

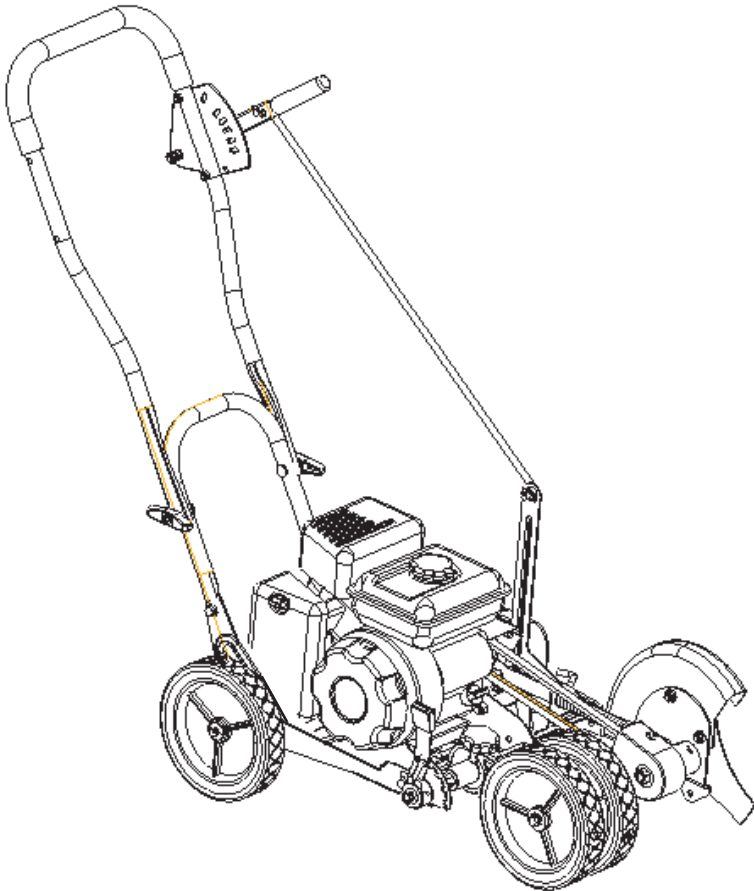
OPERATOR' S MANUAL

Edger/Trimmer

2.8 HORSEPOWER, 4-stroke engine

9 INCH BLADE

MODEL:400028



CAUTION: Before using this product, read this manual and follow all of this
S afe ty R ules and Operating Instructions.

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WARRANTY STATEMENT

LIMITED TWO-YEAR WARRANTY ON ARDISAM EDGER

For two years from the date of purchase, when this Ardisam Edger is maintained, lubricated, and tuned up according to the operating and maintenance instructions in the owner's manual, Ardisam will repair, free of charge, any defect in material or workmanship.

If this Ardisam Edger is used for commercial or rental purposes, this warranty applies for only 90 days from the date of purchase.

This warranty does not cover the following:

- Expendable items which become worn during normal use, such as spark plugs, etc.
- Repairs necessary because of operator abuse or negligence, including bent crank shafts and the failure to maintain the equipment according to the instructions contained in the owner's manual.

WARRANTY SERVICE IS AVAILABLE BY RETURNING THE ARDISAM EDGER TO THE NEAREST ARDISAM SERVICE CENTER IN THE UNITED STATES. THIS WARRANTY APPLIES ONLY WHILE THIS PRODUCT IS IN USE IN THE UNITED STATES.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



Engine Exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. WASH HANDS AFTER HANDLING.

IMPORTANT: This unit is equipped with an internal combustion engine and must 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 must 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/muffler is available through your nearest Ardisam Service Center (see the REPAIR PARTS section in this manual).

SAFETY RULES

Safe Operation Practices for Edger.



WARNING: Look for this symbol to point out important safety precautions. It means: "Attention! Become Alert! Your Safety Is Involved."



WARNING: To prevent accidental starting when setting-up, transporting, adjusting or making repairs, always disconnect spark plug wire and put wire where it cannot contact the spark plug .

Before Use

- Read the owner's manual carefully. Be thoroughly familiar with the controls and the proper use of the Edger. Know how to stop the Edger and disengage the controls quickly.
- Do not operate the Edger without wearing adequate outer garments. Wear footwear that will improve footing on slippery surfaces.
- Keep the area of operation clear of all persons, particularly small children and pets.
- Thoroughly inspect the area where the Edger is to be used and remove all foreign objects.

Fuel Safety

- Handle fuel with care; it is highly flammable.
- Use an approved container.
- Check fuel supply before each use, allowing space for expansion as the heat of the engine and/or sun can cause fuel to expand.
- Fill fuel tank outdoors with extreme care. Never fill fuel tank indoors. Replace fuel tank cap securely and wipe up spilled fuel.
- Never remove the fuel tank cap or add fuel to a running or hot engine.
- Never store fuel or Edger with fuel in the tank inside a building where fumes may reach an open flame.

Operating Safety

- Never allow children or young teenagers to operate the Edger. Keep them away while it is operating. Never allow adults to operate the Edger without proper instruction.
- Do not operate this machine if you are taking drugs or other medication which can cause drowsiness or affect your ability to operate this machine.
- Do not use this machine if you are mentally or physically unable to operate this machine safely.
- Always wear safety glasses or eye shields during operation or while performing an adjustment or repair to protect your eyes from foreign objects that may be thrown from the Edger.
- Do not put hands or feet near or under rotating parts.
- Exercise extreme caution when operating on or crossing gravel drives, walks, or roads. Stay alert for hidden hazards or traffic.
- Exercise caution to avoid slipping or falling.
- Never operate the Edger without proper guards, plates, or other safety protective devices in place.
- Never operate the Edger at high transport speeds on slippery surfaces. Look behind and use care when backing.
- Never allow bystanders near the Edger.
- Keep children and pets away while operating.
- Never operate the Edger without good visibility or light.
- Do not run the engine indoors. The exhaust fumes are dangerous, containing CARBON MONOXIDE, an ODORLESS and DEADLY GAS.
- Take all possible precautions when leaving the Edger unattended. Stop the engine.
- Do not overload the Edger capacity by attempting to till too deep at too fast a rate.

SAFETY RULES

Safe Storage

- Always refer to the owner's manual instructions for important details if the Edger is to be stored for an extended period.
- Never store the Edger with fuel in the fuel tank inside a building where ignition sources are present such as water and space heaters, clothes dryers, and the like. Allow the engine to cool before storing in any enclosure.
- Keep the Edger in safe working condition. Check all fasteners at frequent intervals for proper tightness.

Repair / Adjustments Safety

- After striking a foreign object, stop the engine. Remove the wire from the spark plug, and keep the wire away from the plug to

prevent accidental starting. Thoroughly inspect the Edger for any damage, and repair the damage before restarting and operating it.

- If Edger should start to vibrate abnormally, stop engine and check immediately for the cause. Vibration is generally a warning of trouble.
- Stop the engine whenever you leave the operating position. Also, disconnect the spark plug wire before unclogging the blade and when making any repairs, adjustments, or inspections.
- When cleaning, repairing, or inspecting, shut off the engine and make certain all moving parts have stopped.
- Never attempt to make any adjustments while the engine is running.

SAFETY RULES

INTERNATIONAL SYMBOLS

IMPORTANT: Many of the following symbols are located on your unit or on literature supplied with the product. Before you operate the unit, learn and understand the purpose for each symbol.

Control And Operating Symbols



Slow



Fast



Fuel



Oil



Primer Button

Safety Warning Symbols



WARNING
Thrown Objects.
Keep Bystanders Away.



WARNING
Rotating Parts. Stop Engine.
Disconnect Spark Wire Before
Making Adjustments.



WARNING



IMPORTANT
Read Owner's Manual
Before Operating
This Machine.



WARNING
Wear Eye Protection



STOP

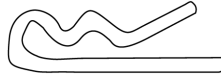
ASSEMBLY

ASSEMBLY

Parts Packed Separately In Carton

1 - Owner's Manual (not shown)

2 - Hair Pin



2 - Hair Pin



WARNING: Always wear safety glasses or eye shields while assembling the Edger

Figure 1 shows the Edger completely assembled.

References to the right or left side of the Edger are from the viewpoint of the operator's position behind the unit.

REMOVE THE EDGER FROM THE CARTON

1. Remove the bottle of oil and parts bag from the carton.
2. Cut down all four corners of the carton.
3. Remove the packing material positioned around the unit.
4. Roll the Edger out of the carton and place on a hard level surface.

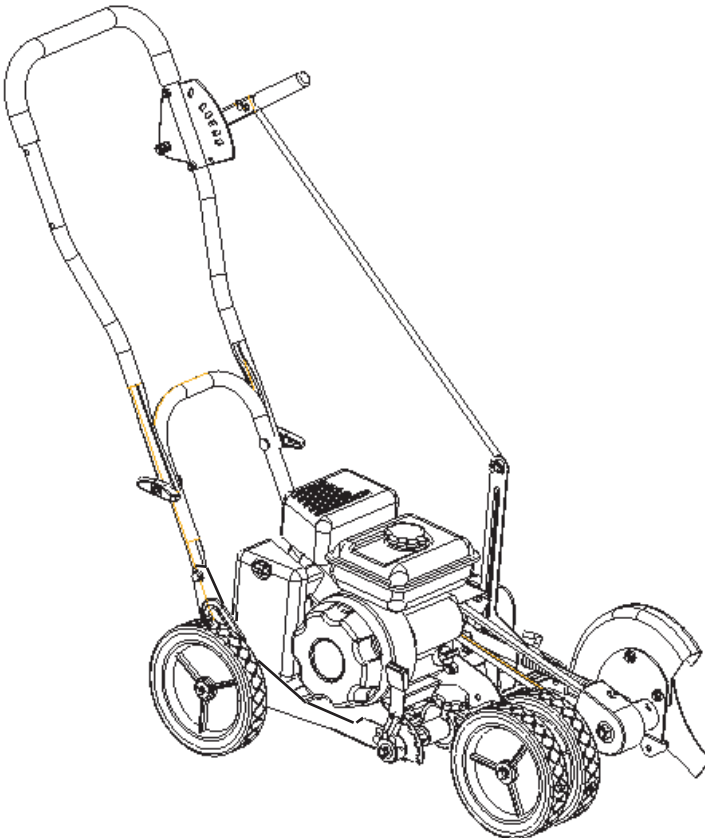
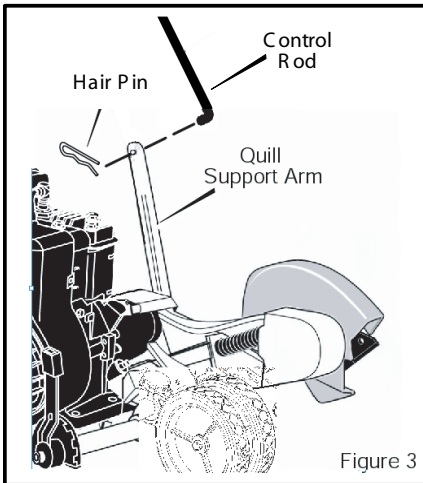
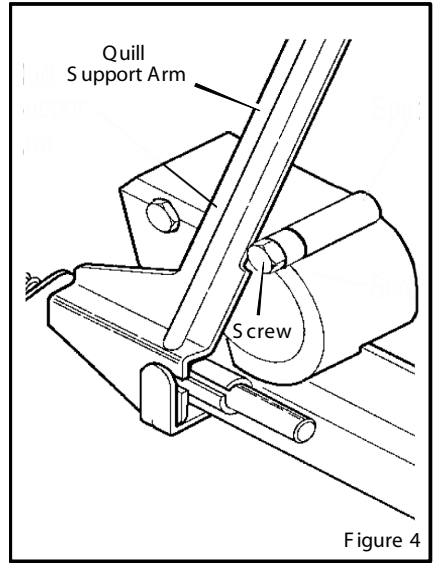
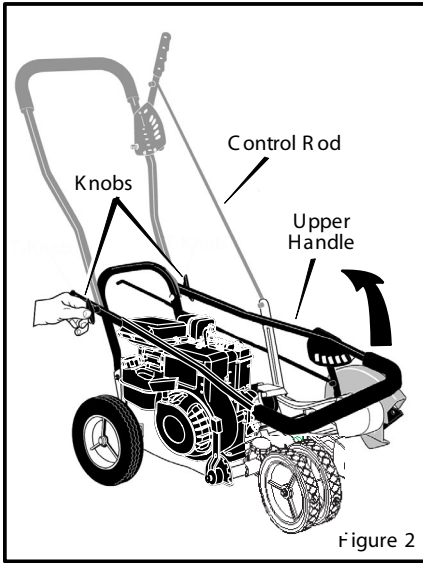


Figure 1

ASSEMBLY

HOW TO RAISE THE HANDLE

1. Loosen the knobs and raise the upper handle to the upright position. See Figure 2. Allow the control rod to swing freely.
2. Tighten the knobs. Make sure the knobs are to the outside of the handles as shown in Figure 2.
3. Insert the end of the control rod from left to right through the hole in the quill support arm. Attach with hair pin found in parts bag. See Figure 3.
4. When the clutch lever is in NEUTRAL position, the quill support arm must be close to the screw as shown in Figure 4.



ASSEMBLY

HOW TO PREPARE THE ENGINE

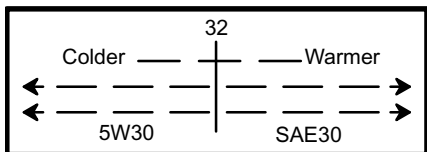
Fill With Oil

This Edger was shipped without a container of SAE30 motor oil. Add this oil to the engine before operating. To fill the crankcase, see "How To Add The Engine Oil".

NOTE: The engine may contain a small amount of oil. When adding oil, frequently insert the oil fill cap/dipstick and check the amount of oil in the engine. DO NOT OVERFILL.

Oil Recommendations

Only use high quality detergent oil rated with API service classification SG. Select the oil's SAE viscosity grade according to your expected operating temperature. Above 32 degrees, use SAE30 oil. Although multi-viscosity oils (5W30, 10W30, etc.) improve starting in cold weather, these multi-viscosity oils will result in increased oil consumption when used above 40 degrees. Check the engine oil level more frequently to avoid possible engine damage from running the engine low on oil.



How To Add The Engine Oil

1. Put the Edger on a level surface.
2. Remove the oil fill cap (Figure 5).
3. Slowly fill the engine crankcase. DO NOT OVERFILL.

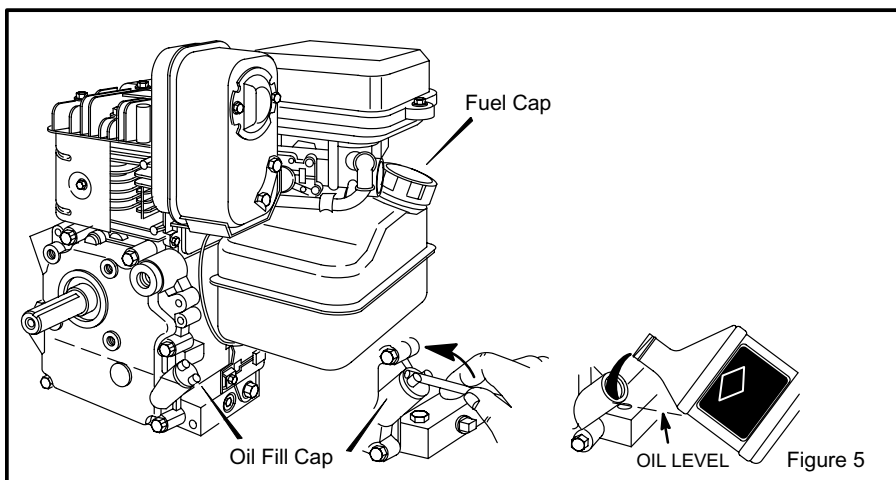
How To Fill With Gasoline

Make sure that the gasoline container is clean and free from dust or other foreign material. Never use gasoline that could be stale from long periods of storage.

1. Remove the fuel cap.
2. Fill the fuel tank with clean, fresh, unleaded grade automotive gasoline.

WARNING: Always use a safety fuel container. Do not smoke when adding the fuel to the engine. When inside an enclosure, do not fill the fuel tank. Before you add the fuel, stop the engine. Let the engine cool for several minutes.

The engine is certified to comply with California and US EPA emission regulations for ULGE (Utility or Lawn and Garden Equipment) engines. ULGE engines are certified to operate on regular unleaded gasoline.



ASSEMBLY

✓ CHECKLIST

For the best performance and satisfaction from this quality product, please review the following checklist before you operate the Edger:

- ✓ All assembly instructions have been completed.
- ✓ Check carton. Make sure no loose parts remain in the carton.
- ✓ All fasteners have been properly tightened.

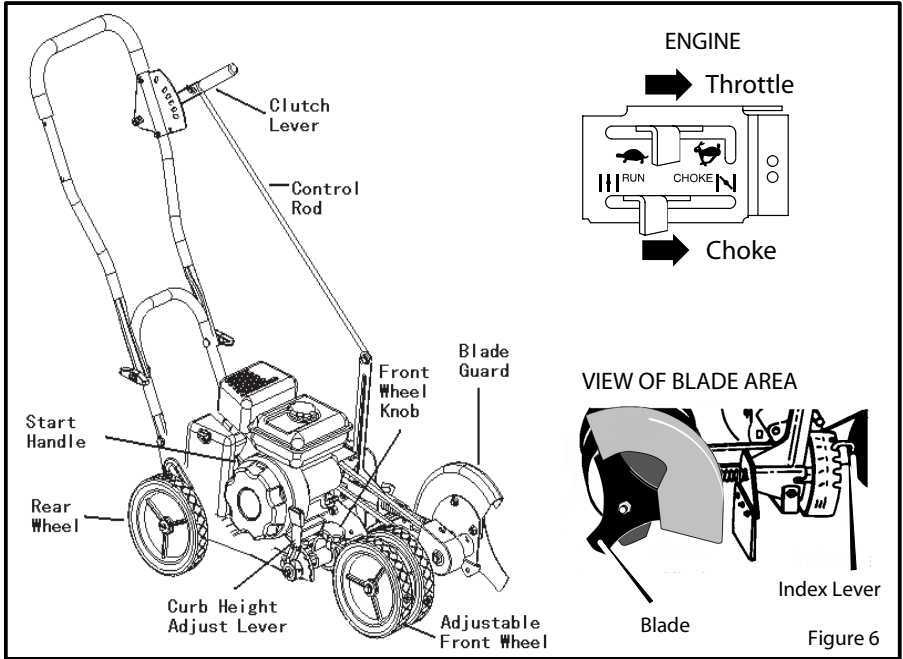
As you learn how to use the Edger, pay extra attention to the following important items:

- ✓✓ Engine oil is at proper level.
- ✓✓ Fuel tank is filled with a fresh, clean, regular Unleaded gasoline.
- ✓✓ Become familiar and understand the function of all controls. Before you start the engine, operate all controls.

OPERATION

KNOW YOUR EDGER

READ THE OWNER'S MANUAL AND ALL SAFETY RULES BEFORE YOU OPERATE the Edger. To familiarize yourself with the location of the controls, compare the illustrations with your Edger. Save this manual for future reference.



Throttle Control (if equipped) - Controls the engine speed.

Clutch Lever - Use to start and stop the blade and control the depth of cut.

Rear Wheel - The two rear wheels is not adjustable to level the Edger when edging along a curb (curb-hopping).

Adjustable Front Wheel - Front wheel is adjustable from side-to-side for balance. The front wheel can also be adjusted down for curb-hopping.

Recoil Starter Handle - The engine is equipped with an easy pull recoil starter.

Blade Guard - Use to prevent stones or other material from being thrown at the operator.

Index Lever - Use the index lever to change the angle of the blade. For edging, set the blade in a vertical position. For trimming, set the blade in a horizontal position.

Curb Height Lever - Use to set the front wheel height on uneven surfaces.

EYE PROTECTION

Always wear safety glasses. If you wear eye glasses, put a Wide Vision Safety Mask over your eye glasses.



WARNING: Debris thrown from the Edger can result in foreign objects being thrown into the eyes, which can cause severe eye damage. Always wear safety glasses or eye shields when operating the Edger.

OPERATION

HOW TO STOP THE EDGER

Emergency Stopping

To immediately stop the engine and the blade, move the throttle control to the STOP position.

Normal Stopping

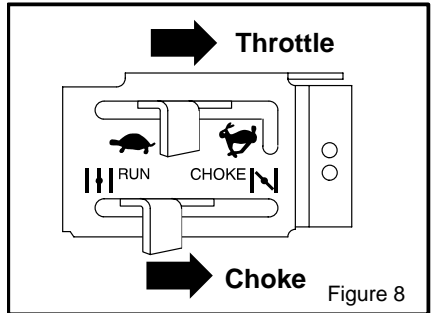
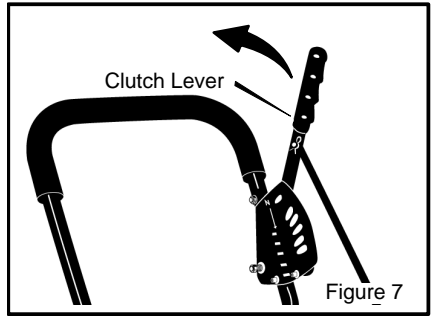
First, move the **clutch lever** back to the DIS-ENGAGED position. Then, move the **throttle control** to SLOW, then to STOP (if equipped) See Figure 7.



WARNING: Never leave the EDGER unattended while the engine is running. Always disengage the cutting blade and stop the engine.

HOW TO USE THE THROTTLE CONTROL

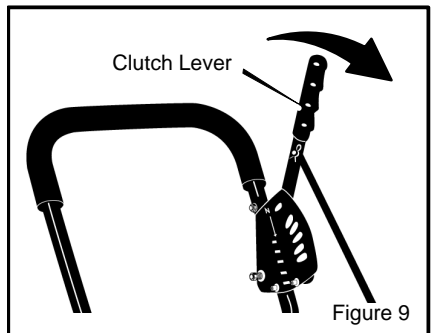
1. During normal use, run the engine at full speed.
2. Move the **throttle control** up to increase engine speed, or down to decrease engine speed (see Figure 8).



HOW TO USE THE CLUTCH LEVER

1. Start the engine.
2. To engage the cutting blade, move the **clutch lever** forward (see Figure 9).
3. Select the edging depth you need. There are five selections down to approximately 2-3/4 inches deep.

NOTE: For deep edging, first cut at shallow depths. Then, cut at greater depths until the desired depth is obtained.

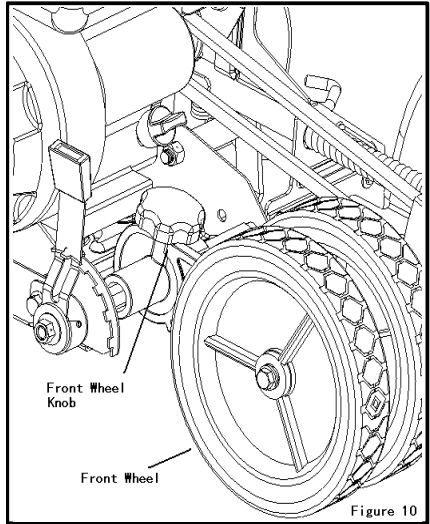


OPERATION

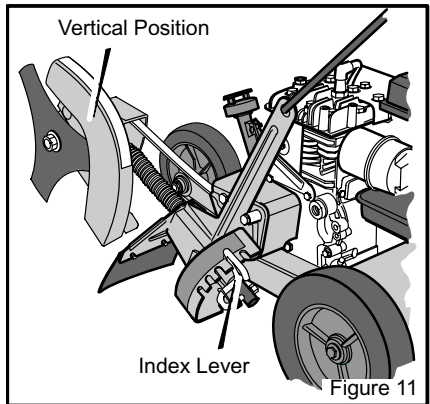
HOW TO USE THE INDEX LEVER

1. Stop the engine and disconnect the spark plug wire from the spark plug.
2. Loosen the **front wheel knob** shown in Figure 10. Slide the **front wheel** all the way to the right side.
3. Securely tighten the **front wheel knob**.

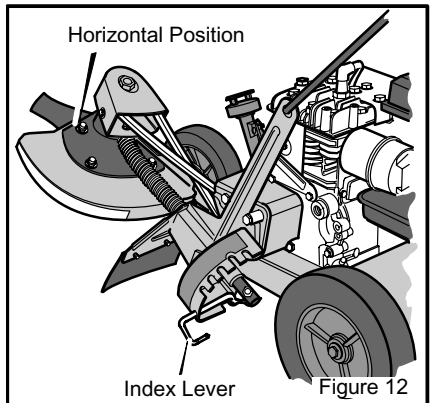
NOTE: To prevent the blade from hitting the wheel while trimming, make sure the front wheel is set in the extreme right position.



4. Disengage the **index lever** (see Figure 11). Move the **index lever** to the desired position.
5. For edging, set the blade in a vertical position (see Figure 11). For trimming, set the blade in a horizontal position (see Figure 12).
6. Reconnect the spark plug wire to the spark plug.



7. Start the engine.
8. Move the clutch lever to the desired trimming height.



WARNING: While the engine is running, never leave the Edger. Before you adjust the wheels or change the blade position, always disengage the cutting blade and stop the engine.

OPERATION

HOW TO USE THE CURB-HOPPING FEATURE


Because only the front wheel are adjustable, the Edger can be used on the even surfaces, such as the shown in Figure 13.

Set the wheel positions as follows.

1. Stop the engine.
2. Disconnect the spark plug wire from the spark plug.
3. Loosen the **front wheel knob**.
4. Slide the **front wheel** to the best position to clear the curb and balance the unit.
5. Securely tighten the **front wheel knob**.
6. Use the **curb height adjust lever** to lower the **front wheel**.

wheel until the **front wheel** is level with the rear wheels and the unit is setting on the curb as shown in Figure 13.

7. Connect the spark plug wire to the spark plug.

 **WARNING: Keep away from the rotating blade. The blade can cause injury.**

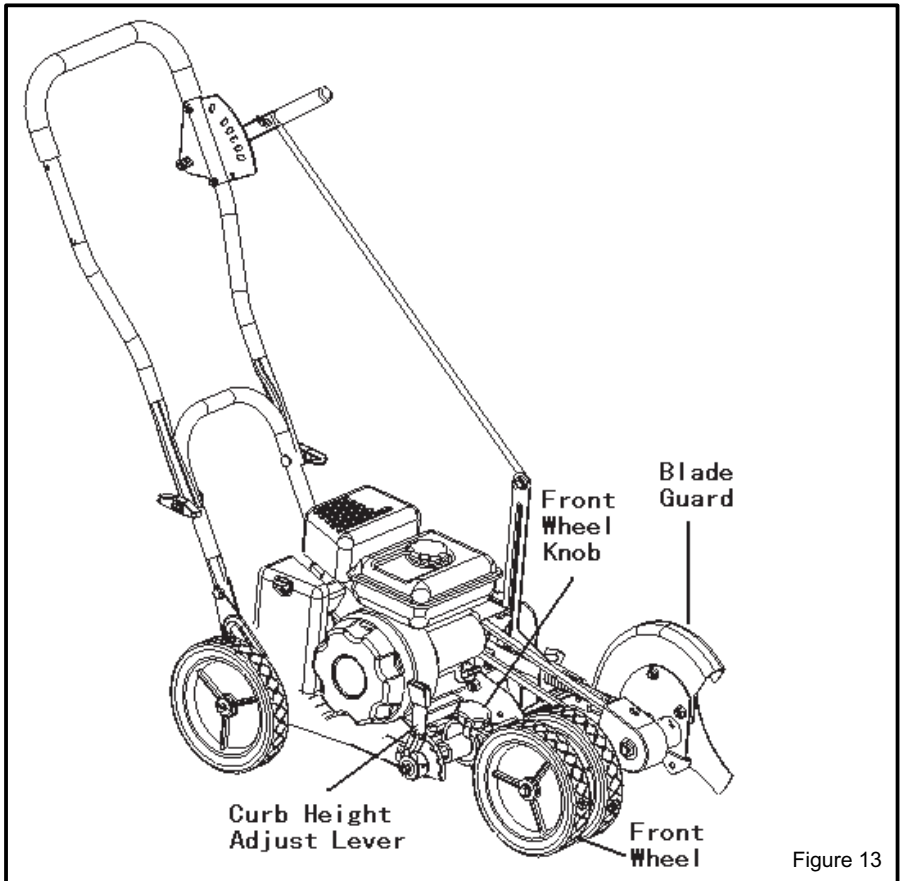


Figure 13

OPERATION

HOW TO STOP THE ENGINE

Emergency Stopping

To immediately stop the engine and the blade, move the throttle control to the STOP position.

Normal Stopping


1. To stop the engine, move the clutch lever all the way back to the DISENGAGED position.
2. Then, move the **throttle control lever** to the STOP position (Figure 14).

HOW TO START THE ENGINE

IMPORTANT: Before you start the engine, operate the controls several times. Make sure all controls move freely.

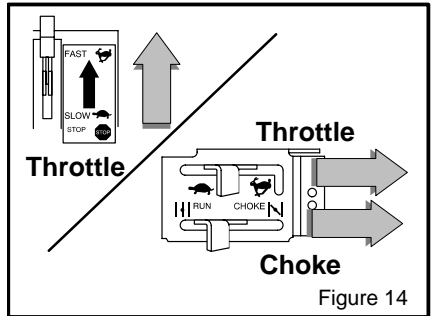
1. Check the oil.
2. Fill the fuel tank with regular unleaded gasoline. Make sure the gasoline is clean. Leaded gasoline will increase deposits and shorten the life of the valves.

NOTE: Do not use gasohol or methanol. Do not use premium unleaded gasoline.


 **WARNING:** Always use a safety gasoline container. Do not smoke when adding gasoline to the fuel tank. When inside an enclosure, do not add gasoline. Before you add gasoline, stop the engine and let the engine cool for several minutes.

3. Make sure the spark plug wire is connected to the spark plug.
4. Pull the clutch lever all the way back to raise and disengage the blade.
5. Move the **throttle control lever** (if equipped) to the FAST position (Figure 14).

6. Move the **choke control lever** to the CHOKE position (Figure 14).
7. To start engine, hold the recoil starter handle firmly with your right hand.
8. Hold the edger handle firmly with your left hand.
9. Quickly pull the recoil starter handle. DO NOT allow the starter rope to snap back. Let the starter rope slowly rewind.



10. When the engine starts, move the throttle control lever up (FAST position) to increase speed or down to decrease speed. During normal use keep the throttle in the FAST position.
11. If the engine does not start in 5 or 6 tries, See the "Troubleshooting" Instructions.

 **WARNING:** Never run the engine indoors or in a poorly ventilated area. Engine exhaust contains carbon monoxide, an odorless and deadly gas. Keep hands, feet, hair and loose clothing away from any moving parts. Avoid the muffler and surrounding areas. Temperatures can exceed 150 degrees.

OPERATION

EDGING TIPS

- Edging is best performed when conditions are dry. If the soil is too wet, dirt becomes packed around the blade causing premature belt wear and decreased performance.
- If dirt does become packed around the blade, stop the engine and remove the wire from the spark plug. Remove the packed dirt and debris from the blade.
- For deep edging, first cut at shallow depths. Then, cut at greater depths until the desired depth is obtained.
- For uniform edging, make sure the blade guide rides on the surface.
- Edging can be customized by varying the number of passes and by the distance the blade is from the surface.



WARNING: Read the Owner's manual. Know location and functions of all controls. Keep all safety devices and shields in place. Never allow children or uninstructed adults to operate Edger. Shut off engine before unclogging blade or making repairs. Keep bystanders away from machine. Keep away from the blade and all rotating parts, which cause injury.

MAINTENANCE

DATE OF PURCHASE:

| SERVICE RECORDS Fill in dates as you complete regular service. | Before Each Use | Often | Every 10 Hours | Every 25 Hours | Before Each Season | Before Storage | SERVICE DATES |
|--------------------------------------------------------------------------|-----------------|-------|----------------|----------------|--------------------|----------------|---------------|
| Lubricate All Pivot Points | | | √ | | | √ | |
| Lubricate Wheel Axles | | | | √ | | √ | |
| Check Engine Oil Level | √ | | | | | | |
| Change Engine Oil | | | | √ | √ | | |
| Replace Air Cleaner Filter | | | | | √ | | |
| Check Spark Plug | | | | √ | √ | | |
| Check Drive Belt | | √ | | | | | |
| Tighten All Fasteners | | √ | | | | | |
| Check Blade For Wear Or Damage | | √ | | | | | |

PRODUCT SPECIFICATIONS

Model No.: 400028
Horse Power: 2.8
Displacement: 9.02 cu. in.
 (148 cc.)
Oil Capacity: SAE-30W
Spark Plug Gap: 0.030 inch

GENERAL RECOMMENDATIONS

The warranty on this Edger does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, the operator must maintain the Edger as instructed in this manual.

Some adjustments must be made periodically to properly maintain your Edger.

MAINTENANCE

LUBRICATION

After each 25 hours, apply a small amount of engine oil to all moving parts, particularly the wheels.

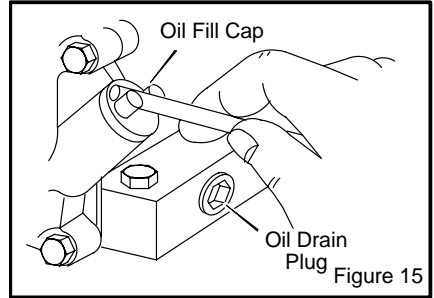
How To Change The Engine Oil

Change the oil in the engine crankcase after each 25 hours of use.

NOTE: The oil will drain more freely when the engine is warm.

1. Disconnect the spark plug wire from the spark plug.
2. Remove the **oil drain plug** (see Figure 15). Drain the oil into a flat pan.
3. After draining all the oil, install and tighten the **oil drain plug**.

4. Remove the **oil fill cap**. Fill the engine crankcase. Pour slowly. Do not overfill. See "Product Specifications" for amount and type of oil. Install the **oil fill cap**.
5. Connect the spark plug wire to the spark plug.



HOW TO CHANGE THE AIR FILTER

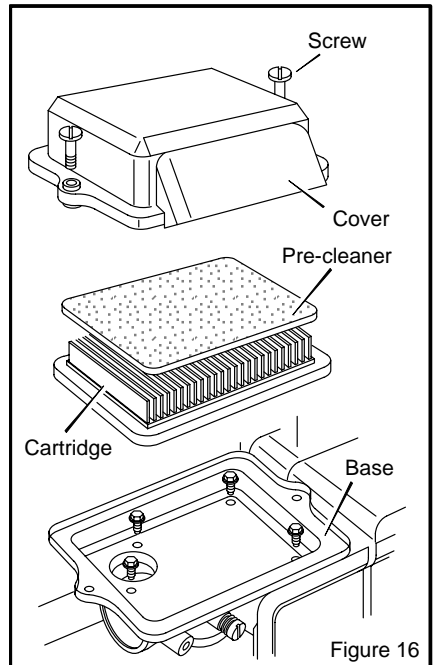
Service the air filter once a year; more often in dusty or dirty conditions. All engines have an air cleaner cartridge. In addition, some engines have a pre-cleaner.

1. Disconnect the spark plug wire from the spark plug.
2. Loosen the **screws** and remove the **cover** (see Figure 16).
3. Remove **pre-cleaner** (if equipped) and **cartridge** carefully to prevent debris from entering carburetor.
4. To clean **pre-cleaner** (if equipped), separate it from **cartridge** and wash in liquid detergent and water. Air dry thoroughly. Do not oil. Re-install dry **pre-cleaner** on clean **cartridge**.

CAUTION: Do not use pressurized air or solvents to clean cartridge. Pressurized air can damage cartridge; solvents will dissolve cartridge.

5. Re-install clean (or new) air cleaner assembly in **base**.
6. Replace **cover** and tighten **screws**.
7. Connect the spark plug wire to the spark plug.

CAUTION: Never run the engine without the air filter. A defective air filter will cause a loss of engine power. If dirt or dust enters the engine through the carburetor, the result will be excessive wear or damage to the engine. Replace a damaged or clogged air cleaner immediately.



MAINTENANCE

SPARK PLUG

Check the **spark plug** every 25 hours. Replace the **spark plug** if the electrodes are pitted, burned, or if the porcelain is cracked.

1. Make sure the **spark plug** is clean. Clean the **spark plug** by carefully scraping the electrodes (do not sand blast or use a wire brush).
2. Check the **spark plug** gap with a **feeler gauge**. The gap must be 0.030".
3. Before installing the **spark plug**, coat the threads lightly with oil for easy re-

moval. Tighten the spark plug to a torque of 15 foot-pounds.

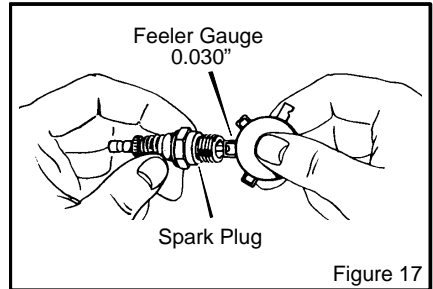


Figure 17

SERVICE AND ADJUSTMENT

CARBURETOR ADJUSTMENT

Never make unnecessary adjustments to the carburetor. The carburetor was set at the factory to operate efficiently under most applications. However, if adjustments are required, we recommend you contact your nearest Ardisam Service Center.



WARNING: The engine governor is set at the factory. Do not change the governor setting.

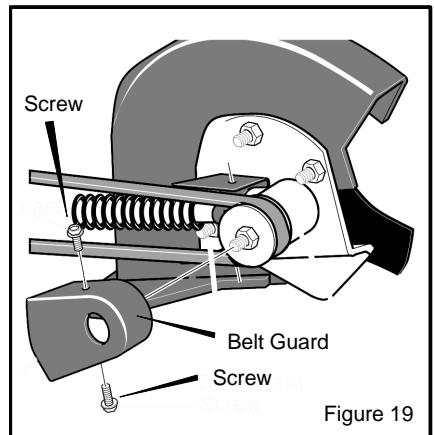
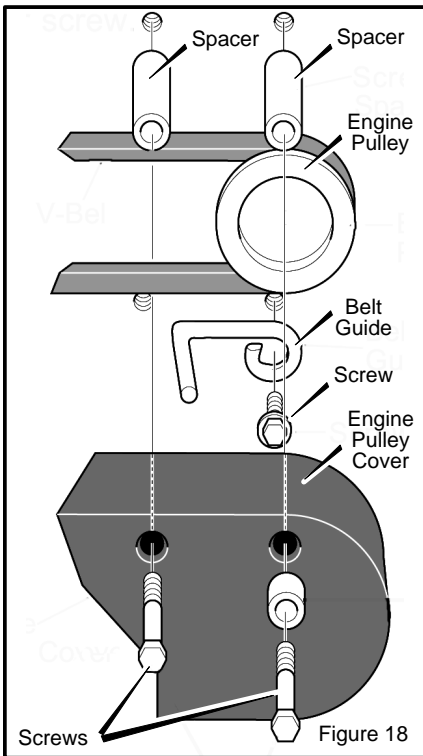
Over speeding the engine above the factory setting can be dangerous. If you think the engine governor needs an adjustment, contact your nearest Ardisam Service Center.

SERVICE AND ADJUSTMENT

HOW TO REMOVE THE BELT

The belt made of a special compound. If the belt becomes worn or breaks, replace the belt with an original equipment belt.

1. Disconnect the spark plug wire from the spark plug.
2. Pull the clutch lever back to release the tension from the belt.
3. Remove the two **screws** and **spacers** from the top of the **engine pulley cover**. Remove the **engine pulley cover** (see Figure 18).
4. Loosen, do not remove, the **screw** that holds the **belt guide**. Then, move the **belt guide** away from the **belt**.
5. Remove the two **screws** from the **belt guard** (see Figure 19).
6. Remove the old **belt** from the engine and quill assembly pulleys. Replace with an original equipment belt available from Sears.
7. To install a new belt, reverse the above steps.




SERVICE AND ADJUSTMENT

HOW TO REPLACE THE BLADE


The blade is subject to wear and damage, such as nicks and dents. This will not generally affect its function.

The blade is designed to not require sharpening. Do not attempt to sharpen the blade. The blade is also reversible. If nicks or dents are excessive, remove the blade and turn it around. This will provide a fresh cutting edge. Replace the blade if both sides are worn or damaged. Replace with an original equipment blade available from Sears.

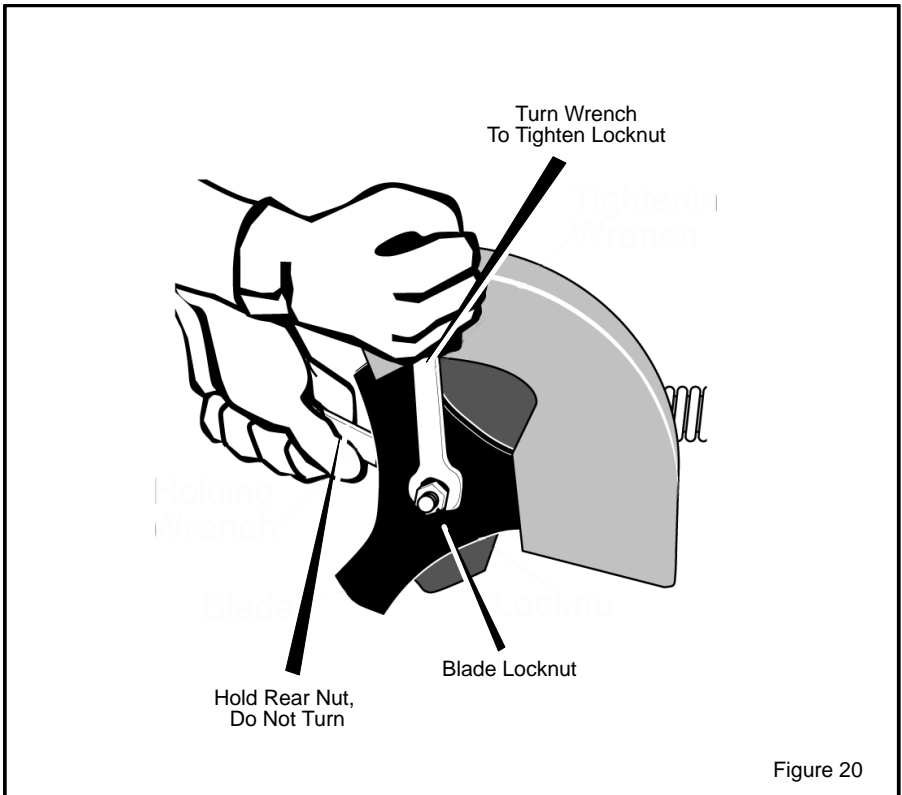
 **WARNING: Do not sharpen the blade. Sharpening can damage the blade and cause it to break, which can cause injury to yourself or to others.**

To replace the **blade**, follow the steps below.

1. Disconnect the spark plug wire from the spark plug.
2. Remove the **blade locknut** that holds the **blade** to the drive shaft.

 **WARNING: To remove or tighten the blade locknut, always use the method shown in Figure 20. Always position the holding wrench on the nut behind the blade.**

3. Remove the **blade**.
4. Install a new **blade** and **blade locknut**. Tighten the **blade locknut** to a torque of 40-45 foot pounds.
5. Connect the spark plug wire to the spark plug.



SERVICE AND ADJUSTMENT

STORAGE



WARNING: Never store the Edger indoors with fuel in the fuel tank. Never store in an enclosed, poorly ventilated area where fumes could reach an open flame, a spark or a pilot light as on a furnace, water heater or clothes dryer.



WARNING: Do not remove gasoline while inside a building, near a fire, or while you smoke. Gasoline fumes can cause an explosion or a fire.

When the Edger is put in storage for thirty days or more, follow the steps below to make sure the Edger is in good condition the following season.

Edger

- Completely clean the Edger.
- Check the Edger for worn or damaged parts. Tighten all loose hardware.
- Apply a small amount of engine oil to all moving parts, particularly the wheels.
- Put the Edger in a building that has good ventilation.
- Cover the Edger with a suitable protective cover that does not retain moisture. Do not use plastic.

IMPORTANT: Never cover the Edger while the engine and exhaust areas are still warm.

NOTE: A yearly checkup or tune-up by a Sears Service Center is a good way to make sure that your Edger will provide maximum performance for the next season.

Engine

IMPORTANT: It is important to prevent gum deposits from forming in fuel system

parts such as the carburetor, fuel filter, fuel hose, and tank during storage. Also, using alcohol-blended fuels (called gasoline, ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage.

To prevent engine damage when the Edger is in storage for 30 days or more, follow the steps below:

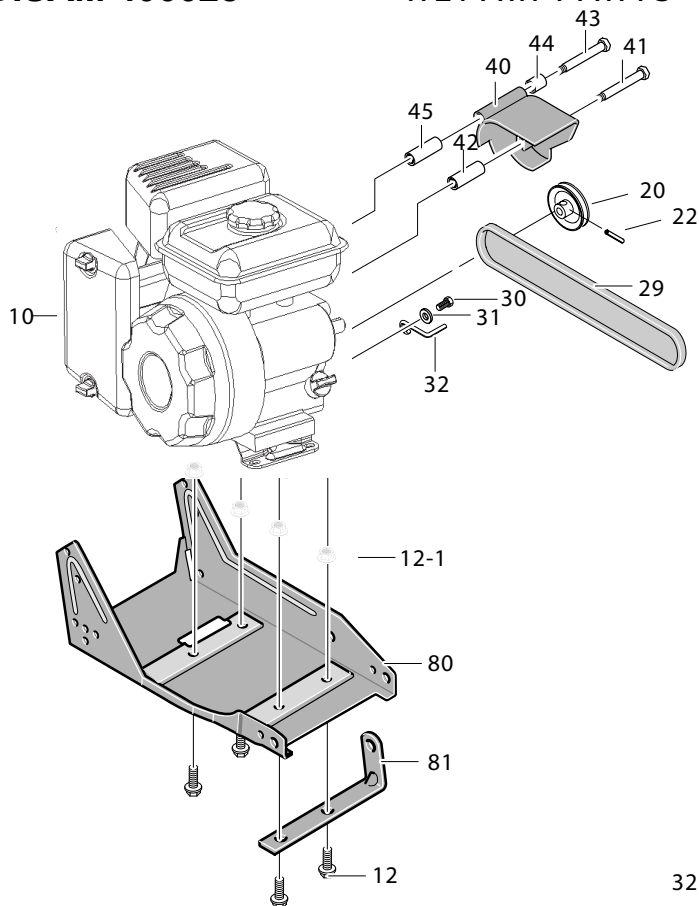
- Let the engine run until it is out of gasoline.
- If you do not want to remove the gasoline, add a fuel stabilizer to any gasoline left in the fuel tank. A fuel stabilizer will minimize gum deposits and acids. If the fuel tank is almost empty, mix the fuel stabilizer with fresh gasoline in a separate container and add the mixture to the fuel tank. Always follow the instructions on the stabilizer container. Start the engine. Let the engine run for 10 minutes to allow the mixture to reach the carburetor.
- Change the engine oil. See "How To Change The Engine Oil" in the Maintenance section.
- Lubricate the piston/cylinder area. This can be done by first removing the spark plug and squirting a small amount of clean engine oil into the spark plug hole. Then, cover the spark plug hole with a rag to absorb oil spray. Next, rotate the engine by pulling the starter two or three times. Finally, install the spark plug and attach the spark plug wire.
- Store the Edger in the operating position with the wheels down. If the Edger is stored in any other position, oil from the crankcase will enter the cylinder and cause a service problem.

TROUBLE SHOOTING CHART

| TROUBLE | CAUSE | CORRECTION |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------|
| Engine difficult to start or Engine runs erratically or Engine will not run at full speed | Stale fuel | Drain fuel tank. Fill with fresh fuel. |
| | Clogged fuel filter | Replace fuel filter |
| | Dirt in fuel tank or out of fuel | Clean fuel tank. |
| | Carburetor out of adjustment | Take unit to a Sears Service Center. |
| | Fouled spark plug | Clean and set spark plug gap. |
| | Dirty air filter | Replace air filter. |
| Engine smokes excessively | Plugged air filter | Replace air filter. |
| Cutting blade will not rotate | Debris interfering with blade | Clean debris from blade. |
| | Loose blade | Tighten blade nut. |
| | Defective belt | Replace belt. |
| Blade will not cut properly | Defective quill bearings | Replace the quill assembly. |
| | Damage or worn blade | Reverse the blade or replace the blade. |
| Excessive vibration | Loose parts | Stop engine immediately. Tighten all fasteners. If vibration continues, take the unit to a Sears Service Center. |

ARDISAM 400028

REPAIR PARTS



323095 F

| KEY NO. | DESCRIPTION | PART NO. |
|---------|------------------------------------|-----------------|
| 10 | 2.8 HP Engine Plate, Engine Spacer | - - - - 1701036 |
| 12 | Screw, 5/16x18x3.0 | 180081 |
| 12- 1 | Nut, 5/16x18 | 15x18 |
| 20 | Pulley | 1701015 |
| 22 | Screw, Set | 120580 |
| 29 | Belt, 4L 32.60" | 32668 |
| 30 | Screw 5/16 24x1.00 | 578733 |
| 31 | Flat washer | 45602 |
| 32 | Guide, Belt | 51600 |

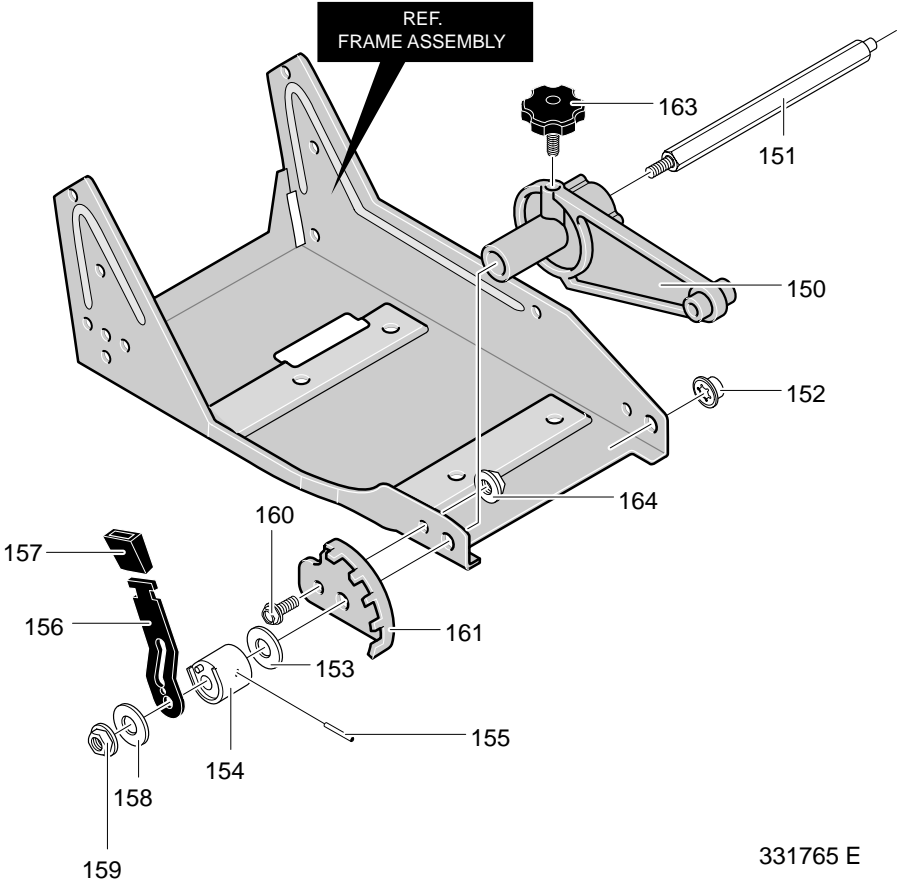
| KEY NO. | DESCRIPTION | PART NO. |
|---------|----------------------|-------------|
| 40 | Cover, Engine Pulley | 331281E201 |
| 41 | Screw, 5/16 24x3.00 | 181624 |
| 42 | Spacer, Sleeve | 315095 |
| 43 | Screw, 5/16 24x3.75 | 173030 |
| 44 | Spacer | 308237 |
| 45 | Spacer, Sleeve | 315095 |
| 80 | Assembly, Frame | 1701038E201 |
| 81 | Strap | 308154E201 |

Instruction Manual

* Part Not Shown (2 Required)

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REPAIR PARTS

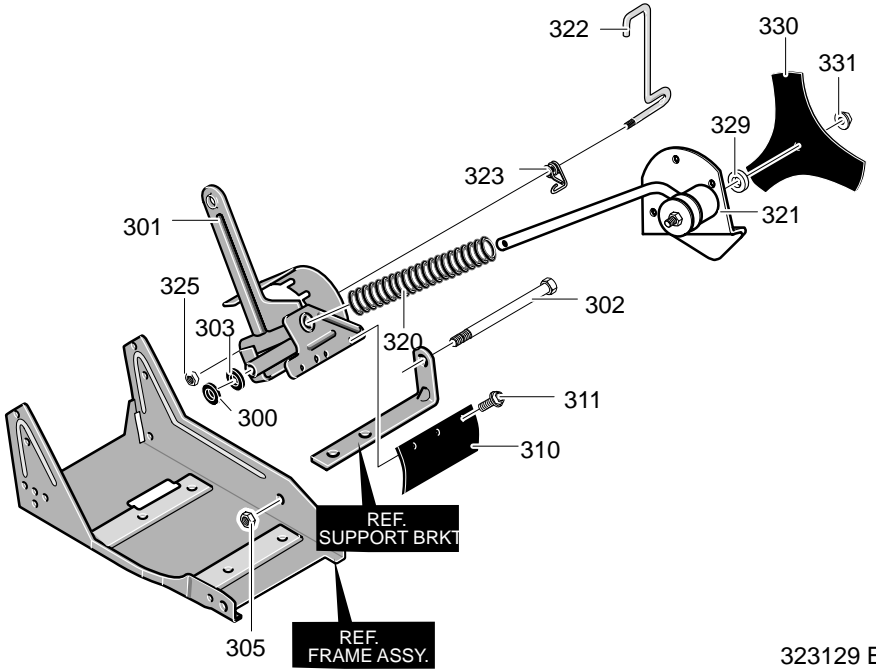


331765 E

| KEY NO. | DESCRIPTION | PART NO. | KEY NO. | DESCRIPTION | PART NO. |
|---------|-----------------------|------------|---------|----------------------|------------|
| 150 | Front Wheel Arm | 339299E201 | 157 | Knob, Rectangle | 20252 |
| 151 | Front Curb Hopper | 740132 | 158 | Flatwasher | 22265 |
| 152 | Pushnut, Washer | 338614 | 159 | Nut | 45905 |
| 153 | Plastic Washer | 325892 | 160 | Screw, 5/16-18x.63 | 51333 |
| 154 | Spacer, Height Adjust | 331421 | 161 | Plate, Height Adjust | 331394E201 |
| 155 | Pin, Spring | 32x81 | 163 | Knob, Molded | 339388 |
| 156 | Lever, Height Adjust | 331419 | 164 | Nut, 5/16-18 | 15x88 |

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REPAIR PARTS

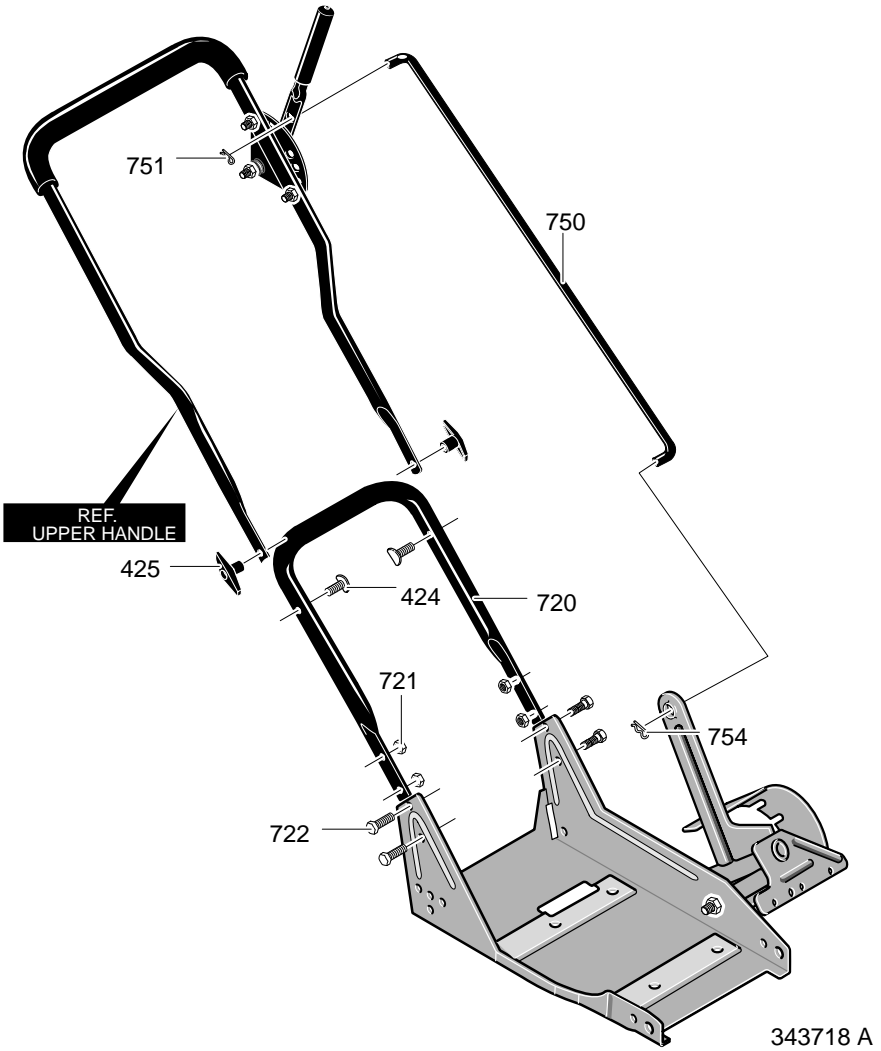


323129 E

| KEY NO. | DESCRIPTION | PART NO. | KEY NO. | DESCRIPTION | PART NO. |
|---------|-------------------|------------|---------|-----------------|----------|
| 300 | Flatwasher | 710083 | 321 | Quill Assembly | 338070 |
| 301 | Quill Support | 338656E201 | 322 | Lever, Index | 308466 |
| 302 | Bolt, 3/8-16 | 308254 | 323 | Spring, Torsion | 308155 |
| 303 | Flatwasher | 120396 | 325 | Nut, 5/16-18 | 1498 |
| 305 | Nut, 3/8-16 | 1499 | 329 | Flatwasher | 22265 |
| 310 | Rubber Deflector | 308243 | 330 | Blade, Edger | 740296 |
| 311 | Screw, 10-16x1.50 | 26x245 | 331 | Nut, 1/2-20 | 46023 |
| 320 | Spring | 51603 | | | |

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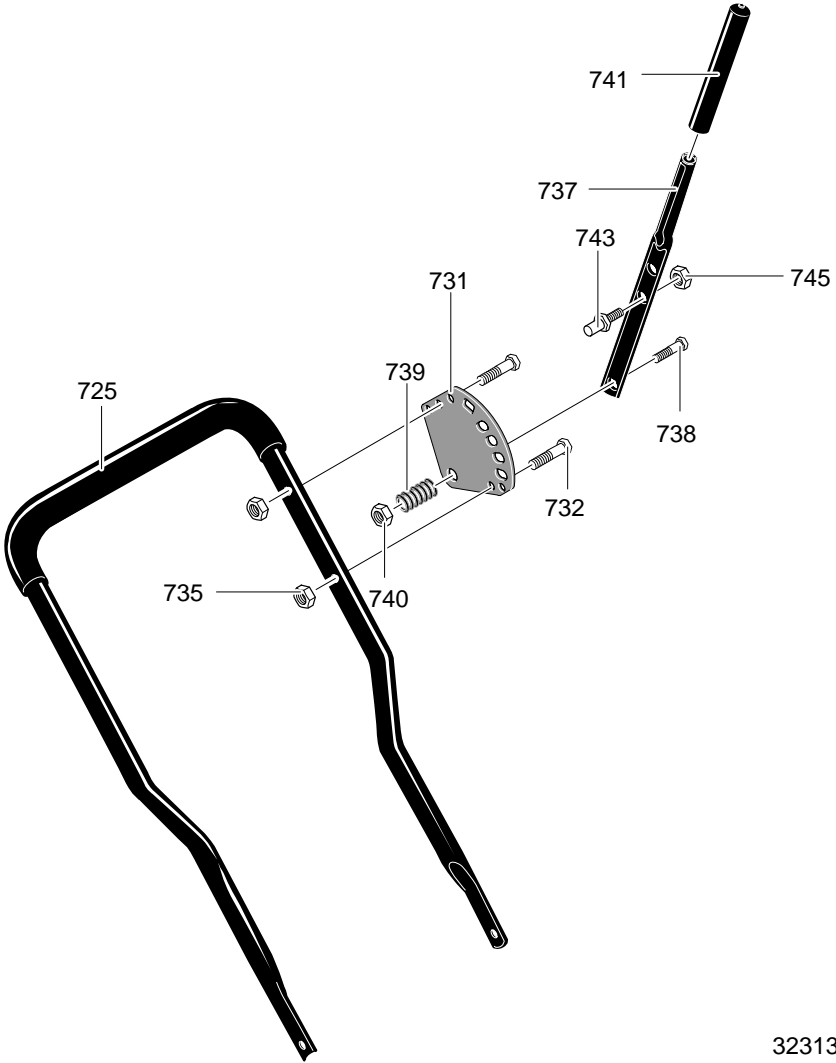
REPAIR PARTS



| KEY NO. | DESCRIPTION | PART NO. | KEY NO. | DESCRIPTION | PART NO. |
|---------|--------------------|------------|---------|--------------------|------------|
| 424 | Bolt, 5/16-18x1.75 | 315288 | 722 | Screw, 5/16-18x.63 | 51333 |
| 425 | Knob, Wing 5/16-18 | 71294 | 750 | Control Rod | 580292E701 |
| 720 | Lower Handle | 740127E701 | 751 | Hair Pin | 36368 |
| 721 | Nut, 5/16-18 | 1498 | 754 | Hair Pin | 36368 |

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REPAIR PARTS

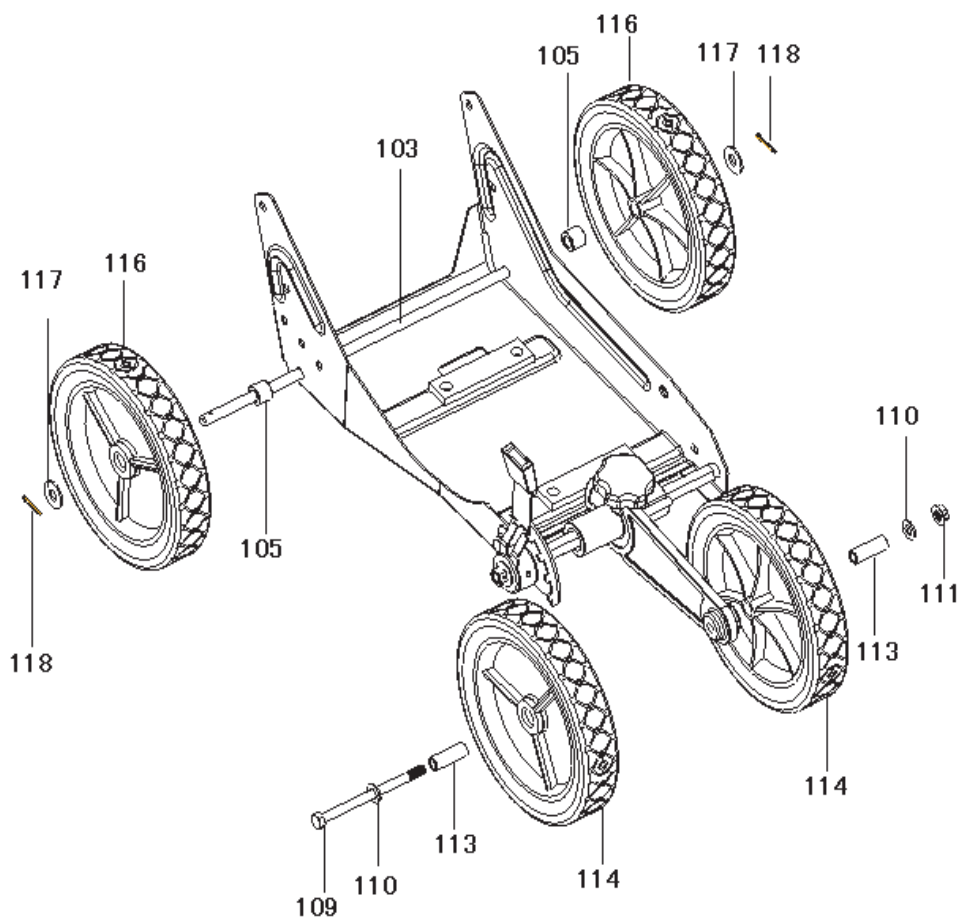


323136 F

| KEY NO. | DESCRIPTION | PART NO. | KEY NO. | DESCRIPTION | PART NO. |
|---------|---------------------|------------|---------|---------------------|----------|
| 725 | Upper Handle | 740147 | 739 | Spring, Compression | 25644 |
| 731 | Selector Plate | 310052E701 | 740 | Nut, 5/16-18 | 1498 |
| 732 | Screw, 1/4-20x1.25 | 180024 | 741 | Grip, Hand | 56924 |
| 735 | Nut, 1/4-20 | 782585 | 743 | Stud | 310053 |
| 737 | Depth Adjust Handle | 310050E701 | 745 | Nut, 3/8-16 | 1499 |
| 738 | Screw, 5/16-18x1.25 | 180081 | | | |

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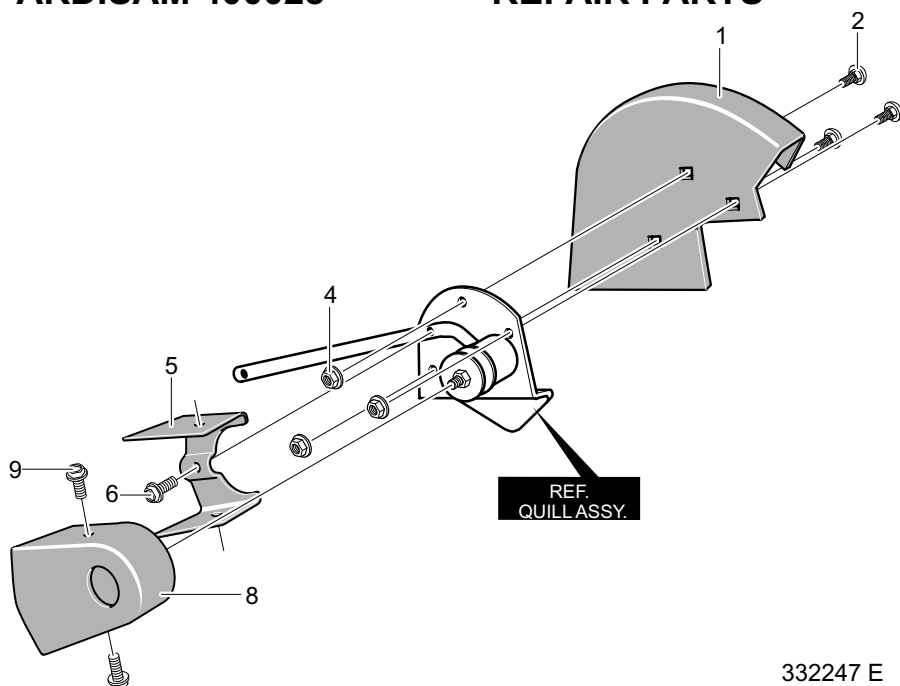
REPAIR PARTS



| KEY NO. | DESCRIPTION | PART NO. | KEY NO. | DESCRIPTION | PART NO. |
|---------|----------------|----------|---------|----------------|----------|
| 109 | Screw, 5/1618 | 190628 | 103 | Axle | 300863 |
| 110 | Washer | 120393 | 105 | Spacer, Sleeve | 1701056 |
| 113 | Spacer, Sleeve | 51887 | 116 | Tire & Rim | 1502190 |
| 114 | Tire & Rim | 336546 | 117 | Flatwasher | 710083 |
| 111 | Nut, 5/1618 | 115x88 | 118 | Cotter Pin | 30x20 |

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REPAIR PARTS



332247 E

| KEY NO. | DESCRIPTION | PART NO. | KEY NO. | DESCRIPTION | PART NO. |
|---------|-------------------|------------|---------|---------------------|-----------|
| 1 | Blade Guard | 331076E201 | 6 | Screw, 1/4 20x.50 | 710264 |
| 2 | Bolt, Carriage | 2x53 | 8 | Cover, Quill Pulley | 53405E201 |
| 4 | Nut, 5/16 18 | 15x88 | 9 | Screw, 10 16x.50 | 26x245 |
| 5 | Guide, Belt Front | 326748E201 | | | |

DECALS

| KEY NO. | DESCRIPTION | PART NO. |
|---------|------------------------------|----------|
| | Decal, Angle Indicator | 333873 |
| | Decal, Danger Rotating Blade | 333874 |
| | Decal, Danger Information | 48x1195 |
| | Decal, Quadrant Selector | 312548 |

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