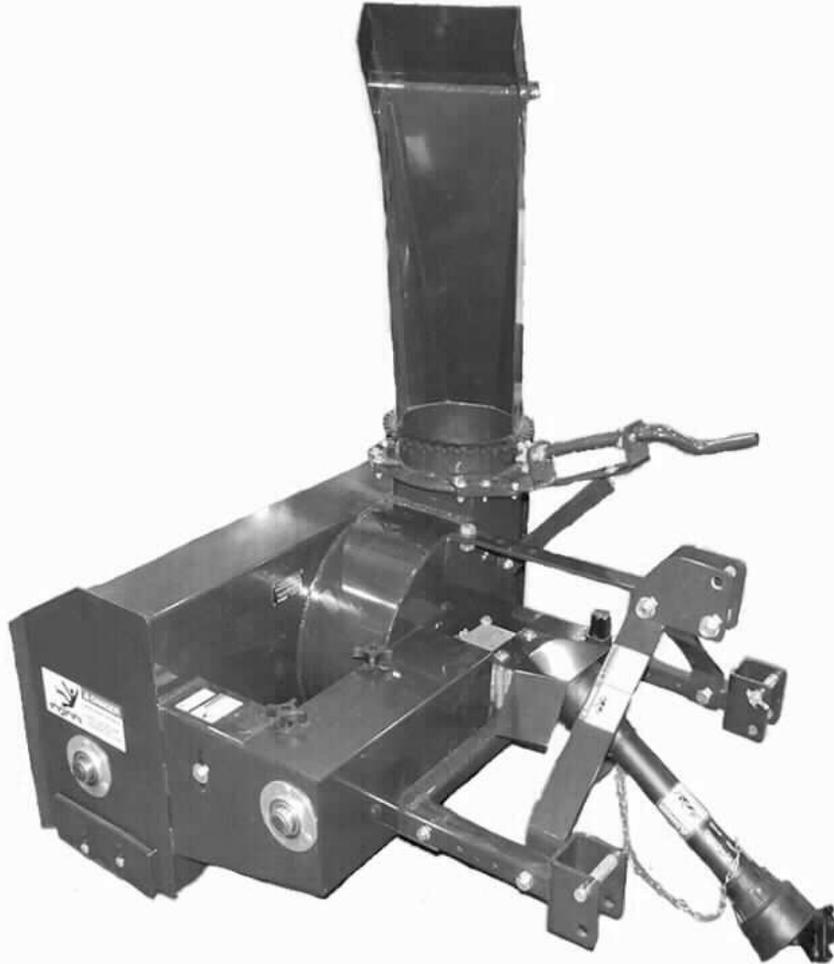




EN

Operation & Maintenance Manual

Three-Point Snowblower



Snowblower 50 Inch S/N: B65L00101 & Above
Snowblower 60 Inch S/N: B65M00101 & Above
Snowblower 66 Inch S/N: B65N00101 & Above
Snowblower 74 Inch S/N: B65P00101 & Above



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MANUFACTURER

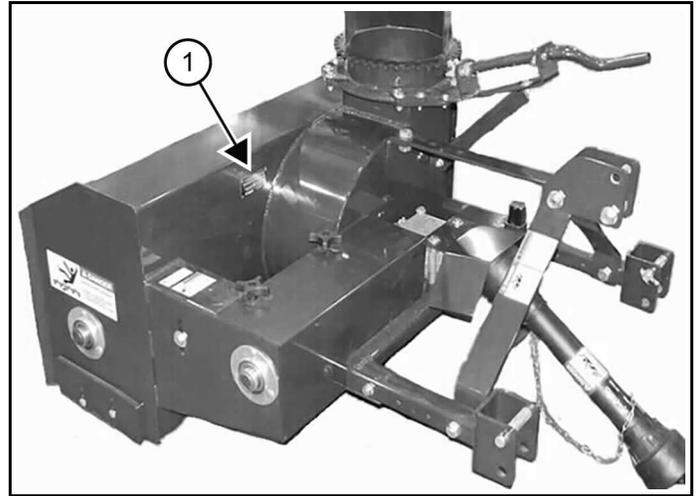
North America

Ignite Attachments
2741 20th Avenue South
Moorhead, MN 56560

SERIAL NUMBER LOCATION

Implement Serial Number

Figure 1

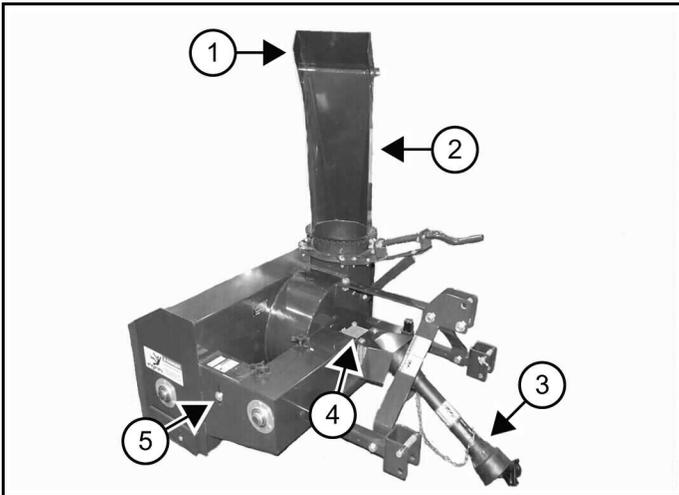


C138239e

Always use the serial number of the three-point snowblower when requesting service information or when ordering parts. Early or later models (identification made by serial number) may use different parts, or it may be necessary to use a different procedure in doing a specific service operation (Item 1) [Figure 1].

IMPLEMENT IDENTIFICATION

Figure 2

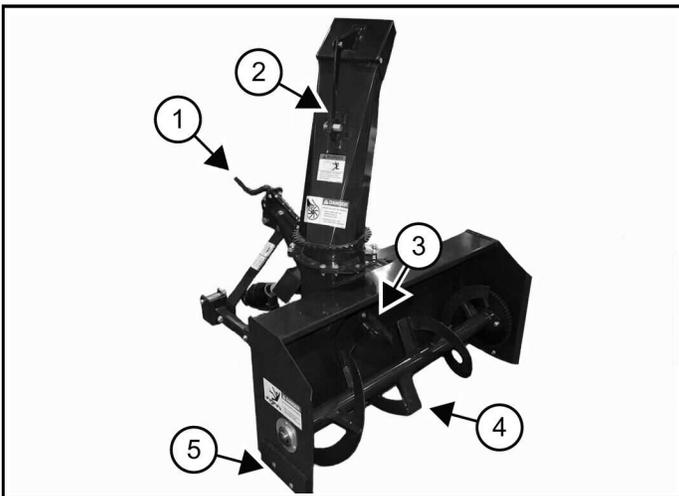


REF.	DESCRIPTION
3	Fan
4	Auger
5	Skid Shoe (Qty. 2)

C138229b

REF.	DESCRIPTION
1	Deflector
2	Discharge Chute
3	PTO
4	Gearbox
5	Chain Idler Sprocket

Figure 3



C138240b

REF.	DESCRIPTION
1	Chute Adjustment Hand Crank
2	Deflector Adjustment

FEATURES AND ACCESSORIES

Standard Items

The three-point snowblower is equipped with the following standard items:

- Category 1 three-point mounting frame
- PTO - Category 4 driveline and plastic guards
- Protected with Grade 2 shear bolts
- Reversible and replaceable skid shoes
- Adjustable and replaceable jackstand
- Manually adjustable deflector and chute

SAFETY INSTRUCTIONS

Safe Operation Is The Operator's Responsibility (Implement)



Safety Alert Symbol

This symbol with a warning statement means: "Warning, be alert! Your safety is involved!" Carefully read the message that follows.



DANGER

The signal word **DANGER** on machine signs and in the manuals indicates a hazardous situation which, if not avoided, will result in serious injury or death. ◀

D-1002



WARNING

The signal word **WARNING** on the machine and in the manuals indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death. ◀

W-0341



IMPORTANT

This notice identifies procedures which must be followed to avoid damage to the machine. ◀

I-2019

The machine and implement must be in good operating condition before use.

Check all of the items on the Service Schedule decal (if equipped) in the Every 10 Hours section or as shown in the Operation & Maintenance Manual.

Safe Operation Needs A Qualified Operator

For an operator to be qualified, he or she must not use drugs or alcoholic drinks which impair alertness or coordination while working. An operator who is taking prescription drugs must get medical advice to determine if he or she can safely operate a machine.

Use Safety Rules

- Read and follow instructions in the machine and the implement's Operation & Maintenance Manual before operating.
- Check for underground lines before operating implement (if applicable).
- In addition to the design and configuration of equipment, hazard control, and accident prevention are dependent upon the awareness, concern, prudence, and proper training of personnel involved

in the operation, transport, maintenance, and storage of equipment.

- Check that the implement is securely fastened to the machine.
- Make sure all the machine controls are in the neutral position before starting the machine.
- Operate the implement only from the operator's position.
- Operate the implement according to the Operation & Maintenance Manual.
- When learning to operate the implement, do it at a slow rate in an area clear of bystanders.
- DO NOT permit personnel to be in the work area when operating the machine and implement.
- The implement must be used ONLY on approved machines. Visit igniteattachments.com for an updated list of approved implements for each machine model.
- DO NOT modify equipment or add implements that are not approved by the manufacturer.
- DO NOT make any adjustments or repairs on the machine or implement while the engine is running.
- Keep shields and guards in place. Replace if damaged.

Call Before You Dig



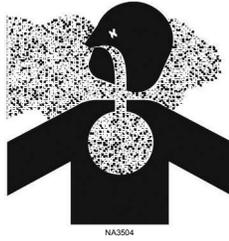
P200081

Dial 811 (USA Only)

Dial 1-888-258-0808 (USA & Canada)

When you call, you will be directed to a location in your state / province / city for information about buried lines (telephone, cable TV, water, sewer, gas, etc.).

Silica Dust Exposure



Silica dust can cause lung disease and is known to the state of California to cause cancer.

Cutting or drilling concrete containing sand or rock containing quartz may result in exposure to silica dust.

Do not exceed Permissible Exposure Limits (PEL) to silica dust as determined by OSHA or other job site Rules and Regulations. Use a respirator, water spray, or other means to control dust.

Safety Rules For Power Take-Off (PTO) Driven Attachments

- Keep power take-off (PTO) shields and all guards in place. Replace damaged or missing shields and guards before operating.
- Follow warnings and instructions on machine signs (decals). Replace damaged or missing decals.
- Do not wear loose or bulky clothing around the PTO or other moving parts.
- Keep bystanders away from PTO driven equipment, and never allow children near machines.
- Read and understand manuals for the PTO driven equipment and be aware of safe operating procedures and hazards that may not be readily apparent.
- Always walk around equipment to avoid coming near a turning PTO driveline. Stepping over, leaning across or crawling under a turning PTO driveline can cause entanglement.
- Position the machine and attachment hitch correctly to prevent driveline stress and separation.
- Use caution when turning. Turning too sharp can cause driveline damage.
- Use caution when raising PTO driven attachment. Excessive driveline angle can cause driveline damage. Use stops if needed.

Machine Requirements And Capabilities

- Fasten seat belt securely when Roll-Over Protective Structure (ROPS) is up and locked. DO NOT wear seat belt if ROPS is down.
- The machine must be equipped with sway bars or chains.
- Stop the machine and engage the parking brakes. Install blocks in front of and behind the rear tires of the machine. Install blocks underneath and support the implement securely before working under raised implements.
- Keep bystanders clear of moving parts and the work site. Keep children away.
- Use increased caution on slopes and near banks and ditches to prevent overturn.
- Make certain that the Slow Moving Vehicle (SMV) emblem is installed so that it is visible and legible. When transporting the equipment, use the machine flashing warning lights and follow all local regulations.
- Operate this equipment with approved ROPS. Always wear seat belt when the ROPS is up. Serious injury or death could result from falling off the machine.
- Before leaving the machine operator's seat:
 1. Park on flat level ground.
 2. Fully lower the loader arms and put the attachment flat on the ground (if equipped).
 3. Fully lower the three-point hitch or mid-mount implements (if equipped).
 4. Lock brake pedals together (if equipped) and engage the parking brake.
 5. Place all controls in neutral.
 6. Stop the engine, unfasten seat belt and remove the key.
- Never allow riders on the machine or implement. Falling off can result in serious injury or death.
- Start the machine only when properly seated in the operator's seat. Starting a machine in gear can result in serious injury or death.
- Operate the machine and attachments / implements from the operator's position only.
- Add the correct front ballast for rear three-point hitch implements and pull type implements. Add the correct rear ballast when using the loader and attachments. Contact your Ignite Attachments representative for available ballast options.

- Do not handle large objects (such as round bales or posts) unless the loader is equipped with the proper attachments and the load is secured.
- The parking brake must be engaged before leaving the machine operator's seat. Rollaway can occur because the transmission may not prevent machine movement. Lock the brake pedals together (if equipped) before activating the parking brake.

FIRE PREVENTION



Maintenance

The machine and some attachments have components that are at high temperatures under normal operating conditions. The primary source of high temperatures is the engine and exhaust system. The electrical system, if damaged or incorrectly maintained, can be a source of arcs or sparks.

Flammable debris (leaves, straw, etc.) must be removed regularly. If flammable debris is allowed to accumulate, it can cause a fire hazard. Clean often to avoid this accumulation. Flammable debris in the engine compartment is a potential fire hazard.

The operator's area, engine compartment, and engine cooling system must be inspected every day and cleaned if necessary to prevent fire hazards and overheating.

All fuels, most lubricants, and some coolants mixtures are flammable. Flammable fluids that are leaking or spilled onto hot surfaces or onto electrical components can cause a fire.

Operation

Do not use the machine where exhaust, arcs, sparks, or hot components can contact flammable material, explosive dust, or gases.

Electrical



P200082

Check all electrical wiring and connections for damage. Keep the battery terminals clean and tight. Repair or replace any damaged part or wires that are loose or frayed.

Battery gas can explode and cause serious injury. Use the procedure in the Operation & Maintenance Manual for connecting the battery and for jump starting. Do not jump start or charge a frozen or damaged battery. Keep any open flames or sparks away from batteries. Do not smoke in battery charging area.

Hydraulic System

Check hydraulic tubes, hoses and fittings for damage and leakage. Never use open flame or bare skin to check for

leaks. Hydraulic tubes and hoses must be properly routed and have adequate support and secure clamps. Tighten or replace any parts that show leakage.

Always clean fluid spills. Do not use gasoline or diesel fuel for cleaning parts. Use commercial nonflammable solvents.

Fueling



Stop the engine and let it cool before adding fuel. No smoking! Do not refuel a machine near open flames or sparks. Fill the fuel tank outdoors.

Ultra Low Sulfur Diesel (ULSD) poses a greater static ignition hazard than earlier diesel formulations with higher sulfur content. Avoid death or serious injury from fire or explosion. Consult with your fuel or fuel system supplier to ensure the delivery system is in compliance with fueling standards for proper grounding and bonding practices.

Starting

Do not use ether or starting fluids on any engine that has glow plugs or an air intake heater. These starting aids can cause explosion and injure you or bystanders.

Use the procedure in the Operation & Maintenance Manual for connecting the battery and for jump starting.

Spark Arrester Exhaust System

The spark arrester exhaust system is designed to control the emission of hot particles from the engine and exhaust system, but the muffler and the exhaust gases are still hot.

Check the spark arrester exhaust system regularly to make sure it is maintained and working properly. Use the procedure in the Operation & Maintenance Manual for cleaning the spark arrester muffler (if equipped).

Welding And Grinding

Always clean the machine and implement, disconnect the battery, and disconnect the wiring from the Ignite Attachments controllers before welding. Cover rubber hoses, battery, and all other flammable parts. Keep a fire extinguisher near the machine when welding.

Have good ventilation when grinding or welding painted parts. Wear a dust mask when grinding painted parts. Toxic dust or gas can be produced.

Dust generated from repairing nonmetallic parts such as hoods, fenders, or covers can be flammable or explosive. Repair such components in a well-ventilated area away from open flames or sparks.

Fire Extinguishers



Know where fire extinguishers and first aid kits are located and how to use them. Inspect the fire extinguisher and service the fire extinguisher regularly. Obey the recommendations on the instructions plate.

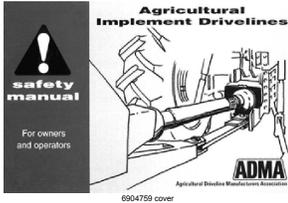
PUBLICATIONS AND TRAINING RESOURCES

The following publications are also available for your Ignite Attachments implement. Access them online at igniteattachments.com.



Operation & Maintenance Manual

Complete instructions on the correct operation and the routine maintenance of your implement.
7496661



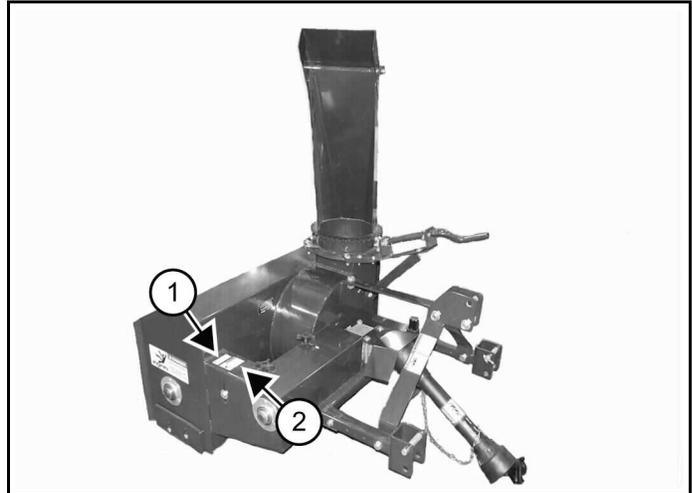
ADMA Safety Manual

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For the latest information on Ignite Attachments products and the Ignite Attachments Company, visit our website at www.igniteattachments.com.

IMPLEMENT SIGNS (DECALS)

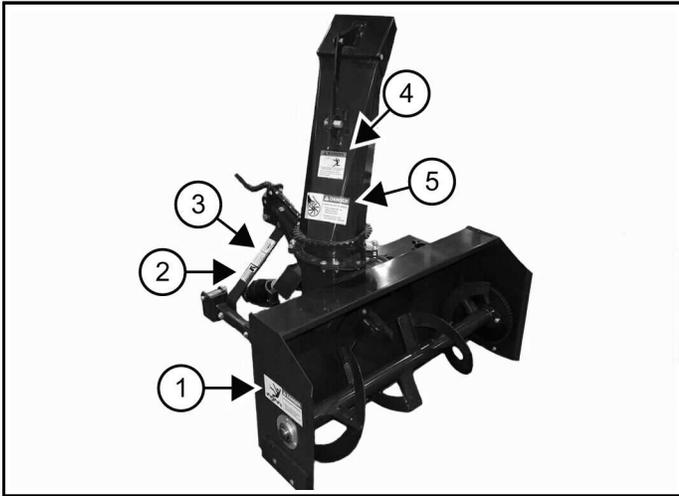
Figure 4



C138239c

REF.	DECAL
1	<p>Emissions Warning</p> <p>Located near chain idler sprocket</p> <p>73536420IG</p>
2	<p>Shields Warning</p> <p>Located near chain idler sprocket</p> <p>66734000IG</p>

Figure 5



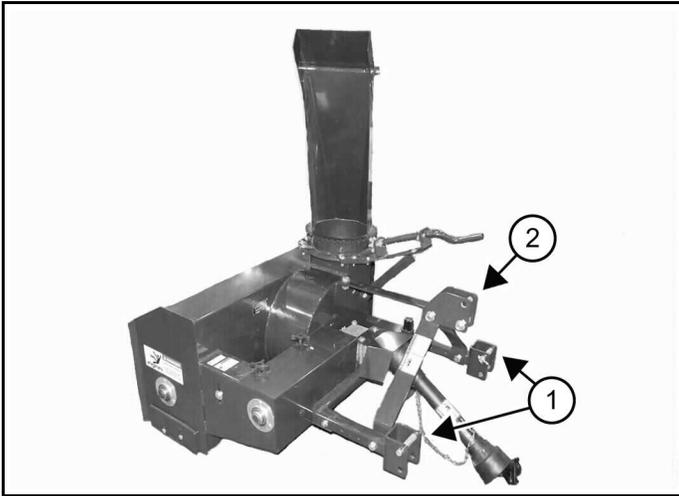
C138240d

REF.	DECAL
1	<p>Keep Away Danger</p> <p>Located on outside of auger housing, both sides</p> <p>71171860IG</p> <p>⚠ DANGER AVOID INJURY OR DEATH</p> <ul style="list-style-type: none"> Keep 10 feet (3m) away from machine and attachment when in use. <p><small>07122 SW 71171860 enUS</small></p>
2	<p>Crush Warning</p> <p>Located on 3 point hitch, both sides</p> <p>71892000IG</p> <p>⚠ WARNING CRUSHING CAN CAUSE SERIOUS INJURY OR DEATH</p> <ul style="list-style-type: none"> Keep all bystanders away from equipment when operating. Fully lower the implement before leaving the operator's seat. <p><small>76998 SW 71892000IG enUS</small></p>

REF.	DECAL
3	<p>Rotating Shaft Danger</p> <p>Located on 3 point hitch, both sides</p> <p>71631770IG</p> <p>⚠ DANGER ROTATING SHAFT WILL CAUSE SERIOUS INJURY OR DEATH Keep shields and guards in place.</p> <p>⚠ WARNING OVERSPEEDING IMPLEMENT PTO CAN CAUSE SERIOUS INJURY OR DEATH Do NOT exceed the PTO speed of 540 RPM.</p> <p><small>76158 SW 71631770 enUS</small></p>
4	<p>Discharge Warning</p> <p>Located on back of discharge chute</p> <p>66733850IG</p> <p>⚠ WARNING</p> <p>AVOID INJURY OR DEATH Never direct discharge toward bystanders. Debris can be thrown great distances.</p> <p><small>67172 SW 66733850 enUS</small></p>
5	<p>Chute Danger</p> <p>Located on back of discharge chute</p> <p>66733840IG</p> <p>⚠ DANGER AVOID INJURY OR DEATH</p> <ul style="list-style-type: none"> Stop engine before placing hand in discharge chute Rotating fan blades can crush & dismember <p><small>07122 SW 66733840 enUS</small></p>

DAILY INSPECTION**Implement Mounting Frame**

Figure 6



Inspect the lower three-point mounts and lower mounting pins (Item 1) and upper three-point mount and pin (Item 2) [Figure 6], along with all welds on the three-point snowblower for wear and damage each time the three-point snowblower is removed from the machine.

Check the following items at the start of a work day:

- Check for damaged or missing decals. Replace if necessary.
- Replace any worn or damaged parts immediately.

Three-Point Hitch

See your machine Operation & Maintenance Manual for detailed information on inspecting three-point hitch.

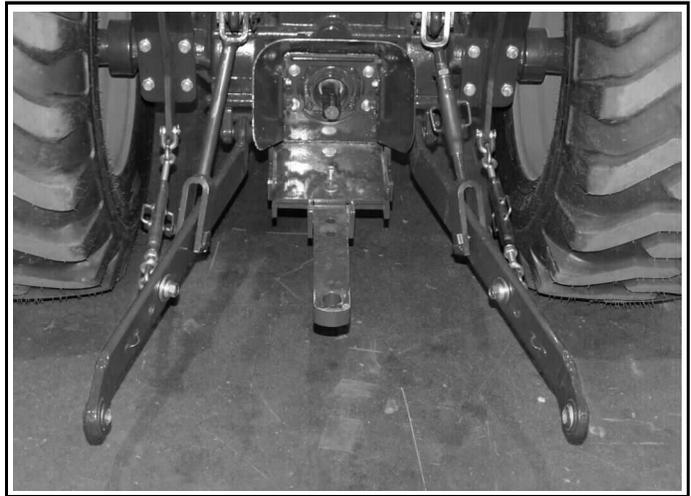
⚠ WARNING

UNINTENDED MOVEMENT HAZARD

Failure to follow instructions can cause serious injury or death.

The parking brake must be engaged before leaving the operator's seat. Rollaway can occur because the transmission may not prevent machine movement. Lock the brake pedals together (if equipped) before activating the parking brake. ◀

Figure 7



P138256

- Inspect the three-point hitch linkage, PTO shaft splines, guards, and shields. Replace if damaged or missing [Figure 7]. Repair broken or loose parts.

OPERATING PROCEDURE WITH COMPACT TRACTORS

Approved Compact Tractor Models And Requirements

	Snow-blower 50 Inch	Snow-blower 60 Inch	Snow-blower 66 Inch	Snow-blower 74 Inch
Tractor HP	15–35	15–35	25–50	35–50

The chart shows the approved three-point snowblower models for compact tractors based on horsepower.

Warranty on this implement is void if used on a non-approved carrier. Contact your Ignite Attachments representative for a current list of compatible carriers.

⚠ WARNING

MODIFICATION AND INSUFFICIENT INSTRUCTIONS HAZARD

Use of unapproved attachments, implements or improperly sized attachments can cause serious injury or death.

Attachments, implements and buckets for safe loads of specified densities are approved for each model. Never use attachments, implements or buckets which are not approved by Ignite Attachments. ◀

W-2709

Machine / Implement Setup

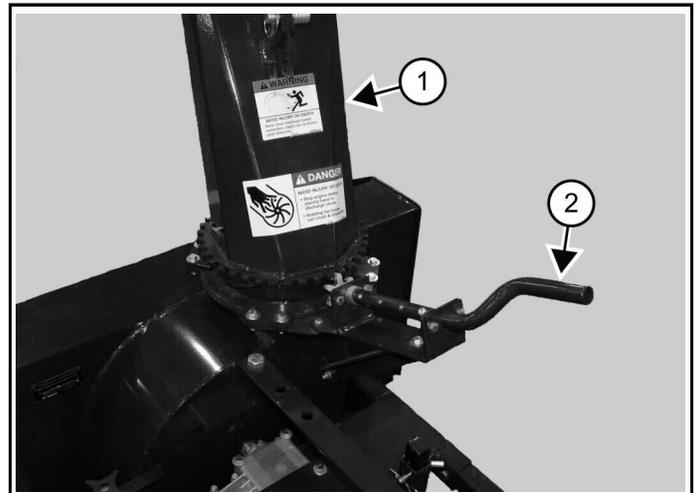
Setting Up The Ballast

Install the correct ballast on the compact tractor before installing the implement. See the compact tractor Operation & Maintenance Manual for ballast information.

Rotating The Manual Discharge Chute

The discharge chute can be rotated to the area where the snow is to be thrown.

Figure 8



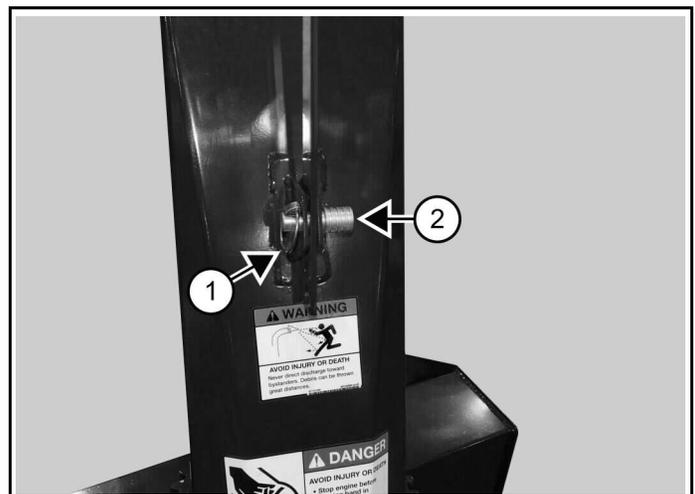
C138257a

- To rotate the discharge chute (Item 1) left, turn the hand crank (Item 2) [Figure 8] clockwise.
- To rotate the discharge chute (Item 1) right, turn the hand crank (Item 2) [Figure 8] counterclockwise.

Adjusting The Deflector

Exit the compact tractor. (See Entering And Exiting The Compact Tractor on Page 14) Make sure the PTO driveline and all rotating components have come to a complete stop before exiting the compact tractor.

Figure 9



C138258b

The deflector can be adjusted to control the distance snow is thrown. To adjust the deflector, remove retaining pin (Item 1) and pin (Item 2), tilt the deflector up or down. Realign the holes and install pin (Item 2) and retaining pin (Item 1) [Figure 9].

Entering And Exiting The Compact Tractor

⚠ WARNING

GENERAL HAZARD

Failure to follow instructions can cause serious injury or death.

Use ROPS and fasten the seat belt.

Install the correct ballast (if required).

Never modify equipment. Never use unapproved implements or attachments.

Operate the compact tractor from the operator's seat only.

Keep bystanders away. Never carry riders. ◀

W-2807

See your compact tractor Operation & Maintenance Manual for detailed instructions on entering and exiting the machine.

Installing The Three-Point Implement

NOTE: Your machine and attachment and / or implement models may vary, but the procedure is the same. Always inspect the compact tractor three-point hitch and implement three-point mounting before installation. (See Daily Inspection on Page 12) .

⚠ WARNING

GENERAL HAZARD

Failure to obey warnings can cause serious injury or death.

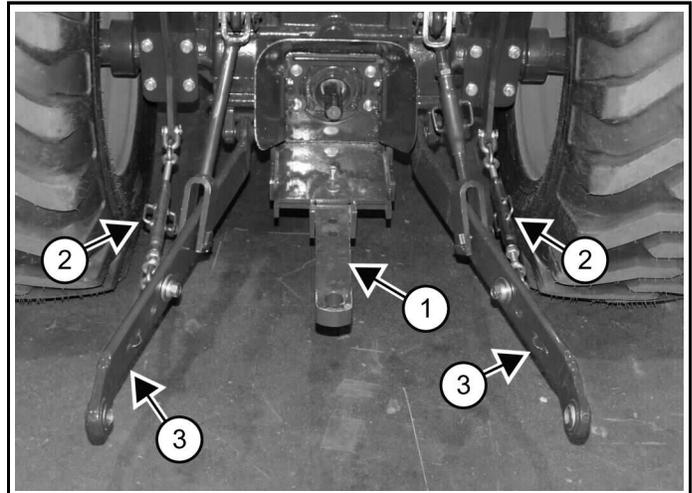
Obey all warnings on the machine and in the manuals. ◀

W-2764

Ballast may need to be added to the front of the compact tractor for proper operation when three-point hitch implements are installed. See the compact tractor Operation & Maintenance Manual for detailed information on installing the correct front ballast.

NOTE: The following images may not show your exact three-point implement but the procedure is the same.

Figure 10



c138256a

1. Move the drawbar (Item 1) [Figure 10] to the storage position or remove (if necessary). See the compact tractor Operation & Maintenance Manual for detailed information.

The three-point hitch lower links must be set wide enough to clear the implement mounting pins.

2. Adjust the sway bars (Item 2) (both sides) to move the lower links (Item 3) [Figure 10] as needed.

See the compact tractor Operation & Maintenance Manual for detailed information on adjusting sway bars.

⚠ WARNING

CRUSHING HAZARD

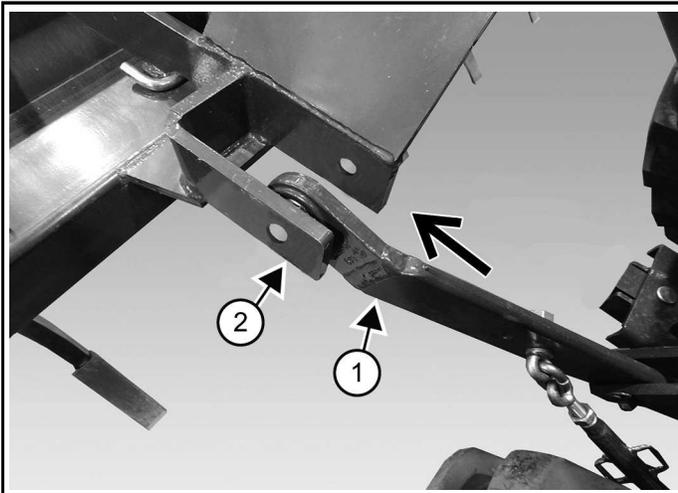
Contact with the machine can cause serious injury or death.

Before backing the machine, look in all directions and make sure no bystanders are in the work area. Do not allow anyone between the machine and the implement when backing up to the implement for installation. ◀

W-2734

3. Enter the compact tractor (See Entering And Exiting The Compact Tractor on Page 14) .
4. Start the engine and release the parking brake.

Figure 11



5. Drive the compact tractor to the implement and align the lower links (Item 1) with the implement lower mounts (Item 2) [Figure 11] (both sides).
6. Lower or raise the compact tractor three-point hitch lower links (Item 1) until they are even with the lower mounts (Item 2) [Figure 11] (both sides) of the three-point implement.

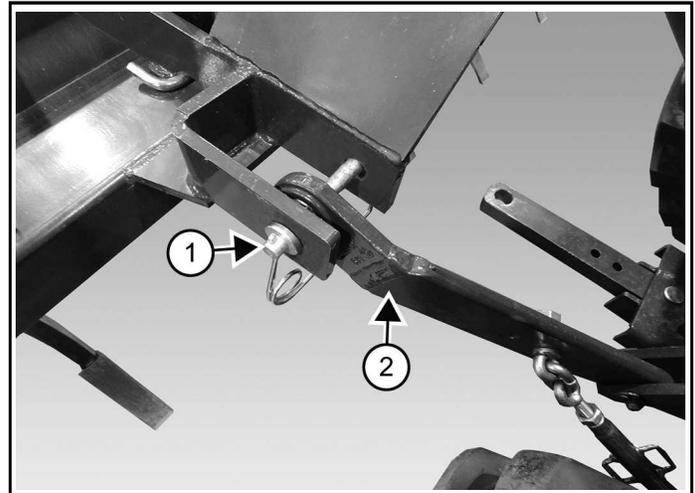
See the compact tractor Operation & Maintenance Manual for detailed information on operating the compact tractor.

7. Stop the engine and exit the compact tractor. (See Entering And Exiting The Compact Tractor on Page 14)

⚠ WARNING

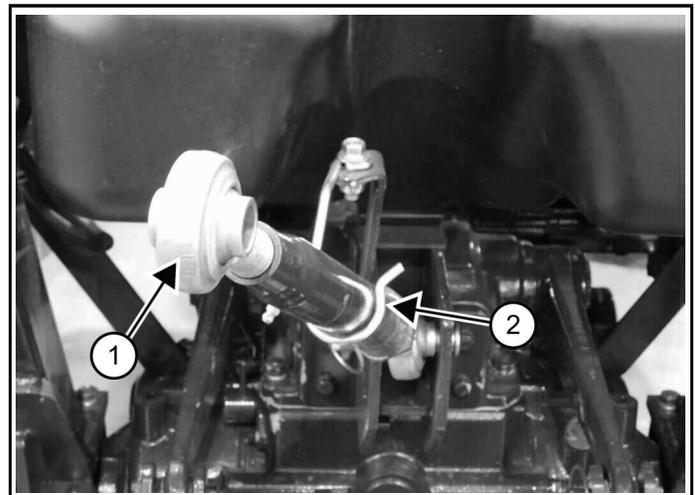
PINCHING HAZARD
 Failure to follow instructions can cause serious injury.
 Keep fingers and hands out of pinch points when installing and removing implement or attachments. ◀

Figure 12



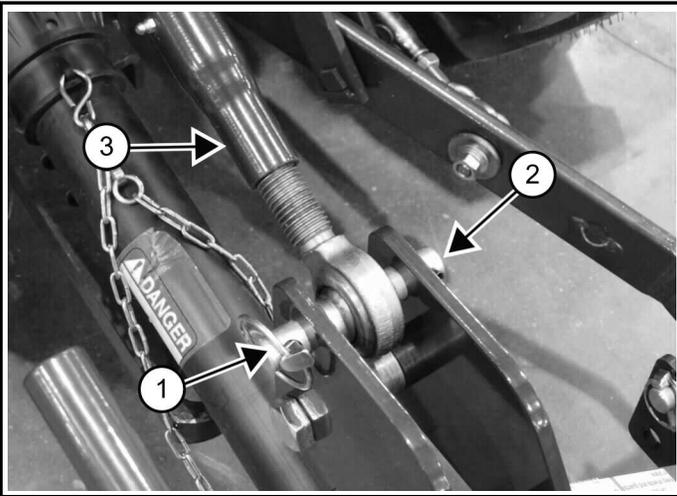
8. Install the lower implement pin (Item 1) through the lower mounts and lower link (Item 2) [Figure 12] (both sides) and secure with retaining clip.

Figure 13



9. Remove the top link (Item 1) from the storage position bracket (Item 2) [Figure 13].

Figure 14



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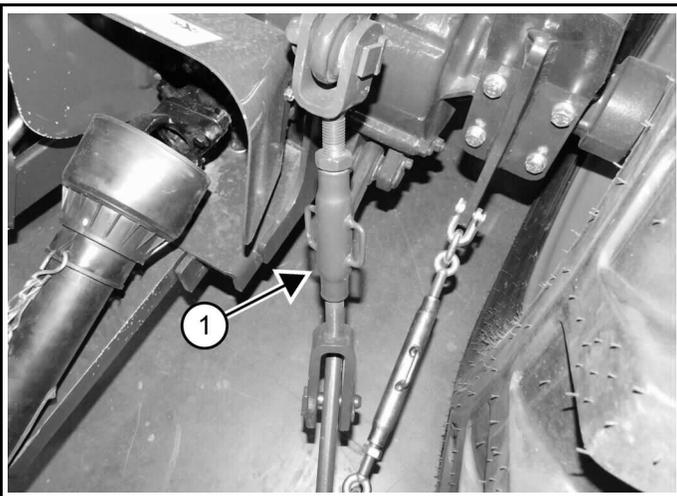
10. Lower the top link (Item 3) [Figure 14] until it aligns with the implement upper mounting hole.
11. Install the pin (Item 2) and retainer pin (Item 1) [Figure 14].

NOTE: It may be necessary to lengthen or shorten the top link to align it with the implement mounting hole [Figure 14].
(See Adjusting The Top Link on Page 16)

12. The implement can be leveled front to back by adjusting the top link.
(See Adjusting The Top Link on Page 16)
13. The implement side to side sway will need to be adjusted. (See Adjusting The Sway Bar on Page 17)

Adjusting The Lift Link

Figure 15



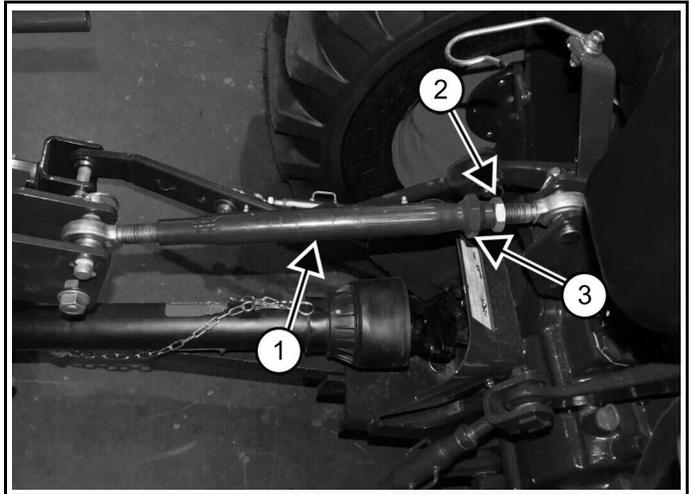
p138247b

The lift link (Item 1) [Figure 15] is used to adjust the side to side level of the implement.

See the compact tractor Operation & Maintenance Manual for detailed information on adjusting the lift link.

Adjusting The Top Link

Figure 16



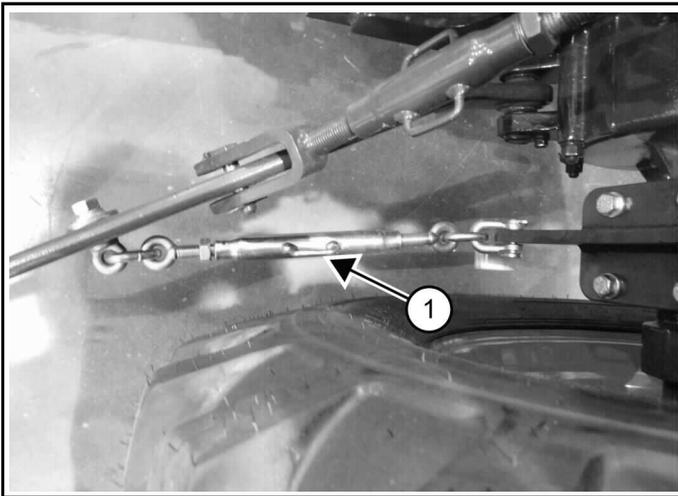
c138246a

The top link (Item 1) [Figure 16] is used to adjust the front to back level of the implement.

1. Loosen the locknut (Item 2) and use the adjuster (Item 3) [Figure 16] to lengthen or shorten the top link.
2. Turn clockwise to lengthen the top link, turn counterclockwise to shorten top link.
3. After the implement has been leveled, tighten the locknut (Item 2) [Figure 16].

Adjusting The Sway Bar

Figure 17



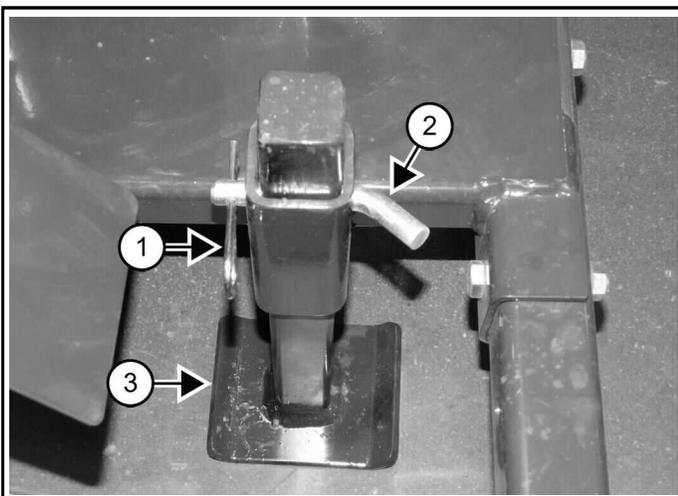
The sway bar (Item 1) [Figure 17] (both sides) are used to center the implement between the tires and limits the implements side to side movement.

Adjust the sway bars to center the implement between the tires. See the compact tractor Operation & Maintenance Manual for detailed information on adjusting sway bars.

When adjusting the sway bars with implement installed, the implement will need to be raised slightly off the ground.

Adjusting The Jackstand

Figure 18

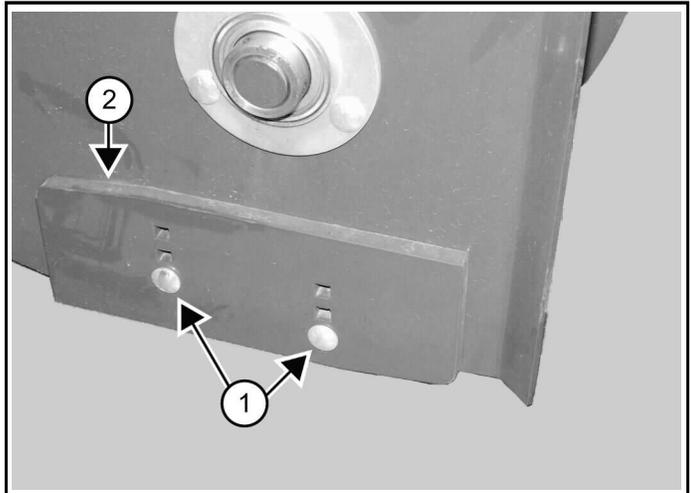


1. Remove the retaining pin (Item 1) and the pin (Item 2) [Figure 18].

2. Slide the jackstand (Item 3) [Figure 18] up or down to the desired height.
3. Replace the pin and retaining pin.

Adjusting The Skid Shoe

Figure 19



1. Remove the nuts and bolts (Item 1) and adjust the skid shoe (Item 2) [Figure 19] to the desired height.
2. Replace the nuts and bolts.

Rear Power Take-Off (PTO)

Installing The Rear Power Take-Off (PTO)

The compact tractor must be equipped with a rear - PTO that has a 540 revolutions per minute (rpm) PTO shaft.

1. Install the implement to the compact tractor. (See Installing The Three-Point Implement on Page 14)

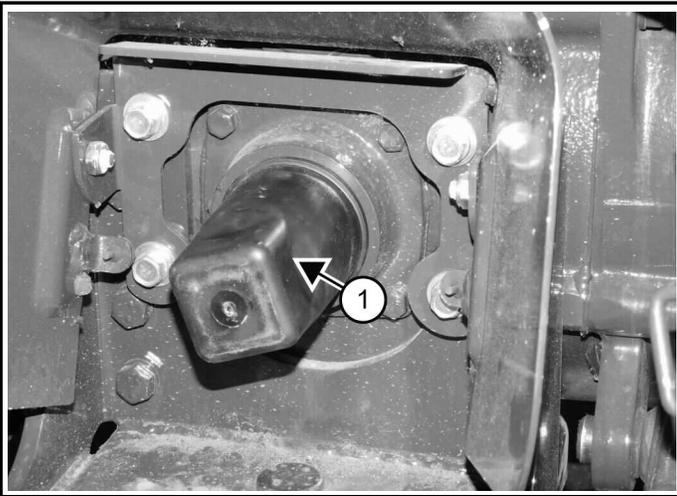
⚠ WARNING

GENERAL HAZARD
 Failure to obey warnings can cause serious injury or death.
 Obey all warnings on the machine and in the manuals. ◀

2. Stop the engine and exit the compact tractor. (See Entering And Exiting The Compact Tractor on Page 14)

Make sure the PTO driveline and all rotating components have come to a complete stop before exiting the compact tractor (if applicable).

Figure 20



C138260a

3. Remove the PTO shaft cover (Item 1) [Figure 20]. (See the compact tractor Operation & Maintenance Manual for detailed information.)

NOTE: Reinstall the PTO shaft cover whenever the PTO is not being used.

4. Remove the PTO driveline from the implement storage position.

⚠ IMPORTANT

MACHINE DAMAGE HAZARD

Improper hitch installation can cause PTO driveline damage.

- Do not modify the hitch or use an unapproved hitch.
- Make sure PTO driveline is of adequate length and that u-joints are in the correct phase.
- Use only approved PTO drivelines designated for the attachment and never use unapproved attachments.

1-2249

⚠ WARNING

GENERAL HAZARD

Failure to follow instructions can cause serious injury or death.

Do NOT exceed the rated implement / attachment PTO speed.

Stay clear of rotating driveline.

Keep bystanders away.

Keep hands, feet, clothing, and long hair away.

Keep PTO shields and all guards in place.

Disengage PTO (rear and mid), engage the parking brake, stop the engine, and make sure all rotating components are stopped before exiting compact tractor.

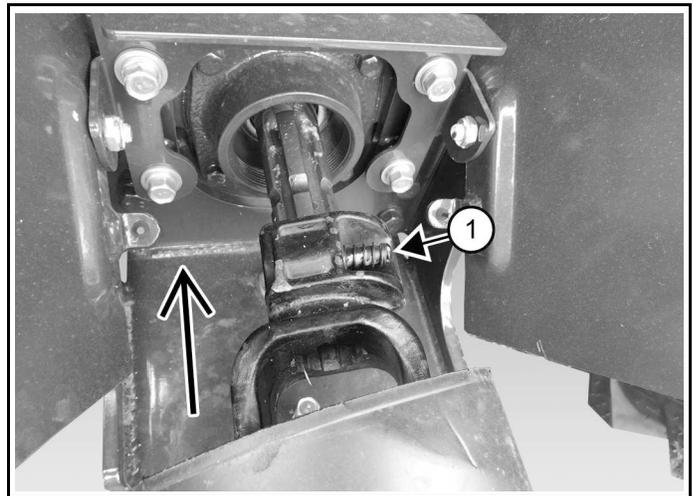
Do not service the compact tractor or implement / attachment with the PTO (rear or mid) engaged.

Do not service the implement / attachment in a raised position unless properly blocked and with all rotating components stopped.

Disengage PTO (rear and mid) for road travel. ◀

W-2697

Figure 21



P142031a

Use the correct PTO driveline for use with the compact tractor rear - PTO shaft and the implement PTO shaft.

5. Push in the pin (Item 1) [Figure 21] and slide the PTO driveline onto the compact tractor rear - PTO shaft. Release the pin and the driveline will lock onto the shaft. Push and pull the PTO driveline back and forth several times and make sure it is securely attached to the PTO shaft.

⚠ WARNING**ENTANGLEMENT HAZARD**

Failure to follow instructions can cause serious injury or death.

- Keep PTO shields and all guards in place.
- Keep away from moving parts.
- Keep bystanders away.
- Do not exceed 540 rear - PTO rpm or 2000 mid - PTO rpm. ◀

W-2659

**Removing The Rear Power Take-Off (PTO)**

Always park on flat level ground.

1. Fully lower the loader arms, put the attachment flat on the ground (if equipped).
2. Fully lower the implement(s) to the ground.
3. Stop the engine and exit the compact tractor.
(See Entering And Exiting The Compact Tractor on Page 14)

Make sure the PTO driveline and all rotating components have come to a complete stop before exiting the compact tractor (if applicable).

⚠ WARNING**UNINTENDED MOVEMENT HAZARD**

Failure to follow instructions can cause serious injury or death.

Before you leave the operator's seat:

Fully lower the loader arms, put the attachment flat on the ground (if equipped).

Fully lower the implement(s) to the ground (if equipped).

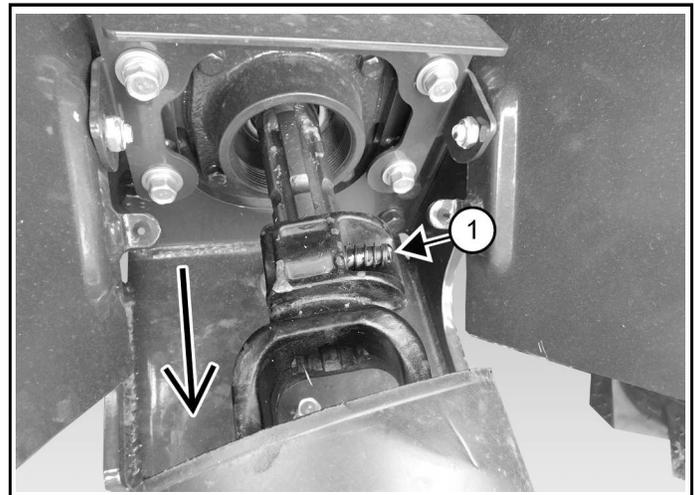
Lock brake pedals together (if equipped) and engage the parking brake.

Place all controls in neutral.

Stop the engine, unfasten the seat belt, and remove the key. ◀

W-3178

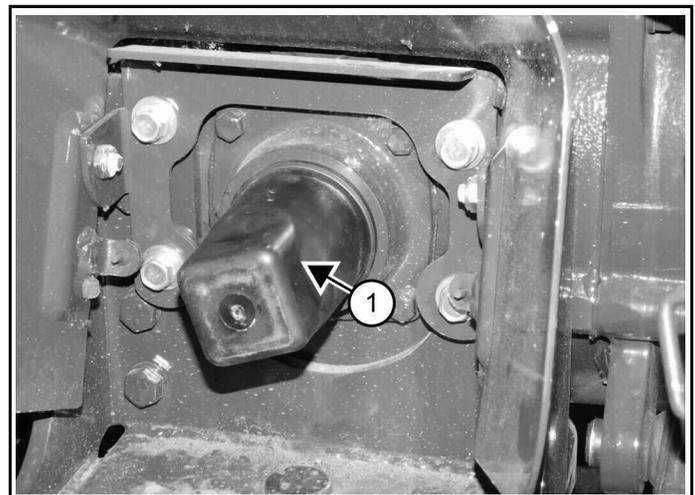
Figure 22



P142031b

4. Push in the pin (Item 1) [Figure 22] and pull the PTO driveline off the compact tractor rear - PTO shaft.
5. Place the PTO driveline into the implement storage position (if applicable).
6. Remove the implement from the compact tractor.

Figure 23



C138250a

7. Install the PTO shaft cover (Item 1) [Figure 23]. (See the compact tractor Operation & Maintenance Manual for detailed information.)

⚠ WARNING**GENERAL HAZARD**

Failure to follow instructions can cause serious injury or death.
 Do NOT exceed the rated implement / attachment PTO speed.
 Stay clear of rotating driveline.
 Keep bystanders away.
 Keep hands, feet, clothing, and long hair away.
 Keep PTO shields and all guards in place.
 Disengage PTO (rear and mid), engage the parking brake, stop the engine, and make sure all rotating components are stopped before exiting compact tractor.
 Do not service the compact tractor or implement / attachment with the PTO (rear or mid) engaged.
 Do not service the implement / attachment in a raised position unless properly blocked and with all rotating components stopped.
 Disengage PTO (rear and mid) for road travel. ◀

W-2697

Checking The PTO Driveline Length

NOTE: Due to variations in distances between tractor PTO shafts and implement input shafts, drivelines may need to be shortened or a longer shaft may be required. When fitting the implement to the compact tractor, the PTO driveline, with telescoping sections, must be inspected. When the sections are at the most compressed operating position, the sections must not “bottom out”. At its shortest length, there must be at least 50,8 mm (2 in) of clearance between each section end and opposite section end at the most compressed operating position. When the sections are at the most extended position, there must be sufficient engagement between the sections. At its farthest operating extension, a minimum section engagement of 33% of shaft length must be maintained.
 (See Checking The PTO Driveline Engagement on Page 23)

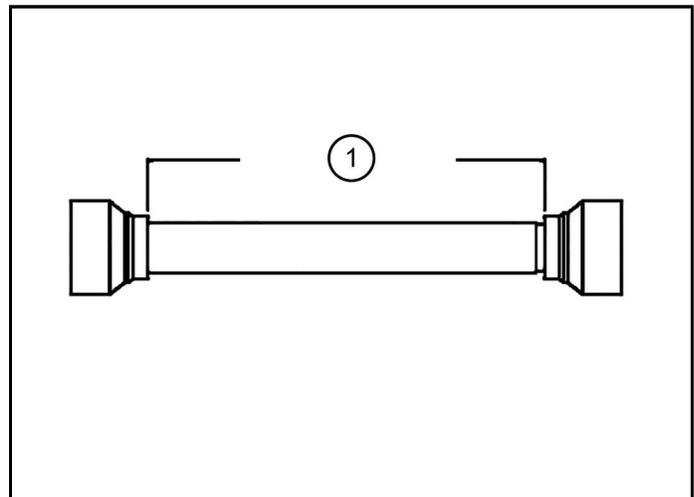
*Checking For PTO Driveline Bottoming Out***⚠ WARNING****GENERAL HAZARD**

Failure to follow instructions can cause serious injury or death.
 Do NOT exceed the rated implement / attachment PTO speed.
 Stay clear of rotating driveline.
 Keep bystanders away.
 Keep hands, feet, clothing, and long hair away.
 Keep PTO shields and all guards in place.
 Disengage PTO (rear and mid), engage the parking brake, stop the engine, and make sure all rotating components are stopped before exiting compact tractor.
 Do not service the compact tractor or implement / attachment with the PTO (rear or mid) engaged.
 Do not service the implement / attachment in a raised position unless properly blocked and with all rotating components stopped.
 Disengage PTO (rear and mid) for road travel. ◀

W-2697

1. Stop the engine and exit the compact tractor.
 (See Entering And Exiting The Compact Tractor on Page 14)

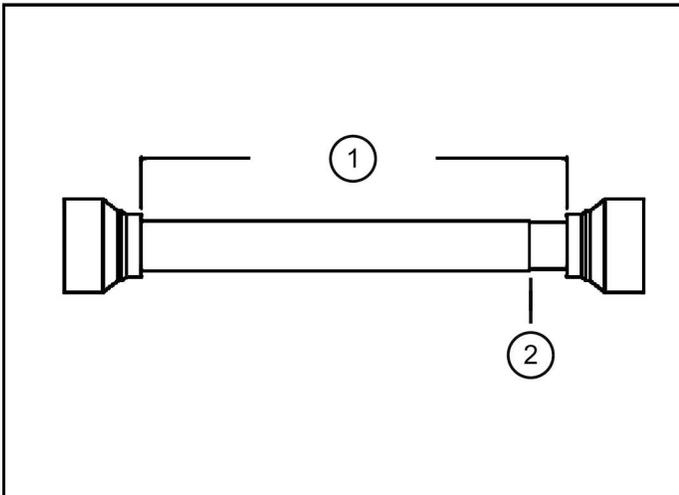
Make sure the PTO driveline and all rotating components have come to a complete stop before exiting the compact tractor (if applicable).

Figure 24

p-83762a

2. Disconnect the PTO driveline from the compact tractor and slide the PTO driveline together until fully retracted.
3. Measure the retracted length of PTO driveline (Item 1) [Figure 24].

Figure 25



p-83793a

4. Extend the PTO driveline 50.8 mm (2 in) (Item 1) from the retracted length and make a mark at the end of the outer shield on the inner shield (Item 2) [Figure 25].
5. Reattach the PTO driveline to the compact tractor PTO shaft.
6. Enter the compact tractor.
(See Entering And Exiting The Compact Tractor on Page 14)
7. Start the engine.
8. With the rear PTO DISENGAGED, raise and lower the implement and watch the PTO driveline expand and retract.
9. If the outer PTO driveline plastic guard slides (retracts) over the mark at any point of travel, the PTO driveline needs to be shortened.

Reducing The PTO Driveline Length

⚠ WARNING

GENERAL HAZARD

Failure to follow instructions can cause serious injury or death.

Do NOT exceed the rated implement / attachment PTO speed.

Stay clear of rotating driveline.

Keep bystanders away.

Keep hands, feet, clothing, and long hair away.

Keep PTO shields and all guards in place.

Disengage PTO (rear and mid), engage the parking brake, stop the engine, and make sure all rotating components are stopped before exiting compact tractor.

Do not service the compact tractor or implement / attachment with the PTO (rear or mid) engaged.

Do not service the implement / attachment in a raised position unless properly blocked and with all rotating components stopped.

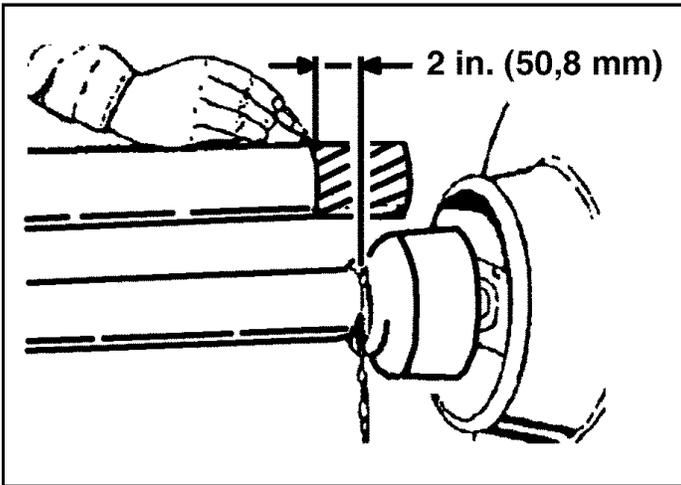
Disengage PTO (rear and mid) for road travel. †

W-2697

1. Stop the engine and exit the compact tractor.
(See Entering And Exiting The Compact Tractor on Page 14)

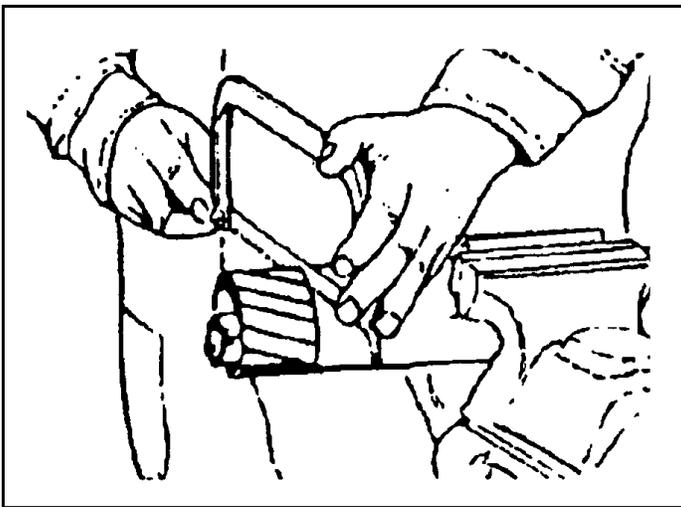
Make sure the PTO driveline and all rotating components have come to a complete stop before exiting the compact tractor.
2. Remove the PTO driveline from the compact tractor and place in storage position (if equipped).
(See Removing The Rear Power Take-Off (PTO) on Page 19)
3. Enter the compact tractor.
(See Entering And Exiting The Compact Tractor on Page 14)
4. Start the engine and release the parking brake.
5. Raise or lower the three-point implement to get the shortest distance between the compact tractor PTO shaft and three-point implement gearbox PTO shaft.
6. Stop the engine and exit the compact tractor.
(See Entering And Exiting The Compact Tractor on Page 14)
7. Pull the PTO driveline apart and reinstall each individual section; one half to the compact tractor PTO shaft and one half to the implement gearbox PTO shaft.

Figure 26



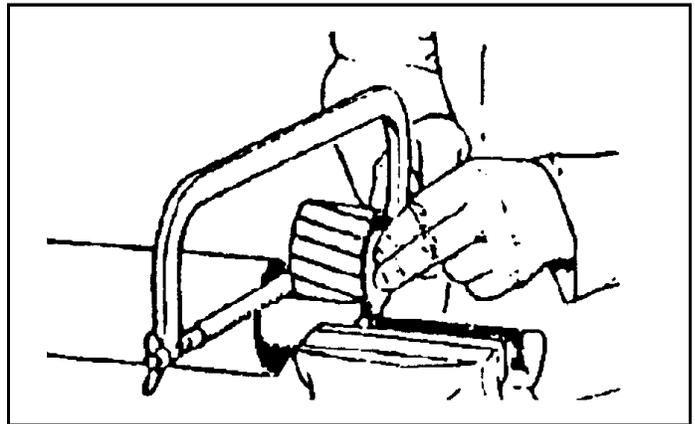
8. Hold PTO driveline sections parallel to one another and measure back 50.8 mm (2 in) [Figure 26] from the yoke of each section and place a mark on opposite section.

Figure 27



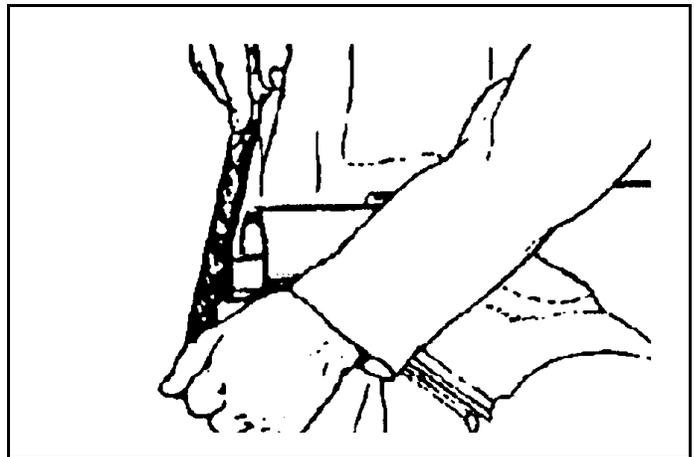
9. Cut the plastic shield at this length [Figure 27].

Figure 28



10. Use the plastic shield length that was just cut and align it with the end of the inner shaft [Figure 28]. Cutting the same amount off the end of the inner shaft.

Figure 29



11. Round off all sharp edges and debur [Figure 29].
12. Repeat steps 8-11 for the other shaft section. Equal amounts must be cut from each shaft.
13. Thoroughly grease and install the PTO driveline halves together.
14. Recheck for proper operation.

⚠ WARNING

ENTANGLEMENT HAZARD

Failure to follow instructions can cause serious injury or death.

- Keep PTO shields and all guards in place.
- Keep away from moving parts.
- Keep bystanders away.
- Do not exceed 540 rear - PTO rpm or 2000 mid - PTO rpm. ◀

W-2659



Checking The PTO Driveline Engagement

⚠ WARNING

GENERAL HAZARD

Failure to follow instructions can cause serious injury or death.

Do NOT exceed the rated implement / attachment PTO speed.

Stay clear of rotating driveline.

Keep bystanders away.

Keep hands, feet, clothing, and long hair away.

Keep PTO shields and all guards in place.

Disengage PTO (rear and mid), engage the parking brake, stop the engine, and make sure all rotating components are stopped before exiting compact tractor.

Do not service the compact tractor or implement / attachment with the PTO (rear or mid) engaged.

Do not service the implement / attachment in a raised position unless properly blocked and with all rotating components stopped.

Disengage PTO (rear and mid) for road travel. ◀

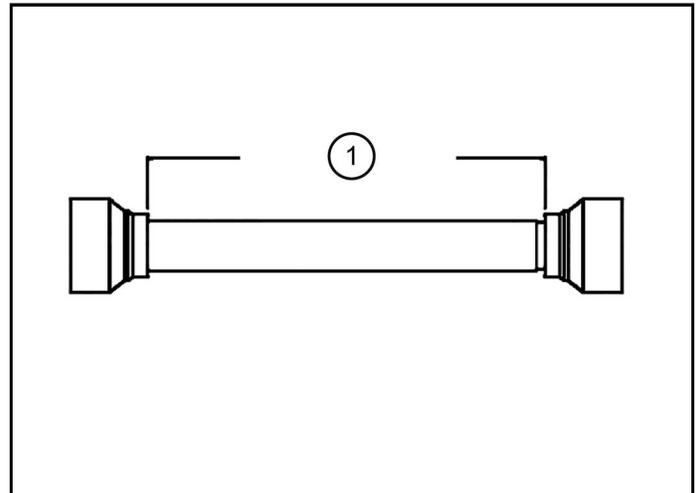
W-2697

1. Exit the compact tractor.
(See Entering And Exiting The Compact Tractor on Page 14)

Make sure the PTO driveline and all rotating components have come to a complete stop before exiting the compact tractor.

2. Disconnect the PTO driveline from the compact tractor and slide the driveline sections together until fully retracted.

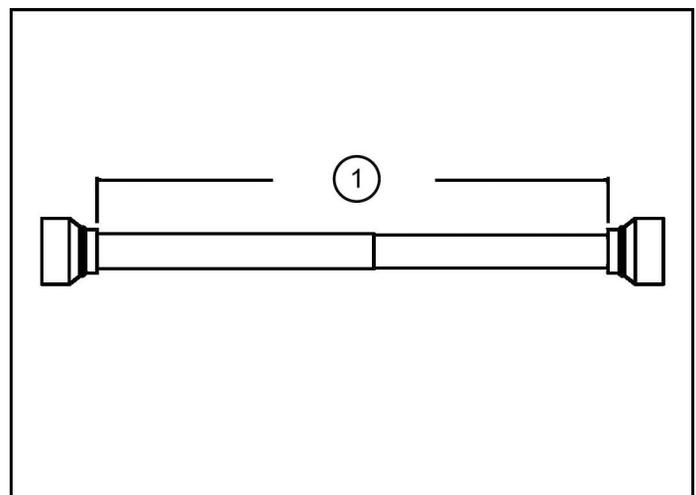
Figure 30



p-83792a

3. Measure the retracted (compressed) length of the PTO driveline between the bases of the plastic shields (Item 1) [Figure 30].
4. Multiply the retracted driveline length by 1.667 to determine the PTO driveline Maximum Operating Length. (i.e.: 647,7 mm (25.5 in) x 1.667= 1079,7 mm (42.5 in) Maximum Operating Length).
5. Attach the PTO driveline to the compact tractor PTO output shaft.
6. Enter the compact tractor.
(See Entering And Exiting The Compact Tractor on Page 14)

Figure 31



p-83794a

7. With the PTO driveline attached, position the three-point implement to where the telescoping PTO driveline is at its maximum operating extension.

8. Exit the compact tractor.
(See Entering And Exiting The Compact Tractor on Page 14)

Make sure the PTO driveline and all rotating components have come to a complete stop before exiting the compact tractor.

9. Measure the length of the PTO driveline between the bases of the plastic shields (Item 1) [Figure 31] to determine the maximum operating length.

If the measured maximum operating length is less than the Maximum Operating Length calculation (from Step 4), the PTO driveline has adequate engagement.

If the measured maximum operating length is equal to or more than the Maximum Operating Length calculation (from Step 4), the PTO driveline does not have adequate engagement and should be replaced with a longer driveline. Contact Ignite Attachments for available PTO drivelines.

Control Functions Three-Point Hitch (Implement)

The three-point hitch will be used to raise or lower the implement. (See the compact tractor Operation & Maintenance Manual for detailed information on operating the three-point hitch).

Control Functions Rear-PTO

Safety Rules For PTO Operation

⚠ WARNING

GENERAL HAZARD

Failure to follow instructions can cause serious injury or death.

Do NOT exceed the rated implement / attachment PTO speed.

Stay clear of rotating driveline.

Keep bystanders away.

Keep hands, feet, clothing, and long hair away.

Keep PTO shields and all guards in place.

Disengage PTO (rear and mid), engage the parking brake, stop the engine, and make sure all rotating components are stopped before exiting compact tractor.

Do not service the compact tractor or implement / attachment with the PTO (rear or mid) engaged.

Do not service the implement / attachment in a raised position unless properly blocked and with all rotating components stopped.

Disengage PTO (rear and mid) for road travel. ◀

W-2697

⚠ WARNING

GENERAL HAZARD

Failure to obey warnings can cause serious injury or death.

Obey all warnings on the machine and in the manuals. ◀

W-2744

⚠ WARNING

UNINTENDED MOVEMENT HAZARD

Failure to follow instructions can cause serious injury or death.

Before you leave the operator's seat:

Fully lower the loader arms, put the attachment flat on the ground (if equipped).

Fully lower the implement(s) to the ground (if equipped).

Lock brake pedals together (if equipped) and engage the parking brake.

Place all controls in neutral.

Stop the engine, unfasten the seat belt, and remove the key. ◀

W-3178

- Keep all shields in place. Replace damaged or missing shields before operating.
- Follow warnings and instructions on machine signs (decals). Replace damaged or missing decals.
- Do not wear loose or bulky clothing around the PTO or other moving parts.
- Keep bystanders away from PTO driven equipment, and never allow children near machines.
- Read and understand the manuals for the PTO driven equipment and be aware of safe operating procedures and hazards that may not be readily apparent.
- Always walk around equipment to avoid coming near a turning PTO driveline. Stepping over, leaning across or crawling under a turning PTO driveline can lead to entanglement.
- Never overspeed the PTO. See implement Operation & Maintenance Manual for correct PTO speed.
- Position the machine and implement hitch correctly to prevent driveline stress and separation.
- Use caution when turning. Turning too sharp can cause driveline damage.

Engaging The Rear-PTO

1. Enter the compact tractor.
(See Entering And Exiting The Compact Tractor on Page 14)
2. Start the engine and release the parking brake.

3. Lower the implement to the ground. (See the machine's Operation & Maintenance Manual for detailed information on operating the machine.)
4. Move the engine speed control lever to low engine speed.

⚠ IMPORTANT

MACHINE DAMAGE HAZARD

Failure to follow directions can result in start-up overload on PTO driveline. Reduce engine speed to low idle when engaging the PTO. After PTO driveline is rotating, increase engine speed. †

I-2272

5. Engage the rear - PTO system. (See the machine's Operation & Maintenance Manual for detailed information on operating the machine.)

The rear - PTO driveline will start to rotate.

6. Move the engine speed lever to increase engine speed to the correct rpm as indicated on the tachometer. This will cause the rear - PTO shaft to rotate at 540 rpm. Do Not exceed a rear - PTO speed of 540 rpm.

⚠ WARNING

ENTANGLEMENT HAZARD

Failure to follow instructions can cause serious injury or death.

- Keep PTO shields and all guards in place.
- Keep away from moving parts.
- Keep bystanders away.
- Do not exceed 540 rear - PTO rpm or 2000 mid - PTO rpm. †

W-2659

⚠ WARNING

UNINTENDED MOVEMENT HAZARD

Failure to follow instructions can cause serious injury or death.

Before you leave the operator's seat:

Fully lower the loader arms, put the attachment flat on the ground (if equipped).

Fully lower the implement(s) to the ground (if equipped).

Lock brake pedals together (if equipped) and engage the parking brake.

Place all controls in neutral.

Stop the engine, unfasten the seat belt, and remove the key. †

W-3178



p-75310

Disengaging The Rear-PTO

1. Move the engine speed lever back to the low idle position.
2. Disengage the rear - PTO system. (See the machine's Operation & Maintenance Manual.)

Driving The Implement And Tractor To Worksite

The following images may not show your exact three-point implement but the procedure is the same.

⚠ WARNING

GENERAL HAZARD

Steering and braking can be affected by the loader attachment, implements, front wheel assist and the rear differential lock.

Always install the correct ballast. Do not exceed the Loader or Three-Point Hitch lift capacities.

Always carry loads low. Slow down when turning.

Always lock the brake pedals together (if equipped) for road travel.

Unlock the brake pedals (if equipped) only when using brake pedals to assist in slow speed turns in work applications.

Make sure that the brakes are adjusted correctly so the compact tractor does not pull to one side when braking. †

W-2738

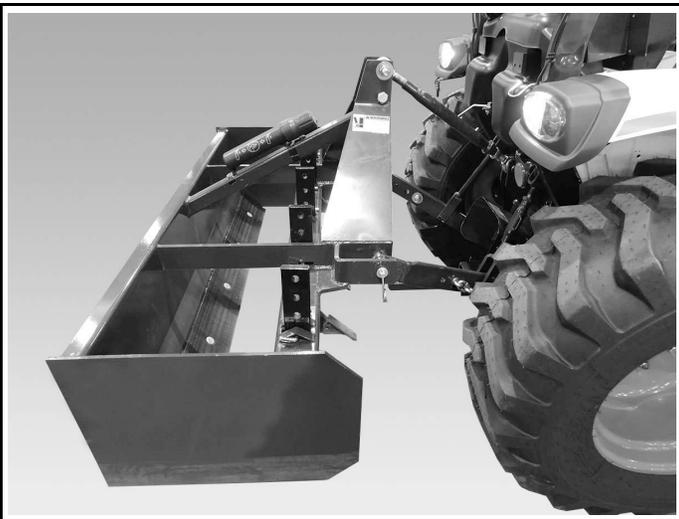
⚠ WARNING**INSTABILITY HAZARD**

Failure to obey warnings can cause the machine to rollover.

- Use ROPS and fasten the seat belt.
- Install the correct rear ballast.
- Do NOT exceed the Loader lift capacity.
- Check tire condition and proper air pressure.
- Use tires with the correct load rating. ◀

1. Enter the compact tractor.
(See Entering And Exiting The Compact Tractor on Page 14)
2. Start the engine.

Figure 32



3. Raise the implement to the travel position [Figure 32]. See the compact tractor Operation & Maintenance Manual for detailed information on operating the three-point hitch.
4. Drive the compact tractor and implement to the work area.
5. When operating on public road or highway, always follow local regulations. For example; Slow Moving Vehicle (SMV) emblem or directional signals and hazard / flasher lights may be required.
6. Park on flat level ground.
7. Lower the implement slightly above the ground. (See the compact tractor Operation & Maintenance Manual for detailed information on operating the three-point hitch.)

8. Stop the engine and exit the compact tractor.
(See Entering And Exiting The Compact Tractor on Page 14)

⚠ WARNING**UNINTENDED MOVEMENT HAZARD**

Failure to follow instructions can cause serious injury or death.

Before you leave the operator's seat:

Fully lower the loader arms, put the attachment flat on the ground (if equipped).

Fully lower the implement(s) to the ground (if equipped).

Lock brake pedals together (if equipped) and engage the parking brake.

Place all controls in neutral.

Stop the engine, unfasten the seat belt, and remove the key. ◀

W-3178

Operating The Snowblower

1. Lower the three-point snowblower from the travel position when at the area to be cleared.

NOTE: Damage to three-point snowblower and tractor may be caused if PTO is engaged while in the travel position.

⚠ WARNING**IMPACT HAZARD**

Flying debris or objects can cause serious injury or death.

- Never direct discharge toward bystanders, buildings, or other property.
- Foreign objects or ice chunks can be thrown great distances. ◀

W-2382

2. Rotate the discharge chute to the desired position and adjust deflector to control the distance the snow is thrown.
(See Machine / Implement Setup on Page 13)

The upper link may need to be adjusted to set the cutting edge to get the desired finish for the area being cleared.

(See Adjusting The Top Link on Page 16)

3. Enter the compact tractor.
(See Entering And Exiting The Compact Tractor on Page 14)
4. Start the engine.
5. Raise the three-point snowblower a few inches from ground. (See the compact tractor Operation & Maintenance Manual for detailed information on operating the compact tractor.)
6. Move the Engine Speed Control lever to low engine speed.

7. Press the brake pedal(s) and press down fully on the clutch pedal (if applicable).
8. Engage the rear - PTO system (see the compact tractor Operation & Maintenance Manual).
9. Slowly release the clutch pedal (if applicable).
The rear - PTO driveline will start to rotate and the three-point snowblower auger will begin to turn.
10. Move the engine speed lever to increase engine speed to the correct RPM as indicated on the tachometer. This will cause the rear - PTO shaft to rotate at 540 rpm. Do Not exceed a rear - PTO speed of 540 rpm.

Figure 33



11. Lower the three-point snowblower setting the skid shoes on the ground.
12. Start backing up, moving towards the area to be cleared. Watch for and avoid obstructions and obstacles that may cause damage to the three-point snowblower and machine.
13. When done with pass, stop backing up and raise the three-point snowblower a few inches off the ground. Use caution when raising the three-point implement when the PTO is engaged, if the three-point snowblower is raised to high the PTO shaft may bind causing damage.
NOTE: Caution is to be used when raising the three-point snowblower when PTO is engaged.
14. Drive the machine back to the starting end, while moving over up to 3/4 the width of the three-point snowblower to the side to be cleared.
15. Follow steps 11 through 14 until the area is cleared.

The machine speed is determined by the depth and density of the snow.

⚠ WARNING

IMPACT HAZARD

Failure to follow instructions can cause serious injury or death.

- Stay at least 3 m (10ft) away from operating equipment.
- Stop engine before cleaning or servicing.
- Keep all guards in place. ◀

W-2708

Clearing The Discharge Chute

When the discharge chute becomes plugged, disengage the rear - PTO system (see the machine's Operation & Maintenance Manual).

⚠ WARNING

UNINTENDED MOVEMENT HAZARD

Failure to follow instructions can cause serious injury or death.

Before you leave the operator's seat:

Fully lower the loader arms, put the attachment flat on the ground (if equipped).

Fully lower the implement(s) to the ground (if equipped).

Lock brake pedals together (if equipped) and engage the parking brake.

Place all controls in neutral.

Stop the engine, unfasten the seat belt, and remove the key. ◀

W-3178

1. Park on flat level ground.
2. Fully lower the loader arms and put the implement flat on the ground (if equipped).
3. Lock brake pedals together (if equipped) and engage the parking brake.
4. Place all controls in neutral.
5. Stop the engine and exit the machine. (See Entering And Exiting The Compact Tractor on Page 14)

Make sure the PTO driveline and all rotating components have come to a complete stop before exiting the machine.

⚠ DANGER

ENTANGLEMENT HAZARD

Rotating blades can cause serious injury or death. Keep away from auger, fan, and other moving parts. Do not operate with guards removed. ◀

D-1008



- p-83403
6. Remove the snow or foreign material plugging the discharge chute.
 7. Enter the machine.
(See Entering And Exiting The Compact Tractor on Page 14)
 8. Start the engine.
 9. Raise the three-point snowblower a few inches from ground. (See the machine's Operation & Maintenance Manual for detailed information.)
 10. Engage the rear - PTO system (see the machine's Operation & Maintenance Manual).
 11. Lower the three-point snowblower setting the skid shoes on the ground.
 12. Slowly start backing to make sure the discharge chute is unplugged.

Removing The Three-Point Implement

NOTE: In muddy conditions or to prevent the implement from freezing to the ground, put the implement on planks or blocks before removing the implement from the machine.

⚠ WARNING

UNINTENDED MOVEMENT HAZARD

Failure to follow instructions can cause serious injury or death.

Before you leave the operator's seat:

Fully lower the loader arms, put the attachment flat on the ground (if equipped).

Fully lower the implement(s) to the ground (if equipped).

Lock brake pedals together (if equipped) and engage the parking brake.

Place all controls in neutral.

Stop the engine, unfasten the seat belt, and remove the key. ◀

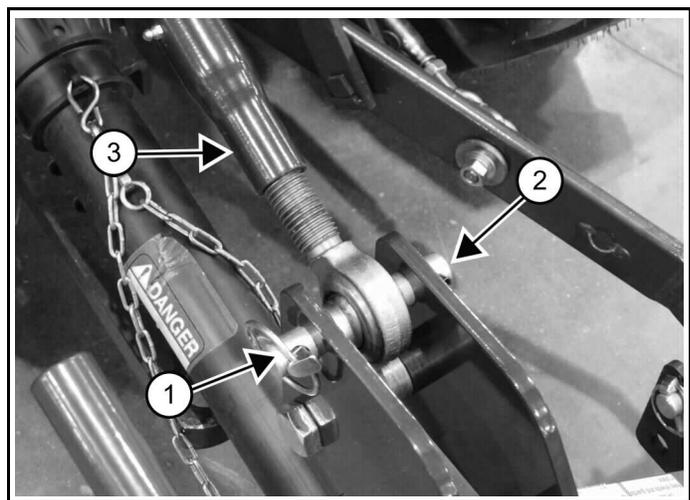
- w-3178
1. Park on flat level ground.
 2. Fully lower the loader arms and put the implement flat on the ground (if equipped).

3. Lock brake pedals together (if equipped) and engage the parking brake.
4. Place all controls in neutral.
5. Stop the engine and exit the machine.
(See Entering And Exiting The Compact Tractor on Page 14)

Make sure the PTO driveline and all rotating components have come to a complete stop before exiting the machine.

6. Disconnect the PTO driveline (if applicable).
(See Removing The Rear Power Take-Off (PTO) on Page 19)

Figure 34

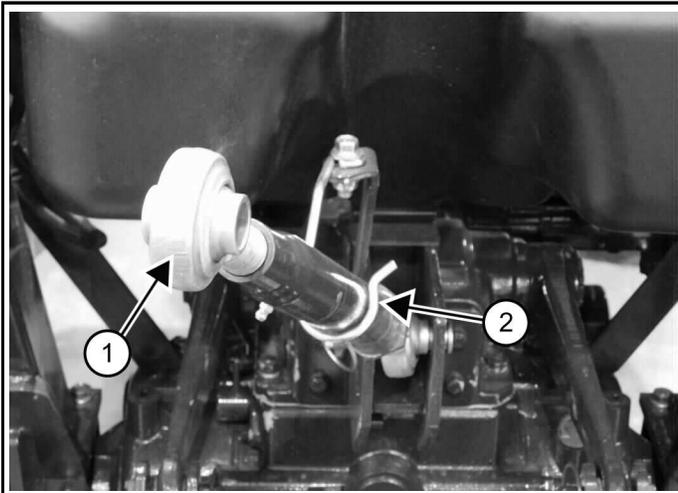


- C138245a
7. Remove the retainer pin (Item 1) and pin (Item 2) [Figure 34].

It may be necessary to lengthen or shorten the top link for pin removal.
(See Adjusting The Top Link on Page 16)

8. Remove the top link (Item 3) [Figure 34] from the implement.

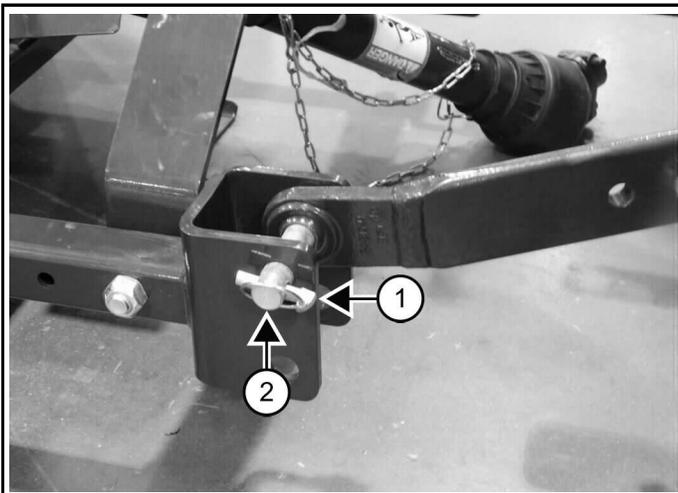
Figure 35



C138244a

9. Place the top link (Item 1) into the storage position bracket (Item 2) [Figure 35].

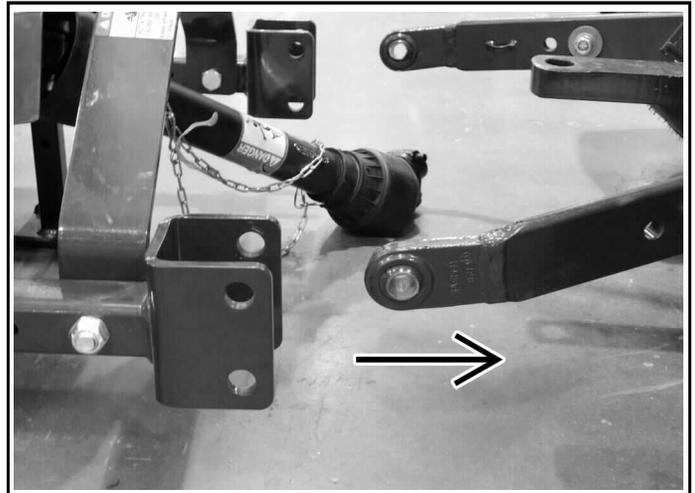
Figure 36



C138262a

10. Remove the retainer pins (Item 1) and the implement mounting pins (Item 2) [Figure 36] (both sides).
11. Enter the machine.
(See Entering And Exiting The Compact Tractor on Page 14)
12. Start the engine.

Figure 37



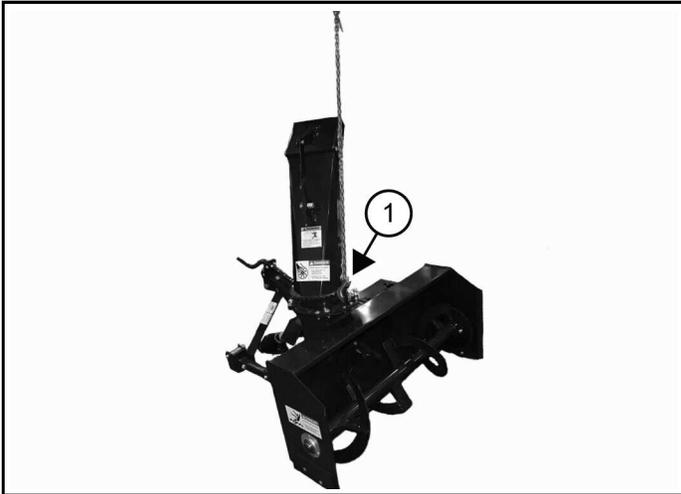
C138261a

13. Slowly drive the compact tractor away from the implement [Figure 37].
14. Reinstall the implement mounting pins (Item 1) and the retaining pins (Item 2) [Figure 36] (both sides).

LIFTING THE IMPLEMENT

Use chains that are in good condition and of adequate size to lift the implement.

Figure 38



C138242b

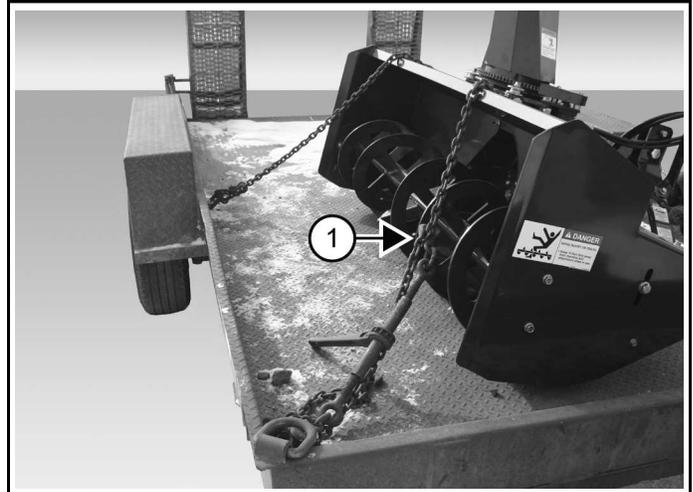
- Fasten the chain to the three-point snowblower (Item 1) [Figure 38].

TRANSPORTING THE IMPLEMENT ON A TRAILER

Fastening The Implement On A Trailer

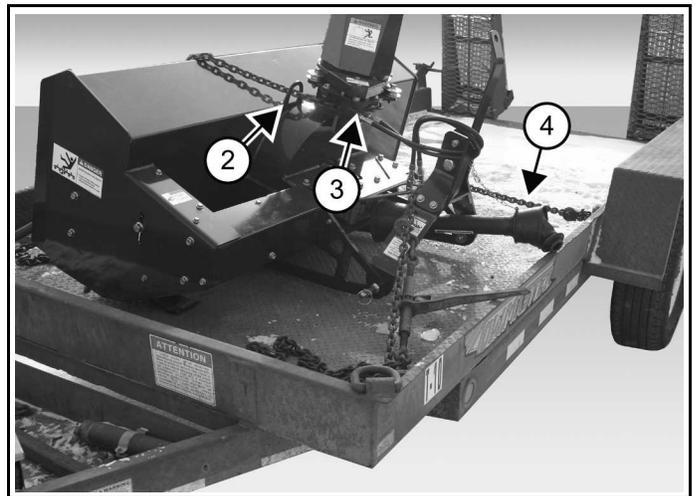
NOTE: The following picture may not show your exact implement but the procedure is the same.

Figure 39



p-79853b

Figure 40



p-79854b

1. With the three-point snowblower on the transport vehicle, place the chain (Item 1) from the frame of the transport vehicle, over the top of the snowblower, through the lifting lug (Item 2) and around the base of the chute (Item 3) [Figure 39] and [Figure 40] and back to the transport vehicle.
2. Install a second chain (Item 4) [Figure 40] to the transport vehicle, then route through the mounting frame and back to the transport vehicle.

- Use chain binders to prevent the implement from moving during transport.

TRANSPORTING THE IMPLEMENT AND MACHINE ON A TRAILER

WARNING

INSTABILITY HAZARD

Wood ramps can break and cause personal injury. Use adequately designed ramps of sufficient strength to support the weight of the machine loading onto a transport vehicle. ◀

W2058

Be sure the transport and towing vehicles are of adequate size and capacity for weight of machine and attachment / implement combination. (See machine and attachment Operation & Maintenance Manuals for specifications)

Loading

- The rear of the trailer must be blocked or supported when loading and unloading to prevent the front of the trailer from raising.
 - Load the heaviest end of the machine and attachment / implement combination first.
 - Lower the attachment / implement to the floor.
 - Turn the machine off.
 - Engage the parking brake (if equipped).
 - Exit the machine. (See the machine's Operation & Maintenance Manual for the correct procedure.)

Fastening

- Install the chains at the front and rear tie-down positions on the machine. (See the machine's Operation & Maintenance Manual to properly chain the machine to the transport vehicle.)
 - Install chains on the attachment / implement (if required).
 - Fasten each end of the chain to the transport vehicle.

NOTE: Use chain binders to prevent the attachment / implement and machine from moving during transport.

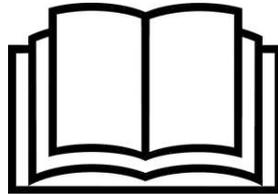
MAINTENANCE SAFETY WARNINGS



- Never service the Ignite Attachments attachment / implement without instructions. Read and understand the Operation & Maintenance Manual and safety signs (decals) on machine.
- Follow warnings and instructions in manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.



This Safety Alert Symbol means: "Attention! Be Alert! Your Safety is Involved!" Carefully read the message that follows.



- Never service attachments / implements without instructions. See Operation & Maintenance Manual and Attachment / Implement Service Manual.
- Cleaning and maintenance are required daily.
- Never service or adjust attachment / implement with the engine running unless instructed to do so in manual.
- Always lower the attachment / implement to the ground before lubricating or servicing.
- Avoid contact with leaking hydraulic fluid or diesel fuel under pressure. It can penetrate skin or eyes.
- Stop, cool, and clean engine of flammable materials before checking fluids.
- Keep body, loose objects, and clothing away from moving parts, electrical contacts, hot parts, and exhaust.
- Safety glasses are needed for eye protection from electrical arcs, battery acid, compressed springs, fluids under pressure, and flying debris or when tools are used. Use eye protection approved for type of welding.

Maintenance procedures which are given in the Operation & Maintenance Manual can be performed by the owner/operator without any specific technical training. Maintenance procedures which are not in the Operation & Maintenance Manual must be performed **ONLY BY QUALIFIED SERVICE PERSONNEL**. Always use genuine Ignite Attachments replacement parts.

TROUBLESHOOTING

Troubleshooting The Implement

PROBLEM	CAUSE	CORRECTION
Three-point snowblower does not operate	Damaged or incorrect implement of the PTO shaft	Check connection, connect properly, repair or replace
	Auger shear bolt has sheared / missing	Replace bolt
	PTO shear bolt has sheared / missing	Replace bolt
	Chain broke or derailed	Repair or replace
	Bolt at connection of sprocket to auger broke or missing	Replace bolt
Chute does not rotate	Loose or broken chute rotation gear	Repair or replace
Three-point snowblower cuts too low / too high	Skid shoes out of adjustment	Raise or lower skid shoes as needed

SERVICE SCHEDULE

Maintenance Intervals

Maintenance work must be done at regular intervals. Failure to do so will result in excessive wear and early failures.

Explanation of the service intervals:

- **10:** Every 10 hours or daily (before starting the machine).
- **50:** Every 50 hours or every 12 months, whichever comes first.

Service Schedule			
O	Check condition / proper operation. Adjust or replace as needed.		
G	Grease.		
V	Refill as needed.		
R	Replace.		
Item	Service Required	Service Interval (hours)	
		10	50
Implement Frame Inspection	Inspect for cracks or damage.	O	
Skid Shoe Inspection	Inspect for excess wear, cracks, damage and loose hardware.	O	
Check Chain Tension	Adjust and/or replace chain as required. (See Adjusting The Chain Tightness on Page 36)	O	
Grease PTO Shaft And All Grease Fittings	Grease PTO shaft and knuckles. (See Lubrication Locations on Page 37)	G	
Gearbox Lubrication Level	Check for proper level of fluid. (See Checking Gearbox Fluid Level on Page 35)	V	
Change Lubrication	Change Gearbox Oil.		R

REGULAR MAINTENANCE ITEMS

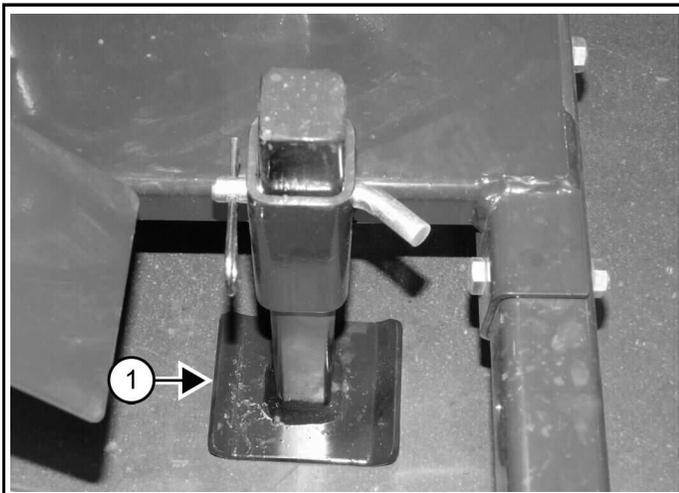
Inspecting The Jackstand

⚠ WARNING

CRUSHING HAZARD

Falling implement can cause serious injury or death.
Securely block up the implement before working underneath. ◀

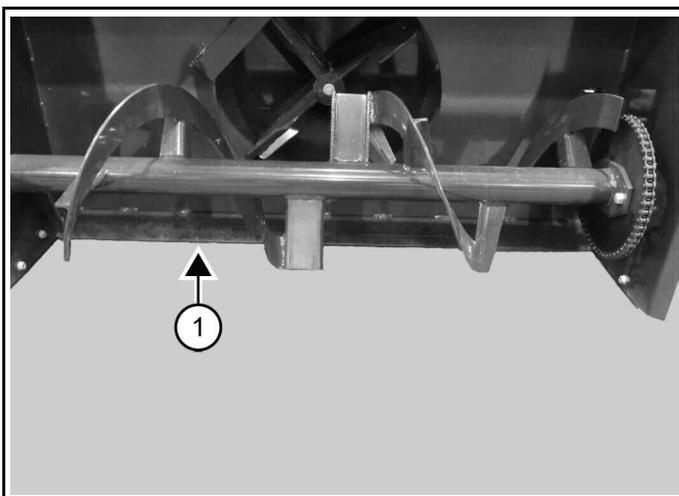
Figure 41



Inspect the jackstand (Item 1), repair or replace if any cracks, damage or excessive wear is visible [Figure 41].

Inspecting The Cutting Edge

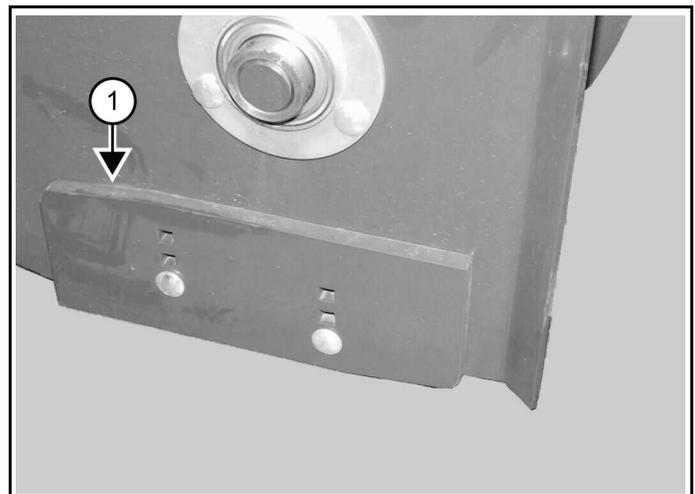
Figure 42



Inspect the cutting edge (Item 1), for any cracks, damage or excessive wear [Figure 42].

Inspecting The Skid Shoes

Figure 43



Inspect the skid shoes (Item 1), for any cracks, damage or excessive wear [Figure 43] (both sides).

Checking Gearbox Fluid Level

⚠ WARNING

IMPACT AND INJECTION HAZARDS

Flying debris or pressurized fluids can cause serious injury or death.

Wear safety glasses to prevent eye injury when any of the following conditions exist:

- When fluids are under pressure.
- Flying debris or loose material.
- Engine is running.
- Tools are being used. ◀

W-2019

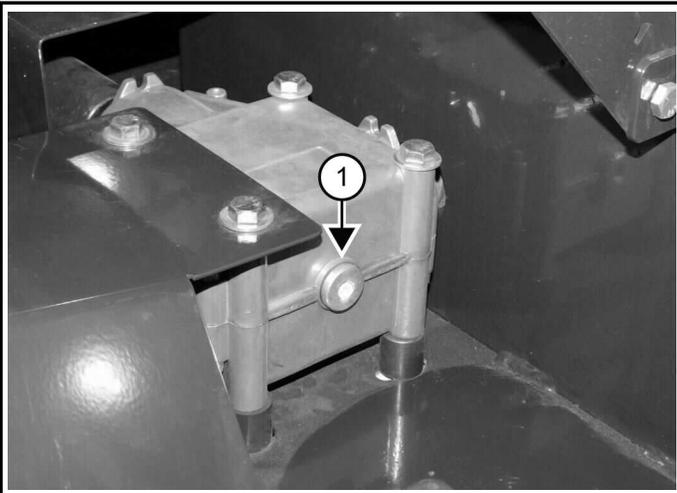
⚠ IMPORTANT

ENVIRONMENTAL HAZARD

Fluids such as engine oil, hydraulic fluid, coolants, grease, etc. must be disposed of in an environmentally safe manner. Some regulations require that certain spills and leaks on the ground must be cleaned in a specific manner. See local regulations for correct disposal methods. ◀

I-2067

Figure 44



C138252a

- Remove the oil level plug (Item 1) [Figure 44]. If oil is level with oil level plug hole, reinstall plug.
- For low fluid level, add SAE EP 80W90 to gearbox.
- When fluid is at the correct level, reinstall and tighten the fill plug.

Adjusting The Chain Tightness

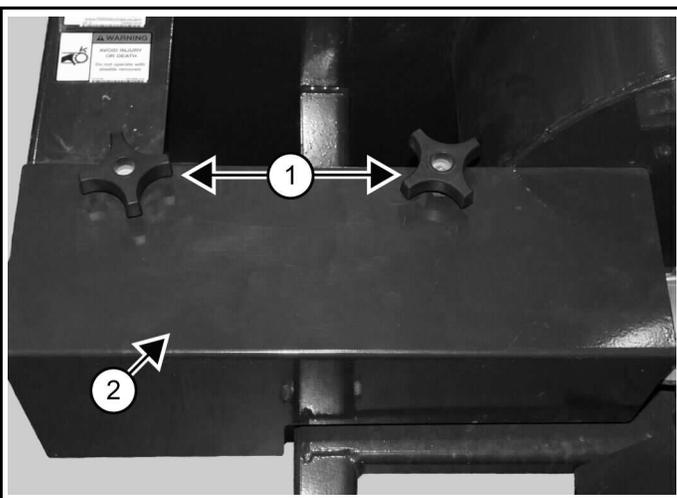
⚠ WARNING

IMPACT HAZARD

Flying debris can cause serious injury or death. Do not operate with shield removed. Do not modify. ◀

W-2609

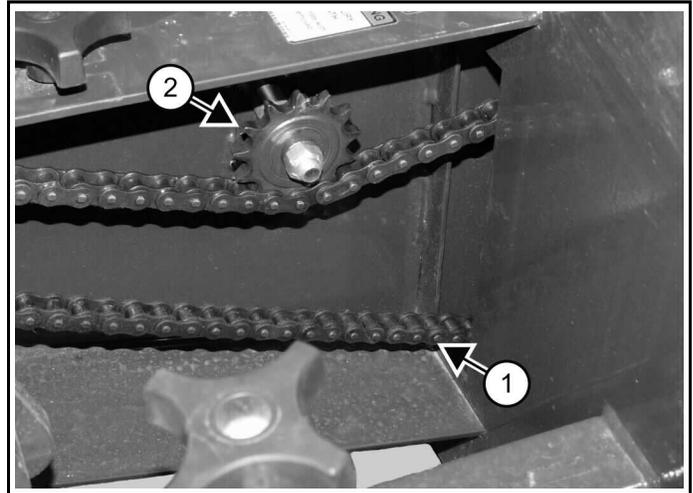
Figure 45



C138253a

1. Loosen the two clamping knobs (Item 1) and remove the cover (Item 2) [Figure 45].

Figure 46



C138254a

There should be approximately 1/2 of an inch of movement in the chain (Item 1) [Figure 46].

2. To adjust the chain tension, loosen the idler gear (Item 2) [Figure 46]. Slide the idler gear to the proper chain tension and tighten.

Cleaning The Snowblower

⚠ WARNING

IMPACT AND INJECTION HAZARDS

Flying debris or pressurized fluids can cause serious injury or death.

Wear safety glasses to prevent eye injury when any of the following conditions exist:

- When fluids are under pressure.
- Flying debris or loose material.
- Engine is running.
- Tools are being used. ◀

W-2019

1. Stop the machine and implement on a flat level surface.
2. Engage the parking brake.
3. Disengage the rear - PTO.
4. Place all controls in neutral.
5. Stop the engine, unfasten the seat belt, remove the key, and exit the machine.
6. Disconnect the PTO driveline.
7. Use water or air pressure to clean debris from the three-point snowblower.

8. Use care when removing any obstructions that are wrapped around auger or driveline.

LUBRICATING THE IMPLEMENT

Lubrication Locations

⚠ WARNING

UNINTENDED MOVEMENT HAZARD

Failure to follow instructions can cause serious injury or death.

The parking brake must be engaged before leaving the operator's seat. Rollaway can occur because the transmission may not prevent machine movement. Lock the brake pedals together (if equipped) before activating the parking brake. ◀

W-2558

⚠ WARNING

ENTANGLEMENT HAZARD

Failure to follow instructions can cause serious injury or death.

Disengage the PTO (rear and mid), engage the parking brake, stop the engine and make sure all rotating components are completely stopped before connecting, disconnecting, adjusting or cleaning any PTO driven equipment.

Always keep PTO shields and all guards in place when using PTO driven equipment.

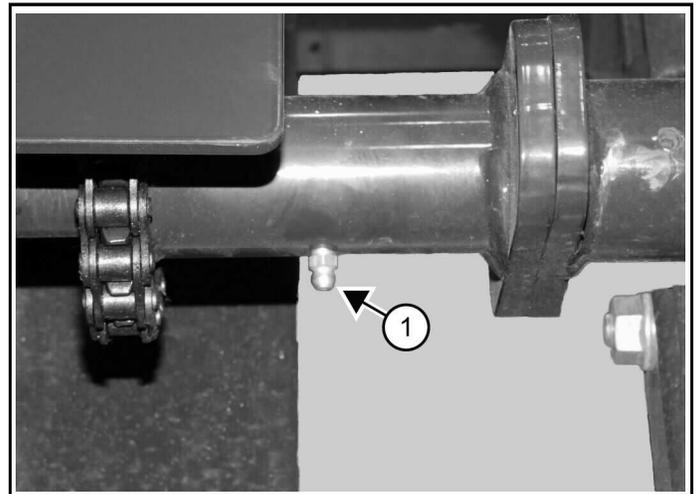
Disengage PTO (rear and mid) for road travel.

Keep hands, feet, and clothing away. ◀

W-2558

Always use a good quality lithium base multi-purpose grease when lubricating the three-point snowblower.

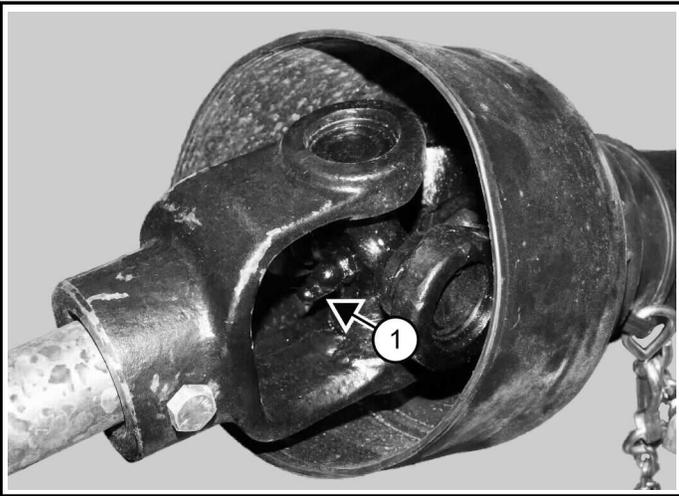
Figure 47



C138254a

- The grease zerk (Item 1) [Figure 47] is located on the gearbox drive shaft, wipe any excess grease or dirt off before greasing.

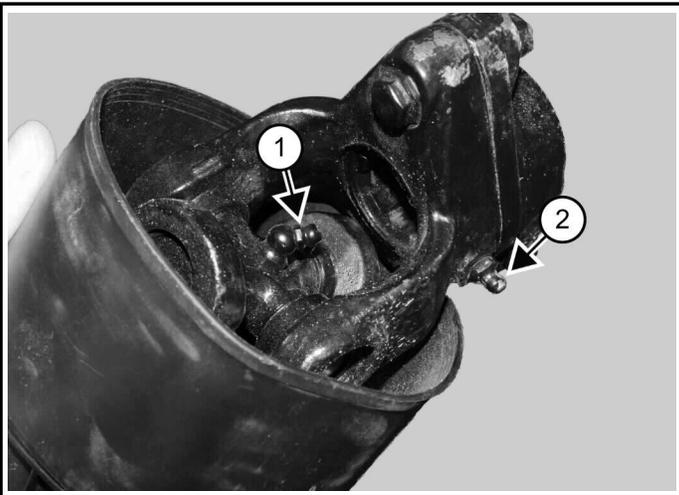
Figure 48



C138259a

- The grease zerk (Item 1) [Figure 48] is located on the gearbox side of the PTO shaft on the knuckle, wipe any excess grease or dirt off before greasing.

Figure 49



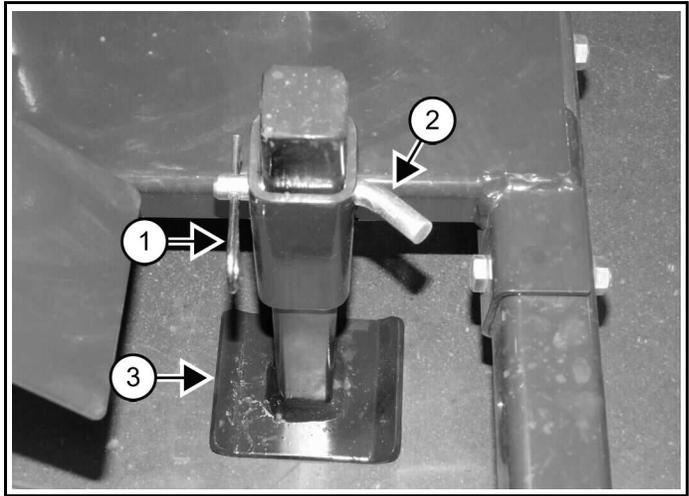
C138259a

- The grease zerks are located on the machine side of the PTO shaft on the knuckle (Item 1) and the PTO shaft connector (Item 2) [Figure 49], wipe any excess grease or dirt off before greasing.

REMOVAL AND INSTALLATION

Removing The Jackstand

Figure 50

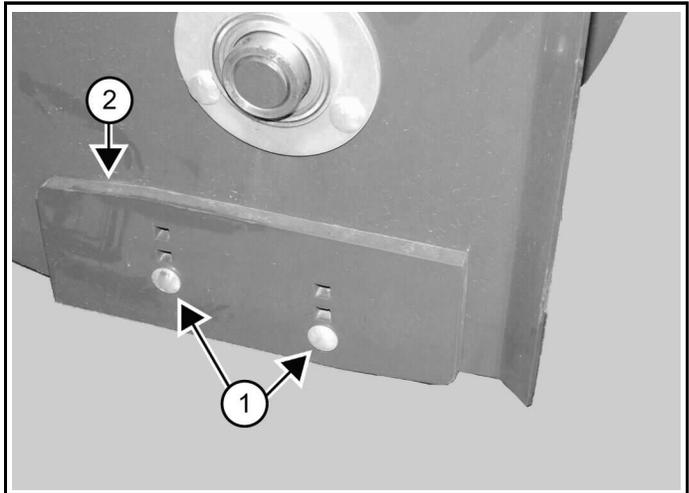


C138250a

To remove jackstand (Item 3), remove the retaining pin (Item 1) and pin (Item 2) [Figure 50].

Removing The Skid Shoe

Figure 51



C138152a

To remove skid shoe (Item 2), remove the bolts and nuts (Item 1) [Figure 51].

STORAGE AND RETURN TO SERVICE

Implement Storage

Sometimes it may be necessary to store your Ignite Attachments implement for an extended period of time. Below is a list of items to perform before storage.

- Thoroughly clean and wash the implement.
- Lubricate the implement (if applicable).
- Inspect the three-point mounts, mounting pins and all welds on the implement for wear and damage.
- Check for loose hardware, missing guards, or damaged parts.
- Check for damaged or missing decals. Replace if necessary.
- Replace worn or damaged parts.
- Place the implement in a dry protected shelter.
- Place the implement flat on the ground.
- In muddy conditions or to prevent the implement from freezing to the ground, put the implement on planks or blocks before removing the implement from the machine.

Return To Service

After the Ignite Attachments implement has been in storage, it is necessary to follow a list of items to return the implement to service.

- Be sure all shields and guards are in place.
- Lubricate the implement (if applicable).
- Install and operate implement, check for correct function.
- Check oil level in the gearbox (if applicable).

IMPLEMENT DIMENSIONS

Certain specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual Ignite Attachments equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors.

- All dimension are shown in millimeters. Respective standard dimensions are given in inches enclosed by parentheses.
- Where applicable, specifications conform to SAE and ISO standards and are subject to change without notice.

DESCRIPTION	SNOWBLOWER 50 in.	SNOWBLOWER 60 in.	SNOWBLOWER 66 in.	SNOWBLOWER 74 in.
Cutting Width	1270 mm (50.0 in)	1524 mm (60.0 in)	1676,4 mm (66.0 in)	1879,6 mm (74.0 in)
Cutting Height	549,3 mm (21.625 in)	549,3 mm (21.625 in)	549,3 mm (21.625 in)	549,3 mm (21.625 in)
Tractor Requirement	15 HP to 35 HP	15 HP to 35 HP	25 HP to 50 HP	35 HP to 50 HP
Weight	493 lb	529 lb	593 lb	629 lb
Fan	4 Blade			
Fan Dimensions	479,4 mm (18.875 in) dia. x 452,4 mm (17.81 in) deep			
Drive Fan	Direct From Gearbox			
Auger Diameter	356 mm (14.0 in) OD x 73,2 mm (2.88 in) OD Tube			
Skid Shoes	Bolt On/Reversible			
Hitch Category	CAT 1			

IMPLEMENT CAPACITIES

Aluminum Housing Gearbox Fluid	500 ml (16.9 U.S. fl oz) of High Quality Lithium Grease
Cast Housing Gearbox Fluid	1,2 L (40.6 U.S. fl oz) of SAE EP 80W90

IMPLEMENT WARRANTY

A statement explaining the terms and conditions of the warranty coverage that applies to your implement is available by visiting Igniteattachments.com.

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Reference Information

Product Serial Number:

Engine Serial Number:

Dealer Information:



WARNING Cancer and Reproductive Harm. This product can expose you to chemicals including lead and lead compounds, mineral oils, and phthalates which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.