FORM NO. 3318–826

TORO®

Wheel Horse®

44” Snowthrower

for
Garden Tractors

Model No. 79361 – 6900001 & Up

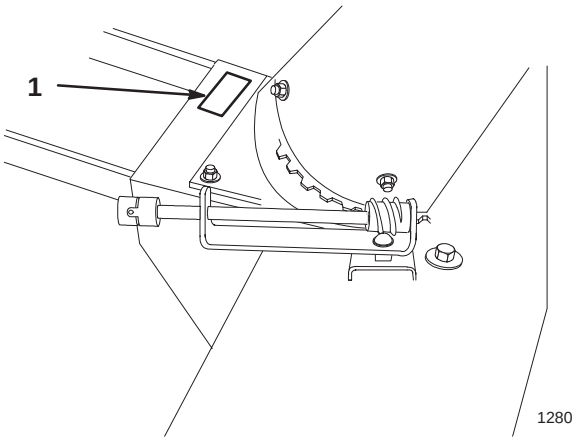
Operator’s Manual

IMPORTANT: Read this manual carefully. It contains information about your safety and the safety of others. Also become familiar with the controls and their proper use before you operate the product.

Introduction

We want you to be completely satisfied with your new product, so feel free to contact your local Authorized Service Dealer for help with service, genuine replacement parts, or other information you may require.

Whenever you contact your Authorized Service Dealer or the factory, always know the model and serial numbers of your product. These numbers will help the Service Dealer or Service Representative provide exact information about your specific product. You will find the model and serial number plate located in a unique place on the product as shown below.



1. Model and Serial Number Plate

For your convenience, write the product model and serial numbers in the space below.

Model No: _____

Serial No. _____

The warning system in this manual identifies potential hazards and has special safety messages that help you and others avoid personal injury, even death. DANGER, WARNING and CAUTION are signal words used to identify the level of hazard. However, regardless of the hazard, be extremely careful.

DANGER signals an extreme hazard that will cause serious injury or death if the recommended precautions are not followed.

WARNING signals a hazard that may cause serious injury or death if the recommended precautions are not followed.

CAUTION signals a hazard that may cause minor or moderate injury if the recommended precautions are not followed.

Two other words are also used to highlight information. “Important” calls attention to special mechanical information and “Note” emphasizes general information worthy of special attention.

The left and right side of the machine is determined by sitting on the seat in the normal operator’s position.

Printed in USA

Contents

Safety and Instruction Decals

Safety decals and instructions are easily visible to the operator and are located near any area of potential danger. Replace any decal that is damaged or lost.

ON BACK OF HOUSING
RIGHT SIDE
(Part No. 92–8652)

ON BACK OF CHUTE
LEFT AND RIGHT SIDE (2)
(Part No. 94–8079)

ON BACK OF HOUSING
LEFT AND RIGHT SIDE (2)
(Part No. 63–2380)

Assembly

Loose Parts

Note: Use the chart below to identify parts used for assembly.

DESCRIPTION	QTY.	USE
Housing	1	Install frame and pulley
Frame	1	
Bolt 3/8–16 x 1”	6	
Locknut 3/8”	6	
Spring	1	
Drive chain	1	
Chain cover	1	
Bolt 1/4–20 x 1/2”	2	
Rotor assembly	1	Install rotator and discharge chute assembly
Carriage bolt 5/16–18 x 1”	1	
Discharge chute-upper section	1	
Discharge chute-lower section	1	
Discharge cover	1	
Carriage bolt 5/16–18 x 5/8”	2	
Carriage bolt 5/16–18 x 3/4”	3	
Washer 5/16”	5	
Locknut 5/16”	6	
Belt guard bracket	1	Install belt guard and anti-sway brackets
Bolt 3/8–16 x 2”	2	
Locknut 3/8”	2	
Anti-sway bracket	1	
Clevis pin	1	
Belt cover	1	
Washer 3/8”	2	
Hairpin cotter	3	

DESCRIPTION	QTY.	USE
Snowthrower assembly	1	Mount snowthrower to tractor
Lift link	1	
Lift rod	1	
Lift assist spring	1	
Adjustable link	1	
Clevis pin	1	
Washer 9/32”	4	
Hairpin cotter	8	
Lift spring	1	
Retainers	2	
Belt	1	
Crank handle	1	
Handle support	1	
Clevis pin-locking	1	

Assemble Snowthrower

1. Place drive chain behind, not on, gearbox drive sprocket (Fig. 1).

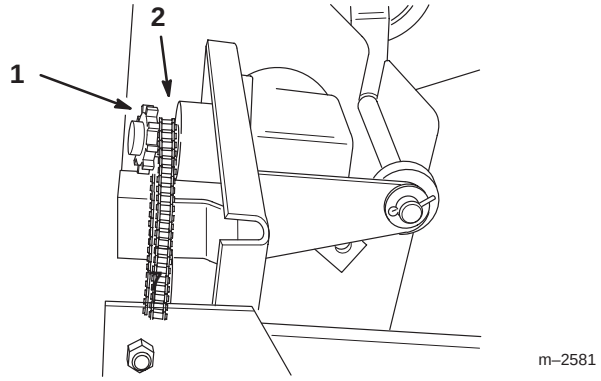


Figure 1

1. Drive sprocket
2. Drive chain

2. Remove cross bar from frame, secured by (2) bolts and lock washers (Fig. 2). Slide frame into housing and secure with cross bar, bolts and lock washers, previously removed and (6) 3/8 x 1” bolts (heads to the inside) and (4) 3/8” locknuts (Fig. 2).

3. Hook long end of spring between frame bolt and idler pulley bellcrank (Fig. 2).

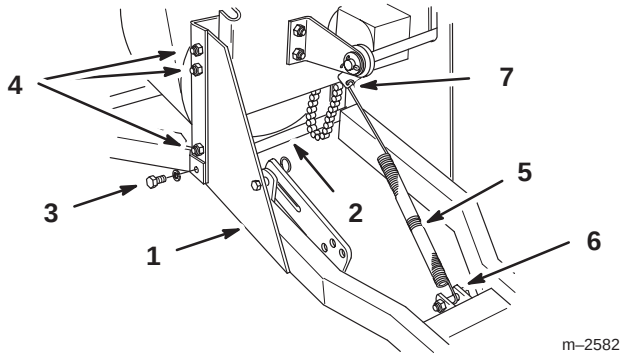


Figure 2

1. Frame
2. Cross bar
3. Bolt and lock washer
4. Bolt 3/8 x 1” and Locknut 3/8”
5. Spring
6. Frame bolt
7. Bellcrank

4. Place drive chain on gearbox and large sprockets (Fig. 3).

IMPORTANT: Check that sprockets are in line with each other. If not, loosen set screws and align.

5. Adjust chain tension block so chain deflects 3/8”to 5/8” between sprockets (Fig. 3).

IMPORTANT: Do not overtighten chain or excessive wear will occur.

6. Install chain cover with (2) 1/4 x 1/2” bolts (Fig. 3).

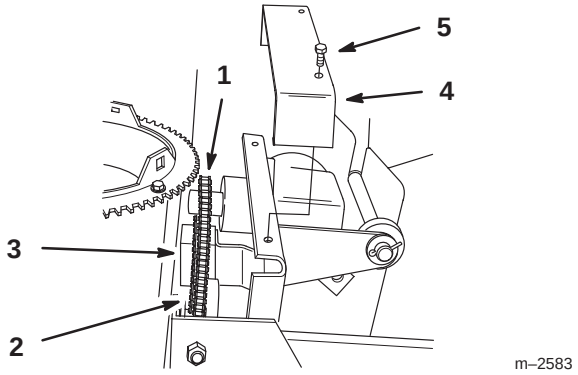


Figure 3

1. Chain
2. Large sprocket
3. Tension block
4. Chain cover
5. Bolt 1/4 x 1/2”

7. Install discharge chute rotator assembly into slot in housing with 5/16 x 1” carriage bolt (head to top) and 5/16” locknut (Fig. 4).

8. Adjust rotator assembly so that worm gear is at right angle with chute, the teeth mesh fully and the chute turns freely, tighten locknut securely.

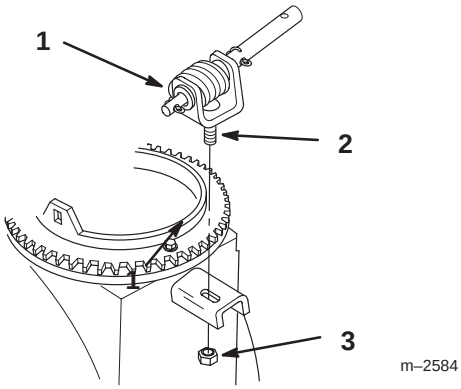


Figure 4

1. Rotator assembly
2. Carriage bolt 5/16 x 1”
3. Locknut 5/16”

9. Assemble upper discharge chute section outside and on top of lower section with (2) 5/16 x 5/8” carriage bolts (heads on inside), (2) 5/16” washers and (2) 5/16” locknuts (Fig. 5).

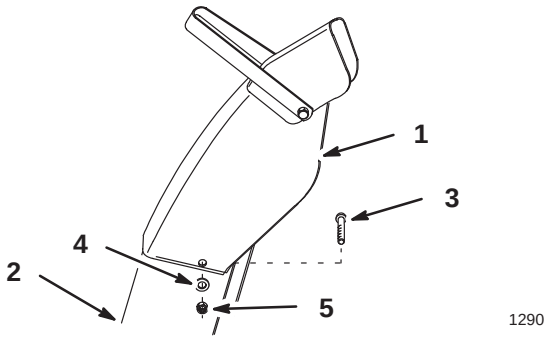


Figure 5

1. Upper section
2. Lower section
3. Carriage bolt 5/16 x 5/8”
4. Washer 5/16”
5. Locknut 5/16”

10. Install discharge chute assembly and cover onto housing with (3) 5/16 x 3/4” carriage bolts (heads to inside), (3) 5/16” washers and (3) 5/16” locknuts (Fig. 6).

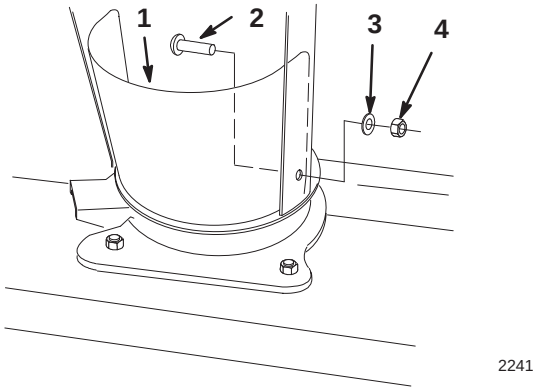


Figure 6

1. Discharge chute cover
2. Carriage bolt 5/16 x 3/4”
3. Washer 5/16”
4. Locknut 5/16”

Install Snowthrower to Tractor

⚠ DANGER

POTENTIAL HAZARD

- **When snowthrower is attached to the tractor, without additional weight, the tractor may become unstable.**

WHAT CAN HAPPEN

- **Loss of traction and stability may cause loss of tractor control.**

HOW TO AVOID THE HAZARD

- **NEVER operate tractor, equipped with snowthrower, unless 100lb rear wheel weights are installed.**

1. Park the machine on a level surface, disengage the power take off (PTO), set the parking brake, and turn the ignition key to "OFF" to stop the engine. Remove the key.

2. Remove the belt cover; refer to tractor Operator's Manual.

3. Install belt guard bracket to tractor frame with (2) 3/8 x 2" bolts and 3/8" locknuts (Fig. 7).

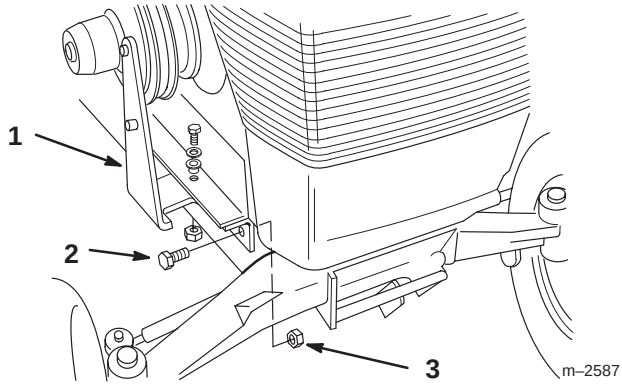


Figure 7

1. Belt guard bracket
2. Bolt 3/8 x 2"
3. Locknut 3/8"

4. Slide anti-sway bracket into guide slot in the front of the belt guard bracket and secure to frame with clevis pin and hairpin cotter (Fig.

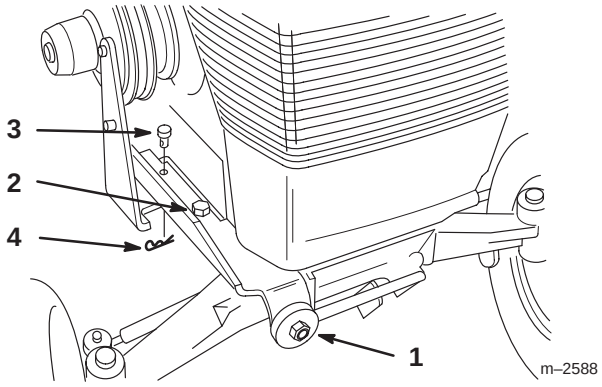


Figure 8

1. Anti-sway bracket
2. Guide
3. Clevis pin
4. Hairpin cotter

5. Position tractor over rear of snowthrower frame. Open mid-mount hitch and lift frame rod into hitch. Close and lock hitch (Fig. 9).

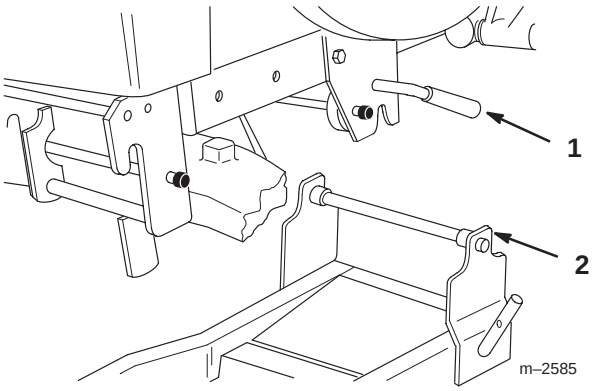


Figure 9

1. Mid–mount hitch
2. Frame rod

6. Open front hitch on tractor and install lift link (Fig. 10).

7. Place lift rod into lower arm of lift link and secure with washer and hairpin cotter (Fig. 10).

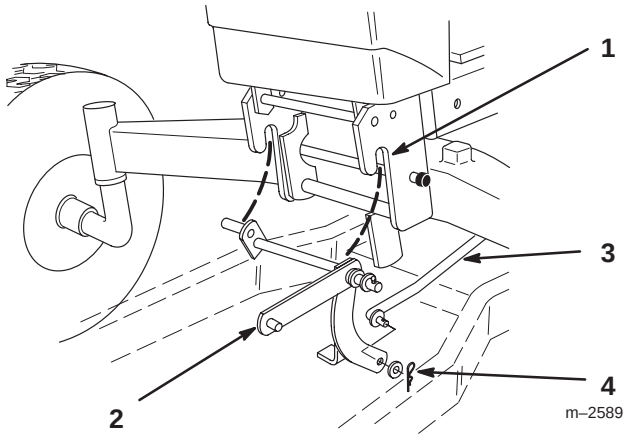


Figure 10

1. Front hitch
2. Lift link
3. Lift rod
4. Washer and hairpin cotter

8. Turn Dial-A-Height knob counterclockwise and lower attachment lift all the way down.

9. Place rear of lift rod into tractor lift arm and secure with washer and hairpin cotter (Fig. 11).

10. Hook lift assist spring between snowthrower frame rod and tab on lift rod (Fig. 11).

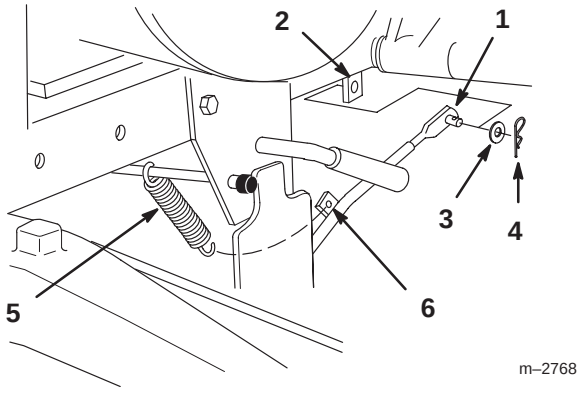


Figure 11

1. Lift rod
2. Tractor lift arm
3. Washer
4. Hairpin cotter
5. Lift assist spring
6. Tab

11. Install adjustment link between snowthrower frame, with clevis pin, and lift link arm. Secure with washers and hairpin cotters (Fig. 12).

12. Select upper hole in adjustment link depending on surface conditions; refer to Operation Section.

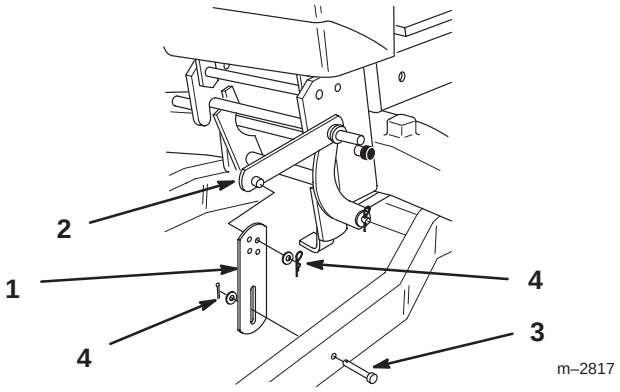


Figure 12

1. Adjustable link
2. Lift link arm
3. Clevis pin
4. Washer and hairpin cotter

13. Raise tractor attachment lift to the transport position and place a block under snowthrower housing. Turn the Dial-A-Height knob counterclockwise, all the way, and lower the attachment to the mounting position; refer to Operation, Lowering Attachments.

14. Raise arm of lift link into the relaxed position (Fig. 13).

15. Install lift spring between frame and lift link with retainers, inside body of spring, and secure with hairpin cotters (Fig. 13).

16. Push arm of lift link down into locked position (Fig. 13).

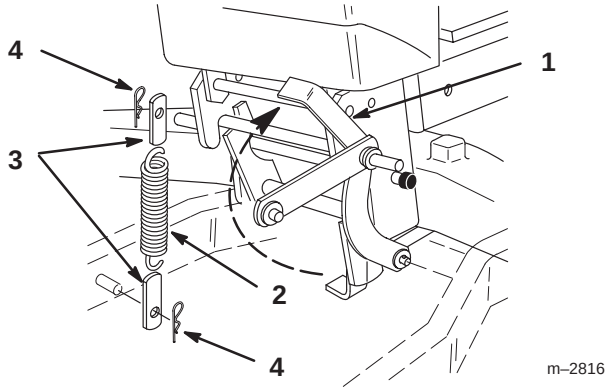


Figure 13

1. Lift link arm
2. Lift spring
3. Retainer
4. Hairpin cotter

17. Remove the two wing nuts and belt cover from the tractor (Fig. 14).

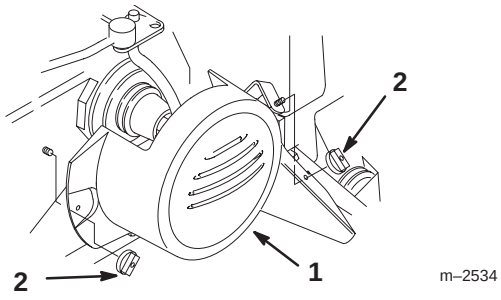


Figure 14

5. Belt cover
6. Wing nut

18. Remove hairpin cotters from trunnion and bottom of yoke (Fig. 15).

19. Unlatch and remove locking clevis pin that secures yoke assembly to clutch shaft. Pivot yoke out and forward to remove from clutch shaft and engagement plate (Fig. 15).

20. Place snowthrower belt in outer pulley groove (Fig. 15).

21. Assemble yoke and engagement plate and attach locking clevis pin, trunnion and hairpin cotters to secure (Fig. 15).

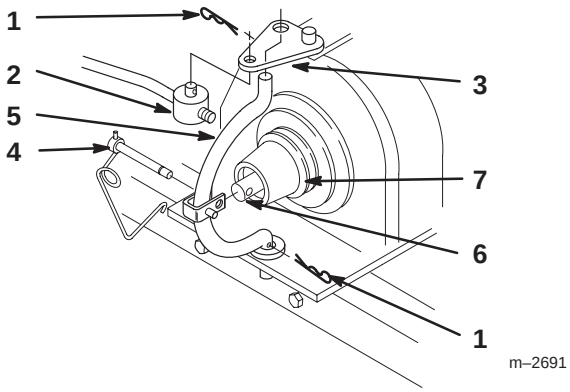


Figure 15

1. Hairpin cotter
2. Trunnion
3. Engagement plate
4. Locking clevis pin
5. Yoke
6. Clutch shaft
7. Outer groove

22. Route belt around idler pulleys (Fig. 16).

23. Rotate idler bracket to stretch spring and slip belt over snowthrower pulley (Fig. 16),

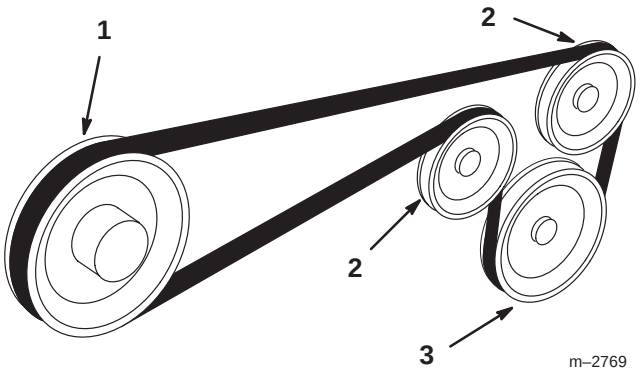


Figure 16

1. Outer groove of (PTO) power take off
2. Idler pulley
3. Snowthrower pulley

24. Install belt cover to belt guard bracket and secure with washers and hairpin cotters (Fig. 17),

Note: Use inner holes for single cylinder engines and outer holes for twin cylinder engines.

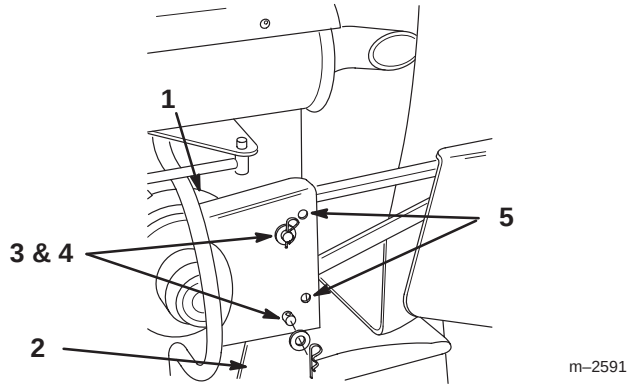


Figure 17

1. Belt cover
2. Belt guard bracket
3. Washer and hairpin cotter
4. Single cylinder holes
5. Twin cylinder holes

25. Slide handle support over pin on frame and secure with locking clevis pin (Fig. 18).

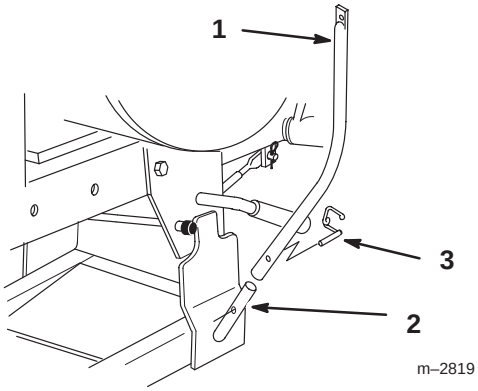


Figure 18

1. Handle support
2. Pin
3. Locking clevis pin

26. Slide crank handle through hole in support and secure handle to U–Joint with hairpin cotter (Fig. 19).

Note: Adjust rotor assembly if necessary so handle clears tractor hood, teeth mesh fully and chute turns freely.

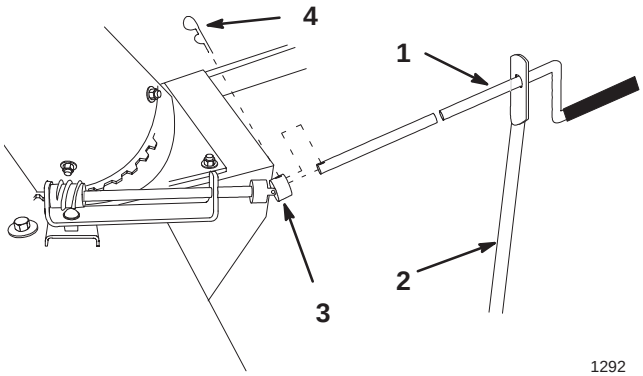


Figure 19

1. Crank handle
2. Support
3. U-joint
4. Hairpin cotter

Removing the Snowthrower

Note: Save all hardware, washers and hairpin cotters for reuse when installing snowthrower.

1. Park the machine on a level surface, disengage the power take off (PTO), set the parking brake, and turn the ignition key to “OFF” to stop the engine. Remove the key.

2. Remove hairpin cotter at U-joint and slide crank handle out of support (Fig. 20).

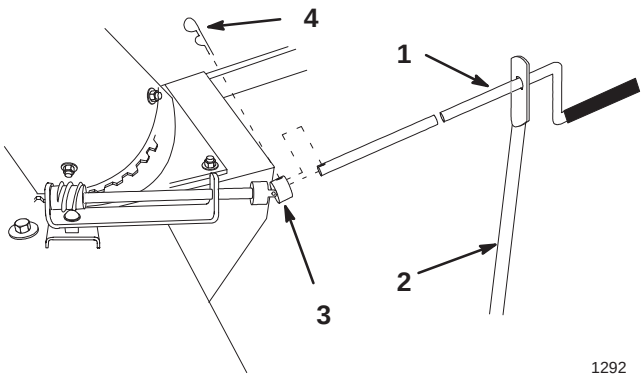


Figure 20

1. Crank handle
2. Support
3. U-joint
4. Hairpin cotter

3. Unlatch and remove locking clevis pin and handle support from frame (Fig. 21).

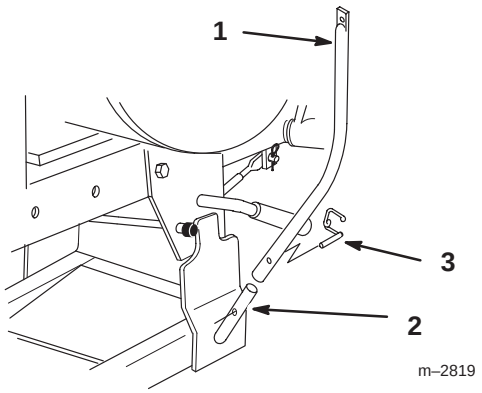


Figure 21

1. Handle support
2. Pin
3. Locking clevis pin

4. Remove hairpin cotters, washers and belt cover from belt guard bracket (Fig. 22),

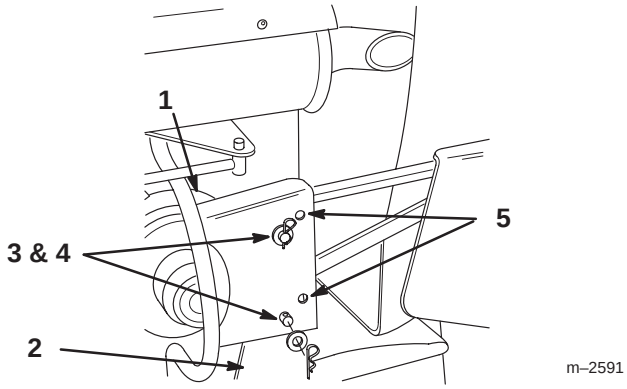


Figure 22

1. Belt cover
2. Belt guard bracket
3. Washer and hairpin cotter
4. Single cylinder holes
5. Twin cylinder holes

5. Rotate idler bracket to relax belt tension and slip belt off snowthrower pulley (Fig. 23),

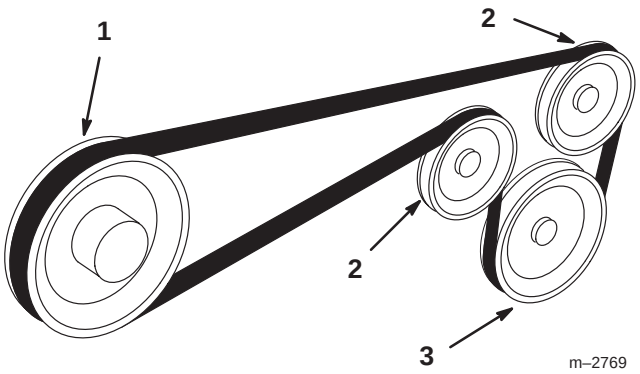


Figure 23

1. Outer groove of (PTO) power take off
2. Idler pulley
3. Belt guide
4. Snowthrower pulley

6. Remove hairpin cotters from trunnion and bottom of yoke (Fig. 24).

7. Unlatch and remove locking clevis pin that secures yoke assembly to clutch shaft. Pivot yoke out and forward to remove from clutch shaft and engagement plate (Fig. 24).

8. Remove snowthrower belt from pulley (Fig. 24).

9. Assemble yoke and engagement plate and attach locking clevis pin, trunnion and hairpin cotters to secure (Fig. 24).

10. Install the belt cover; refer to tractor Operator's Manual.

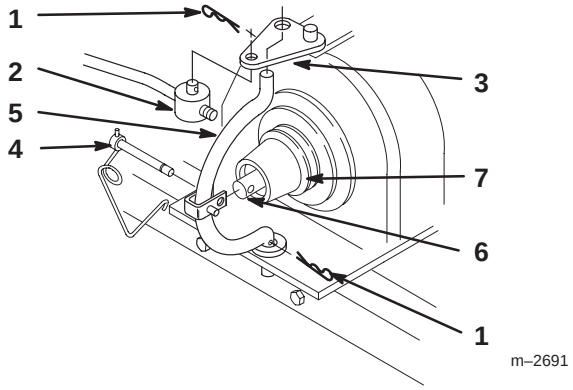


Figure 24

1. Hairpin cotter
2. Trunnion
3. Engagement plate
4. Locking clevis pin
5. Yoke
6. Clutch shaft
7. Pulley

11. Raise attachment lift to the transport position and place a block under snowthrower housing. Turn the Dial-A-Height knob counterclockwise, all the way, and lower the attachment to the mounting position; refer to Operation, Lowering Attachments.

12. Raise arm of lift link into the relaxed position (Fig. 25).

13. Remove lift spring from between frame and lift link (Fig. 25).

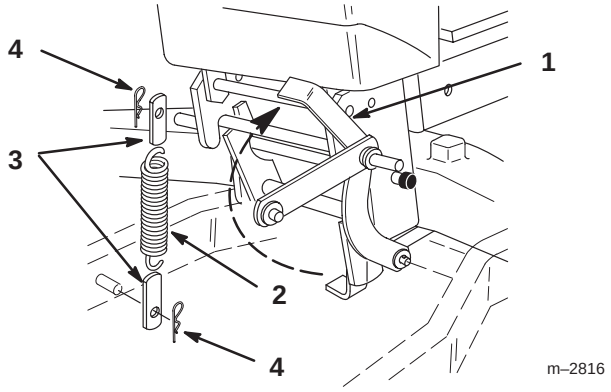


Figure 25

1. Lift link arm
2. Lift spring
3. Retainer
4. Hairpin cotter

14. Remove hairpin cotter, washer and adjustment link from lift link arm (Fig. 26).

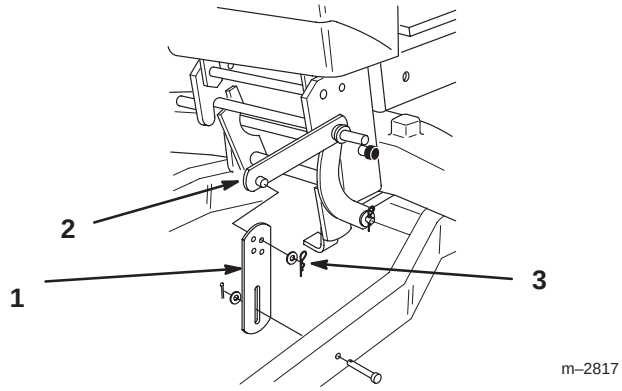


Figure 26

1. Adjustable link
2. Lift link arm
3. Washer and hairpin cotter

15. Remove hairpin cotter, washer and lift rod from lower arm of lift link (Fig. 27).

16. Open front hitch on tractor and remove lift link (Fig. 27).

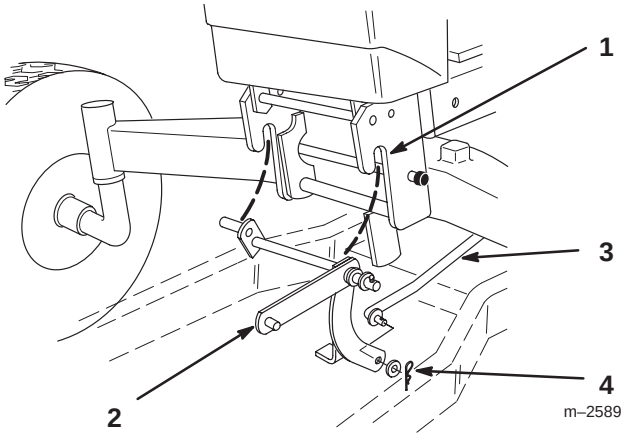


Figure 27

1. Front hitch
2. Lift link
3. Lift rod
4. Washer and hairpin cotter

17. Turn Dial-A-Height knob counterclockwise and lower attachment lift all the way down.

18. Unhook lift assist spring between snowthrower frame rod and tab on lift rod (Fig. 28).

19. Remove hairpin cotter, washer and lift rod from tractor lift arm (Fig. 28).

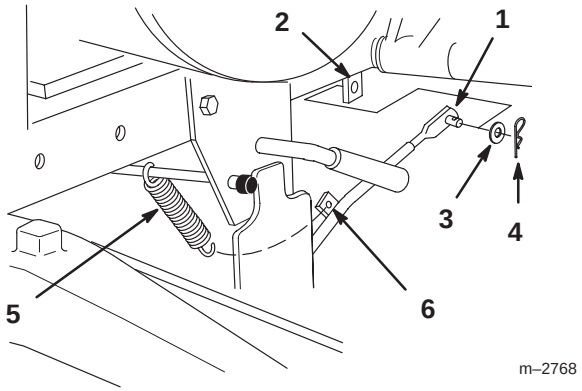


Figure 28

1. Lift rod
2. Tractor lift arm
3. Washer
4. Hairpin cotter
5. Lift assist spring
6. Tab

Operation

⚠ DANGER

POTENTIAL HAZARD
- **When snowthrower is attached to the tractor, without additional weight, the tractor may become unstable.**

WHAT CAN HAPPEN
- **Loss of traction and stability may cause loss of tractor control.**

HOW TO AVOID THE HAZARD
- **NEVER operate tractor, equipped with snowthrower, unless 100lb rear wheel weights are installed.**

⚠ DANGER

POTENTIAL HAZARD
- **Rotating auger can cut off fingers, hands or other body parts and throw objects.**

WHAT CAN HAPPEN
- **Contact with rotating auger and thrown debris can cause severe injury or death.**

HOW TO AVOID THE HAZARD
- **Stay away from the discharge and auger openings while operating the snowthrower.**
- **Keep your hands, feet, and any other part of your body or clothing away from concealed, moving or rotating parts.**
- **Use a stick, not your hand, to remove obstructions from discharge chute or auger housing.**
- **Before adjusting, cleaning, repairing and inspecting the snowthrower and before unclogging the discharge chute, shut off the engine and wait for all moving parts to stop. Move the power take off (PTO) to "OFF" and rotate the ignition key to "OFF." Remove the key.**

Operating the Power Take Off (PTO)

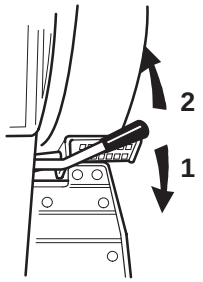
The power take off (PTO) engages and disengages power to the electric clutch.

While the ignition key is in the "RUN" or "LIGHTS" positions and the power take off (PTO) is engaged "ON", the PTO light, in the Indicator Module, will be "ON". When this light is "ON" it is a reminder; the starter will not crank and to turn off the PTO before getting off.

Engaging the Power Take Off (PTO)

1. Depress the brake and/or clutch pedal(s) to stop the machine.

2. Push the power take off (PTO) to "ON" (Fig. 29).



m–2519

Figure 29

1. Off-Disengaged
2. On-Engaged

Disengaging the Power Take Off (PTO)

1. Depress the brake and/or clutch pedal(s) to stop the machine.

2. Pull the power take off (PTO) to "OFF" (Fig.29).

Attachment Lift Lever

The attachment lift lever (Fig. 30) is used to manually raise and lower attachments.

Raising Attachments

1. Depress the clutch and/or brake pedal(s) to stop the machine.

2. Pull attachment lift lever rearward until latch locks. In this position the lift will hold the attachment in the up, or raised position.

Lowering Attachments

1. Depress the clutch and/or brake pedal(s) to stop the machine.

2. Pull attachment lift lever rearward, to release lift pressure, and push the button on top to release the latch. Move lift lever forward to lower attachment.

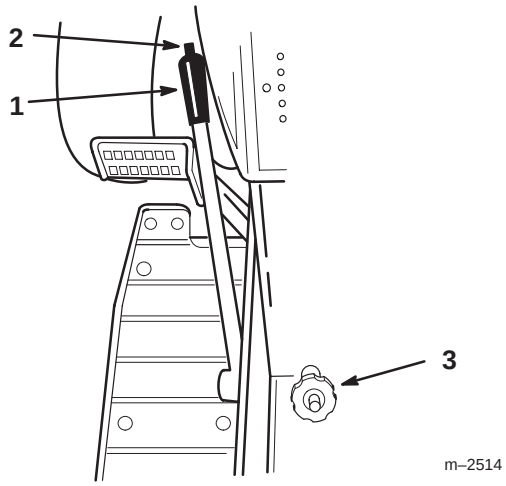


Figure 30

1. Lift lever
2. Button
3. Dial-A-Height

Attachment Power Lift

The attachment power lift (Fig. 31) is used to raise and lower attachments.

Raising Attachments

1. Start the engine, refer to; Starting and Stopping the Engine, in the Tractor Operator's Manual.

2. Pull the lift lever in the "UP" direction to raise the attachment lift (Fig. 31). This will lift and hold the attachment in the up, or raised position.

Lowering Attachments

1. Start the engine, refer to; Starting and Stopping the Engine, in the Tractor Operator's Manual.

2. Push the lift lever in the "DOWN" direction to lower the attachment lift (Fig. 31). This will lower the attachment lift.

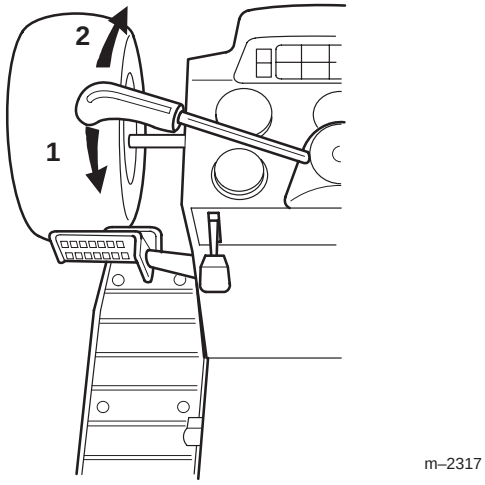


Figure 31

1. Lift lever UP
2. Lift lever DOWN

Adjusting Dial-A-Height

The Dial-A-Height control (Fig. 30) is used to limit the downward travel of the attachment. The Dial-A-Height knob is rotated to change the location of this stop, up or down.

1. Raise the attachment lift: Refer to Raising Attachments. In the raised position the Dial-A-Height knob (Fig. 30) can be rotated to change the stop location. Turn clockwise to raise and counterclockwise to lower the height of the attachment.

2. The Dial-A-Height indicator (Fig. 30) will show the change, high to low, in attachment lift height as adjustment is made.

Adjusting Discharge Chute

⚠ DANGER

POTENTIAL HAZARD

- **Rotating auger can cut off fingers, hands or other body parts and throw objects.**

WHAT CAN HAPPEN

- **Contact with rotating auger and thrown debris can cause severe injury or death.**

HOW TO AVOID THE HAZARD

- **Stay away from the discharge and auger openings while operating the snowthrower.**
- **Keep your hands, feet, and any other part of your body or clothing away from concealed, moving or rotating parts.**
- **Use a stick, not your hand, to remove obstructions from discharge chute or auger housing.**
- **Before adjusting, cleaning, repairing and inspecting the snowthrower and before unclogging the discharge chute, shut off the engine and wait for all moving parts to stop. Move the power take off (PTO) to "OFF" and rotate the ignition key to "OFF." Remove the key.**

The discharge chute can be rotated 180° side to side. The direction is controlled by turning the crank handle (Fig. 32).

The chute deflector, on top of the discharge chute, can be moved up and down to control the height and distance snow is thrown (Fig. 32).

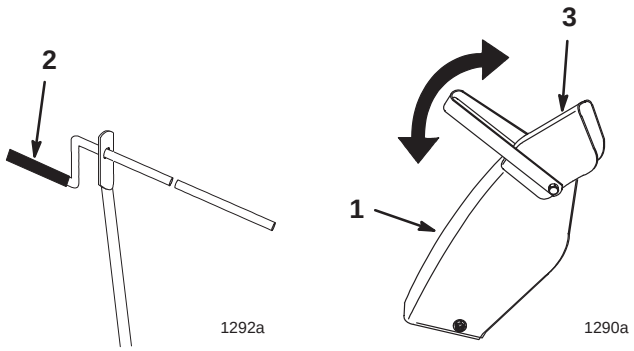


Figure 32

1. Discharge chute
2. Crank handle
3. Chute deflector

Tips for Throwing Snow

Remove snow as soon as possible after it falls. This produces best snow removal results.

Adjust skids to match the type of surface being cleaned; refer to Adjusting Skids.

The snowthrower is designed to clean snow down to the contact surface, but there are times when the front of the snowthrower may tend to ride up. If this happens, reduce forward speed.

Discharge snow downwind whenever possible, and overlap each pass to ensure complete snow removal. If wheels slip, shift into a lower gear to reduce forward speed.

Run snowthrower for a few minutes after clearing snow so moving parts do not freeze. Engage power take off (PTO) to clear any remaining snow from inside housing.

Do not overload snowthrower by clearing snow at too fast a rate. If engine slows down, reduce forward speed.

Always use full throttle (maximum engine speed) when throwing snow.

In wet or slushy conditions, clogging of the discharge chute will be reduced by maintaining maximum engine speed and by not overloading the engine.

In some snow and cold weather conditions, some controls and moving parts may freeze. Therefore, when any control becomes hard to operate, stop the machine and wait for all moving parts to stop; then check all parts for freeze up. DO NOT USE EXCESSIVE FORCE AND TRY TO OPERATE THE CONTROLS WHEN FROZEN. Free all controls and moving parts before operating.

Maintenance

Service Interval Chart

Service Operation	Each Use	5 Hours	25 Hours	Storage Service	Fall Service	Notes
Grease–drive shaft bearings			X	X	X	
Oil–drive chain			X	X	X	
Oil–check gear box				X	X	
Belt–check for wear/cracks				X	X	
Chipped Surfaces–paint				X		
Scraper–check for wear				X	X	

⚠ CAUTION

POTENTIAL HAZARD

- **If you leave the key in the ignition switch, someone could start the engine.**

WHAT CAN HAPPEN

- **Accidental starting of the engine could seriously injure you or other bystanders.**

HOW TO AVOID THE HAZARD

- **Remove the key from the ignition switch and pull the wire off the spark plug before you do any maintenance. Also push the wire aside so it does not accidentally contact the spark plug.**

Greasing and Lubrication

Service Interval/Specification

Grease and oil the machine after every 25 operating hours or once a year, whichever occurs first.

Grease Type: General-purpose grease.

Oil Type: SAE 10W or 10W30.

How to Grease

1. Disengage the power take off (PTO), set the parking brake, and turn the ignition key to "OFF" to stop the engine. Remove the key.

2. Clean the grease fittings with a rag. Make sure to scrape any paint off the front of the fitting(s).

3. Connect a grease gun to the fitting. Pump grease into the fittings.

4. Lubricate the impeller shaft bearing (Fig. 33).

5. Wipe up any excess grease.

Oil Drive Chain

1. Disengage the power take off (PTO), set the parking brake, and turn the ignition key to "OFF" to stop the engine. Remove the key.

2. Coat the entire chain with oil and allow to penetrate each roller (Fig. 33).

3. Place a few drops of oil on discharge chute rotator shaft and discharge chute mounting (Fig. 33).

4. Wipe off excess oil.

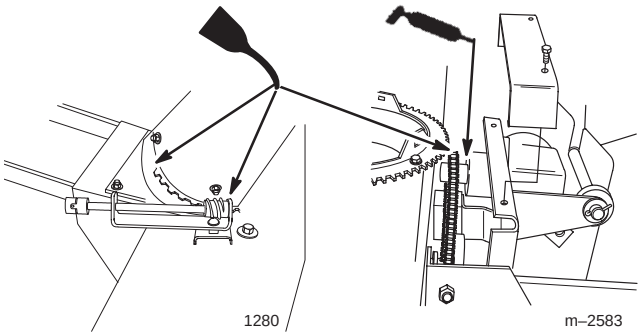


Figure 33

Check Gear Box Lubricant

1. Disengage the power take off (PTO), set the parking brake, and turn the ignition key to "OFF" to stop the engine. Remove the key.

2. Clean area around plug with a rag and remove plug (Fig. 34).

3. Add SAE 90 gear oil until level with bottom of hole in housing (Fig. 34).

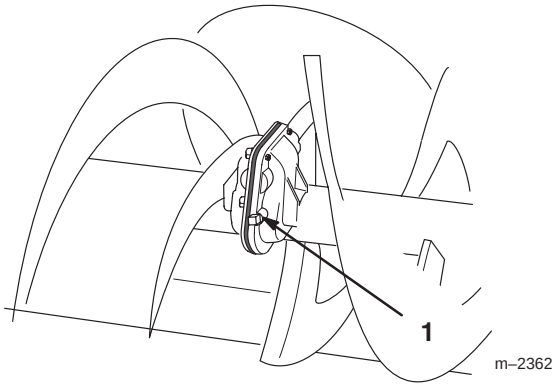


Figure 34

1. Plug

Adjusting Skids

The distance between the scraper blade and the ground is controlled by skids on each side of the housing. The height can be adjusted so the scraper blade will not catch on uneven surfaces

1. Disengage the power take off (PTO), set the parking brake, and turn the ignition key to "OFF" to stop the engine. Remove the key.
2. Move snowthrower to a level surface.
3. Loosen nuts securing skids to the housing until the skids slide up and down easily (Fig. 35).
4. Raise or lower skids equally on both sides, to obtain level scraping action, and tighten nuts (Fig. 35).

   Note: On smooth, paved surfaces, scraper blade can be close to the surface On uneven, gravel or crushed rock surfaces, adjust skids to raise scraper, to prevent catching or picking up rocks.

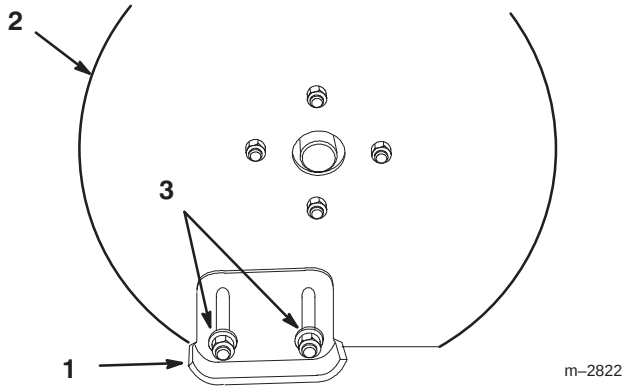


Figure 35

1. Skid
2. Housing
3. Nut

IMPORTANT: The scraper should be higher above the pavement if the pavement surfaces on which the snowthrower will be used are cracked, rough or uneven.

Replacing Scraper Blade

The scraper blade contacts the ground preventing damage to the snowthrower housing. Periodically inspect the scraper blade for wear. When scraper becomes worn, before working surface contacts the housing, replace the scraper blade.

1. Disengage the power take off (PTO), set the parking brake, and turn the ignition key to "OFF" to stop the engine. Remove the key.
2. Raise the attachment lift lever: Refer to Raising Attachments, and support the housing off the ground.
3. Remove nuts,washers, carriage bolts and scraper blade (Fig. 36).
4. Replace scraper blade and install with previously removed hardware (Fig. 36).

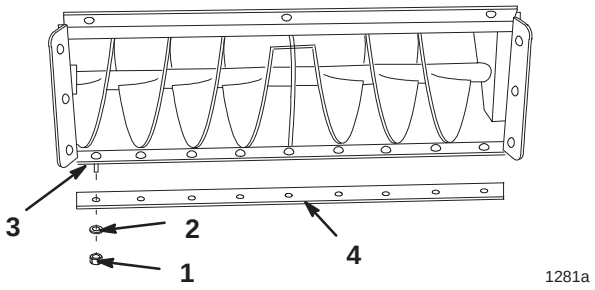


Figure 36

1. Nut
2. Washer
3. Carriage bolt
4. Scraper blade

Adjusting Drive Chain Tension

Check the drive chain tension after every 25 operating hours or once a year, whichever occurs first. Adjustment as necessary to maintain proper tension.

1. Disengage the power take off (PTO), set the parking brake, and turn the ignition key to "OFF" to stop the engine. Remove the key.

2. Remove chain cover (Fig. 37).

3. Adjust chain tension block so chain deflects 3/8"to 5/8" between sprockets (Fig. 37).

IMPORTANT: Do not overtighten chain or excessive wear will occur.

4. Install chain cover with (2) 1/4 x 1/2" bolts (Fig. 37).

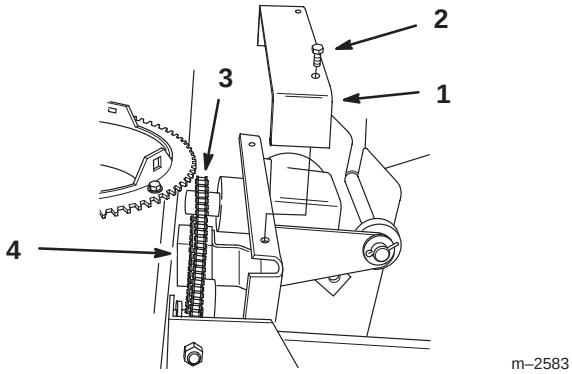


Figure 37

1. Chain cover
2. Bolt 1/4 x 1/2"
3. Chain
4. Tension block

Replace Drive Belt

1. Remove belt covers from tractor and snowthrower (Fig. 38),

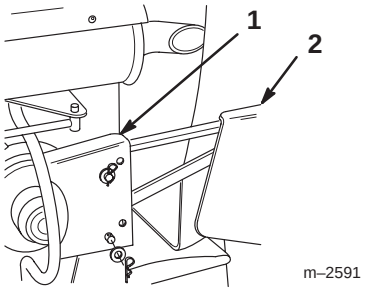


Figure 38

1. Belt cover–tractor
2. Belt cover–snowthrower

2. Remove hairpin cotters from trunnion and bottom of yoke (Fig. 39).

3. Unlatch and remove locking clevis pin that secures yoke assembly to clutch shaft. Pivot yoke out and forward to remove from clutch shaft and engagement plate (Fig. 39).

4. Remove snowthrower belt from pulley (Fig. 39).

5. Assemble yoke and engagement plate and attach locking clevis pin, trunnion and hairpin cotters to secure (Fig. 39).

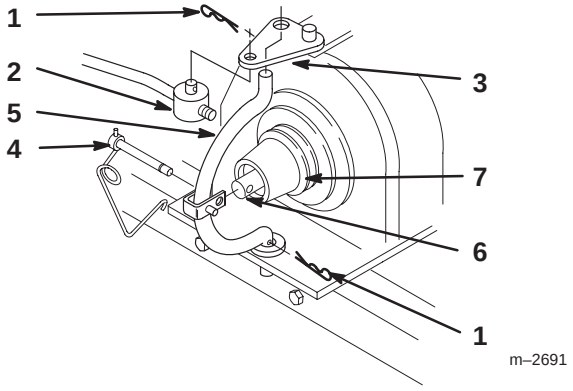


Figure 39

1. Hairpin cotter
2. Trunnion
3. Engagement plate
4. Locking clevis pin
5. Yoke
6. Clutch shaft
7. Pulley

6. Remove rear idler and replace belt (Fig. 40). Install rear idler.

7. Install belt covers on tractor and snowthrower (Fig. 38),

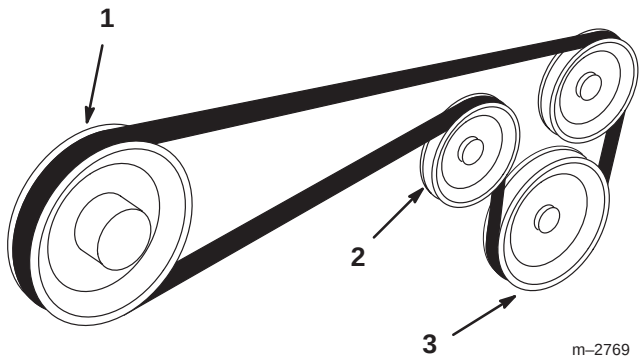


Figure 40

1. Outer groove of (PTO) power take off
2. Rear idler pulley
3. Snowthrower pulley

Storage

1. Before long term storage wash the machine with mild detergent and water to remove dirt and grime from the entire machine.

2. Check the condition of the scraper blade; refer to Reversing Scraper Blade, page 21.

3. Check the condition of the drive belt and chain.

4. Grease and oil the snowthrower; refer to Greasing and Lubrication, page 20.

5. Check and tighten all bolts, nuts, and screws. Repair or replace any part that is damaged or defective.

6. Paint all scratched or bare metal surfaces. Paint is available from your Authorized Service Dealer.

7. Coat inside auger housing and discharge chute with automotive wax to prevent rust and reduce the sticking of snow to these surfaces.

8. Store the machine in a clean, dry garage or storage area. Cover the machine to protect it and keep it clean.

Troubleshooting

PROBLEM	POSSIBLE CAUSES	CORRECTIVE ACTION
Snow does not discharge	1. Discharge chute plugged.	1. Clean chute with a stick.
	2. Auger does not rotate.	2. See auger does not rotate.
	3. Auger speed to low.	3. Move throttle to “FAST”.
	4. Forward speed to slow.	4. Increase ground speed.
Auger does not rotate.	1. Snow frozen to auger or housing.	1. Scrape snow off with a stick.
	2. Drive belt tension low.	2. Adjust belt tension.
	3. Drive belt is worn, loose or broken.	3. Install new drive belt.
	4. Drive belt is off pulley.	4. Install blade drive belt and check idler pulley and belt guides for correct position.
	5. Drive chain broken.	5. Replace or repair chain.
Abnormal vibration.	1. Snow frozen to auger.	1. Scrape snow off with stick.
	2. Drive belt off pulley.	2. Install drive belt and check idler pulley for correct position.
	3. Engine mounting bolts are loose.	3. Tighten engine mounting bolts.
	4. Loose engine pulley, idler or snowthrower pulley.	4. Tighten the appropriate pulley.
	5. Engine pulley is damaged.	5. Contact Authorized Service Dealer.