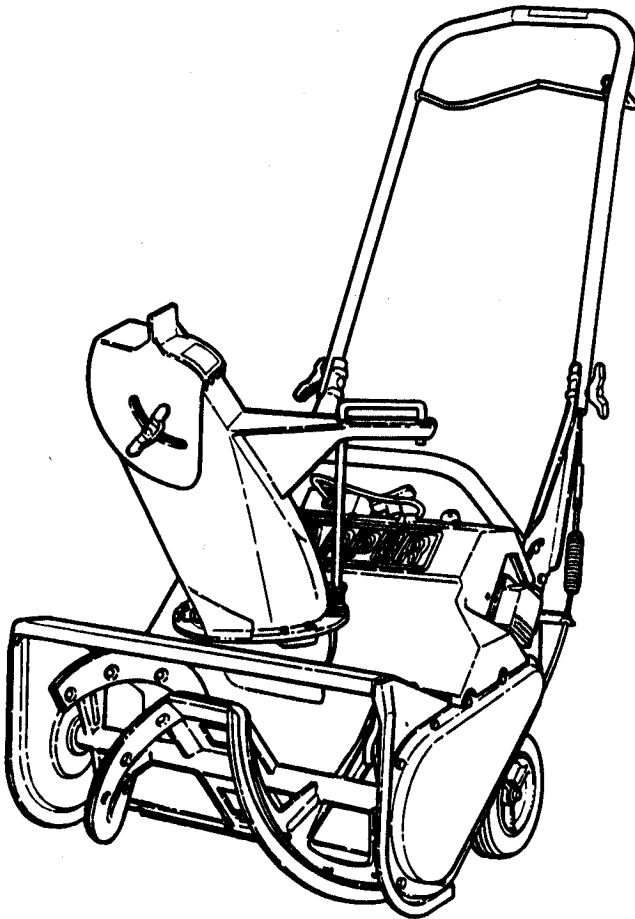


Safety Instructions & Operator's Manual for

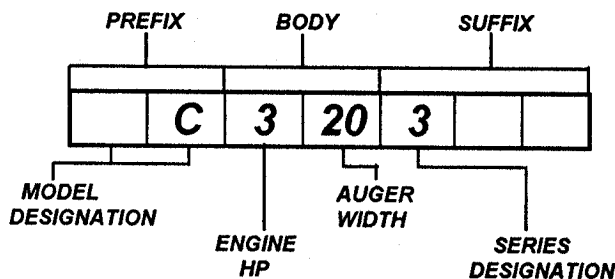
SNAPPER®

SINGLE STAGE SNOW THROWER SERIES 3



MODEL
C3203

MODEL NUMBER EXPLANATION



PREFIX EXPLANATION	
C - Commercial Model	
BODY EXPLANATION	
3 - 3.0 HP Engine	20 - 20" Auger Width
SUFFIX EXPLANATION	
3 - Series Designation	

SNAPPER® McDonough, GA., 30253 U.S.A.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: This powerful machine is capable of amputating hands and feet and can throw objects that can cause injury and damage! Failure to comply with the following instructions may result in serious injury to the operator or other persons. The owner of the snow thrower must understand these instructions and, furthermore, must allow only persons who understand these instructions to operate snow thrower. Each person operating the snow thrower must be of sound mind and body and must not be under the influence of any substance which might impair vision, dexterity, or judgment. If you have any questions pertaining to your snow thrower which your dealer cannot answer to your satisfaction, call or write the Customer Service Department at SNAPPER, McDonough, Georgia 30253. Phone: (770) 954-2500.

PROTECTION FOR CHILDREN

1. DO NOT allow children in the area when snow thrower is being operated.
2. DO NOT allow pre-teenage children to operate snow thrower.
3. DO NOT allow irresponsible teenagers to operate the machine - allow teenagers only if exhibiting mature judgment and then only after being thoroughly instructed and under the close supervision of an experienced operator.
4. Keep the area clear of all persons, particularly small children and pets
5. Know how to STOP the snow thrower and disengage the controls quickly.

PREPARATION

1. Read this manual, get to know where all controls are located and practice how to use them before starting for the first time, and at the beginning of each season. Pay attention to Warning and Instructional Decals on engine and snow thrower.
2. Wear adequate winter clothing including boots which will give you maximum footing on slippery surfaces. Exercise CAUTION to avoid slipping or falling.
3. Before the first snow fall, check the area to be cleared and remove all objects such as doormats, sticks, toys, wires, rocks, etc., which could be hurled or jam the snow thrower.
4. Survey the area to be cleared beforehand and plan where snow is to be blown. Be prepared to release auger/impeller clutch or to change discharge chute direction quickly to discharge away from windows, cars, buildings and doorways to avoid property damage or personal injury from hurled objects.
5. Handle fuel with care. Store only in an approved fuel container. Move the machine outdoors where fumes can be safely dissipated before filling fuel tank. Never add fuel to a running engine or hot engine. Replace fuel cap securely and wipe up spilled fuel.

OPERATIONAL PRECAUTIONS

1. Before starting, make visual check to make sure auger/impeller housing is clear and all guards and shields are in place and tight.
2. Warn everyone in advance to stay clear of area but keep especially watchful for children and pets darting into area while operating.

OPERATIONAL PRECAUTIONS

3. Start engine only where exhaust fumes will be safely dissipated, allow a brief warm-up period, practice operation of controls outside before putting the machine to work.
4. Should the auger/impeller become clogged, release the auger/impeller clutch control and, as an additional precaution, STOP the engine before attempting to unclog the auger/impeller or discharge chute.
5. After striking a foreign object, STOP the engine (motor), remove the wire from spark plug, thoroughly inspect the snow thrower for any damage, and repair the damage before restarting and operating the snow thrower.
6. STOP the engine if the machine starts to vibrate excessively as this normally indicates mechanical problems. Disconnect the spark plug wire to prevent unintentional starting before servicing or repairing the machine.
7. DO NOT clear snow across the face of slopes. Exercise extreme CAUTION when changing direction on slopes. DO NOT attempt to clear steep slopes.
8. STOP the engine and remove the key whenever you leave the unit unattended to eliminate the possibility of children or untrained adults from attempting to operate the machine.
9. Release clutch control and make sure auger/impeller has STOPPED before rotating discharge chute, adjusting deflector, or placing hands near auger/impeller.
10. DO NOT use snow thrower on surfaces above ground level, such as, a roof of a building.
11. Exercise extreme CAUTION when operating on or crossing gravel drives, walks, or roads. Stay alert for hidden hazards or traffic.
12. DO NOT overload the machine capacity by attempting to clear snow at too fast a rate.
13. Never operate the machine at high transport speeds on slippery surfaces. Look behind and use care when backing.
14. Disengage power to the auger/impeller when snow thrower is transported or not in use.
15. Use only attachments and accessories approved by the manufacturer of the snow thrower (such as wheels weights, counterweights, cabs and the like).
16. Never operate the snow thrower without good visibility or light. Always be sure of your footing, and keep a firm hold on the handles. Walk; never run.

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Section 2 - OPERATING INSTRUCTIONS

2.1 PRE-START CHECK LIST

Make the following checks and perform the service required before each start-up.

2.1.1. Check guards, chutes, deflectors and covers to make sure all are in place and securely tightened.

2.1.2. Check auger control to insure it work freely. See Figure 2.1.

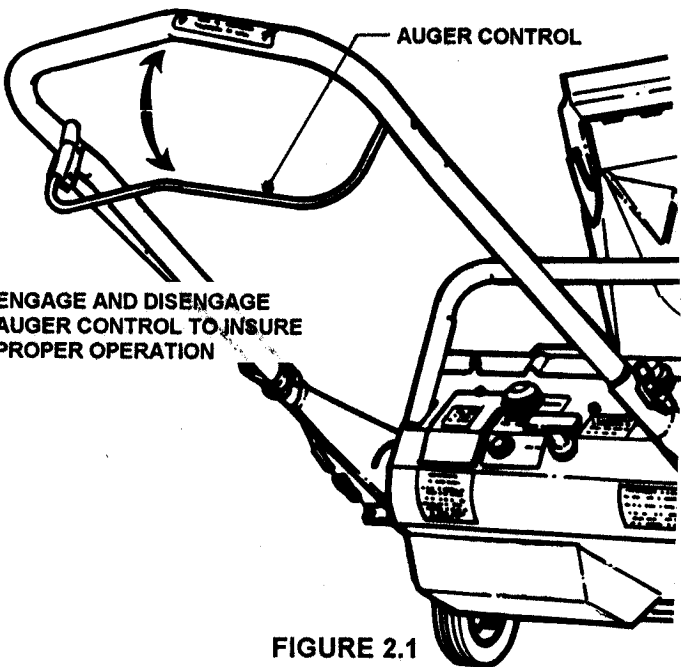


FIGURE 2.1

2.1.3. Check chute operation. Rotate chute to insure smooth rotation throughout its range.

STANDARD FLUID MEASUREMENT (32:1 Ratio)

GASOLINE (Gallons)	2 CYCLE OIL (Ounces)
0.25	1.00
0.50	2.00
0.75	3.00
1.00	4.00
1.25	5.00
1.50	6.00
2.00	8.00

METRIC FLUID MEASUREMENT (32:1 Ratio)

GASOLINE (Liters)	2 CYCLE OIL (Cubic Centimeters)
0.50	15.63
1.00	31.26
1.50	46.88
2.00	62.50
2.50	78.15
3.00	93.75
4.00	125.00

FIGURE 2.2

(Continued on Next Page)

CAUTION

Use approved fuel container. **DO NOT** smoke near open fuel container. **DO NOT** fill fuel tank indoors or when engine is running. Allow engine to cool for at least ten minutes before refilling. Wipe off any spilled fuel before starting engine. **DO NOT** run engine indoors.

2.1.4. Mix fresh, good quality unleaded gasoline and SNAPPER 2-cycle engine oil or equivalent. Mix fuel and oil to a 32:1 ratio. See Figure 2.2.

2.1.5. Add premix fuel to tank after pushing the machine outside where fumes can safely dissipate. Make sure cap is tightened after refueling. Refer to Engine Owners Manual for specifications.



2.1.6. Check auger housing, must be free of all obstructions. Clean engine of any accumulation of spilled fuel, dirt, etc.

Section 2 - OPERATING INSTRUCTIONS

2.1 PRE-START CHECK LIST

(Continued from Previous Page)

Make the following checks and perform the service required before each start-up.

	CAUTION	
<p>Never use an electrical extension cord that is damaged. A damaged electrical extension cord could cause a shock or fire. Thoroughly inspect electrical extension cord before using machine. If cord is damaged, do not use and do not operate machine. Replace damaged cord immediately. Contact your Snapper service dealer for assistance. To reduce the risk of electric shock, use only with an extension cord intended for outdoor use having a cord type: SW-A, SOW-A, STW-A, STOW-A, SJW-A, SJTW-A or SJTOW-A.</p>		

2.1.7. Check and make sure extension cord is in good condition. Extension cord should not have any broken insulation or exposed wires. Use an extension cord that is heavy enough to carry the correct amount of current to the machine. See Figure 2.3 for correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge cord.

MINIMUM GAUGE FOR CORD SETS		
120 Volt		Total Length of Cord in Feet
Rating - Amps		25 ft.
More Than	Not More Than	A.W.G.
0	6	18
6	10	18
10	12	16
12	16	14

FIGURE 2.3

2.1.8. Check the AC electrical outlet that will be used and make sure it is a polarized outlet. The machine has a polarized plug (one blade of plug is wider than the other) that will accept a polarized extension cord. The extension cord will fit into a polarized outlet (receptacle) only one way. If plug does not fit fully into your outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a proper polarized outlet. DO NOT modify or change this polarized plug in any way.

Section 2 - OPERATING INSTRUCTIONS

2.2 STARTING, STOPPING & OPERATION (RECOIL START MODELS)

(Go to Page 7 for Electric Start Models)

2.2.1. ENGINE & AUGER

1. Move choke control to the choke "ON" position. See Figure 2.4.

IMPORTANT: Stop the auger by releasing the auger control. Stop the engine by turning the key switch to the "OFF" position.

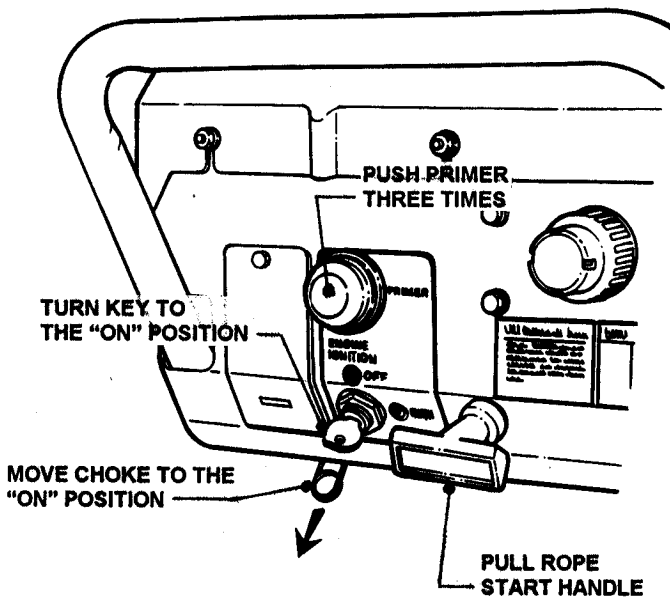


FIGURE 2.4

2. Turn ignition key to the "ON" position.
3. Push primer button three times to start a cold engine. **NOTE:** Do not use primer button to start warm engine. See Figure 2.4.
4. Pull rope start handle to crank engine.
5. After engine starts, move the choke control to the no choke "OFF" position. Allow a brief warm-up until engine runs smooth.



2.2.3. DISCHARGE CHUTE and DEFLECTOR ADJUSTMENT

1. Release auger control and allow auger to come to a complete stop before performing any adjustments.
2. Loosen deflector knob and position deflector to desired angle. Retighten knob.
3. Depress discharge chute release handle and rotate discharge chute to the desired direction. Disengage release handle and discharge chute will lock into position. See Figure 2.6.

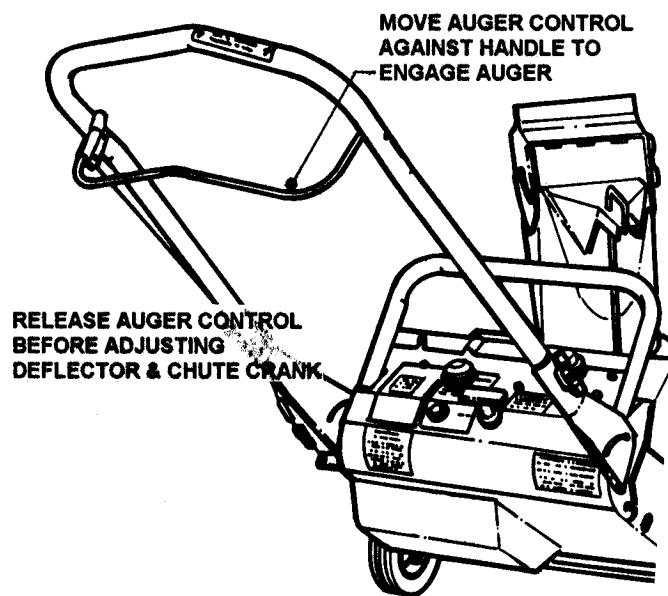
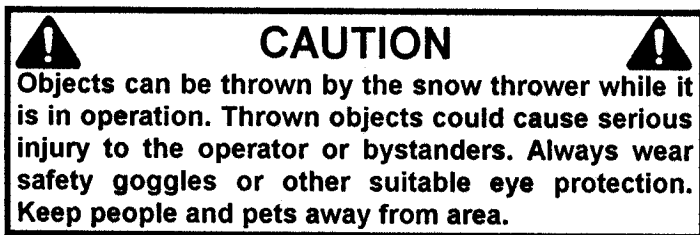


FIGURE 2.5



2.2.2. ENGAGING AUGER

1. Pull auger control against handle to engage auger See Figure 2.5.

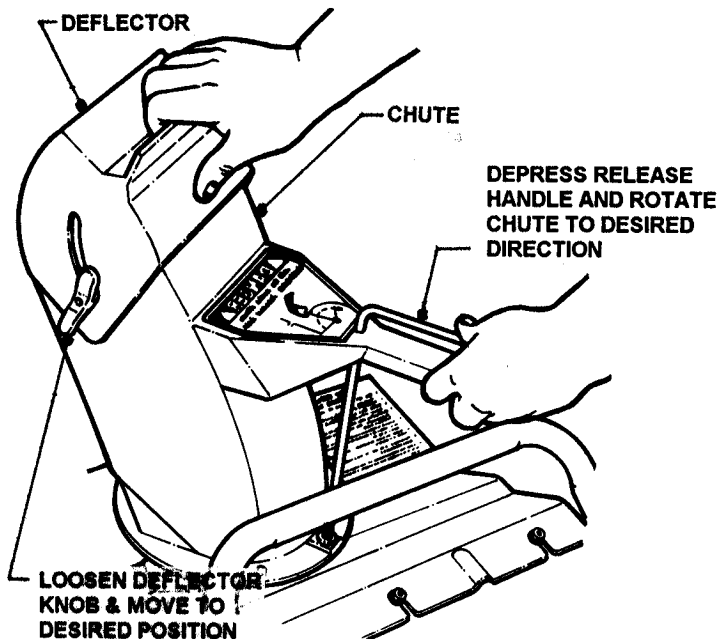


FIGURE 2.6

Section 2 - OPERATING INSTRUCTIONS

2.2.4. STOPPING

Stop the auger by releasing the auger control. Stop the engine by turning the key switch to the "OFF" position. Always remove key from key switch before leaving machine unattended. See Figure 2.7.

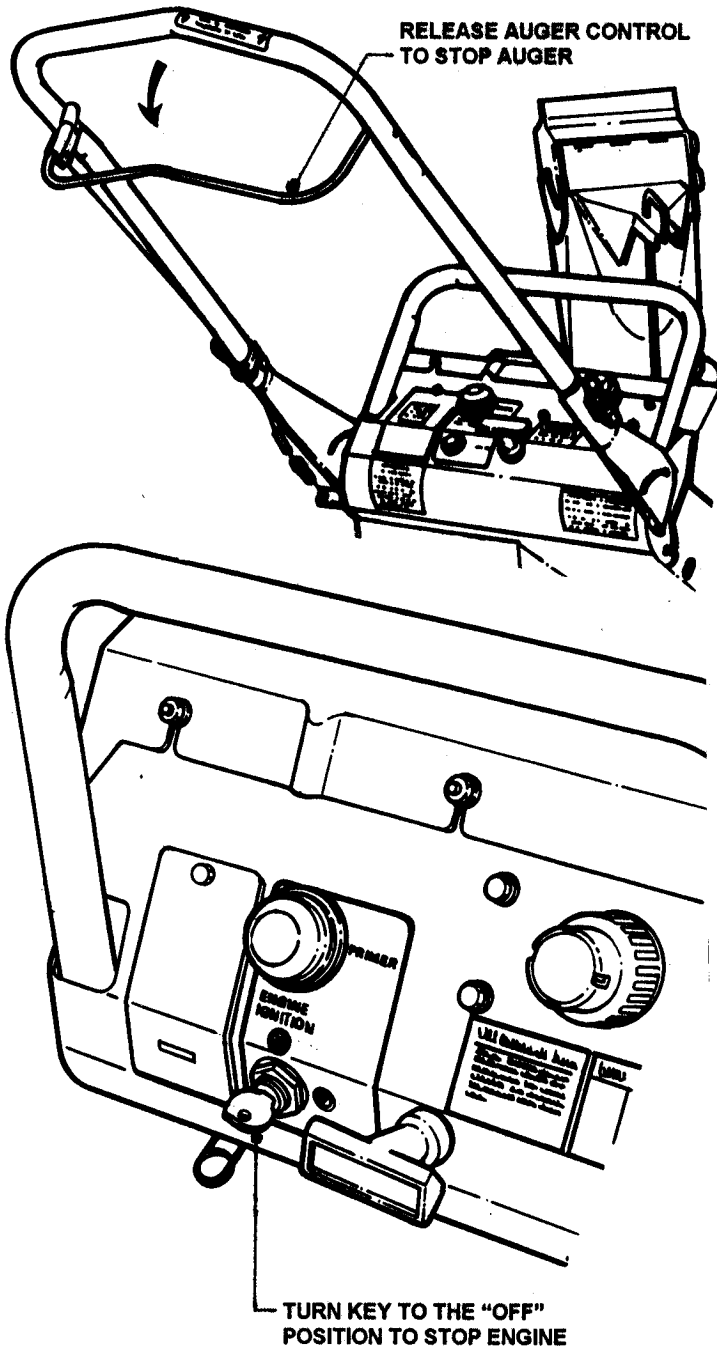


FIGURE 2.7

2.2 STARTING, STOPPING & OPERATION (ELECTRIC START MODELS)

(Go to Page 6 for Recoil Start Models)

2.2.5. ENGINE & AUGER

CAUTION

Never use an electrical extension cord that is damaged. A damaged electrical extension cord could cause a shock or fire. Thoroughly inspect electrical extension cord before using machine. If cord is damaged, do not use and do not operate machine. Replace damaged cord immediately. Contact your Snapper service dealer for assistance. To reduce the risk of electric shock, use only with an extension cord intended for outdoor use having a cord type: SW-A, SOW-A, STW-A, STOW-A, SJW-A, SJTW-A or SJTOW-A.

1. Connect the power cord to the starter switch box on machine's control panel then plug the other end into 120 volt AC receptacle.
2. Move choke control to the choke "ON" position. See Figure 2.8.

IMPORTANT: Stop the auger by releasing the auger control. Stop the engine by turning the key switch to the "OFF" position.

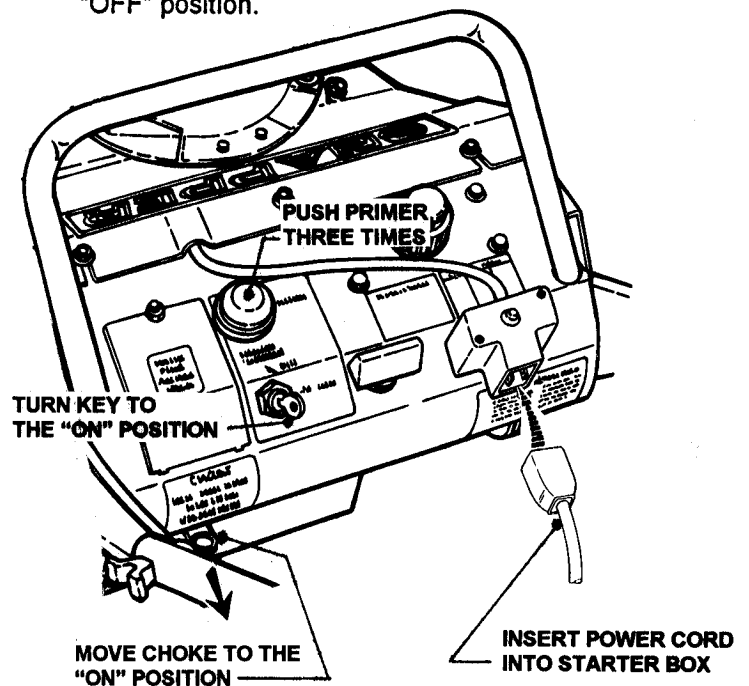


FIGURE 2.8

2. Turn ignition key to the "ON" position.
3. Push primer button three times to start a cold engine. **NOTE:** Do not use primer button to start warm engine.

(Continued on Next Page)

Section 2 - OPERATING INSTRUCTIONS

2.2 STARTING, STOPPING & OPERATION (ELECTRIC START MODELS) (Continued from Previous Page)

2.2.5. ENGINE & AUGER

4. Push the electric starter button. DO NOT hold button for more than 20 seconds to avoid damaging the starting motor. See Figure 2.9
5. After engine starts, move the choke control to the no choke "OFF" position. Allow a brief warm-up until engine runs smooth.
6. Disconnect power cord from machine. Disconnect power cord from AC receptacle and remove cord from area where machine will be in operation.

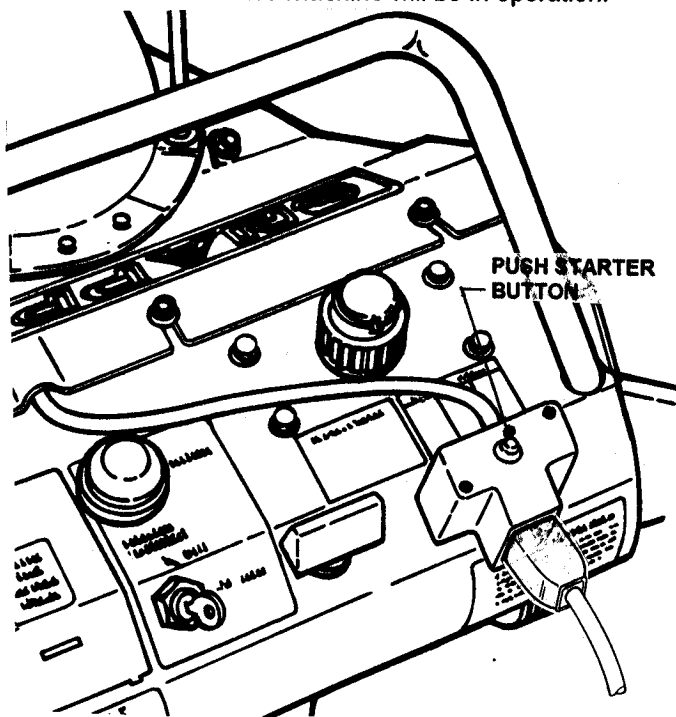


FIGURE 2.9

2.2.7. DISCHARGE CHUTE and DEFLECTOR ADJUSTMENT

1. Release auger control and allow auger to come to a complete stop before performing any adjustments.
2. Loosen deflector knob and position deflector to desired angle. Retighten knob.
3. Depress discharge chute release handle and rotate discharge chute to the desired direction. Disengage release handle and discharge chute will lock into position. Refer to Figure 2.6.

2.2.8. STOPPING

Stop the auger by releasing the auger control. Stop the engine by turning the key switch to the "OFF" position. Always remove key from key switch before leaving machine unattended. Refer to Figure 2.7.

CAUTION

Objects can be thrown by the snow thrower while it is in operation. Thrown objects could cause serious injury to the operator or bystanders. Always wear safety goggles or other suitable eye protection. Keep people and pets away from area. Release auger clutch control and make sure auger has STOPPED before rotating discharge chute, adjusting deflector, or placing hands near auger.

2.2.6. ENGAGING AUGER

1. Pull auger control against handle to engage auger. Refer Figure 2.5.

Section 3 - MAINTENANCE

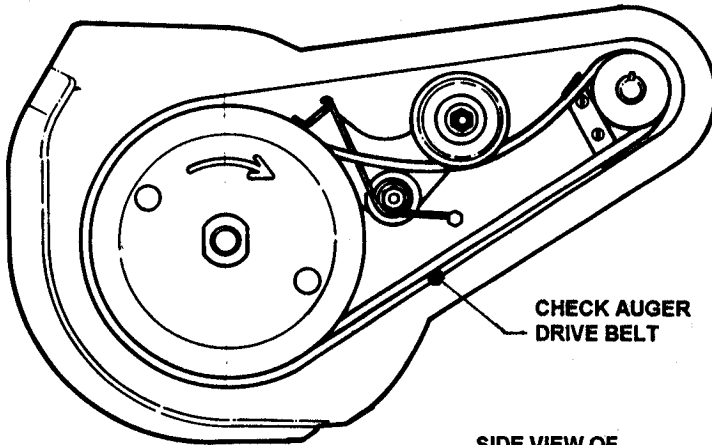
3.1 INTRODUCTION

To retain the quality of the snow thrower, use genuine SNAPPER replacement parts only. Contact a local SNAPPER dealer for parts and service assistance. For the correct part or information for a particular snow thrower, always mention model and serial number.

3.2 SERVICE - AFTER FIRST 5 HOURS

3.2.1 CHECK AUGER DRIVE BELT

1. Visually check engine drive belt for cracking, fraying, severed or belt strands exposed. Replace belt before operating snow thrower. See Figure 3.1



SIDE VIEW OF AUGER HOUSING SHOWN WITH BELT COVER REMOVED

FIGURE 3.1

3.2.2 CHECK AUGER FLITE SHOE

1. Visually check flite shoes for cracking, fraying, severed or belt strands exposed. Replace flite shoes before operating snow thrower.

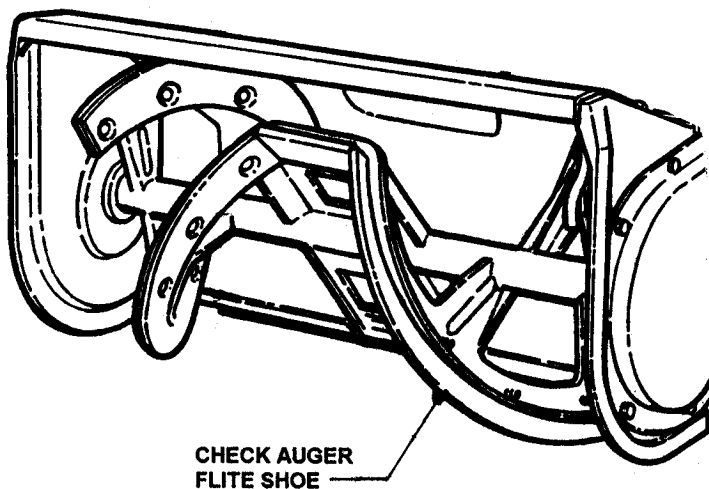


FIGURE 3.2

3.2.2 CHECK AUGER CLUTCH CONTROL CABLE

1. Visually check cable for fraying, kinking or severed cable strands. Replace cable and adjust tension before operating snow thrower.

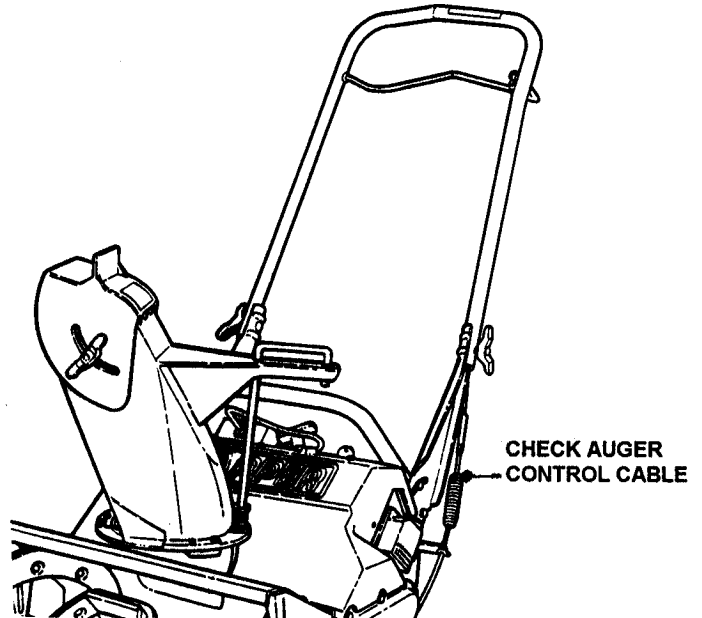


FIGURE 3.3

3.3 ANNUALLY (END OF EACH SEASON)

Perform all maintenance as described in the maintenance schedule.

3.3.1. Engine

Refer to engine owner's manual for service instructions.

3.3.2. Spark Plug

Refer to engine owner's manual for service instructions.

3.4 STORAGE PROCEDURE

Refer to the Engine Owner's Manual for directions regarding engine storage preparations. Prepare the snow thrower for "end of season" storage as follows:

1. Drain fuel from fuel tank and let engine run until all fuel is out of the carburetor.
2. Disconnect and remove the spark plug wire away from spark plug before any other preparations are made!
3. Tape all openings closed to prevent spraying water into exhaust or air intakes during washing.
4. Tilt snow thrower up on its wheels and thoroughly clean the underside of the auger.
5. Lubricate all exposed metal with a light coating of oil to prevent corrosion. DO NOT place any type of lubrication onto belt or pulleys.
6. Store the machine in a shed or other dry area, protected from weather.

Section 4 - REPAIR & ADJUSTMENTS

CAUTION

Before attempting any adjustments, maintenance, service, or repairs, stop engine and auger, always remove key from ignition switch, remove spark plug wire and secure wire away from spark plug.

4.1 AUGER BELT ADJUSTMENT/REPLACEMENT
When operating machine release the auger clutch control, auger should come to a complete stop in 5 seconds. If auger does not come to a complete stop in the required time, check and adjust belt tension. Inspect belt frequently for signs of excessive wear. Observe drive belt for slippage due to wear when operating machine.

4.1.1. AUGER BELT ADJUSTMENT (UPPER CABLE ADJUSTMENT)

- If slippage does occur adjust as follows.
1. Measure auger clutch control cable extension from a relaxed position to full extended position. See Figure 4.1.
 2. Proper extension should be between 3/8" minimum to 1/2" maximum extension. NOTE: Measure from the top of spring (The top is in relation to where spring hooks into auger clutch control).

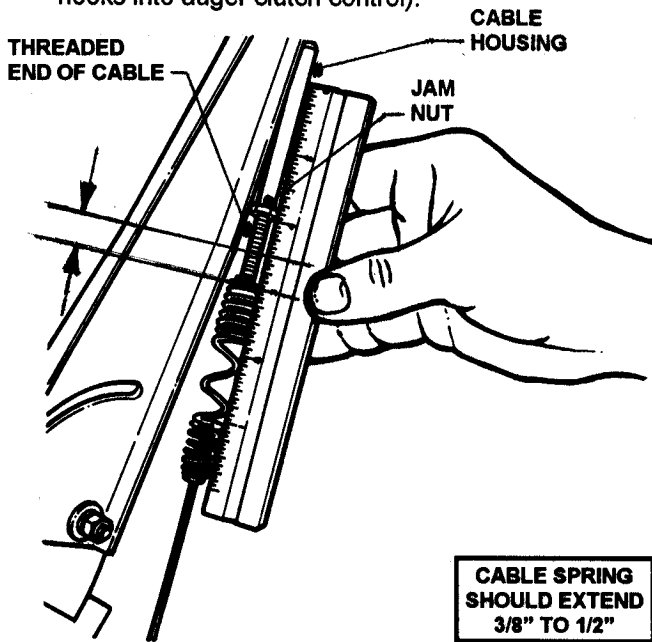


FIGURE 4.1

3. Loosen jam nut at the upper end of cable. Hold threaded end of cable and then turn cable clockwise until correct extension is achieved. Retighten jam nut.

IMPORTANT: DO NOT rotate cable beyond the point to where all of slack out of cable. Cable has to have a certain amount of slack for the auger brake to stop auger when auger clutch control is released. If all of the adjustment is utilized go to section 4.1.2. for belt replacement.

- 4.1.2. AUGER BELT REPLACEMENT**
Inspect belt frequently for signs of excessive wear. Visually check engine drive belt for cracking, fraying, severed or belt strands exposed.
1. Remove belt cover. See Figure 4.2.
 2. Push the spring tensioned idler pulley down and remove belt.
 3. Push the spring tensioned idler pulley down and install new belt. See Figure 4.3.
 4. Reinstall belt cover and tighten screws securely.

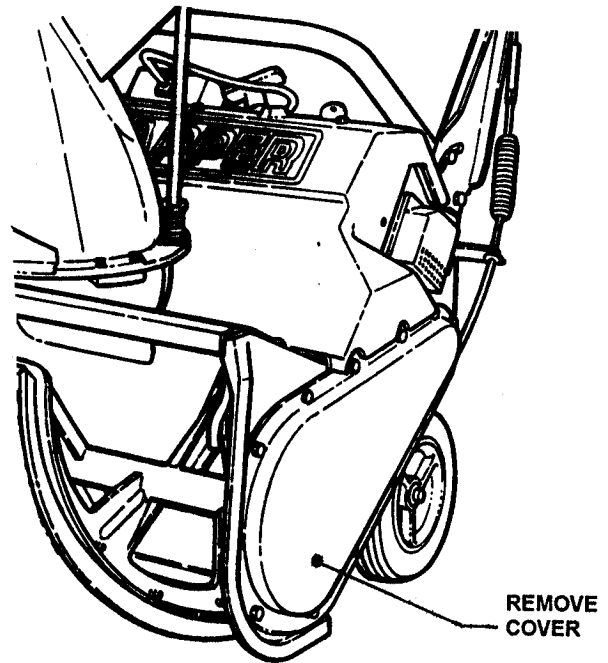


FIGURE 4.2

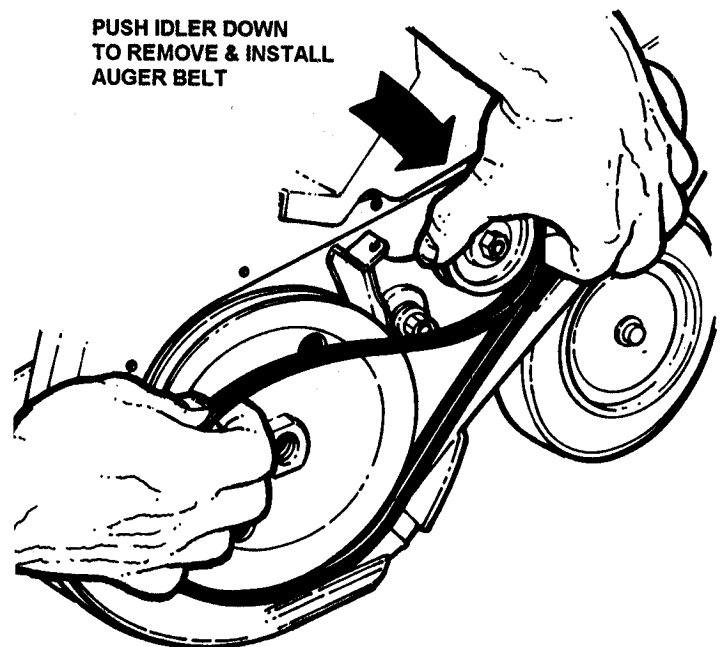


FIGURE 4.3

Section 4 - REPAIR & ADJUSTMENTS

CAUTION

Before attempting any adjustments, maintenance, service, or repairs, stop engine and auger, always remove key from ignition switch, remove spark plug wire and secure wire away from spark plug.

4.1.2. AUGER FLITE SHOE REPLACEMENT

Inspect flite shoes frequently for signs of excessive wear. Visually check flite shoes for cracking, fraying, severed or belt strands exposed. #6-0631 Flite Shoe Kit will be required to replace existing flite shoes.

1. Tilt machine backward to gain access to auger. Secure machine in the tilted position to prevent tipping over.
2. Remove all self-tapping screws that secure the flite shoes to auger. Save screws for future use.
3. Install new flite shoes to auger using self-tapping screws removed previously. Tighten screws securely. DO NOT overtighten. See Figure 4.4.

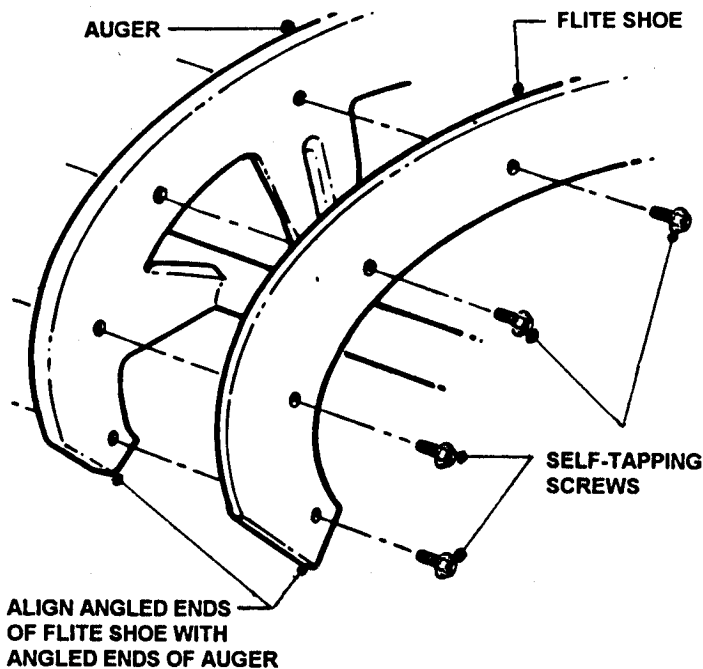


FIGURE 4.4

TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	CORRECTIVE ACTION
Engine Will Not Start Using Recoil Starter	1. Fuel tank empty.	1. Fill fuel tank with fresh fuel/oil mix.
	2. Engine needs choking and priming.	2. Move choke control to "CHOKE" position. Push primer bulb three times
	3. Spark plug wire disconnected.	3. Place spark plug wire onto spark plug.
Engine Will Not Crank Using Electric Starter	1. Power extension cord not plugged into machine or into 110 Volt outlet.	1. Plug power extension cord into machine & into 110 Volt outlet.
	2. Power extension cord damaged.	2. Discard damaged power extension cord
	3. Starter switch damaged or faulty.	3. Replace starter switch.
Engine Stalls or Stops After Running	1. Fuel and 2-Cycle oil mixture ratio incorrect.	1. Mix fuel and 2-Cycle oil to 32:1 ratio.
	2. Choke control in the "CHOKE" position.	2. Move choke control to "OFF" position.
	3. Fuel tank empty.	3. Fill with fuel to proper level.
	4. Air intake clogged with snow or debris.	4. Unclog air intake.
	5. Spark plug defective or gap set improperly.	5. Service spark plug.
	6. Water, debris or stale fuel in fuel system.	6. Drain and clean fuel system.
Engine Loses Power	1. Fuel and 2-Cycle oil mixture ratio incorrect.	1. Mix fuel and 2-Cycle oil to 32:1 ratio.
	2. Spark plug faulty.	2. Service spark plug.
	3. Water, debris or stale fuel in fuel system.	3. Drain and clean fuel system.
Excessive Vibration	1. Damaged, out of balance or bent auger.	1. Service auger.
	2. Loose engine or auger components.	2. Service and tighten loose components.
	3. Loose or missing flite shoes.	3. Replace flite shoes.
	4. Cracked, severed or frayed belt	4. Replace belt.
	5. Bent or loose Idler pulley	5. Tighten or replace pulley.
Poor Snow Discharging	1. Clogged discharge chute.	1. Stop engine and unclog discharge chute.
	2. Damaged or bent auger or components.	2. Service auger or components.
	3. Cracked, severed or frayed belt.	3. Replace belt.
	4. Belt tension out of adjustment.	4. Adjust belt tension.
	5. Auger flight shoes damaged or missing.	5. Replace flight shoes.

SERVICE SCHEDULE

ITEM	SERVICE PERFORMED	REF.	EACH USE	5 HRS	25 HRS	50 HRS	100 HRS	EACH SEASON
Spark Plug	Replace	Engine Manual.					X	
Engine Cooling System	Clean Shroud & Fins	Engine Manual & Page					X	
Drive Belts	Check For Wear And Tension	Page 9-10			X	X		X
Auger & Flight Shoe	Check For Wear, Damage & Replacement	Page 9-10	X					X

4.2. MAINTENANCE/REPLACEMENT PARTS

MAINTENANCE PARTS	
Auger Drive Belt	1-4637
Auger Clutch Control Cable	1-8796
Auger Flite Shoe Kit	6-0631
Parts Manual for C3203 Single Stage Snow Thrower Series 3	06014

SNAPPER®

1 YEAR COMMERCIAL LIMITED WARRANTY

For one (1) year from purchase date for the original purchaser's commercial, rental, or non-residential use, **SNAPPER**, through any **SNAPPER** dealer will replace, free of charge (except for taxes where applicable), any part or parts found upon examination by the factory at McDonough, Georgia, to be defective in material or workmanship or both.

All transportation costs incurred by the purchaser in submitting material to a **SNAPPER** dealer for replacement under this warranty must be paid by the purchaser.

This warranty does not apply to engines and their components, hydro transmissions, gear drive transmissions and batteries, as these items are warranted separately. This warranty does not apply to parts that have been damaged by accident, alteration, abuse, improper lubrication, normal wear, or other cause beyond our control.

There is no other express warranty.

DISCLAIMER OF WARRANTY

Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to one (1) year from purchase date for the original purchaser's commercial, rental or other non-residential use, and to the extent permitted by law, any and all implied warranties are excluded. This is the exclusive remedy. Liabilities for consequential damages, under any and all warranties are excluded.

Some states do not allow limitations on how long an implied warranty lasts, or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

WARNING: THE USE OF REPLACEMENT PARTS OTHER THAN GENUINE SNAPPER PARTS MAY IMPAIR THE SAFETY OF SNAPPER PRODUCTS AND WILL VOID ANY LIABILITY AND WARRANTY BY SNAPPER ASSOCIATED WITH THE USE OF SUCH PARTS.

IMPORTANT: Please fill out the attached **SNAPPER** Product Registration Card immediately and mail to:
Snapper's Product Registration Center, P.O. Box 174213, Denver, CO 80217-4213

Safety Instructions & Operator's Manual for

SNAPPER®

SINGLE STAGE SMALL FRAME SNOW THROWER SERIES 3

MODEL
C3203

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

SNAPPER McDonough, GA., 30253 U.S.A.

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INSTRUCTION No. 2-8318 (REV. 1, 6/97)