

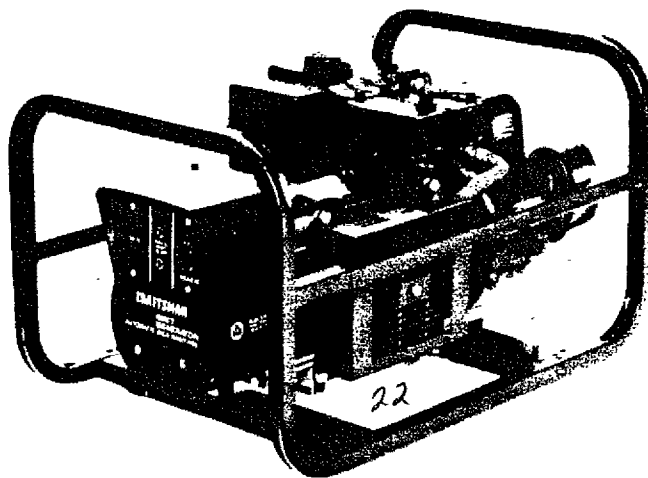
SEARS

**OWNER'S
MANUAL**

**MODEL NO.
580.327060**

CAUTION:

**Read and Follow
all Safety Rules
and Instructions
Before Operating
This Equipment**



CRAFTSMAN®

**120-240 VOLT / 4000 WATT A-C
PORTABLE A-C GENERATOR**

with Automatic Idle Control

**Assembly
Operation
Maintenance
Service and Adjustment
Repair Parts**

SEARS ROEBUCK AND Co., Chicago, IL 60684 U.S.A.



0 24847 30136 6
Part No. 80059GS-rv3-1/11/90

SAFETY RULES



CAUTION: ALWAYS DISCONNECT SPARK PLUG WIRE AND PLACE WIRE WHERE IT CANNOT CONTACT SPARK PLUG, TO PREVENT ACCIDENTAL STARTING WHEN SETTING UP, TRANSPORTING, ADJUSTING OR MAKING REPAIRS TO YOUR GENERATOR.



IMPORTANT

THIS GENERATOR IS DESIGNED FOR OUTDOOR USE ONLY. USING THIS GENERATOR INSIDE ANY BUILDING OR ENCLOSURE, INCLUDING THE GENERATOR COMPARTMENT OF A RECREATIONAL VEHICLE (RV), IS DANGEROUS. FIRE OR AN EXPLOSION MAY RESULT. NO USER PERFORMED MODIFICATIONS, INCLUDING VENTING OF EXHAUST AND/OR COOLING VENTILATION, WILL ELIMINATE THE DANGER.

- If this unit is used for backup power in the event of a utility power failure, take the following steps: BEFORE CONNECTING THE GENERATOR TO AN ELECTRICAL SYSTEM OPEN THE MAIN CIRCUIT BREAKER OR MAIN SWITCH SERVING THE SYSTEM TO ISOLATE THE GENERATOR SYSTEM FROM THE ELECTRIC UTILITY. FAILURE TO ISOLATE THE GENERATOR AND UTILITY SYSTEMS MAY RESULT IN DAMAGE TO THE GENERATOR AND MAY ALSO RESULT IN INJURY OR DEATH TO ELECTRIC UTILITY WORKERS DUE TO BACKFEED OF ELECTRICAL ENERGY.
- This generator supplies dangerously high electrical voltages. Use care to prevent extremely hazardous and possibly lethal electrical shock. Never permit any unqualified person(s) to operate or service the unit.
- DO NOT operate this equipment in the rain, while standing in water, while barefoot, or while hands or feet are wet. Dangerous electrical shock will result.
- Maintain all wiring, extension cords, etc., in good condition. Worn, bare, frayed, or otherwise damaged wiring and cord sets may cause dangerous electrical shock and may also result in damage to equipment and/or property.
- The National Electrical Code requires that the generator be properly connected to an approved earth ground. Local electrical codes may also require proper grounding of the unit. See ASSEMBLY section for more grounding information.
- Wire gauge sizes of wiring and cord sets must be large enough to handle the maximum electrical load to which they will be subjected. Cord sets must be rated 125 a-c volts at 20 amperes or (or greater). Some electrical devices, however, do not require that cord rating. Refer to the Owner's manual of the electrical device for the manufacturer's recommendations.
- The generator engine consumes oxygen and gives off DEADLY carbon monoxide gas through its exhaust system. This dangerous gas, if breathed in sufficient concentrations, can cause unconsciousness or even death. Operate this equipment outdoors only, in well ventilated areas where exhaust gases cannot accumulate and endanger people or animals.
- Gasoline is extremely **FLAMMABLE** and its vapors are **EXPLOSIVE**. Comply with all laws regulating the storage and handling of gasoline. DO NOT permit smoking, open flames, sparks or heat in the vicinity while handling gasoline. Avoid spilling gasoline on a hot engine. DO NOT fill fuel tank while engine is running or hot. Clean off any spilled gasoline before starting engine.
- DO NOT fill fuel tank completely full. Allow room at top of tank for fuel expansion or fuel may expand and overflow onto a hot engine.
- Drain all gasoline from tank before transporting your generator inside your car or other vehicle.
- DO NOT store the generator with fuel in tank where gasoline vapors might reach an open flame, spark, or pilot light, as on a furnace, water heater, dryer, etc. FIRE or an EXPLOSION might result.
- DO NOT insert any object or tool through cooling air slots or openings of the engine or generator, even if the engine is not running. Damage to the unit or personal injury may result.
- DO NOT attempt to change the engine governed speed. Factory settings are correct when you receive the unit. Excessively high engine speeds may result in injury or damage to equipment.
- DO NOT use the unit if it has been damaged. Repair or replace all damaged or defective components before you run the unit.
- DO NOT permit children to operate or service the generator.
- Read your Owner's Manual carefully. Only persons who are familiar with these safety rules and have been properly instructed in the use of this product should be permitted to use the product.



LOOK FOR THIS SYMBOL TO POINT OUT IMPORTANT SAFETY PRECAUTIONS. IT MEANS "ATTENTION!!! BECOME ALERT!!! YOUR SAFETY IS INVOLVED."

CONGRATULATIONS on your purchase of a Sears Craftsman Generator. It has been designed, engineered and manufactured to give you the best possible dependability and performance.

Should you experience any problem you cannot easily remedy, please contact your nearest Sears Service Center/Department. We have competent, well-trained technicians and the proper tools to service or repair this unit.

Please read and retain this manual. The instructions will enable you to assemble and maintain your generator properly. Always observe the "SAFETY RULES."

PRODUCT SPECIFICATIONS

Generator Specifications

RATED MAXIMUM POWER	4000 Watts (2.4 kW)
RATED VOLTAGE	120/240 Volts a-c
RATED MAXIMUM LOAD CURRENT	33.3/16.7 a-c amperes
RATED FREQUENCY	60 Hz at 3600 rpm
PHASE	Single Phase

Engine Specifications

RATED HORSEPOWER	8 at 3600 rpm			
DISPLACEMENT	19.3 cubic inches			
SPARK PLUG: Type:	Champion RJ17IM or equivalent			
Set Gap to:	0.030 inch (0.76mm)			
MAXIMUM (full tank) OPERATING TIME (hrs)	full load	3/4	1/2	1/4
	1.0	1.25	1.5	1.5
GASOLINE CAPACITY	1.0 U.S. gallon			
OIL (1.5 U.S. pint capacity)	SAE 30 Oil (SAE 10W-30)			

MODEL NUMBER	580.327060
SERIAL NUMBER	_____
DATE OF PURCHASE	_____

THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON A DECAL ATTACHED TO THE GENERATOR STATOR CAN.

YOU SHOULD RECORD BOTH SERIAL NUMBER AND DATE OF PURCHASE AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

NOTE: This generator is equipped with a spark arrestor muffler. The spark arrestor must be maintained in effective working order by the owner/operator.

In the State of California a spark arrestor is required by law (Section 4442 of the California Public Resources Code). Other states have similar laws. Federal laws apply on federal lands.

MAINTENANCE AGREEMENT

A Sears Maintenance Agreement is available on this product. Contact your nearest Sears store for details.

CUSTOMER RESPONSIBILITIES

- Read and observe the safety rules.
- Follow regular schedule in maintaining, caring for and using your generator.
- Follow the instructions under "Maintenance" and "Storage" sections of this Owner's Manual.

FULL ONE YEAR WARRANTY

For one year from the date of purchase, Sears will repair any defect in material or workmanship in this generator at no charge.

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

Warranty service is available by returning to the nearest SEARS SERVICE CENTER/DEPARTMENT throughout the United States.

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

SEARS, ROEBUCK AND CO., Department 731CR-W, Sears Tower, Chicago, IL 60684

TABLE OF CONTENTS

SAFETY RULES INSIDE COVER
 MAINTENANCE AGREEMENT 1
 CUSTOMER RESPONSIBILITIES..... 1
 PRODUCT SPECIFICATIONS 1
 WARRANTY..... 1
 ASSEMBLY
 To Remove Generator from Carton..... 3
 Parts Shipped Loose with Unit 3
 Cord Sets and Connector Plugs..... 3
 Grounding the Generator 3
 OPERATION
 Know Your Generator..... 4
 Before Starting Engine 5
 To Start Engine 5
 Connecting Electrical Loads..... 6
 Stopping the Engine 6
 Don't Overload the Generator 7
 Wattage Reference Guide..... 7

MAINTENANCE
 General Recommendations 8
 Generator Maintenance 8
 Engine Maintenance 8-9
 SERVICE AND ADJUSTMENTS
 Engine Speed 10
 Carburetor 10
 Check Compression..... 10
 Check Ignition 11
 Check Carburetion 11
 STORAGE
 General 11
 Storage Instructions 11
 TROUBLESHOOTING POINTS 12
 WIRING DIAGRAM..... 14
 REPAIR PARTS..... 15-23
 PARTS ORDERING..... BACK COVER

INDEX

<p style="text-align: center;">- A -</p> <p>Air Filter 8 Assembly 3</p> <p style="text-align: center;">- B -</p> <p>Battery Charging 6 Safety 6 Before Starting 5</p> <p style="text-align: center;">- C -</p> <p>Carburetor 11 Check Carburetion 12 Check Compression 11 Check Ignition 11 Circuit Breaker 7 Connecting Electrical Load ... 6 Cord Sets, 120 volts 3 Customer Responsibilities ... 1</p> <p style="text-align: center;">- E -</p> <p>Engine Maintenance 8 Oil Level 5 Speed 11</p>	<p style="text-align: center;">- G -</p> <p>Generator Maintenance 8 Grounding 3 Gasoline 5</p> <p style="text-align: center;">- L -</p> <p>Lubrication 5, 8</p> <p style="text-align: center;">- M -</p> <p>Maintenance Agreement 1 Engine 8 Generator 8 Recommendations 8 Spark Arrestor 9 Spark Plug 9</p> <p style="text-align: center;">- O -</p> <p>Operation 4-7 Overloads 7</p> <p style="text-align: center;">- P -</p> <p>Parts, loose in carton 3 Parts, repair 15-23</p>	<p style="text-align: center;">- R -</p> <p>Replace Foam Filter 8 Replace Paper Element 9</p> <p style="text-align: center;">- S -</p> <p>Safety Rules..... inside cover Service and Adjustments Carburetor 11 Carburetion 12 Checking Compression 12 Checking Ignition 11 Engine Speed 11 Service Recommendations .. 10 Specifications 1 Starting Engine 5 Stopping Engine 6 Storage 12</p> <p style="text-align: center;">- T -</p> <p>Troubleshooting 13</p> <p style="text-align: center;">- W -</p> <p>Warranty 1 Wattage Reference Guide ... 7 Wiring Diagram 14</p>
---	--	--

ASSEMBLY

Your a-c generator was completely assembled at the factory. It is ready for use after it has been properly serviced with the recommended lubricating oil and fuel.

IMPORTANT: ANY ATTEMPT TO RUN THE ENGINE BEFORE IT HAS BEEN SERVICED WITH THE RECOMMENDED OIL WILL RESULT IN AN ENGINE FAILURE.

TO REMOVE GENERATOR FROM CARTON

- Set the carton on a flat rigid surface with "THIS SIDE UP" arrows pointing upward.
- Carefully open the top flaps of shipping carton.
- Remove any loose parts shipped with the unit. These are shipped in a brown manilla or plastic envelope.
- Cut down corners at one end of shipping carton and lay that side of carton down flat.
- Remove packing material, carton fillers, etc.
- Remove generator from shipping carton.
- Check carton carefully for any additional loose parts.

CORD SETS AND CONNECTOR PLUGS

120 VOLTS DUPLEX RECEPTACLE

Use only high quality, well-insulated, 3-wire grounded extension cords with the generator's 120-volt "duplex" type electrical receptacles (Fig. 1). All cord sets used should be rated 125 volts at 20 a-c amps or greater for most electrical devices. Keep extension cords as short as possible, preferably less than 15 feet long to prevent voltage drop and possible overheating of wires.

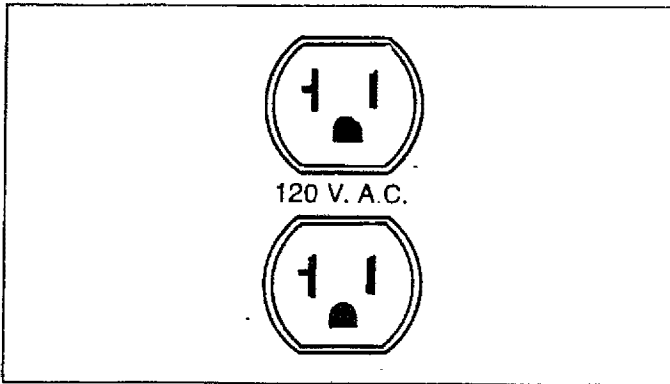


FIG. 1

NOTE: To obtain suitable mating 120 volts, 20 amp connector plugs, refer to REPAIR PARTS section of this manual. Suitable connector plugs may also be purchased at a local electrical supply store by specifying National Electrical Manufacturer's Association (NEMA) 5-20P.

120/240 VOLTS RECEPTACLE:

A 240 volts, 20 amp, twistlock type mating connector plug (Fig. 2) is required when using this receptacle. A 4-wire cord set, rate 20 a-c amperes at 250 volts (or greater), is required and must be connected to the plug and to the desired load(s). To order additional connector plugs, see REPAIR PARTS section of this manual. You may also purchase plugs at a local electrical supply store, ordering NEMA type L14-20P.

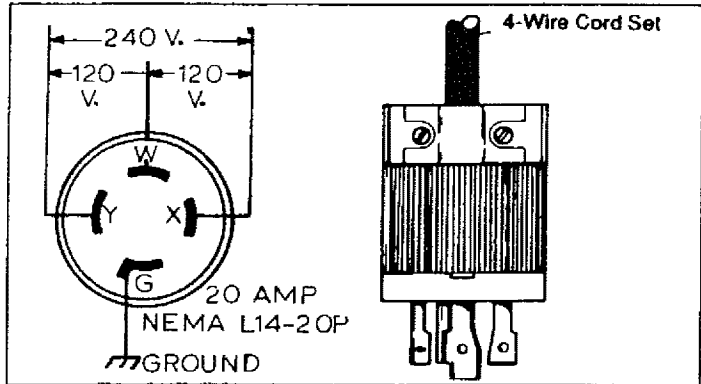


FIG. 2

GROUNDING THE GENERATOR.

The National Electrical Code requires that the frame and external electrically conductive parts of this generator be properly connected to an approved earth ground. Local electrical codes may also require proper grounding of the unit. For that purpose, a GROUNDING LUG is provided on the base of the cradle (Fig. 3). Generally, connecting a No. 12 AWG (American Wire Gauge) stranded copper wire to the grounding lug and to an earth-driven copper or brass grounding rod (electrode) provides adequate protection against electrical shock. However, local codes may vary widely. Consult with a local electrician for grounding requirements in your area.

Proper grounding of generator will help prevent electrical shock in the event of a ground fault condition in the generator or in connected electrical devices. Proper grounding also helps dissipate static electricity, which often builds up in ungrounded devices.

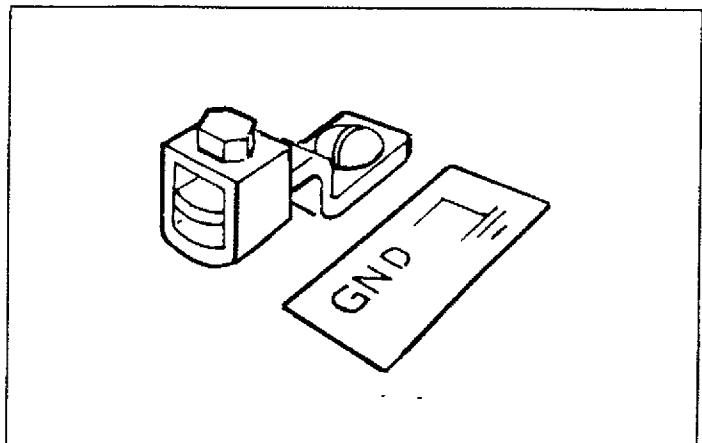
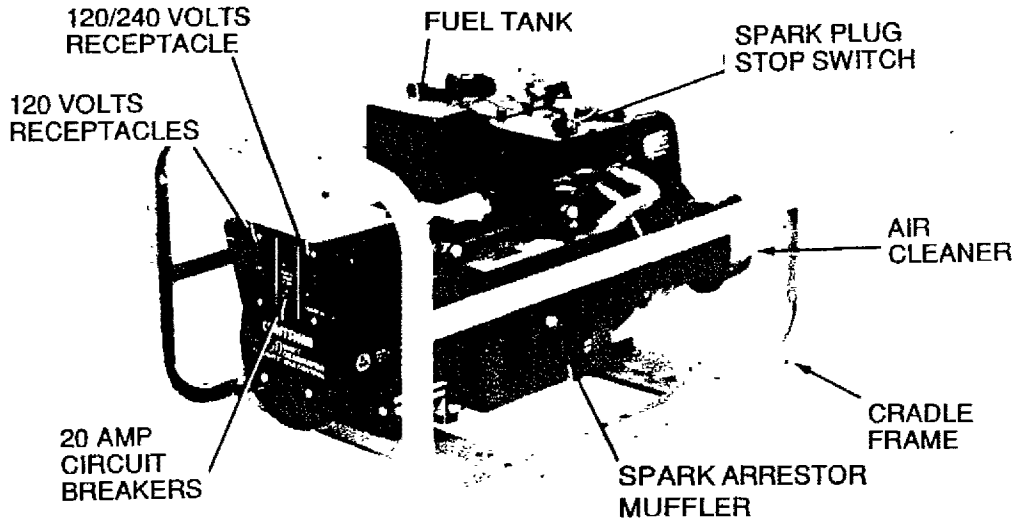


FIG. 3

OPERATION

KNOW YOUR GENERATOR

READ THIS OWNER'S MANUAL AND SAFETY RULES BEFORE OPERATING YOUR GENERATOR. Compare the illustrations with your generator, to familiarize yourself with the locations of various controls and adjustments. Save this manual for future reference.



120 VOLTS "DUPLEX" RECEPTACLES - May be used to supply electrical power for the operation of 120 volts at 20 amps a-c, single phase, 60 Hz, a-c electrical lighting, appliance, tool and motor loads.

120/240 VOLTS RECEPTACLE - May be used to supply electrical power for the operation of up to 240 volts at 20 amps a-c, single phase, 60 Hz, a-c electrical lighting, appliance, tool and motor loads. Twistlock connectors are required when using this receptacle.

SPARK ARRESTOR MUFFLER - Exhaust muffler has a spark arrestor screen.

IDLE CONTROL SWITCH (not shown) - Provides automatic control of governed speed, which only runs at high speed when loads are connected. Otherwise it runs at a slower idle speed.

AIR CLEANER - Uses a dry type filter element to limit the amount of dirt and dust that gets in the engine. Some units may be equipped with an optional, dry type pre-cleaner.

FUEL TANK - Can hold one (1) U.S. gallon of gasoline. Unleaded gasoline is recommended, but regular leaded gasoline is acceptable. amount of fuel in tank.

SPARK PLUG STOP SWITCH - Contact this switch with spark plug to shut down engine.

RECOIL STARTER - (Not shown) Used for starting the engine.

CHOKE (not shown) - Used when starting a cold engine.

OIL FILL (not shown) - Check and maintain correct oil level here.

OPERATION

BEFORE STARTING ENGINE

ADD OIL:

- Place generator on a level surface and remove oil fill plug (Fig. 4). Fill with Sears SAE 30 detergent oil to point indicated on oil dipstick. SAE 10W-30 oil may also be used. **DO NOT USE SAE 10W-40 OIL.** POUR SLOWLY. Oil capacity of engine is 1.5 U.S. pints. When oil pan is full, install and tighten oil fill plug.

ADD GASOLINE:

- Fill fuel tank with clean, fresh, **UNLEADED** gasoline. Leaded **REGULAR** grade gasoline may also be used. **DO NOT USE PREMIUM GASOLINE.** BE CAREFUL NOT TO OVERFILL FUEL TANK.

WARNING: Experience indicates that alcohol-blended fuels (called gasohol or using 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 avoid engine problems when using gasohol, the fuel system should be emptied before storage periods of 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. See **STORAGE INSTRUCTIONS** for additional information. Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.

TO START THE ENGINE

Unplug all electrical loads from generator receptacles before starting the engine. Never start or stop the engine with electrical devices plugged into panel receptacles and turned on.

- Start, store and fuel the unit in a level position.
- Apply the choke (Fig. 5). Rotate choke lever to its **FULL CHOKE POSITION**. If engine is warm, close the choke only part way or leave it fully open. A warm engine needs less choking than a cold engine.
- Check that the spark plug wire is connected to engine spark plug. Also check that the Stop Switch next to spark plug (if so equipped) is not contacting the spark plug (Fig 6).
- Crank engine. Grasp the starter grip (Fig. 7) and pull slowly until you feel some resistance. Let rope return slowly. Then pull cord out with rapid full arm stroke. Let rope return slowly. Do not let rope "snap back" against starter. Repeat until engine starts.
- When engine starts, move the choke to "1/2 CHOKE" until engine runs smoothly. then to "NO CHOKE" position as engine warms up.
- Let the engine stabilize and warm up for a few minutes. Then plug in and turn on the desired electrical loads.

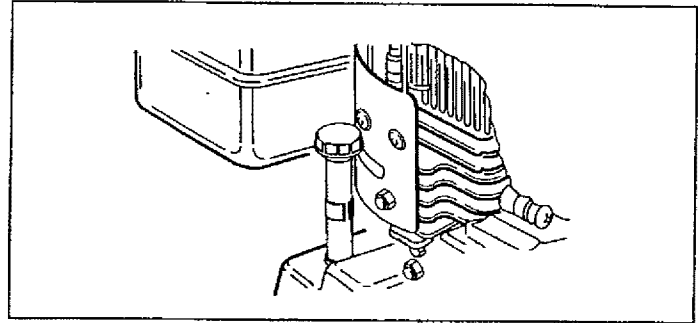


FIG. 4

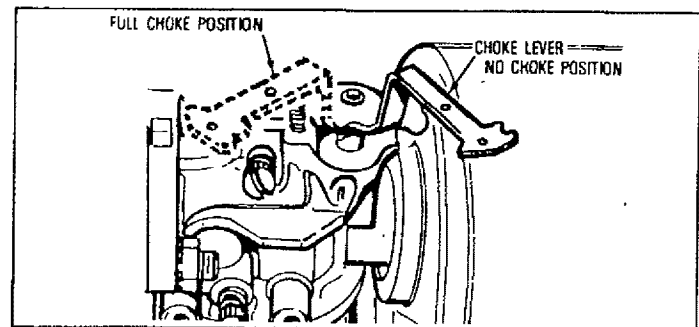


FIG. 5

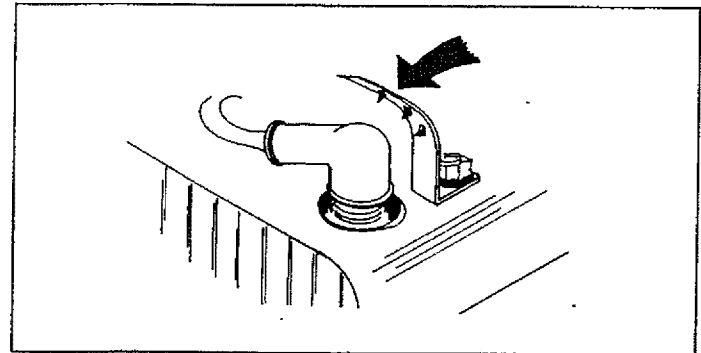


FIG. 6

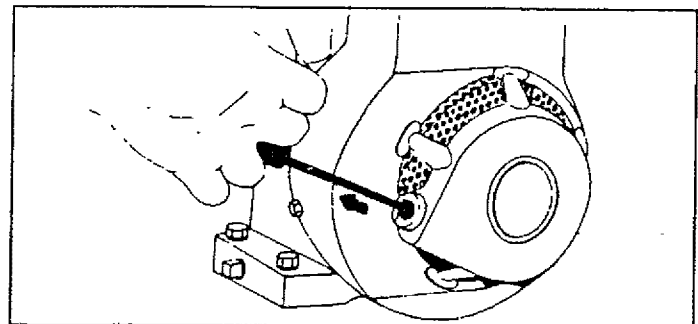


FIG. 7

NOTE: If engine "hunts" or falters after starting, apply the choke until the engine begins running smoothly. If engine continues to hunt, you may need to adjust the carburetor. See **SERVICE AND ADJUSTMENTS** on Page 10.

OPERATION

CONNECTING ELECTRICAL LOADS

- Use this generator to operate 120\240 volts, single phase, 60 Hz, a-c lighting, appliance, tool and motor loads.
- DO NOT connect 240 volts to the 120 volts duplex receptacles.
- DO NOT connect any 3-phase loads to panel receptacles.
- DO NOT connect any 50 Hz loads to the generator.
- Add up the rated watts of all lights, tool, appliance and motor loads you are powering at one time. This total should NOT be greater than (a) the generator's rated wattage capacity, or (b) the circuit breaker rating of the receptacle supplying power. See "Don't Overload the Generator" on Page 7.

STOPPING THE ENGINE

- Unplug all electrical loads from the generator panel receptacles. Never start or stop the engine with electrical devices plugged in and turned on.
- Let the engine run at no-load for several minutes to stabilize the internal temperatures of engine and generator.
- Push Stop Switch (Fig. 7) against spark plug and hold until engine has come to complete stop.

AUTOMATIC IDLE CONTROL

An Automatic Idle Control system provides greatly improved fuel economy by operating the unit at its normal high governed speed only when electrical loads are plugged in and turned on. The system consists of (a) an Idle Control Circuit Board, (b) a Sensing Transformer, (c) an Electromagnet, and (d) an Idle Control Switch (Fig. 8).

Idle Control Switch ON: Engine-generator runs at high governed speed only when an electrical load is connected to the generator and turned on. When the electrical load is disconnected, an Electromagnet is energized to pull the engine throttle control against its idle stop. Engine then runs at reduced (idle) speed.

Idle Control Switch OFF: The Electromagnet cannot be energized, since its power circuit is open. Engine runs at high governed speed (about 3600 rpm) whether load(s) are connected or not.

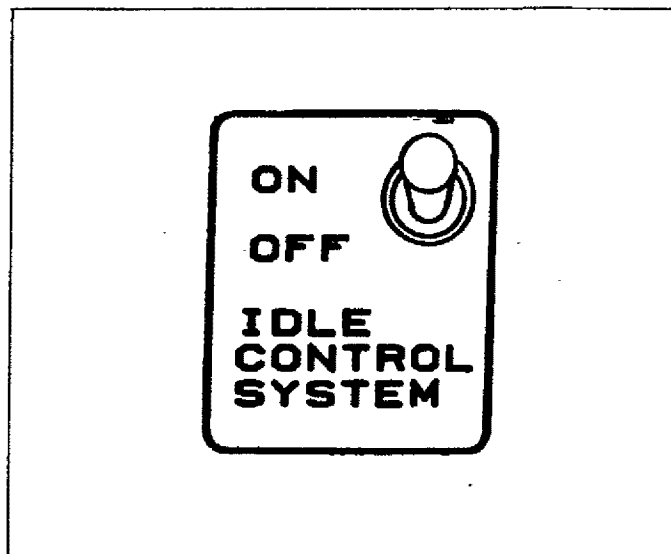


FIG. 8

The Idle Control System may be briefly described as follows:

- Power voltage for Electromagnet operation is available to the Idle Control Circuit Board, via Wires 11D and 22.
- When an electrical load is not plugged in to panel receptacles, no current flows through the Sensing Transformer primary winding and no current flow is present in the Transformer secondary winding. The Idle Control Circuit Board then completes the circuit to the Electromagnet, which energizes to pull the engine throttle back against its idle stop. The engine-generator runs at idle speed.
- When an electrical load is plugged in, current flows through the primary windings of the Sensing Transformer, to induce a current flow into the Transformer's secondary windings. This current flow to the load is "sensed" by the Idle Control Circuit Board, via Wires 155 and 156. Circuit board action then opens the power circuit to the Electromagnet, which de-energizes. The engine governor then maintains engine speed at about 3600 rpm.

OPERATION

DON'T OVERLOAD THE GENERATOR

This generator is equipped with 20-amp circuit breakers, which protect the unit against electrical overload. Overloading a generator in excess of its rated wattage capacity can result in damage to the generator to connected electrical devices. Observe the following, to prevent overloading the unit.

- Add up the total wattage of all electrical devices to be connected at one time. This total should NOT be greater than the generator's wattage capacity.
- The rated wattage of lights can be taken from light bulbs. The rated wattage of tools, appliances and motors can usually be found on a data plate or decal affixed to the device.
- If the appliance, tool or motor does not give wattage, multiply 120 volts times ampere rating to determine watts (volts x amps = watts).

- Some electric motors, such as induction types, require about two and a half times more watts of power for starting than for running. This surge of power lasts only a few seconds when starting such motors. Make sure you allow for this high starting wattage when selecting electrical devices to connect to your generator. First, figure the watts needed to start the largest motor. Add to that figure the running watts of all other connected loads.
- The GUIDE below is provided to assist you in determining how many items your generator can operate at one time.

WATTAGE REFERENCE GUIDE

	RUNNING WATTS		RUNNING WATTS
*Air Conditioner (12,000 Btu)	1700	Lawn Mower.....	1200
Battery Charger (20 amp).....	500	Light Bulb	100
Belt Sander (3").....	1000	Microwave Oven	700
Chain Saw.....	1200	*Milk Cooler.....	1100
Circular Saw (6-12").....	800 to 1000	Oil Burner on Furnace.....	300
Coffee Maker.....	1000	Oil Fired Space Heater (140,000 Btu).....	400
*Compressor (1 HP).....	2000	Oil Fired Space Heater (85,000 Btu).....	225
*Compressor (3/4 HP).....	1800	Oil Fired Space Heater (30,000 Btu).....	150
*Compressor (1/2 HP).....	1400	*Paint Sprayer, Airless (1/3 HP).....	600
Curling Iron.....	700	Paint Sprayer, Airless (handheld)	150
*Deep Freeze	500	Radio.....	50 to 200
Disc Sander (9").....	1200	*Refrigerator.....	600
Edge Trimmer.....	500	Slow Cooker.....	200
Electric Nail Gun	1200	*Submersible Pump (1-1/2 HP).....	2800
Electric Range (one element).....	1500	*Submersible Pump (1 HP).....	2000
Electric Skillet.....	1250	*Submersible Pump (1/2 HP).....	1500
*Furnace Fan (1/3 HP)	1200	Sump Pump	600
Hair Dryer.....	1200	*Table Saw (10").....	1750 to 2000
Hand Drill (1").....	1100	Television.....	200 to 500
Hand Drill (1/2").....	750 to 1000	Weed Trimmer	500
Hand Drill (3/8").....	500		
Hand Drill (1/4").....	250		
Hedge Trimmer	450		
Impact Wrench	500		
*Jet Pump.....	800		

* Allow 2-1/2 times the listed watts for starting these devices.

MAINTENANCE

GENERAL RECOMMENDATIONS

The Owner/Operator is responsible for making sure that all periodic maintenance tasks are completed on a timely basis; that all discrepancies are corrected; and that the unit is kept clean and properly stored. Never operate a damaged or defective generator. Follow the recommendations in the SERVICE RECOMMENDATIONS chart on page 12.



CAUTION: DISCONNECT SPARK PLUG WIRE FROM SPARK PLUG AND PLACE WIRE WHERE IT CANNOT COME IN CONTACT WITH YOUR SPARK PLUG BEFORE WORKING ON YOUR GENERATOR.

GENERATOR MAINTENANCE

Generator maintenance consists of keeping the unit clean and dry. Operate and store the unit in a clean dry environment where it will not be exposed to excessive dust, dirt, moisture or any corrosive vapors. Cooling air slots in the generator must not become clogged with snow, leaves, or any other foreign material.

Check the cleanliness of the generator frequently and clean when dust, dirt, oil, moisture or other foreign substances are visible on its exterior surface.

NOTE: We DO NOT recommend using a garden hose to clean generator. Water can enter the engine fuel system and cause problems. In addition, if water enters the generator through cooling air slots, some of the water will be retained in voids and cracks of the rotor and stator winding insulation. Water and dirt buildup on the generator internal windings will eventually decrease the insulation resistance of these windings.

TO CLEAN THE GENERATOR:

- Use a damp cloth to wipe exterior surfaces clean.
- A soft, bristle brush may be used to loosen caked on dirt, oil, etc.
- A vacuum cleaner may be used to pick up loose dirt and debris.
- Low pressure air (not to exceed 25 psi) may be used to blow away dirt. Inspect cooling air slots and openings on the generator. These openings must be kept clean and unobstructed.



CAUTION: NEVER INSERT ANY OBJECT OR TOOL THROUGH THE AIR COOLING SLOTS, EVEN IF THE ENGINE IS NOT RUNNING. DAMAGE TO THE UNIT OR PERSONAL INJURY MAY RESULT.

ENGINE MAINTENANCE

CHECKING OIL LEVEL

Oil level should be checked prior to each use or at least every five hours of operation. See OPERATION section for more information.

CHANGING OIL

Change oil after first five hours of operation. Change oil every 50 hours thereafter. If you are using your generator under dirty or dusty conditions, or in extremely hot weather, change oil every 25 hours of operation.

Change oil while engine is still warm from running, as follows:

- Remove oil drain plug (Fig. 9) and drain oil completely into a suitable container.
- When all oil has drained, install and tighten oil drain plug.

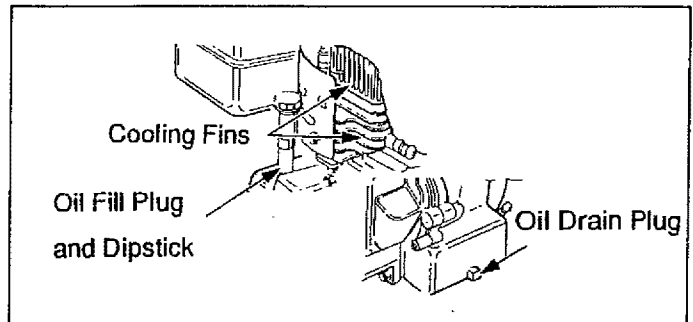


FIG. 9

- Remove oil filler plug/dipstick. Fill engine to point indicated on oil dipstick. DO NOT fill above "FULL" mark. You will need about 1.5 pints.
- When engine sump pump is filled to proper point, install and tighten oil filler plug/dipstick.

SERVICE AIR CLEANER

Your engine will not run properly and may be damaged if you run it using a dirty air cleaner.

Replace paper air cleaner element: If engine is equipped with paper type cleaner (Fig. 10) clean or replace air filter at least once each year. Replace more often if operating under extremely dirty or dusty conditions DO NOT ATTEMPT TO CLEAN OR OIL THE PAPER FILTER. Install a new paper filter as follows.

- Remove WING NUT, COVER and PAPER FILTER. Discard the PAPER FILTER.
- Clean inside of BASE and COVER thoroughly.
- Position new PAPER FILTER on BASE.
- Install COVER and secure it to BASE with WING NUT.

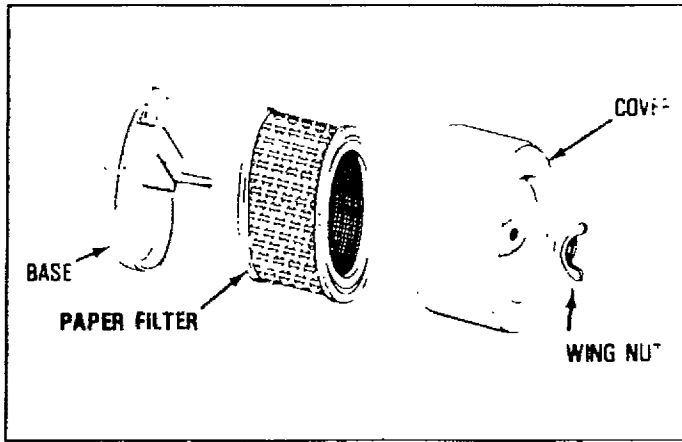


FIG. 10

CLEAN SPARK ARRESTOR

The engine exhaust muffler has a spark arrestor screen. The screen should be inspected every 100 operating hours or once each year, whichever comes first.



CAUTION: LET THE MUFFLER COOL BEFORE WORKING ON IT. CONTACT WITH A HOT MUFFLER OR ENGINE CAN CAUSE SEVERE BURNS.

NOTE: If you use your generator on any forest-covered, brush-covered or grass-covered unimproved land, it must have a spark arrestor. The spark arrestor must be cleaned and maintained in good condition by the owner or operator. The preceding is required by law in the State of California. Other states may have similar laws. Federal laws apply on federal lands.

Clean and inspect the spark arrestor as follows (Fig. 11)

- Remove four screws, then remove the exhaust outlet pipe and its gasket.
- Clean the screen with a commercial cleaning solvent.
- Inspect the screen and replace if torn, perforated or otherwise damaged. **DO NOT USE** a defective screen.
- Use a new gasket and install the exhaust outlet pipe. Retain with four screws.

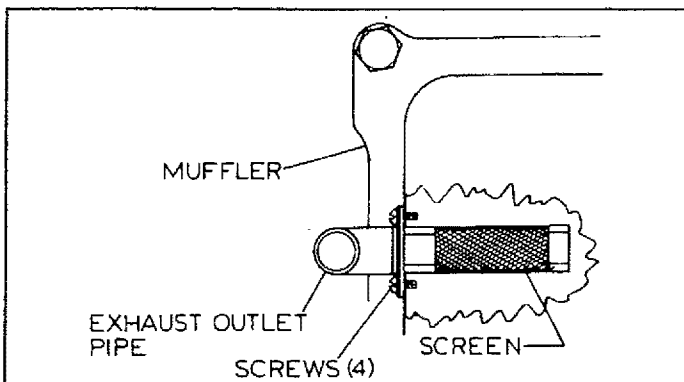


FIG. 11

REPLACE SPARK PLUG

Change the spark plug every 100 hours of operation or once each year, whichever comes first. This will help your engine to start easier and run better. Set spark plug gap (Fig. 12) to 0.030 inch (0.76mm). Remove spark plug access cover to gain access to the spark plug.

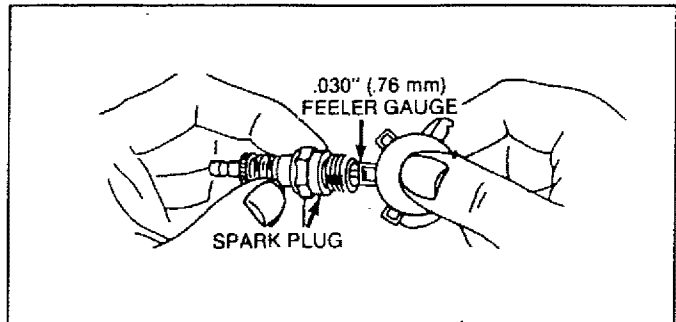


FIG. 12

CLEAN ENGINE

Inspect the engine frequently and clean when its cooling fins are dirty. Clean the engine cooling fins. Also clean the air intake screen around the starter housing.

SERVICE RECOMMENDATIONS

Periodic Maintenance Chart

Maintenance Task	PERIODIC MAINTENANCE INTERVAL					
	After First 2 Hours	Every 5 Hours	Every 20 Hours	Every 25 Hours	Once Annually	Other
1. Check engine oil level		X				
2. Change engine oil*	X			X		
3. Replace paper filter type air cleaner**					X	
4. Clean & re-oil foam type air cleaner (if so equipped)				X		
5. Check engine spark plug					X	
6. Inspect spark arrestor			X			
7. Inspect engine-generator	X				X	
8. Prepare unit for storage						X

SERVICE AND ADJUSTMENTS

ENGINE SPEED

Engine speed was properly adjusted at the factory and should require no additional adjustment. Do not attempt to change engine speed. If you believe the engine is running too fast or too slow, take your generator to an authorized Sears Service Center for repair and adjustment.

Your generator engine runs at a constant speed. This constant operating speed is maintained by a mechanical, flyweight type, fixed speed governor. DO NOT try to adjust the governed speed setting for the following reasons:

- High engine speeds are dangerous and increase the risk of personal injury or damage to equipment.
- Low engine speeds impose a heavy load on the engine when sufficient engine power is not available and may shorten engine life.
- The generator will supply correct rated a-c frequency and voltage only at the proper speed. Some connected electrical devices could be damaged by incorrect frequency and/or voltage.

CARBURETOR

The engine carburetor was factory adjusted and, under most normal conditions, should require no additional adjustment. However, some minor adjustment may be required to compensate for differences in fuel, temperature, altitude, or load on the engine.

NOTE: DO NOT remove the air cleaner when running engine. Operation without fully assembled air filter installed may cause engine damage.

INITIAL CARBURETOR ADJUSTMENT:

- Gently turn IDLE VALVE and NEEDLE VALVE (Fig. 14) clockwise until they just close. Valves may be damaged by turning them in too far.
- Open NEEDLE VALVE one and a half turns counterclockwise.
- Open IDLE VALVE one turn counterclockwise.

FINAL ADJUSTMENT:

- Start engine and let it warm up at least five minutes.
- Turn NEEDLE VALVE in (clockwise - lean mixture) until engine starts to slow down.
- Turn NEEDLE VALVE out (counterclockwise - rich mixture) past the smooth operating point.
- Turn the needle valve in (lean mixture) to midpoint between rich and lean.

- Rotate the THROTTLE counterclockwise and hold it against the THROTTLE STOP. While holding it in this position, turn IDLE VALVE in slowly and then out slowly. Set at midpoint between rich and lean.
- Release THROTTLE. If engine does not accelerate properly, readjust carburetor to a richer mixture.

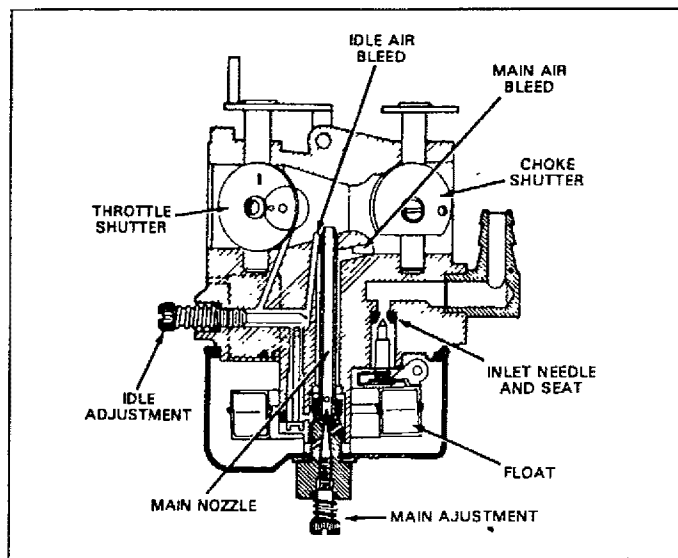


FIG. 14

CHECK COMPRESSION

Remove spark plug and hold thumb over spark plug hole while cranking engine. Compression should be sufficient to push thumb off the opening. If compression appears low, check for the following:

- Loose cylinder head bolts.
- Blown head gasket
- Worn or damaged engine. Contact Sears Service Department.

SERVICE AND ADJUSTMENTS

CHECK CARBURETION

Make sure gas tank is filled with clean, fresh gasoline. Make sure fuel shutoff valve is open. Make sure fuel flows freely through fuel line between tank and carburetor. Crank engine several times, then remove spark plug. If plug is wet, look for the following:

- Overchoking
- Rich fuel mixture
- Water in fuel
- Intake valve stuck open

If plug is dry, look for the following:

- Leaking carburetor gaskets
- Gummy or dirty carburetor
- Intake valve stuck closed

CHECK IGNITION

Remove spark plug wire from plug and hold metal terminal end of wire near engine metal part. Crank engine. A spark should jump the gap from wire to engine. If spark occurs, try a new spark plug. If no spark occurs, contact Sears Service Department.

STORAGE

GENERAL

The generator should be started at least once every seven days and allowed to run at least 30 minutes. If this cannot be done and you must store the unit for more than 30 days, use the following information as a guide to prepare it for storage.

STORAGE INSTRUCTIONS

ENGINE:

- While engine is still warm, drain oil from crankcase and refill with fresh oil.
- Remove all fuel from fuel tank. Drain tank and run engine until it stops from lack of fuel.

IMPORTANT: IT IS IMPORTANT TO PREVENT GUM DEPOSITS FROM FORMING IN ESSENTIAL FUEL SYSTEM PARTS SUCH AS THE CARBURETOR, FUEL FILTER, FUEL HOSE, OR TANK DURING STORAGE. ALSO, EXPERIENCE INDICATES THAT ALCOHOL BLENDED FUELS (called gasohol or using ethanol or methanol) CAN ATTRACT MOISTURE WHICH CAN FORM ACIDS THAT SEPARATE DURING STORAGE. ACIDIC GAS CAN DAMAGE THE FUEL SYSTEM OF AN ENGINE WHILE IN STORAGE.

- Remove spark plug and pour about 0.5 ounce (15cc) of engine oil into cylinder. Crank engine to distribute oil. Install spark plug.
- Clean dirt, oil, and grease from cylinder, cylinder head, fins, blower housing, rotating screen and muffler area.
- Store generator in clean, dry area.

GENERATOR:

- Clean the generator as outline on Page 8 ("Cleaning the Generator").
- Check that cooling air slots and openings on generator are open and unobstructed.

OTHER STORAGE TIPS:

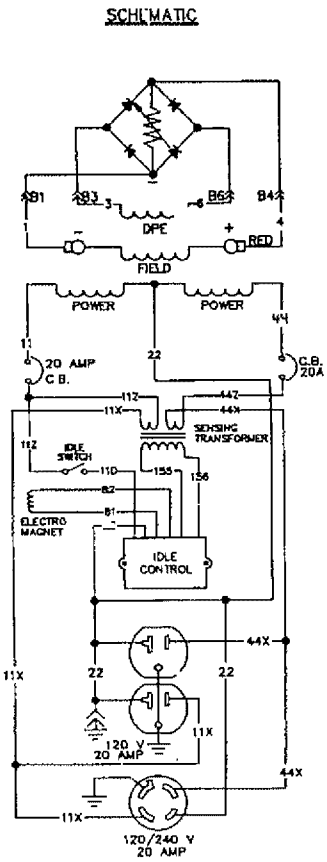
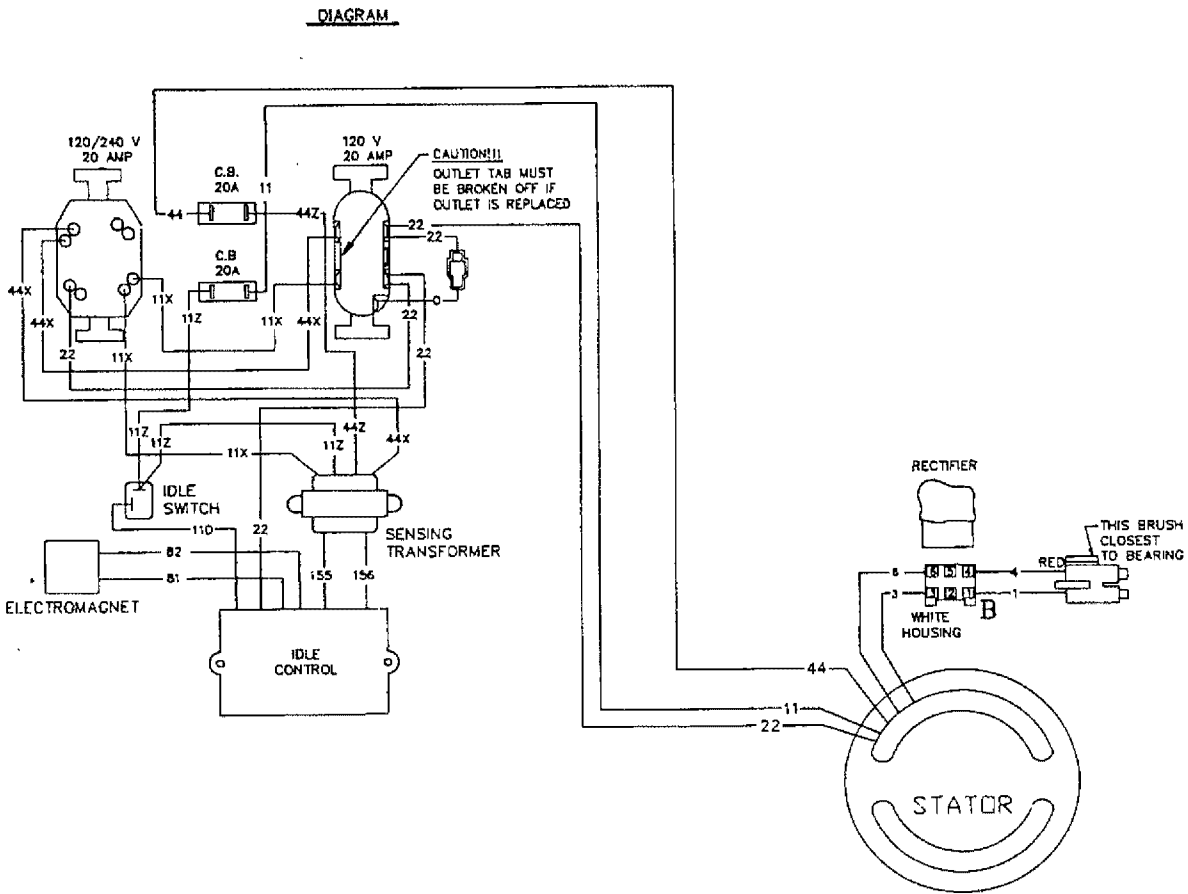
- Do not store gasoline from one season to another.
- Replace your gasoline can if it starts to rust. Rust and/or dirt in your gasoline can cause problems when you use it with this unit.

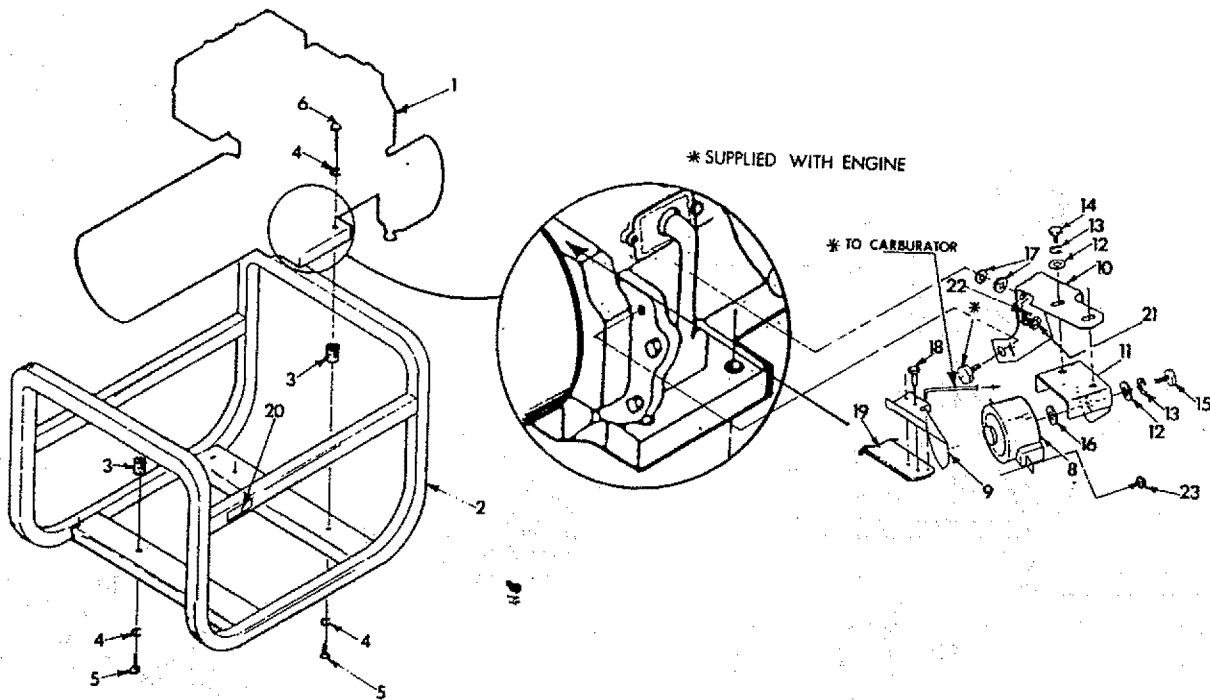
Do not store the generator under any plastic cover. Plastic cannot breathe, allowing condensation (moisture) to form. This condensation can cause your generator to rust.

NOTE: If you must store the generator with fuel in the fuel tank, using a fuel additive such as STA-BIL®, or an equivalent will prevent fuel gum deposits from forming.

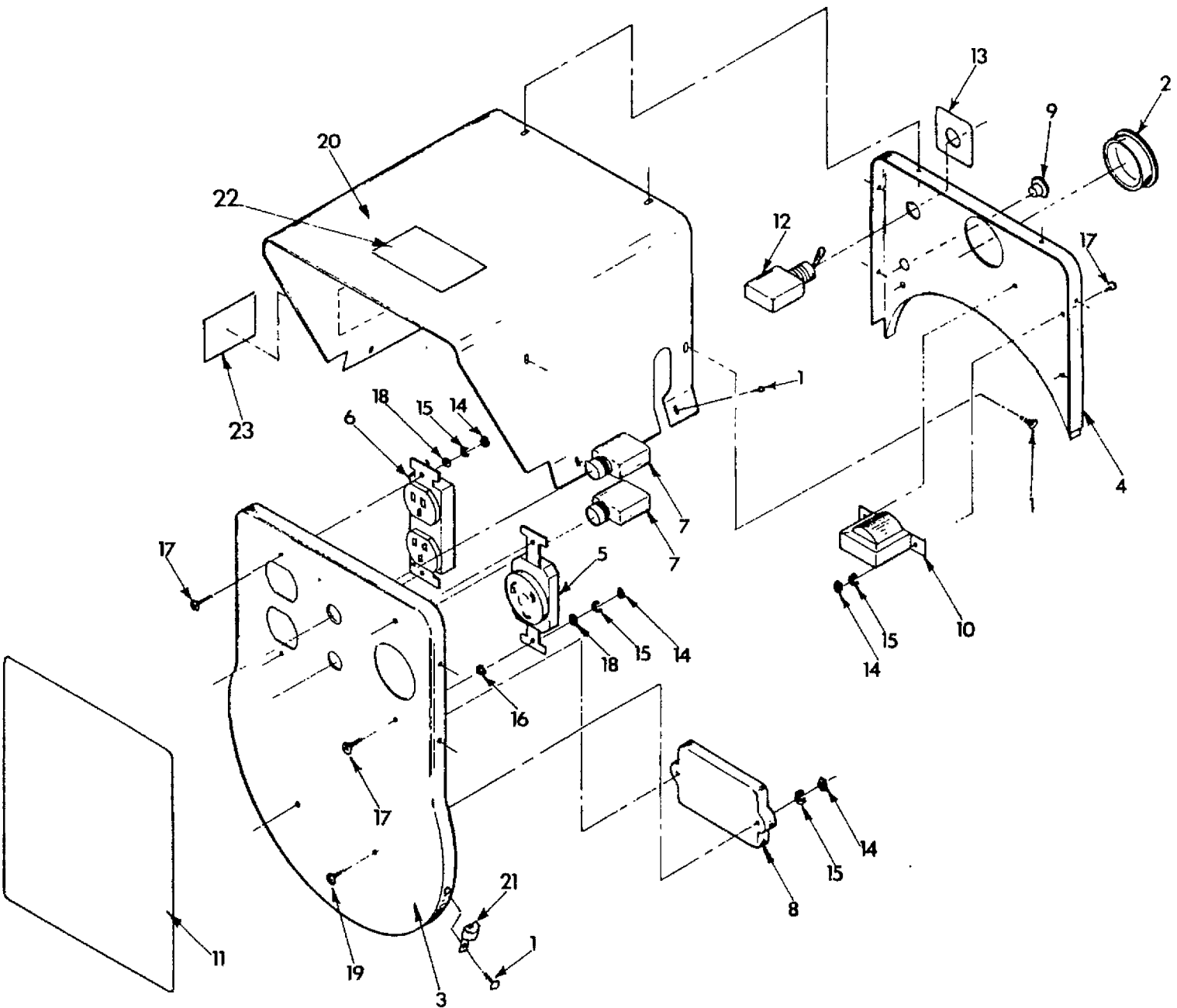
TROUBLESHOOTING POINTS

PROBLEM	CAUSE	CORRECTION
No a-c output.	<ol style="list-style-type: none"> 1. 20 amp circuit breaker open. 2. Fault in generator. 3. Poor connection or defective cord set. 4. Connected device is bad. 	<ol style="list-style-type: none"> 1. Reset circuit breaker. 2. Contact Sears Service Dept. 3. Check and repair. 4. Connect another device that is in good condition.
Engine runs good at no-load but "bogs down" when loads are connected.	<ol style="list-style-type: none"> 1. Short circuit in a connected electrical load. 2. Engine speed too slow. 3. Generator is overloaded. 4. Shorted generator circuit. 	<ol style="list-style-type: none"> 1. Disconnect shorted electrical load. 2. Contact Sears Service Dept. 3. See "Don't Overload the Generator on Page 7. 4. Contact Sears Service Dept.
Engine will not start or starts and runs rough.	<ol style="list-style-type: none"> 1. Run/Stop Switch set to Stop. 2. Dirty air cleaner 3. Out of gasoline. 4. Stale gasoline. 5. Spark plug wire not connected to spark plug. 6. Bad spark plug. 7. Water in gasoline. 8. Overchoking. 9. Excessively rich fuel mixture. 10. Intake valve stuck open or closed. 11. Engine Compression lost. 	<ol style="list-style-type: none"> 1. Set switch to RUN. 2. Clean or replace air cleaner. 3. Fill fuel tank. 4. Drain gas tank; fill with fresh gasoline. 5. Connect wire to spark plug. 6. Replace spark plug. 7. Drain gas tank; fill with fresh gasoline. 8. Open choke fully and crank engine 9. Adjust carburetor (see Page 11) 10. Contact Sears Service Department 11. Contact Sears Service Department.
Engine lacks power	<ol style="list-style-type: none"> 1. Load is too high. 2. Dirty air filter. 	<ol style="list-style-type: none"> 1. See "Don't Overload the Generator on Page 7 2. Replace air filter..
Engine "hunts" or falters.	<ol style="list-style-type: none"> 1. Choke is opened too soon. 2. Carburetor is running too rich or too lean. 	<ol style="list-style-type: none"> 1. Move choke to halfway position until engine runs smoothly. 2. Adjust carburetor.
Other engine problems	Check compression, ignition, carburetion, or a-c generation.	See information in "Service and Adjustments" on Page 10.

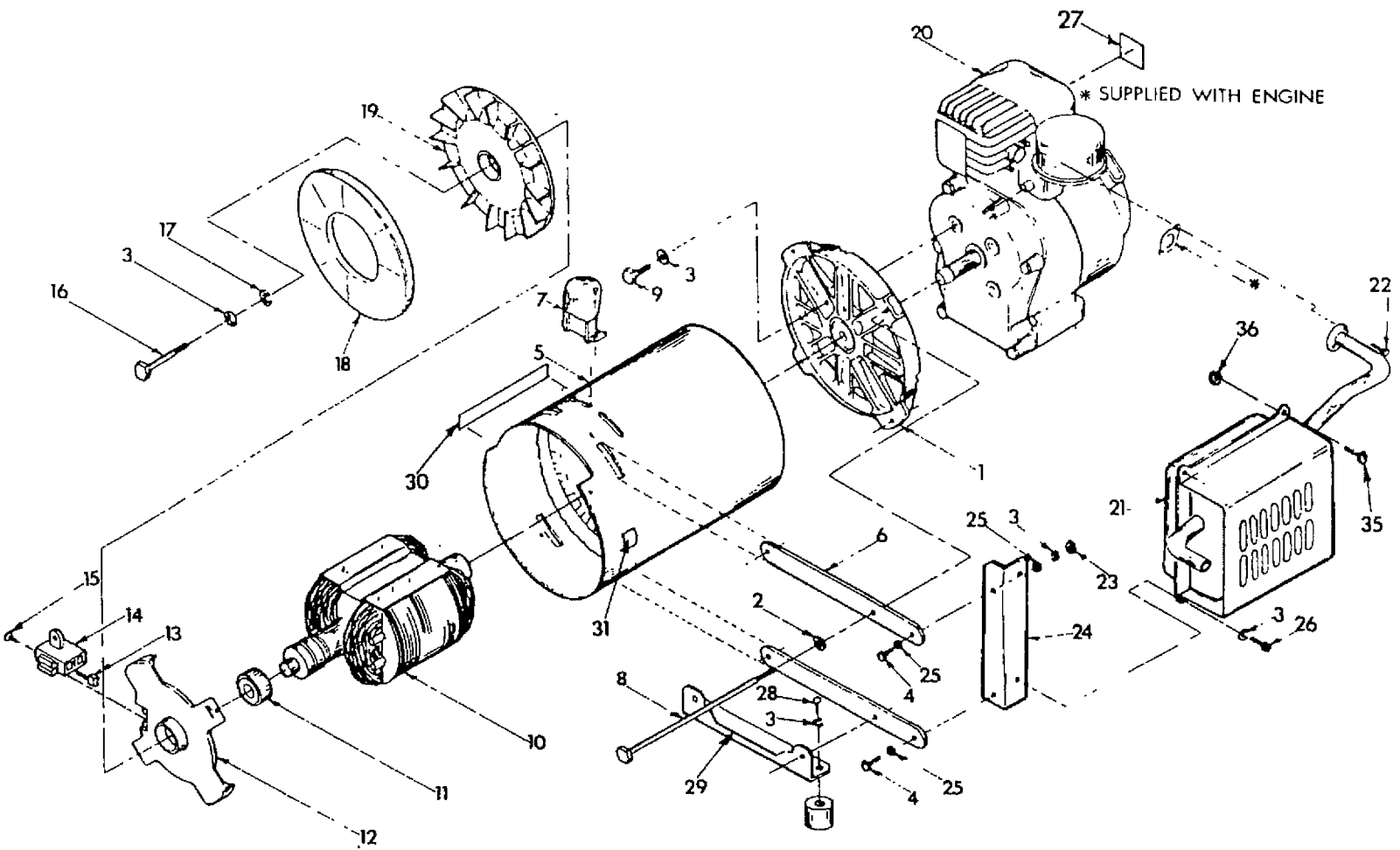




ITEM	PART NO.	QTY.	DESCRIPTION
1	76236	1	ENGINE-TECUMSEH 8HP.
2	75933	1	CRADLE,, SEARS 4000
3	44624	4	MOUNT, RUBBER
4	22129	8	LOCK WASHER-5/16"
5	36223	4	CAPSCREW, HEX HEAD-5/16"-18 x 3/4"
6	33212	2	CAPSCREW, HEX HEAD-5/16"-18 x 1-1/4" LONG
8	76220	1	IDLE CONTROL COIL
9	70434	1	LEVER, I/C THROTTLE
10	70433	1	BRACKET, COIL TO ENGINE
11	70432	1	BRACKET, I/C COIL
12	38150	3	FLAT WASHER-#8
13	22264	3	LOCK WASHER-#8
14	51718	2	CAPSCREW, HEX HD.-M4-0.70 x 10
15	22153	1	MACHINE SCREW, ROUND HEAD-#8-32 x 1/2"
16	22473	1	FLAT WASHER-#10
17	23897	2	FLAT WASHER-#10
18	36261	2	POP RIVET, STAINLESS STEEL 1/8" x .23
19	70446	1	GOVERNOR LEVER
20	77816	1	DECAL, CAUTION HOT
21	50923	1	MACH. SCR., PP HD. #10-24 x 5/8"
22	22152	1	LOCK WASHER, NO. 10
23	25105	2	SCR, ROUND HD.-MACH. WITH LOCK WASHER #6-32x1/4"



ITEM	PART NO.	DESCRIPTION
1	24489	SCREW (TAPTITE) - No. 10-32 x 3/8" (14 REQ.)
2	24944	PLUG, BUTTON -- 1.25" DIAMETER (1 REQ.)
3	76249	PANEL, END (1 REQ.)
4	76460	BACK, PANEL SHROUD (1 REQ.)
5	68867	RECEPTACLE - 120/240 VOLTS (1 REQ.)
6	68759	RECEPTACLE - 120 VOLTS DUPLEX TYPE (1 REQ.)
7	66819	BREAKER, CIRCUIT -- 20 AMP (2 REQ.)
8	67632	BOARD, CIRCUIT - IDLE CONTROL (1 REQ.)
9	22717-A	GROMMET (1 REQ.)
10	74769	TRANSFORMER, IDLE CONTROL (1 REQ.)
11	75921	DECAL, SEARS 4000 (1 REQ.)
12	55869	SWITCH, IDLE CONTROL (1 REQ.)
13	76255	DECAL, IDLE CONTROL (1 REQ.)
14	51715	NUT, HEX - M4-0.70 (8 REQ.)
15	22264	LOCKWASHER - No. 8 (8 REQ.)
16	23365	WASHER (SHAKEPROOF) - No. 8 (2 REQ.)
17	75475	SCREW, PAN HD. - M4-0.7 X 10mm (6 REQ.)
18	38150	FLAT WASHER - No. 8 (4 REQ.)
19	70439	SCREW, PAN HD. - M4-0.7 X 20mm (2 REQ.)
20	76278	SHROUD, PANEL (1 REQ.)
*	43483	PLUG, CONNECTOR - NEMA L14-20P (1 REQ.)
*	70438	MANUAL (1 REQ.)
21	25433	GROUND LUG (1 REQ.)
22	77818	DECAL, DANGER (1 REQ.)
23	77026	DECAL, NAMEPLATE (1 REQ.)

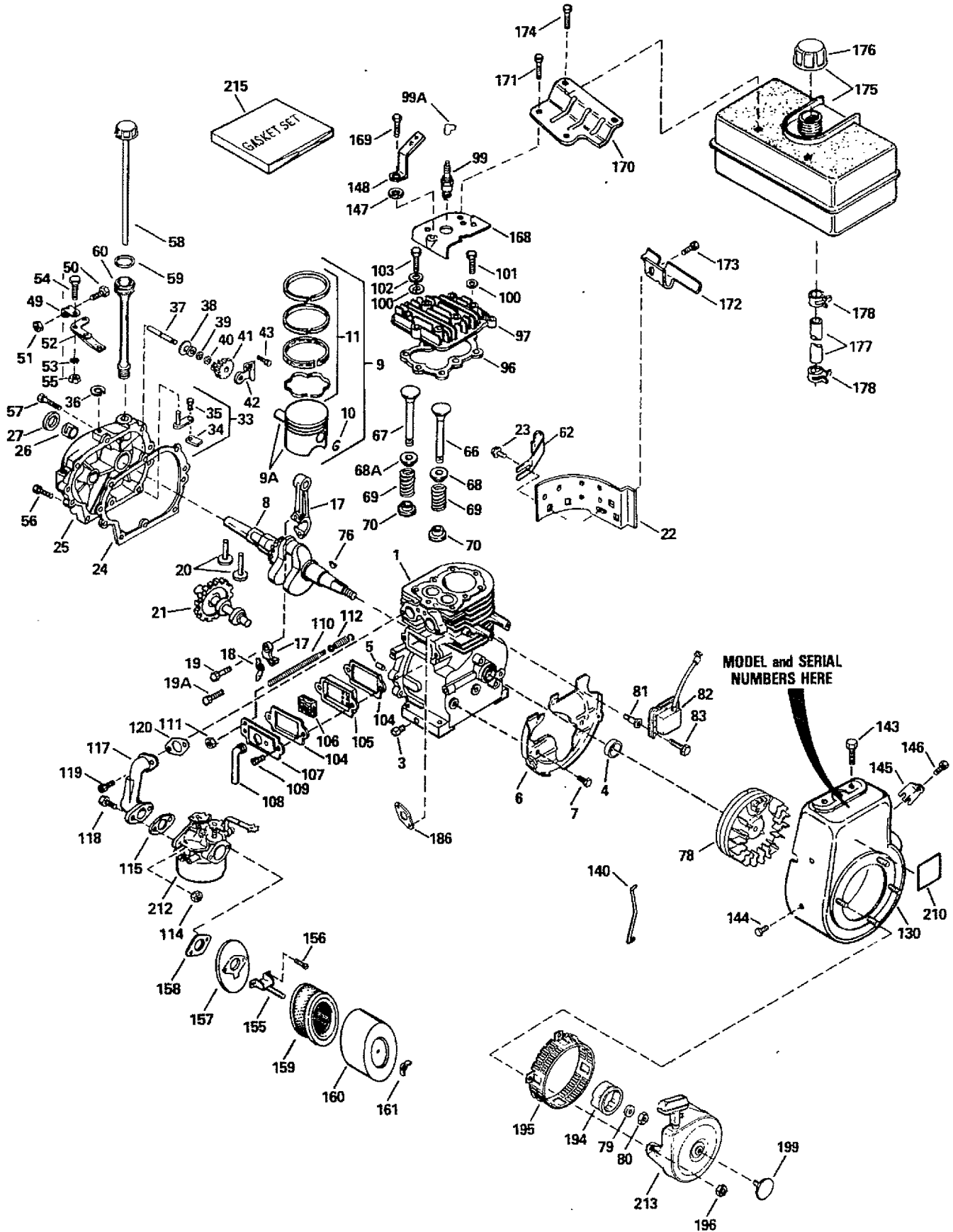


ITEM	PART NO.	DESCRIPTION
1	60220-F	HOUSING ADAPTER (1 REQ.)
2	22097	LOCKWASHER - 1/4" (4 REQ.)
3	22129	LOCKWASHER - 5/16" (9 REQ.)
4	43107	CAPSCREW, HEX HEAD M8-1.25 x 25mm LONG (2 REQ.)
5	76256	STATOR ASSEMBLY (1 REQ.)
6	75950	BAR, STATOR BOLT (2 REQ.)
7	28293	RECTIFIER BRIDGE (1 REQ.)
8	44395-H	BOLT, STATOR (4 REQ.)
9	22336	SCREW - 5/16"-24 X 3/4" (4 REQ.)
10	68397	ROTOR ASSEMBLY (1 REQ.)
11	24049	BEARING, ROTOR (1 REQ.)
12	44943	CARRIER, BEARING (1 REQ.)
13	A-24044-A	BRUSH (2 REQ.)
14	23877-D	HOLDER, BRUSH (1 REQ.)
15	25105	SCREW - No. 6-32 X 1/4" (2 REQ.)
16	28092	BOLT, ROTOR - 5/16"-24 X 9.25" (1 REQ.)
17	50190	WASHER, FAN RETAINING (1 REQ.)
18	44357	COVER, FAN (1 REQ.)
19	44331	FAN, COOLING (1 REQ.)
20	76236	ENGINE - 8HP. TECUMSEH (1 REQ.)
21	72804	MUFFLER ASSEMBLY (1 REQ.)
22	60706	CAPSCREW, SOCKET HD. - 5/16"-18 x 3/4" LONG (2 REQ.)
23	52858	NUT, LOCKING FLANGE - M8-1.25 (4 REQ.)
24	76299	SUPPORT, MUFFLER (1 REQ.)
25	22145	FLAT WASHER - M8 (2 REQ.)
26	40976	CAPSCREW, SOCKET HD. - M8-1.25 x 20mm (2 REQ.)
27	77819	DECAL, START/STOP (1REQ.)
28	36223	CAPSCREW, HEX HD. - 5/16"-18 x 1/2" LONG (2 REQ.)
29	70634	SUPPORT, REAR ALTERNATOR (1REQ.)
**	70438	MANUAL, OWNER'S (1 REQ.)
30	75940	DECAL, SEARS (1 REQ.)
31	67210-A	DECAL, GROUND (1 REQ.)
35	52829	CAPSCREW, SOCKET HD. - M8-1.25 x 14mm (2 REQ.)
36	52858	NUT, LOCKING FLANGE - M8-1.25 (4 REQ.)

** NOT SHOWN

CRAFTSMAN 4-CYCLE ENGINE

MODEL NUMBER: 143.796202



CRAFTSMAN 4-CYCLE ENGINE

MODEL NUMBER: 143.796202

Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
1	35385	Cylinder (Incl. Nos. 3, 4 & 5)	67	34036	Valve, Intake (Incl. No. 70) (1/32" oversize)
3	27642	Plug, Pipe			
4	35319	Seal, Oil	68	27882	Cap, Upper valve spring
5	27652	Pin, Dowel	68A	34689	Seal Assy., Intake valve
6	35326	Baffle, Blower housing	69	27881	Spring, Valve
7	650561	Screw, Hex washer hd. Durluk, 1/4-20 x 5/8	70	32581	Cap, Lower valve spring
			76	32589	Key, Flywheel
8	35425	Crankshaft	78	611090	Flywheel
9	34552	Piston, Pin & Ring Assy. (Incl. Nos. 9A, 10 & 11) (Std.)	79	650880	Washer, Lock
			80	650881	Nut, Flywheel
9	34553	Piston, Pin & Ring Assy. (Incl. Nos. 9A, 10 & 11) (.010 oversize)	81	650872	Stud, Solid state mounting
			82	35135	Solid State Assy.
9	34554	Piston, Pin & Ring Assy. (Incl. Nos. 9A, 10 & 11) (.020 oversize)	83	650814	Screw, Torx Hex washer hd. Sems, 10-24 x 1
9A	34329A	Piston & Pin Assy. (Incl. No. 10) (Std.)	96	*34041A	Gasket, Cylinder head
9A	34330A	Piston & Pin Assy. (Incl. No. 10) (.010 oversize)	97	34030	Head, Cylinder
			99	34251	Resistor Spark plug (Champion RJ-17LM or equivalent)
9A	34331A	Piston & Pin Assy. (Incl. No. 10) (.020 oversize)	99A	27276	Cover, Spark plug
10	27888	Ring, Piston pin retaining	100	650691	Washer, Flat
11	34332	Ring Set, Piston (Std.)	101	650727	Screw, Special hex hd. tapped, 5/16-18 x 1-3/4
11	34333	Ring Set, Piston (.010 oversize)			
11	34334	Ring Set, Piston (.020 oversize)	102	650690	Washer, Flat
17	35373A	Rod Assy., Connecting (Incl. Nos. 18, 19 & 19A)	103	650694A	Screw
			104	*27896A	Gasket, Breather
18	35374	Dipper, Oil	105	28423	Body, Breather
19	650908	Bolt, Connecting rod	106	28424	Element, Breather
19A	650882	Bolt, Connecting rod	107	28425	Cover, Breather
20	34034	Lifter, Valve	108	35350	Tube, Breather
21	35375	Camshaft (Mechanical Compression Release)	109	650128	Screw, Hex hd. Sems, 10-24 x 1/2
			110	30845A	Bolt, Governor spring adjusting
22	33273A	Extension, Blower housing	111	33450	Nut, Lock
23	650128	Screw, Hex hd. Sems, 10-24 x 1/2	112	30886A	Spring, Extension
24	*35262	Gasket, Cylinder cover	114	29752	Nut & Lockwasher, 1/4-28
25	35376	Cover Assy., Cylinder (Incl. Nos. 26, 27 & 37)	115	*33263	Gasket, Carburetor
			117	34707	Pipe, Intake
26	35377	Bushing, Cylinder cover	118	30088A	Screw, Fil. hd. Sems, 1/4-28 x 1
27	35319	Seal, Oil	119	650378	Screw, Torx Fil. hd. Sems, 5/16-18 x 1-1/8
33	30699C	Rod Assy., Governor (Incl. Nos. 34 & 35)	120	*27915A	Gasket, Intake pipe
34	30700	Yoke, Governor	130	33375C	Housing, Blower
35	65049A	Screw, Fil. hd. Sems, 6-40 x 5/16	140	33878	Link, Governor-to-throttle
36	29642	Ring, Retaining	143	650788	Screw, Hex hd. spinlock thread forming, 5/16-18 x 3/4
37	31845	Shaft, Governor			
38	30588A	Spool, Governor	144	29747B	Screw, Hex hd. Sems, 5/16-24 x 21/32
39	35479	Washer, Flat	145	33013	Cover, Starter hole
40	29193	Ring, Retaining	146	650760	Screw, Pan hd. taptite, 8-32 x 3/8
41	35378	Gear, Governor (Incl. No. 39)	147	650890	Washer, Lock
42	33369	Bracket, Governor gear	148	30747	Clip, Shorting
43	650836	Screw, Hex washer hd. thread forming, 10-24 x 1/2	155	33267	Bracket, Air cleaner
			156	28820	Screw, Fil. hd. Sems, 10-32 x 1/2
49	29916	Clamp, Governor lever	157	33266	Bracket, Air cleaner
50	29826	Screw, Hex washer hd., 10-32 x 3/4	158	*27272A	Gasket, Air cleaner
51	29216	Locknut, Hex "Keps", 10-32	159	33268	Element, Air cleaner
52	33454	Lever, Governor	160	33269A	Cover, Air cleaner
53	29918	Washer, E.T. Lock	161	650513	Nut, Wing
54	650548	Screw, Hex washer hd., 8-32 x 5/16	168	33272A	Cover, Cylinder head
55	30322	Locknut, Hex "Keps", 8-32	169	650802	Screw, Hex washer hd. taptite, 1/4-20 x 5/8
56	650832	Screw, Hex washer hd. Powerlok, 1/4-20 x 1-11/16			
57	650833	Screw, Hex washer hd. Powerlok, 1/4-20 x 1-3/16	170	34154	Plate, Fuel tank mounting
			171	650713	Screw, Hex hd., 5/16-18 x 5/8
58	35555	Dipstick, Oil	172	34155	Bracket, Fuel tank
59	35499	"O" Ring	173	650561	Screw, Hex washer hd. Durluk, 1/4-20 x 5/8
60	35554	Tube, Oil fill			
62	35540	Clip, Fill tube	174	650665	Screw, Hex washer hd. thread cutting, 1/4-15 x 7/8
66	27878A	Valve, Exhaust (Incl. No. 70) (Std.)			
66	27880A	Valve, Exhaust (Incl. No. 70) (1/32" oversize)			
67	34035	Valve, Intake (Incl. No. 70) (Std.)			

*Indicates Parts Included in Gasket Set, Ref. No. 215.

CRAFTSMAN 4-CYCLE ENGINE

MODEL NUMBER: 143.796202

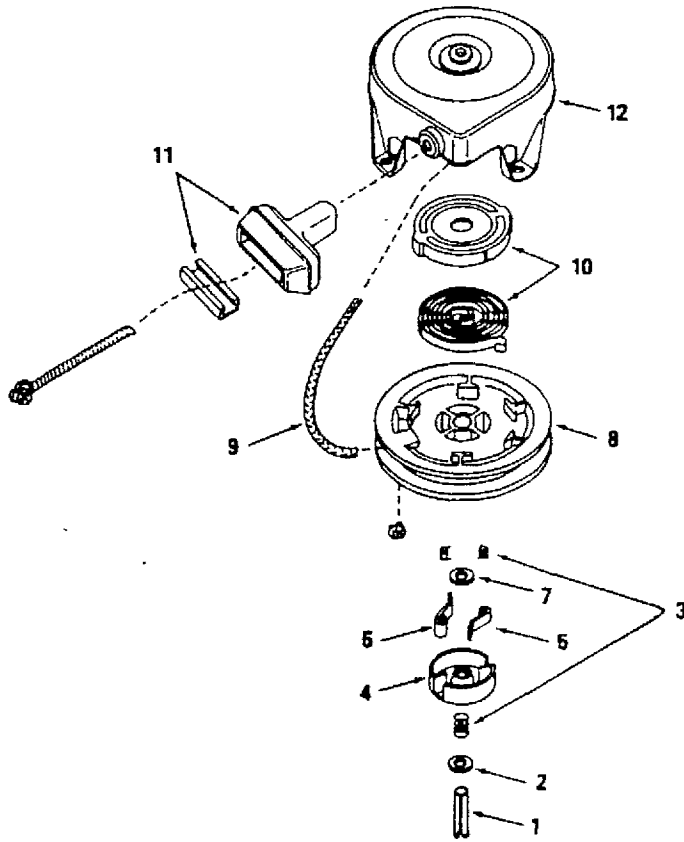
Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
175	34156A	Tank, Fuel (Incl. Nos. 176 & 178)	212	632351	Carburetor (Incl. No. 115)
176	35355	Cap, Fuel tank	213	590633	Starter, Rewind
177	30705	Line, Fuel	215	33279G	Gasket Set (Incl. items marked *)
178	26460	Clamp, Fuel line			RPM Setting: High Speed: 3750.
186	27930A	Gasket, Exhaust			*Indicates Parts Included in Gasket Set, Ref. No. 215.
194	35287	Hub, Starter			
195	35446	Screen, Starter			
196	29752	Nut & Lockwasher, 1/4-28			
199	35392	Plug, Starter			
210	34346	Decal, Instruction			

CARBURETOR NO. 632351

The diagram shows an exploded view of a carburetor assembly. The main body is shown in the center, with various components like the throttle shaft, choke shaft, float bowl, and adjustment screws shown in their relative positions. A dashed line indicates the assembly path. A repair kit box labeled 'REPAIR KIT' is shown at the bottom left. The parts are numbered 1 through 31, corresponding to the parts list on the right.

Ref. No.	Part No.	Part Name
	632351	Carburetor
1	631776	Shaft & Lever Assy., Throttle
2	631970	Spring, Throttle return
3	631778	Shutter, Throttle
4	650506	Screw, Throttle & Choke shutter
5	630766	Spring, Idle regulating screw
5A	630738	Spring, Main adjustment screw
6	650417	Screw, Idle regulating
7	631812	Shaft & Lever Assy., Choke
8	630735	Spring, Choke positioning
9	631753	Shutter, Choke
10	*630748	Plug, Welch
11	*631027	Plug, Welch
12	*631021	Inlet Needle, Seat & Clip Assy. (Incl. No. 13)
13	631022	Clip, Inlet needle
14	632019	Float, Carburetor
15	*631024	Shaft, Float
16	631867	Bowl, Float
17	631184	Washer, Flat
18	631183	Washer, Felt
21	27110	Gasket, Bowl-to-body
22	*632239	Adjustment Screw Assy., Main (Incl. Nos. 5A, 21, 23 & 30)
23	*630740	"O" Ring, Adjustment screw
24	*632281	Screw, Idle adjustment
25	*631028	Gasket, Bowl-to-body
26	632164	Fitting, Fuel
28	632043	Spring, Choke return
29	631971	Seal, Dust
30	630739	Washer, Flat
31	632347	Repair Kit (Incl. items marked *)

REWIND STARTER NO. 590633



Ref. No.	Part No.	Part Name
	590633	Starter, Rewind
1	590699A	Pin, Spring (Incl. No. 7)
2	590600	Washer
3	590651	Spring Assy., Brake & Dog
4	590627	Retainer
5	590641	Dog, Starter
7	590601	Washer
8	590632	Pulley
9	590451A	Rope, Starter
10	590629	Spring & Keeper Assy.
11	590387	Handle Assy., Starter
12	590634	Housing Assy., Starter

SEARS

OWNER'S MANUAL

**MODEL NO.
580.327060**

HOW TO ORDER REPAIR PARTS

CRAFTSMAN[®]

120 VOLTS / 4000 WATT A-C PORTABLE A-C GENERATOR

Each Generator has its own model number. Each engine has its own model number.

The model number for your generator will be found on a decal attached to the control panel shroud.

The model number for the engine will be found on the Blower Housing of the engine adjacent to the spark plug.

All parts listed herein may be ordered through Sears, Roebuck and Co. Service Centers and most Retail Stores.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- **PRODUCT -- PORTABLE A-C GENERATOR**
- **MODEL NUMBER -- 580.327060**
- **ENGINE MODEL NO. -- 143.796202**
- **PART NUMBER**
- **PART DESCRIPTION**

Your Sears merchandise has added value when you consider that Sears has service units nationwide staffed with Sears trained technicians....professional technicians specifically trained on Sears products, having the parts, tools and the equipment to ensure that we meet our pledge to you, we service what we sell.