

SEARS OWNER'S MANUAL

MODEL NO.
580.328391

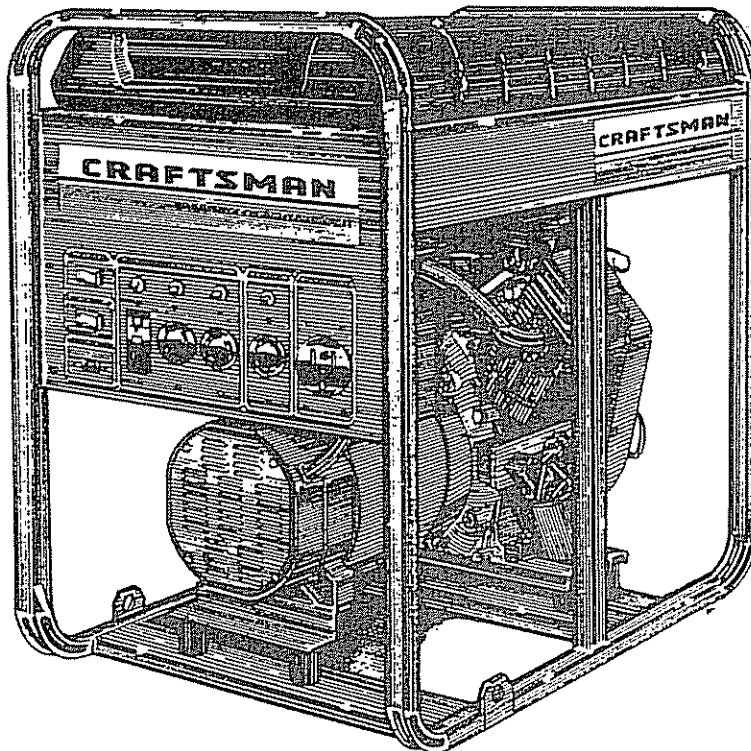
PORTABLE GENERATOR
CUSTOMER
HELPLINE
1-800-222-3136

HOURS:

Mon. - Fri. 8 a.m. to 5 p.m.
(CST)

CAUTION:

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



CRAFTSMAN[®] 120-240 VOLT / 8000 WATT DELUXE PORTABLE GENERATOR

- Assembly
- Operation
- Customer Responsibilities
- Service and Adjustment
- Repair Parts

SEARS, ROEBUCK and CO., Hoffman Estates, IL 60179 U.S.A.

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.
- The spark arrestor muffler can become extremely hot. **DO NOT** operate this equipment in areas where combustible material such as grass, leaves or paper products can come in contact with the muffler.
- 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. Most devices require cord sets rated 125 AC volts at 20 to 30 amperes or 250 AC volts at 20 amps (or greater). Some devices may require a higher or lower rating. Refer to the Owner's manual of the electrical device for the manufacturer's recommendations. Cord sets that are too small in diameter or too long will overheat, become damaged and may cause property damage and/or electrical shock.
- 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.
- **WARNING:** Engine exhaust from this product contains chemicals known, in certain quantities, to cause cancer, birth defects, or other reproductive harm.
- 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 or call the 1-800 number listed on the front of this manual. 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."

MODEL NUMBER 580.328391

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.

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.

PRODUCT SPECIFICATIONS

Generator Specifications

| | |
|----------------------------|--|
| RATED MAXIMUM POWER | 8000 Watts (8.0 kW) |
| RATED VOLTAGE | 120/240 Volts a-c |
| RATED MAXIMUM LOAD CURRENT | 66.7/33.3 a-c amperes |
| RATED FREQUENCY | 60 Hz at 3600 rpm |
| PHASE | Single Phase |
| TYPE OF BATTERY | Series Y50-N18L-A3 |
| BATTERY CHARGE | Amps: 10 DC amps Volts: 12 volts DC |

Engine Specifications

| | |
|--|---|
| ENGINE MODEL | GN-Series |
| DISPLACEMENT | 480cc |
| SPARK PLUG: Type: | Champion RC12YC or or equivalent |
| Set Gap to: | 0.030 inch (0.76mm) |
| MAXIMUM FULL TANK OPERATING TIME (hrs) | full load 1/2 5 7 |
| GASOLINE CAPACITY | 5 U.S. gallons |
| OIL | SAE 30 Oil (SAE 10W-30) |
| OIL CAPACITY | 56 oz. with oil filter 46 oz. without filter |

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 may have similar laws. Federal laws apply on federal lands.

TABLE OF CONTENTS

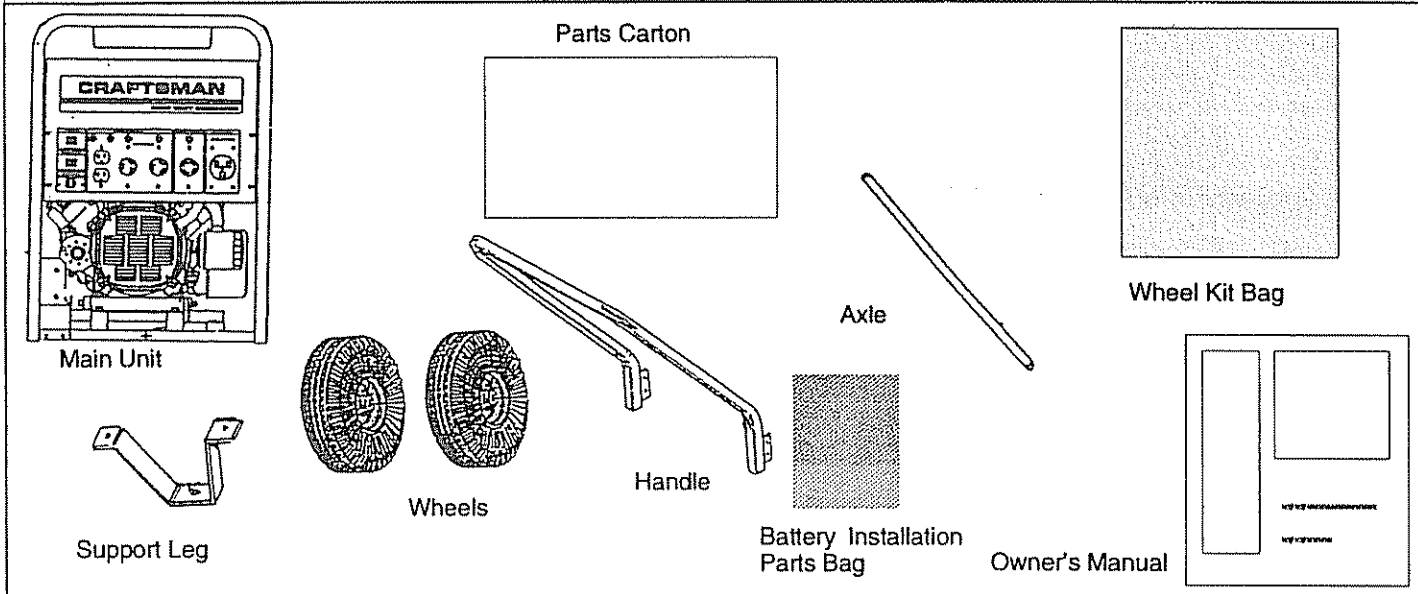
| | | | |
|------------------------------|--------------|-------------------------------|------------|
| SAFETY RULES | INSIDE COVER | SERVICE AND ADJUSTMENTS | 13 |
| MAINTENANCE AGREEMENT | 1 | SERVICE RECOMMENDATIONS | 14 |
| PRODUCT SPECIFICATIONS | 1 | STORAGE | 14 |
| CONTENTS OF HARDWARE | 3 | TROUBLESHOOTING POINTS | 15 |
| ASSEMBLY | 4-5 | WIRING DIAGRAM | 16 |
| OPERATION | 6-10 | REPAIR PARTS | 17-25 |
| MAINTENANCE | 11-12 | WARRANTY | 27 |
| | | PARTS ORDERING | BACK COVER |

Index

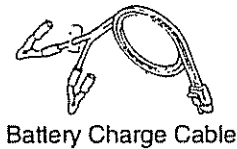
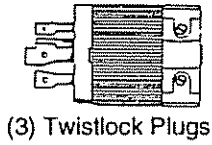
| | | |
|-----------------------------|-------------------------------|----------------------------------|
| - A - | - H - | - R - |
| Air Cleaner | Head bolts | Receptacles |
| Assembly | | Retorque head bolts |
| | | |
| - B - | - I - | - S - |
| Before Starting | Idle Control | Safety Rules |
| Battery Charging | | Service and Adjustments |
| Battery Safety | | Service Recommendations |
| | | Specifications |
| - C - | - L - | Starting Engine |
| Carburetor | Low Oil Shutdown | Stopping Engine |
| Circuit Breakers | Lubrication | Storage |
| Cord Sets | | |
| Customer Responsibilities | | |
| Agreement | - M - | - T - |
| | Maintenance | Troubleshooting |
| | Agreement | |
| | Cleaning generator | - V - |
| | Engine maintenance | Valve clearance, adjusting |
| | General Recommendations | |
| | Generator Maintenance | - W - |
| - E - | - O - | Warranty |
| Engine | Oil Level | Wattage Reference Guide |
| Carburetor adjustment | Operation | Wiring Diagram |
| Oil level | Overloading | |
| Speed | | |
| Electrical Loads | - P - | |
| | Parts, repair | |
| - G - | | |
| Gasoline | | |
| Grounding Lug | | |

CONTENTS OF HARDWARE PACK

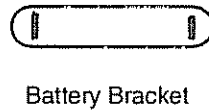
Parts packed separately in carton



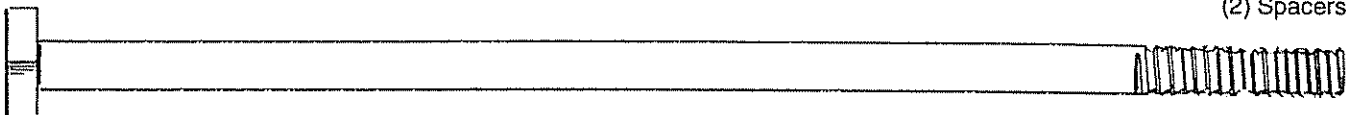
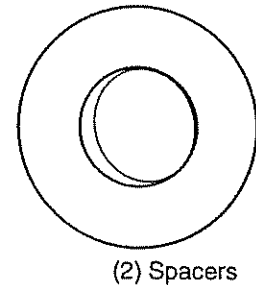
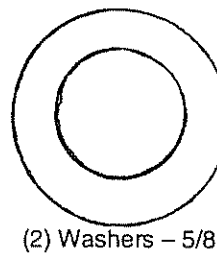
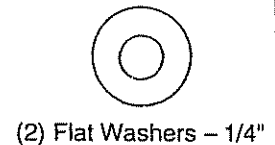
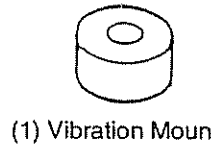
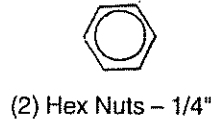
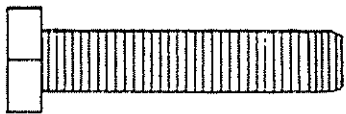
Parts Packed in Parts Carton Not Shown Full Size



Part Packed in Parts Bag Not Shown Full Size



Parts Packed in Parts Bags Shown Full Size



ASSEMBLY

Read these instructions and Operator's Manual in its entirety before you attempt to assemble or operate your new AC generator. Your AC generator has, for the most part, been assembled at the factory, except those parts left unassembled. Before you can operate your new AC generator, you must assemble the wheel kit and install a battery, which you must purchase. 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.

IF YOU HAVE ANY PROBLEMS WITH THE ASSEMBLY OF YOUR GENERATOR, PLEASE CALL THE GENERATOR HELPLINE AT 1-800-222-3136.

TO REMOVE GENERATOR FROM CARTON

- Cut down corners at one end of shipping carton and lay that side of carton down flat.
- Remove packing material, carton fillers, etc.
- Remove accessories box, carton and parts bags.
- Remove generator from shipping carton.

Refer to Page 3 "Contents of Hardware Pack" for an illustrated listing of all the items included with your generator. Become familiar with each piece before assembling the generator. Check all contents against the illustrations on Page 3. If any parts are missing or damaged, call the Generator Helpline at 1-800-222-3136.

TOOLS NEEDED FOR ASSEMBLY

- Two adjustable wrenches OR the following wrenches:
- Two 1/4" combination wrenches
- Two 1/2-inch (13mm) combination wrenches

INSTALLING WHEEL KIT

The Sears Wheel kit was designed to greatly improve the portability of the 8000 watt Sears Craftsman Deluxe Generator. Install the Wheel Kit as follows:

- Place the generator on a flat hard surface.
- Slide axle (Item 3) through holes in the brackets provided on the generator cradle (Fig. 1) and then add the two spacers (Item 5) on each protruding end of the axle.
- Stand at engine end of generator and gently tilt generator forward high enough to prop up front of the cradle. This will allow you to add the wheels.
- Slide on the wheels (Item 2) on each end of the axle and retain each with 5/8" washer (Item 10) and retaining pin (Item 4). Lower the generator.
- Attach the vibration mount (Item 7) to the support leg (Item 6) with M8 x 30mm capscrew (Item 8), M8 washer (Item 12) and M8 lock nut (Item 9) using the combination wrench.
- With the wheels on, you can now tilt the generator end forward and attach the support leg with two M8 x 20mm capscrews (Item 11) and two lock nuts.
- Set the generator down so it is level and, using the combination wrench, attach the handle with four M8 x 45mm capscrews and four lock nuts.

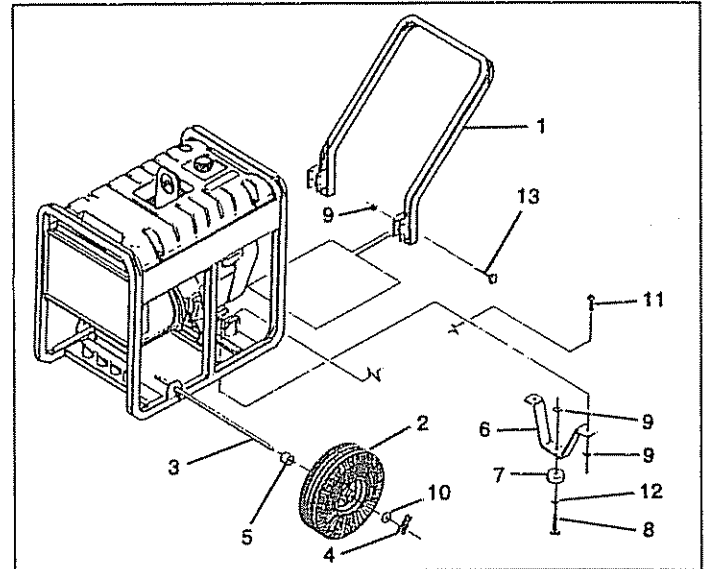


FIG. 1

INSTALLING THE BATTERY

You must purchase and install a 12 volts DC battery (6-cell, Type Y50-NL18-A3). The battery should be properly serviced with electrolyte fluid and fully charged prior to installation.

Install the battery as follows (Fig. 2):

- Retain battery to tray with bracket, (2) 1/4-20 x 7" bolts, (2) 1/4" flat washers, (2) 1/4" lock washers and (2) 1/4" lock nuts.

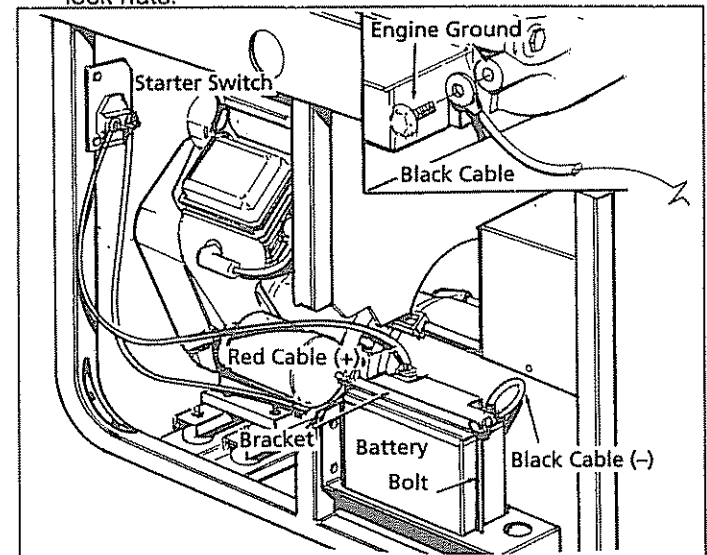


FIG. 2

- Connect red battery cable from starter switch to battery post or terminal indicated with POSITIVE, POS or (+). Tighten securely.
- Connect black battery cable from engine mount bolt to battery post or terminal indicated with NEGATIVE, NEG or (-). Tighten securely.

ASSEMBLY

CORD SETS AND CONNECTOR PLUGS

120 VOLTS DUPLEX RECEPTACLE

Use only high quality, well-insulated, extension cords with the 120-volt "duplex" type electrical receptacles. All cord sets used should be rated 125 volts at 20 AC 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 wires from overheating.

120 VOLTS, 20 AND 30 AMP RECEPTACLES:

- For the 120 volts, 20 amp locking type NEMA L5-20R receptacle, a well-insulated cord set with a NEMA L5-20P locking type connector plug must be properly connected to the receptacle and to the desired 120 volts, single phase, 60 Hz, AC load. Cord sets should be rated 20 AC amperes at 125 volts (or greater) for most electrical devices (Fig. 3).

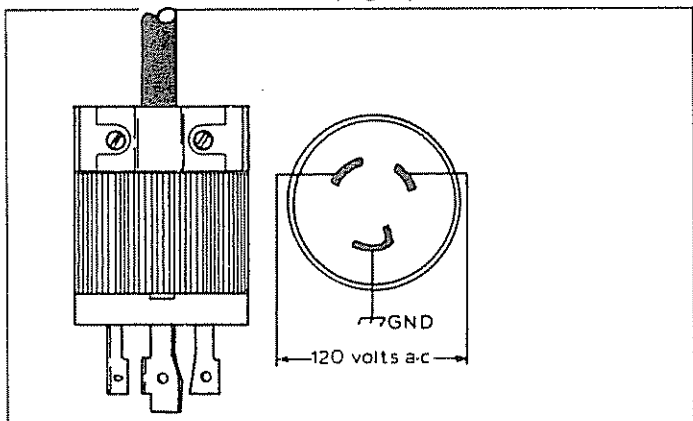


FIG. 3

- For 120 volts, 30 amp locking type NEMA L5-30R receptacle, a well-insulated cord set with a NEMA L5-30P locking type connector plug must be properly connected to the receptacle and the desired 120 volts, single phase, 60 Hz, AC load. The cord set should be rated 30 AC amperes at 125 volts (or greater) for most electrical devices (Fig. 3).

120/240 VOLTS, 30 AMP RECEPTACLE:

A 120/240 volts, 30 amp, locking type mating connector plug (Fig. 4) is required when using this receptacle. A 4-wire cord set, rated 30 AC amperes at 250 volts (or greater), is required and must be connected to the plug and to the desired loads. Order NEMA type L14-30P.

240 VOLTS, 50 AMP RECEPTACLE (Fig. 5)

This receptacle is rated 50 AC amperes at 250 volts. You need a 3-prong grounded connector plug with same rating to use with this outlet. Although current capacity of outlet is rated at 50 amps, loads applied through this outlet should not exceed 33.3 amps or you will overload the generator.

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

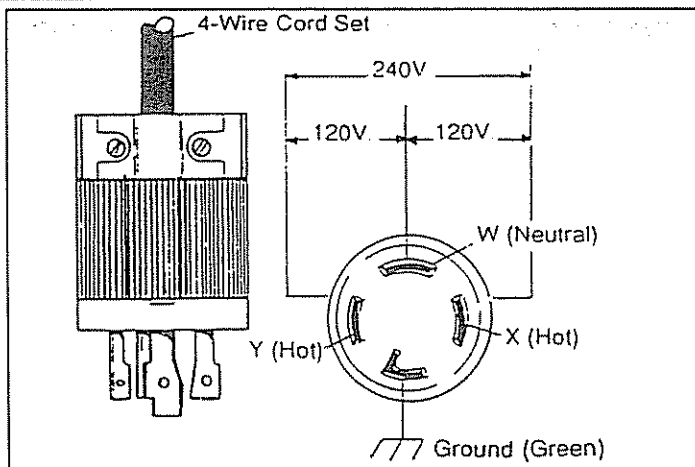


FIG. 4

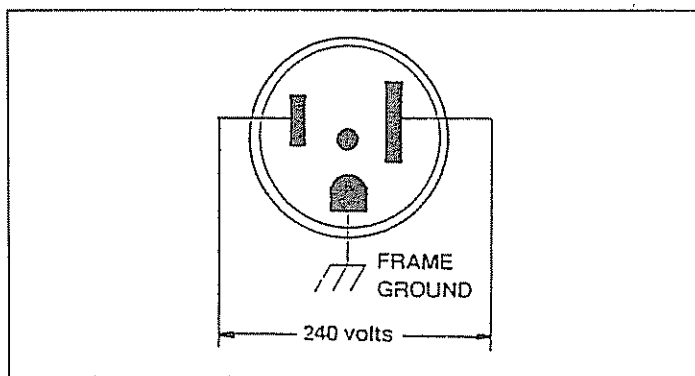


FIG. 5

unit. For that purpose, a **GROUNDING WING SCREW** is provided on the base of the cradle (Fig. 6).

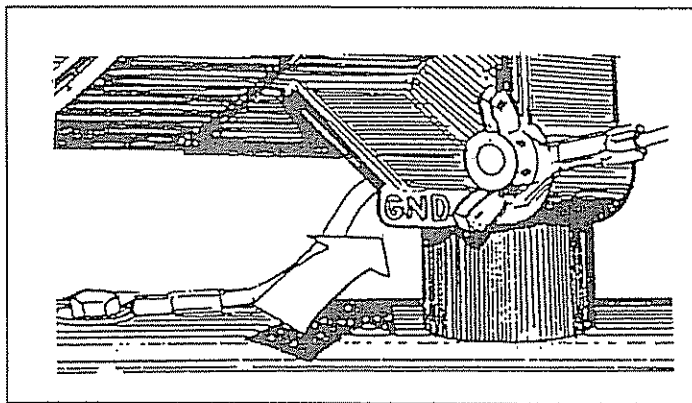


FIG. 6

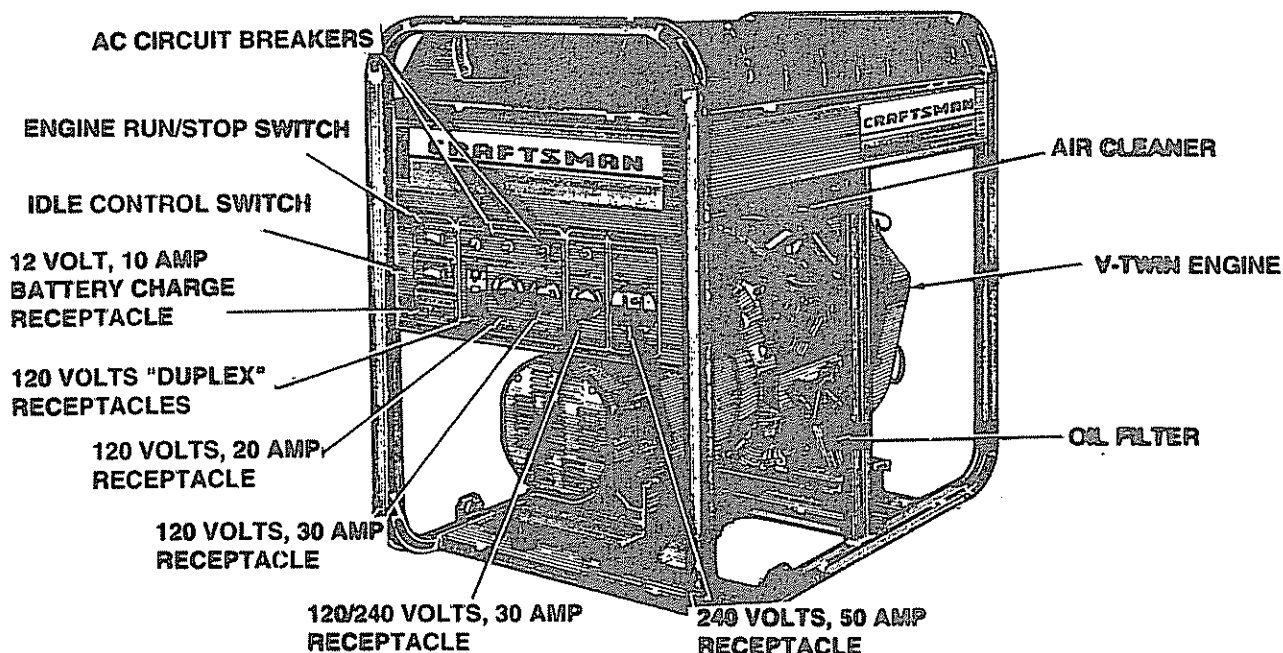
Generally, connecting a No. 12 AWG (American Wire Gauge) stranded copper wire to the grounding screw and to an earth-driven copper or brass grounding rod (electrode) provides adequate protection against electrical shock. However, local codes may vary widely. Consult with a local electrician for grounding 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.

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.



ENGINE RUN/STOP SWITCH — Must be set to RUN to start the engine. Set switch to STOP to stop the engine.

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

120 VOLTS, 30 AMP RECEPTACLE — May be used to supply electrical power for the operation of 120 volts at 30 amps AC, single phase, 60 Hz, AC electrical lighting, appliance, tool and motor loads. Locking type connectors are required when using this receptacle.

120 VOLTS, 20 AMP RECEPTACLE — May be used to supply electrical power for the operation of 120 volts at 20 amps AC, single phase, 60 Hz, AC electrical lighting, appliance, tool and motor loads. Locking type connectors are required when using this receptacle.

12-VOLT D.C. RECEPTACLE — Recharge a discharged 12 volts automotive type battery through this outlet.

120/240 VOLTS, 30 AMP RECEPTACLE — May be used to supply electrical power for the operation of up to 240 volts at 30 amps AC, single phase, 60 Hz, AC electrical lighting, appliance, tool and motor loads. Locking type connectors are required when using this receptacle.

AC CIRCUIT BREAKERS — Protects the generator against electrical overload. Breakers are "push to reset" type for 15-amp, 20-amp and 30-amp loads.

SPARK ARRESTER MUFFLER — Exhaust muffler has a spark arrester screen.

240 VOLTS, 50 AMP RECEPTACLE — May be used to supply electrical power for the operation of up to 240 volts at 50 amps AC, single phase, 60 Hz, AC electrical lighting, appliance, tool and motor loads. Range connectors are required when using this receptacle.

FUEL LEVEL GAUGE - Indicates level of fuel in fuel tank.

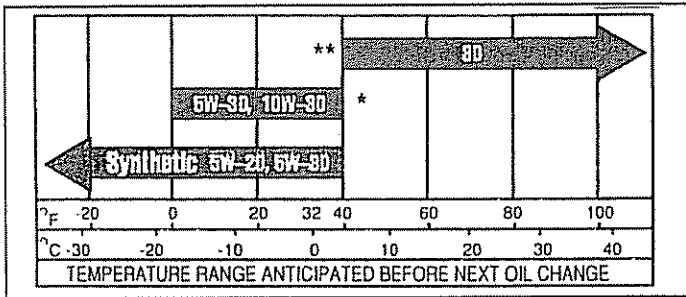
OPERATION

BEFORE STARTING ENGINE

Add Oil:

- Place generator on a level surface and remove dipstick from extended oil fill tube. Use SAE 30 detergent oil classified "For Service SC, SD, SE, SF, SG." SAE 10W-30 oil may also be used. **POUR SLOWLY.** Oil capacity of engine is about three (3) U.S. pints. When oil is filled to dipstick FULL mark, install and tighten oil fill plug.

RECOMMENDED SAE VISCOSITY GRADES



** Use synthetic oil having 5W-20, 5W-30 or 5W-40 viscosity. If not available, a petroleum based oil may be used having 5W-20 or 5W-30 viscosity.

NOTE: 10W-40 oil may be used if 10W-30 is not available.

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.**

IMPORTANT: 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.

- Open the fuel shutoff valve (Fig. 7).
- Apply the choke (Fig. 8). Pull 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.
- Set the Run/Stop Switch (Fig. 9) to RUN position.

- Crank engine:
Electric Starting: Press start switch on generator cradle until engine cranks. Keep pressing until it starts (Fig. 10).

Manual Starting: Grasp the starter grip 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 the open position gradually as engine warms up.
- Let the engine stabilize and warm up for a few minutes. Check that the A.C. ON lamp on the generator panel is ON before connecting any electrical loads.

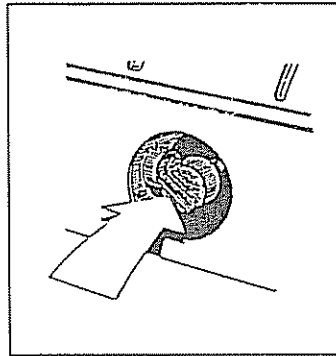


FIG. 7

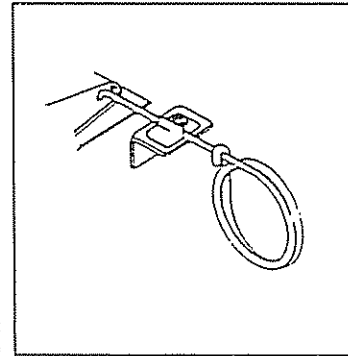


FIG. 8

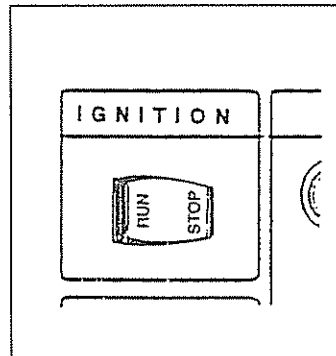


FIG. 9

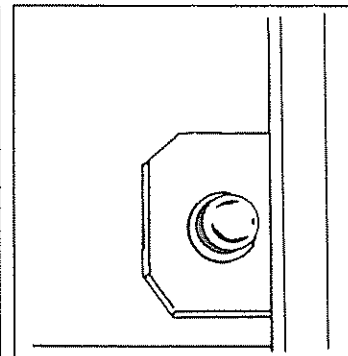


FIG. 10

CONNECTING ELECTRICAL LOADS

- Use this generator to operate 120/240 volts, single phase, 60 Hz, AC lighting, appliance, tool and motor loads.
- DO NOT connect 240 volts to the 120 volts duplex or 120 volts, 20 and 30-amp 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 9.

OPERATION

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 engine run at no-load for several minutes to stabilize the internal temperatures of engine and generator.
- Set the Run/Stop Switch to STOP position. Wait for engine to come to a complete stop (Fig. 9).
- Close the Fuel Shutoff Valve (Fig. 7).

OPERATING AUTOMATIC IDLE CONTROL

An Automatic Idle Control system provides greatly improved fuel economy and noise reduction 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) Idle Control Circuit Board, (b) Sensing Transformer, (c) Stepper motor, and (d) Idle Control Switch located on the control panel (Figure 11).

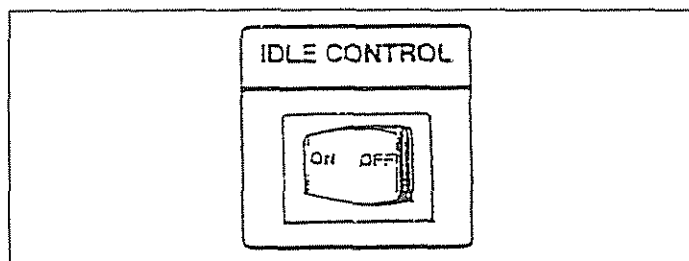


FIG. 11

- At start-up, the unit runs at either high or low governed speed for several seconds (the speed it runs depends on what the governed speed was when the unit was last shut down). After several seconds, the unit automatically goes to an engine speed selected by the position of the Idle Control Switch.
- With the Idle Control Switch OFF, unit runs at high governed speed (about 3600 RPM) whether loads are connected or not.
- With the Idle Control Switch ON, the unit immediately goes to high governed speed when loads are applied. When applying large loads, it is advisable to either "bump" the load on for a short instant to allow the engine speed to rise before applying the full load, or to turn the Idle Control Switch OFF. When loads are removed for more than several seconds, the unit automatically goes to reduced (idle) speed.
- The Idle Control Switch can be turned ON or OFF while the unit is running, with loads connected or disconnected. When starting the unit, do not connect loads for about 10 seconds to allow the engine speed to stabilize.

BATTERY SAFETY



EXPLOSIVE HYDROGEN GAS

CAUTION: Storage batteries give off **EXPLOSIVE** hydrogen gas while charging. An explosive mixture will remain around the battery for a long time after it has been charged. The slightest spark can ignite the gas and cause an explosion. Such an explosion can shatter the battery and cause blindness or other serious injury.



CAUTION: DO NOT permit smoking, open flame, sparks or any source of heat around a battery. **DO NOT** use any lighter or other flame to provide lighting for checking battery fluid levels. Wear protective goggles, rubber apron and rubber gloves when working around a battery.



CAUSTIC SULFURIC ACID

CAUTION: Battery electrolyte fluid is an extremely caustic sulfuric acid solution that can cause severe burns. **DO NOT** permit fluid contact with eyes, skin clothing, etc. If spillage occurs, flush with clear water immediately.

CHARGING A BATTERY

Your generator has the capability of recharging a discharged, 12-volt automotive or utility style storage battery. Do not use the unit to charge any 6-volt batteries. Do not use the unit to crank an engine having a discharged battery. To recharge 12-volt batteries, proceed as follows:

- Check fluid level in all battery cells. If necessary, add **ONLY** distilled water to cover separators in battery cells. **DO NOT USE TAP WATER.**
- If the battery is equipped with vent caps, make sure they are installed and are tight.
- If necessary, clean battery posts or terminals.
- Connect battery charge cable connector plug to panel receptacle (Fig. 12), identified by the words "12-VOLT D.C."

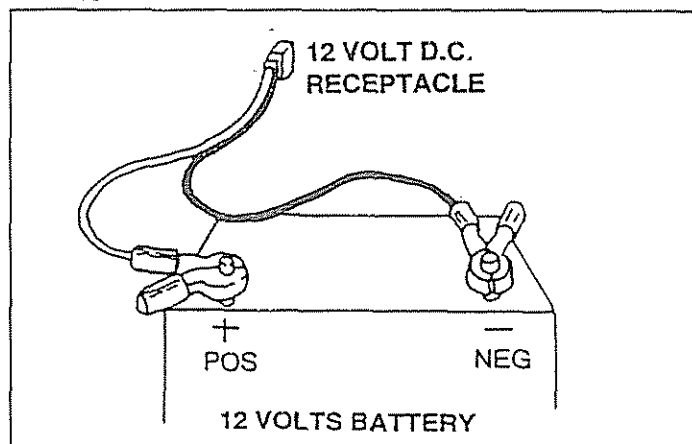


FIG. 12

- Connect battery charge cable clamp with red handle to battery post or terminal indicated by a **POSITIVE, POS** or **(+)**.
- Connect battery charge cable clamp with black handle to battery post or terminal indicated by a **NEGATIVE, NEG,** or **(-)**.
- Start engine (see "Starting the Engine" on Page 5). Let the engine run while battery recharges.
- When battery has charged, shut down engine (see "Stopping the Engine" on this page).

NOTE: Use an automotive hydrometer to test battery state of charge and condition. Follow the hydrometer manufacturer's instructions carefully. Generally, a battery is considered to be at 100% state of charge when specific gravity of its fluid (as measured by hydrometer) is 1.260.

OPERATION

ENGINE PROTECTIVE DEVICES

LOW OIL PRESSURE SHUTDOWN

A Low Oil Pressure Shutdown switch (Fig. 13) on the engine monitors low oil pressure. The switch is normally closed (N.C.), and is held open by engine oil pressure during startup and operation. Should engine oil pressure drop below a safe value during operation, an automatic shutdown occurs. This feature protects engine against damaging low oil pressure conditions and engine failure.

If the engine shuts down unexpectedly, check engine oil level before attempting a restart.

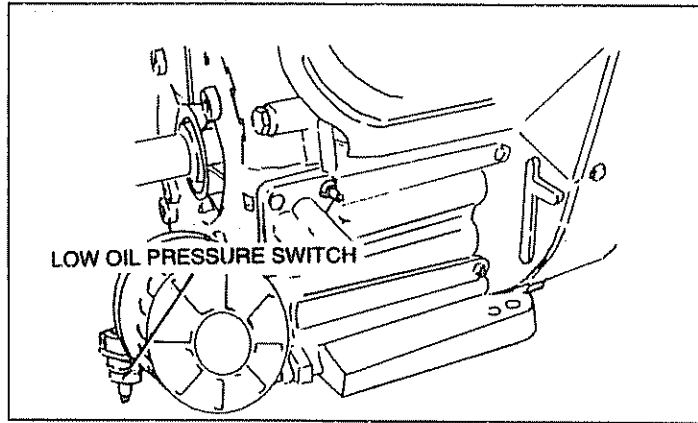


FIG. 13



CAUTION! DO NOT ATTEMPT TO OPERATE AN ENGINE WITH LOW OIL PRESSURE BY UNPLUGGING LEAD FROM LOW OIL PRESSURE SWITCH OR BY BYPASSING THE SWITCH IN ANY MANNER. OPERATING WITH LOW OIL PRESSURE COULD DAMAGE ENGINE OR CAUSE FAILURE.

RECEPTACLE CIRCUIT BREAKERS

See DON'T OVERLOAD THE GENERATOR.

DON'T OVERLOAD THE GENERATOR

This generator is equipped with three 20-amp and one 30-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 | *Paint Sprayer, Airless (1/3 HP) | 600 |
| *Compressor (3/4 HP) | 1800 | Paint Sprayer, Airless (handheld) | 150 |
| Curling Iron | 700 | Radio | 50 to 200 |
| *Deep Freeze | 500 | *Refrigerator | 600 |
| Disc Sander (9") | 200 | Slow Cooker | 200 |
| Electric Nail Gun | 1200 | *Submersible Pump (1 HP) | 2000 |
| Electric Range (one element) | 1500 | Sump Pump | 600 |
| Electric Skillet | 1250 | *Table Saw (10") | 1750 to 2000 |
| *Furnace Fan (1/3 HP) | 1200 | Television | 200 to 500 |
| Hair Dryer | 1200 | Weed Trimmer | 500 |
| Hand Drill (1") | 1100 | | |
| Hedge Trimmer | 450 | | |

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

CUSTOMER RESPONSIBILITIES

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 9.



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

See OPERATION section on Page 7 for information on checking oil level. Oil level should be checked prior to each use or at least every eight hours of operation. Keep oil level maintained.

CHANGING OIL

Change oil after first 8 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 more often.

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



CAUTION: Disconnect spark plug wire from spark plug and keep it away from spark plug.

- Clean area around oil drain plug, remove plug (Fig. 14) and drain oil completely into a suitable container.

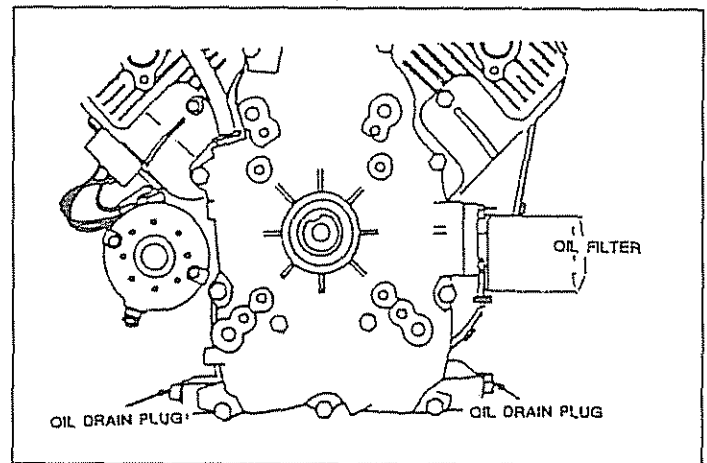


FIG. 14

- When all oil has drained, install and tighten oil drain plug.
- Remove oil dipstick and insert a clean fill funnel into extended oil fill opening. Fill engine crankcase to dipstick FULL mark. Do not overfill above that mark. About 3 pints is required. POUR SLOWLY.
- When engine crankcase is filled to proper level, install and tighten oil fill plug.

REPLACE SPARK PLUGS

Remove and replace spark plugs every 100 operating hours or once annually, whichever comes first. See ENGINE SPECIFICATIONS on Page 1 for recommended spark plugs. Set gap (Fig. 15) on spark plug to 0.030 inch (0.76mm).



CAUTION! DO NOT blast clean spark plugs. Clean with pen knife or wire brush and solvent.

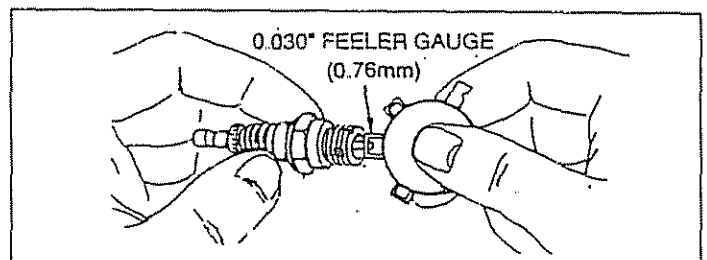


FIG. 15

CUSTOMER RESPONSIBILITIES

CHANGE OIL FILTER

Change engine oil filter every 100 hours of operation (every second oil change). Before installing new filter, lightly lubricate filter gasket with fresh, clean engine oil. Screw new filter on by hand until gasket contacts the filter adapter (Fig. 16). Then tighten about 3/4 turn further. Start and run engine for about 30 seconds, then shut down. Recheck oil level and add oil as necessary. Finally, start engine and check for leaks.

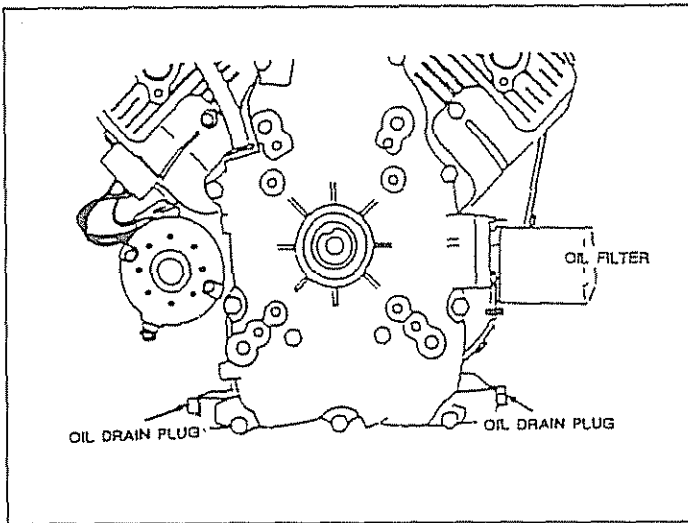


FIG. 16

SERVICE ENGINE AIR CLEANER

Your engine will not run properly and may be damaged if you run it using a dirty air cleaner. Clean or replace foam pre-cleaner every 25 hours of operation. Service cartridge every 100 operating hours or once annually, whichever comes first. Clean or replace more often if operating under dusty or dirty conditions. To service the foam pre-cleaner (Fig. 17), proceed as follows:

- The cover is attached to the air cleaner housing by two latches. Lift up on the latches to unlock them, then remove the cover.
- Carefully remove foam pre-cleaner from around the cartridge.
- Replace pre-cleaner or wash in liquid detergent and water.

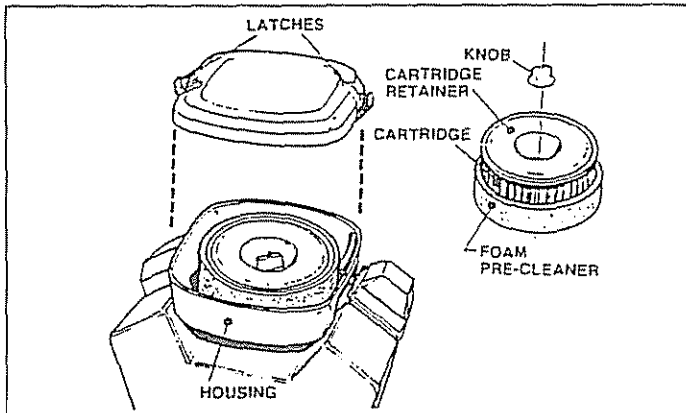


FIG. 17

- Squeeze (don't twist) pre-cleaner in a clean, dry cloth.
- Saturate pre-cleaner in engine oil. Squeeze in a clean absorbent cloth to remove excess oil.

NOTE: If you are going to clean the PAPER CARTRIDGE, do not install the foam pre-cleaner and proceed to instructions for servicing the paper cartridge.

- Carefully install the foam pre-cleaner around the cartridge.

To service the PAPER CARTRIDGE, proceed as follows:

- Clean cartridge by tapping gently on a flat surface. If cartridge is very dirty, replace or wash in a low or non-sudsing detergent and warm water solution. Rinse thoroughly with flowing water from mesh side until water runs clear. Let cartridge dry thoroughly before using.



CAUTION: DO NOT use petroleum solvents such as kerosene to clean the element. Such solvents will cause deterioration of the element. DO NOT oil the element. DO NOT use pressure air to clean or dry the element.

- Reinstall paper cartridge, retain with cartridge retainer and knob. Carefully install foam pre-cleaner.
- Install cover assembly onto air cleaner body.
- Tighten latch securely.

CLEAN SPARK ARRESTER MUFFLER

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



DANGER: LET 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 arrester. The spark arrester 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 arrester as follows (Fig. 18):

- Remove four screws that retain the screen to muffler.

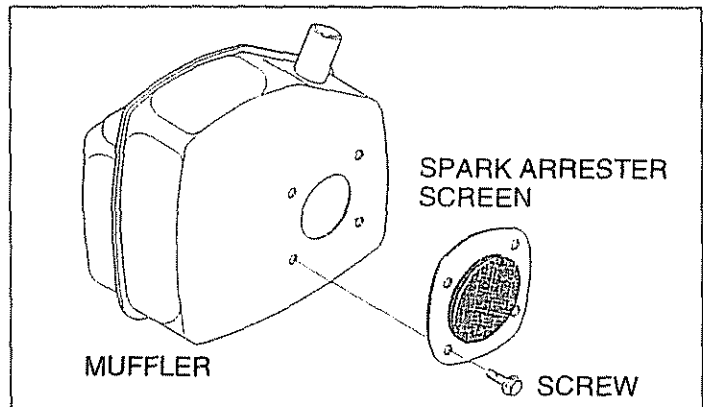


FIG. 18

CUSTOMER RESPONSIBILITIES

- Clean the screen with a commercial cleaning solvent.
- Inspect the screen and replace if torn, perforated or otherwise damaged. **DO NOT** use defective screen.
- Reattach screen with four screws.

CLEAN ENGINE COOLING SYSTEM

Continued operation with a clogged engine cooling system can cause severe overheating and possible engine damage. Fig. 19 shows the blower housing removed and areas to be cleaned. Clean these areas every 100 hours of operation or once annually, whichever comes first.

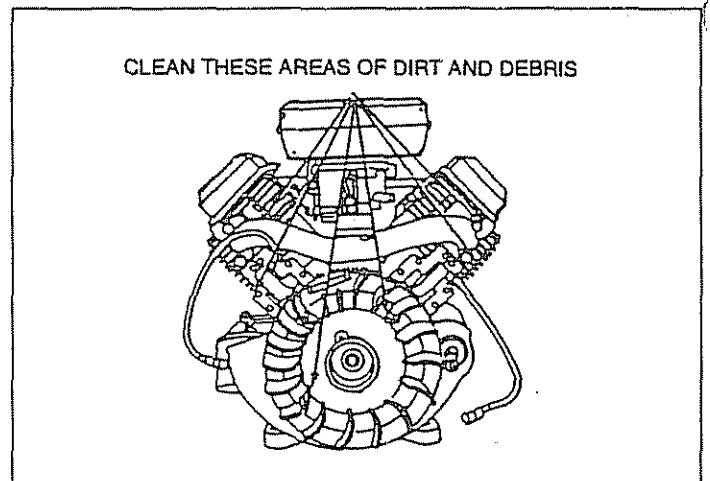


FIG. 19

SERVICE RECOMMENDATIONS

| MAINTENANCE TASK | HOURLY OPERATING INTERVAL | | | | |
|---|---|--------------------|--------------------|---------------------|--------|
| | EVERY 8 HOURS OR BEFORE USE | 25 HOURS OR YEARLY | 50 HOURS OR YEARLY | 100 HOURS OR YEARLY | YEARLY |
| 1. Check oil level. | X | | | | |
| 2. Change engine oil. | | | NOTE 1 NOTE 2 | | |
| 3. Change oil filter | | | | X | |
| 4. Service air cleaner. | | NOTE 2 NOTE 3 | | X | |
| 5. Clean cooling system | | | | NOTE 3 | |
| 6. Inspect/clean spark arrestor and muffler | | | X | X | |
| 7. Replace/clean spark plug. | | | X | | |
| 8. Replace in-line fuel filter | | | | | X |
| 9. Prepare for storage. | Prepare unit for storage if it is to remain idle longer than 30 days. | | | | |

NOTE 1: Change oil after first 8 hours, then after every 50 hours or yearly.

NOTE 2: Change sooner when operating under heavy load or high ambient temperature.

NOTE 3: Clean more often under dusty conditions or when airborne debris is present.

SERVICE AND ADJUSTMENTS

ENGINE SPEED



CAUTION: 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. **CHANGING ENGINE GOVERNED SPEED WILL VOID ENGINE WARRANTY.**

The speed of the generator is maintained by an electronically controlled 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 AC frequency and voltage only at the proper speed. Some connected electrical devices could be damaged by incorrect frequency and/or voltage.

CARBURETOR

The carburetor of your generator set is preset at the factory. **DO NOT TAMPER WITH THE CARBURETOR** as this will void the warranty for the emission control system. If your generator is to be used at an altitude above 5,000 feet, consult with a Sears Authorized Service Facility regarding high altitude jetting changes.

ENGINE PERFORMANCE PROBLEMS

If your engine is running below its normal performance level, you could check for the following problems:

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 Center to repair these problems.

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

If you find any of these problems, contact your nearest Sears Service Center.

Check Ignition: Remove spark plug wire from plug and hold metal terminal end of wire near engine metal part. Crank engine. If spark occurs, try a new spark plug. If no spark occurs, contact Sears Service Center.

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 this information as a guide to prepare it for storage.

STORAGE INSTRUCTIONS



WARNING! NEVER STORE ENGINE WITH FUEL IN THE TANK INDOORS OR ENCLOSED, POORLY VENTILATED AREAS, WHERE FUMES CAN REACH AN OPEN FLAME, SPARK, OR PILOT LIGHT AS ON A FURNACE, WATER HEATER, CLOTHES DRYER OR OTHER GAS FURNACE.

ENGINE:

- Run the engine for about five minutes to warm it.
- **NOTE:** If you did use "gasohol," drain fuel tank, then run engine until engine stops from lack of fuel.



WARNING! DRAIN FUEL INTO APPROVED CONTAINER OUTDOORS, AWAY FROM OPEN FLAME. BE SURE ENGINE IS COOL.

IMPORTANT: 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.

NOTE: Using a fuel additive such as Sears Craftsman[®] Fuel Stabilizer, or an equivalent, will prevent gum deposits from forming in the generator's fuel system.

- While engine is still warm, drain oil from crankcase. Refill with fresh oil. See SPECIFICATIONS for oil recommendations on Page 1.
- Remove spark plug and pour about 1/2 ounce (15ml) of engine oil into the cylinder. Replace spark plug but do not connect spark plug wire. Crank slowly to distribute oil.



CAUTION! Avoid spray from spark plug hole when cranking engine slowly.

- Install spark plug. Do not connect spark plug wire.
- Clean dirt, oil, and grease from cylinder, cylinder head, fins, blower housing, rotating screen and muffler area.
- Store generator in clean, dry area.

GENERATOR:

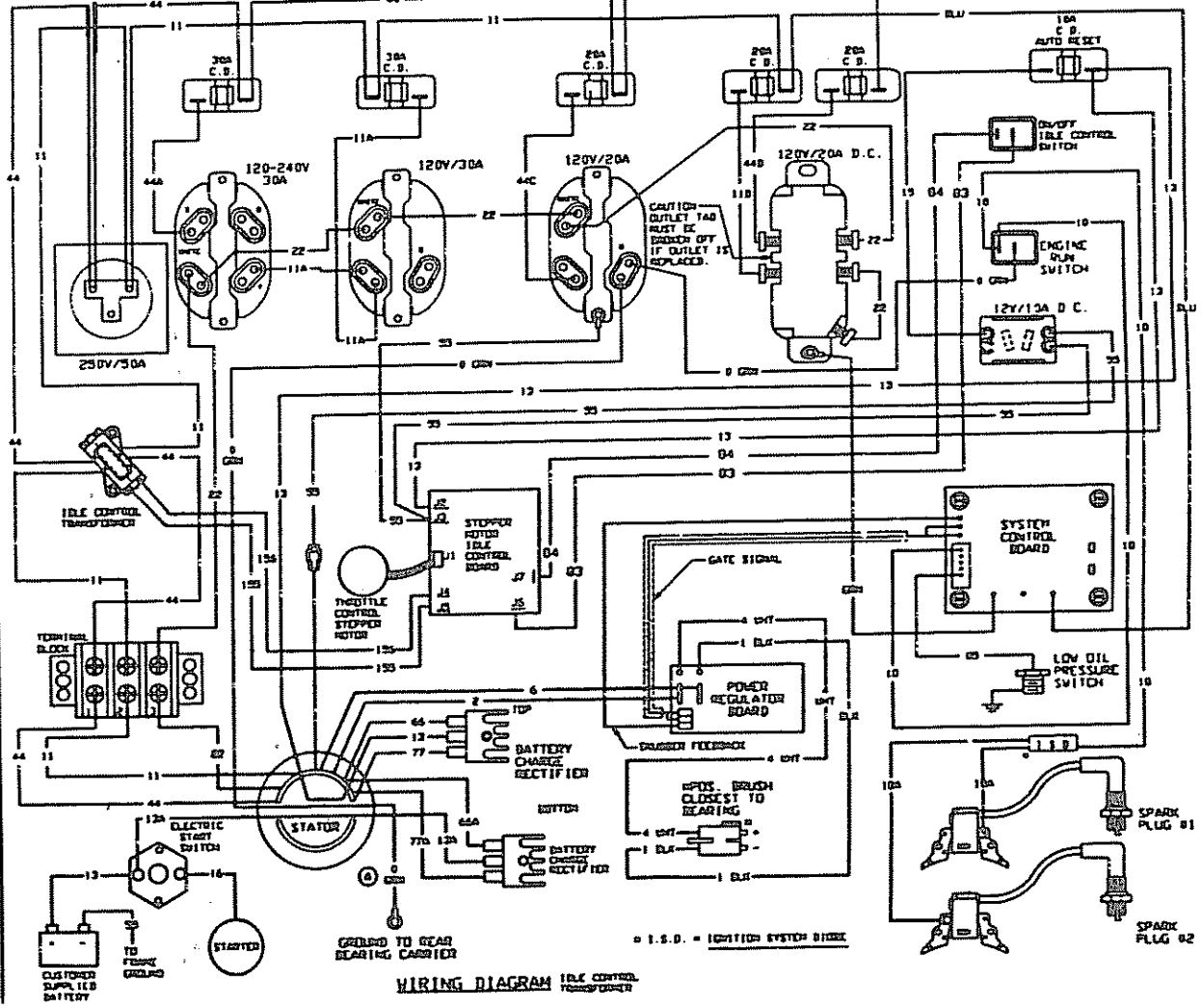
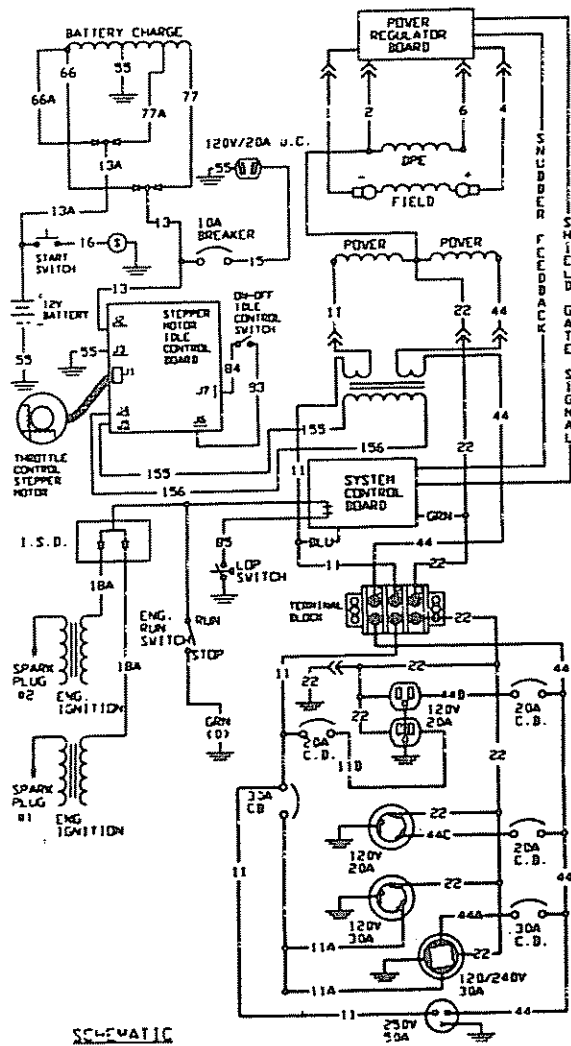
- Clean the generator as outlined on Page 9 ("To Clean the Generator").
- Check that cooling air slots and openings on generator are open and unobstructed.

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 moisture to form. This condensation can cause your generator to rust.

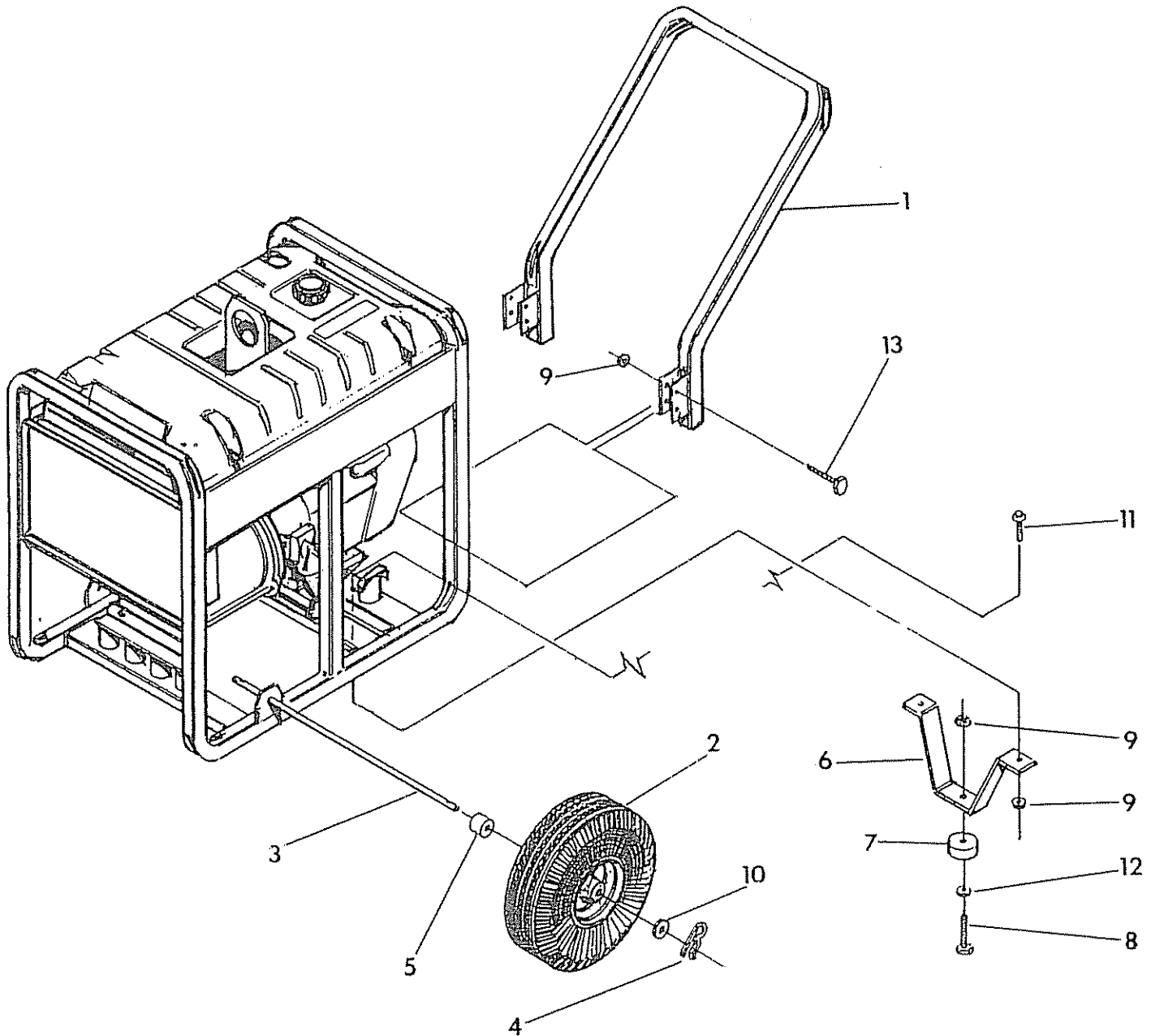
TROUBLESHOOTING POINTS

| PROBLEM | CAUSE | CORRECTION |
|--|--|---|
| Engine is running, but no AC output is available. | <ol style="list-style-type: none"> 1. One of the circuit breakers is 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 Department. 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 load 2. Engine speed is 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 Department. 3. See "Don't Overload the Generator on Page 6. 4. Contact Sears Service Department. |
| 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 has lost compression. 12. Intake valve stuck open or closed 13. Engine compression lost. 14. Failed battery. | <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 fuel. 5. Connect wire to spark plug 6. Replace spark plug. 7. Drain gas tank; fill with fresh fuel. 8. Open choke fully and crank engine. 9. Contact Sears Service Department. 10. Contact Sears Service Department. 11. Contact Sears Service Department. 12. Contact Sears Service Department. 13. Contact Sears Service Department. 14. Replace battery. |
| Engine shuts down during operation | <ol style="list-style-type: none"> 1. Out of gasoline. 2. Low oil level. | <ol style="list-style-type: none"> 1. Fill fuel tank. 2. Fill crankcase to proper level. |
| 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 6. 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. |
| No battery charge DC output (battery will not charge) | <ol style="list-style-type: none"> 1. Battery posts corroded 2. Battery fluid level low. 3. Battery cables are bad 4. Battery is defective | <ol style="list-style-type: none"> 1. Clean battery posts. 2. Add distilled water to battery 3. Repair or replace cable(s). 4. Check battery condition, replace if defective. |

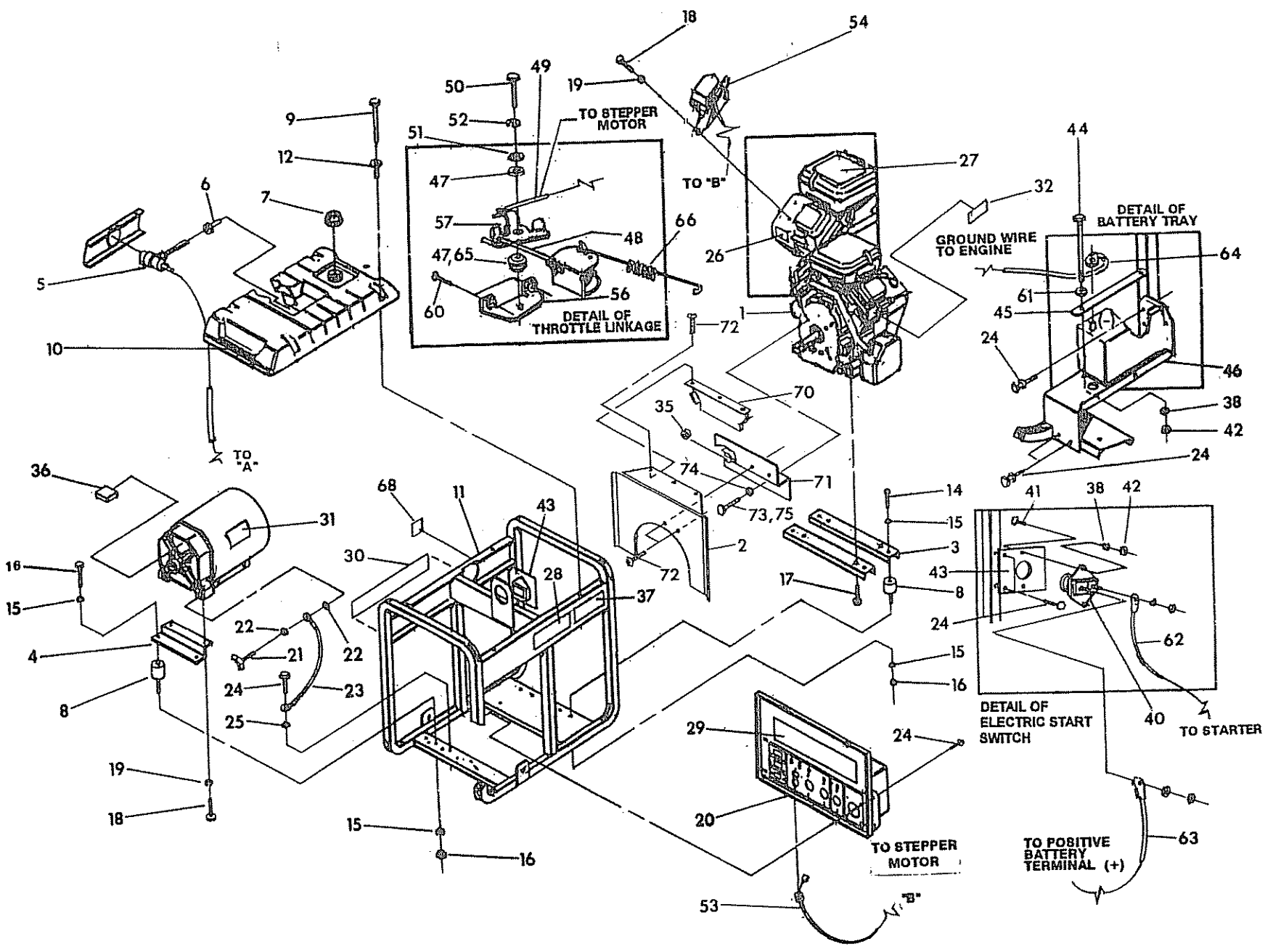


SCHEMATIC

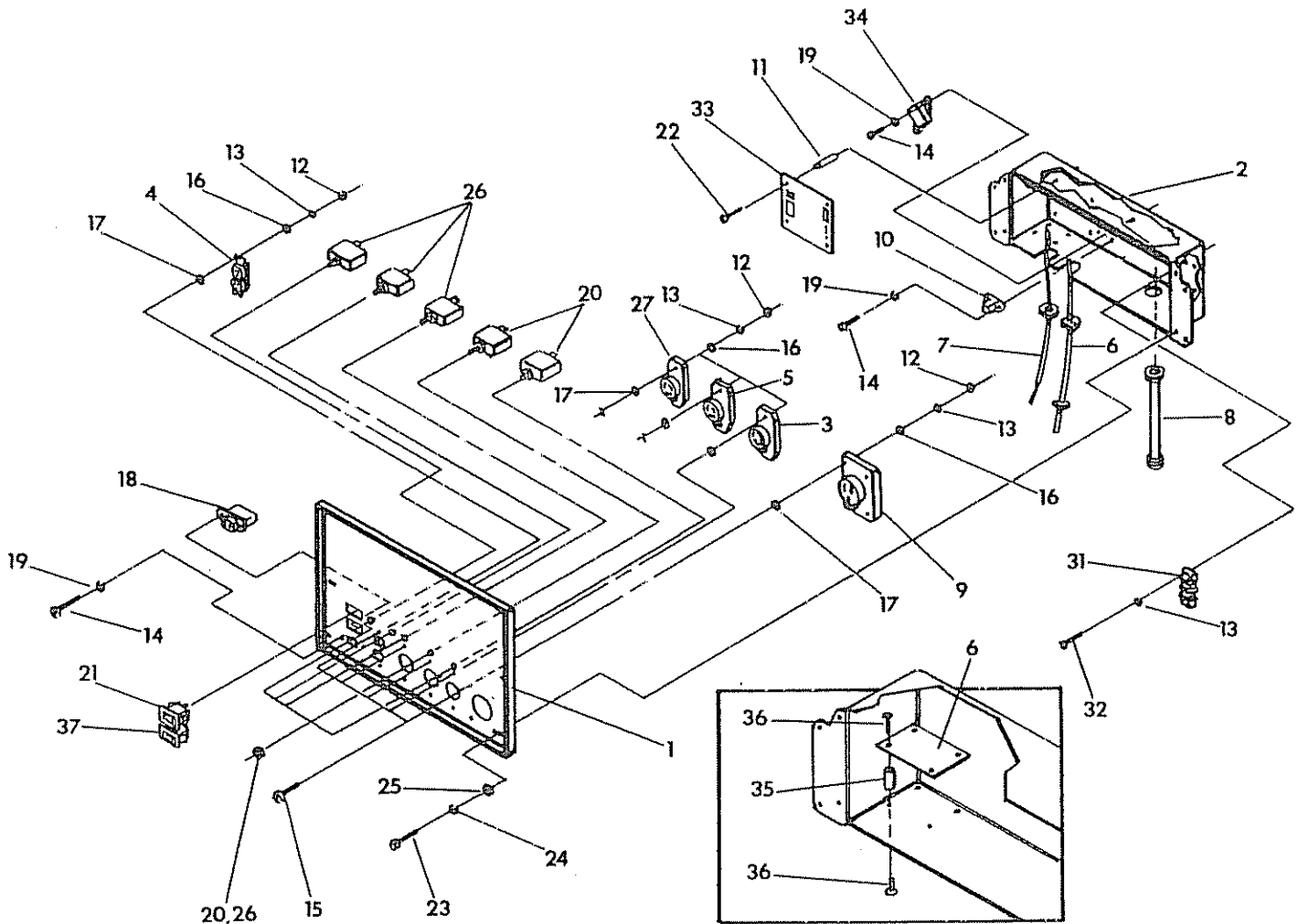
WIRING DIAGRAM



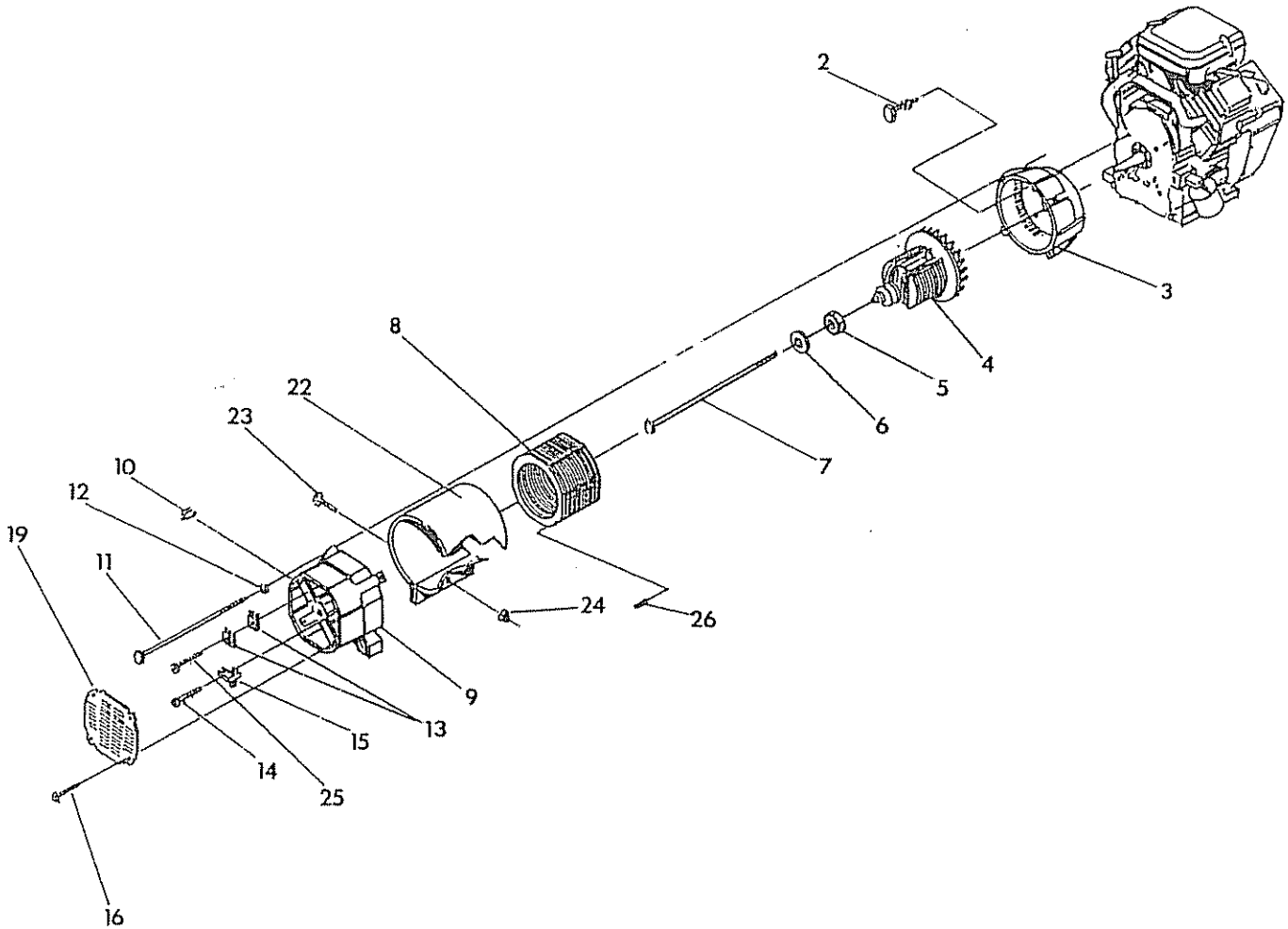
| ITEM | PART NO. | DESCRIPTION |
|------|----------|--|
| 1 | 93393B | HANDLE (1 REQ.) |
| 2 | 93682 | WHEEL (2 REQ.) |
| 3 | 93693B | AXLE (1 REQ.) |
| 4 | 87005 | RETAINING PIN (2 REQ.) |
| 5 | 93685 | WHEEL SPACER (2 REQ.) |
| 6 | 93394 | SUPPORT LEG (1 REQ.) |
| 7 | 27007 | VIBRATION MOUNT (1 REQ.) |
| 8 | 42909 | HEX HEAD CAPSCREW, M8-1.25 X 30mm (1 REQ.) |
| 9 | 52858 | LOCK NUT, M8 (7 REQ.) |
| 10 | 22247 | WASHER [WHEEL] (2 REQ.) |
| 11 | 39253 | HEX HEAD CAPSCREW, M8-1.25 x 20mm (2 REQ.) |
| 12 | 22145 | WASHER [VIBRATION MOUNTING] (1 REQ.) |
| 13 | 39287 | HEX HEAD CAPSCREW, M8-1.25 X 45mm (4 REQ.) |



| ITEM | PART NO. | DESCRIPTION | ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|--|------|-----------|------|--|
| 1 | 85110 | 16 HP V-Twin Engine (1 req.) | 37 | 93826 | | Start Instruction Decal (1 req.) |
| 2 | 98216 | Heat Shield (1 req.) | 38 | 22097 | | M6 Lock Washer (4 req.) |
| 3 | 77304 | Engine Support (2 req.) | 40 | 77282 | | Starter Switch (1 req.) |
| 4 | 78512 | Alternator Support (1 req.) | 41 | 22287 | | 1/4"-20 x 3/4" Screw (2 req.) |
| 5 | 80270 | Fuel Shut-Off Valve (1 req.) | 42 | 22127 | | 1/4"-20 Hex Nut (4 req.) |
| 6 | 78299 | Fuel Valve Bushing (1 req.) | 43 | 78289 | | Starter Switch Bracket (1 req.) |
| 7 | 90878 | Fuel Tank Cap (1 req.) | 44 | 45000 | | 1/4"-20 x 7" Bolt (2 req.) |
| 8 | 35097 | Vibration Mounts (6 req.) | 45 | 44951 | | Battery Hold Down Bar (1 req.) |
| 9 | 78831B | M6-1.0 x 60mm Capscrew (4 req.) | 46 | 84650 | | Battery Tray (1 req.) |
| 10 | 93615 | Fuel Tank (1 req.) | 47 | 96716 | | Nylon Washer (3 req.) |
| 11 | 92558 | Cradle (1 req.) | 48 | 95920 | | Stepper Motor-to-Bell Crank Linkage (1 req.) |
| 12 | 83465 | Fuel Tank Mounting Grommet (4 req.) | 49 | 95921 | | Bell Crank-to-Throttle Linkage (1 req.) |
| 14 | 23152 | 3/8"-16 x 3/4" Capscrew (6 req.) | 50 | 33141 | | #10-32 x 3/4" Capscrew (1 req.) |
| 15 | 22237 | 3/8" Lock Washer (12 req.) | 51 | 51713 | | M5 Flat Washer (1 req.) |
| 16 | 22241 | 3/8"-16 Hex Nut (6 req.) | 52 | 49226 | | M5 Lock Washer (1 req.) |
| 17 | 75246 | 3/8"-16 x 1-1/4" Capscrew (4 req.) | 53 | 62265 | | Rubber Grommet (1 req.) |
| 18 | 39253 | M8-1.25 x 16mm Capscrew (4 req.) | 54 | 96867 | | Stepper Motor (1 req.) |
| 19 | 22129 | M8 Lock Washer (4 req.) | 56 | 95349 | | Adjust Plate (1 req.) |
| 20 | 95919A | Control Panel Assembly (1 req.) | 57 | 95348 | | Bell Crank (1 req.) |
| 21 | 86494 | M6-1.0 x 16mm Wing Screw (1 req.) | 60 | 74041 | | M5-0.8 x 20mm Screw (2 req.) |
| 22 | 26850 | M6 Shakeproof Washer (2 req.) | 61 | 22473 | | 1/4" Washer (2 req.) |
| 23 | 143-53621 | Ground Wire (1 req.) | 62 | 182-53621 | | Starter Wire Assembly (1 req.) |
| 24 | 86292 | No. 10 Self-driller Capscrew (13 req.) | 63 | 183-53621 | | Battery Wire Assembly (1 req.) |
| 25 | 23762 | No. 10 Shakeproof Washer (1 req.) | 64 | 184-53621 | | Ground Wire Assembly (1 req.) |
| 26 | 79661H | Engine Decal (1 req.) | 65 | 96378 | | Spacer (1 req.) |
| 27 | 77581 | Airbox V-Twin Decal (1 req.) | 66 | 96717 | | Spring (1 req.) |
| 28 | 92982 | Danger! Stop! Decal (1 req.) | 68 | 73054 | | Fuel Shut-Off Decal (1 req.) |
| 29 | 95922 | Control Panel Decal (1 req.) | 70 | 93074 | | Heat Shield (1 req.) |
| 30 | 95923 | Unit Decal (1 req.) | 71 | 98214 | | Heat Shield Bracket (1 req.) |
| 31 | 77026 | Data Plate Decal (1 req.) | 72 | 56892 | | #10-24 x 3/8" Screw (5 req.) |
| 32 | 77816 | Caution! Hot Muffler Decal (1 req.) | 73 | 26539 | | 7/16"-14 x 3/4" Hex Bolt (1 req.) |
| 33 | 70542 | M6-1.0 x 16mm Capscrew (2 req.) | 74 | 22250 | | 7/16" Flat Washer (2 req.) |
| 35 | 62265 | Rubber Grommet (1 req.) | 75 | 86495 | | Thread Locker |
| 36 | 84132 | Power Module (1 req.) | | | | |



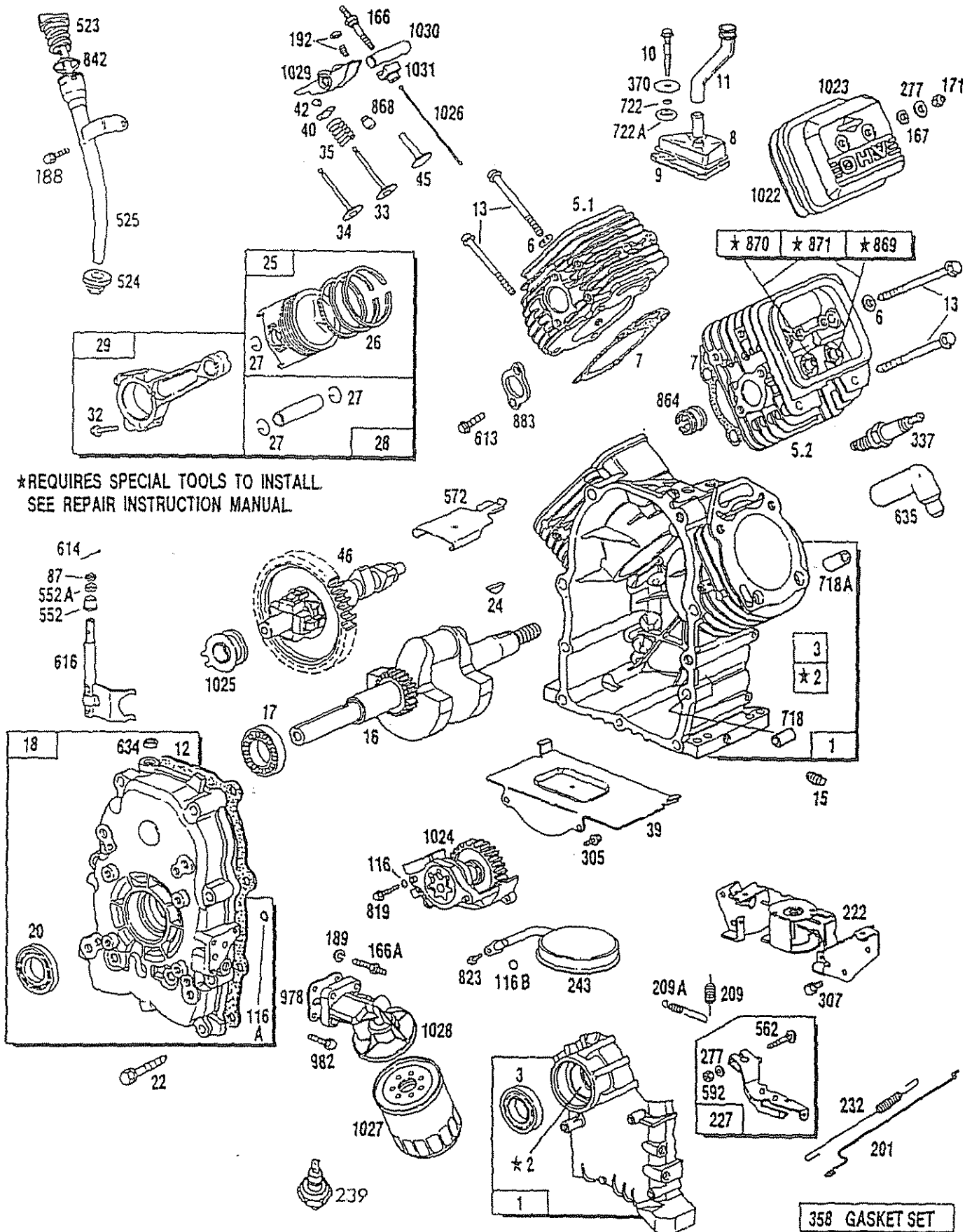
| ITEM | PART NO. | DESCRIPTION | ITEM | PART NO. | DESCRIPTION |
|------|----------|---|------|----------|------------------------------------|
| 1 | 95909 | Control Panel (1 req.) | 16 | 38150 | #8 Flat Washer (12 req.) |
| 2 | 95906 | Control Box (1 req.) | 17 | 23365 | #8 Shakeproof Washer (12 req.) |
| 3 | 43437 | 120/240V, 30 Amp Locking Type Outlet (1 req.) | 18 | 66822 | 12V DC Outlet & Bracket (1 req.) |
| 4 | 68759 | 120 Volts, 20 Amp Duplex GFCI Outlet (1 req.) | 19 | 43182 | M3 Lock Washer (4 req.) |
| 5 | 68868 | 120 Volts 30 Amp Locking Type Outlet (1 req.) | 20 | 75207-A | 30 Amp Circuit Breaker (2 req.) |
| 6 | 83970 | System Control Board (1 req.) | 21 | 78653 | On-off Switch (2 req.) |
| 7 | 95996 | Engine Harness Assm. (1 req.) | 22 | 93986 | M3-0.5 x 20mm Screw (8 req.) |
| 8 | 84134 | Rubber Grommet Connector (1 req.) | 23 | 91526 | M5-0.8 x 12mm Screw (4 req.) |
| 9 | 74191 | 250 Volts, 50 Amp Outlet (1 req.) | 24 | 49226 | M5 Lock Washer (4 req.) |
| 10 | 87962 | Circuit Breaker (1 req.) | 25 | 23897 | M5 Flat Washer (4 req.) |
| 11 | 93929 | 1/2" Hex Stand-off (4 req.) | 26 | 75207 | 20 Amp Circuit Breaker (3 req.) |
| 12 | 51715 | M4-0.7 Hex Nut (12 req.) | 27 | 74190 | 120v/20A Twistlock Outlet (1 req.) |
| 13 | 22264 | #8 Lockwasher (16 req.) | 31 | 92953 | 50-amp, 3-terminal Block (1 req.) |
| 14 | 43181 | M3-0.5 x 10mm Screw (6 req.) | 32 | 80077 | M4-0.7 x 20mm Screw (4 req.) |
| 15 | 75475 | M4-0.7 x 10mm Screw (12 req.) | 33 | 94117 | Idle Control Board (1 req.) |
| | | | 34 | 84028 | Idle Control Transformer (1 req.) |
| | | | 35 | 64525 | 3/4" Hex Stand-Off (4 req.) |
| | | | 36 | 64526 | #6-32 x 3/8" Tap Screw (8 req.) |



| ITEM | PART NO. | DESCRIPTION |
|------|----------|--|
| 2 | 86307 | 5/16"-24 x 3/4" HEX HEAD CAPSCREW (4 REQ.) |
| 3 | 66365-G | ENGINE ADAPTOR HOUSING (1 REQ.) |
| 4 | 92553-G | ROTOR ASSEMBLY (1 REQ.) |
| 5 | 65791 | BALL BEARING (1 REQ.) |
| 6 | 67451 | FLAT WASHER [SPECIAL] (1 REQ.) |
| 7 | 51810 | 5/16"-24 x 11" ROTOR BOLT (1 REQ.) |
| 8 | 94982-G | STATOR ASSEMBLY (1 REQ.) |
| 9 | 66825-B | REAR BEARING CARRIER (1 REQ.) |
| 10 | 67022 | BEARING CARRIER GROMMET (1 REQ.) |
| 11 | 66449-K | M6-1.0 x 200mm STATOR BOLT (4 REQ.) |
| 12 | 22097 | M6 LOCK WASHER (4 REQ.) |
| 13 | 65795 | BATTERY CHARGE RECTIFIER (2 REQ.) |
| 14 | 66849 | M5-0.8 x 16mm TAPTITE SCREW (2 REQ.) |
| 15 | 80812 | BRUSH HOLDER ASSEMBLY (4 REQ.) |
| 16 | 74908 | M5-0.8 x 10mm SCREW (4 REQ.) |
| 19 | 78388 | REAR BEARING CARRIER PANEL (1 REQ.) |
| 22 | 81887-D | ALTERNATOR WRAPPER (1 REQ.) |
| 23 | 52618 | M5-0.8 x 12mm HEX HEAD SCREW (2 REQ.) |
| 24 | 52856 | M5-0.8 LOCKING NUT (2 REQ.) |
| 25 | 66849-C | M5-0.8 x 20mm TAPTITE SCREW (1 REQ.) |
| 26 | 81917 | ROLL PIN (1 REQ.) |

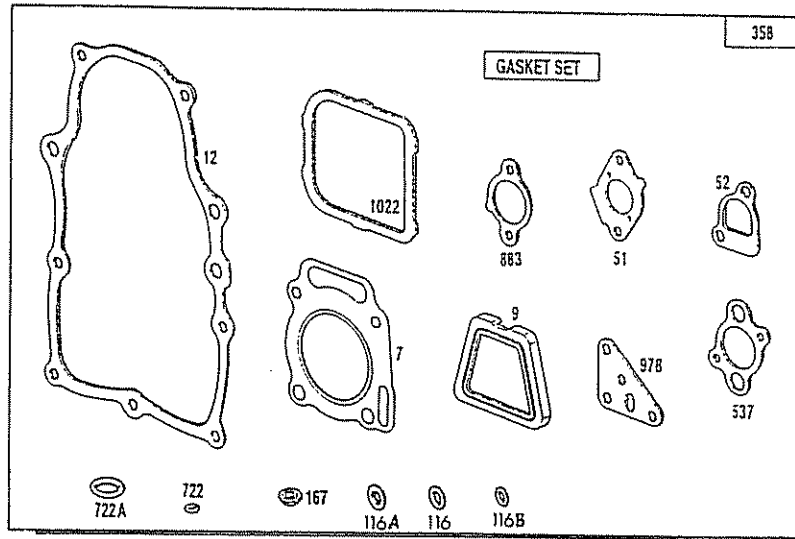
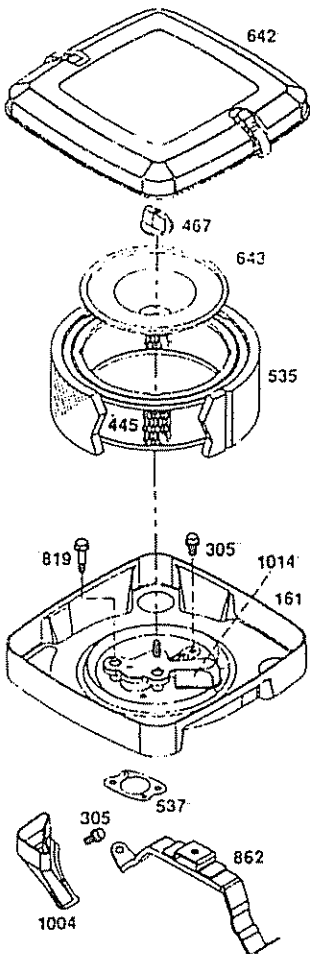
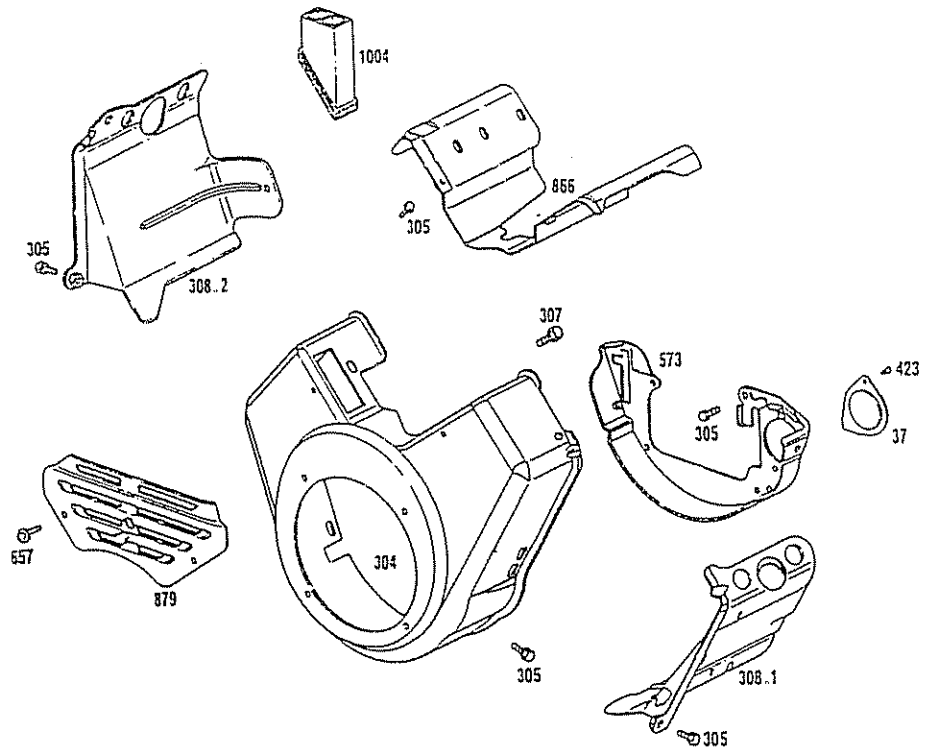
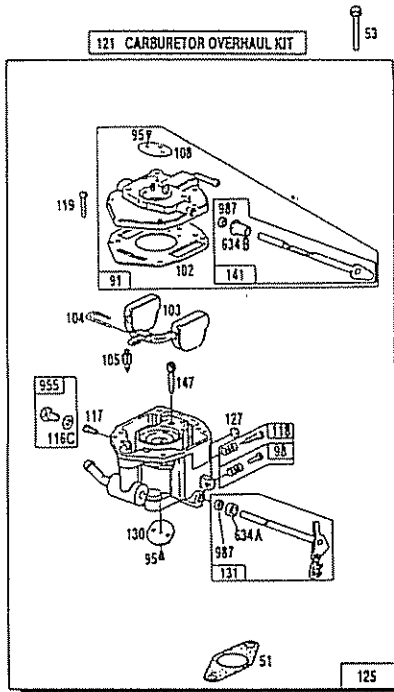
CRAFTSMAN 8000 WATT DELUXE A-C GENERATOR 580.328391

REPAIR PARTS

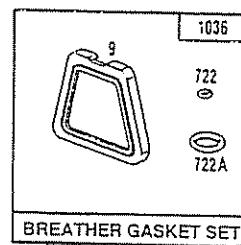
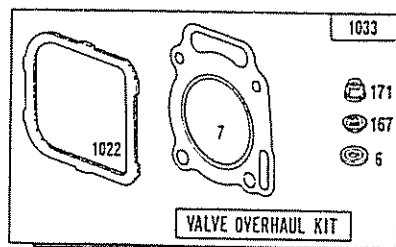


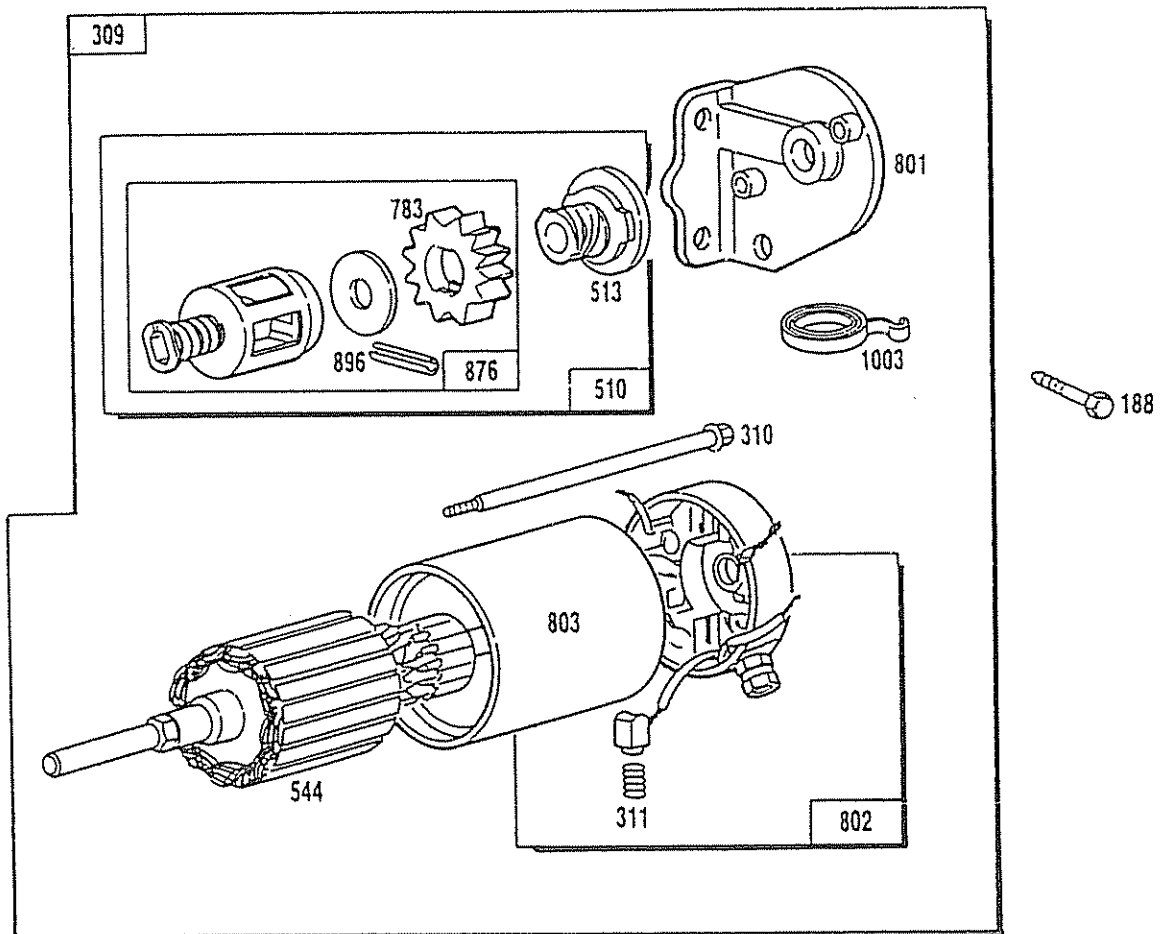
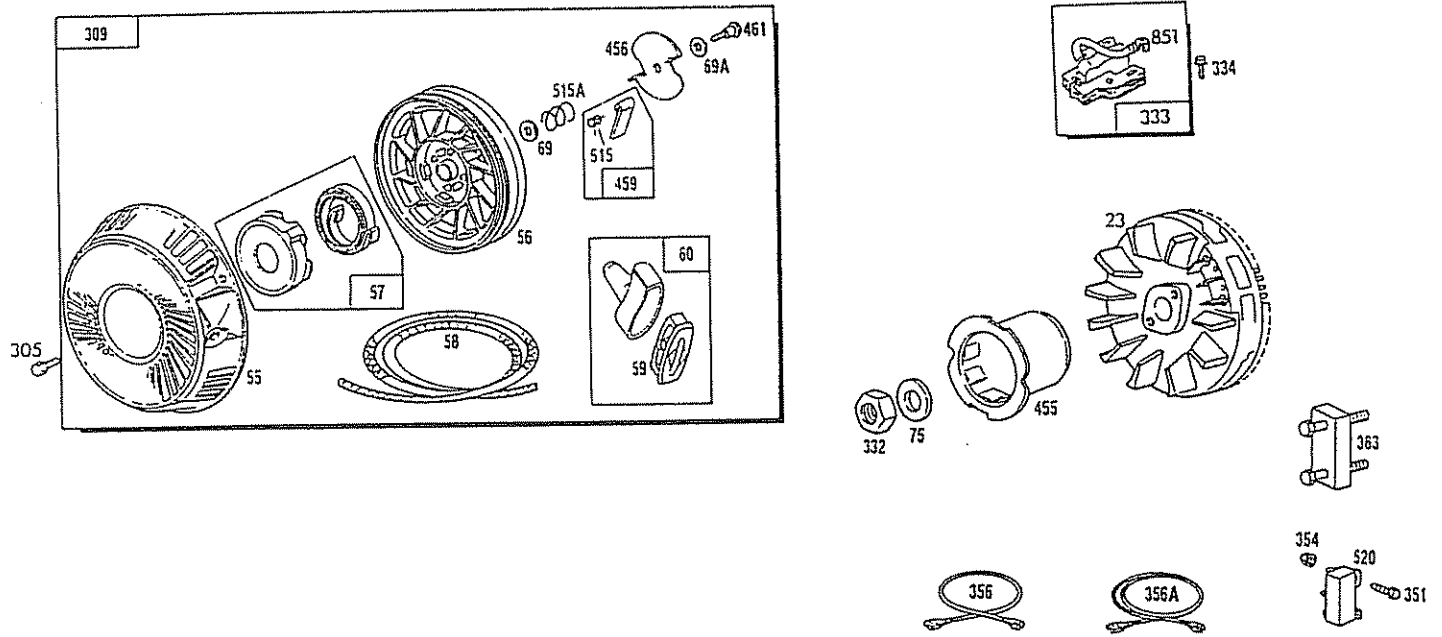
*REQUIRES SPECIAL TOOLS TO INSTALL.
SEE REPAIR INSTRUCTION MANUAL.

Assemblies include all parts shown in frames.



Assemblies include all parts shown in frames





| ITEM | PART NO. | DESCRIPTION |
|------|----------|--|
| 1 | 69376 | 807521 — Cylinder Assembly |
| 2 | 69333 | 805107 — Cylinder Bearing |
| 3 | 67805 | 805101 — Oil Seal |
| 5.1 | 69311 | 807508 — Cylinder Head (#1) |
| 5.2 | 69312 | 807510 — Cylinder Head (#2) |
| 6 | 70169 | +805193 — Cylinder Hd. Washer |
| 7 | 69332 | +805111 — Cylinder Hd. Gasket |
| 8 | 72301 | 807553 — Breather Assembly |
| 9 | 72315 | †*805379 — Breather Gasket |
| 10 | 70190 | 805194 — Screw |
| 11 | 70596 | 805362 — Breather Tube |
| 12 | 69336 | *805112 — Crankcase Cover Gskt |
| 13 | 69325 | 805097 — Cylinder Head Screw |
| 15 | 67888 | 805048 — Oil Drain Plug |
| 16 | 70581 | Crankshaft |
| 17 | 69315 | 805213 — Ball Bearing |
| 18 | 70540 | 807628 — Crankcase Cover |
| 20 | 67924 | 805049 — Oil Seal |
| 22 | 67878 | 805017 — Crankcase Cvr. Screw |
| 23 | 70166 | 807531 — Magneto Flywheel & Ring Gear Assembly |
| 24 | 67877 | 805016 — Flywheel Key |
| 25 | 75248 | 807619 — Piston Assembly |
| 26 | 75249 | 807620 — Piston Ring Set |
| 27 | 69327 | 805099 — Piston Pin Lock |
| 28 | 75250 | 807621 — Piston Pin Assembly |
| 29 | 75251 | 807622 — Connecting Rod Assm |
| 32 | 72346 | 805395 — Connecting Rod Screw |
| 33 | 69316 | 805089 — Exhaust Valve |
| 34 | 69317 | 805090 — Intake Valve |
| 35 | 67816 | 805078 — Valve Spring |
| 37 | 70149 | 805504 — Starter Cover |
| 39 | 70523 | 805300 — Windage Plate |
| 40 | 69320 | 805092 — Valve Spring Retainer |
| 42 | 70513 | 805161 — Valve Retainer |
| 45 | 70584 | 805354 — Valve Tappet |
| 46 | 70530 | 807542 — Cam Gear — 4WT |
| 50 | 72538 | 805409 — Manifold Assembly |
| 50A | 69370 | 805142 — Exhaust Manifold |
| 51 | 67290 | *805264 — Carburetor Mtg Gasket |
| 52 | 67895 | *805023 — Intake Manifold Gasket |
| 53 | 79251 | 805466 — Screw |
| 54 | 67158 | 805006 — Screw |
| 55 | 79252 | 492193 — Starter Housing |
| 56 | 79253 | 280918 — Rewind Starter Pulley |
| 57 | 79254 | 492194 — Rewind Starter Spring |
| 58 | 79255 | 66894 — Rope Starter |
| 59 | 79256 | 490653 — Starter Handle Insert |
| 60 | 79257 | 490652 — Rewind Starter Handle |
| 69 | 79258 | 94464 — Pulley Washer |
| 69A | 79259 | 94462 — Washer Retainer |
| 75 | 67198-N | 805007 — Spring Washer |
| 87 | 68554 | 805054 — Governor Shaft Seal |

| ITEM | PART NO. | DESCRIPTION |
|------|----------|-----------------------------------|
| 91 | 79260 | 807721 — Upper Carb. Body |
| 95 | 79261 | 805538 — Valve Mtg Screw |
| 98 | 79262 | 807718 — Throttle Adjusting Screw |
| 102 | 79263 | ‡805541 — Intake Elbow Gasket |
| 103 | 79264 | 805546 — Float Assembly |
| 104 | 79265 | ‡805545 — Float Hinge Pin |
| 105 | 79266 | 805620 — Fuel Inlet Valve |
| 108 | 79267 | 805539 — Choke Valve |
| 116 | 68573 | *805058 — O-ring (oil Pump) |
| 116A | 70506 | *805198 — O-ring (crankcase) |
| 116B | 70541 | *805316 — O-ring (pick-up Tube) |
| 116C | 79268 | ‡805549 — Main Jet Gasket |
| 117 | 79269 | ‡805548 — Main Jet |
| 118 | 79270Q | ‡807719 — Idle Adj. Needle Valve |
| 119 | 79271 | 805540 — Upper Body Mtg. Screw |
| 121 | 79272 | 807726 — Carburetor Overhaul Kit |
| 122 | 70553 | 805328 — Carburetor Spacer |
| 125 | 67173 | 807801 — Carburetor Assembly |
| 127 | 79273 | 805559 — Welch Plug |
| 130 | 79274 | 805554 — Throttle Valve |
| 131 | 79275 | 807720 — Throttle Shaft |
| 141 | 79276 | 807722 — Choke Shaft |
| 147 | 79277 | 805553 — Slow Speed Jet |
| 161 | 86443 | 807857 — Air Cleaner Base Assm. |
| 166 | 70567 | 805342 — Rocker Arm Stud |
| 166A | 70131 | 805073 — Oil Filter Adapter Stud |
| 167 | 75253 | *+805420 — Valve Cover Washer |
| 171 | 67885 | +805019 — Nut |
| 187 | 47662-AA | 393815 — Fuel Hose |
| 188 | 39253 | 805247 — Screw |
| 189 | 22129 | 805449 — Lock Washer |
| 192 | 75254 | 807623 — Valve Adjusting Screw |
| 201 | 74946 | 805480 — Governor Choke Control |
| 206 | 79278 | 805470 — Nut For Speed Control |
| 207 | 79279 | 805473 — Speed Control Screw |
| 208 | 79280 | 805471 — Speed Control Rod |
| 209 | 77348 | 805630 — Governor Spring - 2WT |
| 209A | 79282 | 805450 — Governor Idle Spring |
| 216 | 79283 | 805439 — Choke Link |
| 216A | 79284 | 805509 — Manual Rod |
| 222 | 79285 | 807610 — Governor Control Brkt |
| 227 | 72320 | 807528 — Governor Lever Assembly |
| 232 | 70125 | 805465 — Governor Link Spring |
| 239 | 60108 | 491657 — Oil Pressure Switch |
| 240 | 75213 | 394358 — Fuel Filter |
| 243 | 70531 | 807598 — Oil Pump Pick-up Screen |
| 271 | 79286 | 807609 — Choke Control Bracket |
| 277 | 67884 | 805018 — Washer |
| 280 | 79288 | 805472 — Speed Control Bracket |
| 300A | 81958 | 807558 — Exhaust Muffler |
| 304 | 69369 | 807654 — Blower Housing |
| 305 | 66886 | 805406 — Screw |
| 307 | 67898 | 805025 — Screw |

CRAFTSMAN 8000 WATT A-C GENERATOR 580.328391

REPAIR PARTS

| ITEM | PART NO. | DESCRIPTION | ITEM | PART NO. | DESCRIPTION |
|-------|----------|------------------------------------|-------|----------|-------------------------------------|
| 308.1 | 69363 | 807648 — Air Guide Cover (cyl. #1) | 643 | 86448 | 805631 — Air Cleaner Plate |
| 308.2 | 69364 | 807649 — Air Guide Cover (cyl #1) | 657 | 67820 | 805009 — Screw |
| 309 | 75255 | 399169 — Starter Motor | 688 | 80006 | 805485 — Spring Cap |
| 310 | 75256 | 94169 — Bolt | 718A | 67806 | 805102 — cylinder Head Dowel |
| 311 | 75257 | 490311 — Brush Assembly | 718 | 68555 | 805103 — Crankcase Dowel |
| 332 | 67890 | 805021 — Hex Nut | 722 | 75262 | †*805482 — Breather Screw Seal |
| 333 | 67891 | 492341 — Magneto Armature | 722A | 75263 | †*805483 — Breather Screw Seal |
| 337 | 72347 | 491055 — Spark Plug | 727 | 70129 | 805503 — Starter Shield |
| 351 | 70116 | 805169 — Hex Head Screw | 783 | 75264 | 280104 — Gear |
| 354 | 79289 | 805496 — Nylock Nut | 801 | 75265 | 394856 — Drive End Cap Assembly |
| 356 | 79290 | 807594 — Ground Wire (cyl. #1) | 802 | 75266 | 490310 — Commutator End Assm. |
| 356A | 79291 | 807593 — Ground Wire (cyl. #2) | 803 | 75267 | 399172 — Housing Assembly |
| 358 | 80055 | 807640 — Gasket Set | 819 | 68572 | 805057 — Screw |
| 363 | 79292 | 19203 — Flywheel Puller | 823 | 70542 | 805317 — Mounting Screw |
| 370 | 75259 | 805484 — Breather Screw Washer | 842 | 80007 | 805386 — O-ring |
| 423 | 66484 | 805260 — Screw | 851 | 75272 | 493880 — Ignition Cable Terminal |
| 445 | 86444 | 394018 — Air Cleaner Element | 862A | 86449 | 807796 — Air Cleaner Bracket |
| 455 | 70198-A | 805153 — Starter Hub | 864 | 67195 | 805083 — Exhaust Port Liner |
| 456 | 79293 | 224228 — Retainer | 866 | 72307 | 807652 — Air Guide Valley Cover |
| 457 | 86445 | 491875 — Air Cleaner Knob | 868 | 70122 | 805094 — Valve Guide Seal |
| 459 | 79294 | 492341 — Starter Dog | 869 | 67910 | 805085 — Intake Valve |
| 461 | 79295 | 94463 — Retainer Screw | 870 | 67911 | 805086 — Exhaust Valve Seat |
| 510 | 75250 | 490421 — Drive Assembly | 871 | 67813 | 805084 — Valve Guide |
| 513 | 75261 | 398003 — Clutch Assembly | 876 | 75268 | 490467 — Gear Kit |
| 515 | 79298 | 262565 — Dog Spring | 879 | 72304 | 805369 — Carburetor Cover |
| 515A | 79299 | 262564 — Torsion Spring | 883 | 67897 | *805024 — Exhaust Manifold Gasket |
| 520 | 70520 | 807527 — Ground Terminal | 884 | 74807 | 807595 — Muffler Clamp |
| 523 | 70158 | 807585 — Dipstick | 896 | 75270 | 94288 — Roll Pin |
| 524 | 67181 | 805259 — Filler Tube Seal | 955 | 80008 | 807723 — Jet Plug |
| 525 | 70151 | 807584 — Oil Filler Tube | 978 | 68548 | *805250 — Oil Filter Adapter Gasket |
| 537 | 66480 | 805003 — Air Cleaner Gasket | 982 | 68527 | 805030 — Screw |
| 539 | 80002 | 221372 — Friction Clip | 987 | 80010 | ‡805544 — Shaft Seal |
| 544 | 75269 | 490309 — Armature Assembly | 991 | 69341 | 805267 — Pre-filter |
| 552 | 72361 | 805412 — Governor Shaft Bushing | 1003 | 80011 | 490316 — Brush Spring Set |
| 552A | 72362 | 805413 — governor Shaft Bushing | 1004A | 86450 | 805632 — Air Inlet Tube |
| 562 | 80003 | 805381 — Bolt | 1014A | 86451 | 807797 — Breather Deflector |
| 572 | 70199 | 805197 — Breather Baffle | 1022 | 67920 | +*805028 — Valve Cover Gasket |
| 573 | 69368 | 807655 — Back Plate Assembly | 1023 | 69328 | 805100 — Valve Cover |
| 592 | 72321 | 805383 — Hex Nut | 1024 | 70539 | 807644 — Oil Pump Assembly |
| 601 | 70162 | 93053 — Hose Clamp | 1025 | 70536 | 805313 — Governor Slider |
| 608 | 70197 | 491017 — Rewind Starter Assembly | 1026 | 70577 | 805352 — Rod Intake Push |
| 613 | 69397 | 805158 — Screw | 1026A | 80009 | 805617 — Rod Exhaust Push |
| 614 | 72366 | 805417 — Cotter Pin | 1027 | 70185 | 491056 — Oil Filter |
| 616 | 72367 | 807596 — Governor Fork | 1028 | 81959 | 807755 — Oil Filter Adapter |
| 634 | 72365 | 805416 — Governor Shaft Washer | 1029 | 70599 | 807557 — Rocker Arm |
| 634A | 80004 | ‡805557 — Throttle Collar | 1030 | 70567 | 805342 — Rocker Arm Shaft |
| 634B | 80005 | ‡805543 — Choke Collar | 1031 | 70566 | 805341 — Rocker Arm Support |
| 635 | 70562 | 805529 — Spark Plug Elbow | 1033 | 75271 | 807668 — Valve Overhaul Kit |
| 642 | 86447 | 807862 — Air Cleaner Cover | 1036 | 80012 | 808688 — Breather Gasket Set |

NOTE: The numbers included in DESCRIPTION refer to the engine manufacturer's part numbers.

* Included in 807640 Gasket Set, Part #80055

+ Included in 807668 Valve Overhaul Kit, Part No. #80056

† Included in 807688 Breather Gasket Kit, Part No. #80054

‡ Included in 807726 Carburetor Overhaul Kit, Part No. #75252

TWO-YEAR LIMITED WARRANTY FOR DELUXE PORTABLE GENERATORS

SEARS warrants to the original purchaser that the alternator and engine for its portable generator will be free from defects in materials or workmanship for the items and period set forth below from the date of original purchase. This warranty is not transferable and applies only to portable generators driven by the GN-Series Sears warranted engine.

| | CONSUMER* | COMMERCIAL* |
|-------------------|--------------------------------------|--------------------|
| <i>Alternator</i> | <i>2 years (2nd year parts only)</i> | <i>1 year</i> |
| <i>Engine</i> | <i>2 years (2nd year parts only)</i> | <i>1 year</i> |

*** NOTE:** For the purpose of this warranty "consumer use" means personal residential household use by original purchaser. "Commercial Use" means all other uses, including rental, construction, commercial and income producing purposes. Once a generator has experienced commercial use, it shall thereafter be considered a commercial use generator for the purposes of this warranty.

During said warranty period, SEARS will, at its option, repair or replace any part which, upon examination by SEARS, is found to be defective under normal use and service**. Starting batteries are not warranted by SEARS. All transportation costs under warranty, including return to the factory if necessary, are to be borne by the purchaser and prepaid by him. This warranty does not cover normal maintenance and service and does not apply to a generator set, alternator or engine, or parts which have been subjected to improper or unauthorized installation or alteration, misuse, negligence, accident, overloading, overspeeding, improper maintenance, repair or storage so as, in SEARS's judgment, to adversely affect its performance and reliability.

**** NORMAL WEAR:** As with all mechanical devices, engines need periodic parts service and replacement to perform well. This warranty will not cover repair when normal use has exhausted the life of a part or an engine.

THERE IS NO OTHER EXPRESS WARRANTY. SEARS HEREBY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE TO THE EXTENT PERMITTED BY LAW. THE DURATION OF ANY IMPLIED WARRANTIES WHICH CANNOT BE DISCLAIMED IS LIMITED TO THE TIME PERIOD AS SPECIFIED IN THE EXPRESS WARRANTY. LIABILITY FOR CONSEQUENTIAL, INCIDENTAL, OR SPECIAL DAMAGES UNDER ANY AND ALL WARRANTIES IS EXCLUDED. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

For service, see your nearest SEARS authorized warranty service facility. Warranty service can be performed only by a SEARS authorized service facility. This warranty will not apply to service at any other facility. At the time of requesting warranty service, evidence of original purchase date must be presented.

SEARS, ROEBUCK AND CO.
Department 817 WA
Hoffman Estates, IL 60179

FOR CALIFORNIA RESIDENTS ONLY WHEN SEEKING SERVICE IN CALIFORNIA
CALIFORNIA EMISSION CONTROL WARRANTY STATEMENT
YOUR WARRANTY RIGHTS AND OBLIGATIONS

The California Air Resources Board and Sears Roebuck and Co., USA (Sears), are pleased to explain the emissions control system warranty on your 1995 and later lawn and garden equipment engine. In California new utility and lawn and garden equipment engines must be designed, built, and equipped to meet the State's stringent anti-smog standards. Sears must warrant the emission control system on your lawn and garden equipment engine for the periods of time listed below provided there has been no abuse, neglect, or improper maintenance of your lawn and garden equipment engine.

Your emission control system includes parts such as the carburetor and the ignition system. Where a warrantable condition exists, Sears will repair your lawn and garden equipment engine at no cost to you. Expenses covered under warranty include diagnosis, parts, and labor.

MANUFACTURER'S WARRANTY COVERAGE

The 1995 and later utility and lawn and garden equipment engines are warranted for two years. If any emission related part on your engine (as listed below) is defective, the part will be repaired or replaced by Sears.

OWNER'S WARRANTY RESPONSIBILITIES

As the lawn and garden equipment engine owner, you are responsible for the performance of the required maintenance listed in your Owner's Manual. Sears recommends that you retain all receipts covering maintenance on your lawn and garden equipment engine, but Sears cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

As the lawn and garden equipment engine owner, you should be aware that Sears may deny you warranty coverage if your lawn and garden equipment 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 lawn and garden equipment 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 1-800-473-7247.

WARRANTY COMMENCEMENT DATE

The warranty period begins on the date the lawn and garden equipment engine is delivered to the original, end-use purchaser.

LENGTH OF COVERAGE

Sears warrants to the initial owner and each subsequent purchaser that the engine is free from defects in materials and workmanship which cause the failure of a warranted part for a period of two years.

WHAT IS COVERED

REPAIR OR REPLACEMENT OF PARTS

- Repair or replacement of any warranted part will be performed at not 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 1-800-473-7247.

WARRANTY PERIOD

Any warranted part which is not scheduled for replacement as required maintenance, or which is scheduled only for regular inspection to the effect of "repair or replace as necessary" shall be warranted for 2 years. Any warranted part which is scheduled for replacement as required maintenance shall be warranted for the period of time up to the first scheduled replacement point for that part.

DIAGNOSIS

The owner shall not be charged for diagnostic labor which leads to the determination that a warranted part is defective if the diagnostic work is performed at an approved Sears servicing center.

CONSEQUENTIAL DAMAGES

Sears may be liable for damages to other engine components caused by the failure of a warranted part still under warranty.

WHAT IS NOT COVERED

All failures caused by abuse, neglect, or improper maintenance are not covered.

ADD-ON OR MODIFIED PARTS

The use of add-on or modified parts can be grounds for disallowing a warranty claim. Sears is not liable to cover failures of warranted parts caused by the use of add-on or modified parts.

HOW TO FILE A CLAIM

If you have any questions regarding your warranty rights and responsibilities, you should contact your nearest authorized service center or call Sears at 1-800-473-7247.

WHERE TO GET WARRANTY SERVICE

Warranty services or repairs shall be provided at all Sears authorized service centers.

MAINTENANCE, REPLACEMENT AND REPAIR OF EMISSION RELATED PARTS

Any Sears approved replacement part used in the performance of any warranty maintenance or repair on emission related parts will be provided without charge to the owner if the part is under warranty.

EMISSION CONTROL WARRANTY PARTS LIST

1. Carburetor Assembly
2. Ignition System
 - a. Spark Plug, covered up to maintenance schedule.
 - b. Ignition Module
3. Crankcase Breather Tube
4. Exhaust Manifold

MAINTENANCE STATEMENT

The owner is responsible for the performance of all required maintenance as defined in the owners manual.

SEARS

OWNER'S MANUAL

MODEL NO.

580.328391

IF YOU NEED REPAIR SERVICE OR PARTS

FOR REPAIR SERVICE CALL
THIS TOLL FREE NUMBER

1-800-4•REPAIR

(1-800-473-7247)

FOR REPLACEMENT PARTS
INFORMATION AND ORDERING,
CALL THIS TOLL FREE NUMBER:

1-800-FON-PART

(1-800-366-7278)

CRAFTSMAN®

120/240 VOLTS / 8000 WATT A-C DELUXE PORTABLE GENERATOR

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

The model number for your Portable Generator will be found on a decal attached to the unit.

The part number for your 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 GENERATOR
- MODEL NUMBER — 580.328391
- 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.

SEARS, ROEBUCK and CO., Hoffman Estates, IL 60179 U.S.A.