

WARNING

Read and follow all Safety Rules and Operating Instructions before first use of this product.

Warranty Statement Troubleshooting Table Safety Rules Emissions Statement Assembly Parts List
Operation Spanish Maintenance Parts and Ordering Back Storage

FULL TWO YEAR WARRANTY ON CRAFTSMAN® GAS BLOWER For two (2) years from date of purchase. when this Gas Blower is maintained. lubricated. and tuned up according to the instructions in the instruction manual.

Sears will repair. free of charge. any defects in material or workmanship.

This warranty excludes blower tubes. spark plug. and air cleaner. which are expendable parts and become worn during normal use.

If this blower is used for commercial purposes. this warranty applies for 90 days from the date of purchase.

If this Blower is used for rental purposes. this warranty applies for 30 days from the date of purchase.

This warranty applies only while this product is in use in the United States.

WARRANTY SERVICE IS AVAILABLE BY RETURNING THE BLOWER TO THE NEAREST SEARS STORE OR SERVICE CENTER IN THE UNITED STATES.

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

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WARNING: Inspect area before starting unit. Remove all debris and hard objects such as rocks. glass. wire. etc. that can ricochet. be thrown. or otherwise cause injury or damage during operation.

Use your unit as a blower for:

- Sweeping debris or grass clippings from driveways. sidewalks. patios. etc.
- Blowing grass clippings. straw. or leaves into piles. around joints. or between bricks.

Use your unit as a vacuum for:

- Picking up dry material such as leaves. grass. small twigs. and bits of paper.
- For best results during vacuum use. operate your unit at high speed.
- Move slowly back and forth over the material as you vacuum.

Avoid forcing the unit into a pile of debris as this can clog the unit.

- Keep the vacuum tube about an inch above the ground for best results.

PLAN AHEAD

- Always wear eye protection when operating, servicing, or performing maintenance on unit. Wearing eye protection will help to prevent rocks or debris from being blown or ricocheting into eyes and face which can result in blindness and/or serious injury.

Eye protection should be marked Z87.

- Always wear foot protection.

Do not go barefoot or wear sandals.

- Always wear respirator or face mask when working with unit in dusty environments.

- Secure hair above shoulder length.

Secure or remove jewelry, loose clothing, or clothing with loosely hanging straps, ties, tassels, etc.

They can be caught in moving parts.

- Do not operate unit when you are tired, ill, upset, or if you are under the influence of alcohol, drugs, or medication.

- Keep children, bystanders, and animals away from work area a minimum of 30 feet (10 meters) when starting or operating unit.

Do not point blower nozzle in the direction of people or pets.

HANDLE FUEL WITH CAUTION.

IT IS HIGHLY FLAMMABLE

- Eliminate all sources of sparks or flame (including smoking, open flames, or work that can cause sparks) in the areas where fuel is mixed, poured, or stored.

- Mix and pour fuel in an outdoor area; store fuel in a cool, dry, well ventilated place; use an approved, marked container for all fuel purposes.

- Do not smoke while handling fuel or while operating the unit.

- Make sure the unit is properly assembled and in good operating condition.

- Do not fill fuel tank while engine is hot or running.

- Avoid spilling fuel or oil.

Wipe up fuel spills before starting engine.

- Move at least 10 feet (3 meters) away from fuel and fueling site before starting engine.

- Always store gasoline in a container approved for flammable liquids.

OPERATE YOUR UNIT SAFELY

WARNING: Stop the engine before opening the vacuum inlet door. The engine must be stopped and the impeller blades no longer turning to avoid serious injury from the rotating blades.

- Inspect unit before each use for worn, loose, missing, or damaged parts. Do not use until unit is in proper working order.
- Keep outside surfaces free from oil and fuel.
- Never start or run engine inside closed room, building or other unventilated area. Breathing exhaust fumes can kill.
- To avoid static electricity shock, do not wear rubber gloves or any other insulated gloves while operating unit.
- Do not set unit on any surface except a clean, hard area while engine is running.

Debris such as gravel, sand, dust, grass, etc. could be picked up by the air intake and

MAINTAIN YOUR UNIT PROPERLY

- Have all maintenance other than the recommended procedures described in the instruction manual performed by a Sears Service Center.
- Disconnect spark plug before performing maintenance except for carburetor adjustments.
- Use only recommended Craftsman® replacement parts; use of any other parts may void your warranty and cause damage to your unit.
- Empty fuel tank before storing the unit.

Use up fuel left in carburetor by starting engine and letting it run until it stops.

- Do not use any accessory or attachment other than those recommended by manufacturer for use with your unit.
- Do not store the unit or fuel in a closed area where fuel vapors can reach sparks or an open flame from hot water heaters, electric motors or switches, furnaces, etc.
- Store in a dry area out of reach of children.

SAFETY NOTICE: Exposure to vibrations through prolonged use of gasoline powered hand tools could cause blood vessel or nerve damage in the fingers, hands, and joints of people prone to circulation disorders or abnormal swelling.

Prolonged use in cold weather has been linked to blood vessel damage in otherwise healthy people. If symptoms occur such as numbness, pain, loss of strength, change in skin color or texture, or loss of feeling in the fingers, hands, or joints, discontinue the use of this tool and seek medical attention. An antivibration system does not guarantee the avoidance of these problems.

Users

SPECIAL NOTICE: For users on U.S.

Forest Land and in some states, including California (Public Resources Codes 4442 and 4443), Idaho, Maine, Minnesota, New Jersey, Oregon, and Washington: Certain internal combustion engines operated on forest, brush, and/or grass covered land in the above areas are required to be equipped with a spark arresting screen, maintained in effective working order, or the engine must be constructed, equipped, and maintained for the prevention of fire. Check with your state or local authorities for regulations pertaining to these requirements.

Failure to follow these requirements is a violation of the law. This unit is not factored

CARTON CONTENTS Check carton contents against the following list.

Model 358.797180

- Blower tube
- Elbow tube
- Vacuum bag
- Upper vacuum tube
- Lower vacuum tube
- Collapsible utility bag
- 2-Cycle Engine Oil NOTE: It is normal for the fuel filter to rattle in the empty fuel tank.

ASSEMBLY

WARNING: Stop engine and be

A4. WARNING: If you receive your unit assembled, repeat all steps to ensure your unit is properly assembled and all fasteners are secure. A standard screwdriver is required for assembly.

BLOWER ASSEMBLY BLOWER TUBE ASSEMBLY If you have already assembled your unit for use as a vacuum, remove the vacuum tubes and collection bag.

Align the rib on the blower tube with the groove in the blower outlet; slide the tube into place.

NOTE: Knob must be loose enough to allow blower tube to be inserted in blower outlet.

Loosen knob by turning counterclockwise.

Secure the tube by turning the knob clockwise.

To remove the tube, turn the knob counterclockwise to loosen the tube; remove the tube.

VACUUM ASSEMBLY

VACUUM BAG ASSEMBLY

Open the zipper on the vacuum bag and insert the elbow tube. Push the small end of the elbow

Elbow Tube Small Opening

Zipper Opening Rib

NOTE: Make sure edge of the small opening is flush against the flared area of the elbow tube. and the rib on the elbow tube is on the bottom.

Close the zipper on the bag. Make sure the zipper is closed completely.

Remove blower tube from engine.

Insert the elbow tube into the blower outlet.

Make sure elbow tube is aligned with the blower outlet groove.

Turn knob clockwise to secure elbow tube.

VACUUM TUBE ASSEMBLY 1= Align the lower vacuum tube as shown.

Push lower vacuum tube into upper vacuum tube.

Insert the tip of a screwdriver into the latch area of the vacuum inlet.

Gently tilt the handle of the screw driver toward the back of the unit to release the latch while pulling up on the vacuum inlet cover with your other hand.

Hold the vacuum inlet cover open until upper vacuum tube is installed.

Vacuum inlet

Retaining Post Xi .

Place the hooks of the upper vacuum tube on the retaining posts of the unit.

Pivot the tube until it is secured to the blower unit by the vacuum inlet latch.

PIVOT inlet Cover Latch

Hook Post

HOW TO CONVERT UNIT FROM VACUUM USE TO BLOWER USE

Remove the vacuum tubes by inserting the tip of a screwdriver into the latch area of the vacuum inlet.

Gently tilt handle of screwdriver toward the back of the unit to release the latch while pulling up on the upper vacuum tube with your other hand.

Remove the vacuum bag.

Close the vacuum inlet cover and make sure it is latched closed.

Reinstall the blower tube (see BLOWER TUBE ASSEMBLY).

SHOULDER STRAP ADJUSTMENT (for vacuum use only)

Hold the unit as shown with the muffler side facing away from your body and clothes.

Pass the shoulder strap over your head and onto your right shoulder.

Extend your left arm toward the rear of the vacuum bag.

Adjust shoulder strap until the vacuum bag/shoulder strap seam lies between your thumb and index finger.

Make sure air flows freely from the elbow tube into bag. If bag is kinked, the unit will not operate properly.

KNOW YOUR BLOWER READ THIS INSTRUCTION MANUAL AND SAFETY RULES BEFORE OPERATING YOUR UNIT. Compare the illustrations with your unit to familiarize yourself with the location of the various controls and adjustments.

THROTTLE LEVER The THROTTLE LEVER is used to select the desired engine speed and to stop the engine.

Move the throttle lever to the position for full speed operation.

Move the throttle lever to the

CHOKER LEVER The CHOKER helps to supply fuel to the engine to aid in cold starting. Activate the choke by moving the choke lever to the FULL CHOKER position. After engine attempts to start, move the choke lever to the HALF CHOKER position.

Once engine starts, move choke lever to the RUN position.

OPERATING TIPS

- While vacuuming or blowing debris, hold the unit with the muffler side facing away from your body and clothes
- To reduce the risk of hearing loss associated with sound level(s), hearing protection is required.
- To reduce the risk of injury associated with contacting rotating parts, stop the engine before installing or removing attachments.

Do not operate without guard(s) in place.

- Operate power equipment only at reasonable hours-not early in the morning or late at night when people might be disturbed.

Comply with times listed in local ordinances.

Usual recommendations are 9:00 a.m. to 5:00 p.m.,

Monday through Saturday.

- To reduce noise levels, limit the number of pieces of equipment used at any one time.
- To reduce noise levels, operate power blowers at the lowest possible throttle speed to do the job.
- Use rakes and brooms to loosen

OPERATING POSITION

BEFORE STARTING ENGINE

WARNING: Remove fuel cap slowly when refueling.

This engine is certified to operate on un leaded gasoline.

Before operation, gaso line must be mixed with a good quality synthetic 2-cycle air-cooled engine oil.

We recommend Craftsman brand syn thetic oil. Mix gasoline and oil at a ratio of 40:1. A 40:1 ratio is obtained by mix ing 3.2 ounces of oil with 1 gallon of un leaded gasoline. included with this blower is a 3.2 ounce container of oil.

Pour the entire contents of this container into 1 gallon of gasoline to achieve the proper fuel mixture. **DO NOT USE** auto motive oil or boat oil. These oils will cause engine damage.

When mixing fuel, follow instructions printed on con tainer. Once oil is added to gasoline, shake container momentarily to assure that the fuel is thoroughly mixed. Always read and follow the safety rules relating to fuel before fueling your unit.

IMPORTANT Experience indicates that alcohol blended fuels (called gasohol or using ethanol or methanol) can attract mois ture which leads to separation and formation of acids during storage.

Acidic gas can damage the fuel sys tem of an engine while in storage.

To avoid engine problems, empty the fuel system before storage for 30 days or longer.

Drain the gas tank, start the engine and let it run until the fuel lines and carburetor are empty.

Use fresh fuel next season.

Never use engine or carburetor clean er products in the fuel tank or perma nent damage may occur.

Fuel stabilizer is an acceptable alter native in minimizing the formation of fuel gum deposits during storage.

Craftsman brand oil is already blended with fuel stabilizer.

See the STORAGE section for additional information.

NOTE: Unit must be placed on its side when adding fuel (see illustration below).

STOPPING YOUR ENGINE

To stop the engine, move the throttle lever to the STOP position.

STARTING POSITION

WARNING When starting engine, hold the unit as illustrated.

Do not set unit on any surface except a clean, hard area when starting engine or while engine is running.

Debris such as gravel, sand, dust, grass, etc. could be picked up by the air intake and thrown out through the discharge opening, damaging the unit or property, or causing serious injury to bystanders or the operator.

STARTING A COLD ENGINE

Slowly press the primer button 8 times.

Move the choke lever to the FULL CHOKE position.

Move the throttle lever to the position.

Throttle Lever Primer Button

Choke Lever

Pull starter handle sharply until the engine attempts to run, but no more than 5 pulls (below 30°F, 8 pulls).

NOTE: If the engine attempts to start before the 5th pull, go to the next step immediately.

Move choke lever to HALF CHOKE.

Pull the starter handle sharply until the engine runs, but no more than 5 pulls (below 30°F, 10 pulls).

After a 5 second warm-up, move the choke lever to the RUN position.

Allow the unit to run for 30 more seconds at RUN before moving the throttle lever to the position.

If the engine has not started after 5 pulls (at HALF CHOKE), repeat the STARTING A COLD ENGINE procedure.

If the engine still does not start, proceed to STARTING A FLOODED ENGINE.

To stop the engine, move the throttle lever to the STOP position.

STARTING A WARM ENGINE NOTE: If fuel tank is empty, add fuel; then, follow STARTING A COLD ENGINE procedure.

Do not fill fuel tank while engine is hot.

Move the throttle lever to the position.

Pull the starter handle sharply until the engine starts, but no more than 5 pulls.

NOTE: If the engine has not started, pull starter handle sharply for 5 more pulls.

If engine still does not run, it is probably flooded.

Proceed to STARTING A FLOODED ENGINE.

To stop the engine, move the throttle lever to the STOP position.

STARTING A FLOODED ENGINE Flooded engines can be started by placing the choke lever in the RUN position.

Move throttle lever to the fast position 'F'; then, pull rope until engine starts.

After engine starts, move the throttle lever to the slow position to allow engine to idle.

Starting could require pulling the starter rope many times depending on how badly the unit is flooded.

If the unit still doesn't start, refer to the TROUBLESHOOTING TABLE or call 1-800-235-5878.

CUSTOMER RESPONSIBILITIES

WARNING: Disconnect the spark plug before performing maintenance, service, or adjustments.

CARE & MAINTENANCE TASK

Check for loose fasteners and parts Check for damaged or worn parts

Inspect and clean unit and labels Clean air filter

Replace spark plug

Replace fuel filter

Check muffler mounting screws

WHEN TO PERFORM

Before each use

Before each use

After each use

Every 5 hours of operation

WARNING: Stop engine and be

CHECK FOR LOOSE FASTENERS AND PARTS

- Spark Plug Boot
- Air Filter
- Housing Screws

CHECK FOR DAMAGED OR WORN PARTS Contact Sears Service Center for re

- Vacuum Bag - Do not use vacuum bag if it is torn or damaged.

INSPECT AND CLEAN UNIT AND LABELS

- After each use, inspect complete unit for loose or damaged parts.

Clean the unit using a damp cloth with a mild detergent.

- Wipe off unit with a clean dry cloth.

CLEAN AIR FILTER

Cover

A dirty air filter decreases engine performance and increases fuel consumption and harmful emissions.

Always clean after every 5 hours of operation.

Cleaning the air filter:

Clean the cover and the area around it to keep debris from falling into the carburetor chamber when the cover is removed.

Remove parts as illustrated.

NOTE: Do not clean filter in gasoline or other flammable solvent.

Doing so can create a fire hazard or produce harmful evaporative emissions.

Wash the filter in soap and water=

Allow filter to dry.

Apply a few drops of oil to the filter; squeeze filter to distribute oil.

Replace parts.

REPLACE SPARK PLUG Replace spark plug each year to ensure the engine starts easier and runs better.

Set spark plug gap at 0.025 inch. Ignition timing is fixed, nonadjustable.

Twist, then pull off spark plug boot=

Remove spark plug from cylinder and discard.

Replace with Champion CJ-6Y spark plug and tighten securely with a 3/4 inch socket wrench.

Reinstall the spark plug boot.

REPLACE FUEL FILTER To replace fuel filter, drain unit by running it dry of fuel, then remove fuel cap/retainer assembly from tank.

Pull filter from tank and remove it from the fuel line. Install new fuel filter on fuel line; reinstall parts.

Fuel Filter

CHECK MUFFLER MOUNTING SCREWS Once each year, ensure muffler mounting screws are secure and tightened properly to prevent damage.

Mounting

Loosen and remove the 2 screws from the muffler cover.

Remove the muffler cover.

Tighten the 2 muffler mounting screws securely.

Reinstall muffler cover and 2 screws.

Tighten securely.

CARBURETOR ADJUSTMENT There is no screw for idle adjustment on your blower. The throttle lever is used to control engine speed.

The throttle lever can be placed in one of four positions: STOP, IDLE or 1/2-.

FULL THROTTLE or and one intermittent position.

If your engine will not run properly or you require further assistance, contact your Sears Service Center or call our customer assistance help line at 1-800-235-5878.

WARNING: Perform the following steps after each use:

- Allow engine to cool, and secure the unit before storing or transporting.
- Store unit and fuel in a well ventilated area.

SEASONAL STORAGE Prepare unit for storage at end of season or if it will not be used for 30 days or more.

If your unit is to be stored for a period of time:

- Clean the entire unit before lengthy storage.
- Store in a clean dry area.
- Lightly oil external metal surfaces.

FUEL SYSTEM Under FUELING ENGINE in the OPERATION section of this manual, see message labeled IMPORTANT regarding the use of gasoline in your engine.

Fuel stabilizer is an acceptable alternative in minimizing the formation of fuel gum deposits during storage.

Add stabilizer to gasoline in fuel tank or fuel storage container. Follow the mixing instructions found on stabilizer container.

Run

TROUBLESHOOTING TABLE

WARNING: Always stop unit and disconnect spark plug before performing any of the recommended remedies below other than remedies that re

TROUBLE

Engine will not start.

CAUSE

1. Engine flooded.

Engine will not idle properly.

Engine will not accelerate, lacks power, or dies under load.

Engine smokes excessively.

Engine runs hot.

2. Fuel tank empty.

3. Spark plug not firing.

4. Fuel not reaching carburetor.

5. Compression low.

1. Fuel not reaching carburetor.

2. Carburetor requires adjustment.

3. Crankshaft seals worn.

4. Compression low.

1. Air filter dirty.

2. Fuel not reaching carburetor.

3. Spark plug fouled.

4. Carburetor requires adjustment.

5. Carbon build up.

6. Compression low.

1. Choke partially on.

2. Fuel mixture incorrect.

3. Air filter dirty.

4. Carburetor requires adjustment.

1. Fuel mixture incorrect.

2. Spark plug incorrect.

3. Carburetor requires adjustment.

4. Carbon build up.

REMEDY

1. See "Starting a Flooded Engine" in Operation section.

2. Fill tank with correct fuel mixture.

3. Install new spark plug.

4. Check for dirty fuel filter; replace.

Check for kinked or split fuel line; repair or replace.

Contact Sears Service (see back cover).

Check for dirty fuel filter; replace.

Check for kinked or split fuel line; repair or replace.

Clean or replace air filter.

Check for dirty fuel filter; replace.

Check for kinked or split fuel line; repair or replace.

Clean or replace spark plug and re-gap.

Adjust choke.

Empty fuel tank and refill with correct fuel mixture.

Clean or replace air filter.

Contact Sears Service (see back cover).

Replace with correct spark plug.

Contact Sears Service (see back cover).

Contact Sears Service (see back cover).

YOUR WARRANTY RIGHTS AND OBLIGATIONS: The U. S. Environmental Protection Agency and Sears.

Roebuck and Co. U.S.A. are pleased to explain the emissions control system warranty on your year 2005 and later small off road engine. Sears must warrant the emission control system on your small off-road engine for the periods of time listed below provided there has been no abuse, neglect, or improper maintenance of your small off-road engine.

Your emission control system includes parts such as the carburetor and the

OWNER'S WARRANTY RESPONSIBILITIES: As the small off-road engine owner, you are responsible for the performance of the required maintenance listed in your instruction manual.

Sears recommends that you retain all receipts covering maintenance on your small off-road engine, but Sears can not deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

As the small off-road engine owner, you should be aware that Sears may deny you warranty coverage if your small off-road engine or a part of it has failed due to abuse, neglect, improper maintenance, unapproved modifications, or the use of parts not made or approved by the original equipment manufacturer.

You are responsible for presenting your small off-road engine to a Sears authorized repair center as soon as a problem exists. Warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities, you should contact your nearest authorized service center or call Sears at 1-800-469-4663.

WARRANTY COMMENCEMENT DATE: The warranty period begins on the date the small off-road engine is purchased.

LENGTH OF COVERAGE: This warranty shall be for a period of two years from the initial date of purchase.

WHAT IS COVERED: REPAIR OR REPLACEMENT OF PARTS.

Repair or replacement of any warranted part will be performed at no charge to the owner at an approved Sears servicing center.

If you have any questions regarding your warranty rights and responsibilities, you should contact your nearest authorized service center or call Sears at 1-800-469-4663.

WARRANTY PERIOD: Any warranted part which is not scheduled for replacement as required maintenance.

This engine is certified to be emissions compliant for the following use:

Moderate (50 hours)

Intermediate (125 hours)

Extended (300 hours)

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

