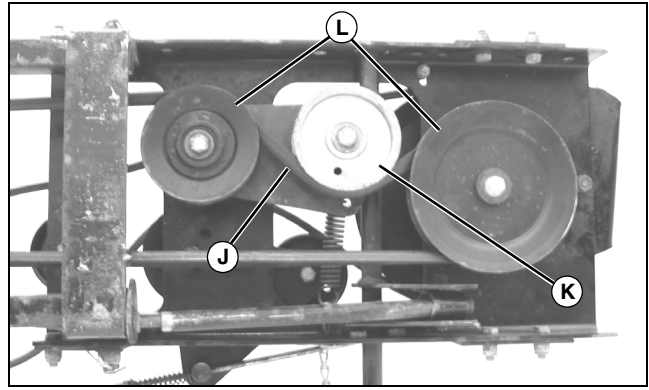
Qty	Description	Size
1	Tie Strap	
2	Rear Reflector	
1	Shear Bolt Pack Assembly	
1	Ramp Anchor Bracket	
2	Lag Screw	
2	Clevis Pin	3/8x1-1/4 in.
1	Cotter Pin	1/8x1 in.
3	Quick-Release Pin	.08x1.58 in.
2	Carriage Bolt	5/16x1 in.
2	Carriage Bolt	5/16x1-1/4 in.
2	Carriage Bolt	5/16x1-3/4 in.
2	Shoulder Bolt	3/8x5/8 in.
2	Hex Bolt	3/8x1-1/4 in.
2	Hex Bolt	3/8x1 in.
1	Hex Bolt	3/8x3/4 in.
6	Hex Bolt	1/4x1 in.
6	Hex Bolt	5/16x1-3/4 in.
2	Jam Nut	7/16 in.
6	Nut	5/16 in.
3	Two-Way Locknut	3/8 in.
4	Locknut	3/8 in.
6	Locknut	5/16 in.
6	Flanged Locknut	1/4 in.
6	Lock Washer	5/16 in.
6	Washer	1/4 in.
1	Washer	13/32 in.
2	Washer	5/16 in.
2	Bowed Washer	

ASSEMBLY

Assemble Frame

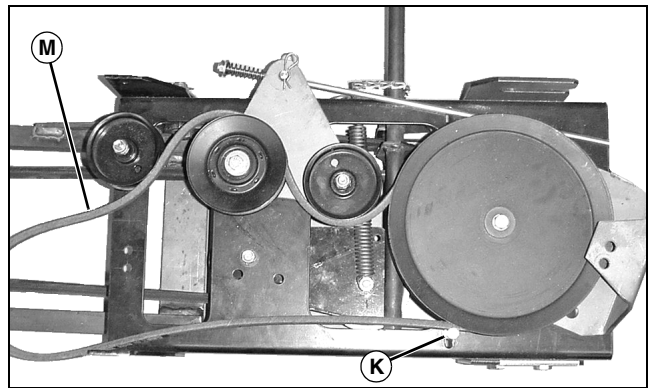


1. Place two spacer shims (A) inside rear of mounting channel (B) with the short end toward the front of snowblower and align holes.
2. Slide mounting frame (C) inside mounting channel.
3. Place wooden blocks under rear of mounting frame to align holes in mounting channel, mounting frame and spacer shims.
4. Insert 5/16x1-3/4 in. hex bolts (D), one on each side, through vertical hole in lower mounting frame bar, spacer shim and channel bracket. Secure with 5/16 locknuts (E). Do not tighten.
5. Insert 5/16x1-3/4 in. hex bolts (F), two on each side, through horizontal holes in channel bracket and lower frame bar. Secure with 5/16 in. locknuts (G). Tighten all fasteners.



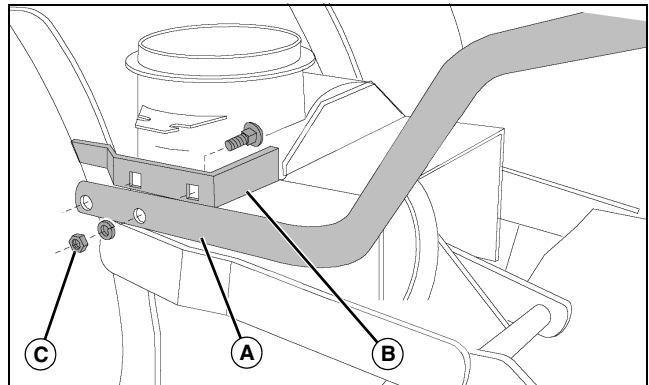
Picture Note: Underside of mounting frame shown to illustrate correct routing of lower V-belt.

6. Install lower V-belt (J) around mounting bracket idler (K) and pulleys (L).



7. Install upper V-belt (M) to idlers as shown.
8. Check belt routing. Make sure upper V-belt is routed inside belt guide (K).

Assemble Chute

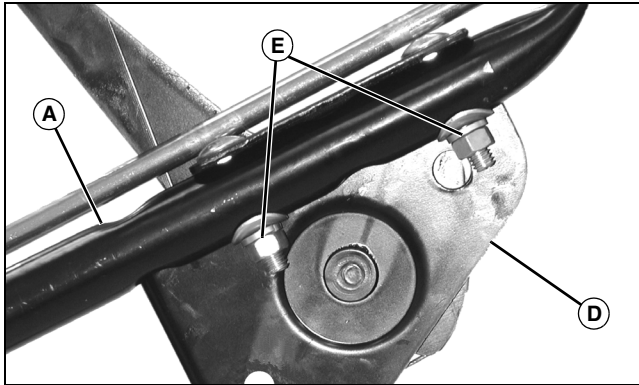


Picture Note: Left Side View

1. Assemble chute control rod (A) to bracket (B) on left

ASSEMBLY

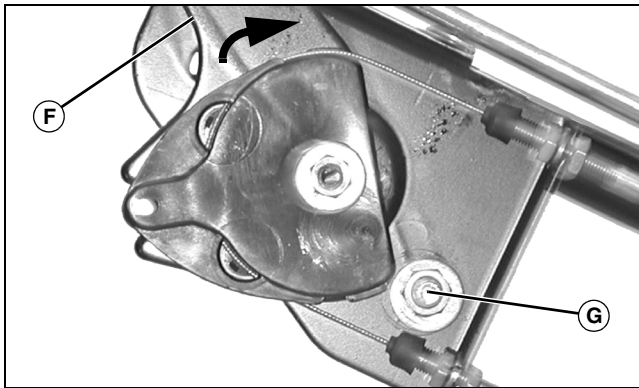
side of blower housing (B) using two 5/16x1-1/4 in. carriage bolts, 5/16 in. lock washers and 5/16 in. nuts (C).



MX10242

Picture Note: Left Side View

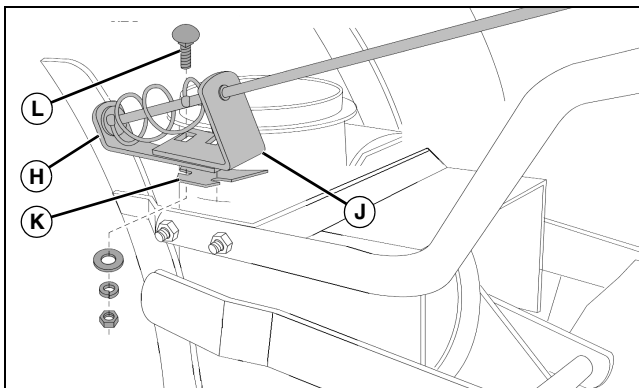
2. Attach control portion of discharge chute assembly (D) to top side of chute control rod (A) using two 5/16x1-3/4 in. carriage bolts, bowed washers, 5/16 in. lock washers and 5/16 in. nuts.



MX10243

Picture Note: Right Side View

3. Move tilt control handle (F) to forward position. Install 3/8x3/4 in. hex bolt, 13/32 in. washer and 3/8 in. two-way lock nut (G) through hole in tilt control assembly.

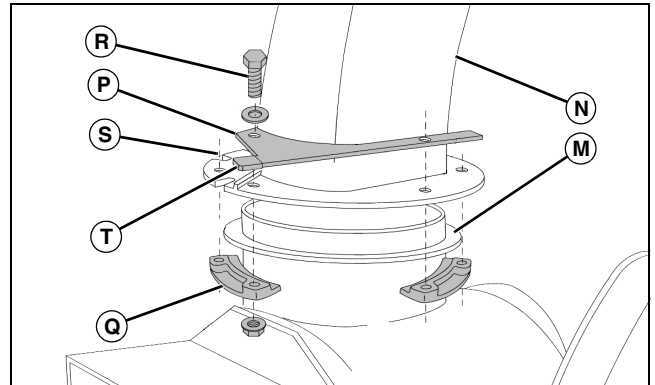


MX10222

Picture Note: Left Side View

4. Align chute crank bracket (H) beneath crank rod support

bracket (J) and attach both to the plastic bracket (K) on the left side of blower housing using two 5/16x1 in. carriage bolts, 5/16 in. washers, 5/16 in. lock washers and 5/16 in. nuts (L). Do not tighten.



MX10224

5. Coat the top of the discharge opening flange (M) with general purpose grease.

NOTE: To prevent binding of discharge chute, do not tighten plastic chute keepers beyond snug.

6. Place discharge chute (N) (facing forward) onto discharge opening flange (M). Place anti-rotation bracket (P) on top of discharge opening flange, aligning it with the holes on the right side of flange. Attach three chute keepers (Q) to bottom of flange using six 1/4x1 in. hex bolts, 1/4 in. washers and 1/4 in. lock nuts (R). Tighten carefully so that the nuts are snug, but do not dig into the plastic chute keepers.

7. Position crank rod spiral so that it does not rub against bottoms of notches in chute flange (S). Tighten 1/4 in. locknuts.

8. Check crank rod for free rotation. If binding occurs, loosen the six 1/4 in. locknuts by 1/4 turn.

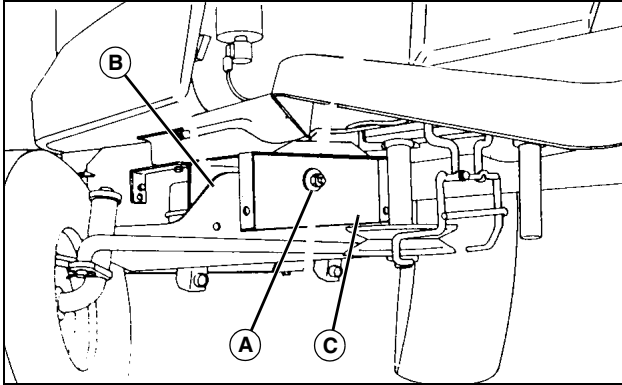
9. Tighten 5/16 in. nuts installed in step 4.

10. Install grip knob (T) on end of anti-rotation bracket (P).

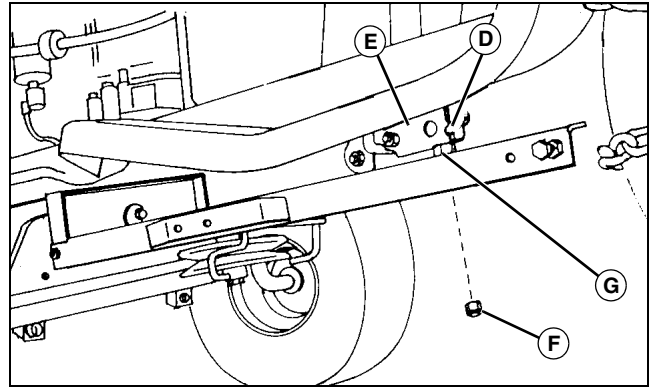
11. Secure control cables to crank rod support tube with tie strap.

PREPARING VEHICLE

Install Front Axle Bracket to Rear of Front Axle

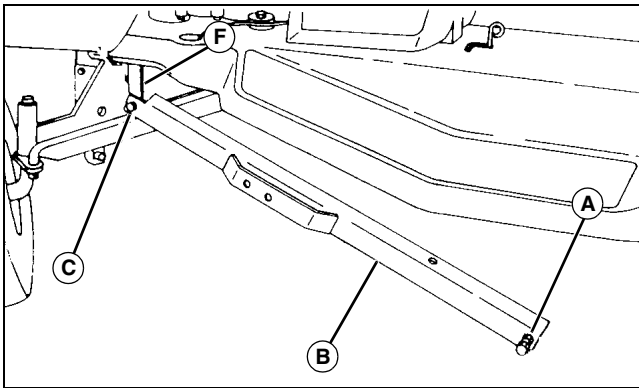


1. Remove nut and washer (A) from rear of machine front axle (B).
2. Position front axle bracket (C) over exposed bolt with flanged edges toward rear of machine.
3. Secure front axle bracket to front axle with original nut and washer (A).



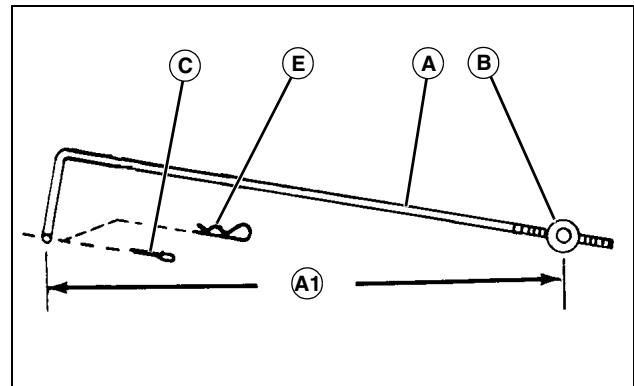
5. Insert 3/8x1-1/4 in. hex bolt (D) down through mower mounting bracket of machine (E), through 7/16 in. jam nut (F), used as a spacer, and through left mounting angle. Secure with 3/8 in. locknut (G).
6. Repeat procedure for right mounting angle.
7. Tighten securely the 3/8x1 in. hex bolt and 3/8 in. locknut on each side of front axle bracket.

Install Mounting Angles



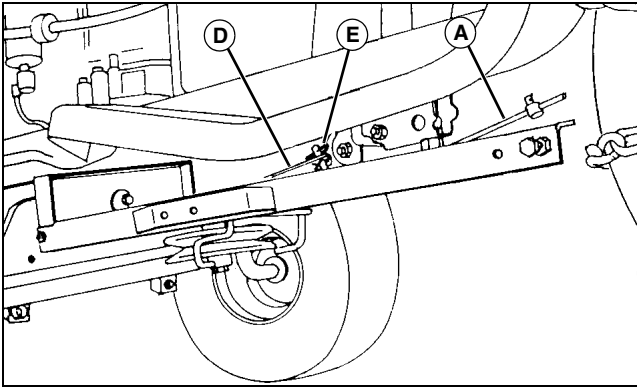
1. Insert 3/8x5/8 in. shoulder bolt (A) through second hole from end of left mounting angle (B). Secure with 3/8 in. two-way lock nut.
2. Insert 3/8x1 in. hex bolt (C) through from inside of front axle bracket (D).
3. Place left mounting angle (B) over end of 3/8x1 in. hex bolt and secure finger tight with 3/8 in. locknut.
4. Repeat procedure for right mounting angle.

Install Clutch Link Rod



1. Adjust clutch link rod (A) length (A1) to approximately 384 mm (15.00 in.) from center of bent end to center of adjustable anchor.
2. Insert 1/8x1 in. cotter pin (C) into hole nearest bend in clutch rod and spread ends to secure.

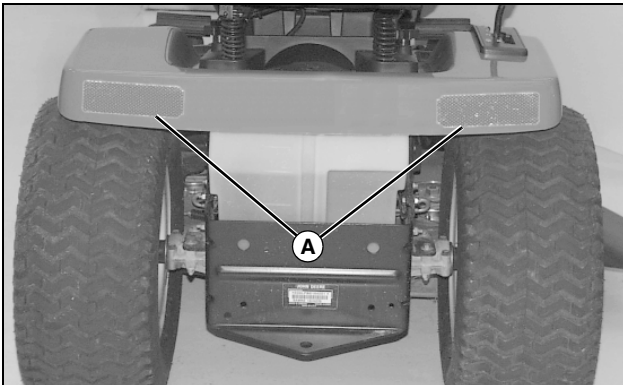
PREPARING VEHICLE



M95934

3. Insert bent end of clutch link rod up into hole in machine attachment actuating lever (D). Secure with quick-release pin (E).
4. Temporarily lay adjustable end of clutch link rod on top of left mounting angle until the snow removal attachment is installed.

Install Reflective Tape



M63893A

Apply reflective tape (A) to rear bumper of machines without reflectors.

INSTALLING

Preparing the Vehicle

NOTE: Read and complete the Assembly section at the front of this operator's manual if installing attachment for the first time.

Before installing attachment, remove mower from machine. (See Removing and Storing Mower section in machine operator's manual.)

Machine Setup

- Check tire pressure of machine before operating machine.

Installing Ballast



CAUTION: Avoid injury! Ballast is required when the attachment is installed.

When the attachment is removed, also remove any ballast that was added to the machine.

Use only attachments and accessories recommended by the manufacturer.

Ballast is required to improve traction and maneuverability:

- One 14 kg (31 lb) rear wheel weight is required on each side. See an Authorized Service Center.
- Rear tire chains can be added to help improve traction further. See an Authorized Service Center.

Positioning Machine Over Snowthrower Frame

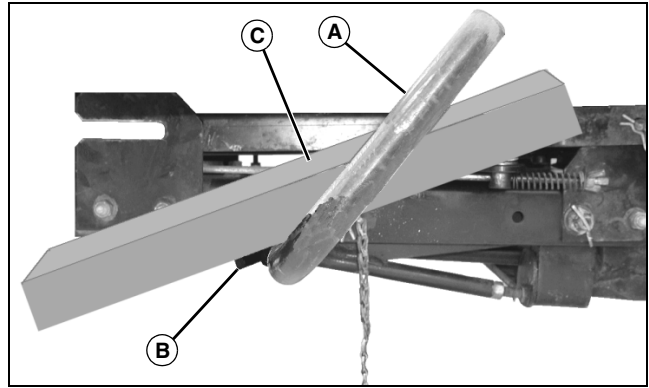


CAUTION: Avoid injury! Attachment is heavy.

Make sure hands and arms are not under attachment when installing or removing.

NOTE: A ramp is required to make it easier to roll the right front tire over the snowblower lift bar.

1. Park machine safely. (See Parking Safely in the Safety Section.)



MX10232

Picture Note: Right Side View

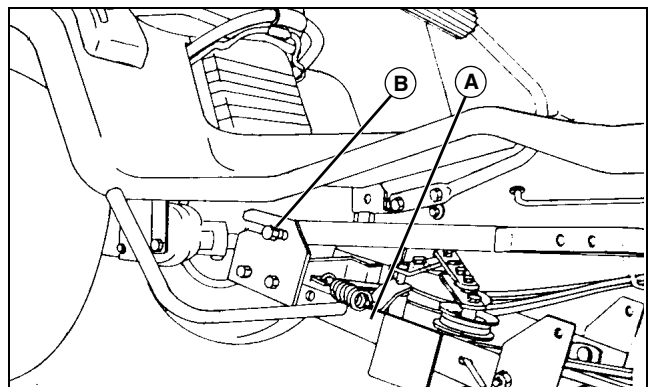
2. Clamp lift bar (A) between ramp and anchor bracket (B) and a 20 cm (8 in.) long board (C) using two lag screws.
3. Move machine mower lift handle to raised position.

IMPORTANT: Avoid damage! The transmission might be damaged if the free-wheeling lever is not pushed back in to operating position before attempting to start the engine.

- Do not start or operate the machine with the free-wheeling lever pulled out.
- Start or operate only with the lever pushed in.

4. Pull free-wheeling lever at rear of machine to allow machine to be pushed.
5. Push machine forward until right front tire is over ramp.
6. Push in free-wheeling lever.
7. Remove lag screws, ramp anchor bracket and board. Retain for use in removal of snowblower.

Installing Upper Mounting Frame



M95943

1. Position upper mounting frame (A) in line with machine frame.

INSTALLING

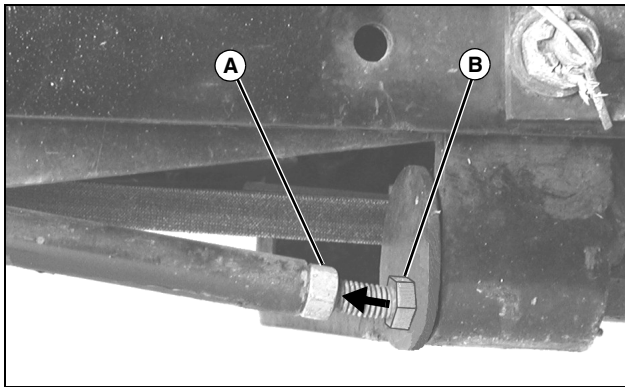
2. Move snowblower lift lever to raised (rearward) position.
3. Lift rear of upper mounting frame and roll machine forward sliding rear slots of upper mounting frame onto 3/16x5/8 in. bolts (B) protruding from mounting angles on machine.

Installing Lower Mounting Frame



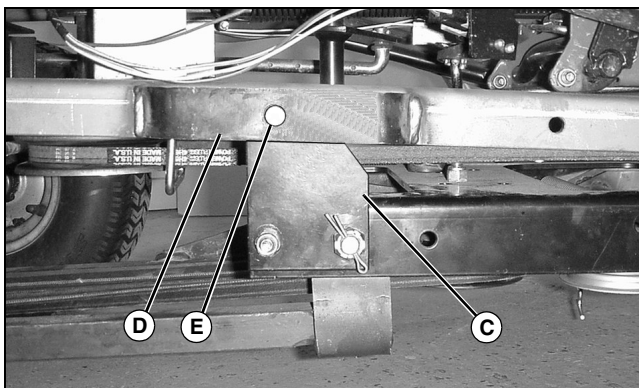
CAUTION: Avoid injury! Disconnect spark plug wire or wires to prevent unintended starting of engine.

1. Move machine attachment lever to disengaged (off) position.
2. Move snowblower lift lever to lowered (forward) position.



MX10217

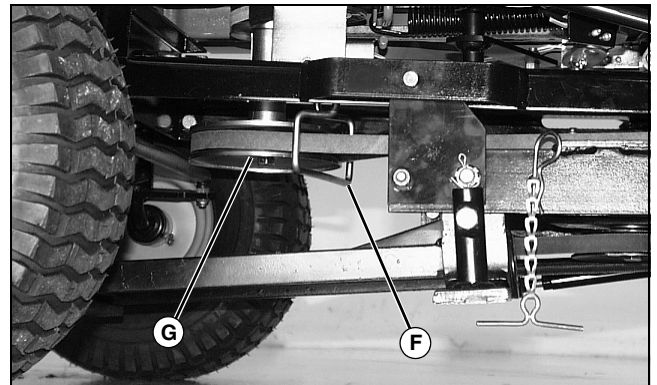
3. Loosen lift height adjustment jam nut (A) and turn bolt (B) all the way in.
4. Raise lower mounting frame using boards on each side so that front mounting bracket holes are near mounting angle holes.



MX10233

5. Use a pry bar to align hole in front mounting brackets (C) with hole in mounting angle (D) and secure with 3/8x1-1/4 in. clevis pins and quick-release pins (E).
6. Remove boards from under snowthrower.

IMPORTANT: Avoid damage! Route upper V-belt inside belt guide. Routing belt incorrectly can cause belt damage.

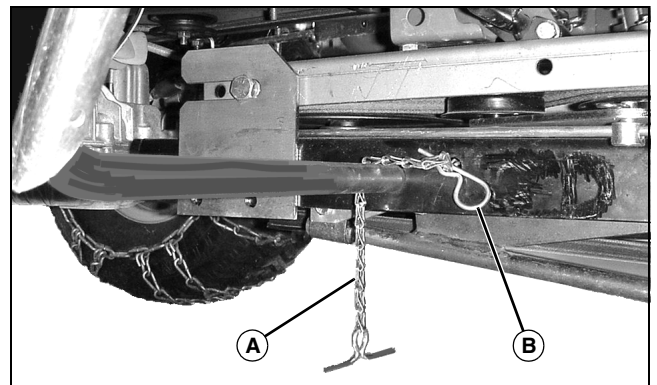


MX0226

7. Move belt guide (F) and roll upper V-belt around machine engine drive pulley (G).

Set Lower V-Belt Tension

IMPORTANT: Avoid damage! Belts can come off of pulleys during installation. After installing snowblower, check all belts to ensure proper routing, seating in pulleys and tension.



MX10234

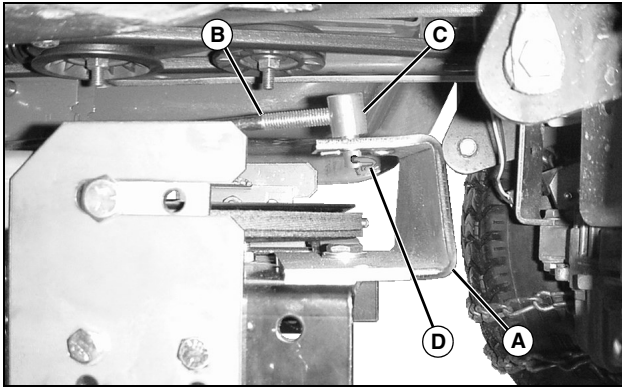
Pull tensioning chain (A) to tighten lower V-belt and secure with quick-release pin (B).

Installing Clutch Link Rod Assembly

1. Move machine attachment lever to disengaged (off) position.

INSTALLING

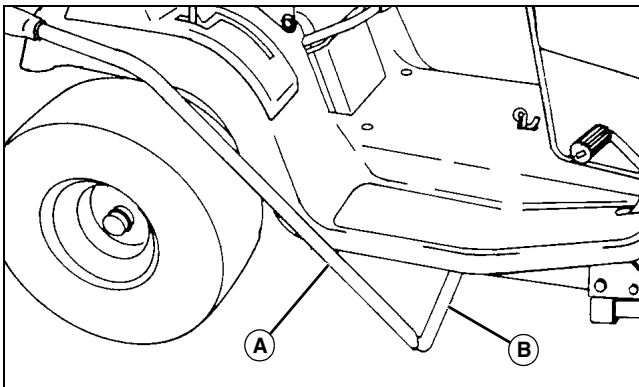
NOTE: Control rod anchor must be assembled into clutch bellcrank from top, using left hole.



MX12409

2. Move clutch bellcrank (A) to left side of snowblower attachment frame and hold against stop.
3. Adjust length of clutch link rod (B) until control rod anchor (C) is aligned with left hole in clutch bellcrank.
4. Remove quick-release pin (D) in control rod anchor.
5. Insert control rod anchor through left hole in clutch bellcrank. Secure with original quick-release pin (D).

Installing Lift Handle on Attachment



M95948

1. Slide lift handle (A) over end of lift bar (B) with grip offset toward operator's position of tractor.
2. Adjust lift height.

REMOVING

Removing Snowblower

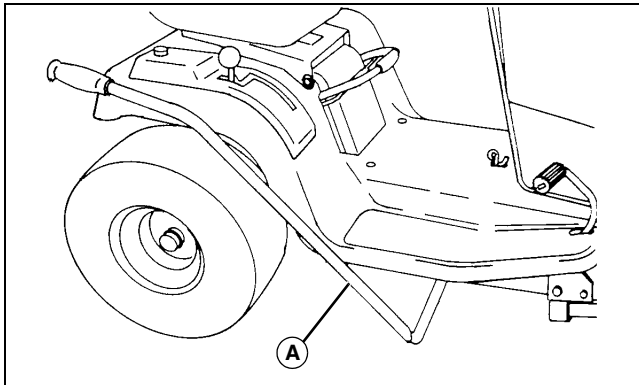
1. Park machine safely. (See Parking Safely in Safety section.)



CAUTION: Avoid injury! Attachment is heavy.

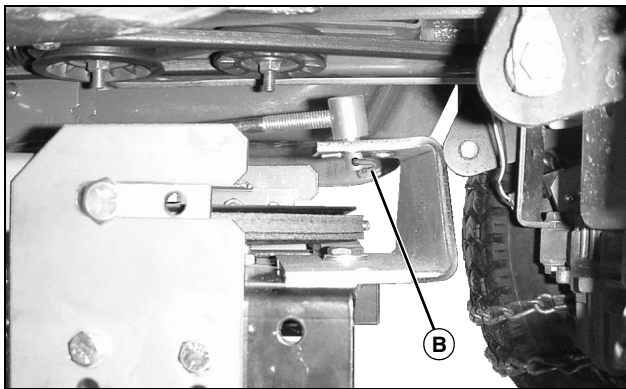
Make sure hands and arms are not under attachment when installing or removing.

NOTE: Install all drilled pins and quick-release pins in snowblower assembly for storage.



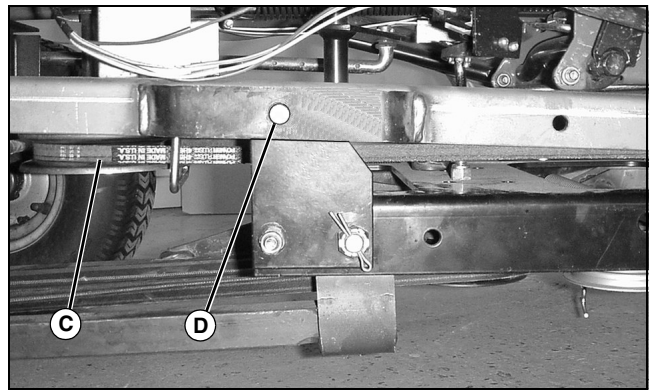
M95948

2. Lower snowblower and remove lift handle (A).



MX12409

3. Remove quick-release pin (B) from control rod anchor to disconnect clutch link rod from machine attachment engagement lever.



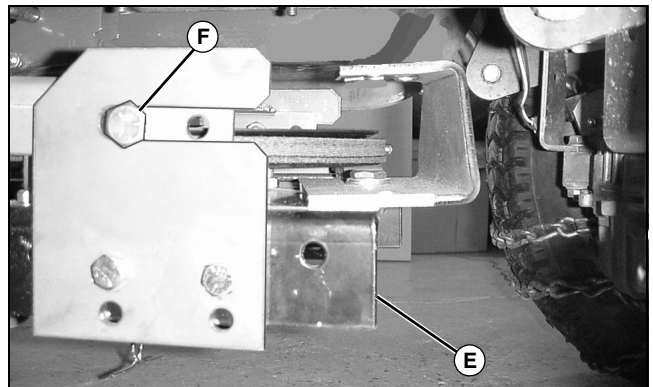
MX10233

4. Remove upper V-belt from engine drive pulley (C).
5. Use a pry bar to relieve weight on clevis pins (D) and remove quick-release pins and clevis pins from front mounting brackets. Lower upper mounting frame to ground.

IMPORTANT: Avoid damage! The transmission might be damaged if the free-wheeling lever is not pushed back in to operating position before attempting to start the engine.

- Do not start or operate the machine with the free-wheeling lever pulled out.
- Start or operate only with the lever pushed in.

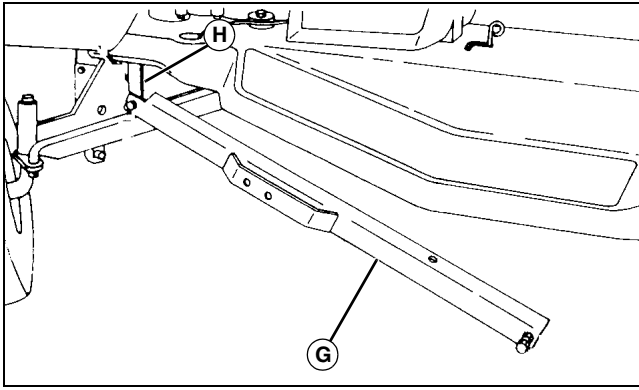
6. Pull free-wheeling lever at rear of machine to allow machine to be pushed.



MX10236

7. Roll machine backwards carefully until rear of upper mounting frame (E) can be lowered from 3/16x5/8 in. hex bolts (F) in mounting angles.
8. Install ramp (used in installation) on lift bar and roll machine backwards off of snowblower.

REMOVING



M95931

9. Remove both left and right mounting angles (G) from machine. Install hardware into holes in mounting angles for storage.

- Front axle bracket (H) may be left installed to machine as desired.



CAUTION: Avoid injury! When the attachment is removed, also remove any ballast that was added to the machine.

Use only attachments and accessories recommended by the manufacturer.

10. Remove any weights that were installed when installing attachment.

IMPORTANT: Avoid damage! The transmission might be damaged if the free-wheeling lever is not pushed back in to operating position before attempting to start the engine.

- Do not start or operate the machine with the free-wheeling lever pulled out.
- Start or operate only with the lever pushed in.

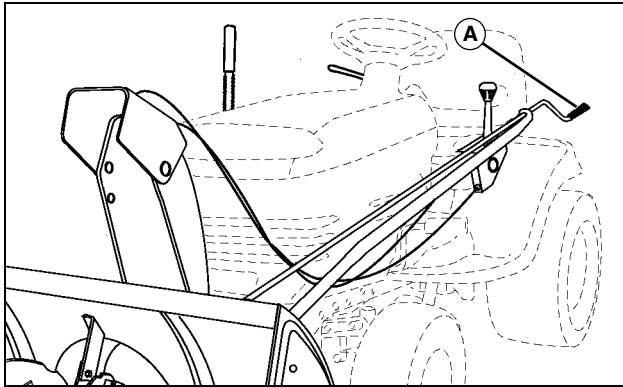
11. Push in free-wheeling lever at rear of machine.

OPERATING

Turning Discharge Chute



CAUTION: Avoid injury! Never direct discharge at bystanders or allow anyone in front of the unit. Change the discharge direction to avoid bystanders, buildings, and automobiles.



MX10225

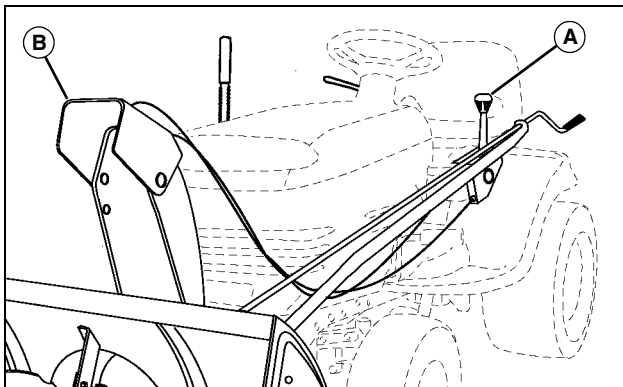
- Turn handle (A) clockwise to rotate chute to the right.
- Turn handle (A) counter-clockwise to rotate chute to the left.

Adjusting Spout



CAUTION: Avoid injury! Before you adjust spout:

- Stop the attachment.
- Stop the engine.
- Lower attachment to the ground.
- Lock the park brake.
- Wait for all moving parts to stop.

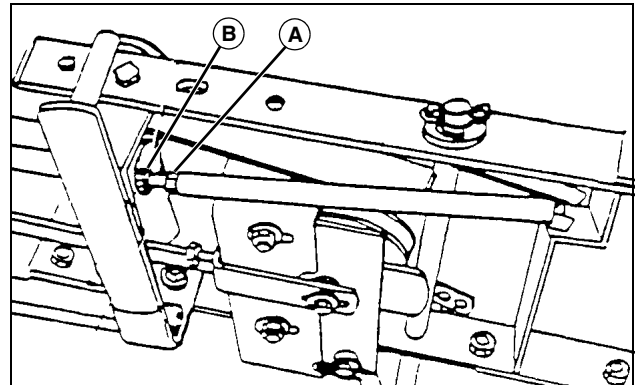


MX10225

To increase the distance snow is discharged, pull back on spout control handle (A) to adjust spout (B).

Adjusting Lift Height

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

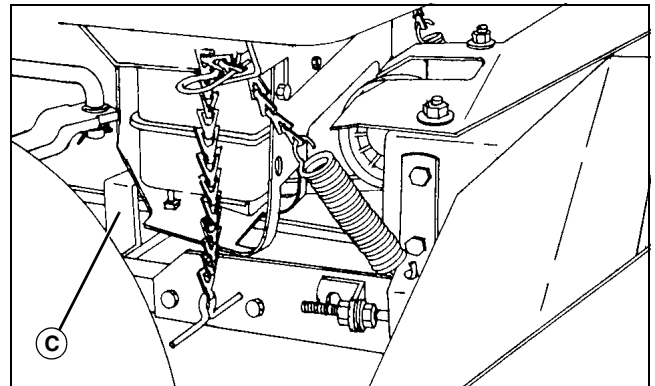


M95955

2. Loosen jam nut (A) and turn lift height adjustment bolt (B):

- To increase lift height: Turn adjustment bolt clockwise. Tighten nut.
- To decrease lift height: Turn adjustment bolt counterclockwise. Tighten nut.

3. Lift snow removal attachment to check adjustment and make further adjustments, if necessary.



M95956

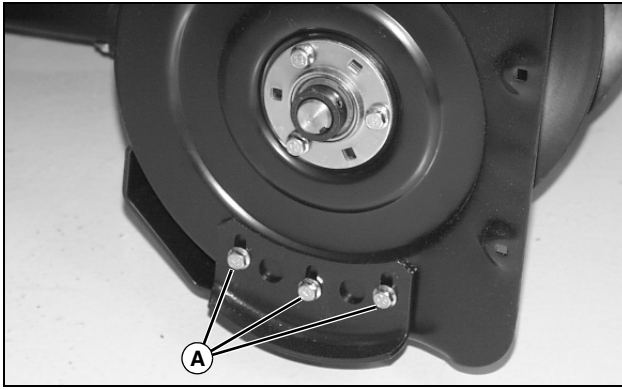
4. If up stop (C) hits front axle of machine, tighten jam nut. If not, repeat procedure.

Adjusting Skid Shoes

NOTE: Before using snow removal attachment on gravel or uneven surfaces, lower skid shoes fully. Both skid shoes must be in the same position.

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

OPERATING



M63889

2. Loosen bolts (A) on each skid shoe.
3. To clear snow from a flat surface, lower skid shoes so that scraper blade is 2–3 mm (1/16–1/8 in.) above surface.
4. To clear snow from a rough or a gravel surface, raise skid shoes so that scraper blade has maximum clearance.
5. Tighten bolts.

Raising and Lowering Attachment



CAUTION: Avoid injury! Attachment can lower rapidly. Keep bystanders, especially children, away from attachment when raising and lowering.



M63898A

- To lower attachment: Push lift lever (A) forward to latch in lockout position.
- To raise attachment: Pull lift lever (A) back.

Operating Snow Removal Attachment



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.

NOTE: Lift lever must be in float position to allow snow removal attachment to follow contours of ground.

1. Start engine.
2. Push lift lever forward to lower snow removal attachment to ground and lock in float position.
3. Unlock park brake.

IMPORTANT: Avoid damage! Do not engage PTO if engine is at full throttle. Engaging PTO with engine at full throttle can damage clutch.

4. Engage PTO.

NOTE: Operate snow removal attachment at full throttle for best performance.

5. Move throttle lever to full throttle position.



CAUTION: Avoid injury! Do not operate machine at high speeds when operating the attachment.

6. Push down on forward foot control pedal to begin forward movement.

Stopping the Snow Removal Attachment

1. Slow the machine forward speed.
2. Move the throttle to slow speed.
3. Run the snow removal attachment for several minutes after throwing snow to prevent freeze-up of the auger and impeller.
4. Clean snow from the snow removal attachment before storing the machine.

OPERATING

Inspect, Unplug, or Park Snow Removal Attachment Safely

1. Stop machine.
2. Lower snow removal attachment to the ground.
3. Disengage PTO.
4. Lock park brake.
5. Stop engine.
6. Remove key.



CAUTION: Avoid injury! Rotating parts can cause serious injury. Wait for engine and all moving parts to stop before leaving operator's seat.

7. Wait for engine and all moving parts to stop before leaving operator's seat.

Transporting



CAUTION: Avoid injury! Use extra care when loading or unloading the machine into a trailer or truck.

Close fuel shut-off valve, if your machine is equipped.

IMPORTANT: Avoid damage! Always lower attachment to trailer deck when transporting.

1. Drive machine and snow removal attachment onto heavy-duty trailer equipped with lights and signage required by law.
2. Lower snow removal attachment to trailer deck.
3. Stop engine.
4. Lock park brake.
5. Fasten machine and snow removal attachment to deck with straps, chains, or cables.

REPLACEMENT PARTS

Service Literature

If you would like a copy of the Parts Catalog or Technical Manual for this machine call:

- **U.S. & Canada:** 1-800-522-7448.
- All Other Regions: Your John Deere dealer.

Parts

We recommend John Deere quality parts and lubricants, available at your John Deere dealer.

Part numbers may change, use part numbers listed below when you order. If a number changes, your dealer will have the latest number.

When you order parts, your John Deere dealer needs your machine serial number and engine serial number. These are the numbers that you have recorded in the Introduction section of this manual.

ITEM	PART NUMBER
Upper V-Belt	GXH48158
Lower V-Belt	GXH24522
Skid Shoes	GXH24279
Scraper Blade	GXH24773
Shear Bolt	GXH47890

Part numbers are subject to change without notice. Part Numbers may be different outside the U.S.A.

SERVICE

Service Intervals

Each Use

- Check for loose fasteners.
- Lubricate discharge chute.

Every 10 Hours or Annually

- Lubricate auger bearings.
- Lubricate discharge chute.
- Lubricate lift bar.
- Check and adjust lift height.
- Check skid shoes and scraper blade and replace if necessary.
- Check V-belts. Replace if worn.
- Check auger. Straighten if needed.

As Required

- Check discharge chute drive tube.
- Check skid shoes.

Grease

IMPORTANT: Avoid damage! Use recommended John Deere greases to avoid component failure and premature wear.

The recommended John Deere greases are effective within an average air temperature range of -29 to 135 degrees C (-20 to 275 degrees F).

If operating outside that temperature range, contact your Servicing dealer for a special-use grease.

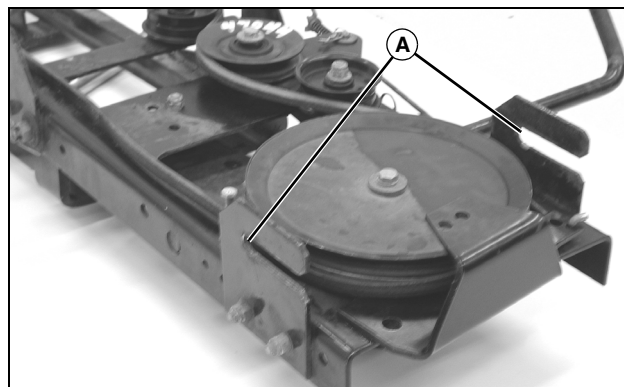
The following greases are preferred:

- John Deere Multi-Purpose SD Polyurea Grease
- John Deere Multi-Purpose HD Lithium Complex Grease
- John Deere Moly High Temperature EP Grease

If not using any of the preferred greases, be sure to use a general all-purpose grease with an NLGI grade No.2 rating.

Wet or high speed conditions may require use of a special-use grease. Contact your Servicing dealer for information.

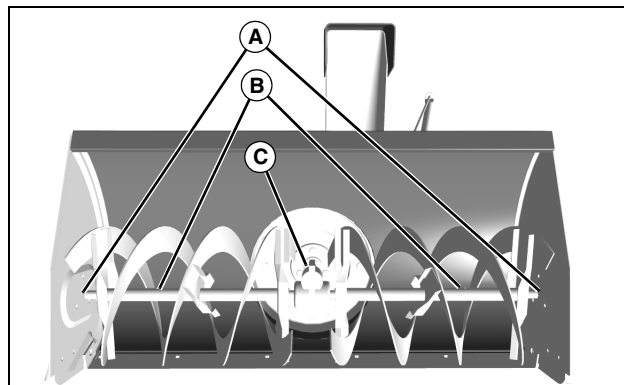
Lubricating Lift Bars



MX10237

Lubricate lift bars (A) with light machine oil (SAE30 APIS6).

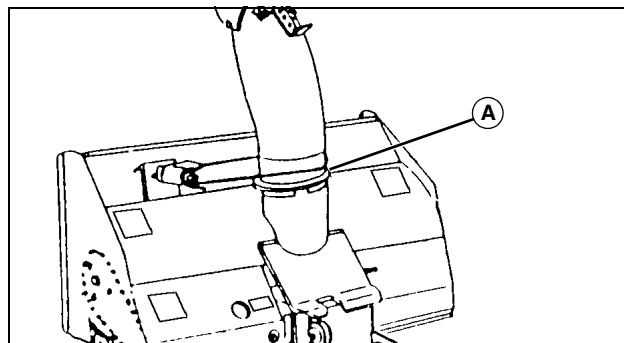
Lubricating Auger



MX10219

Lubricate auger bearings (A), auger tubes (B) and discharge fan (C) with a preferred grease.

Lubricating Discharge Chute



M95961

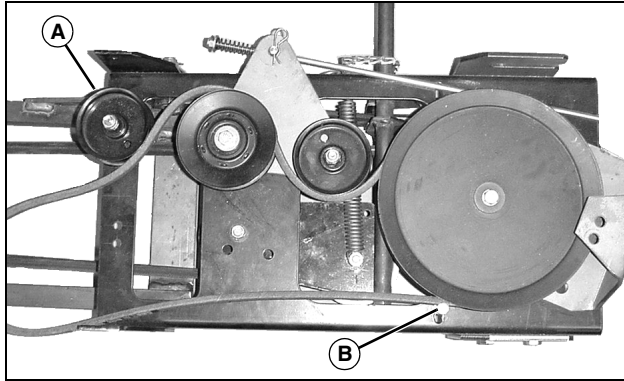
Lubricate discharge chute (A) with general purpose lubricant.

SERVICE

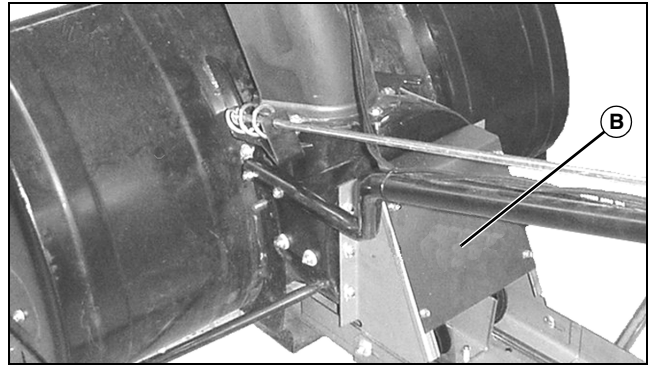
Replacing Upper V-Belt

1. Park machine safely. (See Parking Safely in the Safety section.)
2. Remove attachment from machine.
3. Remove damaged V-belt.

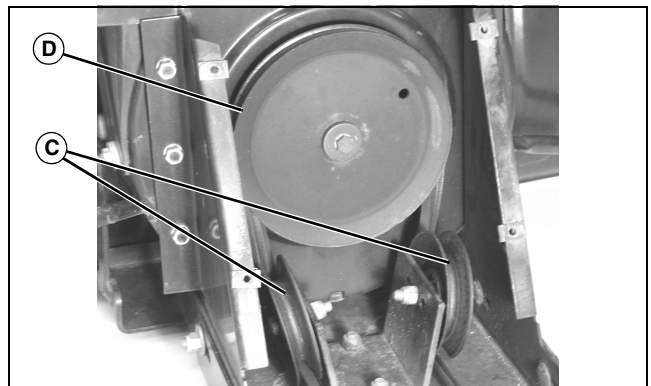
IMPORTANT: Avoid damage! Route upper V-belt inside belt guide. Routing belt incorrectly can cause belt damage.



4. Install new V-belt on upper idlers as shown.
5. Check belt routing. Make sure that upper V-belt is routed inside clutch idler pulley (A) and belt guide (B).
6. Install attachment.



3. Remove drive pulley guard (B) from auger housing.
4. Roll lower V-belt off of jack shaft pulley, idlers and mounting bracket pulley and remove it from attachment.

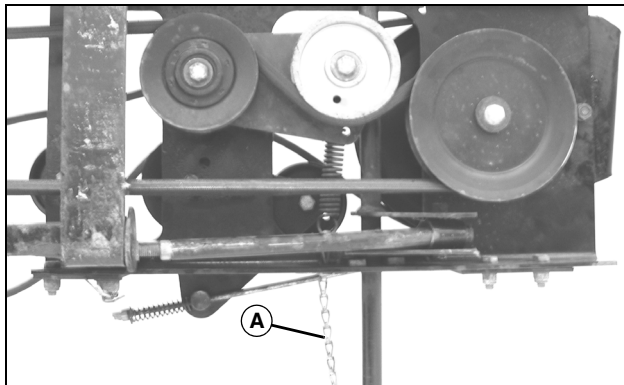


5. Install new V-belt under two idler pulleys (C) and roll it around the jack shaft pulley (D) inside the auger housing.

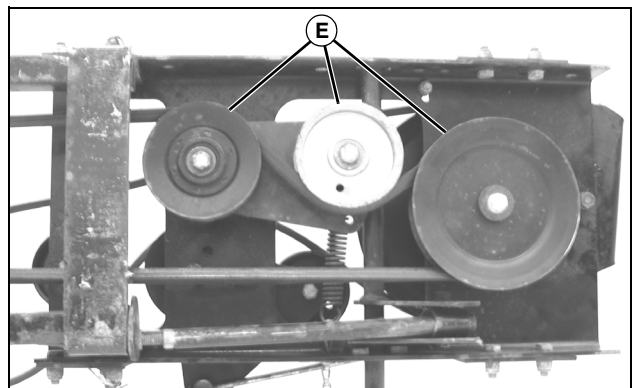
Replacing Lower V-Belt

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

NOTE: It is not necessary to remove attachment for this procedure. It is shown removed for illustration clarity only.



2. Remove quick-release pin from belt tensioner (A) and loosen lower V-belt tension.



Picture Note: Underside of mounting frame shown to illustrate correct routing of lower V-belt.

6. Assemble new lower V-belt around mounting bracket pulley and idlers (E) as shown.
7. Install drive pulley guard on auger housing.
8. Set lower V-belt tension.

TROUBLESHOOTING

Using Troubleshooting Chart

If you are experiencing a problem that is not listed in this chart, see your Authorized Service Center.

When you have checked all the possible causes listed and you are still experiencing the problem, see your Authorized Service Center.

IF	CHECK
Auger Housing Vibration	Failed Bearing. (See an Authorized Service Center.)
Lower V-Belt Fluttering	Lower V-belt loose.
Clogged Discharge Chute	Machine ground speed too fast. Machine engine speed too slow. Snow too deep.
Discharge Chute Difficult to Rotate or Does Not Hold Position	Discharge chute keeper nuts too tight. Discharge chute flange not lubricated.
Burned Rubber Smell	Worn or broken V-belt. Upper V-belt outside of retainers. V-belt not seated on pulley. Object caught in auger or discharge fan.
Snowblower Does Not Lift	Adjusting bolt in too far. Object caught between upper and lower mounting frame.
Snowblower Kills Machine Engine	Object caught in auger or discharge fan. Very hard or heavy snow. Very wet snow.

STORAGE

Storing Safety



CAUTION: Avoid injury! Fuel vapors are explosive and flammable. Engine exhaust fumes contain carbon monoxide and can cause serious illness or death:

- Run the engine only long enough to move the machine to or from storage.
- Do not store vehicle with fuel in the tank inside a building where fumes may reach an open flame or spark.
- Allow the engine to cool before storing the machine in any enclosure.

Storing Attachment

1. Remove attachment.
2. Clean attachment with water pressure from a hose.
3. Repair or replace worn, bent, or damaged parts. Tighten loose hardware.
4. Apply paint to areas that need it to prevent rust.
5. Lubricate pivot points with engine oil to prevent rust.
6. Lubricate grease points.
7. Cover attachment if stored outdoors.

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QUALITY STATEMENT

Your product, designed and built by John Deere, is more than just a purchase, it's an investment in quality. That quality goes beyond our equipment to your dealer's parts and service support.

That's why John Deere has initiated a process to handle your questions or problems, should they arise. If you have questions or problems with your new product, please follow the steps below.

To locate your nearest authorized servicing dealer, please call the toll free number listed in your Tractor Operator's Manual.

Step 1

Refer to your operator's manual

- | | |
|---|---|
| A. It has many illustrations and detailed information on the safe and proper operation of your equipment. | C. It gives ordering information for parts catalogs, service and technical manuals. |
| B. It gives troubleshooting procedures, and specification information. | D. If your questions are not answered in the operator's manual, then go to Step 2. |

Step 2

Contact your dealer

- | | |
|---|---|
| A. Your authorized servicing dealer has the responsibility, authority, and ability to answer questions, resolve problems, and fulfill your parts and service needs. | C. If the parts and service people are unable to resolve your problem, see the dealership manager or owner. |
| B. First, discuss your questions or problems with your dealer's trained parts and service staff. | D. If your questions or problems are not resolved by the dealer, then go to Step 3. |

Step 3

Call the Customer Communications Center

- A. Your authorized servicing dealer is the most efficient source in addressing any concern, but if you are not able to resolve your problem after checking your operator's manual and contacting your dealer, call the Customer Communications Center.
- B. For prompt, effective service, please have the following ready before you call:
- | | |
|--|---|
| <ul style="list-style-type: none">• The name of the dealer with whom you've been working.• Your equipment model number.• Number of hours on machine (if applicable). | <ul style="list-style-type: none">• Your 13-digit serial number which you recorded on the inside front cover of this manual.• If the problem is with an attachment, your attachment identification number. |
|--|---|
- C. Then refer to your Tractor Operator's Manual to locate the Customer Communications Center toll free number and call our advisor who will work with your dealer to investigate your concern.