

# IMPORTANT -

### **SAFE OPERATION PRACTICES**

THIS SYMBOL POINTS OUT IMPORTANT SA ETY INSTRUCTIONS WHICH, IF NOT FOLLOWED, COULD ENDANGER THE PERSON-AL SAFETY AND/OR PROPERTY OF YOUR JELF AND OTHERS. READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL BEFORE ATTEMPTING TO OPERATE YOUR CHIPPER-SHREDDER. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY. WHEN YOU JEE THIS SYMBOL: A HEED ITS WARNING.



Your chipper-shredder was built to be operated according to the rules for safe operation in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. This chipper-shredder is capable of amputating fingers and hands and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.

#### I. GENERAL OPERATION

- Read this owner's guide carefully in its entirety befc re attempting to assemble this machine. Read, understand, ard follow all instructions on the machine and in the manual(s) before operation. Be completely familiar with the controls and the proper use of the machine before operating it. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
- Your chipper-shredder is a powerful tool, not a plaything. Therefore, exercise extreme caution at all times. Your unit has been designed to perform two jobs; to chip and sh ed vegetation found in a normal yard. Do not use it for any other purpose.
- 3. Never allow children under age 16 to operate the unit. Children 16 years and older should only operate the unit under close parental supervision. Only responsible individua s who are familiar with these rules of safe operation should be allowed to use your unit.
- 4. Keep the area of operation clear of all persons, r articularly small children and pets. Stop the engine when they are in the vicinity of the unit. Keep work area clean and clear of branches or obstacles which could cause you to stumble or fall.
- 5. When feeding material into this equipment, be extremely careful that pieces of metal, rocks, bottles, cans or other foreign objects are not included. Personal injury or damage to the machine could result.
- 6. Always wear safety glasses or safety goggles, during operation and while performing an adjustment or repair, to plotect eyes from foreign objects that may be thrown from the mi chine.
- 7. Wear sturdy, rough-soled work shoes and close fit ing slacks and shirt. Shirt and slacks that cover the arms an I legs and steel-toed shoes are recommended. Do not wear Ic ose fitting clothes or jewelry and secure hair so it is above shoulder length. They can be caught in moving parts. Nevel operate a unit in bare feet, sandals or sneakers. Wear gloves when feeding material in the chipper chute or shredder hopper.
- 8. Never place your hands, feet, or any part of your bo ly into the shredder hopper, chipper chute, discharge opening, or near any moving part while the engine is running. Keep clear of the discharge opening at all times. If it becomes ner essary to push material into the chipper chute or shredder hot per, use a small diameter stick, **NOT YOUR HANDS**.
- 9. If it is necessary for any reason to unclog the feet intake or discharge openings or to inspect or repair any part of the machine where a moving part can come in contact with your body or clothing, stop the machine, allow it to cool, disconnect the spark plug wire from the spark plug and move it away from the spark plug before attempting to unclog, inspect or repair.
- Do not operate unit while under the influence of licohol or drugs.
- 11. The machine should only be operated on a level surface. Never operate your unit on a slippery, wet, muddy or ic / surface. Keep your work area clean and clear of branches or obstacles which could cause you to stumble and fall. Do not overreach. Maintaining proper footing and balance is essential to preventing accidents.

- 12. Do not allow an accumulation of processed material to buildup in the discharge area as this will prevent proper discharge and can result in kick-back from the chipper chute.
- 13. Keep your face and body back from chipper chute to avoid accidental bounce back of any material.
- 14. Do not transport machine while engine is running.
- 15. If the cutting mechanism strikes a foreign object or if your machine should start making an unusual noise or vibration, immediately stop the engine and allow the machine to come to a complete stop. Disconnect the spark plug wire and move it away from the spark plug. Take the following steps.
  - Inspect for damage.
  - Repair or replace any damaged parts.
  - Check for any loose parts and tighten to assure continued safe operation.
- 16. Never attempt to attach or remove catcher bag when engine is running. Shut the engine off and wait for the impeller to come to a complete stop. The impeller continues to rotate for a few seconds after the engine is shut off. Never place any part of the body in the impeller area until you are sure the impeller has stopped rotating.
- 17. Muffler and engine become hot and can cause a burn. Do not touch.
- 18. Do not allow leaves or other debris to build-up on engine's muffler. The debris could ignite and cause a fire.
- Do not attempt to shred or chip material larger than specified in this manual. Personal injury or damage to the machine could result.
- Do not operate engine if air cleaner or cover over carburetor air-intake is removed, except for adjustment. Removal of such parts could create a fire hazard.
- Only use accessories approved for this machine by the manufacturer. Read, understand, and follow all instructions provided with the approved accessory.
- 22. If situations occur which are not covered by this manual, use care and good judgment. Contact your dealer for assistance.
- Keep discharge chute deflector, chipper chute door, and all other guards and safety devices in place and operating properly.
- 24. Only operate unit in good daylight. Do not operate unit at night or in dark areas where your vision may be impaired.

#### II. CHILDREN

Tragic accidents can occur if the operator is not alert to the presence of small children. Children are often attracted to the chippershredder and the chipping and shredding activity. Never assume that children will remain where you last saw them.

- 1. Keep children out of the work area and under the watchful eye of a responsible adult other than the operator.
- 2. Be alert and turn the unit off if a child enters the area.
- Never allow children under the age of 16 to operate the chipper-shredder.

#### **▶** III. SERVICE

 Use extreme care in handling gasoline and other fuels. They are extremely flammable and the vapors are explosive.

- a. Store fuel and oil in approved containers, away from heat and open flame, and out of the reach of children. Check and add fuel before starting the engine. Never remove gas cap or add fuel while the engine is running. Allow engine to cool at least two minutes before refueling.
- Replace gasoline cap securely and wipe off any spilled gasoline before starting the engine as it may cause a fire or explosion.
- c. Extinguish all cigarettes, cigars, pipes and other sources of ignition.
- d. Never refuel unit indoors because flammable vapors will accumulate in the area.
- e. Never store the machine or fuel container inside where there is an open flame or spark such as a gas hot water heater, space heater, clothes dryer or furnace.
- Never run your machine in an enclosed area as the exhaust from the engine contains carbon monoxide, which is an odorless, tasteless and deadly poisonous gas.
- 3. To reduce fire hazard, keep engine and muffler free of leaves, grass, and other debris build-up. Clean up fuel and oil spillage. Allow unit to cool at least 5 minutes before storing.



- 4. Before cleaning, repairing, or inspecting, make certain the impeller and all moving parts have stopped. Disconnect the spark plug wire and keep wire away from spark plug to prevent accidental starting. Do not use flammable solutions to clean air filter.
- 5. Check the blade and engine mounting screws at frequent intervals for proper tightness. Also visually inspect blades for wear and/or damage (e.g., bent, cracked). Replace with blades which meet original equipment specifications.
- Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
- Never tamper with safety devices. Check their proper operation regularly.
- After striking a foreign object, immediately stop the engine, disconnect the spark plug wire from the spark plug, and thoroughly inspect the unit for any damage. Repair damage before starting and operating unit.
- 9. Do not alter or tamper with the engine's governor setting. The governor controls the maximum safe operating speed of the engine. Over-speeding the engine is dangerous and will cause damage to the engine and to other moving parts of the machine.



#### WARNING - YOUR RESPONSIBILITY

Restrict the use of this power machine to persons who read, understand and follow the warnings and instructions in this manual and on the machine.

### **ASSEMBLY INSTRUCTIONS**

IMPORTANT: This unit is shipped WITHOUT GASOLINE or OIL. After assembly, see separate engine manual for proper fuel and engine oil recommendations.

**NOTE:** To determine right and left hand sides of your chipper-shredder, stand behind and face the hopper (engine is at the front of the unit).

Your chipper-shredder has been completely assembled at the factory, except for the chute deflector and the catcher bag. A pair of safety glasses  $\varepsilon$  re also included in the carton.



FIGURE 1.



FIGURE 2.

# TO REMOVE CHIPPER-SHREDDER FROM CARTON

- 1. Remove staples, break glue on top flaps, or cut tape at carton end and peel along top flap to open carton.
- 2. Remove loose parts if included with unit (i.e., owner's manual, etc.).
- 3. Cut along dotted lines and lay carton down flat.
- 4. Remove packing material.
- 5. Roll or slide unit out of carton. Check carton thoroughly for loose parts.

#### **TOOLS REQUIRED FOR ASSEMBLY**

(2) 7/16" or Adjustable Wrenches

#### **HOW TO SET-UP YOUR CHIPPER-SHREDDER**



WARNING: Make certain the spark plug wire is disconnected and moved away from the spark plug before assembling the chipper-shredder.

#### ATTACHING THE CHUTE DEFLECTOR

- 1. Remove the hand knobs and cupped washers from each side of the discharge opening on the left side of the shredder.
- 2. Remove the hex lock nut, two spacers and hex bolt from inside the hinge on top of the discharge opening. Do not remove one spacer from the hex bolt.
- Place the chute deflector in position on the discharge opening. Insert bolt through hinge on chute deflector and housing (spacer fits inside hinge).
- Place second spacer over the hex bolt, inside the other part of hinge. Secure with hex lock nut. Tighten securely.
- Secure both sides of the chute deflector to the housing using hand knobs and cupped washers (cupped side of washers go against chute deflector).

#### ATTACHING THE CATCHER BAG

Your chipper-shredder is equipped with a catcher bag to catch the shredded material.

To attach bag, place bag opening over the chute deflector so it completely covers chute opening. Depress plunger on drawstring, pull on drawstring until bag is tight around chute opening. Release plunger to lock it into position. See figure 2.



#### ASSEMBLING THE OPTIONAL HOSE ATTACHMENT (See Figure 3)

- 1. Place handle in position on nozzle tube. Secure front of handle to nozzle with hex bolt 5/8" long and hex lock nut. Do not tighten at this time.
- 2. Place flat washer on hex bolt 1-1/4" long. Place saddle washer on hex bolt, with the crowned side of the washer against the head of the hex bolt.
- 3. Place the hex bolt (with washer attached) down through the other hole in the handle and nozzle. Secure with hex lock nut. Tighten both hex bolts and nuts securely.
- 4. Slide one hose clamp on each end of the hose (loosen hose clamps if necessary). Slide one end of hose over the round opening in the nozzle, and secure with hose clamp. Slide other end of hose over the plug, and secure with hose clamp. Make certain both hose clamps are tightened securely.

# ATTACHING AND REMOVING THE OPTIONAL HOSE ATTACHMENT



WARNING: Be certain to stop the engine and disconnect the spark plug wire from the spark plug before attaching or removing the vacuum hose from the vacuum.

#### To Attach the Vacuum Hose to the Hopper:

Insert the plug end of the hose into the hopper. Slide the front (curved) portion down into position first, then push down on the rear of the plug, past the locking tabs. See figure 4.

#### To Remove the Vacuum Hose From the Hopper:

Standing behind the hopper, pivot the neck of the plug backwards until front of plug releases from hopper. Then pull the rest of the plug out of the hopper.



WARNING: Keep away from the muffler as it is hot. Do not allow the hose to contact the muffler.

Do not pull on the hose to move the chipper-shredder. Unit could tip over.

#### FIGURE 3.



FIGURE 4.

# OPERATION

#### KNOW YOUR SHREDDER

READ THIS OWNER'S MANUAL AND SAFETY RULES BEFORE OPERATING YOUR SHREDDER. Compare the illustrations with your shredder to familia ize yourself with the location of various controls and adjustments. Save this manual for future reference.



#### **OPERATING CONTROLS (See figure 5)**

**RELEASE HANDLE**—Used to release the hcpper when lowering to the ground.

**CHOKE LEVER (if so equipped)**—Used to enrich the fuel mixture in carburetor when starting a cold engine.

**PRIMER (if so equipped)**—Pumps additional fuel from carburetor to cylinder for use when starting a cold engine.

STARTER HANDLE—Used to manually start he engine.

THROTTLE CONTROL—Controls engine speed and stops the engine.

The operation of any shredder can result in foreign objects being thrown into the eyes, which



can result in severe eye d image. Always wear safety glasses or eye shields. We recomment wide vision safety mask for over spectacles or standard safety glas ses.

#### **BEFORE STARTING**

- 1. Place the shredder on a firm, level surface.
- 2. Attach spark plug wire to spark plug.
- 3. Service engine with gasoline and oil as instructed in the separate engine manual packed with your shredder.

4. Open fuel shut-off valve (if so equipped).

Throttle

Choke

**NOTE:** Check the fuel level periodically to avoid running out of gasoline while operating the chippershredder. If the unit runs out of gas as it is shredding or chipping, it may be necessary to unclog the unit before it can be restarted. Refer to "Removing the Flail Screen" on pages 8 and 9.

#### TO START ENGINE



WARNING: Be sure no one other than the operator is standing near the shredder while starting or operating.

Starter

Handle

- 1. Place the throttle control lever in FAST position. See figure 5.
- 2. Engines with choke lever: Move choke lever to CHOKE position (a warm engine may not require choking).

**Engines with primer:** Prime engine as instructed in separate engine manual.

- 3. Grasp starter handle (see figure 5) and pull rope out slowly until engine reaches start of compression cycle (rope will pull slightly harder at this point). Let the rope rewind slowly.
- 4. Pull rope with a rapid, continuous, full arm stroke. Keep a firm grip on starter handle. Let rope rewind slowly. Do not let starter handle snap back against starter.
- 5. Repeat preceding instructions 3 and 4 until engine fires. When engine starts, move choke lever (if so equipped) on engine halfway between CHOKE and RUN.
- 6. Move throttle control to IDLE position for a few minutes warm-up. Move choke lever (if so equipped) to RUN position as engine warms up.

**NOTE:** In order to idle smoothly, a new engine may require 3 to 5 minutes running above slow idle speed. Idle speed has been adjusted to be correct after this break-in period.

#### **TO STOP ENGINE**

- 1. Move throttle control lever to STOP position.
- 2. Disconnect spark plug wire and move away from spark plug to prevent accidental starting while equipment is unattended.
- 3. Close fuel shut-off valve (if so equipped) when unit is not in use to prevent fuel leakage.

#### **HOW TO USE YOUR SHREDDER**

Do not attempt to shred or chip any material other than vegetation found in a normal yard (i.e., branches, leaves, twigs, etc.).



WARNING: The shredder discharges material with considerable velocity. Keep away from the area around the chute deflector. Always stop the engine and disconnect the spark plug wire when removing or attaching the bag, when changing containers or when removing the shredded material, wear safety glasses and gloves whenever using your shredder.

The shredder is designed for three different methods of operation.

 Leaves and small branches up to 1/2" diameter can be fed into the hopper when it is in the raised position. See figure 6. If it becomes necessary to push material into the shredder, use a small diameter stick—NOT YOUR HANDS. The stick cannot exceed 1/2" in diameter so it will be ground up if it gets into the impeller assembly.



WARNING: Do not put material larger than 1/2" in diameter into the hopper. Material up to a maximum of 3" in diameter material may be fed into the chipper chute. Do not attempt to shred or chip any material larger than 3" in diameter. Personal injury or damage to the machine could result.



#### FIGURE 6.

2. Leaves and small twigs can be raked into the shredder when the hopper assembly is lowered to the ground. See figure 7.

To lower the hopper assembly to the ground, use one hand to grasp the top of the hopper assembly. Push down on the release handle, and pivot the hopper assembly to the right. See figure 8.







#### FIGURE 8.

3. Bulky material, such as stalks or heavy branches, **up to 3" in diameter** should be fed into the chipper chute. See figure 9.



FIGURE 9.

**IMPORTANT:** There is a flail screen located inside the housing in the discharge area. If the flail screen becomes clogged, remove and clean as instructed in the Maintenance section below.

For best performance, it is important to keep the shredding blade and the chipper blades sharp. Refer to Maintenance section, page 9. If the composition of the material being discharged changes (becomes stringy, etc.) or if the rate at which the material is discharged slows down considerably, it is likely that the shredding blade and/or chipper blades are dull and need to be sharpened or replaced.



WARNING: Make certain the chipper chute door is closed when not in use.

### **N** AINTENANCE



WARNING: Always stop engine and disconnect spark plug wire before cleaning, lubricating or performing any repairs or maintenance.

#### LUBRICATION

Lubricate the pivot points on the release handle, hopper assembly, chute deflector and chipper c tute once a season using a light oil.

#### ENGINE

# Refer to the separate engine manual fcr engine maintenance instructions.

Maintain **engine oil** as instructed in the separate engine manual packed with your unit. Read and follow instructions carefully.

Service **air cleaner** every 25 hours under no rmal conditions. Clean every few hours under extremely dusty conditions. Poor engine performance and flooding usually indicates that the air cleaner should be serviced. To service the air cleaner, refer to the separate engine manual packed with your unit. The **spark plug** should be cleaned and the gap reset once a season. Spark plug replacement is recommended at the start of each season; check engine manual for correct plug type and gap specifications.

**Clean the engine** regularly with a cloth or brush. Keep the cooling system (blower housing area) clean to permit proper air circulation which is essential to engine performance and life. Be certain to remove all dirt and combustible debris from muffler area.

#### **CLEANING**

The shredder may be cleaned by running water from a hose through the hopper assembly and chipper chute with the engine running. Allow the shredder to dry thoroughly.

Wash the bag periodically with water. Allow to dry thoroughly in the shade. Do not use heat.

#### **REMOVING THE FLAIL SCREEN**

If the discharge area becomes clogged, remove the flail screen and clean area as follows.

- 1. Stop the engine, make certain the shredder has come to a complete stop and disconnect spark plug wire from the spark plug before unclogging the chute.
- 2. Loosen the two hand knobs on each side of the chute deflector. Lift the chute deflector up, and tie it out of the way.
- 3. Remove two hairpin clips from the clevis pins which extend through the housing. Remove the clevis pins. Lift the flail screen from inside the housing. See figure 10.
- 4. Clean the screen by scraping or washing with water. Reinstall the screen.

**NOTE:** Be certain to reassemble the flail screen with the curved side down as shown in figure 10.



FIGURE 10.

#### SHARPENING OR REPLACING CHIPPER BLADES

- 1. Disconnect spark plug wire and move it away from spark plug.
- 2. Remove the flail screen as instructed in previous section.
- 3. Remove the chipper chute by removing three hex nuts and washers. A 1/2" wrench is required. See figure 11.

**NOTE:** When reassembling, the cupped washer goes on the bottom of the chipper chute with the cupped side against the chute.

- 4. Rotate the impeller assembly by hand until you locate one of the chipper blades in the chipper chute opening. Remove the blade, using a 3/16" allen wrench on the outside of the blade and 1/2" wrench on the impeller assembly (inside the housing). See figure 11.
- 5. Remove the other blade in the same manner.



FIGURE 11.

Replace or sharpen blades. If sharpening, make certain to remove an equal amount from each blade. Reassemble in reverse order.

Make certain blades are reassembled with the sharp edge facing the direction shown in figure 11 (sharp edge is assembled toward the slotted opening in the impeller assembly).

#### SHARPENING OR REPLACING SHREDDING BLADE

The shredding blade may be removed for sharpening or replacement as follows.

- 1. Disconnect spark plug wire and move it away from spark plug.
- 2. Lower the hopper assembly. Block up the hopper. See figure 12.
- Remove the six hex lock nuts and flat washers from the housing weld bolts using a 1/2" wrench. Remove the hopper assembly.
- 4. Remove the back-up plate.

**NOTE:** When reassembling the back-up plate, make certain the single tab is at the top of the back-up plate, and the two tabs are at the bottom. Also, make certain the tabs go toward the blade.



#### FIGURE 12.

- 5. Loosen the two hand knobs and cupped washers which secure the chute deflector, and raise the chute deflector.
- Insert a 1/2" or 3/4" diameter pipe through the flail screen into the impeller assembly to keep it from turning, or remove the flail screen, and insert a piece of wood (2 x 4) into the chute oper ing.
- 7. Remove the two outside screws on the blade, using a 3/16" allen wrench and a 1/2" wr ench.
- 8. Remove the blade by removing the center bolt, lock washer and flat washer.

**NOTE:** Use caution when removing the blad is to avoid contacting the weld bolts on the housing.

When sharpening the blade, follow the original angle of grind as a guide. It is extremely important that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds and may cause damage to the unit.

The blade can be tested for balance by balancing it on a round shaft screwdriver or nail. Remove metal from the heavy side until it is balanced evanly. See figure 13.



When reassembling the blade, tighten to between 550 and 650 inch pounds, or lacking torque wrench, tighten securely.

#### FLAILS

The flails, located inside the housing, may be reversed when they become dull. It is suggested that this procedure be performed by your nearest authorized dealer.

#### **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 muffler.

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

**NOTE:** A dirty air cleaner will cause engine to run rough. Be certain air cleaner is clean and attached to the carburetor before adjusting carburetor.

Do not make unnecessary adjustments. Factory settings are satisfactory for most applications and conditions. If adjustment is needed, refer to the separate engine manual packed with your shredder.

### **OFF-SEASON STORAGE**

The following steps should be taken to prepare your shredder for storage.

- 1. Clean and lubricate the shredder thoroughly.
- 2. Refer to engine manual for correct engine storage instructions.
- 3. If storing in an unventilated or metal storage shed, coat metal parts with a light oil or silicone to prevent rust.
- 4. Store in a dry, clean area. Do not store next to corrosive materials, such as fertilizer.

FIGURE 13.

# **OPTIONAL EQUIPMENT**



A vacuum hose kit (model 290-002-000) and a tow hitch kit (model 290-003-000) are available as optional equipment.

# **TROUBLE SHOOTING**

PROBLEM	POSSIBLE CAUSE(S)	CORRECTIVE ACTION	
Engine fails to start	<ol> <li>Spark plug wire disconnected.</li> <li>Fuel tank empty, or stale fuel.</li> <li>Fuel shut-off valve closed (if so equipped).</li> <li>Faulty spark plug.</li> </ol>	<ol> <li>Connect wire to spark plug.</li> <li>Fill tank with clean, fresh fuel.</li> <li>Open fuel shut-off valve.</li> <li>Clean, adjust gap or replace.</li> </ol>	
Loss of power; operation erratic	<ol> <li>Spark plug wire loose.</li> <li>Unit running on CHOKE.</li> <li>Blocked fuel line or stale fuel.</li> <li>Water or dirt in fuel system.</li> <li>Carburetor out of adjustment.</li> <li>Dirty air cleaner.</li> </ol>	<ol> <li>Connect and tighten spark plug wire.</li> <li>Move choke lever to OFF position.</li> <li>Clean fuel line; fill tank with clean fresh gasoline.</li> <li>Disconnect fuel line at carburetor to drain fuel tank. Refill with fresh fuel.</li> <li>Adjust carburetor.†</li> <li>Service air cleaner.†</li> </ol>	
Engine overheats	<ol> <li>Carburetor not adjusted properly.</li> <li>Engine oil level low.</li> </ol>	<ol> <li>Adjust carburetor.†</li> <li>Fill crankcase with proper oil.</li> </ol>	
Too much vibration	Loose parts or damaged impeller.	Stop engine immediately and disconnect spark plug wire. Tighten all bolts and nuts. Make all necessary repairs. If vibration continues, have unit serviced by an authorized service dealer.	
Unit does not discharge	<ol> <li>Discharge chute clogged.</li> <li>Foreign object lodged in impeller.</li> </ol>	<ol> <li>Stop engine immediately and disconnect spark plug wire. Clean flail screen and inside of housing. See Maintenance section of this manual.</li> <li>Stop engine immediately and disconnect spark plug wire. Remove lodged object.</li> </ol>	
Rate of discharge slows considerably or composition of discharged material changes	Shredding blade and/or chipper blades dull.	Sharpen or replace shredding and chipper blades.	

†Refer to the engine manual packed with your unit.

NOTE: For repairs beyond the minor adjustments listed above, please contact your nearest authorized service dealer.

Model No.	64{ D	645D	643D	642D
Spark Plug	J17L M	J19LM	N4C	J8C
Air Filter Element	33268	491588	36634	30727
Air Pre-Cleaner	35881	491435	36046	35974
Engine Oil (SAE 30)	737-0 208 (26 oz. ⊧eq'd.)	737-0208 (21 oz. req'd.)	737-0208 (21 oz. req'd.)	737-0208 (21 oz. req'd.)
Chipper Blade (Standard)	781-0 190	781-0490	781-0490	781-0490
Chipper Blade (Tooled Steel)	742-0 544	742-0544	742-0544	742-0544
Shredding Blade	742-0 571	742-0571	742-0571	742-0571
Bag	764-0 <sup>-</sup> 99A	764-0199A	764-0199A	764-0199A
Safety Glasses	723-0 400	723-0400	723-0400	723-0400
Vacuum Hose Kit (Optional)	290-( 02	290-002	290-002	290-002
Tow Hitch Kit (Optional)	290-003	290-003	290-003	290-003

The only way to ensure the performance of your product is to use original equipment parts and accessories, which are designed and engineered to exacting specifications. When you substitute, you take a chance on quality, reliability, safety and performance. Use original equipment parts—See your local service dealer.