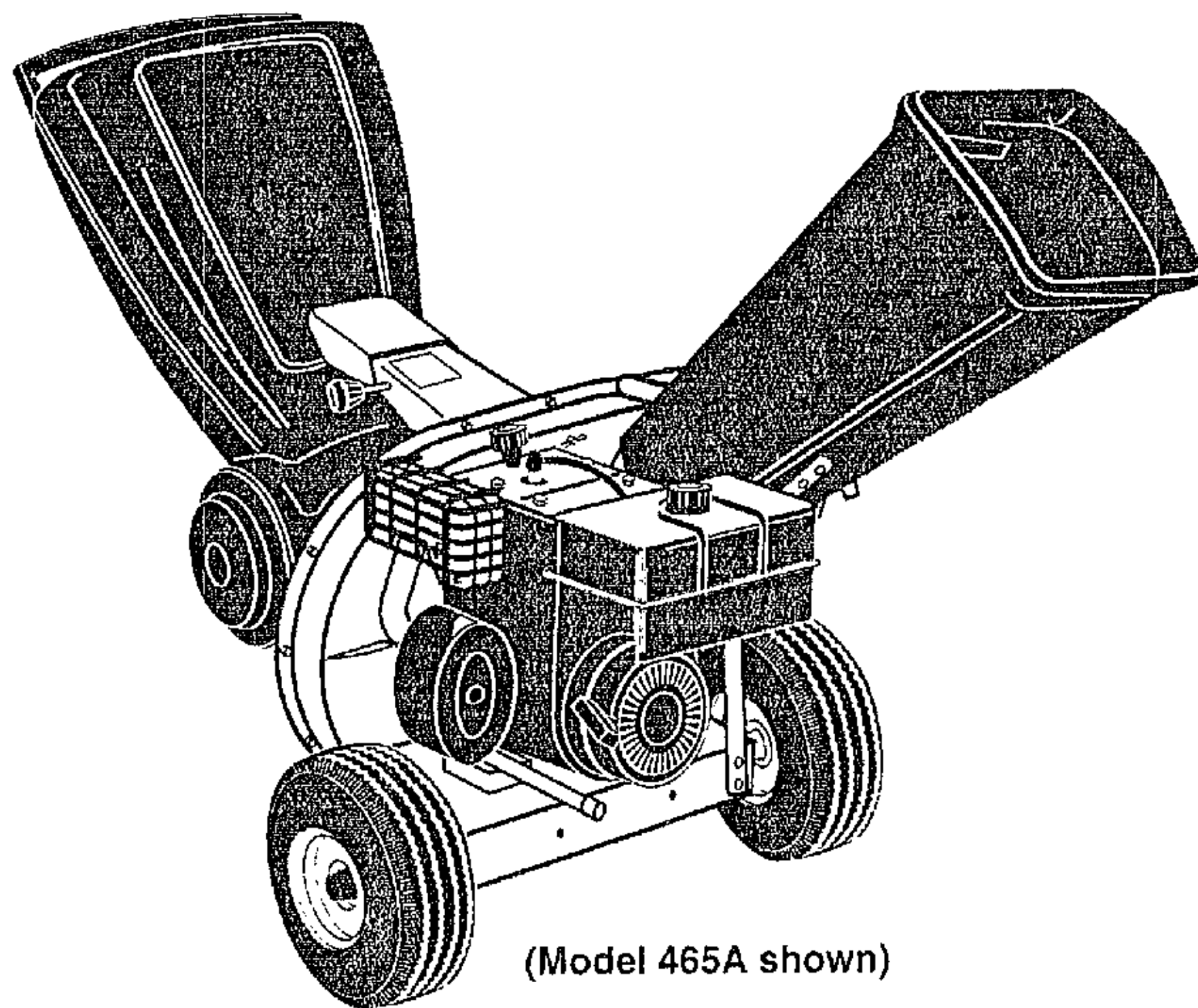


OWNER'S GUIDE

Chipper - Shredders
Model Series
462B 5 H.P.
thru
465A 8 H.P.



(Model 465A shown)



IMPORTANT: READ SAFETY RULES AND INSTRUCTIONS CAREFULLY

Warning: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator. In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest engine authorized service dealer or contact the service department, P.O. Box 368022 Cleveland, Ohio 44136-9722.

MTD PRODUCTS INC. P.O. BOX 368022 CLEVELAND, OHIO 44136-9722

SECTION 1: IMPORTANT SAFETY PRACTICES



WARNING: THIS SYMBOL POINTS OUT IMPORTANT SAFETY INSTRUCTIONS WHICH, IF NOT FOLLOWED, COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OF YOURSELF 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 SEE THIS SYMBOL: HEED ITS WARNING.



DANGER: 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.

1. GENERAL OPERATION

- Read this owner's guide carefully in its entirety before attempting to assemble this machine. Read, understand, and 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 shred vegetation found in a normal yard. Do not use it for any other purpose.
- 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 individuals who are familiar with these rules of safe operation should be allowed to use your unit.
- Keep the area of operation clear of all persons, particularly 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.
- 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.
- Always wear safety glasses or safety goggles, during operation and while performing an adjustment or repair, to protect eyes from foreign objects that may be thrown from the machine.
- Wear sturdy, rough-soled work shoes and close fitting slacks and shirt. Shirt and slacks that cover the arms and legs and steel-toed shoes are recommended. Do not wear loose fitting clothes or jewelry and secure hair so it is above shoulder length. They can be caught in moving parts. Never operate a unit in bare feet, sandals or sneakers. Wear gloves when feeding material in the chipper chute or shredder hopper.
- Never place your hands, feet, or any part of your body 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 necessary to push material into the chipper chute or shredder hopper, use a small diameter stick, NOT YOUR HANDS.
- If it is necessary for any reason to unclog the feed 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 alcohol or drugs.
- The machine should only be operated on a level surface. Never operate your unit on a slippery, wet, muddy or icy 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.
- Do not allow an accumulation of processed material to build-up in the discharge area as this will prevent proper discharge and can result in kick-back from the chipper chute.
- Keep your face and body back from chipper chute to avoid accidental bounce back of any material.
- Do not transport machine while engine is running.
- 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.

- 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.
- Muffler and engine become hot and can cause a burn. Do not touch.
- 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.
- 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.
- Only operate unit in good daylight. Do not operate unit at night or in dark areas where your vision may be impaired.
- 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.
- Extinguish all cigarettes, cigars, pipes and other sources of ignition.
- Never refuel unit indoors because flammable vapors will accumulate in the area.
- 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.
- 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.
- 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.
- 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.
- 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.

2. CHILDREN

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

- Keep children out of the work area and under the watchful eye of a responsible adult other than the operator.
- 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.

3. SERVICE

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



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.

SECTION 2: FINDING YOUR MODEL NUMBER

This Owner's Guide is an important part of your new chipper shredder. It will help you assemble, prepare and maintain your chipper shredder. Please read and understand what it says.

Before you start to prepare your chipper shredder for its first use, please locate the model plate and copy the information from it in this Owner's Guide. The information on the model plate is very important if you need help from your dealer or the MTD customer support department.

- Every chipper shredder has a model plate. You can locate it by standing behind the unit in the operating position and looking down at the frame next to the engine.
- The model plate will look like Figure 1.

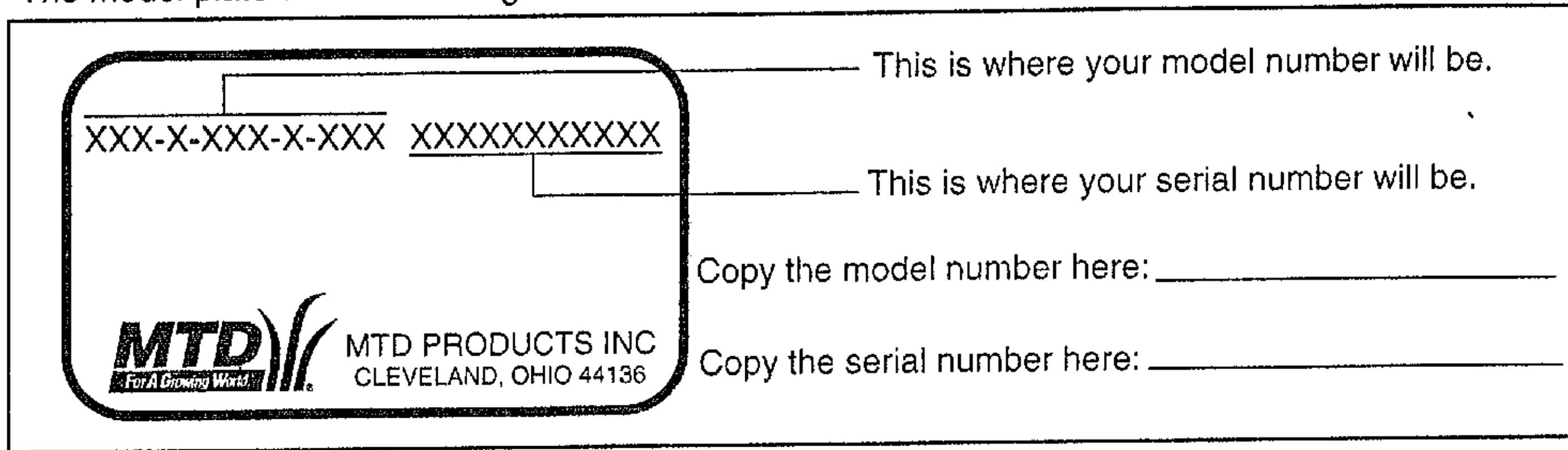


Figure 1

SECTION 3: CALLING CUSTOMER SUPPORT

If you are having difficulty assembling this product or if you have any question regarding the controls, operation or maintenance of this chipper shredder, please call the Customer Support Department. You can reach them by calling:

1-800-800-7310

Before you call, make sure that you have both your model and serial number ready. By having the model and serial number ready, you help the Customer Support Representative give you faster service. To find your units model and serial number, see SECTION 2: FINDING YOUR MODEL NUMBER.

SECTION 4: UNPACKING INSTRUCTIONS

REMOVE UNIT FROM CARTON

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

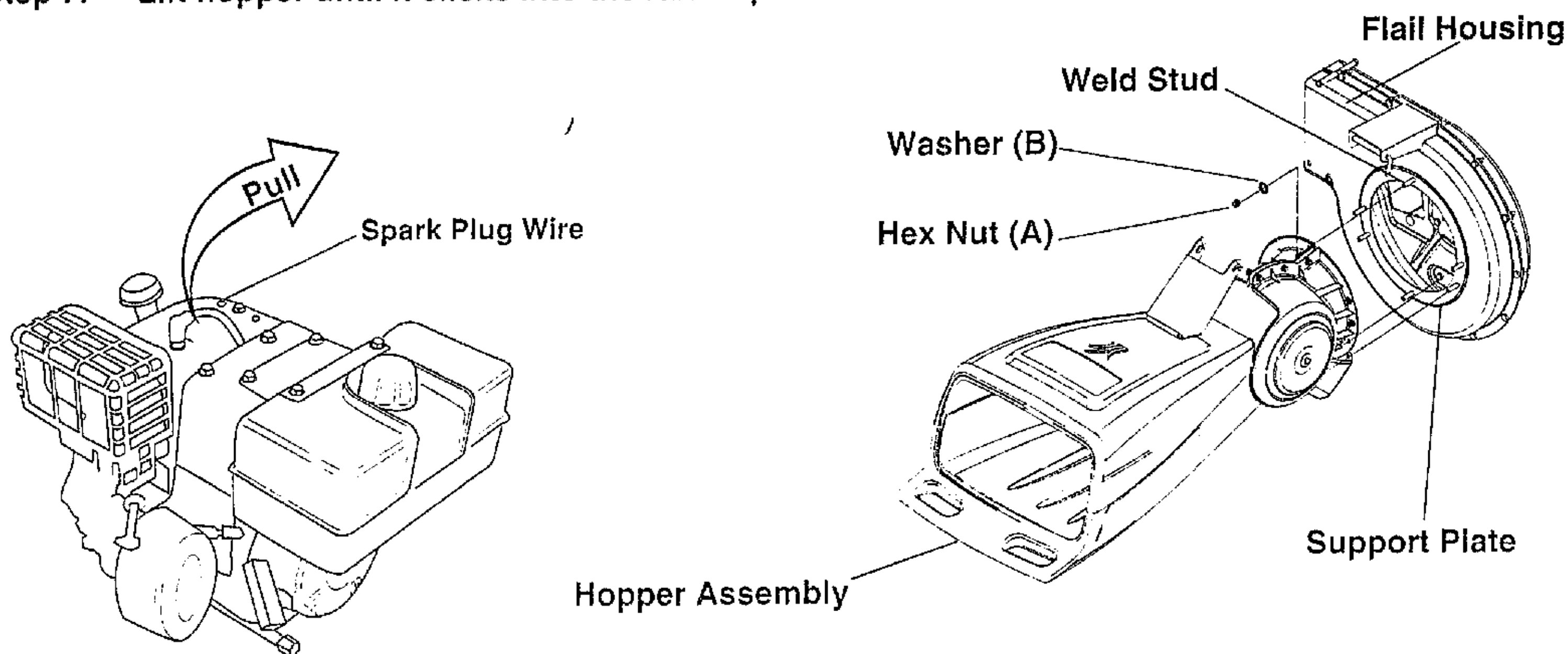
SECTION 5: SET-UP INSTRUCTIONS

This guide covers models 462B 5 H.P. thru 465A 8 H.P. chipper shredders. Much of this guide pertains to both models. However, there are some areas where only one model is covered. Use only the information that is appropriate for your model.

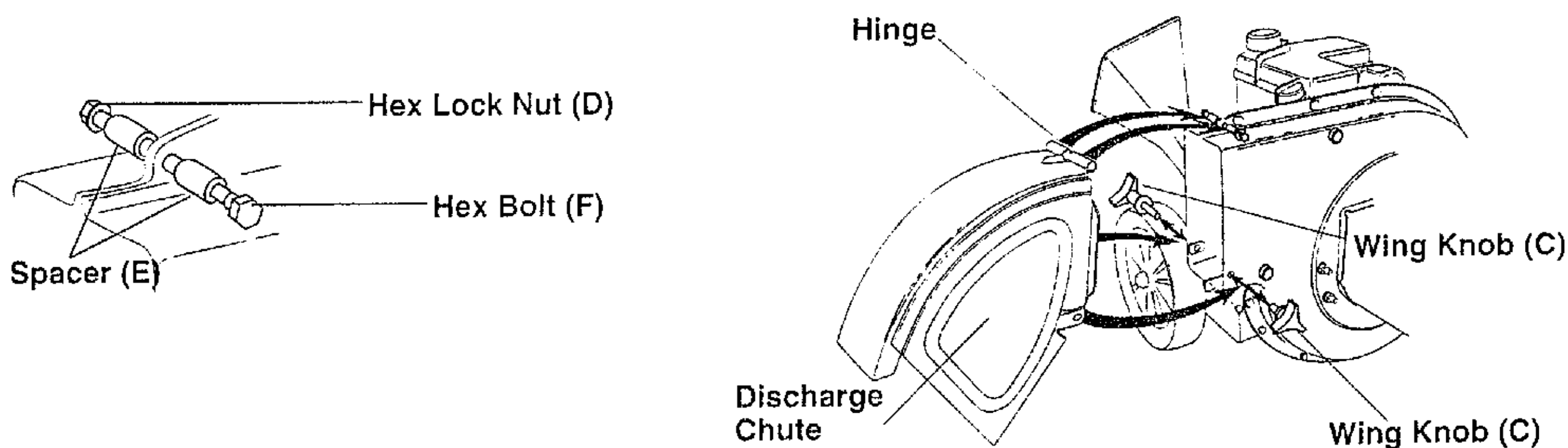
Start with Step 1 to set-up you new chipper shredder.

All models.

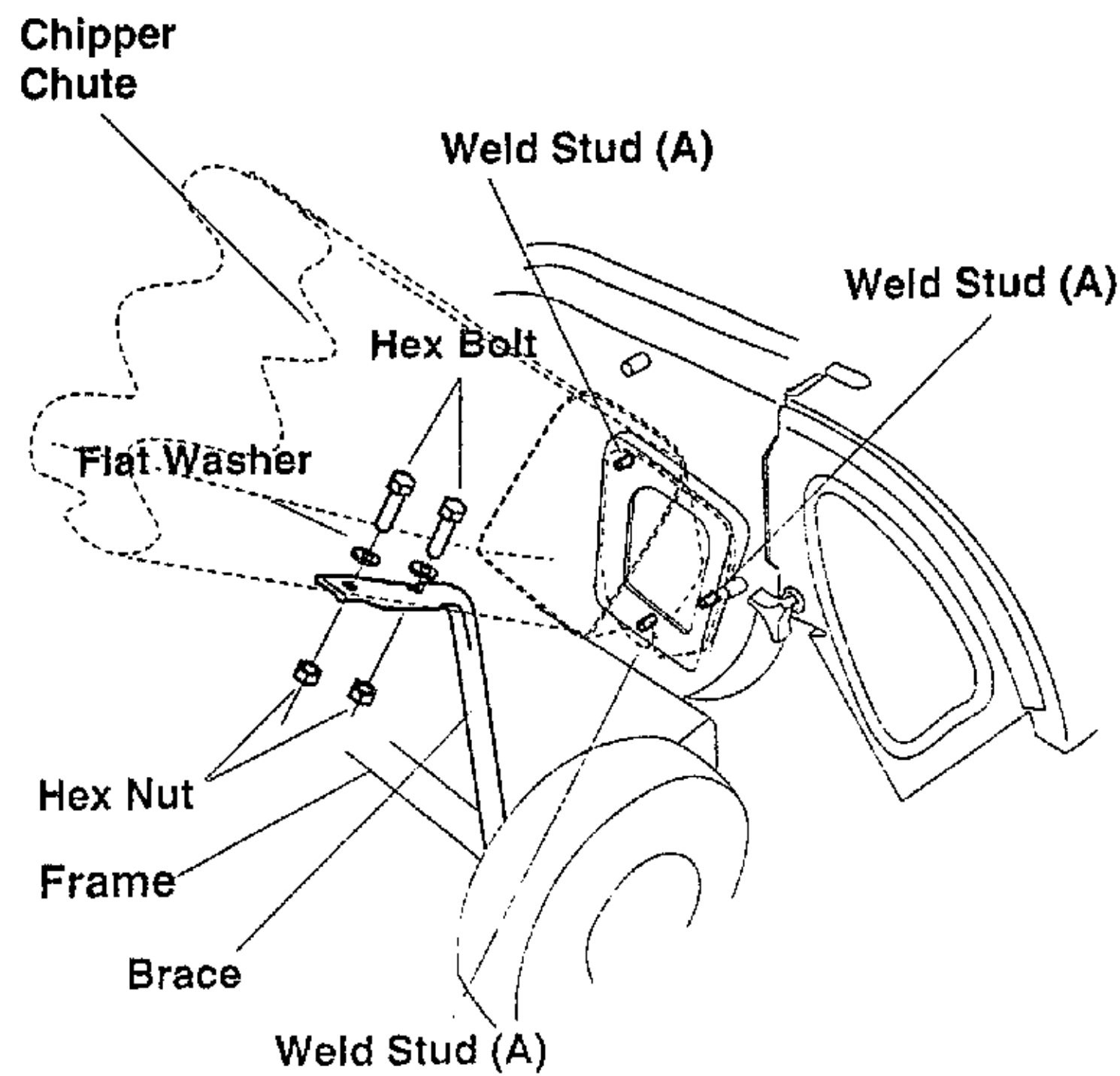
- Step 1. Pull the spark plug wire off of the spark plug.
- Step 2. Remove six hex nuts (A) and six washers (B) from the weld studs on the flail housing. Leave the support plate in place on the weld studs.
- Step 3. Place hopper assembly into position in front of flail housing. Align holes in hopper assembly collar with weld studs on flail housing.
- Step 4. Slide hopper assembly onto weld studs.
- Step 5. Replace the washers (B) and the hex nuts (A).
- Step 6. Tighten the hex nuts (A).
- Step 7. Lift hopper until it clicks into the raised position.



- Step 8. Remove wing knobs (C) from each side of the discharge chute opening on the chipper shredder.
- Step 9. Use two 7/16" wrenches to remove hex lock nut (D). Remove two spacers (E), and hex bolt (F) from top of the housing assembly. For easy assembly, do not remove the second spacer from the hex bolt.
- Step 10. Place the discharge chute in position on the discharge opening. Insert hex bolt (F) and spacer (E) through hinge on discharge chute and housing (spacer fits inside of hinge).
- Step 11. Place second spacer (E) over hex bolt (F) inside the other half of the hinge. Secure with hex lock nut (D). Tighten securely.
- Step 12. Secure both sides of discharge chute to flail housing using wing knobs (C). Tighten wing knobs.



ATTACHING THE CHIPPER CHUTE (Model 465A 8 H.P. chipper shredders only)

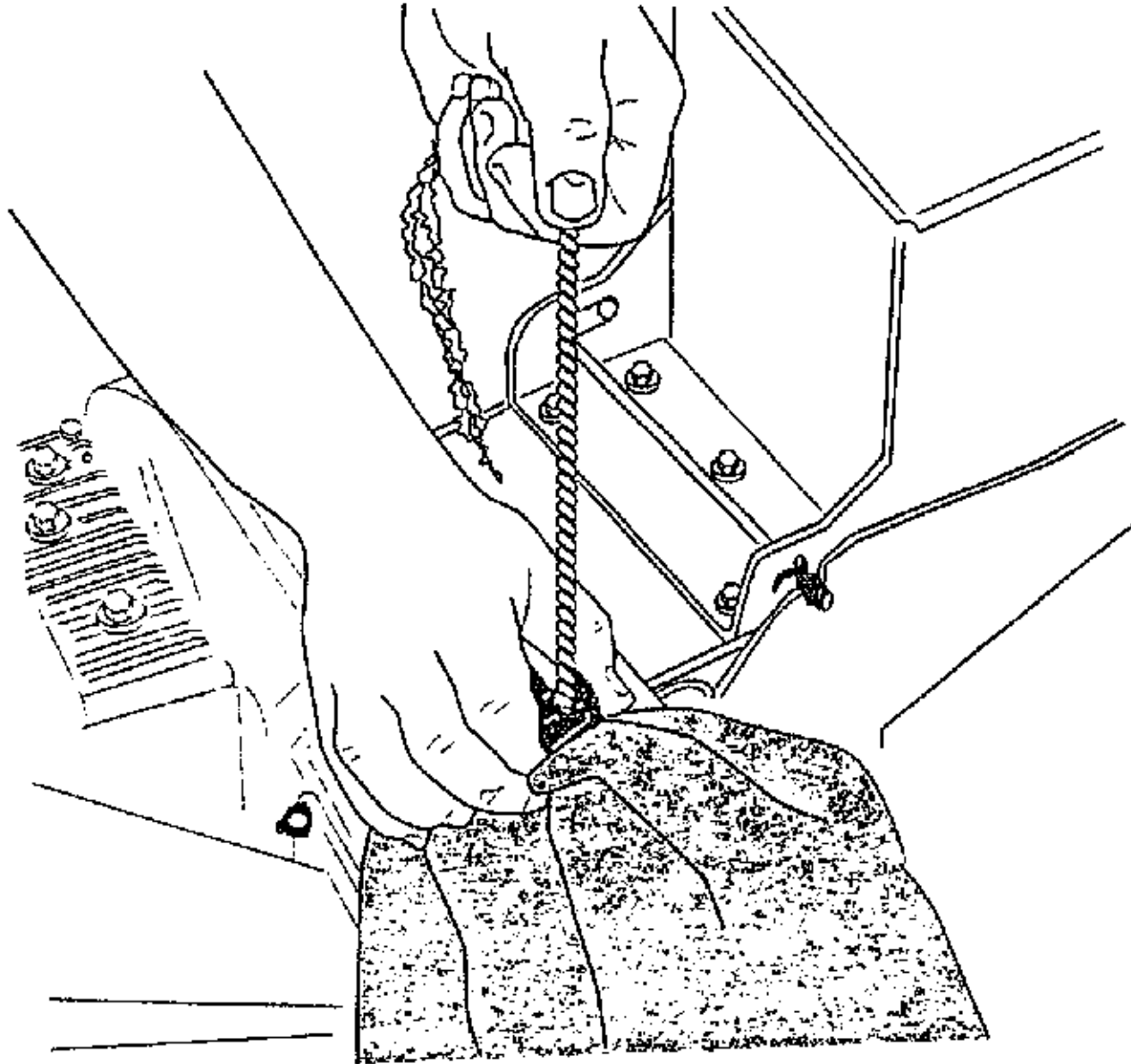


- Step 13. Remove the three cupped washers and hex nuts from the weld studs beside (A) the opening on the left side of the housing.
- Step 14. Remove the two hex bolts, lock nuts, and flat washers from the two holes on the upper end of the brace.
- Step 15. Place the chipper chute over the weld studs so the slot on the chute is towards the bottom. Align the three holes on the chute with the three weld studs.
- Step 16. Replace the three cupped washers (cupped side against the chipper chute) and hex nuts that you removed in step 13. Do not tighten the nuts at this time. Make sure to place the cupped side of the washer against the chipper chute.
- Step 17. Your unit is shipped with one end of the brace already secured to the lower frame. Loosen the bolts securing the brace to the frame.
- Step 18. Align the holes on the chute with the holes on the brace.
- Step 19. Attach brace to chipper chute with the hardware removed earlier from the brace. See the illustration above for proper order. Tighten.
- Step 20. Tighten the bolts securing the brace to the frame.
- Step 21. Tighten the three nuts on the weld studs holding the chipper chute to the flail housing.

ALL MODELS

Step 22. To attach the bag, place the opening of the bag over the chute deflector so it completely covers the chute deflector.

Step 23. Depress the plunger on the drawstring, and pull on the drawstring until the bag is tight around the chute opening. Release plunger to lock it into position.



Step 24. Remove oil fill dipstick.

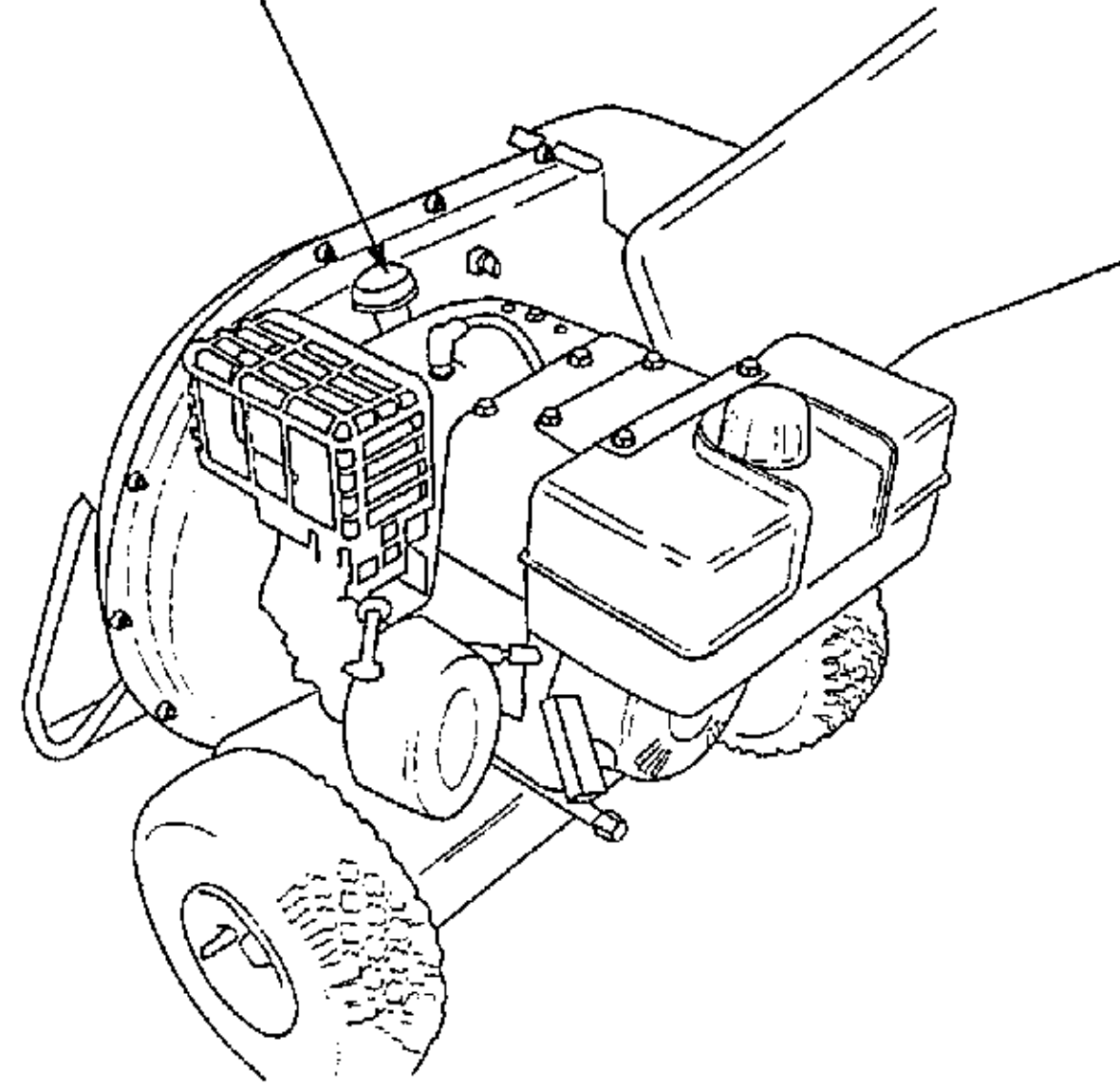
Step 25. With chipper shredder on level ground, use a funnel to fill engine with oil to FULL mark on dipstick.

Step 26. Check oil level.

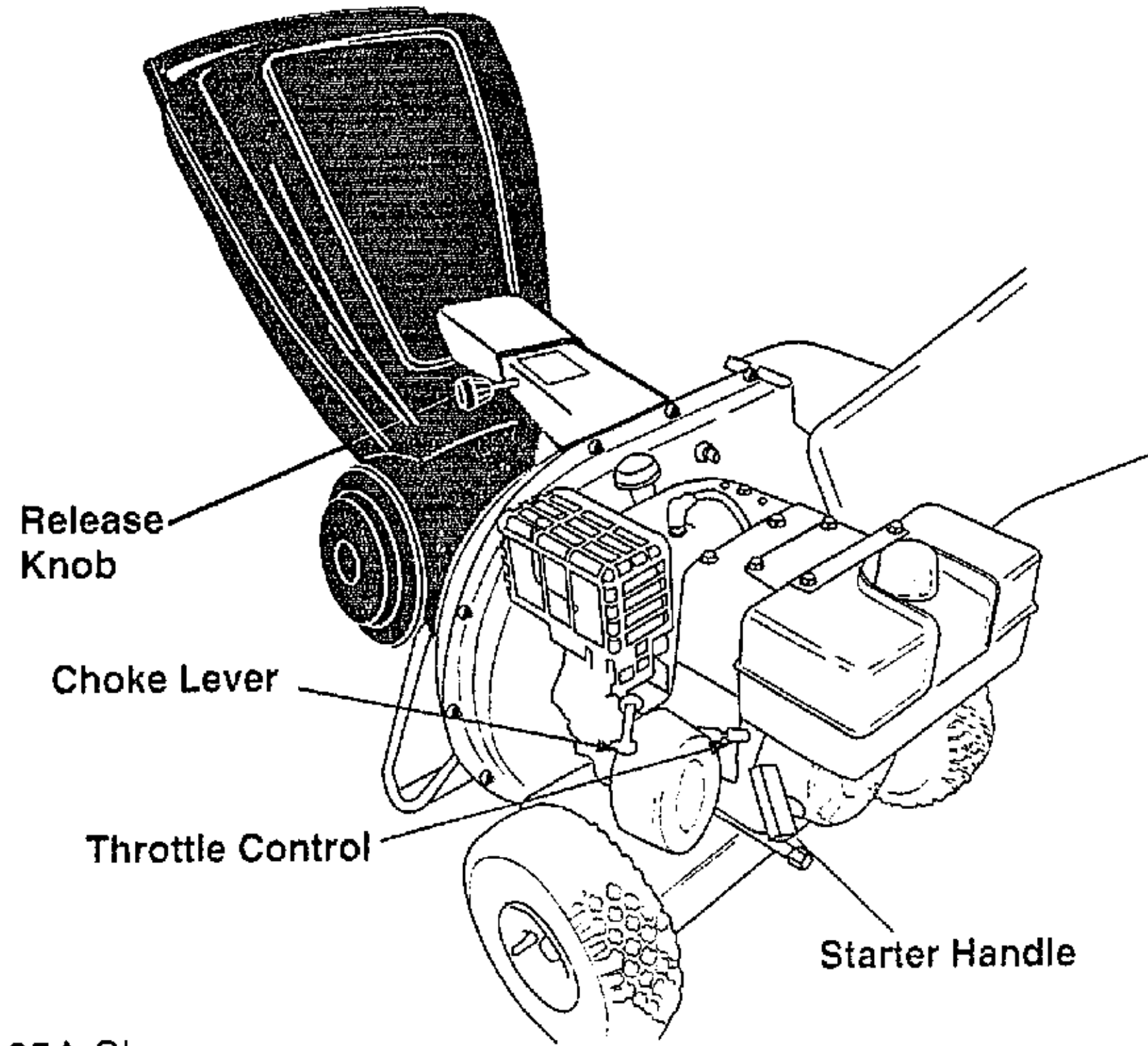
Step 27. Add oil if necessary.

Step 28. Replace dipstick and tighten.

Remove dipstick
and fill oil



SECTION 6: CONTROLS



Model 465A Shown

Figure 2

Release Knob: Used to release the hopper when raising or lowering.

Choke Lever: Used to enrich the fuel mixture in the carburetor when starting a cold engine.

Starter Handle: Used to manually start the engine.

Hopper Assembly: Allows leaves and small branches up to 1" diameter to be fed into the impeller for chipping and shredding. Lower the hopper to collect raked material for shredding.

Throttle Control (if equipped): Regulates speed of the engine.

Chipper Chute: Allows bulky vegetation like stalks or heavy branches to be fed into the impeller for chipping and shredding. Maximum diameter is 3" on model 465A and 2" on model 462B.

Catcher Bag (Not Shown): Used to collect the shredded material.