



# Owner's Manual

- SET-UP
- OPERATION
- MAINTENANCE


**IMPORTANT**  
Read Safety Rules and  
Instructions Carefully

**SMALL FRAME TWO STAGE  
SNOWTHROWER**

### IMPORTANT !

Record the Model No. and Mfg. Code which appear on your unit in the space provided. You must have these numbers, along with the date of purchase, in order to receive warranty or service.



MEETS ANSI B71.3-1995 SAFETY STANDARD	
Model Number	Serial Number
XXXXXXXXXX	XXXXXXXXXX
 MTD PRODUCTS LIMITED KITCHENER, ON N2G 4J1	

DATE PURCHASED: -  
PRINTED IN CANADA

COPY DIRECTLY FROM THE UNIT.

OGST-2100

- Place one flat washer (AA) on the end of the lower chute crank then, insert the end of the crank into the hole in the plastic bushing in the chute bracket. See figure 6. Secure with remaining flat washer (AA) and cotter pin (G) (5/16" diameter).
- Insert upper chute crank through hole in upper chute crank bracket then into spacer. Secure with cotter pin (BB) (1/2" diameter) as shown in figure 9.
- With the hex nuts loosened on the chute crank support bracket adjust the chute bracket (see figure 6) so that the spiral on the chute crank fully engages the teeth

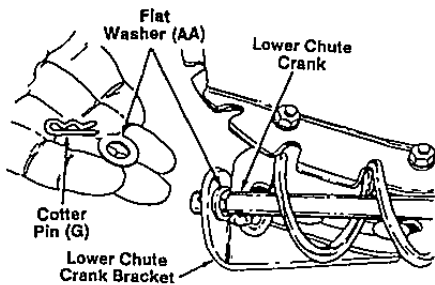


FIGURE 8

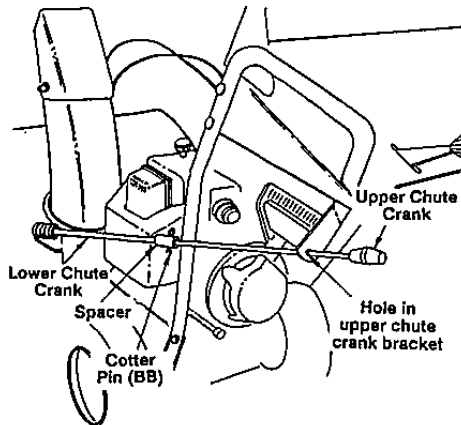


FIGURE 9

on the chute assembly. Tighten the nuts on the lower chute crank bracket securely.

- Check to make sure all nuts and bolts on the control panel and all four bolts which secure the handles to the frame are tight.

#### ATTACHING THE SHIFT ROD (Hardware F)

- Insert the end of the lower shift rod with the small hole into the shift arm assembly, located outside the snowthrower frame. Secure with flat washer (R) and cotter pin (G) (washer and cotter pin should be on

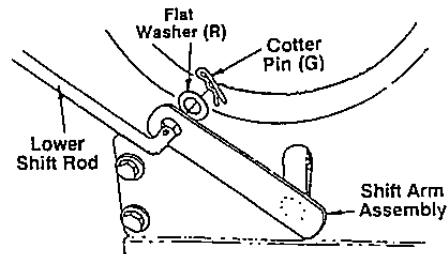


FIGURE 10

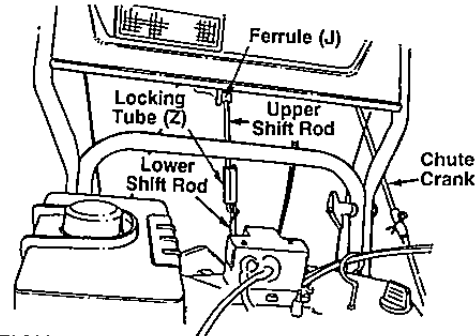


FIGURE 11

the engine side of the bracket). See figure 10.

- Slide the locking tube (Z) over the threaded end of the upper shift rod.
- Thread the ferrule (J) on the threaded end of the upper shift rod.
- Secure the upper and lower shift rods with cotter pin (G) and slide the locking tube down as shown in figure 11.
- Place the shift lever in the fastest forward position. Push the shift rod down sharply, as far as it will go, to put the drive into the fastest forward position. Thread the ferrule in or out on the shift rod as necessary until the ferrule lines up with the upper hole in the shift lever. Insert ferrule from the left side of the snowthrower into upper hole in shift lever and secure with flat washer (R) and internal cotter pin (G). See figure 12.

#### ATTACHING THE CLUTCH CABLES (Hardware G)

- The clutch control cables are attached to the snowthrower. Your cables may be attached to the top of the engine with cable ties, cut the ties.
- Ensure there is a hex jam nut threaded all the way up the threaded portion of the "Z" fitting, extras are supplied in the screw pack.
- Swing the left auger cable up making sure the cable is routed correctly in the

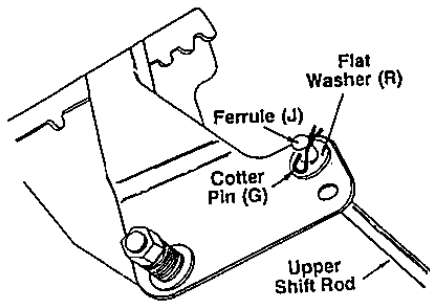


FIGURE 12

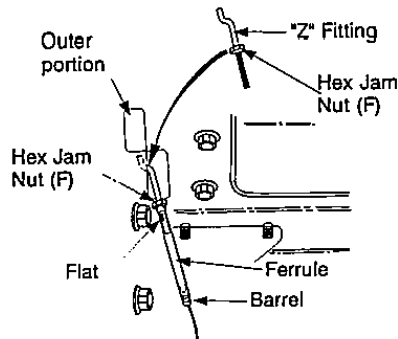


FIGURE 13 - Viewed from the underside of the control panel.

cable roller guides located at the lower rear of the unit.

- Hold the end of the cable at the barrel so the ferrule turns freely without twisting the cable. Thread the ferrule onto the "Z" fitting, you may have to pull on the cable slightly to relieve tension, keep the ferrule turning without twisting the cable.
- Correct adjustment on cable is minimal slack but not tight.
- Hold the flats on the ferrule with pliers and tighten the jam nut (F) against the ferrule.

**CAUTION:** Cables will loosen if not tight.

- The right drive cable should be assembled in the same manner.

*NOTE: If the right hand lockout cable is not adjusted correctly, the wheels will tend to turn. If the left hand lockout cable is not adjusted correctly, the augers will not stop rotating.*

**⚠ WARNING:** There must not be any tension on either clutch cable with the drive or auger clutch grip in the disengaged (up) position. These clutches are a safety feature, and their function can be overridden if

there is tension on either cable with the clutches disengaged.

**LAMP WIRING CONNECTION:**

- Wrap the wire from the lamp down the right handle until the wire can be plugged into the alternator lead wire under the fuel tank. See figure 14.

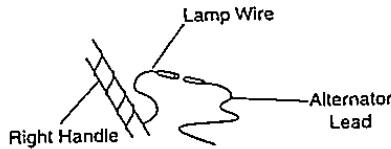


FIGURE 14

**FINAL ASSEMBLY AND ADJUSTMENTS**

- Insert the remote chute cables into the cable control wire, located on top of the engine. See figure 15.
- The space between the shave plate and the ground can be adjusted. For close snow removal, place slide shoes in the low position. Use middle or high position when area to be cleared is uneven. See figure 16.

Adjust slide shoes by loosening the four hex nuts and carriage bolts and moving slide shoes to desired position. Make certain the entire bottom surface of slide shoe is against the ground to avoid uneven wear on the slide shoes. Tighten bolts securely.

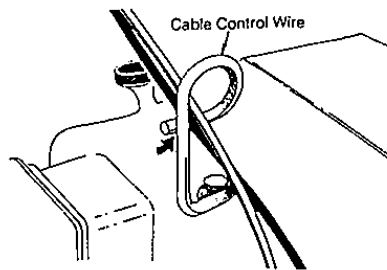


FIGURE 15

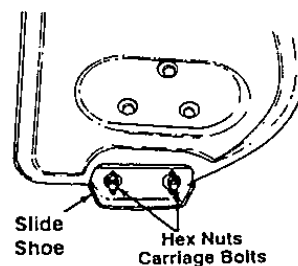
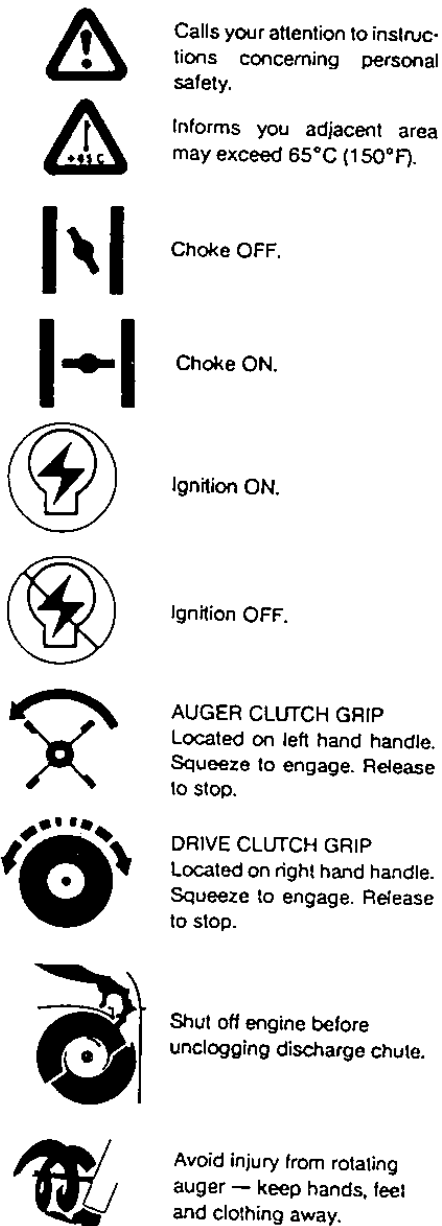


FIGURE 16

## CONTROLS

Control positions and information markings, on your machine are in international symbols, as explained.



## BEFORE STARTING

**NOTE:** The crankcase has been filled with oil and factory tested. Paint on the muffler may have burnt due to testing.

Failure to follow this procedure may result in serious engine damage which will not be covered by warranty.

**NOTE:** The spark plug wire was removed for safety.

**ATTENTION: YOU MUST CHECK OIL LEVEL BEFORE OPERATION. LEVEL MUST BE AT FULL MARK ON DIPSTICK BEFORE ENGINE IS STARTED.**

## GAS AND OIL FILL-UP

Service the engine with gasoline and oil as instructed in the separate engine manual packed with your snowthrower. Read instructions carefully.

**WARNING:** Never fill fuel tank indoors. Never fill fuel tank with engine running or while engine is hot. Do not smoke when filling fuel tank.

## OPERATION

### TO START ENGINE

Electric Starter (Optional)

**WARNING:** The optional electric starter is equipped with a three-wire power cord and plug, and is designed to operate on 120 volt AC Household current. It must be properly grounded at all times to avoid the possibility of electric shock which may be injurious to the operator. Follow all instructions carefully. Determine that your house wiring is a three wire grounded system. Ask a licensed electrician if you are not certain. If your house wiring system is not a three-wire grounded system, do not use this electric starter under any conditions. If your system is grounded and a three hole receptacle is not available at the point your starter will normally be used, one should be installed by a licensed electrician.

When connecting the power cord, always connect cord to starter on engine first, then plug the other end into a three-hole grounded receptacle.

When disconnecting the power cord, always unplug the end from the three-hole grounded receptacle first.

- Attach spark plug wire to spark plug. Make certain the metal loop on the end of the spark plug wire (inside the boot) is fastened securely over the metal tip on the spark plug. See figure 17.

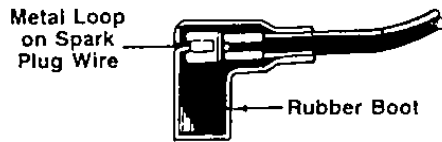
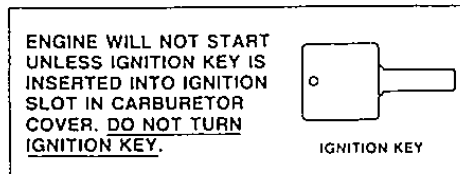




FIGURE 17



- Make certain the auger and drive clutch levers are in the disengaged (released) position.
- Move throttle control up to FAST  position. Insert ignition key into slot. See figure 18. Be certain it snaps into place. Do not turn key.
- Rotate choke knob to OFF position.
- Connect power cord to switch box on engine. Plug the other end of power cord into a three-hole, grounded 120 volt AC receptacle.
- Push starter button to crank engine. See figure 18. As you crank the engine, move choke knob to FULL choke position.
- When engine starts, release starter button, and move choke gradually to OFF. If engine falters, move choke immediately to FULL and then gradually to OFF.

#### Recoll Starter:

- Attach spark plug wire to spark plug. Make certain the metal loop on the end of the spark plug wire (inside the boot) is fastened securely over the metal tip on the spark plug. See figure 17.
- Make certain the auger and drive clutch levers are in the disengaged (released) position.
- Move throttle control up to FAST  position. Insert ignition key into slot. See figure 18. Be certain it snaps into place. Do not turn key.
- Rotate choke knob to FULL choke position (cold engine start).  
If engine is warm, place choke in OFF position instead of FULL.
- Push primer button two or three times. See figure 18.  
If engine is warm, push primer button once only.

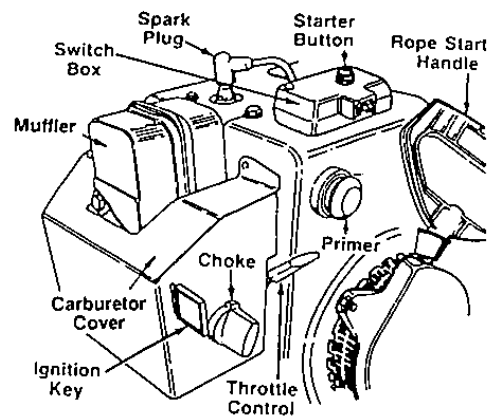


FIGURE 18

**NOTE:** Always cover vent hole in primer button when pushing. Additional priming may be necessary for first start if temperature is below 15°F.

- Grasp starter handle (see figure 18) and pull rope out slowly, until it pulls slightly harder. Let rope rewind slowly.
- Pull starter handle rapidly. Do not allow handle to snap back. Allow it to rewind slowly while keeping a firm hold on the starter handle.
- Repeat the last two steps until engine starts.
- As engine warms up and begins to operate evenly, rotate choke knob slowly to OFF position. If engine falters, return to FULL choke, then slowly move to OFF position.

#### TO STOP ENGINE

- Run engine for a few minutes before stopping to help dry off any moisture on the engine.
- To help prevent possible freeze-up of starter, proceed as follows.

**Optional Electric Starter:** Connect power cord to switch box on engine, then to 120 volt AC receptacle. With the engine running, push starter button and spin the starter for several seconds. The unusual sound made by spinning the starter will not harm engine or starter. Disconnect the power cord from receptacle first, and then from switch box.

**Recoll Starter:** With engine running, pull starter rope with a rapid, continuous full arm stroke three or four times. Pulling the starter rope will produce a loud clattering sound, which is not harmful to the engine or starter.

- To stop engine, remove the ignition key. Do not turn key. Disconnect the spark plug wire from the spark plug to prevent accidental starting while equipment is unattended.

**NOTE:** Do not lose ignition key. Keep it in a safe place. Engine will not start without the ignition key.

- Wipe all snow and moisture from the carburetor cover in the area of the control levers. Also, move control levers back and forth several times.

#### TO ENGAGE DRIVE

- With the engine running near top speed, move shift lever into one of the possible FORWARD or REVERSE positions. Select a speed appropriate for the snow conditions that exist. Use the slower speeds until you are familiar with the operation of the snowthrower.
- Squeeze the left hand auger clutch grip and engage it.
- While the left hand auger clutch grip is engaged, engage the right hand drive clutch grip.
- Release the left hand auger clutch grip only. The interlock mechanism should keep the left hand clutch engaged until the right hand clutch is released.

**NOTE:** Never never move shift lever without first releasing the drive clutch.

#### DRIVE WHEELS

Your snowthrower can be operated with both wheels driving for maximum traction in heavy snow or with one wheel driving for easier turning in tight areas.

For both wheels driving (straight axle), place the klick pin in the hole in the hub of the right hand rim. (See figure 19B).

For one wheel driving, place the klick pin on the right hand axle in the outside axle hole. (See figure 19A).

#### TIRE PRESSURE

Pneumatic tires only. Tires are over-inflated for shipping purposes. Correct tire pressure is 10-15 psi.

#### OPERATING TIPS

**NOTE:** Allow the engine to warm up for a few minutes as the engine will not develop full power until it reaches operating temperature.

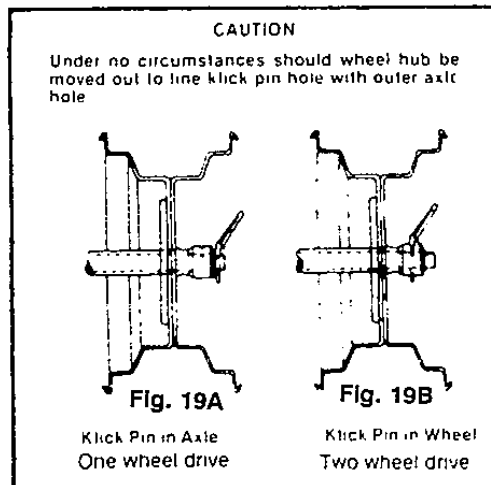


FIGURE 19



**WARNING:** Temperature of muffler and surrounding areas may exceed 150°F. Avoid these areas.

- For most efficient snow removal, remove snow immediately after it falls.
- Discharge snow downwind whenever possible. The distance snow is thrown can be adjusted by adjusting the angle of the chute assembly. The sharper the angle, the shorter the distance snow is thrown. Slightly overlap each previous swath.
- Set the slide shoes 1/4" below the shave plate for normal usage. The slide shoes may be adjusted upward for hard-packed snow. Adjust downward when using on gravel or crushed rock.
- Be certain to follow the precautions listed under previous section, "To Stop Engine" to prevent possible freeze up.
- Clean the snowthrower thoroughly after each use.

### ADJUSTMENTS



**WARNING:** NEVER attempt to clean chute or make any adjustments while engine is running.

#### CHUTE ASSEMBLY ADJUSTMENT MODELS WITHOUT REMOTE CHUTE CONTROL

Adjust chute assembly by loosening the hand knob. Pivot the top of the chute assembly to position desired. Tighten the hand knob. See figure 20.

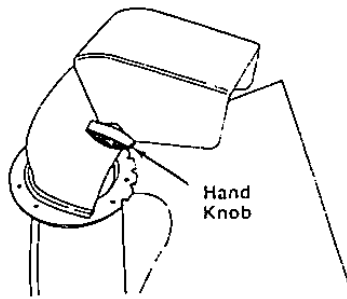


FIGURE 20

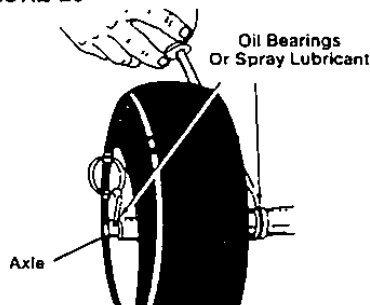


FIGURE 21

#### MODELS WITH REMOTE CHUTE CONTROL

The remote chute control cables have been pre-adjusted at the factory. Move the remote chute lever on the control panel back and forward to adjust angle of the chute assembly.

#### CHECK ADJUSTMENT OF CLUTCH CONTROL CABLES

Refer to "ATTACHING THE CLUTCH CONTROL CABLES", in the Assembly Instructions.

#### SHIFT ROD ADJUSTMENT

To adjust the shift rod, remove the cotter pin which secures the ferrule to the shift lever. Adjust as specified in "ATTACHING THE SHIFT ROD", in the Assembly Instructions.

#### SLIDE SHOE ADJUSTMENT

The space between the shave plate and the ground can be adjusted. Refer to "FINAL ASSEMBLY AND ADJUSTMENTS" in the Assembly Instructions.

#### CARBURETOR ADJUSTMENT

**WARNING:** If any adjustments are made to the engine while the engine is running (e.g. carburetor), keep clear of all moving parts. Be careful of heated surfaces and mufflers.

Minor carburetor adjustment may be required to compensate for differences in fuel, temperature, altitude and load.

Refer to the separate engine manual packed with your unit for carburetor adjustment information.

**NOTE:** Failure to comply with suggested maintenance and lubrication specification on pages 10 and 11 will void warranty.

## LUBRICATION

**NOTE:** REFER TO EXPLODED VIEW OF PARTS, FOUND IN THE CENTRE OF THIS BOOK, FOR CORRECT LOCATION OF LUBRICANTS.

#### WHEELS

Oil or spray lubricant into bearings at wheels at least once a season. Remove wheels, clean and coat axles with a multi-purpose automotive grease. See figure 21.

#### DRIVE AND SHIFTING MECHANISM

Remove rear cover. Oil any chains, sprockets, gears, bearings, shafts, and shifting mechanism at least once a season. Use engine oil or a spray lubricant. Avoid getting oil on rubber friction wheel and aluminum drive plate.

#### GEAR BOX

The worm gear box has been filled with grease at the factory. If disassembled for any reason, lubricate with 1.5 ounces of Shell Alvania grease EPR00, part number 737-0168. Before reassembling remove old sealant and apply "Loctite 5699" or equivalent.

**CAUTION:** Do not overfill the gear box, damage to the seals could result. Be sure the vent plug is free of grease in order to relieve pressure.

#### WORM GEAR

The worm gear on the chute direction crank should be greased with multi-purpose automotive grease.

#### AUGER SHAFT

Remove auger bolts on auger shaft. Oil or spray lubricant inside shaft. See figure 23.

#### ENGINE

Refer to engine manual for engine lubrication instructions.

**WARNING:** When following instructions in separate engine manual for draining oil, be sure to protect frame to avoid oil dripping onto transmission parts.

### GEAR SHAFT

Lubricate the gear (hex) shaft with a light weight cold weather lubricant at least once a season or after every 25 hours of operation.

**IMPORTANT:** Keep all grease and oil off of the rubber friction wheel and aluminum drive plate.

If for any reason your transmission was disassembled and the drive cable disconnected, make sure when reassembling to pass the cable between the drive shaft and the gear shaft before reconnecting to support bracket. See figure 22.

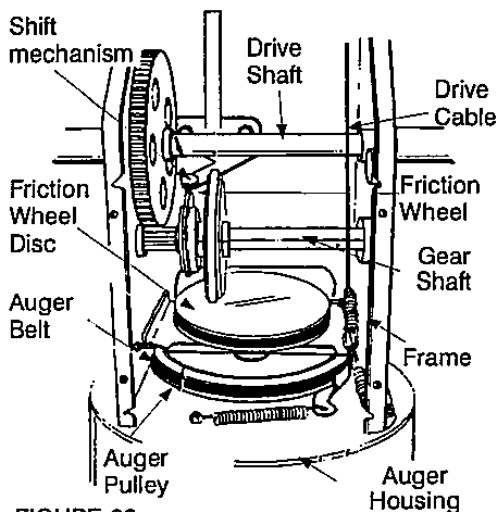


FIGURE 22

## MAINTENANCE



**WARNING:** Disconnect the spark plug wire and ground against the engine before performing any repairs or maintenance.

### AUGERS

The augers are secured to the spiral shaft with two shear bolts and hex locknuts. See figure 23. A direct impact of an object will usually cause the shear bolts to shear however, if you ingest an object between the augers/impellers and housing you may cause damage without shearing bolts. Keep clear of foreign objects.

**NOTE:** Locknuts cannot be threaded onto a bolt by hand. This type of nut is used where vibration occurs.

If the augers will not turn, check to see if the hex bolts have sheared. Two replacement hex bolts (M) and hex lock nuts (W) have been provided with the snowthrower. When replac-

### MAINTENANCE and LUBRICATION CHECKLIST

	After First 2 Hours	After 5 Hours	Frequently	Beginning Each Season	Before Storage
Check Engine Oil Level		•		•	
Change Engine Oil	•			•	
Tighten All Screws and Nuts			•		
Check Spark Plug				•	
Lubricate Chute Opening				•	
Lubricate Wheel Axle				•	
Lubricate Wheel Bearings				•	
Lubricate chains, bearings, shafts and shifting mechanism				•	•
Check wear on friction wheel rubber				•	

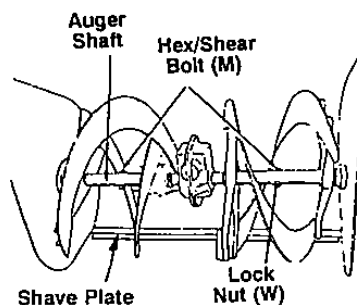


FIGURE 23

ing bolts, spray an oil lubricant into shaft before inserting new bolts.

### SHAVE PLATE AND SLIDE SHOES

The shave plate and slide shoes on the bottom of the snowthrower are subject to wear. They should be checked periodically and replaced when necessary.

To remove slide shoes, remove the four carriage bolts, Belleville washers and hex nuts which attach them to the snowthrower. Reassemble new slide shoes with the four carriage bolts, Belleville washers (cupped side goes against slide shoes) and hex nuts.

To remove shave plate, remove the carriage bolts, Belleville washers and hex nuts which attach it and the slide shoes to the snowthrower housing. Reassemble new shave plate, making sure heads of the carriage bolts are to the inside of the housing. Tighten securely.

### FRICION WHEEL

Check wear on friction wheel at least once a season. Replace rubber ring (friction wheel) before clamping plates damage aluminum drive plate. See figure 30.



## BELT REMOVAL AND REPLACEMENT



**WARNING:** Remove the spark plug wire from the spark plug and ground. Drain gasoline from the fuel tank, or place a piece of plastic film underneath the gas cap to prevent gasoline from leaking.

- Disconnect chute crank assembly at the discharge chute by removing the cotter pin and flat washers.
- Remove the plastic belt cover on the front of the engine by removing two self-tapping screws. See figure 24.

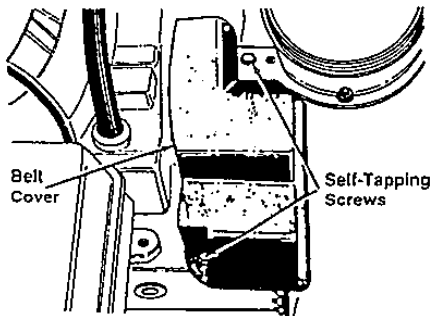


FIGURE 24-Chute removed for clarity.

### AUGER DRIVE BELT:

- Unthread the bottom of the auger cable from the "Z" fitting, leaving the hex nut in place. See figure 10.
- Remove the six hex nuts, lockwashers and hex nuts which attach the auger housing assembly to the frame. See figure 25.

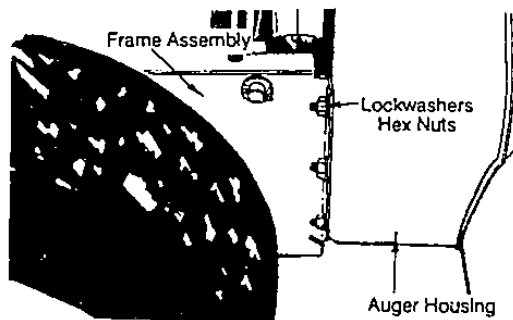


FIGURE 25

- Separate the housing from the frame assembly by standing in the operating position and lifting up on the handles. The frame and housing will separate, and the rear auger drive belt will come off the pulleys. See figure 26.

**NOTE:** Your unit may be equipped with one or two auger belts.

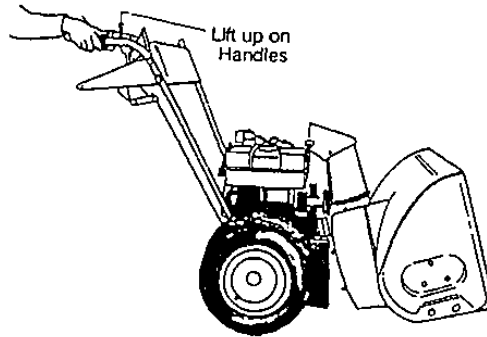


FIGURE 26

- To remove the front auger drive belt, push the idler pulley to the left, and lift front auger drive belt from the front auger pulley. See figure 27. Replace both auger drive belts by following instructions in reverse order.

**NOTE:** When reassembling the two halves of the unit, the auger drive cable must be routed through the cable roller guides as shown in figure 28.

### DRIVE BELT:

**NOTE:** Separating the housing from the frame is not required when removing and replacing the drive belt.

- Tip the snowthrower up and forward, so that it rests on the housing.
- Remove six self-tapping screws from the frame cover underneath the snowthrower.
- Pull the idler pulley towards you and remove the drive belt from the pulley. You will find the idler pulley in front of the engine and under the belt cover that you removed earlier. See figure 28.
- Slip belt between friction wheel and friction wheel disc. See figure 22. You may have to twist the belt flat in order to slide it through the clearance between the friction wheel and the friction wheel disc. Remove the belt completely.
- Replace new belt. Reassemble in reverse order.

**NOTE:** When reassembling the two halves of the unit, the auger drive cable must be routed through the cable roller guides as shown in figure 27.

### CHANGING THE FRICTION WHEEL RUBBER

The rubber on the friction wheel is subject to wear and should be checked after 25 hours of

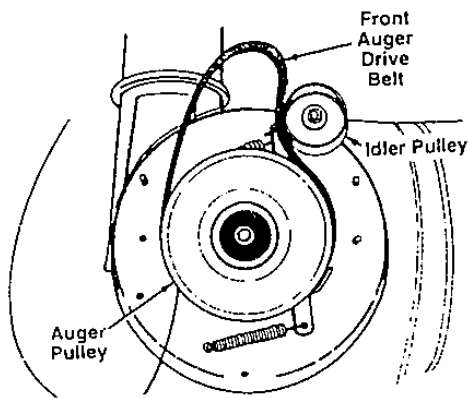


FIGURE 27

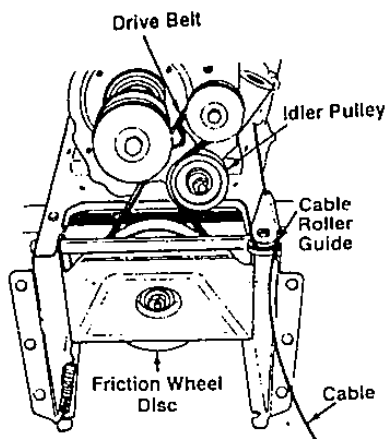


FIGURE 28

operation, and periodically thereafter. Replace the friction wheel rubber if any signs of wear or cracking are found.

- Drain the gasoline from the snowthrower, or place a piece of plastic under the gas cap.
- Tip the snowthrower up and forward, so that it rests on the housing.
- Remove six self-tapping screws from the frame cover underneath the snowthrower.
- Remove the klick pins which secure the wheels, and remove the wheels from the axle.
- Remove the gear shaft from the unit by removing the hex nut and cupped washer from left side of the frame. See figure 29. Hold the friction wheel assembly, and slide the gear shaft out of the unit toward the right hand side. Refer to figure 22.
- Remove the six screws from the friction wheel assembly (three from each side). Remove the friction wheel rubber from between the friction wheel plate.

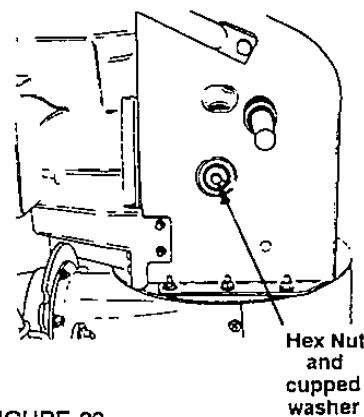


FIGURE 29

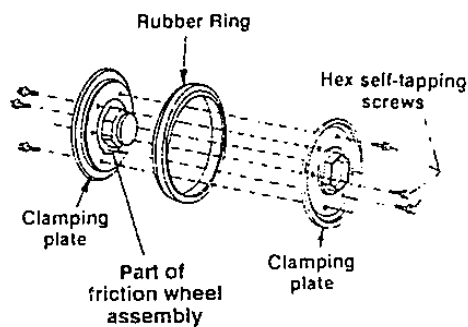


FIGURE 30

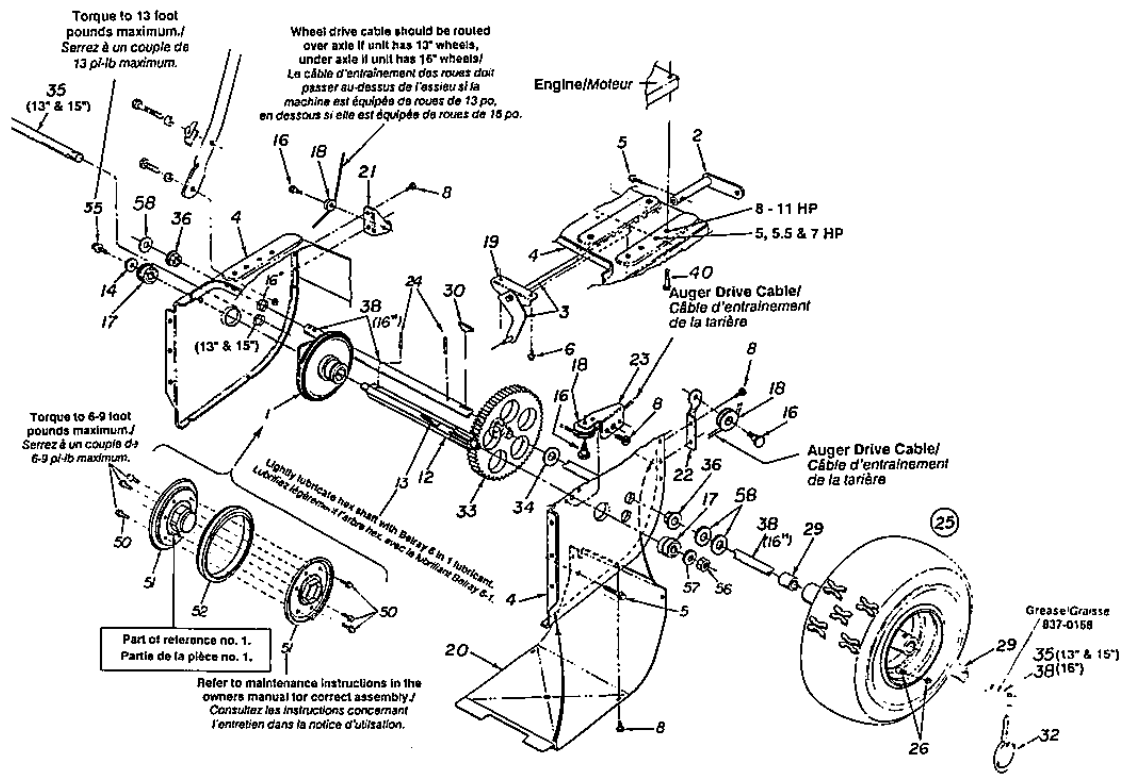
- Reassemble new friction wheel rubber to the friction wheel assembly, tighten approximately 2 turns on each screw until tight. It is important for the rubber to be assembled symmetrically. See figure 29.
- Slide the friction wheel assembly up onto the shift mechanism as shown in figure 21 and slide the gear shaft back into the unit. Reassemble in reverse order.

## STORAGE INSTRUCTIONS

**NEVER STORE ENGINE WITH FUEL IN TANK INDOORS OR IN ENCLOSED, POORLY VENTILATED ENCLOSURES, WHERE FUEL FUMES MAY REACH AN OPEN FLAME OR SPARK.**

If unit is to be stored over 30 days, prepare for storage as instructed in the separate engine manual packed with your unit.

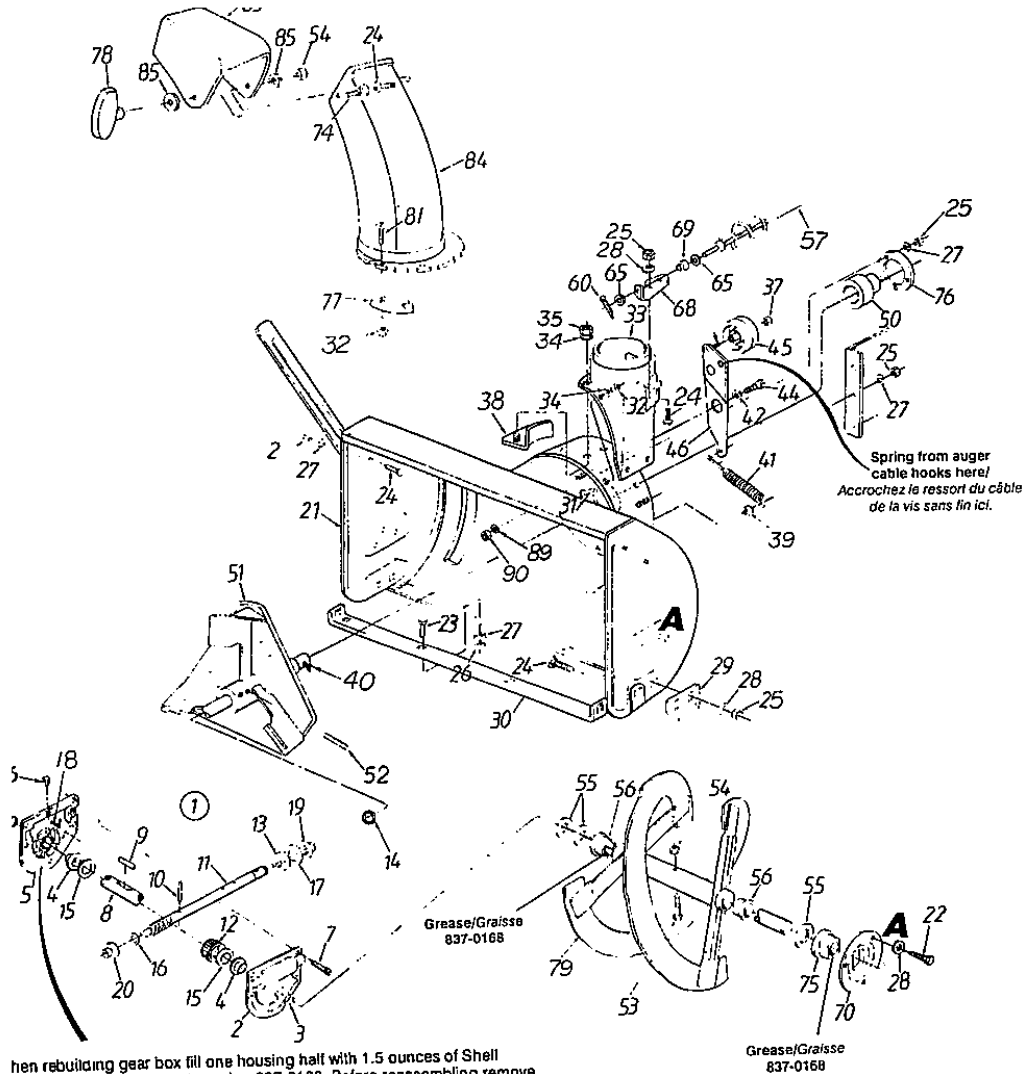
**NOTE:** Failure to comply with suggested maintenance and lubrication specification on pages 11 and 12 will void warranty.



Model Modèle	Wheel Assembly Ensemble de roue	Description Description	Tire Roue	Rim Jante
31A-610	734-1709-662	16.5 x 4.8 Snow Hog	734-1530	734-1708-662
31A-612	634-0114-662	13.0 x 4.0 Snow Hog	734-1732	734-1713-662
31A-614	634-0114-662	13.0 x 4.0 Snow Hog	734-1732	734-1713-662
31A-615	634-0114-662	13.0 x 4.0 Snow Hog	734-1732	734-1713-662
31A-633	634-0140-674	15.0 x 5.0 Snow Hog	734-1859	734-1713-674
31AE5B3	734-1712-662	16 x 6.5 Snow Hog	734-1525	734-1711-662
31AE640	734-1709-662	16.5 x 4.8 Snow Hog	734-1530	734-1708-662
31AE642	634-0114-662	13.0 x 4.0 Snow Hog	734-1732	734-1713-662
31AE644	634-0114-662	13.0 x 4.0 Snow Hog	734-1732	734-1713-662
31AE645	634-0114-662	13.0 x 4.0 Snow Hog	734-1732	734-1713-662
31AE660	734-1709-662	16.5 x 4.8 Snow Hog	734-1530	734-1708-662
31AE662	734-1709-662	16.5 x 4.8 Snow Hog	734-1530	734-1708-662
31AE664	734-1709-662	16.5 x 4.8 Snow Hog	734-1530	734-1708-662
31AE665	734-1709-662	16.5 x 4.8 Snow Hog	734-1530	734-1708-662
31AE673	734-1712-674	16 x 6.5 Snow Hog	734-1525	734-1711-674
31AE6B0	734-1709-662	16.5 x 4.8 Snow Hog	734-1530	734-1708-662
31AE6B4	734-1709-662	16.5 x 4.8 Snow Hog	734-1530	734-1708-662
31AE6C4	634-0140-662	15.0 x 5.0 Snow Hog	734-1859	734-1713-662
31AE6C0	734-1709-662	16.5 x 4.8 Snow Hog	734-1530	734-1708-662
31AE6C3	734-1709-662	16.5 x 4.8 Snow Hog	734-1530	734-1708-662
31AE6E3	734-1709-674	16.5 x 4.8 Snow Hog	734-1530	734-1708-674
31BE662	734-1709-662	16.5 x 4.8 Snow Hog	734-1530	734-1708-662

REF NO. N° DE RF	PART NO. N° DE PIÈCE	DESCRIPTION	DESCRIPTION
1	684-0042B	Friction Wheel Assembly	Ensemble de roue du friction
2	684-0008A	Shift Arm Assembly	Bras de commande
3	684-0013B	Shift Rod Assembly	Tige de commande
4	684-0030	Frame Assembly - Wheel Drive	Bâti - entraînement de roue
5	710-0788	Hex Wash Hd. TT Scr. 1/4-20 X 1.00	Vis taraudée 1/4-20 X 1.00
6	710-0599	Hex Wash SF B-Tapp Scr 1/4-20 X .50	Vis auto-taraudeuse hex. 1/4-20 X .50
8	710-1652	Hex Wash. Hd. TT Scr. 1/4-20 X .625"	Vis auto-taraudeuse TT 1/4-20 X .625 po de lg
12	717-1444	Gear Shaft 7 Tooth (Hardened)	Arbre 7 dents
13		Chain Lube (Buy Locally)	Lubrifiant de chaîne. (Achat local)
14	736-0242	Belleville Washer .345 x .88 x .06	Rondelle Belleville .345 x .88 x .06
16	738-0924	Hex Ind. Shoulder Scr. 1/4-20 x 3.75	Boulon à épaulée 1/4-20 x 3.75
17	741-0563	Ball Bearing w/snap ring	Roulement à billes avec bague
18	756-0625	Cable Guide Roller	Guide du câble
19	784-5590	Shift Bracket Frame	Bâti du commande
20	784-5638	Frame Cover Wheel Drive	Couvercle de bâti
21	784-5688	Drive Cable Guide Brkt.	Support de câble d'entraînement
22	784-5687	Auger Cable Guide Brkt.	Support de câble de tarière
23	784-5689A	Front Support Bracket Guide	Support de guide avant
24	715-0249	Roll Pin 5/32 x 1.12	Goupille rouleau
25		See Chart on previous page	Voir le tableau sur la page precedante
26	734-0255	Air Valve	Soupape de gonflage
29	741-0401	Sleeve Brg .755 ID X .879 OD X 1.00	Palier à douille .755 DI X .879 DE X 1.00
30	714-0126	#9 HI-Pro Key 3/16 X 3/4 Dia HT	Clavette HI-Pro n° 9 - 3/16 X 3/4 diam
32	714-0143	Klik Pin 1/4 Dia X 1.75	Goupille à declique dia 1/4 X 1.75
33	717-1445	80 Tooth Gear	Engrenage 80 dents
34	736-0351	Flat Washer .76 ID X 1.50 OD x .03	Rondelle plate .76 DI X 1.50 DE x .03
35	738-0869	Wheel Axle 22.41" Lg. (w/13" & 15" Tires)	Essieu - roue 22.41 po de lg (avec 13 po et 15 po de roue)
36	741-0598	Hex Flange Brg. .752 ID	Roulement hex. .752 DI
38	738-0830	Free Wheel Axle .75 x 24.54" Lg. (w/16.5" Tires)	Essieu .75 x 24.54 po de lg (avec 16.5 po de roue)
40	710-0654A	Hex L- Wash. TT Scr. 3/8-16 x 1.00	Vis taraudée 3/8-16 x 1.00
50	710-0599	Hex Wash. Hd B-Tap Scr 1/4-20 x .50	Vis autotaraudeuse 1/4-20 x .50
51	784-5617A	Friction Wheel Plate	Plaque de roue de friction
52	735-0243	Friction Wheel Rubber	Roue de friction en caoutchouc
55	710-0538	Hex Screw 5/16-18 x .62	Vis à tête hex. 5/16-18 x .62
56	712-0711	Hex Jam Nut 3/8-24	Contre-écrou six pans 3/8-24
57	736-0105	Belleville Washer .40 x .88 x .06	Rondelle Belleville .40 x .88 x .06
58	736-0188	Flat Washer .76 x 1.49 x .06	Rondelle plate .76 DI X 1.49 DE x .06

319-6020\*  
7.7.99



When rebuilding gear box fill one housing half with 1.5 ounces of Shell Alvania grease EPR00, part number 837-0168. Before reassembling remove old sealant and apply "Loctite 5699" or equivalent. Loctite #5699, part number 721-0328 must not extend into vent hole. Pour remonter la boîte engrenages, remplissez avec 1,5 oz de graisse Shell Alvania EPR00, pièce numéro 837-0168. Avant de la remonter, enlevez le mastic usagé et utilisez mastic «Loctite 5699» ou équivalent. Le mastic Loctite no 5699, numéro pièce 721-0328, ne doit pas pénétrer dans l'évent.

REF NO. N° DE RÉF	PART NO. N° DE PIÈCE	DESCRIPTION	DESCRIPTION
1		See chart on next page.	Voir le tableau sur la page prochaine
2	719-0320	Reducer Housing LH	Boîtier de réducteur CG
3	721-0179	Oil Seal 3/4 ID	Joint d'étanchéité d'huile 3/4 DI
4	741-0661	Flange Bearing 3/4 ID X 15/16" Lg	Roulement à bride de 3/4 DI X 15/16 po de lg
5	719-0319	Reducer Housing RH	Boîtier de réducteur CD
6	721-0325	Vent Plug	Bouchon
7	710-0642	Thd Forming Scr. 1/4-20 X .75	Vis taraudée 1/4-20 X .75
8		See chart on next page.	Voir le tableau sur la page prochaine
9	714-0161	No. 61 Hi-Pro Key 3/16 X 5/8 (Hardened)	Clavette Hi-Pro N° 61-3/16 X 5/8 (durcir)
10	715-0143	Spring Spirol Pin	Goupille
11	717-0526	Impeller Shaft	Arbre
12	717-0528	Worm Gear	Vis sans fin
13	719-0186	Thrust Collar	Bague de butée
14	721-0327	Oil Seal	Disque de retenue d'huile
15	736-0351	Flat Washer .76 ID X 1.5 OD X .03	Rondelle plate .76 DI X 1.5 DE X .03
16	736-0369	Washer, Flat .505 ID X 1.0	Rondelle plate .505 DI X 1.0
17	736-0445	Flat Washer .76 ID x 1.5 OD x .060	Rondelle plate .76 DI x 1.5 DE x .060
18	737-0168	Grease Shell Alvania Eproo	Graisse-shell alvania eproo

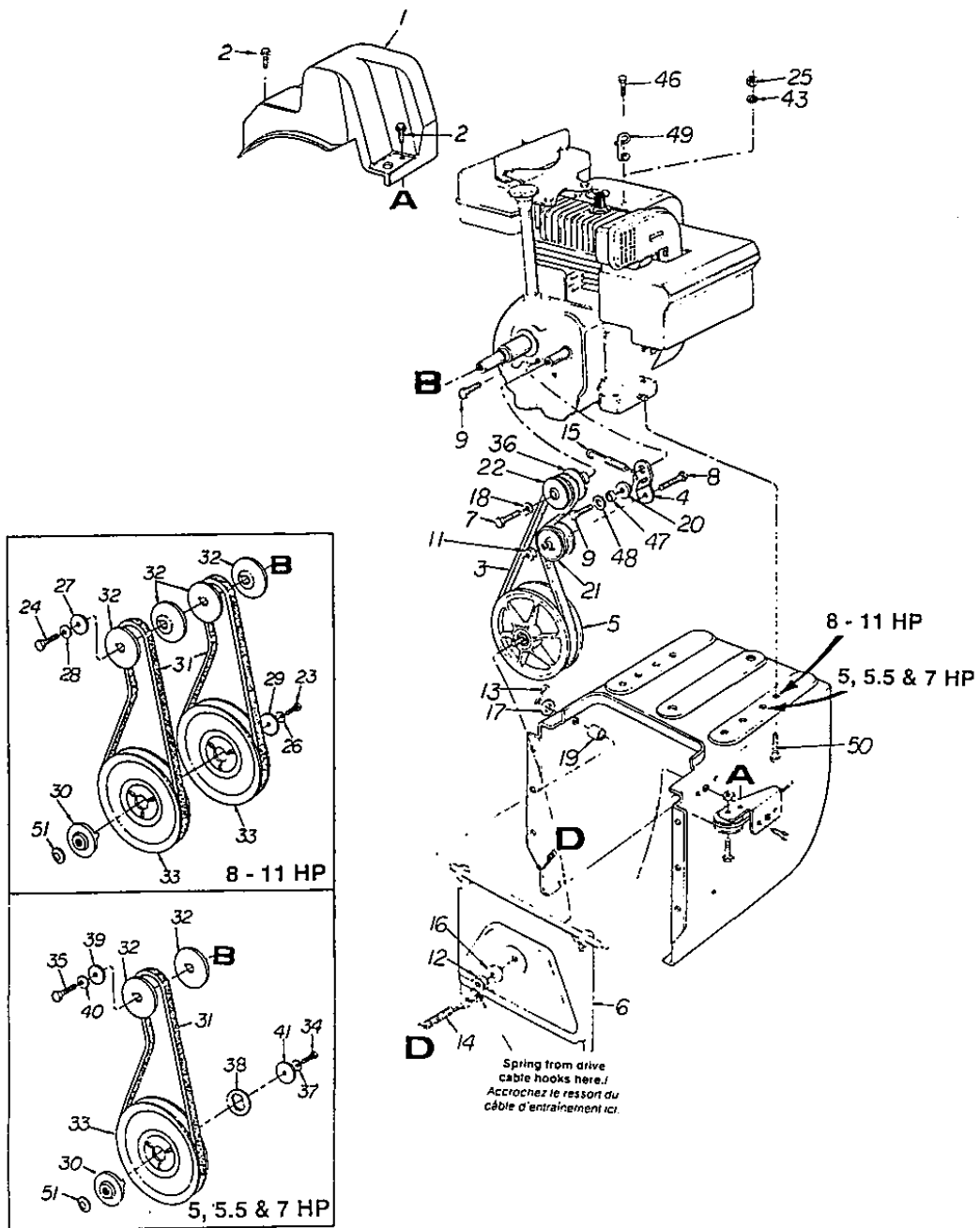
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REF NO. N° DE RÉF	PART NO. N° DE PIÈCE	DESCRIPTION	DESCRIPTION
19	741-0662	Flange Bearing 3/4 ID X .587	Roulement à bride de 3/4 DI X .587
20	741-0663	Flange Bearing	Roulement
21		See chart below.	Voir le tableau ci-dessous.
22	710-0604	Hex Tapp. Scr. 5/16-18 x .62	Vis taraudée 5/16-18 x .62
23	710-0260	Carriage Bolt 5/16 X 18 X .62" Lg.	Boulon ordinaire 5/16 X 18 X .62 po de lg
24	710-0451	Carriage Bolt 5/16-18 X .75	Boulon mécanique 5/16-18 X .75
25	712-3010	Hex Nut 5/16-18	Écrou hex 5/16-18
27	736-0119	L-Wash 5/16 ID	Rondelle frein 5/16 DI
28	736-0242	Bell. Washer .345 ID X .88 OD X .06	Rondelle Bell..345 DI X .88 DE X .060
29	784-5580	Slide Shoe	Sobat coulissant
30		See chart below.	Voir le tableau ci-dessous.
31	710-0703	Carriage Bolt 1/4-20 X .75	Boulon ordinaire 1/4-20 X .75
32	712-3027	Hex Nut 1/4-20 Gr. 5	Écrou hex 1/4-20 Qté 5
33	731-1379A	Chute Adapter	Adaptateur de goulotte d'éjection
34	736-0463	Flat Washer .287 ID X .620 OD	Rondelle à ressort .287 DI X .620 DE
35	712-0324	Hex Nut 1/4-20	Écrou hex 1/4-20
36	710-0459A	Hex Cap Scr. 3/8-24 x 1.5	Vis à tête hex. 3/8-24 x 1.5
37	712-0116	Hex Nut 3/8-24	Écrou hexagonal 3/8-24
38	705-5226	Chute Reinforcement Assembly	Renforcement de la goulotte
39	712-3068	Hex Patch L-Nut 5/16-18	Écrou hex 5/16-18
40	738-0281	Grease	Gras
41	732-0611	Extension Spring	Ressort d'extension
42	736-0174	Wave Washer .660 ID X .88 OD X .010	Rondelle ondulee .660 DI X .88 DE X .010
44	738-0281	Shoulder Scr. .625 Dia X .170	Vis à épaulement dia .625 X .170 PO
45	756-0178	Flat Idler Pulley 2.75"	Poulie de tendeur plate 2.75 po
46	784-5632A	Auger Idler Bracket	Support du tendeur
50	741-0309	Self-aligning bearing	Boîtier de roulements
51	684-0065	Blower Fan Assembly	Ventilateur du chasse-neige
52	715-0114	Spring Pin Spirale 1/4" X 1.50" Lg.	Goupille en spirale 1/4 po X 1.50 po de lg.
53	710-0890A	Shear Bolt 5/16-18 X 1.50	Boulon de cisaillement de 5/16-18 X 1.50
54	712-0429	Hex L-Nut 5/16-18	Contre-écrou de blocage 5/16-18
55	736-0186	Flat Washer .760 ID X 1.49 OD	Rondelle plate .760 DI X 1.49 DE
56	741-0493A	Flange Bearing	Roulement à bride
57		Chute Crank (refer to handle drawing)	Bras de goulotte d'éjection (voir le schéma du guidon)
60	714-0104	Int. Coller Pin 5/16 DIA.	Goupille fendue 5/16 DIA.
65	736-0185	Flat Washer .411 ID x .738 OD x .064	Rondelle plate .411 DI x .738 DE x .064
68	784-5647	Chute Crank Bracket	Support du bras de goulotte d'éjection
69	741-0475	Plastic Bushing .38 ID	Roulement à plastique .38 DI
70	784-5618	Bearing Housing	Boîtier de roulement
71	05139A	Drift Cutter (Optional)	Virole de réglage (en option)
74	710-0276	Carriage Bolt 5/16-18 X 1.00" Lg	Boulon ordinaire 5/16-18 X 1.00 po de lg
75	741-0245	Plastic Hex Flange Bearing .75 ID	Roulement à bride en plastique avec à six pans .75 DI
76	05931	Bearing Plate	Plaque de roulement
77	731-0851A	Chute Flange Keeper	Collier de la bouche d'évacuation
78	720-0284	Wing Nut	Écrou à oreilles
79		See chart below.	Voir le tableau sur la page précédente
81	710-3015	Serr. Hex Cap Scr 1/4-20 x 3/4" Lg	Vis à chapeau 1/4-20 x 3/4 de po de lg
83	731-0921	5" Dia. Upper Chute	Bouche d'évacuation dia. 5 po supérieur
84	731-1300A	Lower Chute	Partie inférieur de la bouche d'évacuation
85	736-0159	Flat Washer .344 ID X .88 OD X .063	Rondelle plate .344 DI X .88 DE X .063
89	736-0169	L-Washer 3/8 ID	Rondelle frein 3/8 DI
90	712-0798	Hex Nut 3/8-16	Écrou à six pans 3/8-16

310-6001  
5.11.99

AUGER HOUSING COMPONENTS/COMPOSANTS DU LOGEMENT DES TARIÈRES							
SIZE TAILLE	STYLE STYLE	AUGER HOUSING LOGEMENT DES TARIÈRES	LH AUGERS TARIÈRES GAUCHE	RH AUGERS TARIÈRES DROIT	AUGER SHAFT ARBRE DES TARIÈRES	SHAVE PLATE PLAQUE DE AÇLAGE	WORM DRIVE ASSY ENSEMBLE DE LA VIS SANS FIN
22"/22 po	PLAIN/ORDINAIRE	684-0052B	605-5241A	605-5240A	711-1020	784-5576	618-0152
22"/22 po	SERRATED/DENTELÉE	N/A N/D	605-5252A	605-5253A			
24"/24 po	PLAIN/ORDINAIRE	684-0039C	605-5106A	605-5107A	711-0908	784-5581A	618-0120
24"/24 po	SERRATED/DENTELÉE	N/A N/D	605-5189A	605-5188A			
26"/26 po	PLAIN/ORDINAIRE	684-0040C	605-5181A	605-5182A	711-0909	784-5579A	618-0121
26"/26 po	SERRATED/DENTELÉE	684-0146A	605-5193A	605-5192A			
28"/28 po	PLAIN/ORDINAIRE	684-0041C	605-5201A	605-5200A	711-0910	784-5582A	618-0122
28"/28 po	SERRATED/DENTELÉE	684-0133A	605-5197A	605-5196A			
30"/30 po	PLAIN/ORDINAIRE	684-0055B	605-5244A	605-5245A	711-1024	784-5575	618-0160
30"/30 po	SERRATED/DENTELÉE	684-0134A	605-5249A	605-5248A			

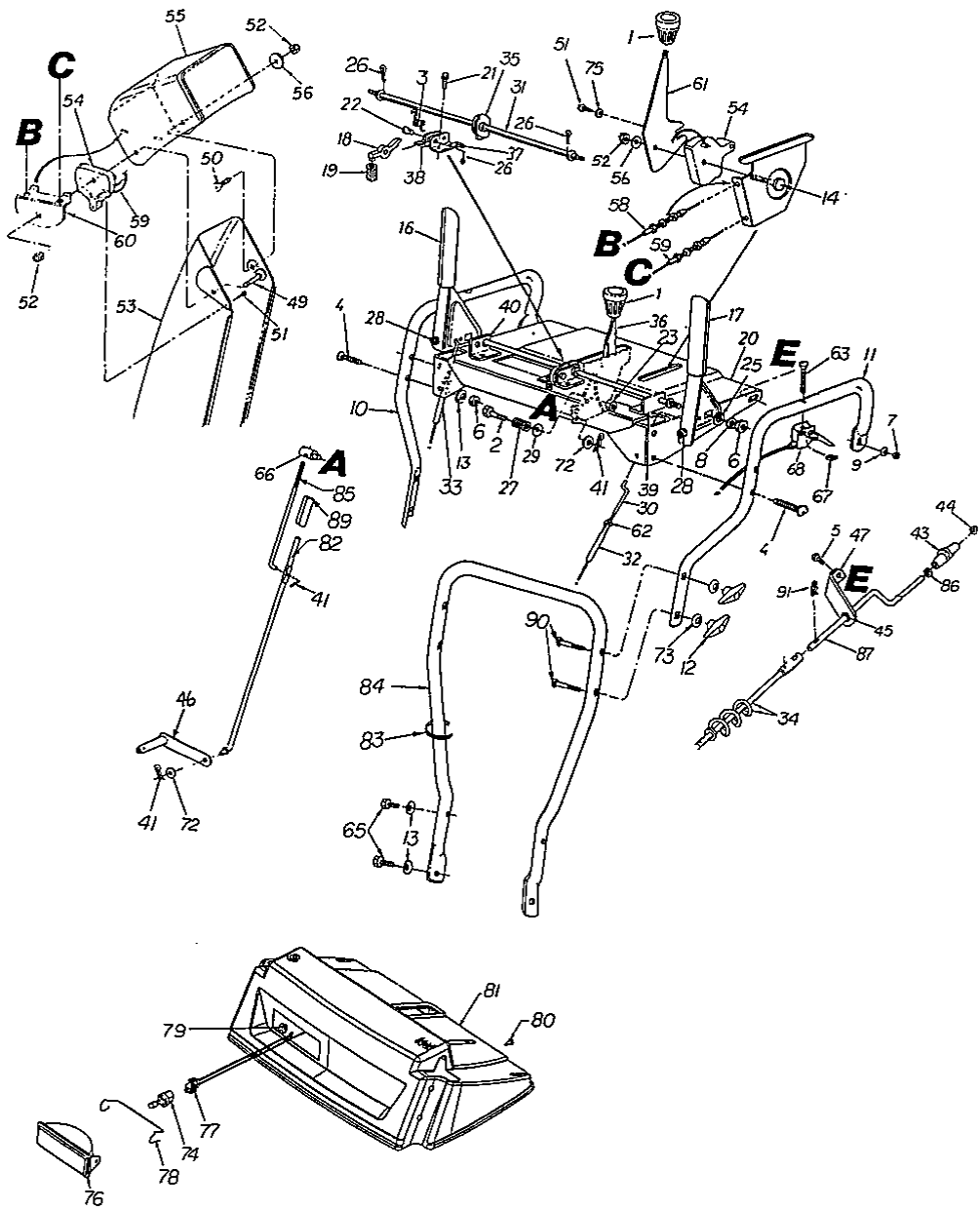
N/A = Not available  
N/D = Non disponible



REF NO. N° DE RÉF	PART NO. N° DE PIÈCE	DESCRIPTION	DESCRIPTION
1	731-1324	Belt Cover	Couvercle courroie
2	710-1652	Hex Wash TT Scr 1/4-20 x .625	Vis taraudée 1/4-20 X .625
3	754-0343	V-Belt (5 HP)	Courroie (5 HP)
	754-0456	V-Belt (5.5 & 7 HP)	Courroie (5.5 & 7 HP)
	754-0346	V-Belt (8 to 11 HP)	Courroie (8 à 11 HP)
4	05896A	Drive Clutch Idler Bracket	Support d'embrayage de l'entraînement
5	656-0012A	Friction Disc Assembly (6.75" Diam)	Disque du friction (6.75" diam.)
6	684-0021	Friction Wheel Support Brkt. Ass'y	Support de roue du friction
7	710-0230	Hex Screw 1/4-28 X .50	Vis à tête hex. 1/4-28 X .50
8	710-3005	Hex Hd. Cap Scr. 3/8-16 X 1.25 Grade 5	Vis à tête hex. 3/8-16 X 1.25 Qté 5
9	710-0627	Hex Scr 5/16-24 X .75 Grade 5	Vis à tête hex. 3/8-24 X .75 Qté 5
11	712-0181	Hex Top L-Nut 3/8-16	Écrou hexagonal 3/8-16
12	712-0711	Hex Nut 3/8-24	Écrou hexagonal 3/8-24
13	714-0474	Cotter Pin	Goupille fendue
14	732-0264	Extension Spring 3/8 OD X 2.5	Ressort d'extension 3/8 DE X 2.5
15	732-0339	Extension Spring (5, 5.5, & 7HP)	Ressort d'extension (5, 5.5 & 7 HP)
	732-0710	Ext. Spring .38 OD x 2.68" Lg. (8 to 11 HP)	Ressort d'ext. .38 DE x 2.68 po de lg (8 à 11 HP)
16	736-0105	Bell. Washer .400 ID X .88 OD X .06	Rondelle Bell. .400 DI X .88 DE X .06
17	736-0160	Flat Washer .531 ID X .930 OD	Rondelle plate .531 DI X .930 DE
18	736-0270	L-Wash 1/4 ID	Rondelle frein 1/4 DI
19	748-0190	Spacer .513 ID X 1.0	Entretoise .513 DI X 1.0
20	748-0234	Shoulder Spacer .25 Thk (5,8-11 HP)	Entretoise epaulée(5,8-11 HP)
21	756-0313	Flat Idler 2.0 X 1.0 w/flange	Tendeur de plate 2.0 X 1.0 avec collet
22	756-0984	Pulley Half 2.0 x 3/8V x .50 DD (5, 5.5 & 7 HP)	Poulie 2.0 x 3/8V x .50 OD (5, 5.5 & 7 HP)
	756-0986	Pulley Half 2.0 x 3/8V x .62 DD (8 to 11 HP)	Poulie 2.0 x 3/8V x .62 OD (8 à 11 HP)
23	710-1245	Hex Screw 5/16-24 X .88	Vis à tête hex. 5/16-24 X .88
24	710-0696	Hex Scr. 3/8-24 X .875" Lg.	Vis à tête hexagonale 3/8-24 X .875 po de lg
25	712-0324	Hex Ins. L-Nut 1/4-20	Écrou de blocage 1/4-20
26	736-0242	Bell. Washer .345 ID X .88 OD X .06	Rondelle Bell. .345 DI X .88 DE X .060
27	736-0247	Flat Washer .38 ID X 1.37 OD X .125	Rondelle plate .38 DI X 1.37 DE X .125
28	736-0331	Bell. Washer .39 ID x 1.13 OD x .62	Rondelle Bell. .39 DI X 1.13 DE x .62
29	736-0505	Flat Washer .34 ID x 1.50 OD x .150	Rondelle plate .34 DI x 1.50 DE x .150
30	748-0360	Adapter Pulley Mtg.	Poulie (adaptateur)
31	754-0430A	V-Belt 3V x 34.75	Courroie trapézoïdale 3V x 34.75 po de lg
32	756-0569	V-Pulley Half 3/8 x 2.6	Poulie 3/8 x 2.6
33	756-0967	Auger Pulley 8.0 x 3/8	Poulie tarière 8.0 x 3.8
34	710-1245	Hex Screw 5/16 - 24 X .88	Vis à tête hex. 5/16 x .88
35	710-0696	Hex Scr. 3/8-24 X .875" Lg. Grade 5	Vis à tête hexagonale 3/8-24 X .875 po de lg
36	756-0985	Pulley Half 2.0 x 3/8V x .50 DD (5, 5.5 & 7 HP)	Poulie 2.0 x 3/8V x .50 DD (5, 5.5 et 7 HP)
	756-0987	Pulley Half 2.0 x 3/8V x .62 DD (8 to 11 HP)	Poulie 2.0 x 3/8V x .62 DD (8 à 11 HP)
37	736-0242	Bell. Washer .345 ID X .88 OD X .06	Rondelle Bell. .345 DI X .88 DE X .060
38	736-0507	Washer -special	Rondelle-spéciale
39	736-0247	Flat Washer .38 ID X 1.37 OD X .125	Rondelle plate .38 DI X 1.37 DE X .125
40	736-0331	Bell. Washer .39 ID x 1.12 OD x .62 OD	Rondelle Bell. .39 DI X 1.12 DE x .62
41	736-0505	Flat Washer .34 ID x 1.50 OD x .150	Rondelle plate .34 DI x 1.50 DE x .150
43	736-0173	Flat Washer .28 ID x .74 OD x .0635.5	Rondelle plate .28 DI x .74 DE x .063
46	710-0602	Hex Wash Hd Tapp Scr 5/16-18 X 1.00	Vis auto-filèteuse à tête hex et rondelle 5/16-18
47	750-1053	Spacer .317 ID x .497 OD x .145 (5.5 & 7 HP)	Entretoise .317 DI x .497 DE x .145 (5.5. et 7 HP)
48	736-0159	Flat Washer .344 ID x .875 OD (5.5 & 7 HP)	Rondelle plate .344 DI x .875 DE (5.5 & 7 HP)
49	732-0705	Cable Control Wire	Fil de commande de la câble
50	710-0654A	Hex L-Wash. TT Scr. 3/8-16 x 1.00	Vis taraudée 3/8-16 x 1.00
51	736-0188	Flat Washer .760 ID x 1.49 OD x .06 (optional)	Rondelle plate .760 DI x 1.49 DE x .06 (en option)

319-6007\*  
10.22.98





REF NO. N° DE RÉF	PART NO. N° DE PIÈCE	DESCRIPTION	DESCRIPTION
1	720-0232	Knob	Bouton
2	710-0459	Hex Hd. Cap Screw 3/8-24 x 1.5 Grade 5	Vis à tête hex. 3/8-24 x 1.5 Cat. 5
3	732-0746	Torsion Spring .44 ID x .8	Ressort de torsion .44 DI x .8
4	710-0262	Carriage Bolt 5/16-18 x1.50	Boulon ordinaire 5/16-18 x 1.5
5	710-3015	Hex Cap Scr 1/4-20 X .75 Gr. 5	Vis à tête hexagonale 1/4-20 X .75 Qté 5
6	712-3010	Hex Nut 5/16-18 Gr. 5	Écrou hex 5/16-18 Qté 5
7	712-0287	Hex Nut 1/4-20	Écrou hex 1/4-20
8	736-0119	LWash 5/16 ID	Rondelle frein 5/16 DI
9	736-0270	Belleville Washer	Rondelle Belleville
10	749-0954	Handle Upper RH	Guidon supérieur droit
11	749-0955	Handle Upper LH	Guidon supérieur gauche
12	720-0284	Wing Nut	Écrou à oreilles
13	736-0242	Bell. Washer .345 ID X .88 OD X .06	Rondelle Bell..345 DI X .88 DE X .060
14	710-0805	Hex Hd Cap Scr 5/16-18 x 1.50 Grade 5	Vis à tête hex. 5/16-18 x 1.50 Qté 5
16	684-0036	Engagement Handle RH Black	Poignée d'entraînement CD noir
17	684-0037	Engagement Handle LH Black	Poignée d'entraînement CG noir
18	748-0363	Clutch Lock Paul	Cliquet
19	732-0145	Compression Spring	Ressort de compression
20	684-0102	Handle Panel Support Ass'y w/ slot	Ens. de sup. de panneau avec goulotte inclinable
	684-0103	Handle Panel Support Ass'u w/o slot	Ens. de sup. de panneau sans goulotte inclinable
21	710-0599	Hex Wash SF Tapp Scr 1/4-20 x .50	Vis taraudée 1/4-20 X .50
22	711-0653	Clevis Pin	Axe de chape
23	712-0116	Hex Nut 3/8-24	Écrou hexagonal 3/8-24
25	736-0509	Washer-special	Rondelle spéciale
26	714-0507	Cotter Pin	Goupille fendue
27	732-0193	Compression Spring .38 ID X .88 Lg	Ressort de compression .38 DI X .88 po de lg.
28	735-0199A	Rubber Bumper	Pare - chocs en caoutchouc
29	736-0105	Bell. Washer .400 ID X .88 OD X .06	Rondelle Bell..400 DI X .88 DE X .06
30	746-0778	"Z" Fitting	Filetée du raccord en «Z»
31	747-0877	Cam Rod	Tige de came
32	746-0897	Auger Clutch Cable (w/"Z" fitting)	Câble de tarière (avec extrémité en «Z»)
33	746-0898	Drive Clutch Cable (w/"Z" fitting)	Câble d'entraînement (avec extrémité «Z»)
34	684-0053A	Lower Chute Crank Assembly	Manivelle de la goulotte inférieure
35	748-0362	Cam	Cliquet
36	784-5619A	Shift Lever	Levier de changement de la vitesses
37	784-5679	LH Handle Support Brkt 5/8	Support de guidon-gauche 5/8
38	784-5680	RH Handle Support Brkt. 5/8	Support de guidon-droit 5/8
39	784-5681	Spring Support Bracket 3/8	Support de guidon-gauche 3/8
40	784-5682	Spring Support Bracket 3/8	Support de guidon-droit 3/8
41	714-0104	Int. Cotter Pin 5/16 DIA	Goupille fendue 5/16 DIA.
43	720-0201A	Knob	Bouton
44	726-0100	Cap Speed Nut 3/8" Rod	Écrou rapide 3/8" tige
45	741-0475	Plastic Bushing .38 ID	Roulement en plastique .38 DI
46	684-0008A	Shift Arm Ass'y	Bras de commande
47	784-5266	Upper Chute Crank Bracket	Support de la manivelle de la goulotte supérieure
48	784-5647	Chute Crank Brkt.	Support du bras de goulotte d'éjection
49	710-0262	Carriage Bolt 5/16-18 X 1.50	Boulon mécanique 5/16-18 X 1.50
50	710-0451	Carriage Bolt 5/16-18 X .75	Boulon mécanique 5/16-18 X .75
51	710-0896	Hex Wash AB Tap Scr 1/4 X .62" Lg.	Vis taraudeuse AB 1/4 X .62 po de lg
52	712-0429	Hex Cent L-Nut 5/16-18	Contre écrou hex 5/16-18
53	731-1300A	Lower Chute	Partie inférieur de la bouche d'évacuation
54	731-1313C	Cable Guide	Guide de la câble
55	731-1320	Plastic Upper chute w/slot	Partie supérieur de la bouche d'évacuation
56	736-0159	Flat Washer .344 ID x .88 OD x .063	Rondelle plate .344 DI x .88 DE x .063
58	746-0896	Chute Control Cable	Câble de la commande de la bouche d'évacuation
59	746-0901	Chute Control Cable w/clip	Câble de la commande avec attache
60	784-5594	Cable Bracket Chute Tilt	Support de câble
61	784-5604	Chute Tilt Handle	Poignée de la bouche d'évacuation
62	712-0121	#10 Jam Nut	Écrou de blocage no 10
* 63	710-1233	Oval C-Sunk Hd Screw 10-24 x 1.375	Vis 10-24 x 1.375
65	710-3008	Hex Screw 5/16-18 x .75" Lg.	Vis à tête hex. 5/16-18 x .75 po de lg.

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