

Sears

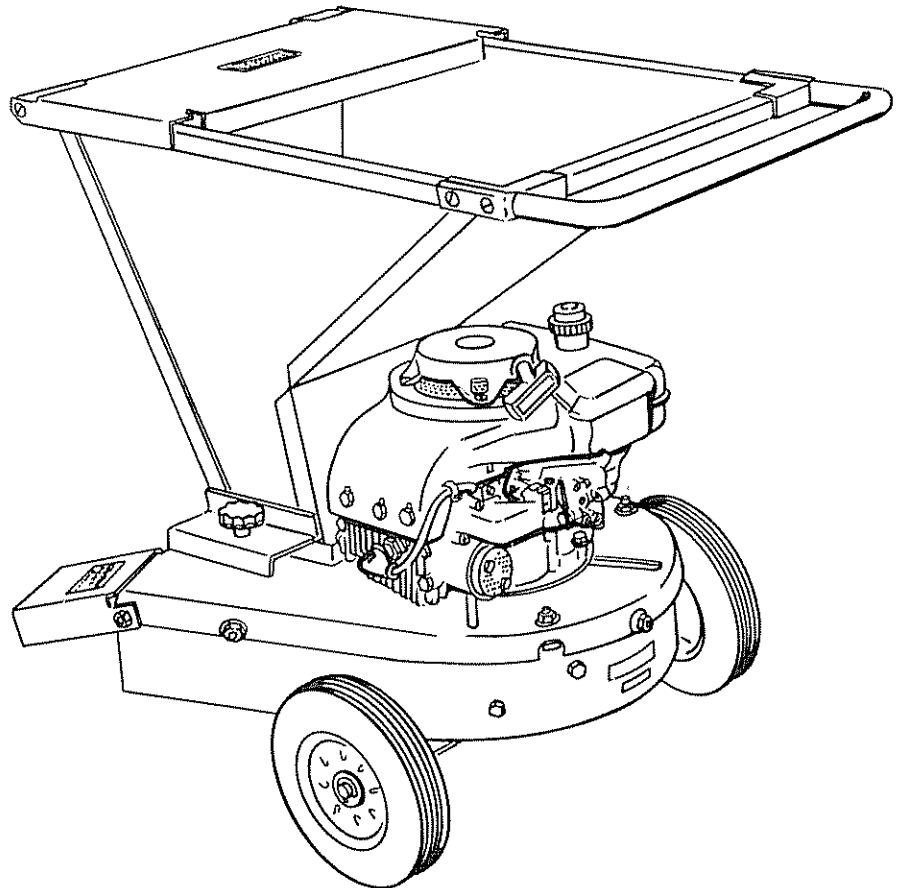
owners manual

3.5 H.P. SHREDDER-BAGGER

MODEL NO.
917.285230

CAUTION:
Read Rules for
Safe Operation
and Instructions
Carefully

- Assembly
- Operating
- Maintenance
- Repair Parts



SEARS, ROEBUCK AND CO. U.S.A.

SIMPSONS-SEARS LIMITED, CANADA

GUARANTEE

Your Shredder-Bagger is guaranteed for one full year. If any defect in material or workmanship should appear during this time, simply contact our nearest Sears store or service center throughout the United States or Canada. We will make all necessary repairs, including parts and labor, at no charge to you. If the Shredder-Bagger is used for commercial or rental purposes, this guarantee applies for thirty days.

SEARS, ROEBUCK AND CO.

SIMPSONS-SEARS LTD.

IMPORTANT RULES FOR SAFE OPERATION

1. Children must never be allowed to operate this SHREDDER-BAGGER.
2. It is recommended that the operator of this SHREDDER-BAGGER obtain and wear safety glasses at all times.
3. Operator should become fully familiar with all of the different sections of this Owners Manual and the Engine Manual before attempting to operate the SHREDDER-BAGGER.
4. Never allow your hands, any other part of your body, or your clothing inside the hopper, leaf ramp, discharge chute or near any moving parts, while the engine is running.
5. The shredding blades are directly connected to the engine crankshaft, therefore when the engine is running the blades are always turning.
6. Always stand clear of the discharge area when operating the SHREDDER-BAGGER; never remove the discharge deflector and always keep it at a downward angle as this limits the uncontrolled expulsion of shredded material from the unit at high speeds.
7. Never remove the hopper guard at anytime and be sure that it is in a closed position at all times when the SHREDDER-BAGGER is in operation.
8. Never start or operate this SHREDDER-BAGGER without the hopper or leaf ramp fully secured in the proper position.
9. Keep your face and body back from the hopper opening in order to avoid the bounceback of material from the hopper.
10. When feeding shreddable materials into your SHREDDER-BAGGER be extremely careful that pieces of metal, rocks, bottles, cans or other foreign materials are not inadvertently placed in the SHREDDER-BAGGER.
11. The SHREDDER-BAGGER should never be operated in the vicinity of children, pets or other persons.
12. Avoid wearing loose fitting clothing and make sure you are wearing protective footwear while operating the SHREDDER-BAGGER.
13. Do not overload the hopper of this SHREDDER-BAGGER, however, in the event it becomes necessary to push material into the hopper, use only a soft 3-foot long piece of wood such as a $\frac{1}{4}$ " in diameter dowel or plastering lath; never use your hands, large pieces of wood, thick plastic material or the like.
14. Do not allow an accumulation of shredded material in the discharge area as this will prevent proper discharge.
15. This SHREDDER-BAGGER should be operated only upon a level surface to prevent tipping.
16. The spark plug wire must be disconnected from the spark plug to prevent accidental starting. The engine of this SHREDDER-BAGGER must be allowed to cool down before making any inspection, adjustments or repairs to the unit.
17. Never run the SHREDDER-BAGGER indoors as the exhaust from the engine contains carbon-monoxide which is a tasteless, odorless, deadly poison.
18. Always disconnect the spark plug wire each time the engine is stopped.
19. If your SHREDDER-BAGGER should start making an unusual noise or abnormally vibrating, immediately stop the engine and remove the spark plug wire. The unit should then be fully checked for loose parts or damage to assure continued safe operation of the unit.
20. Never fill the gasoline tank of your SHREDDER BAGGER while the engine is running or while it is hot. All spilled or excess gasoline should be wiped up prior to starting the engine - gasoline is highly flammable and must be handled with extreme care.
21. All screws, nuts and bolts must be kept tight to be sure that the SHREDDER-BAGGER is in safe operating condition. Also, the engine must be kept clean of all dirt and other accumulations in order to prevent damage to the engine.
22. The governor settings on this SHREDDER-BAGGER must not be altered, changed or tampered with. The governor controls the maximum safe operating speed of the SHREDDER-BAGGER and protects the engine from damage.
23. When storing the SHREDDER-BAGGER, it must be kept in a place where gasoline fumes will not reach an open flame or spark. For long periods of storage, the gasoline tank should be drained and the gasoline discarded in a safe place. The engine must always be allowed to cool down before storing in any enclosure.

reference drawing for assembly and instructions

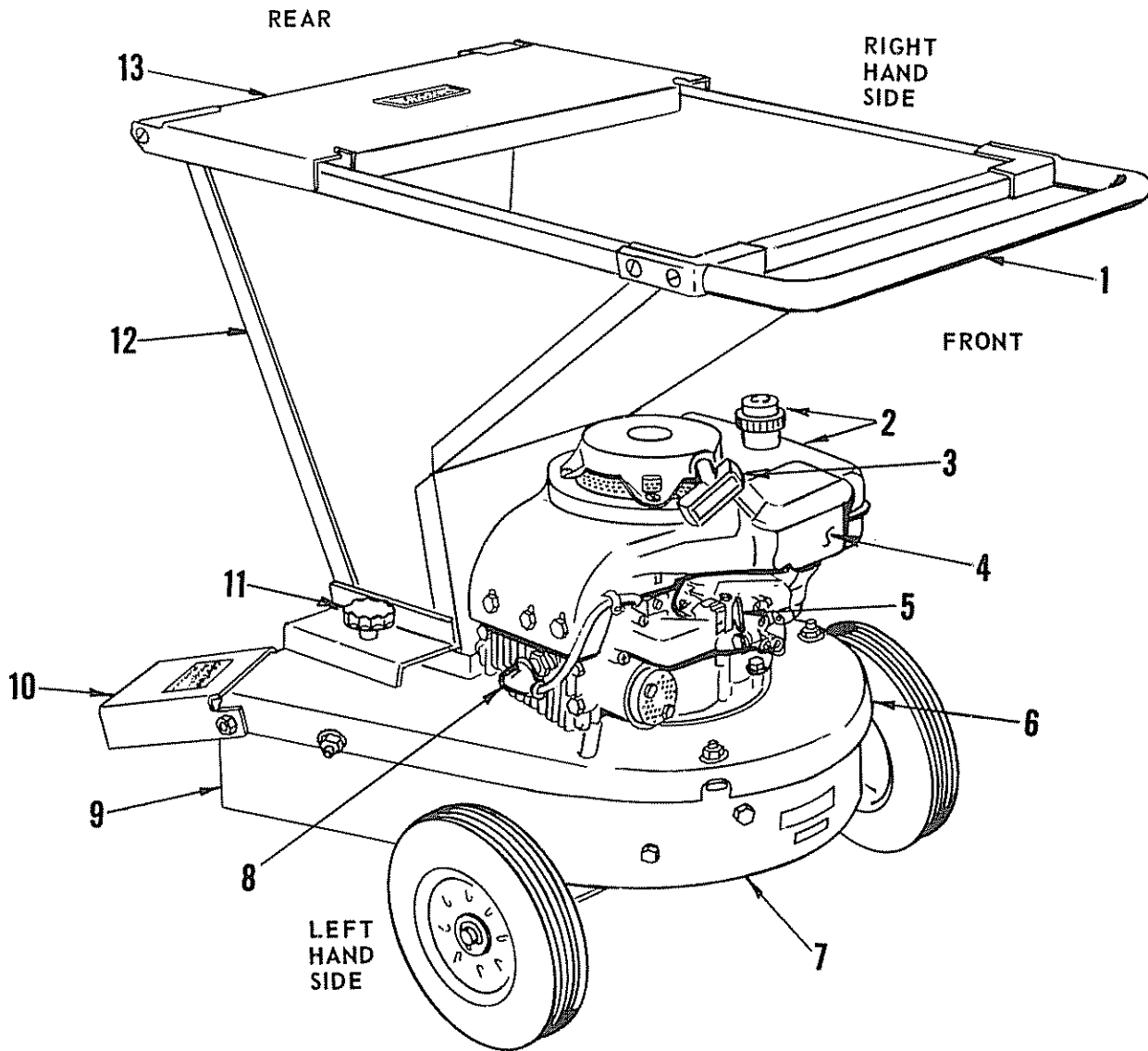


Fig. 1

- | | |
|-----------------------|-------------------------|
| 1. Handle | 8. Spark Plug and Cover |
| 2. Fuel Tank and Cap | 9. Discharge Area |
| 3. Starter Handle | 10. Deflector |
| 4. Air Cleaner | 11. Hold Down Knob |
| 5. Speed Control Knob | 12. Hopper |
| 6. Engine Pad | 13. Guard |
| 7. Mill Housing | |

introduction

Your new SHREDDER-BAGGER utilizes multiple sharp flat cutting blades rotating about the vertical shaft of its engine within the mill housing. In order to reduce lawn and garden bulk by shredding, these blades rotate at a speed of approximately 14,000 feet per minute or almost 158 miles per hour. They exert about the same force as a 7½ pound sledge hammer traveling at 158 miles per hour and shred materials by simply cutting and forcing them at this speed against the internal breaker plates. Obviously, this extreme force constitutes a potential danger if the SHREDDER-BAGGER is not properly used and maintained. It is therefore all the more important that the operator always FOLLOW THE "RULES FOR SAFE OPERATION" as well as other instructions contained in the Owners Manual and the Engine Manual.

This SHREDDER-BAGGER has been designed, engineered and manufactured to give you the best possible dependability and performance. Should you experience any minor problem which you cannot easily remedy, please return your SHREDDER-BAGGER to your nearest Sears, Roebuck and Co. or Simpson-Sears Limited store. They have well-qualified, competent trained technicians and the proper tools to service or repair this unit. NEVER ATTEMPT TO REPAIR YOUR SHREDDER-BAGGER UNLESS YOU ARE FULLY QUALIFIED TO DO SO.

assembly

A letter in parentheses in the following instructions refer to an arrow in an adjoining Figure (Illustration), unless otherwise stated. When R.H. (Right Hand) or L.H. (Left Hand) are used, it should be understood to mean from a position standing at the front (handle) end and facing the Shredder-Bagger. Refer to Fig. 1.

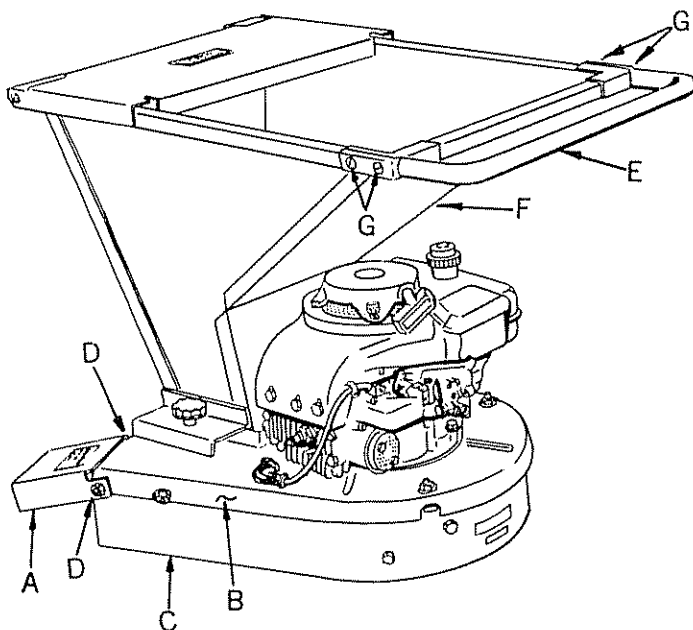


FIG. 2

1. Cut all wires which fasten Shredder-Bagger to wood pallet in bottom of shipping carton. Remove all parts from the inner carton in which this Owners Manual was found. All hardware; bolts, nuts, washers and E-rings which are referred to in the following instructions were shipped in a plastic bag.
2. Position and assemble deflector (A), to engine pad (B), and mill housing (C), with two 3/8 x 3/4 truss head machine screws, lockwashers and hex nuts (D). Heads of machine screws to inside. Deflector (A), must be positioned as shown to deflect shredded material downward. Tighten nuts securely.
3. Position handle (E), to hopper (F), as shown, and align holes. Secure handle to hopper with four truss head slotted machines screws 1/4 x 3/4, lockwashers and hex nuts (G), Head of machine screws to outside. Tighten nuts securely.

ONE SIDE OF WHEEL HUB IS CONVEX. THIS SURFACE OF BOTH WHEELS TO INSIDE.

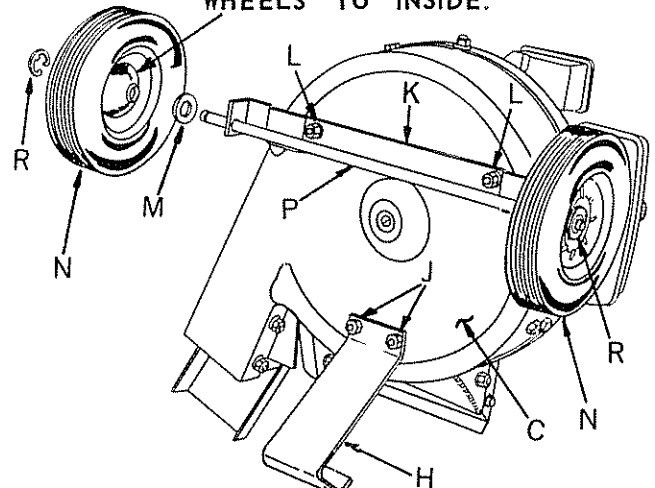
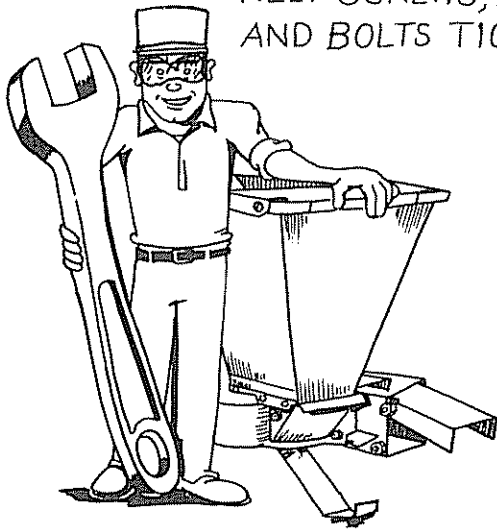


FIG. 3

4. Tip shredder forward until shredder rests on front portion of hopper and deflector.
5. Position holes in ground pad (H), over weld bolts in bottom of mill housing (C). Secure with two 3/8 lockwashers and hex nuts (J). Tighten nuts securely.
6. Position holes in axle bracket (K), over weld bolts in bottom of mill housing (C). Secure with two 3/8 lockwashers and hex nuts (L). Tighten nuts securely.
7. Refer to Fig. 3 for correct positioning of wheel on axle. Slide a flat washer (M), and a wheel (N), over one end of the axle (P). Secure an E-ring (R), in the groove near end of axle. Now slide axle through the hole in one end of axle bracket (K). Flat washer will be between wheel and axle bracket. Push axle through opposite hole in axle bracket. Assemble second flat washer, wheel and E-ring.

instructions before operating

KEEP SCREWS, NUTS
AND BOLTS TIGHT---



NEVER OPERATE THE SHREDDER-BAGGER IN WET GRASS, MUDDY, UNEVEN OR ROUGH TERRAIN. ALWAYS BE SURE OF YOUR FOOTING.

FILL ENGINE CRANKCASE

1. Refer to Fig. 7 for location of oil filler plug. Be sure area around plug is clean.
2. Remove oil filler plug. Insert a small neck funnel in opening and fill crankcase with M.S. S.A.E. 30 oil. If not available, use Multi-Grade All-Weather oil S.A.E. 10W-20W-30W. Use All-state oil or equivalent. Capacity 1-½ pints (24 ounces). In cool spring or fall weather (under 40° F.) All-Weather oil will produce easier starting. Replace oil filler plug.
3. Change oil after first 2 hours of operation and every 25 operating hours thereafter. Check oil every 8 operating hours. Refer to "Engine Lubrication", pages 7 and 8.

FILL FUEL TANK

1. Refer to Fig. 4 for location. Be sure area around fuel cap is clean and remove cap. Fill fuel tank with a good grade of clean, fresh "regular" gasoline. Do not use gasoline that has been stored for any great length of time or has been sitting in some old gas can for a long while. Capacity--1 quart.

WIPE UP ALL SPILLED FUEL OR OIL.

TO START ENGINE

1. To start a cold engine, move speed control knob to "start" position.
2. Grasp recoil starter handle and pull sharply. Do NOT allow starter rope to snap back. Rewind slowly keeping hold of the starter handle at all times.
3. After engine starts, move speed control knob to "fast" position.

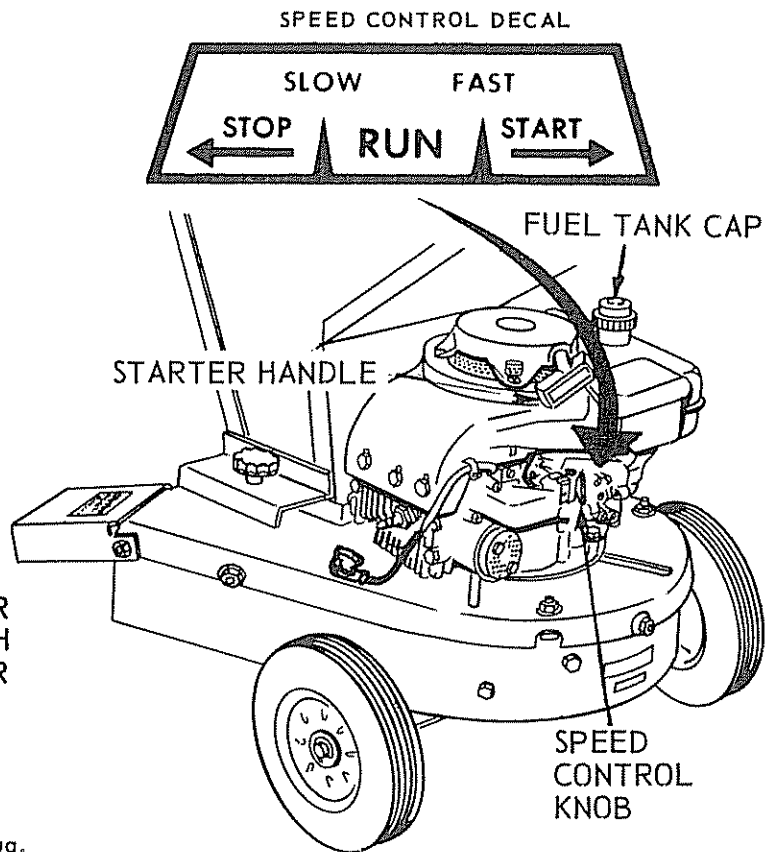


FIG. 4

TO STOP ENGINE

1. To stop engine, move the speed control knob to the "stop" position.



KEEP CHILDREN, PEOPLE
AND PETS AWAY...

preface to operating

There are enumerable ecological and gardening applications for your powerful new SHREDDER-BAGGER. Probably your initial use of this unit will be to substantially reduce lawn and garden bulk by shredding it and bagging it for disposal pick-up. Air pollution ordinances in many areas have made it illegal to burn this bulk, however your SHREDDER-BAGGER will allow you to dispose of it properly.

Another prime use for your SHREDDER-BAGGER will be in the preparation of a compost pile. Shredding accelerates the decomposition process. This is a very valuable asset to every gardener in that it provides an excellent source of soil which is relatively rich in plant food and high in organic content. Compost is of special value for potting house plants, use in greenhouses, gardens and the like. Some other uses are for flower beds, rose beds, and as a top dressing for lawns. The ingredients which go into the preparation of a compost pile vary depending upon the materials available, but they usually consist of sod, grass clippings, weeds, leaves, corn stalk, discarded vegetable greens such as carrot tops, etc. Many local libraries have fine books on gardening and flower bed preparation and maintenance dealing with the preparation of compost piles which will apply to your particular climate, soil conditions and use for the compost pile.

In order to make your SHREDDER-BAGGER a more versatile piece of equipment, Sears offers the following accessories:

1. Lawn Cleanup Cart
2. Bagging Attachment
3. Leaf Ramp
4. Extra-heavy Plastic Bags

operating



CAUTION

BE AWARE OF ALL THE "RULES FOR SAFE OPERATION" LISTED ON PAGE 1.

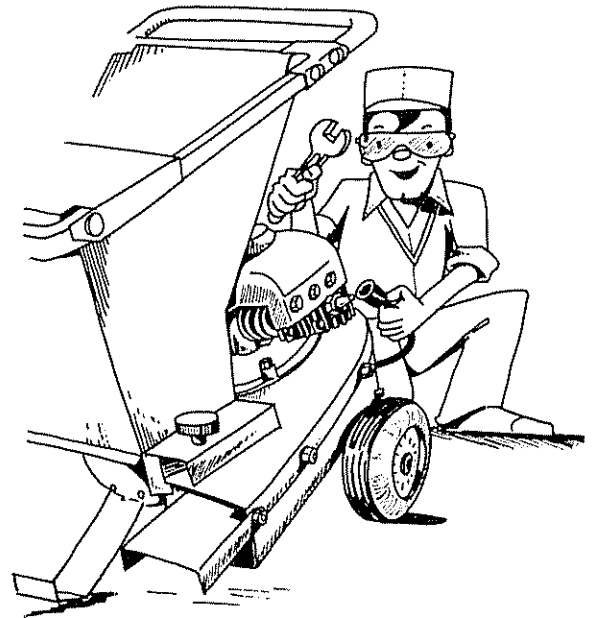


OPERATE ON A
LEVEL SURFACE ONLY

1. Position the Shredder-Bagger on level ground.
2. Fill engine crankcase and fuel tank as described on page 4.
3. Attach spark plug cover and wire to spark plug. Refer to Fig. 4, page 4.
4. Move control knob to "start" position.
5. Grasp recoil starter handle and pull sharply. Do NOT allow starter rope to snap back. Re-wind slowly keeping hold of the starter handle at all times. Several pulls of the starter may be necessary to start the engine for the first time or after it has set idle for a period of time, in order to pump fuel from the tank to the carburetor.

6. After the engine starts, normally move the control knob to "fast" position. However, with a brand new engine, we suggest that the control knob be positioned midway between the "slow" and "fast" setting-- $\frac{1}{2}$ to $\frac{3}{4}$ throttle for the first 15 minutes of running at no load, for engine break-in.
7. To stop engine, move the control knob to the "stop" position.
8. DISCONNECT SPARK PLUG WIRE.

SHUT OFF ENGINE AND REMOVE
SPARK PLUG WIRE WHEN NOT IN
USE - EVEN FOR A MOMENT



PUT ON YOUR SAFETY GLASSES.

Your Shredder-Bagger was designed for optimum operation at full "fast" throttle. Keep guard, at top, rear end of hopper in the closed position at all times. Be sure discharge chute deflector is angled downward so that all shredded material is diverted to discharge toward the ground.

operating

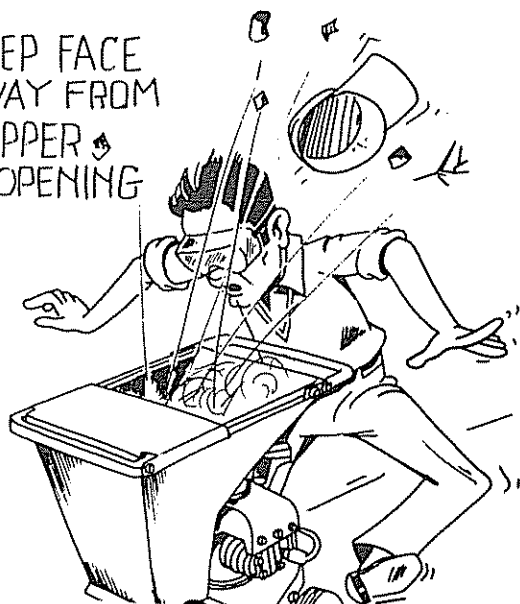
Stalks, long heavy weeds, small diameter branches, etc. can be hand fed into the hopper so that the rate of feed can be controlled to prevent stalling of the engine. However, when this material becomes so short so as to be level with the top of the hopper, let go and the material will feed itself. Do NOT extend hands beyond the top of the hopper.

USE A SMALL STICK TO PUSH MATERIAL INTO HOPPER....



Should it become necessary to push the material down inside the hopper, use only a soft 3 foot long piece of wood such as a 1/4" diameter dowel or plastering lath. Keep face away from hopper opening to avoid bounceback of materials.

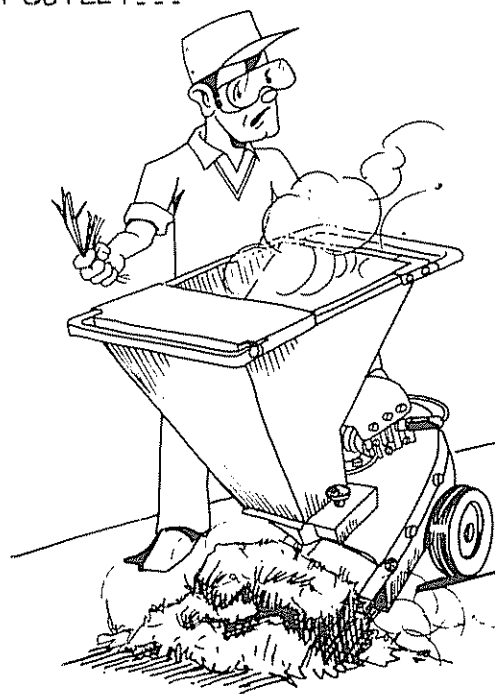
KEEP FACE AWAY FROM HOPPER OPENING



It is possible to feed heavy material (corn cobs, prunings, wet leaves, grass clippings, etc.), too fast so as to load up the hopper and stall the engine. It will take experience to determine the proper rate of material feed into the Shredder for best performance.

It is not necessary to shred all material to a uniform size. REMEMBER, the main purpose of the Shredder is to reduce the bulk.

DO NOT ALLOW MATERIAL TO COLLECT AT OUTLET...



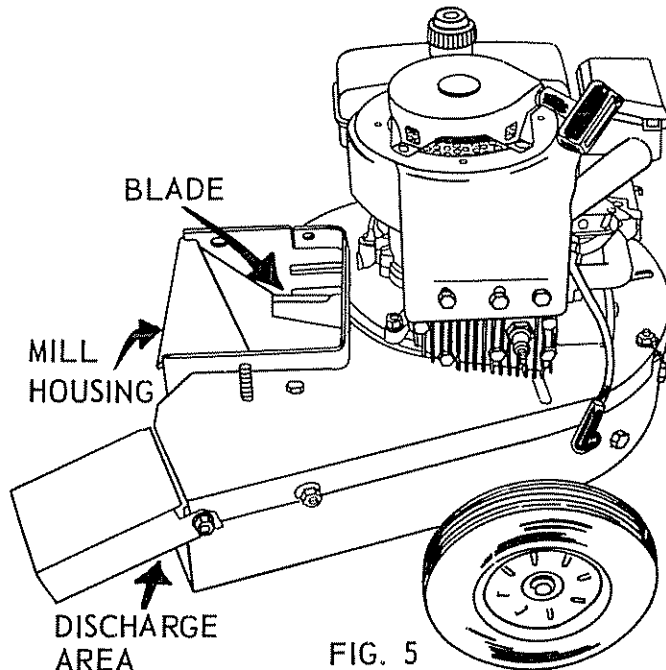
From time to time, it will be necessary to remove the shredded material from the discharge area so that it will not obstruct the flow of other material being shredded in the mill housing and discharged from the discharge chute. When doing this, stop the engine and remove the spark plug wire. Then rake the shredded material to one side before replacing the spark plug wire and re-starting the engine. In the event a bagging attachment is being used, the engine should be stopped and the spark plug wire removed prior to detaching the bag from the bagging attachment. The new bag should be put into place before replacing the spark plug wire and re-starting the engine.

DANGER: WHEN PUTTING MATERIAL IN YOUR SHREDDER-BAGGER BE SURE THAT IT DOES NOT CONTAIN METAL, ROCKS, CANS, BOTTLES OR OTHER FOREIGN MATERIAL.



operating

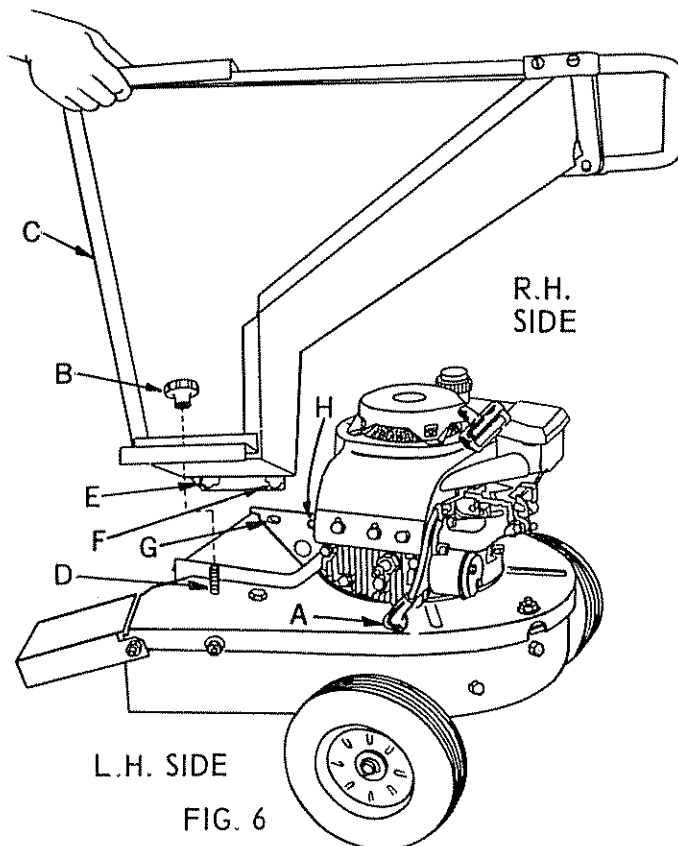
FLOW OF MATERIAL OBSTRUCTED



1. Move engine control knob to "stop" position to shut-off engine.
2. Disconnect spark plug wire.
3. Remove the hopper, refer to Fig. 6.
4. Use a stick or small board to clean out mill housing and discharge area.
5. Replace hopper.
6. Reattach spark plug cover and wire to spark plug and start engine.

maintenance

HOPPER REMOVAL



1. Remove spark plug cover and wire (A), from spark plug.
2. Unscrew and remove hopper hold down knob (B).
3. Lift and tilt hopper (C), to the right so that hopper clears weld pin (D). Now pull hopper (C), to the left to disengage weld pins (E and F), from holes (G and H), in engine pad and discharge separator.

HOPPER REASSEMBLY

1. Lift and tilt hopper (C), into position as shown in Fig. 6. Insert weld pin (F), into round hole (H), of engine pad, now pivot hopper until weld bolt (E), enters slot (G), of discharge separator.
2. Lower hopper until hole in lower left hand side of hopper engages weld pin (D). Secure in place with hopper hold down knob (B).

ENGINE LUBRICATION

DISCONNECT SPARK PLUG WIRE AT SPARK PLUG.



ENGINE OIL

CHANGE OIL AFTER FIRST 2 HOURS OF OPERATION. THEREAFTER, CHANGE OIL EVERY 25 HOURS OF OPERATION.

CHECK OIL LEVEL REGULARLY—AFTER EACH 8 HOURS OF OPERATION. STOP ENGINE, DISCONNECT SPARK PLUG WIRE AT SPARK PLUG AND WAIT SEVERAL MINUTES BEFORE CHECKING OIL LEVEL.



SHREDDER MUST BE ON LEVEL GROUND WHEN CHECKING OIL LEVEL.

BE SURE OIL LEVEL IS MAINTAINED.

NOTE: THE BEST TIME TO DRAIN OIL IS AT THE END OF A DAY'S OPERATION AT WHICH TIME THE OIL IS HOT AND ALL DIRT AND FOREIGN MATERIAL IS SUSPENDED IN THE OIL.

maintenance

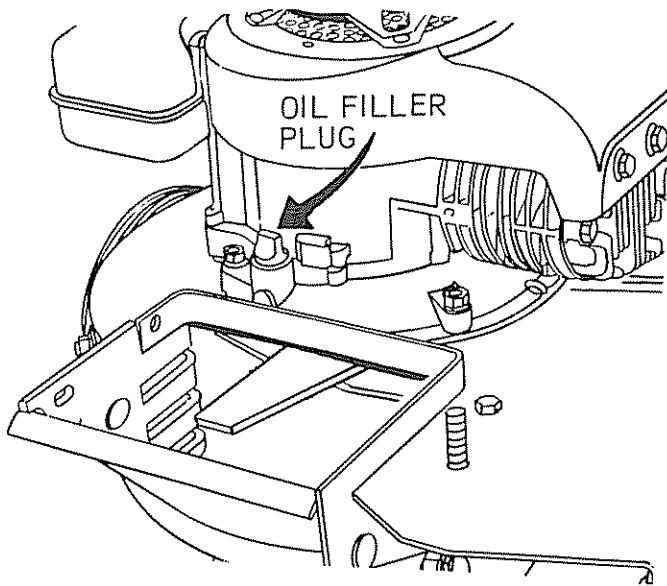


FIG. 7

1. Remove hopper, refer to page 7.
2. Remove oil filler plug while engine is warm.

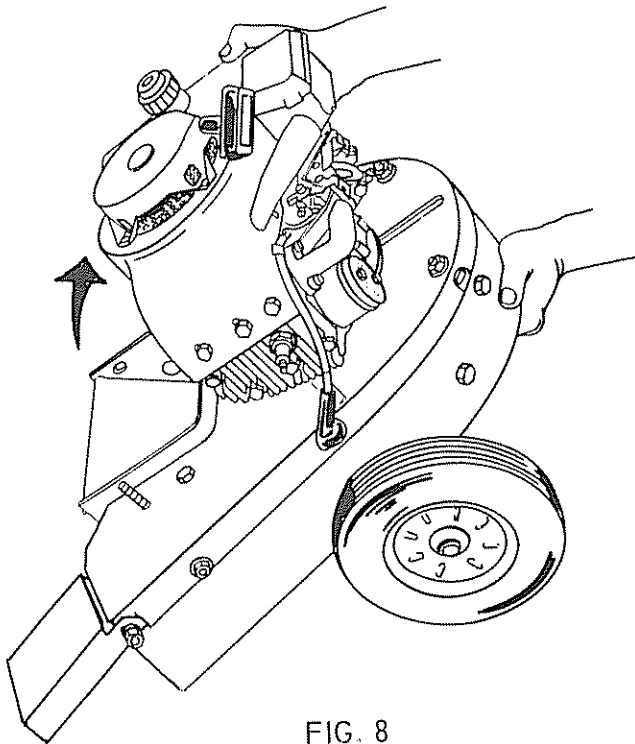
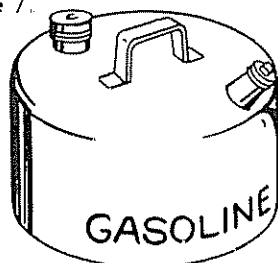


FIG. 8

3. Tip Shredder on its side as shown in Fig. 8. DRAIN ALL USED OIL COMPLETELY, and wipe up any oil that has collected on the Shredder.
4. Sit Shredder upright and refill engine crankcase with oil as instructed on page 4. Replace oil filler plug. Wipe up any spilled oil.
5. Replace hopper, refer to page 7.

KEEP GASOLINE IN AN APPROVED, TIGHTLY SEALED CONTAINER. NEVER FILL SHREDDER-BAGGER FUEL TANK INDOORS.



SERVICE INSTRUCTIONS

The torque of the mandrel nut is VERY CRITICAL. If nut is tightened too tight, clutch will not slip and should some foreign object enter the mill housing, extensive damage could occur to the mandrel, blades and engine.

It is probable that the blades will never need sharpening. We STRONGLY RECOMMEND that should any repairs or adjustment be required to the mandrel, blades or engine (requiring removal of the mandrel nut), that the Shredder-Bagger be returned to your Sears store or service center for inspection and service.

Certain normal owner maintenance must be performed to obtain longest life and trouble free use of your engine. Servicing of the air cleaner regularly is of the utmost importance. Refer to the engine manual for information regarding the air cleaner, carburetor and spark plug.

HOW TO CLEAN

When you are through operating the Shredder for the day, flush out the residue that has collected inside the machine. Run some water into the hopper with a garden hose while the engine is running at "slow" speed. CAUTION: Do NOT place hose inside the hopper. Avoid getting water on engine. Shut-off engine and disconnect spark plug. Tip the Shredder to allow excess water to drain out the discharge area. Clean the engine, refer to engine manual.

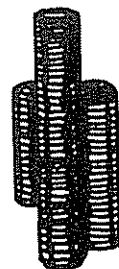
STORAGE

In the event your Shredder is to be inoperative for periods in excess of 30 days--prepare for storage as outlined below:

1. Stop engine, disconnect spark plug and allow engine to cool down.
2. Completely clean inside and outside of Shredder.
3. Refer to engine manual for engine storage instructions.
4. Apply a light coat of grease or rust preventative to hopper, blades and inside walls of mill housing.
5. Store in a clean, dry building.
6. Do not save or store gasoline over winter.

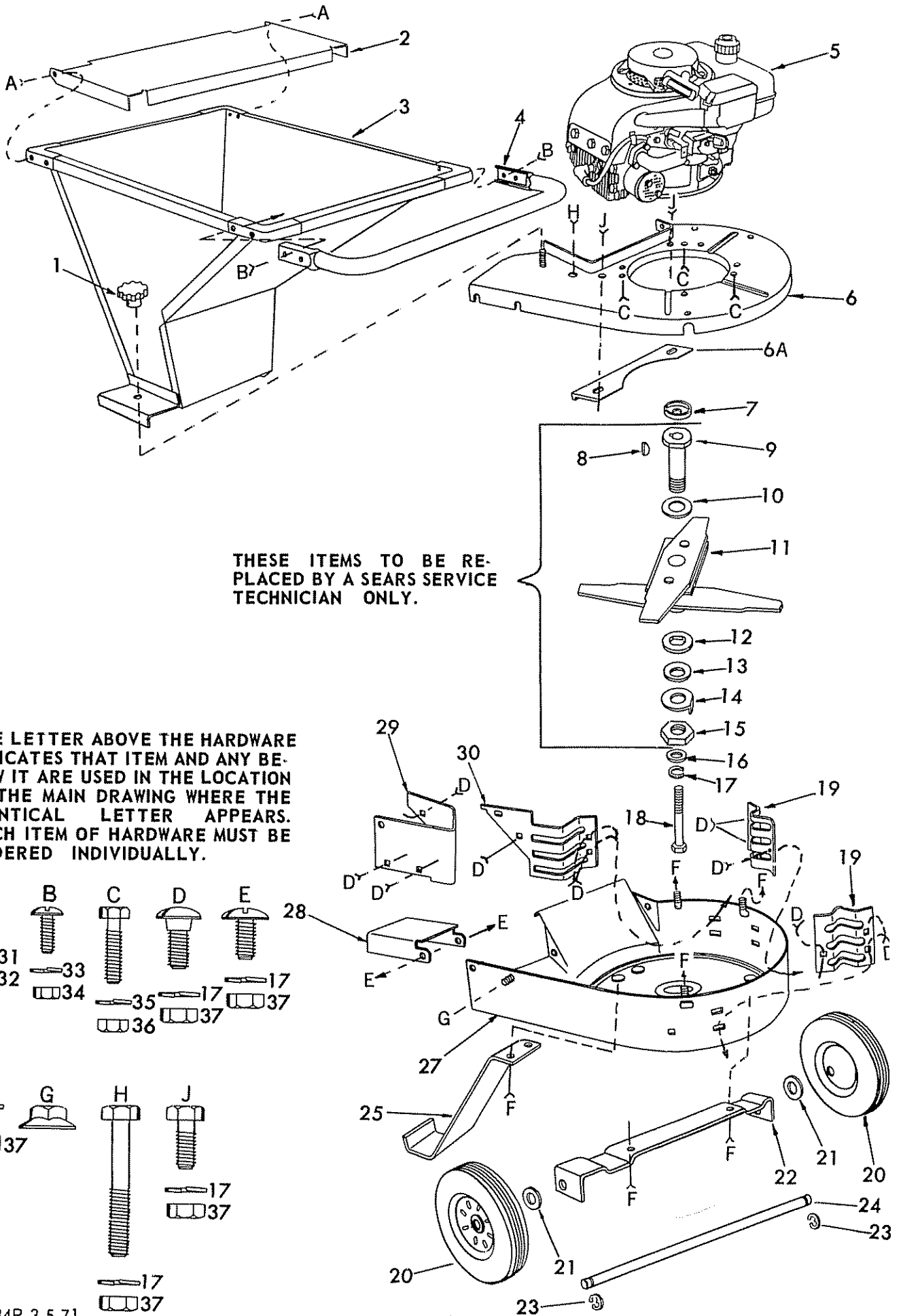
SAFETY

Pays Off



repair parts

3.5 H.P. SHREDDER-BAGGER
MODEL NUMBER 917.285230



repair parts

3.5 H.P. SHREDDER-BAGGER MODEL NUMBER 917.285230

658x1

KEY NO. or LETTER	PART NO.	DESCRIPTION
1	1417R	Hold Down Knob
2	1396R	Guard
3	658A11	Hopper
4	1424R	Handle
5	658A15	Engine, Craftsman Model No. 143.214302 See Price List 932.00 for Ordering Information
6	658A14	Engine Pad Assembly
6A	2052R	Breaker Angle
7	1383R	Formed Cup
8	4919H	Woodruff Key
9	1376R	Mandrel
10	1521R	Wear Washer
11	658A29	Blade Weldment
12	1405R	Drive Washer
13	1423R	Compression Washer
14	1482R	Nut Lock Plate
15	1380R	Nut
16	1404R	Mandrel Washer
17	1004P	*Lockwasher 3/8
18	3246P	Bolt, Finished Hex 3/8-24 UNF x 2-1/4 Heat Treated
19	1402R	Breaker Plate
20	626A133	Wheel
21	1545P	*Washer 17/32 x 1 x 16 Ga.
22	1403R	Axle Bracket
23	5002P	E-Ring
24	1375R	Axle
25	2015R	Ground Pad
27	658A13	Mill Housing Assembly
28	1399R	Deflector
29	1401R	Discharge Separator
30	1382R	Breaker Plate-Heavy
31	1422R	Spring Washer
32	1605H	Lock Nut
33	1002P	*Lockwasher 1/4
34	503P	*Nut, Hex ASF 1/4 - 20 UNC
35	1003P	*Lockwasher 5/16
36	504P	*Nut, Hex ASF 5/16 - 18 UNC
37	501P	*Nut, Hex ASF 3/8 - 16 UNC
A	3241P	*Machine Screw, Truss Hd. Slotted 1/4 - 20 UNC x 1/2
B	3240P	*Machine Screw, Truss Hd. Slotted 1/4 - 20 UNC x 3/4
C	3012P	*Bolt, Finished Hex 5/16 - 18 UNC x 1-1/4
D	19P	*Bolt, Sq. Neck Carriage 3/8 - 16 UNC x 3/4
E	3242P	*Machine Screw, Truss Hd. Slotted 3/8 - 16 UNC x 3/4
F	1004P	*Lockwasher 3/8
G	1421R	Lock Nut
H	3251P	*Bolt, Finished Hex 3/8 - 16 UNC x 5
J	3021P	*Bolt, Finished Hex 3/8 - 16 UNC x 3/4
-----	1434R	Owners Manual

658X7

1117 shield & seal

*Standard Hardware Items-May be Purchased Locally -Specify Plated

Sears, Roebuck and Co. or Simpsons-Sears Limited in Canada reserves the right to make any changes in design or improvements without imposing any obligation to install the same upon its items heretofore manufactured.

Sears

owners manual

3.5 H.P. SHREDDER-BAGGER

**MODEL NO.
917.285230**

The Model Number will be found on a plate attached to the Mill Housing. Always mention the Model Number when requesting service or repair parts for your SHREDDER-BAGGER.

All parts listed herein may be ordered through SEARS, ROEBUCK AND CO. or SIMPSONS-SEARS LIMITED. When ordering parts by mail, selling prices will be furnished on request or parts will be shipped at prevailing prices and will be billed accordingly.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST.

1. The PART NUMBER
2. The PART DESCRIPTION
3. The MODEL NUMBER
4. 917.285230
4. The NAME OF ITEM—
SHREDDER-BAGGER

Your Sears Merchandise takes on added value when you discover that Sears has over 2,000 Service Units throughout the country. Each is staffed by Sears-trained, professional technicians using Sears approved parts and methods.

**SEARS SERVICE
IS AT YOUR SERVICE
WHEREVER YOU LIVE
OR MOVE
IN THE U.S.A.**

SEARS, ROEBUCK AND CO. U.S.A.
SIMPSONS-SEARS LIMITED, CANADA