

# OWNERS MANUAL

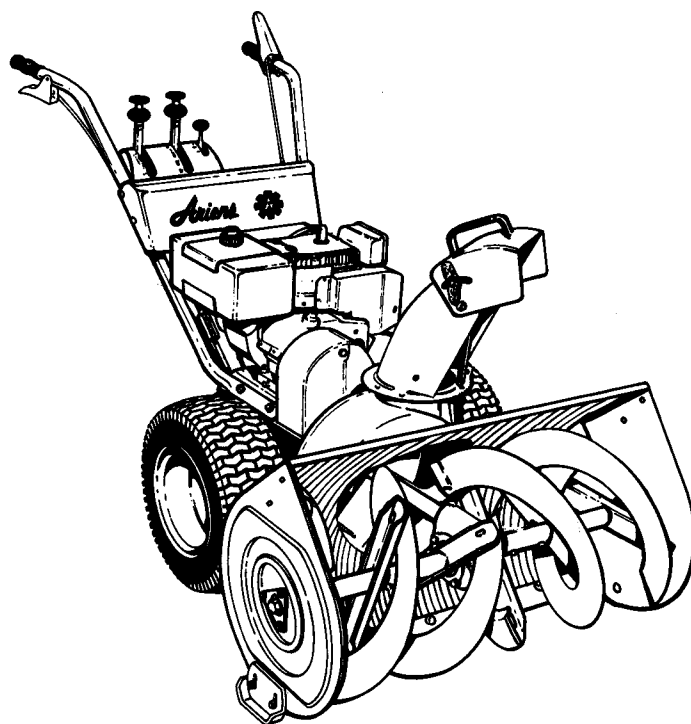
## SERIAL NUMBER

MODEL 924032 - 000101  
(7 H.P. - 24")  
MODEL 924033 - 000101  
(7 H.P. Tractor)  
MODEL 924024 - 005401  
(8 H.P. - 32")  
MODEL 924025 - 000301  
(8 H.P. Tractor)  
MODEL 924026 - 008001  
(8 H.P. - 24")  
MODEL 924027 - 000401  
(8 H.P. Tractor)  
MODEL 924028 - 010401  
(24" Sno-Thro Att.)  
MODEL 924029 - 005401  
(32" Sno-Thro Att.)

OWNER'S MANUAL 24324B

PRICE \$.50

## *Ariens* 7HP/8HP Deluxe Sno-Thro



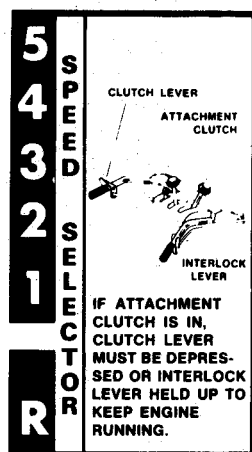
### ▲ SAFETY MESSAGE ▲

The product for which you have requested information or replacement parts is not a current product. The replacement models incorporate product designs, safety features, safety instructions or warnings which represent the latest "State Of The Art" developments. For your safety and those around you please contact your nearest Ariens/Gravely Dealer for a demonstration of the current product safety provisions and features.

**ARIENS COMPANY**



**BRILLION, WIS. 54110**



78331



78334



78324



78250

COMPLIANCE WITH CANADIAN RADIO INTERFERENCE REGULATIONS CERTIFIED  
REPLACE SPARK PLUG WITH RESISTOR SPARK PLUG ONLY!  
CERTIFIÉ CONFORMÉ À RÉGLEMENT CANADIEN SUR LE BROUILLAGE RADIOÉLECTRIQUE  
REMPLACER LA BOUGIE PAR UNE BOUGIE À RÉISTANCE SEULEMENT!

78400

USED ON UNITS  
EQUIPPED WITH  
RESISTOR SPARK  
PLUG



78326

A HIGH SPEED IMPELLER ROTATES  
INSIDE THIS HOUSING TO THROW  
THE SNOW. NEVER REACH OR PUSH  
ANY OBJECT INTO THE DISCHARGE  
CHUTE WITH THE IMPELLER  
ROTATING!

## SAFETY INSTRUCTIONS

### AVOID POTENTIAL HAZARDS

1. READ OWNERS MANUAL FOR OPERATING AND SAFETY INSTRUCTIONS.
2. OBSERVE ALL LABELS AND INSTRUCTIONS.
3. DO NOT DEFEAT INTERLOCK SYSTEM. IT IS FOR YOUR PROTECTION.
4. STOP ENGINE AND WAIT FOR ALL MOVEMENT TO STOP BEFORE UNCLOGGING OR SERVICING MACHINE.
5. NEVER ALLOW CHILDREN TO OPERATE THE EQUIPMENT. NEVER ALLOW ADULTS TO OPERATE THE EQUIPMENT WITHOUT PROPER INSTRUCTION.
6. KEEP THE AREA OF OPERATION CLEAR OF ALL PERSONS, ESPECIALLY CHILDREN.
7. NEVER DIRECT DISCHARGE AT BYSTANDERS OR ALLOW ANYONE IN FRONT OF UNIT.
8. KEEP MACHINE PROPERLY MAINTAINED AND SERVICED WITH ALL SHIELDS, GUARDS, AND PROTECTIVE DEVICES IN PLACE.

78416

KEEP HANDS, FEET AND ALL  
FOREIGN OBJECTS OUT OF  
THE COLLECTOR (RAKES).  
REPLACE SHEAR BOLTS WITH  
ARIENS SHEAR BOLTS ONLY!

COLLECTOR

ORDER ALL DECALS BY ARIENS PART NUMBER SHOWN

# INSTRUCTIONS FOR SAFE OPERATION



## IMPORTANT

### Safe Operation Practices for Snow Throwers

#### Training

1. Read the owner's manual carefully. Be thoroughly familiar with the controls and the proper use of the equipment. Know how to stop the unit and disengage the controls quickly.
2. Never allow children to operate the equipment. Never allow adults to operate the equipment without proper instruction.
3. Keep the area of operation clear of all persons, particularly small children, and pets.
4. Exercise caution to avoid slipping or falling, especially when operating in reverse.

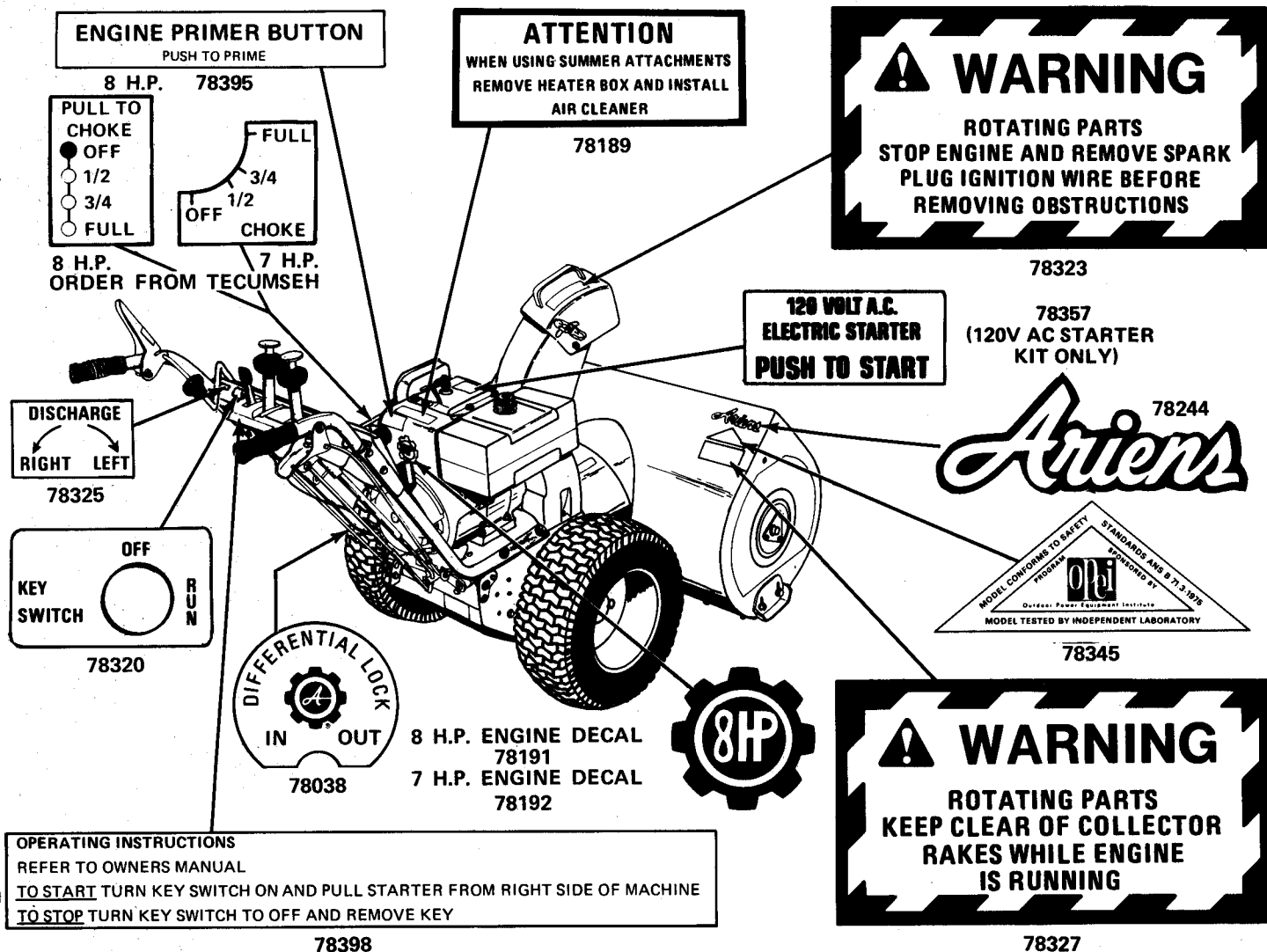
#### Preparation

1. Thoroughly inspect the area where the equipment is to be used and remove all doormats, sleds, boards, wires, and other foreign objects.
2. Disengage all clutches and shift into neutral before starting the engine (motor).
3. Do not operate the equipment without wearing adequate winter outer garments. Wear footwear which will improve footing on slippery surfaces.

4. Handle fuel with care; it is highly flammable.
  - a. Use an approved fuel container.
  - b. Never add fuel to a running engine or hot engine.
  - c. Fill fuel tank outdoors with extreme care. Never fill fuel tank indoors.
  - d. Replace gasoline cap securely and wipe up spilled fuel.
5. Use a grounded three-wire plug-in for all units with electric drive motors or electric starting motors.
6. Adjust the collector housing height to clear gravel or crushed rock surface.
7. Never attempt to make any adjustments while the engine is running (except where specifically recommended by manufacturer).
8. Let engine and machine adjust to outdoor temperatures before starting to clear snow.

#### Operation

1. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
2. Exercise extreme caution when operating on or crossing gravel drives, walks, or roads. Stay alert for hidden hazards or traffic. Do not carry passengers.
3. After striking a foreign object, stop the engine, remove the wire from the spark plug, thoroughly inspect the snow thrower for any damage, and repair the damage before re-starting and operating the snow thrower.



ORDER ALL DECALS BY ARIENS PART NUMBERS SHOWN

## BE AWARE OF SAFETY DECALS

- If the unit should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.
- Stop the engine whenever you leave the operating position, before unclogging the collector/impeller housing or discharge guide, and when making any repairs, adjustments, or inspections.
- When clearing, repairing, or inspecting, make certain the collector/impeller and all moving parts have stopped. Disconnect the spark plug wire, and keep the wire away from the plug to prevent accidental starting.
- Do not run the engine indoors, except when starting the engine and for transporting the snow thrower in or out of the building. Open the outside doors; exhaust fumes are dangerous.
- Do not clear snow across the face of slopes. Exercise extreme caution when changing direction on slopes. Do not attempt to clear steep slopes.
- Never operate the snow thrower without proper guards, plates, or other safety protective devices in place.
- Never operate the snow thrower near glass enclosures, automobiles, window wells, drop-offs, etc, without proper adjustment of the snow discharge angle. Keep children and pets away.
- Do not overload the machine capacity by attempting to clear snow at too fast a rate.

- Never operate the machine at high transport speeds on slippery surfaces. Use care when backing.
- Never direct discharge at bystanders or allow anyone in front of the unit.
- Disengage power to the collector/impeller when snow thrower is transported or not in use.
- Use only attachments and accessories approved by the manufacturer of snow thrower (such as wheel weights, counterweights, cabs, etc).
- 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.

### Maintenance and Storage

- Check shear bolts, engine mounting bolts, etc, at frequent intervals for proper tightness to be sure the equipment is in safe working condition.
- Never store the machine with fuel in the fuel tank inside a building where open flame or sparks are present. Allow the engine to cool before storing in any enclosure.
- Always refer to owner's manual instructions for important details if the snow thrower is to be stored for an extended period.
- Run the machine a few minutes after throwing snow to prevent freeze-up of the collector/impeller.

## CONTROLS

- ① **SPEED SELECTOR:** Sets speed of tractor. Change speed or shift to reverse.
- ② **THROTTLE:** Controls engine speed (Move throttle to fast position after engine has stopped to prevent possible freezing of the throttle cable in stop position.)
- ③ **TRACTOR CLUTCH LEVER:** Activates tractor drive. Depress to move tractor, release to disengage drive and stop machine.
- ④ **HAND CRANK:** Turns discharge chute 230° so snow can be thrown away from area being cleared.
- ⑤ **ATTACHMENT CLUTCH:** Activates auger and impeller.
- ⑥ **CHOKE:** Move choke to choke position to start engine. Models 924032 and 924033 have choke on top of heater box. Models 924024, 924025, 924026 and 924027 have choke at rear of heater box.
- ⑦ **PRIMER BUTTON:** Injects gas directly into carburetor. (1) Move choke lever to full (2) Push primer bulb (3) Pull starter rope three times. If engine fails to start, repeat step 2. Used on 8 H.P. only.
- ⑧ **INTERLOCK LEVER:** To minimize the chances for injury while the rakes and blower are operating (Attachment Clutch ⑤ engaged) either the interlock lever ⑧ or the tractor clutch lever ③ must be depressed or the engine will stop.
- ⑨ **KEY SWITCH:** Prevents unauthorized use. Turn on to run, turn off to stop.
- ⑩ **STARTER BUTTON:** The starter button ⑩ is found on all units equipped with electric starters. Plug the 120 volt cord into the starter block; plug the opposite end into a convenient 120 volt outlet. Push the starter button to start the engine.

## OPERATION

### BEFORE STARTING:

Fill crankcase ⑫ with Ariens Sno-Thro oil 5W-20 when using Sno-Thro.

Fill fuel tank ⑬ with fresh, clean, regular gasoline.

Do not mix oil with gasoline.

Make visual check with regards to safety precautions, obstructions, lubrication and maintenance.

### NOTE:

This Sno-Thro is equipped with an interlock system for the protection of the operator. Any time the rakes and impeller fan are operating (anytime the Attachment Clutch is engaged) either the Interlock Lever on the left handlebar or the



### CAUTION:

A high speed impeller rotates inside this housing to throw the snow. **NEVER** reach or push any object into the discharge chute with the impeller rotating!

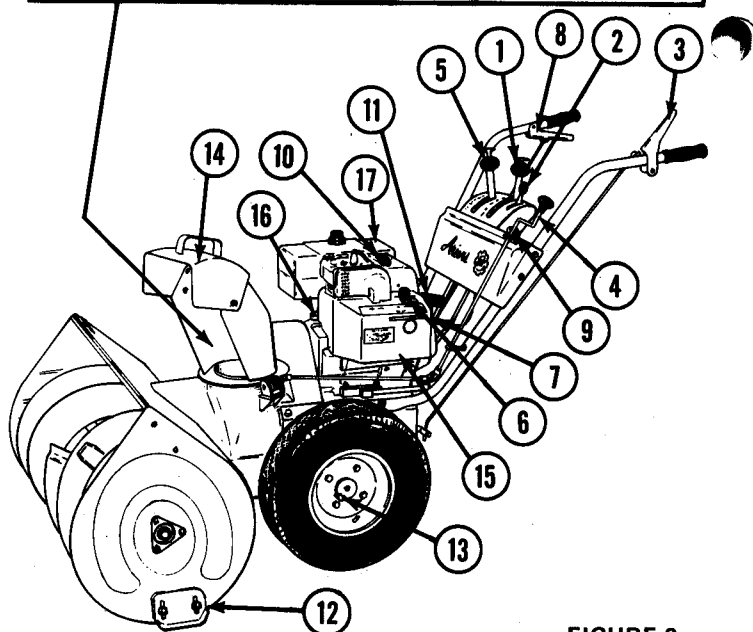


FIGURE 6

tractor clutch lever on the right handlebar must be depressed or the engine will stop. **THE OPERATOR MUST REMAIN BEHIND THE HANDLEBARS, HOLDING ONE OR THE OTHER OF THESE LEVERS WHILE THE ATTACHMENT CLUTCH IS ENGAGED.**

### DIFFERENTIAL LOCK:

The differential lock ⑬ is located in the left wheel hub. When preparing to blow snow, turn the differential lock till it snaps IN. In this position the differential is locked and both wheels turn together. Power is applied equally to both. To use the differential, pull back on the knob and turn it to the OUT position. This unlocks the differential for easy turning with mower, vacuum or broom attachments.

### CAUTION:

If tractor is to be used with lawn attachments, be sure heater box ⑮ is removed and air cleaner installed. Follow detailed instructions packed with attachment.

### TO START:

#### NOTE:

Check for frozen throttle control and for frozen impeller fan before starting engine. These problems arise in wet, slushy snow. If the impeller is frozen, it is best freed by thawing in a heated garage or other building. A frozen throttle control may be freed by starting the engine and letting it run long enough to heat up the carburetor and loosen the cable. The best solution for both problems is preventing freezing. Always return the throttle control to FAST position after use. Allow the engine to run for a short time before shutting down to throw the remaining slush and water out of the blower housing and thus prevent freezing of the impeller fan.

Controls are identified in Figure 6.

Turn key ⑨ to "run" position.

Move attachment clutch ⑤ to OUT position.

Move choke lever ⑥ to CHOKE position.

Move throttle (2) to FAST position.

Push primer bulb (7) 2 times (on the 8 hp only.)

Pull recoil starter (11) to start engine. If the machine is equipped with an electric starter attach the starter cable to the starter switch, plug the cable into any convenient 120 volt electrical outlet - and depress the starter button to crank and start the engine. Follow the starter manufacturers instructions supplied with the starter.

Move choke (6) to no choke gradually as engine warms up.

#### **TO TRANSPORT:**

Move attachment clutch (5) to OUT position.

Move speed selector (1) to desired speed.

Press down on handle bars to raise front of Sno-Thro slightly off the ground.

Depress tractor clutch lever (3) to transport unit.

#### **TO OPERATE:**

Move deflector (14) to desired height.

Turn hand crank (4) to direct discharge chute.

Squeeze Interlock Lever (8).

Move attachment clutch (5) to IN position.

Move speed selector (1) to desired speed.

Move throttle (2) to desired speed.

Depress the tractor clutch lever (3) to move tractor.

Speed of the machine is controlled by the throttle and speed selector.

#### **TO STOP:**

Release tractor clutch lever (3) Allow the Sno-Thro to run for a short time to throw out slush and water and prevent freezing the impeller fan.

Disengage attachment clutch (5)

Turn key (9) to "off" position to stop.

Move throttle to fast position after engine has stopped.

## **MAINTENANCE**

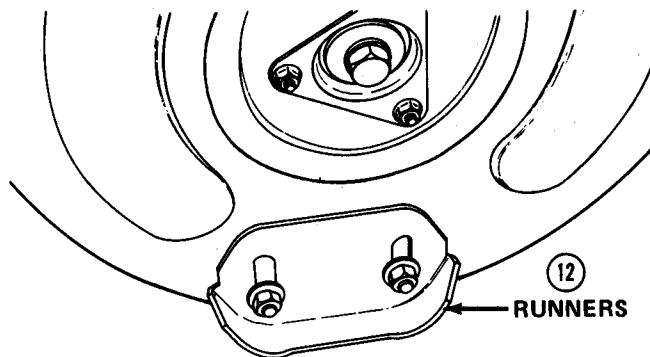
### **SHEAR BOLT REPLACEMENT**

Occasionally a small object may enter the collector and jam the rakes. When this occurs, the shear bolts securing the rakes to the shaft will break and allow the rake to turn freely on the shaft preventing damage to the gear drive. When this happens, turn off the engine, remove wire from spark plug, remove the broken shear bolt and replace with a new ARIENS shear bolt. Use of any other type of shear bolt may result in severe damage to the machine. **USE ONLY ARIENS SHEAR BOLTS FOR REPLACEMENT.**

### **RUNNERS AND SCRAPER BLADE**

The runners (12) on each side of the blower housing, and the scraper blade, along the back of the blower housing, are all adjustable to suit conditions. Raising or lowering the runners controls the distance the scraper blade is held above the surface being cleared. Runners are adjusted by loosening the two nuts securing each runner. Move the runner to the desired position and retighten the nuts. Be sure to adjust both runners

to the same height to keep blower housing level. Uneven runners make the machine difficult to steer and will result in an uneven clearing job.



**FIGURE 7**

Adjustment of the runners is critical to good cleaning. If the machine is to be used on a gravel surface lower the runners so the blower will not pick up gravel then after the remaining snow is packed down, the runners may be raised for close scraping. On smooth concrete or blacktopped surfaces, the runners may be raised so the scraper blade rests on the surface and scrapes clean.

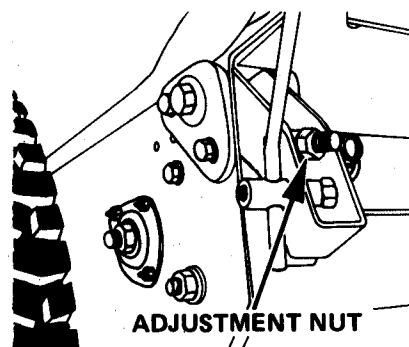
The scraper is adjustable so it may be lowered to compensate for wear. If the blade is allowed to wear down too far the blower housing may be damaged.

### **DRIVE DISC ADJUSTMENT**

#### **NOTE:**

Before adjusting the drive disc, be sure the clutch lever is adjusted as described in paragraph 4, on page 15, DEALER SET-UP AND PRE-SERVICE.

A drive disc adjustment is provided to compensate for wear on the friction wheel. If slippage occurs when the tractor clutch is engaged, tighten the drive disc adjustment. This adjustment is accessible without removing the bottom cover. See Figure 8.



**FIGURE 8**

Adjust as follows: Place speed selector (1) between first and reverse. Tip machine forward on blower housing and brace securely. Tighten the adjustment nut while turning the wheels until the wheels begin to bind. Back off 3 turns. Wheels should then turn easily.

## CHUTE CRANK ADJUSTMENT

In the event the chute crank fails to rotate freely, loosen the nut securing the worm clevis to the bracket. This hole in the bracket is slotted to permit adjustment. Position the worm so there is a little clearance between worm and the gear teeth on the blower. Tighten the nut. Rotate the discharge chute through its full travel to see that it turns easily. Re-adjust if required. Lubricate as described under LUBRICATION for smooth operation.

## BELT REPLACEMENT



### CAUTION

Since replacing the belts will involve turning the engine over with the starter, the spark plug wire must be disconnected during this procedure.

The drive belt and the attachment drive belt are both accessible by removing the blower housing as follows:

1. Remove the hair pin cotter in the chute crank assembly, Figure 5. Separate the chute crank.
2. Remove the two flanged whizlock screws securing the belt guard to the tractor. Remove the belt guard.
3. Remove the cap screws on each side that secures the blower housing to the frame. As the blower housing and tractor are tipped apart, roll the belt off the engine sheave between the sheave and belt finger. This can be easily done by pulling the recoil starter rope to rotate the engine sheave. With the belt disconnected, the blower housing may then be lifted from the frame.

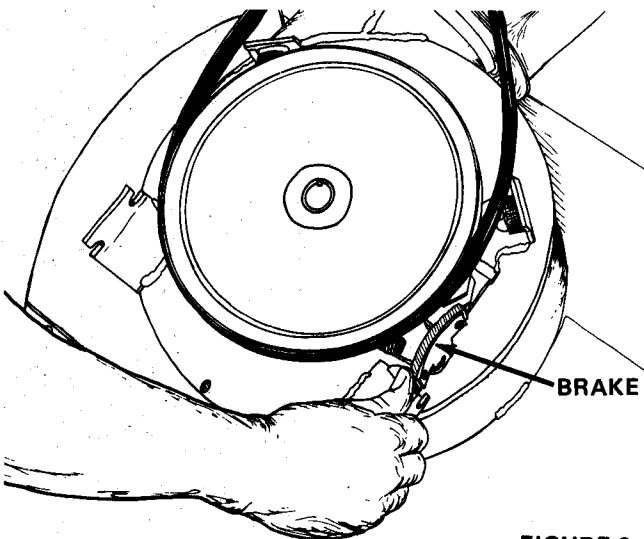


FIGURE 9

## REPLACEMENT OF THE ATTACHMENT DRIVE BELT

The sno-thro attachment drive belt is on the sheave on the blower housing. To replace this belt, hold the impeller brake away from the belt and slip the belt from the sheave. See Figure 9.

Replace the belt by slipping it into position on the sheave; positioning the brake shoe on the belt.

## REPLACEMENT OF TRACTOR DRIVE BELT

The drive belt is held in place on the sheaves by an idler pulley. To free the belts, the idler can be pulled from the belts and the belts removed from the sheaves.

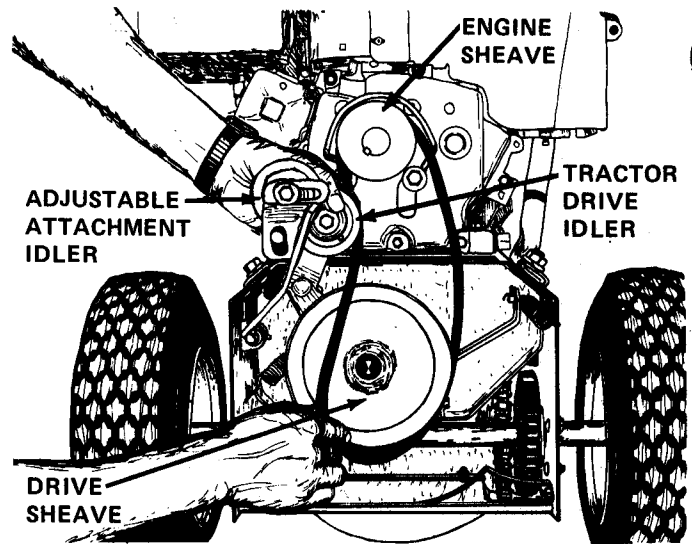


FIGURE 10

To replace the belts, position on the engine sheave first, then on the drive sheave. Position the idler carefully on the belt.

With the belt in position and the idler in place, check the belt alignment. The engine sheave and the tractor sheave must align with one another WITH THE TRACTOR CLUTCH ENGAGED. If the sheaves are not properly aligned, loosen the setscrews on the engine sheave and align the sheaves. Re-tighten the setscrews. Check the belt alignment WITH THE CLUTCH ENGAGED.

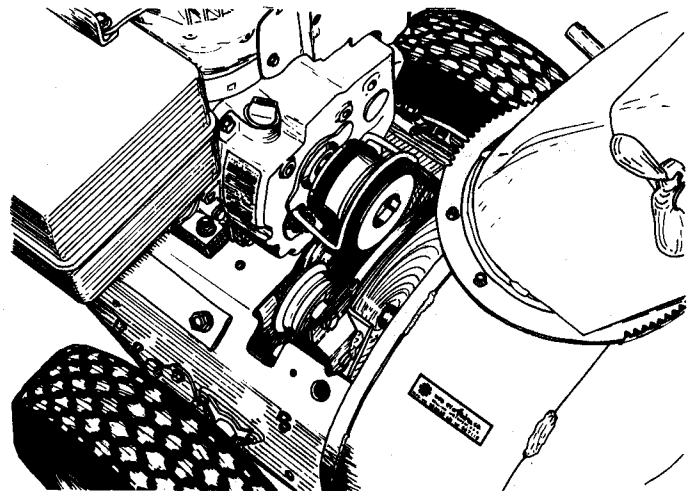


FIGURE 11

## REPLACEMENT OF BLOWER HOUSING

Position the blower housing on the rod in the tractor frame and secure as follows:

1. Tip the blower and tractor together. Hold the attachment drive belt up as the units are tipped together. Secure with two cap screws into the frame. As the cap screws are tightened, hold up on the handlebars to be sure the two units are secured together.

2. Roll the attachment belt on to the engine sheave. Pull the recoil starter rope to turn the engine sheave and roll the belt into place under the belt finger.
3. Check the belt finger spacing. There should be 1/8 inch clearance all around the belt finger and belt with the attachment clutch engaged. Readjust the belt finger if required.
4. Check the sheave alignment with the attachment belt in place. Readjust the position of the engine sheave as required to align the sheaves.
5. The idler on the attachment belt is adjustable. If the belt slips, adjust the idler in the slot in the idler arm to apply more tension to the belt. Belt should declutch when attachment clutch is disengaged.
6. Replace the belt guard and chute crank assemblies. Re-adjust the chute crank as described in the paragraph above. Replace the spark plug wire.

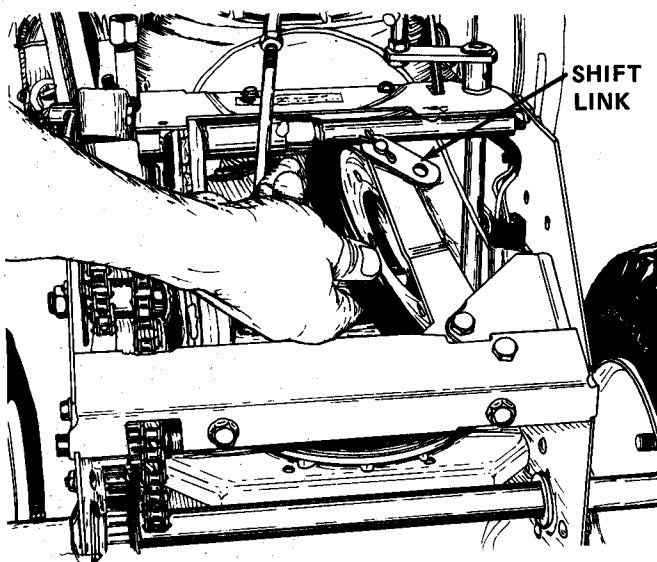


FIGURE 12

#### REPLACEMENT OF FRICTION WHEEL

1. Tip the machine up on the blower housing and brace securely. Remove two cap screws and loosen the other two, securing the bottom cover and remove the cover.
2. Place the speed selector in FIRST position. Push forward on the clutch lever to hold the friction wheel while the five bolts securing the friction wheel to the hub are loosened. Remove the five bolts, shift to THIRD position and disconnect the shift link, See Figure 12.
3. Position a new friction wheel on the hub and replace the five bolts. Tighten these bolts to 8-10 foot pounds with a torque wrench. Replace the shift links.
4. Replace the bottom cover. Readjust the drive disc as described in the DRIVE DISC ADJUSTMENT on page 5.

#### DRIVE CHAIN ADJUSTMENT

If sno-thro is difficult to push because of tight or interfering drive chains, proceed as follows:

1. Stand unit up on end and remove bottom cover.
2. Chain tension is adjusted by loosening the two nuts on the 524008 Reduction Shaft. Adjust reduction sprocket up or down in slot to obtain proper tension (chain should be snug). Retighten both nuts. Torque to 170-180 inch lbs.
3. Chain interference with the 3085 Bearing Flange on 24045 Hex Shaft occurs if there is no 64058 Washer between the 10276 Sprocket and 54080 Bearing. Install washer.

## LUBRICATION

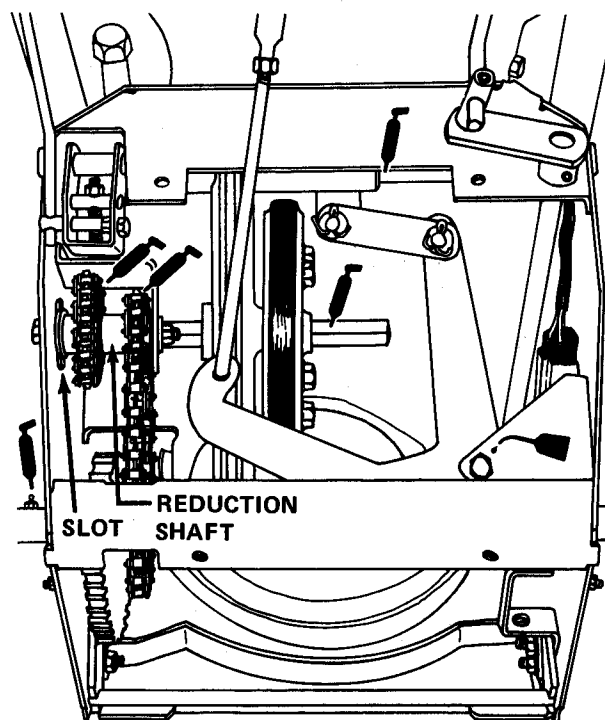


FIGURE 13

#### ENGINE

Fill crankcase (16) with Ariens Sno-Thro oil 5W-20 when using Sno-Thro.

Use Ariens Gard-N-Yard oil MS classification SAE-30 when using lawn attachments.

Fill fuel tank (17) with fresh, clean, regular gasoline.

#### NOTE:

For detailed instructions on engine refer to manufacturer's booklet packed with the machine.

## TRACTOR DRIVE

At start of season, grease gears, hex and axle shaft as indicated in Figure 8. Use Ariens Moly Lithium grease.

Put two or three drops of light oil on speed selector and other linkage points. **CAUTION:** Do not allow grease or oil to come in contact with friction wheel, drive disc or belts.

## SNO-THRO UNIT

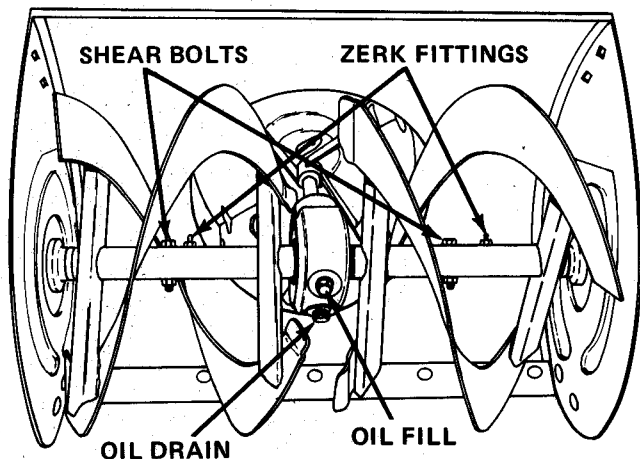
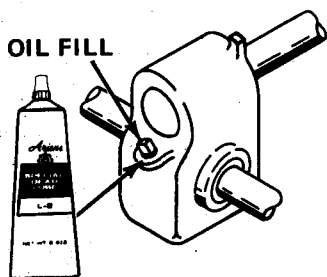


FIGURE 14

### NOTE

When replacing a worn or broken shear bolt, use **ARIENS** shear bolts only.

Grease rake shaft periodically or each time a shear bolt is replaced. At the end of the season, remove shear bolts, grease rake shaft, turn rakes on shaft several times and replace shear bolts. Use Ariens Moly Lithium grease.

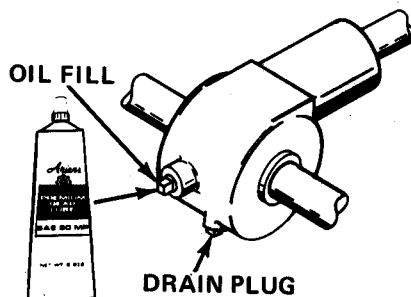


MODEL 924024 and 924029  
GEARCASE

FIGURE 15

## MODEL 924024, 924029 GEARCASE

Check oil level periodically. Oil level must be up to oil fill hole. Change oil every 25 hours or once each season which ever comes first. Fill with Ariens Special L-2 Gear Lubricant. Approximately 8 oz.



MODEL 924032, 924026  
and 924028 GEARCASE

FIGURE 16

## MODELS 924032, 924026 and 924028 GEARCASE

Check oil level periodically. Oil level must be up to oil fill hole. Change oil every 25 hours or once each season which ever comes first. Fill gear case by tipping Sno-Thro back on handlebars. Remove the fill and drain plugs. Fill with Ariens Premium Gear Lube (SAE-90-MP) through the fill hole until it runs out the drain hole. Replace drain and fill plugs.

## STORAGE

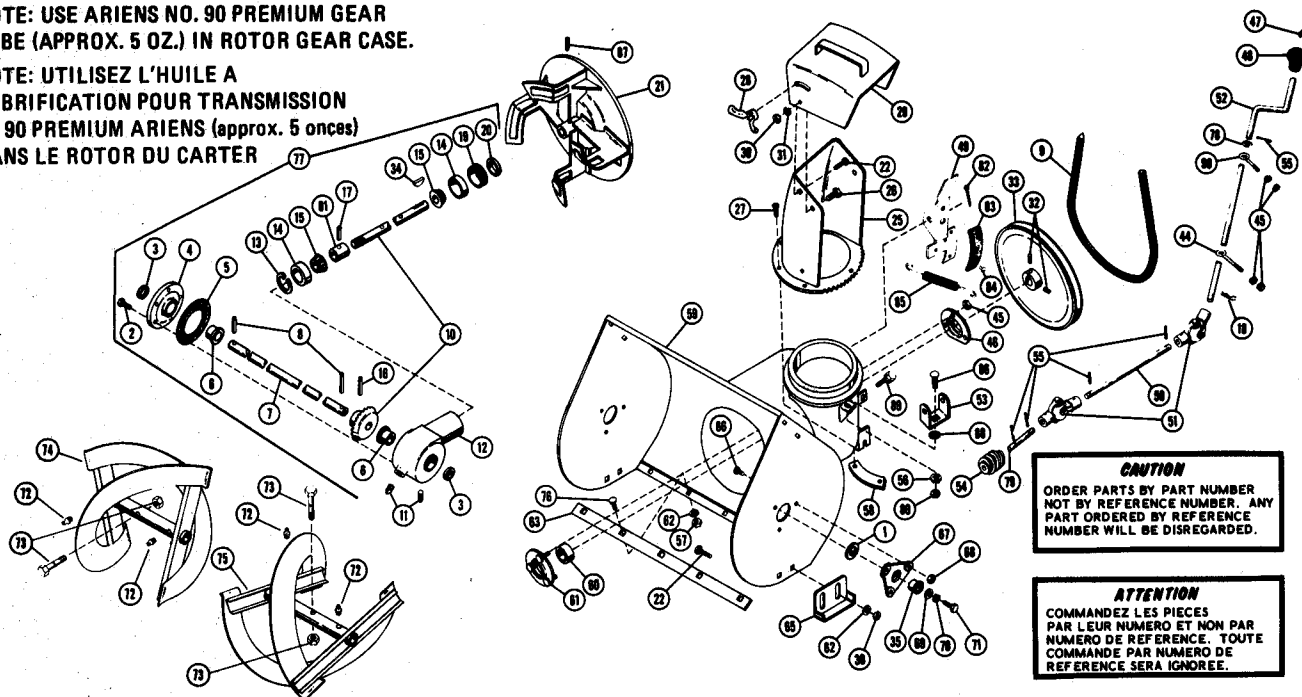
**ENGINE:** Follow detail instructions in the engine manual.  
**SNO-THRO:** Lubricate, clean and repaint as necessary.  
Cover and store in dry place.



**24" SNO-THRO PARTS LIST FOR MODELS 924026, 924028, 924032**  
**SOUFFLEURS SNO-THRO DE 24" MODELES 924026, 924028, 924032**

NOTE: USE ARIENS NO. 90 PREMIUM GEAR LUBE (APPROX. 5 OZ.) IN ROTOR GEAR CASE.

NOTE: UTILISEZ L'HUILE A LUBRIFICATION POUR TRANSMISSION N° 90 PREMIUM ARIENS (approx. 5 onces) DANS LE ROTOR DU CARTER



REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	QTY.	REF. NO.	PART NO.	STOCK CODE	DESCRIPTION	QTY.
No DE REF.	No DE PIÈCE	CODE D'INV.		QUANTITÉ	No DE REF.	No DE PIÈCE	CODE D'INV.		QUANTITÉ
1	64046	M	Washer 1.505 OD. x 1.005 ID.	2	52	24329	S	Chute Control Crank	1
2	70012	M	Flange Whizlock Screw	5	53	22123	S	Worm Clevis	1
3	56061	M	Seal	2	54	22110	S	Worm Gear	1
4	10181	S	Case Cover	1	55	58034	F	Roll Pin 1/8 x 3/4	5
5	10108	M	Gasket	1	56	63023	M	Lockwasher	1
6	55035	M	Bushing	2	57	65042	F	Locknut	5
7	10299	S	Rake Shaft	1	58	10438	S	Chute Clamp	3
8	58030	M	Roll Pin 3/16 x 1-1/2	2	59	524021	O	Blower Housing (24")	1
9	72083	F	V Belt	1	60	54063	M	Ball Bearing	1
10	524015	S	Worm Gear and Shaft	1	61	3017	M	Bearing Flange	1
11	1138	S	Pipe Plug	2	62	64002	F	Washer 5/16	9
12	10180	S	Gear Case	1	63	10164	F	Scraper Blade	1
13	57032	M	Snap Ring	1	65	10165	F	Runner	2
14	54044	M	Bearing Cup	2	66	70011	M	Ribbed Neck Bolt 1/4 x 5/8	6
15	54045	M	Bearing Cone	2	67	10184	M	Bearing Support	2
16	58022	M	Roll Pin	1	68	65056	F	Whizlock Nut 1/4-20	6
17	58007	F	Roll Pin 1/4 x 1-1/4	1	69	64047	F	Washer 1.441 O.D. x .5111	2
18	67010	S	Hair Cotter	1	70	63006	F	Lockwasher 1/2	2
19	10371	S	Adjustment Plug	1	71	59024	M	Cap Screw 1/2-13 x 1 Hex. Hd.	2
20	56062	F	Seal	1	72	22093	F	Zerk Fitting	4
21	24237	M	Fan	1	73	510015	F	Shear Bolt	2
22	62010	M	Carriage Bolt 3/8-16 x 3/4	5	74	510007	O	R.H. Rake	1
25	24276	S	Discharge Chute	1	75	510008	O	L.H. Rake	1
26	59023	F	Cap Screw 3/8-16 Hex. Hd.	2	76	62026	M	Carriage Bolt 5/16-18 x 1/2	5
27	74054	F	Taptite No. 10-24 x 3/8	6	77	524016	S	Gear Case Assembly	1
28	10193	M	Wing Nut	1	78	64043	M	Washer	1
29	510012	M	Deflector, W/Decal	1	79	10494	S	Worm Shaft	1
30	65039	F	Locknut 3/8-16	6	80	65015	F	Nut 5/16-18	1
31	63004	F	Lockwasher 3/8	2	81	10107	M	Bearing Spacer	1
32	60012	F	Setscrew 5/16-18 x 3/8	2	82	67004	F	Cotter Pin	1
33	73042	S	Sheave	1	83	22178	M	Lining	1
34	66001	M	Key, Woodruff No. 11	1	84	68082	M	Rivet	2
35	55035	M	Bushing	2	85	83164	M	Spring	1
44	24327	M	Eyebolt	1	86	62011	F	Carriage Bolt 5/16-18 x 3/4	1
45	65040	F	Locknut 1/4-20	7	87	58037	M	Roll Pin 1/4 x 1-3/4	2
46	10142	M	Bearing Flange	1	88	63032	M	Lockwasher	1
47	10198	S	Cap	1	89	70031	M	Flange Whizlock Screw	2
48	75083	S	Grip	1	90	10289	M	Eyebolt	1
49	624035	S	Brake, w/lining	1					
50	24328	S	Rod	1					
51	622010	M	Universal Joint	2					

NOTE: FOR DECALS SEE PAGES 2 & 3  
 POUR DECALQUES VOIR P. 2 & 3

**SUGGESTED PARTS STOCKING CODE**

F - FAST      S - SLOW  
 M - MEDIUM      O - Customer Order Only

**CODE SUGGERE D'INVENTAIRE DES PIECES**

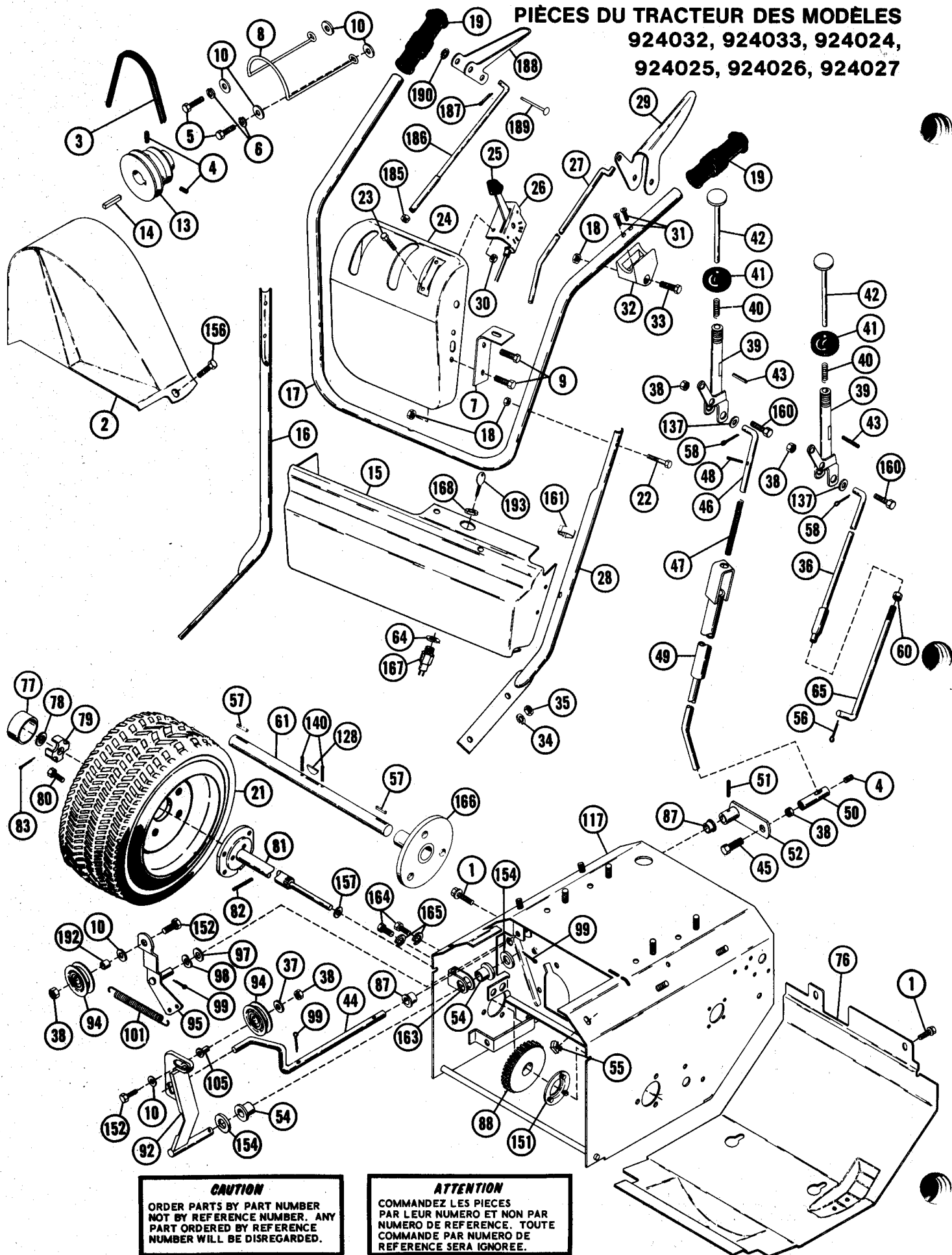
F - FAST (rapide)      S - SLOW (lent)  
 M - MEDIUM (moyen)      O - Commande du client seulement

TRACTOR PARTS FOR MODELS 924032, 924033, 924024, 924025, 924026, 924027

PIÈCES DU TRACTEUR DES MODÈLES

924032, 924033, 924024,

924025, 924026, 924027



**CAUTION**

ORDER PARTS BY PART NUMBER  
NOT BY REFERENCE NUMBER. ANY  
PART ORDERED BY REFERENCE  
NUMBER WILL BE DISREGARDED.

**ATTENTION**

COMMANDEZ LES PIÈCES  
PAR LEUR NUMÉRO ET NON PAR  
NUMÉRO DE RÉFÉRENCE. TOUTE  
COMMANDE PAR NUMÉRO DE  
RÉFÉRENCE SERA IGNORÉE.

# TRACTOR PARTS FOR MODELS 924032, 924033, 924024, 924025, 924026, 924027

## PIÈCES DU TRACTEUR DES MODÈLES 924032, 924033, 924024, 924025, 924026, 924027

No DE REF.	No DE PIÈCE	CODE D'INV.	DESCRIPTION	QUANTITÉ
				924024 924025 924032 924023 924026 924027
REF. PART NO.	STOCK NO.			QTY. QTY. QTY. 8/32 7/24 8/24

1	70009	M	FLANGE WHIZLOCK SCREW	6	6	6
2	24208	F	OUTER BELT GUARD	1	1	1
3	72066	F	BELT	—	—	—
3	72084	F	BELT	—	1	1
4	60012	M	SETSCREW, 5/16-18 x 3/8	3	3	3
5	59053	M	CAP SCREW, 5/16-16-24 x 3/4 Plated	2	2	2
6	63003	M	LOCKWASHER, 5/16 Plated	2	2	2
7	24025	S	BRACE	1	1	1
8	24253	M	BELT FINGER, Engine	1	1	1
9	59080	M	CAP SCREW, 1/4-20 x 5/8"	3	3	3
10	64002	M	WASHER, 5/16 Wrought	6	6	6
13	24087	S	SHEAVE, Engine	1	1	1
14	66018	M	KEY	1	1	1
15	624063	O	COVER	1	1	1
16	24268	M	LOWER L.H. HANDLEBAR	1	1	1
17	524023	M	UPPER HANDLEBAR W/Decal	1		
17	524019	M	UPPER HANDLEBAR W/Decal		1	1
18	65040	M	LOCKNUT, 1/4-20 Plated	8	8	8
19	75006	M	GRIP	2	2	2
21	610960	S	TIRE & WHEEL ASS'Y.		2	2
			Consists of Following:			
		M	71046 Tire	1		
		S	71052 Rim	1		
		M	71050 Tube	1		
21	603948	S	TIRE & WHEEL ASS'Y.	2		
			Consists of Following:			
		M	71021 Tire	1		
		S	71077 Rim	1		
		M	71087 Tube (available)	1		
22	59050	M	CAP SCREW, 1/4-20 x 1 1/2 Plated	5	5	5
23	61012	M	MACHINE SCREW, 10-24 x 1/2 HH	2	2	2
24	524020	O	DASH	1	1	1
25	75019	M	KNOB	1	1	1
26	69080	F	THROTTLE CONTROL	1		1
26	69180	F	THROTTLE CONTROL		1	
27	24265	M	CLUTCH ROD	1		
27	24244	M	CLUTCH ROD		1	1
28	24267	M	LOWER R.H. HANDLEBAR	1	1	1
29	22071	M	CLUTCH HANDLE	1	1	1
30	65051	M	KEPS NUT 10-24 Plated	2	2	2
31	74039	S	SCREW, Self Tapping	2	2	2
32	22129	S	HANDLE PIVOT	1	1	1
33	59062	M	CAP SCREW	1	1	1
34	63004	F	LOCKWASHER, 3/8 Plated	4	4	4
35	65018	F	NUT	4	4	4
36	24245	S	UPPER SHIFT ROD	1	1	1
37	64007	F	WASHER	1	1	1
38	65042	F	LOCKNUT, 5/16-18 Plated	5	5	5
39	24240	S	CONTROL HANDLE	2	2	2
40	83015	S	SPRING, Compression	2	2	2
41	10248	S	SHIFT BALL	2	2	2
42	24241	S	SHIFT HANDLE	2	2	2
43	58056	F	ROLL PIN, 1/4 x 1 1/2	2	2	2
44	24083	O	ACTIVATING SHAFT	1	1	1
45	59022	F	CAP SCREW, 5/16-18 x 3/4 Plated	1	1	1
46	24096	S	UPPER ATTACHMENT Clutch Rod	1	1	1
47	83095	S	SPRING, Compression	1	1	1
48	58034	F	ROLL PIN, 1/8 x 3/4	1	1	1

### SUGGESTED PARTS STOCKING CODE

F — FAST      S — SLOW  
M — MEDIUM      O — CUSTOMER ORDER ONLY

NOTE: FOR DECALS SEE PAGES 2 & 3

No DE REF.	No DE PIÈCE	CODE D'INV.	DESCRIPTION	QUANTITÉ
				924024 924025 924032 924023 924026 924027
REF. PART NO.	STOCK NO.			QTY. QTY. QTY. 8/32 7/24 8/24

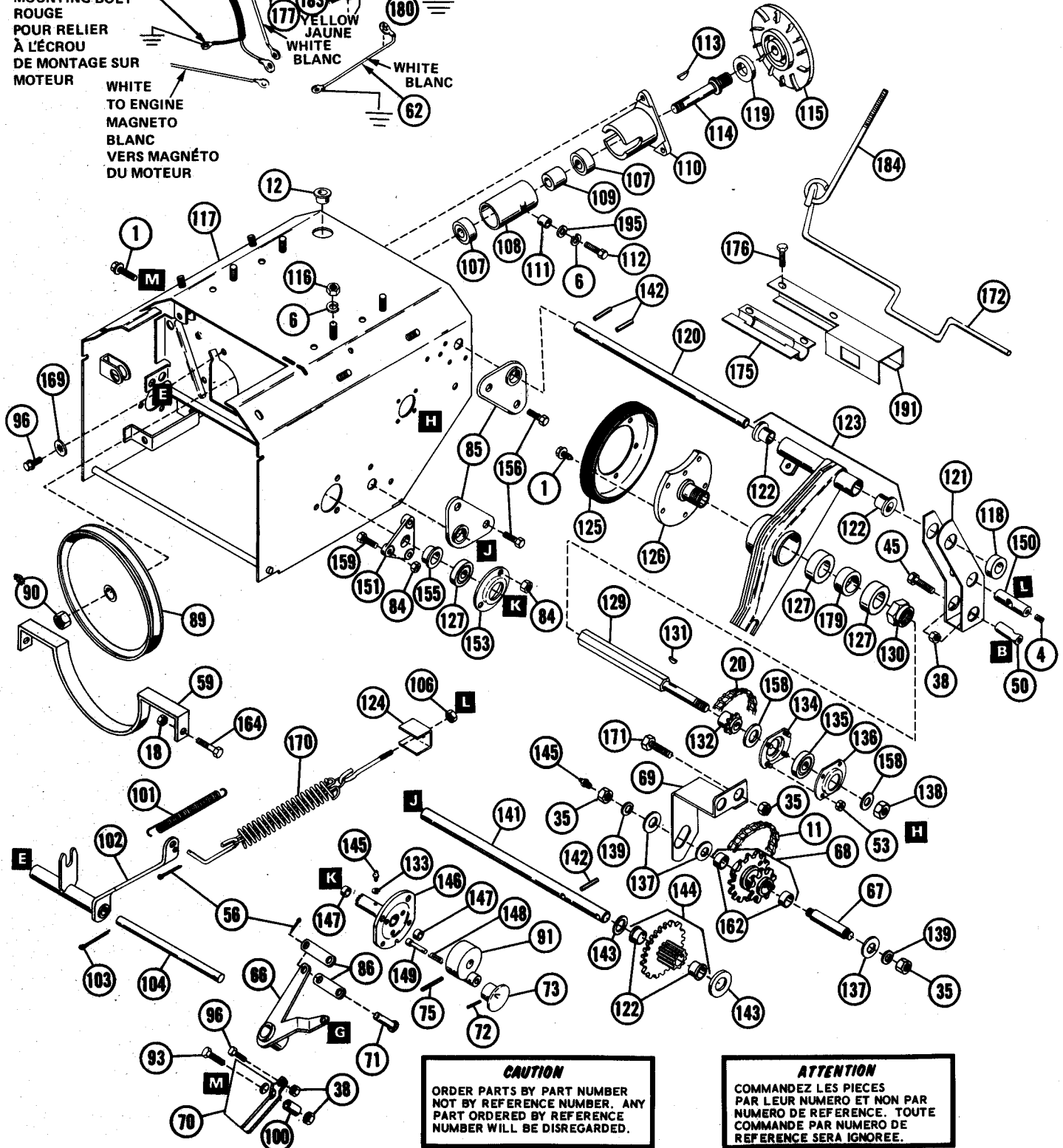
49	24243	S	LOWER ATTACHMENT Clutch Rod	1	1	1
50	22135	M	ROD ADAPTOR	1	1	1
51	58033	F	ROLL PIN, 5/32 x 3/4	1	1	1
52	24157	S	LEVER	1	1	1
54	55036	F	FLANGE BUSHING	2	2	2
55	70026	M	NUT RETAINER	2	2	2
56	67001	F	COTTER PIN 3/32 x 3/4 Plated	1	1	1
57	66011		KEY, Feather		2	
58	67018	F	COTTER PIN	2	2	2
60	65031	M	NUT 5/16-24 Plated	1	1	1
61	24322		AXLE		1	
64	63019	O	LOCKWASHER, Special	1	1	1
65	24247	S	LOWER SHIFT ROD	1	1	1
76	24234	O	BOTTOM COVER	1	1	1
77	3377	O	HUB CAP	1	2	1
78	10366	S	PUSHNUT	1		1
79	3376	S	SPINDLE CUP	1	2	1
80	70032	S	WHEEL BOLT 1/2 - 20	8	6	6
81	24117	O	R.H. AXLE SHAFT	1		
81	10370	O	R.H. AXLE SHAFT			1
82	58003	F	ROLL PIN 3/16 x 1-1/4	1		1
83	67014	M	COTTER PIN		2	
87	55037	M	FLANGE BUSHING	2	2	2
88	612999	S	DIFFERENTIAL ASS'Y.	1	1	1
88	10211	S	SPUR GEAR		1	
92	24226	S	IDLER ARM	1	1	1
94	12132	S	IDLER	2	2	2
95	24222	S	IDLER ARM	1	1	1
97	64052	M	WASHER, Special, Plated	1	1	1
98	10260	S	WAVE WASHER	1	1	1
99	67004	F	COTTER PIN, 1/8 x 1 Plated	3	3	3
101	83094	S	SPRING, Extension	1	1	1
105	12131	S	BEARING SPACER	1	1	1
117	24274	O	FRAME		1	
117	24275	O	FRAME	1		1
128	66012	M	KEY, Woodruff SAE 91		1	
137	64093	F	WASHER	2	2	2
140	58016	S	ROLL PIN		2	
151	3017	S	BEARING FLANGE	2		
152	59069	M	CAP SCREW	2	2	2
154	64078	F	WASHER	2	2	2
156	70015	F	FLANGE WHIZLOCK SCREW	2	2	2
157	64036	F	WASHER	1	1	1
160	59057	M	CAP SCREW, 5/16-18 x 2	2	2	2
161	69012	O	CLIP	1	1	1
163	24225	O	BRACKET	1	1	1
164	59028	M	CAP SCREW	2	2	2
165	63002	M	LOCKWASHER	2	2	2
166	24323	M	AXLE HUB		2	
167	11134	M	SWITCH	1	1	1
168	65075	M	NUT, Special	1	1	1
185	65032	F	NUT, Hex	1	1	1
186	24221	S	UPPER ROD, Interlock	1	1	1
187	67024	F	COTTER PIN	1	1	1
188	22147	M	HANDLE, Interlock	1	1	1
189	22148	M	PIN, Pivot	1	1	1
190	22153	F	PUSHNUT	1	1	1
192	11031	S	SPACER	1	1	1
193	13157	S	KEY	1	1	1

### CODE SUGGÉRÉ D'INVENTAIRE DES PIÈCES

F — FAST (rapide)      S — SLOW (lent)  
M — MEDIUM (moyen)      O — Commande du client seulement

NOTE: DÉCALQUES (voir p. 2 & 3)

**PIÈCES DU TRACTEUR DES MODÈLES  
924032, 924033, 924024,  
924025, 924026, 924027  
DIAGRAMME DU FILAGE ÉLECTRIQUE**



**CAUTION**  
ORDER PARTS BY PART NUMBER  
NOT BY REFERENCE NUMBER. ANY  
PART ORDERED BY REFERENCE  
NUMBER WILL BE DISREGARDED.

**ATTENTION**  
COMMANDEZ LES PIÈCES  
PAR LEUR NUMÉRO ET NON PAR  
NUMÉRO DE RÉFÉRENCE. TOUTE  
COMMANDE PAR NUMÉRO DE  
RÉFÉRENCE SERA IGNORÉE.

# TRACTOR PARTS FOR MODELS 924032, 924033, 924024, 924025, 924026, 924027 AND WIRING DIAGRAM

## PIÈCES DU TRACTEUR DES MODÈLES 924032, 924033, 924024, 924025, 924026, 924027 DIAGRAMME DU FILAGE ÉLECTRIQUE

No DE No DE CODE REF. PIÈCE D'INV.					QUANTITÉ					No DE No DE CODE REF. PIÈCE D'INV.					QUANTITÉ				
DESCRIPTION					924024	924025	924032	924026	924027	DESCRIPTION					924024	924025	924032	924026	924027
REF. PART STOCK NO. NO. CODE					QTY. 8/32	QTY. 7/24	QTY. 8/24					REF. PART STOCK NO. NO. CODE					QTY. 8/32	QTY. 7/24	QTY. 8/24
1 70009 M	FLANGEWHIZLOCK SCREW	7	7	7				122 55026 M	FLANGE BUSHING	4	4	4							
4 60012 M	SETSCREW, 5/16-18 x 3/8	1	1	1				123 524011 O	DISC CARRIER	1	1	1							
6 63003 M	LOCKWASHER, 5/16 Plated	5	5	5				124 10542 S	ADAPTOR SPACER	1	1	1							
11 24074 M	ROLLER CHAIN, 38P	1	1	1				125 3003 F	FRICTION WHEEL	1	1	1							
12 75050 M	SNAP BUSHING	1	1	1				126 24075 S	FRICTION WHEEL HUB	1	1	1							
18 65040 M	LOCKNUT, 1/4-20 Plated	2	2	2				127 54093 O	RADIAL BEARING	4	2	2							
20 24073 M	ROLLER CHAIN 22P	1	1	1				129 24045 O	HEX SHAFT	1	1	1							
35 65018 F	NUT	4	4	4				130 65086 M	LOCKNUT	1	1	1							
38 65042 F	LOCKNUT, 5/16-18 Plated	3	3	3				131 66015 M	KEY, Woodruff No. 5	1	1	1							
45 59022 F	CAP SCREW, 5/16-18 x 3/4 Plated	1	1	1				132 10276 S	SPROCKET	1	1	1							
50 22135 M	ROD ADAPTOR	1	1	1				133 63025 F	WASHER, Special	1		1							
53 65094 F	LOCKNUT, 10-24	4	4	4				134 3085 S	BEARING FLANGE	1	1	1							
56 67001 F	COTTER PIN, 3/32 x 3/4 Plated	3	3	3				135 54080 S	BEARING	1	1	1							
59 24236 M	BELT FINGER	1	1	1				136 24141 S	BEARING FLANGE	1	1	1							
61 75040 O	PLUG (heater box) (not ill.)	1	1	1				137 64093 F	WASHER	3	3	3							
62 24278 O	GROUND WIRE	1	1	1				138 65054 M	LOCKNUT, 1/2-20, Jam, Plated	1	1	1							
63 22161 O	SHORTING WIRE	1	1	1				139 63014 M	LOCKWASHER	2	2	2							
66 24232 S	SHIFT LEVER	1	1	1				141 24080 S	PINION SHAFT	1	1	1							
67 524008 S	REDUCTION SPROCKET SHAFT	1	1	1				142 58029 F	ROLL PIN, 5/32 x 1	4	4	4							
68 624021 S	REDUCTION SPROCKET SHAFT W/Bushings	1	1	1				143 64039 M	WASHER, Special Plated	2	2	2							
69 24230 S	SUPPORT	1	1	1				144 524002 S	PINION / SPROCKET	1	1	1							
70 24231 O	SHIFT LEVER BRACKET	1	1	1				145 22093 M	ZERK FITTING	2	1	2							
71 12151 S	CLEVIS PIN	2	2	2				146 624012 O	L.H. AXLE	1	1								
72 58032 F	ROLL PIN, 3/32 x 1	1		1				146 610938 O	L.H. AXLE			1							
73 10375 S	KNOB	1		1				147 55029 M	BUSHING	2		2							
75 58042 M	GROOVE PIN, 1/4 x 1 1/4	1		1				148 10374 S	PIN	1		1							
84 65056 F	LOCKNUT, 1/4-20 Plated	6	6	6				149 83007 S	SPRING COMPRESSION	1		1							
85 24077 M	SHAFT SUPPORT	4	4	4				150 24227 S	ADAPTOR	1	1	1							
86 24233 S	SHIFT LINK	2	2	2				151 12023 S	BEARING SUPPORT		2	2							
89 73049 S	SHEAVE	1						153 10142 S	BEARING FLANGE	2									
89 73063 S	SHEAVE		1	1				155 55030 M	FLANGE BUSHING	2		2							
90 65077 F	LOCKNUT, 5/8-18	1		1				155 55039 M	FLANGE BUSHING		2								
91 10372 F	LOCKNUT HUB	1		1				156 70015 F	FLANGE WHIZLOCK SCREW	10	10	10							
93 59136 M	CAP SCREW	1	1	1				158 64058 F	WASHER	2	2	2							
96 59039 M	CAP SCREW, 5/16-18 x 1/2	4	4	4				159 70011 M	RIBBED NECK BOLT		6	6							
100 24115 S	SPACER	1	1	1				162 55040 M	BUSHING	2	2	2							
101 83094 S	SPRING, Extension	1	1	1				164 59028 M	CAP SCREW	2	2	2							
102 24272 O	CLUTCH FORK	1	1	1				169 63018 M	LOCKWASHER, Internal	3	3	3							
103 67002 F	COTTER PIN	2	2	2				170 624027 S	SPRING ASSEMBLY	1	1	1							
104 24069 O	FORK PIVOT ROD	1	1	1				171 74052 F	FLANGE WHIZLOCK SCREW 1/4-20 x 5/8	2	2	2							
106 65062 M	NUT, 5/16-18 Nylock	1	1	1				172 24251 M	SWITCH ACTIVATOR	1	1	1							
107 54039 M	BALL BEARING	2	2	2				173 75045 M	SWITCH BOOT	1	1	1							
108 22002 S	SPINDLE HOUSING	1	1	1				174 25172 M	SWITCH	1	1	1							
109 24155 S	BEARING SPACER	1	1	1				175 24220 O	ROD RETAINER	1	1	1							
110 22003 S	DRIVE SPINDLE HOUSING	1	1	1				176 74054 F	TAPTITE	2	2	2							
111 3034 M	ROLLER	1	1	1				177 22167 O	WIRING HARNESS	1	1	1							
112 59003 M	CAP SCREW, 5/16-18 x 1 Plated	1	1	1				178 69066 S	CLIP	1	1	1							
113 66006 M	KEY, Woodruff No. 3	1	1	1				179 24330	SPACER	1	1	1							
114 24076 S	SPINDLE	1	1	1				180 524010 M	MODULE "T" W/Conn.	1	1	1							
115 10546 M	DRIVE DISC	1	1	1				181 25203 M	CONNECTOR	1	1	1							
116 65015 F	NUT, 5/16-18 Plated	4	4	4				182 59097 F	CAP SCREW	2	2	2							
117 24274 O	FRAME		1					183 65051 M	KEPS NUT	2	2	2							
117 24275 O	FRAME	1		1				184 24219 S	LOWER ROD, Interlock		1	1							
118 24086 M	ROD ADAPTOR SPACER	1	1	1				22152 S	LOWER ROD, Interlock	1									
119 24071 M	DRIVE DISC SPACER	1	1	1				191 24246 S	SWITCH RETAINER	1	1	1							
120 24081 S	CARRIER SHAFT	1	1	1				195 64123	WASHER	1	1	1							
121 24228 O	CLUTCH ENGAGEMENT YOKE	1	1	1															

### SUGGESTED PARTS STOCKING CODE

F - FAST                      S - SLOW  
M - MEDIUM                O - CUSTOMER ORDER ONLY

NOTE: DECALS SEE PAGE 2 & 3.

### CODE SUGGÉRÉ D'INVENTAIRE DES PIÈCES

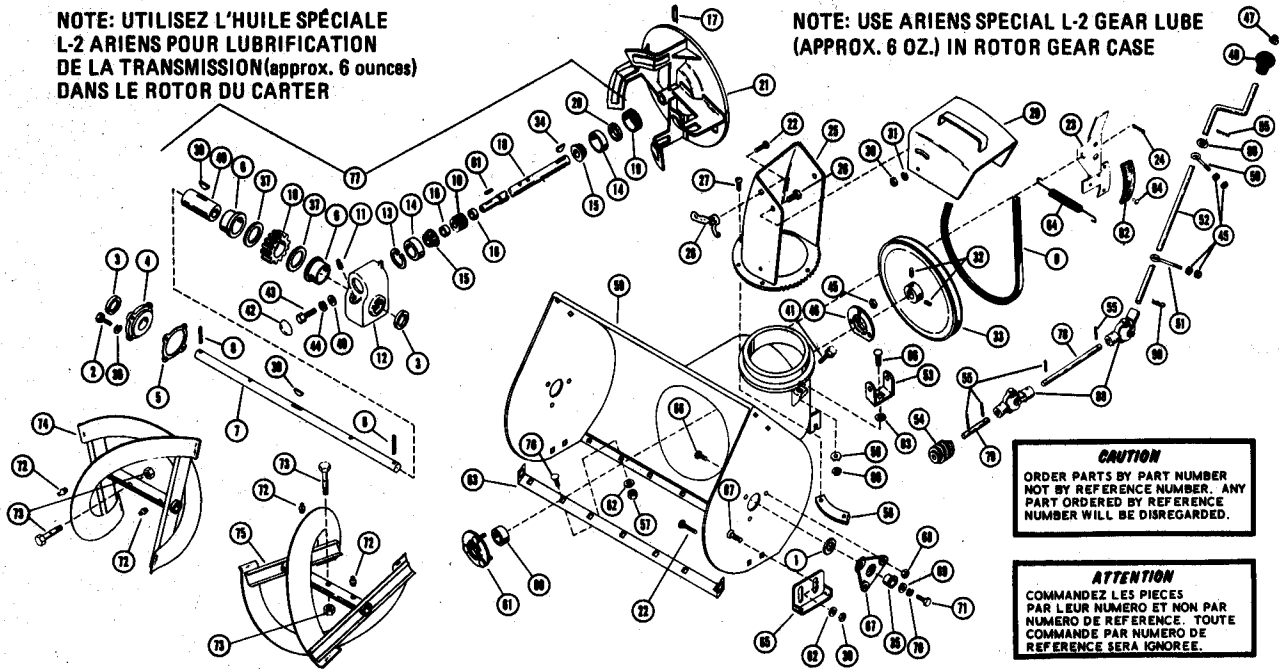
F - FAST (rapide)            S - SLOW (lent)  
M - MEDIUM (moyen)      O - Commande du client seulement

NOTE: DÉCALQUES (voir p. 2 & 3)

**32" SNO-THRO PARTS LIST FOR MODELS 924024 & 924029**  
**SOUFFLEURS SNO-THRO DE 32" MODELES 924024 & 924029**

**NOTE: UTILISEZ L'HUILE SPÉCIALE  
 L-2 ARIENS POUR LUBRIFICATION  
 DE LA TRANSMISSION (approx. 6 ounces)  
 DANS LE ROTOR DU CARTER**

**NOTE: USE ARIENS SPECIAL L-2 GEAR LUBE  
 (APPROX. 6 OZ.) IN ROTOR GEAR CASE**



REF. NO. No DE REF.	PART NO. No DE PIÉCE	STOCK CODE CODE D'INV.	DESCRIPTION	QTY. QUANTITÉ	REF. NO. No DE REF.	PART NO. No DE PIÉCE	STOCK CODE CODE D'INV.	DESCRIPTION	QTY. QUANTITÉ
1	64046	M	Washer 1.505 O.D. x 1.005 I.D.	2	47	10198	S	Cap	1
2	59001	M	Cap Screw 1/4-20 x 3/4 Hex. Hd. Plated	4	48	75083	S	Knob	1
3	56070	M	Seal	2	49	64082	M	Washer	1
4	24013	S	Case Cover	1	50	10289	S	Eyebolt	1
5	2008	M	Gasket	1	51	24327	S	Eyebolt	1
6	55059	M	Bushing	2	52	24329	S	Chute Control Crank	1
7	24065	S	Rake Shaft	1	53	22123	S	Worm Clevis	1
8	58030	M	Roll Pin 3/16 x 1-1/2	2	54	22110	S	Worm Gear	1
9	72072	F	V Belt	1	55	58034	F	Roll Pin 1/8 x 3/4	5
10	524009	S	Worm Gear & Worm	1	56	63023	M	Lockwasher	1
11	1138	S	Pipe Plug	1	57	65042	F	Locknut	7
12	24002	S	Gear Case	1	58	10438	S	Chute Clamp	3
13	57032	M	Snap Ring	1	59	524022	O	Blower Housing (32")	1
14	54044	M	Bearing Cup	2	60	54063	M	Ball Bearing	1
15	54045	M	Bearing Cone	2	61	3017	M	Bearing Flange	1
16	2005	M	Spacer	2	62	64002	F	Washer 5/16	11
17	58015	F	Roll Pin 5/16 x 1-3/4	2	63	24256	F	Scraper Blade	1
18	24062	S	Worm Shaft	1	64	83164	M	Spring	1
19	24015	S	Adjustment Plug	1	65	10165	F	Runner	2
20	56061	F	Seal	1	66	70011	M	Ribbed Neck Bolt 1/4-20 x 5/8	6
21	24185	M	Fan	1	67	10184	M	Bearing Support	2
22	62010	M	Carriage Bolt 3/8-16 x 3/4	3	68	65056	F	Whizlock Nut 1/4-20	6
23	624035	S	Brake, W/lining	1	69	64047	F	Washer 1.441 O.D. x .511	2
24	67004	M	Hairpin	1	70	63006	F	Lockwasher 1/2	2
25	24276	S	Discharge Chute	1	71	59024	M	Cap Screw 1/2-13 x 1 Hex. Hd.	2
26	59023	F	Cap Screw 3/8-16 x 3/4 Hex. Hd.	2	72	22093	F	Zerk Fitting	4
27	74054	F	Taptite No. 10-24 x 3/8	6	73	510015	F	Shear Bolt	2
28	10193	M	Wing Nut	1	74	524013	O	R.H. Rake	1
29	510012	M	Deflector w/decals	1	75	524014	O	L.H. Rake	1
30	65039	F	Locknut 3/8-16	6	76	62026	M	Carriage Bolt 5/16-18 x 1/2	7
31	63004	F	Lockwasher 3/8	2	77	524005	S	Gear Case Assembly	1
32	60012	F	Setscrew 5/16-18 x 3/8	2	78	24328	M	Rod	1
33	73042	S	Sheave	1	79	10494	S	Worm Shaft	1
34	66001	M	Key, Woodruff No. 11	1	80	65015	F	Nut 5/16-18	1
35	55035	M	Bushing	2	81	66013	M	Key	1
36	63017	M	Lockwasher 1/4 Plated	4	82	22178	M	Lining	1
37	64087	F	Washer	2	83	63032	M	Lockwasher	1
39	66008	M	Key, Woodruff No. 6	2	84	68062	M	Rivet	2
40	24064	S	Gear Case Shaft	1	86	62011	M	Carriage Bolt 5/16-18 x 3/4	1
41	70031	M	Flange Whizlock Screw 3/8-16 x 1/2	2	87	62013	M	Carriage Bolt	2
42	4037	S	Cap	1	88	622010	F	Universal Joint	2
43	59022	F	Cap Screw 5/16-18 x 3/4 Hex. Hd. Plated	1	89	64043	F	Washer, 3/8	1
44	63003	F	Lockwasher 5/16 Plated	1	90	67010		Hair Pin	1
45	65040	F	Locknut 1/4-20	7					
46	10142	M	Bearing Flange	1					

**NOTE: FOR DECALS SEE PAGES 2 & 3  
 POUR DECALQUES, VOIR P. 2 & 3**

**SUGGESTED PARTS STOCKING CODE**

F - FAST      S - SLOW  
 M - MEDIUM      O - Customer Order Only

**CODE SUGGERE D'INVENTAIRE DES PIÉCES**

F - FAST (rapide)      S - SLOW (lent)  
 M - MEDIUM (moyen)      O - Commande du client seulement

# DEALER SET UP AND PRE-SERVICE

All hardware and parts required for pre-service procedures are shipped in the parts bag or in place on the machine. The tractor and handlebars are assembled. On Model 924024 - the 8 HP 32" machine, the control handles must be bolted in place. On all models the control rods must be connected as described below and the snow head must be attached to the tractor. All adjustments have been made at the factory. Be sure to check adjustments as the pre-service procedures are followed.

## 2. ATTACHMENT CLUTCH

### ON MODEL 924024 - 8 HP 32":

- The attachment clutch handle has been shipped loose in the panel. Place the handle in the "OUT" position, line up holes and secure the handle in the panel with the 5/16-18 x 2" pivot bolt (59057) and 5/16-18 locknut (65042).

### ON ALL MODELS:

- Shift the attachment clutch handle to the "IN" position. Place a .380 washer (64093) on the end of attachment clutch rod and insert the rod into the LOWER hole in the handle. Secure with a cotter pin 1/8 x 1/2" (67018). See Figures 1 and 2.

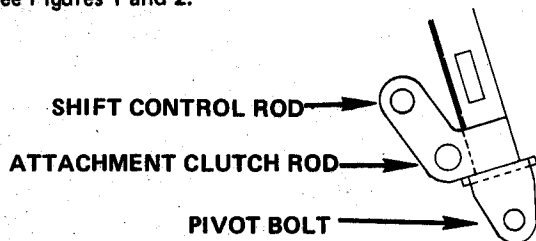


FIGURE 1

## 3. SHIFT CONTROL

### ON MODEL 924024 - 8 HP 32":

- The shift handle has been shipped loose in the panel. Position the shift handle in the panel so that the holes line up and secure the handle in the panel with the 5/16-18 x 2" pivot bolt (59057) and 5/16-18 locknut (65042).

### ON ALL MODELS:

- Place shift handle in 5th speed position. Push down on shift rod. The end of the shift rod should align with the UPPER hole in the handle if the rod adjustment is correct. See figure 1. If the rod does not align with the hole, adjust the length by screwing the rod up or down until the end of the shift rod lines up with the upper hole in the control handle, then tighten the shift rod jam nut.
- Place a .380" washer (64093) on the end of the shift rod, insert the rod into the UPPER hole in the handle, and secure with a cotter pin 1/8 x 1/2" (67018). See Figure 2.

## 4. TRACTOR CLUTCH - ALL MODELS

- The clutch handle is already positioned on the handlebar and the tractor clutch rod is in place in the handle. Check to be sure the clutch handle is free to fall down on the grip.
- Insert the lower end of the tractor clutch rod into the rod adapter.
- Position the clutch handle so that it is all the way up. See figure 3.) Tighten the tractor clutch rod in the rod adapter with the setscrew.

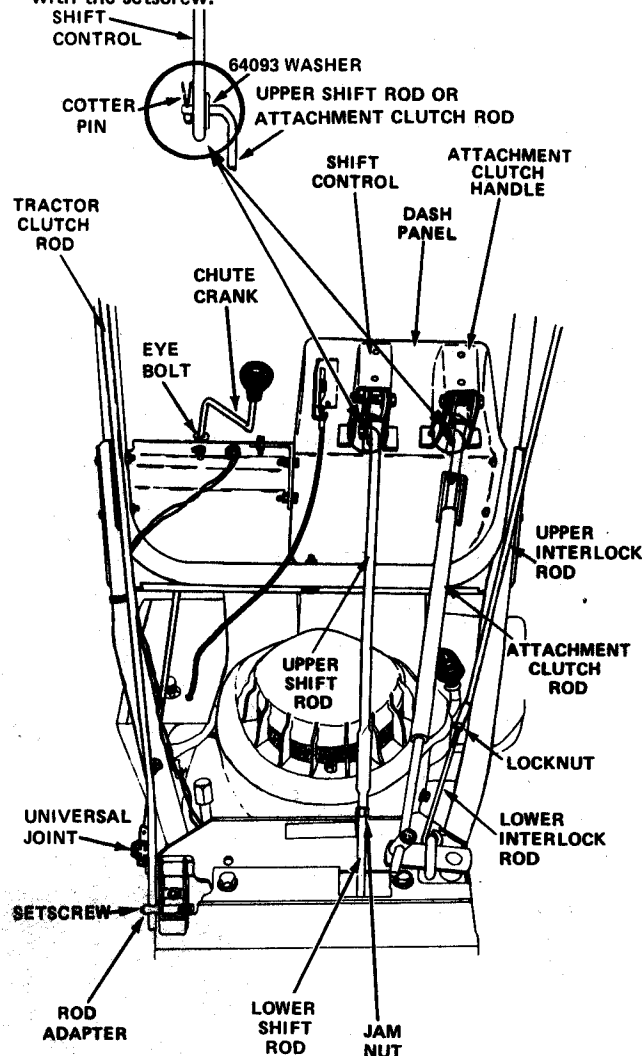


FIGURE 2

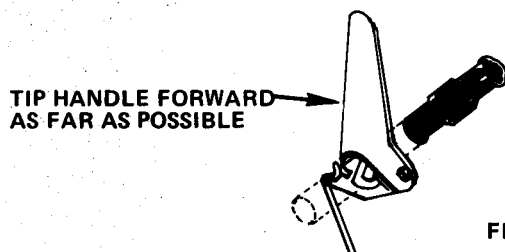


FIGURE 3

## 5. ATTACHING THE SNOW HEAD – ALL MODELS

- Remove the belt guard from the front of the tractor. The belt is shipped in place on the snow head sheave.
- Position the snow head on the front of the tractor. Notches on the bottom of the snow head fit on rod across the bottom of the tractor.
- With the belt in place on the snow head sheave, tip the snow head up into position in the tractor frame. Position belt on snow-thro sheave and secure with a 3/8-16 x 3/4" flanged whizlock screw (70031) on each side of the frame.
- Install the drive belt on the engine sheave. Belt finger must clear belt by 1/8" all around the sheave. Adjust if required.
- Engage and disengage attachment clutch and see that idler tightens belt and clears belt properly. If necessary adjust the idler by loosening the center bolt and moving it in the slotted hole in the idler bracket.
- Replace belt cover.

## 6. CHUTE CONTROL CRANK – ALL MODELS

- The chute control crank must be installed. Slip a washer on the crank rod up to the roll pin. Slide the end of the crank rod down through the two eye bolts. Secure to the universal joint with a hair pin cotter. Check alignment of worm and chute by rotating discharge chute through its full travel. Chute should rotate easily, if not, reposition worm as required.

FLANGED WHIZLOCK  
SCREW 70031

UNIVERSAL  
JOINT

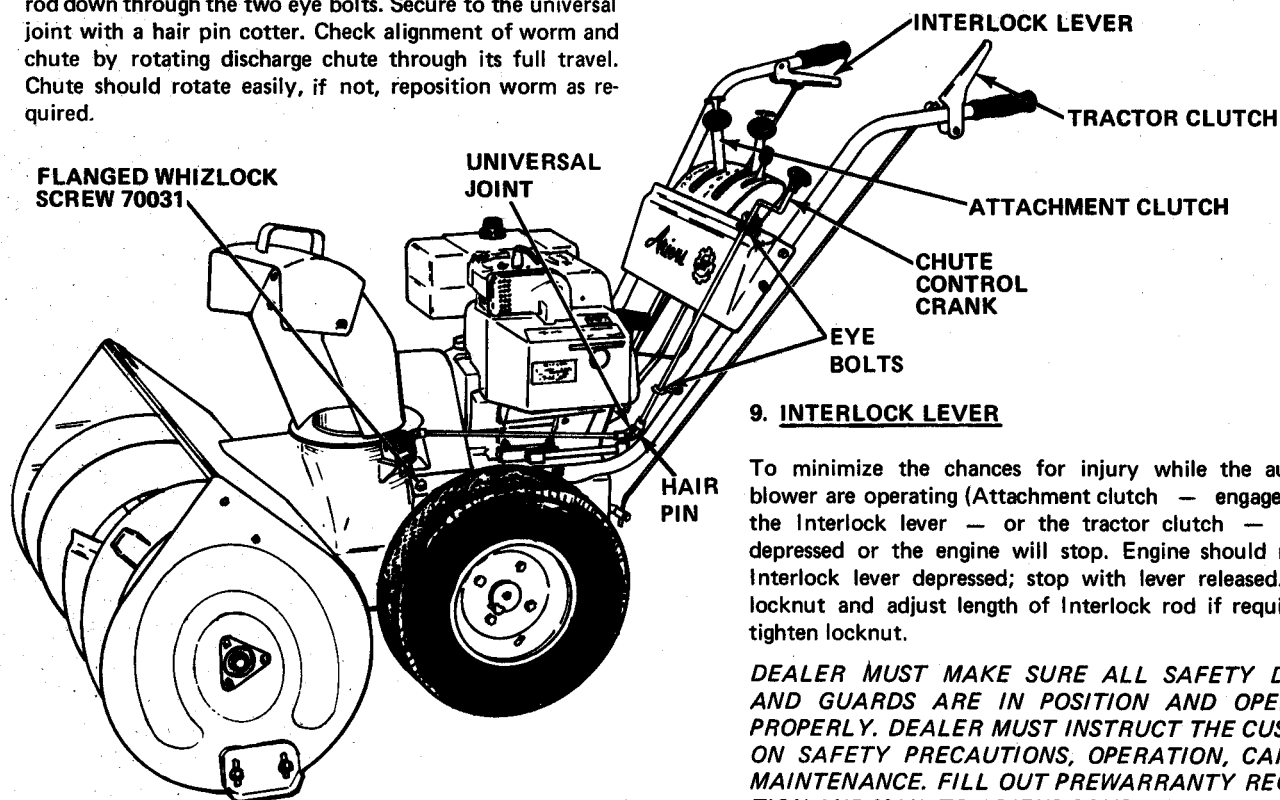


FIGURE 5

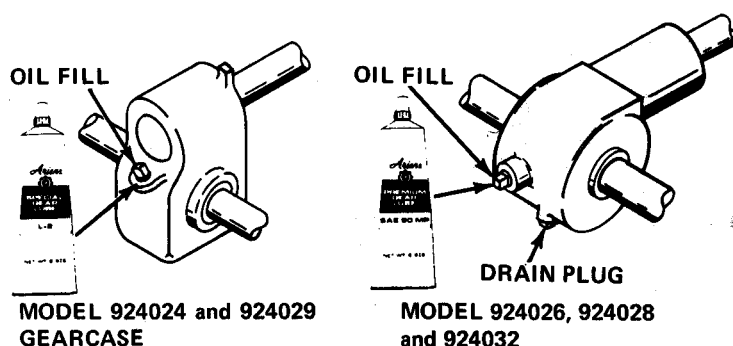


FIGURE 4

## 7. ENGINE

Before starting the engine, fill the crankcase with Ariens Sno-Thro oil 5W-20 for snow blower operation below 40 degrees F. Use Ariens Gard-N-Yard oil 10W-30 for operation at temperatures above 40 degrees F.

## 8. BLOWER GEAR CASE

### MODELS 924024, 924029 – 8 HP 32"

Check the oil level in the snow rotor gear case. Oil level must be even with the oil filler hole. Fill with Ariens Special L-2 Gear Lubricant. Replace the filler plug.

### MODELS 924026, 924028 & 924032 - 7 & 8 HP/24"

Check the oil level in the snow rotor gear case. Tip the machine back on the handlebars. Remove the filler and drain plugs. Fill with Ariens Gear Oil (SAE MP90) through the filler hole until it runs out the drain. Replace drain and filler plugs.

## 9. INTERLOCK LEVER

To minimize the chances for injury while the auger and blower are operating (Attachment clutch – engaged) either the Interlock lever – or the tractor clutch – must be depressed or the engine will stop. Engine should run with Interlock lever depressed; stop with lever released. Loosen locknut and adjust length of Interlock rod if required. Retighten locknut.

**DEALER MUST MAKE SURE ALL SAFETY DEVICES AND GUARDS ARE IN POSITION AND OPERATING PROPERLY. DEALER MUST INSTRUCT THE CUSTOMER ON SAFETY PRECAUTIONS, OPERATION, CARE AND MAINTENANCE. FILL OUT PREWARRANTY REGISTRATION AND MAIL TO ARIENS COMPANY.**

## 10. TIRE INFLATION

Check the tire air pressure. (Maintain 12 pounds).