

OPERATION AND PARTS MANUAL



MODEL GA-9.7HE PORTABLE GENERATOR (HONDA GX610 GASOLINE ENGINE)

Revision #1 (04/29/10)

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THIS MANUAL MUST ACCOMPANY THE EQUIPMENT AT ALL TIMES.

| |
|--|
|  WARNING  |
| CALIFORNIA — Proposition 65 Warning |
| Gasoline engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm. |

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GA9.7HE Portable 60 Hz Generator

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NOTICE

Specifications and part numbers are subject to change without notice.

PARTS ORDERING PROCEDURES

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Effective:
January 1st, 2006



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Note: Discounts Are Subject To Change



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- Dealer Name and Address
- Shipping Address (if different than billing address)
- Return Fax Number
- Applicable Model Number
- Quantity, Part Number and Description of Each Part
- Specify Preferred Method of Shipment:
 - UPS/Fed Ex
 - Priority One
 - Ground
 - Next Day
 - Second/Third Day
 - DHL
 - Truck

NOTICE

All orders are treated as *Standard Orders* and will ship the same day if received prior to 3PM PST.

WE ACCEPT ALL MAJOR CREDIT CARDS!



SAFETY INFORMATION

Do not operate or service the equipment before reading the entire manual. Safety precautions should be followed at all times when operating this equipment. Failure to read and understand the safety messages and operating instructions could result in injury to yourself and others.

SAFETY MESSAGES

The four safety messages shown below will inform you about potential hazards that could injure you or others. The safety messages specifically address the level of exposure to the operator and are preceded by one of four words: **DANGER**, **WARNING**, **CAUTION** or **NOTICE**.

SAFETY SYMBOLS

| |
|--|
|  DANGER |
| <p>Indicates a hazardous situation which, if not avoided, WILL result in DEATH or SERIOUS INJURY.</p> |

| |
|---|
|  WARNING |
| <p>Indicates a hazardous situation which, if not avoided, COULD result in DEATH or SERIOUS INJURY.</p> |

| |
|--|
|  CAUTION |
| <p>Indicates a hazardous situation which, if not avoided, COULD result in MINOR or MODERATE INJURY.</p> |

| |
|--|
| NOTICE |
| <p>Addresses practices not related to personal injury.</p> |

Potential hazards associated with the operation of this equipment will be referenced with hazard symbols which may appear throughout this manual in conjunction with safety messages.

| Symbol | Safety Hazard |
|--|----------------------------|
|  | Lethal exhaust gas hazards |
|  | Explosive fuel hazards |
|  | Burn hazards |
|  | Overspeed hazards |
|  | Electric shock hazards |

SAFETY INFORMATION

GENERAL SAFETY

CAUTION

- **NEVER** operate this equipment without proper protective clothing, shatterproof glasses, respiratory protection, hearing protection, steel-toed boots and other protective devices required by the job or city and state regulations.



- **NEVER** operate this equipment when not feeling well due to fatigue, illness or when under medication.
- **NEVER** operate this equipment under the influence of drugs or alcohol.



- **ALWAYS** check the equipment for loosened threads or bolts before starting.
- **DO NOT** use the equipment for any purpose other than its intended purposes or applications.

NOTICE

- This equipment should only be operated by trained and qualified personnel 18 years of age and older.
- Whenever necessary, replace nameplate, operation and safety decals when they become difficult read.
- Manufacturer does not assume responsibility for any accident due to equipment modifications. Unauthorized equipment modification will void all warranties.

- **NEVER** use accessories or attachments that are not recommended by Multiquip for this equipment. Damage to the equipment and/or injury to user may result.

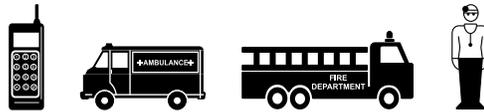
- **ALWAYS** know the location of the nearest fire extinguisher.



- **ALWAYS** know the location of the nearest first aid kit.



- **ALWAYS** know the location of the nearest phone or **keep a phone on the job site**. Also, know the phone numbers of the nearest **ambulance, doctor** and **fire department**. This information will be invaluable in the case of an emergency.



GENERATOR SAFETY

DANGER

- **NEVER** operate the equipment in an explosive atmosphere or near combustible materials. An explosion or fire could result causing severe **bodily harm or even death**.



WARNING

- **NEVER** disconnect any **emergency or safety devices**. These devices are intended for operator safety. Disconnection of these devices can cause severe injury, bodily harm or even death. Disconnection of any of these devices will void all warranties.

CAUTION

- **NEVER** lubricate components or attempt service on a running machine.

NOTICE

- **ALWAYS** ensure generator is on level ground before use.
- **ALWAYS** keep the machine in proper running condition.
- Fix damage to machine and replace any broken parts immediately.
- **ALWAYS** store equipment properly when it is not being used. Equipment should be stored in a clean, dry location out of the reach of children and unauthorized personnel

SAFETY INFORMATION

ENGINE SAFETY

DANGER

- The engine fuel exhaust gases contain poisonous carbon monoxide. This gas is colorless and odorless, and can cause death if inhaled.
- The engine of this equipment requires an adequate free flow of cooling air. **NEVER** operate this equipment in any enclosed or narrow area where free flow of the air is restricted. If the air flow is restricted it will cause injury to people and property and serious damage to the equipment or engine.



WARNING

- **NEVER** operate the engine with heat shields or guards removed.
- **DO NOT** remove the engine oil drain plug while the engine is hot. Hot oil will gush out of the engine crankcase and severely scald any persons in the general area of the generator.

CAUTION

- **NEVER** touch the hot exhaust manifold, muffler or cylinder. Allow these parts to cool before servicing equipment.



NOTICE

- **NEVER** run engine without an air filter or with a dirty air filter. Severe engine damage may occur. Service air filter frequently to prevent engine malfunction.
- **NEVER** tamper with the factory settings of the engine or engine governor. Damage to the engine or equipment can result if operating in speed ranges above the maximum allowable.
- State Health Safety Codes and Public Resources Codes specify that in certain locations, spark arresters must be used on internal combustion engines that use hydrocarbon fuels. A spark arrester is a device designed

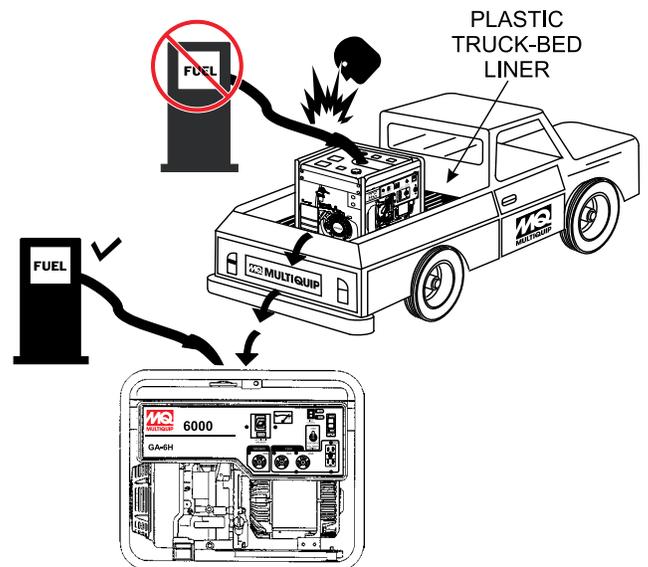


to prevent accidental discharge of sparks or flames from the engine exhaust. Spark arresters are qualified and rated by the United States Forest Service for this purpose. In order to comply with local laws regarding spark arresters, consult the engine distributor or the local Health and Safety Administrator.

FUEL SAFETY

DANGER

- **DO NOT** add fuel to equipment if it is placed inside truck bed with plastic liner. Possibility exists of explosion or fire due to static electricity.



- **DO NOT** start the engine near spilled fuel or combustible fluids. Diesel fuel is extremely flammable and its vapors can cause an explosion if ignited.
- **ALWAYS** refuel in a well-ventilated area, away from sparks and open flames.
- **ALWAYS** use extreme caution when working with **flammable** liquids.
- **DO NOT** fill the fuel tank while the engine is running or hot.
- **DO NOT** overfill tank, since spilled fuel could ignite if it comes into contact with hot engine parts or sparks from the ignition system.
- Store fuel in appropriate containers, in well-ventilated areas and away from sparks and flames.

SAFETY INFORMATION

- **NEVER** use fuel as a cleaning agent.
- **DO NOT** smoke around or near the equipment. Fire or explosion could result from fuel vapors or if fuel is spilled on a hot engine.



ELECTRICAL SAFETY

DANGER

- Turn generator and all circuit breakers **OFF** before performing maintenance on the generator or making contact with output receptacles.

- **NEVER** insert any objects into the output receptacles during operation. This is extremely dangerous. The possibility exists of **electrical shock, electrocution or death.**



- Backfeed to a utility system can cause **electrocution** and/or property damage. **NEVER** connect the generator to a building's electrical system without a transfer switch or other approved device. All installations should be performed by a **licensed electrician** in accordance with all applicable laws and electrical codes. Failure to do so could result in electrical shock or burn, causing **serious injury or even death.**



Power Cord/Cable Safety

DANGER

- **NEVER** let power cords or cables **lay in water.**
- **NEVER stand in water** while AC power from the generator is being transferred to a load.
- **NEVER** use **damaged** or **worn** cables or cords when connecting equipment to generator. Inspect for cuts in the insulation.

- **NEVER** grab or touch a live power cord or cable with wet hands. The possibility exists of **electrical shock, electrocution or death.**



- Make sure power cables are securely connected to the generator's output receptacles. Incorrect connections may cause electrical shock and damage to the generator.

NOTICE

- **ALWAYS** make certain that proper power or extension cord has been selected for the job. See Cable Selection Chart in this manual.

Grounding Safety

DANGER

- **ALWAYS** make sure that electrical circuits are properly grounded to a suitable earth ground (ground rod) per the National Electrical Code (NEC) and local codes before operating generator. **Severe injury or death by electrocution** can result from operating an ungrounded generator.

- **NEVER** use gas piping as an electrical ground.

BATTERY SAFETY (ELECTRIC START ONLY)

DANGER

- **DO NOT** drop the battery. There is a possibility that the battery will explode.

- **DO NOT** expose the battery to open flames, sparks, cigarettes, etc. The battery contains combustible gases and liquids. If these gases and liquids come into contact with a flame or spark, an explosion could occur.



- **DO NOT** charge battery if frozen. Battery can explode. When frozen, warm the battery to at least 61°F (16°C).

WARNING

- **ALWAYS** wear safety glasses when handling the battery to avoid eye irritation. The battery contains acids that can cause injury to the eyes and skin.



- Use well-insulated gloves when picking up the battery.
- **ALWAYS** keep the battery charged. If the battery is not charged, combustible gas will build up.
- **ALWAYS** recharge the battery in a well-ventilated environment to avoid the risk of a dangerous concentration of combustible gasses.

SAFETY INFORMATION

- If the battery liquid (dilute sulfuric acid) comes into contact with **clothing or skin**, rinse skin or clothing immediately with plenty of water.
- If the battery liquid (dilute sulfuric acid) comes into contact with **eyes**, rinse eyes immediately with plenty of water and contact the nearest doctor or hospital to seek medical attention.

CAUTION

- **ALWAYS** disconnect the **NEGATIVE battery terminal** before performing service on the generator.
- **ALWAYS** keep battery cables in good working condition. Repair or replace all worn cables.

TRANSPORTING SAFETY

CAUTION

- **NEVER** allow any person or animal to stand underneath the equipment while lifting.

NOTICE

- Before lifting, make sure that the equipment parts (lifting bail if equipped) are not damaged and screws are not loose or missing.
- Always make sure crane or lifting device has been properly secured to the lifting bail (hook) of the equipment.
- **ALWAYS** shutdown engine before transporting.
- **NEVER** lift the equipment while the engine is running.
- Tighten fuel tank cap securely and close fuel cock to prevent fuel from spilling.
- Use adequate lifting cable (wire or rope) of sufficient strength.
- Use one point suspension hook and lift straight upwards.
- **DO NOT** lift machine to unnecessary heights.
- **ALWAYS** tie down equipment during transport by securing the equipment with rope.

ENVIRONMENTAL SAFETY

NOTICE

- Dispose of hazardous waste properly. Examples of potentially hazardous waste are used motor oil, fuel and fuel filters. 
- **DO NOT** use food or plastic containers to dispose of hazardous waste.
- **DO NOT** pour waste, oil or fuel directly onto the ground, down a drain or into any water source.

SPECIFICATIONS (GENERATOR)

| Table 1. Specifications (Generator) | | |
|---|---|--|
| AC Generator 60 Hz AC Power Source | Model | GA9.7HE |
| | Type | Brushless Revolving Field Type |
| | Excitation | Solid State, Statically Excited System |
| | Speed | 3,600 RPM |
| | Cooling System | Self-Ventilation |
| | Max Power Output | 9.7 kW |
| | Continuous Power Output | 8.4 kW |
| | Rated Voltage | 120/240V |
| | Current Max/Continuous (120V) | 80.8/70 amps |
| | Current Max/Continuous (240V) | 40.4/35 amps |
| | Phase | Single Phase (3 wire) |
| | Frequency | 60 Hz |
| | Power Factor | 1 |
| Battery | 12V CCA 230 | |
| Dimensions (L x W x H) | 31.49 x 21.25 X 27.55 in. (800 X 540 X 700 mm) | |
| Dry Net Weight | 342 lbs. (155 kg.) | |
| Weight with Fuel | 408 lbs. (185 kg.) | |

NOTICE

In keeping with Multiquip's policy of constantly improving its products, the specifications quoted herein are subject to change without prior notice.

SPECIFICATIONS (ENGINE)

| Table 2. Specifications (Engine) | | |
|---|----------------------|--|
| Engine | Model | HONDA GX610K1VD HONDA GX610U1VD |
| | Type | Air-cooled 4 stroke, Single Cylinder, OHV, Horizontal Shaft Gasoline Engine |
| | Bore X Stroke | 3.03 in. X 2.59 in. (77 mm x 66 mm.) |
| | Displacement | 37.46 cu-in (614 cm ³) |
| | Max Output | 18.0 H.P./3600 R.P.M. |
| | Fuel | Unleaded Automobile Gasoline |
| | Fuel Capacity | 10 gallons (38 liters) |
| | Lube Oil Capacity | 1.90 quarts (1.8 liters) |
| | Oil Alert System | Yes |
| | Speed Control Method | Centrifugal Fly-weight Type |
| | Starting Method | Electric Start/Recoil |
| | Battery | 12 Volt @ 35 Ah |
| Dimensions (L x W x H) | | 15.27 x 17.99 X 17.79 in. (388 X 457 X 452 mm) |
| Dry Net Weight | | 114.6 lbs. (42 kg.) |

Effects of Altitude and Heat

The maximum output of the engines listed above are applicable to supplying electrical power for continuous service at ambient conditions in accordance with SAE Test cord J607. The above ambient conditions are at standard sea level, with a barometric reading of 29.92 inches and a temperature of 60° F (15.5° C).

Generally, the engine's output power will decrease 3-1/2% for each 1000 feet (305 meters) of altitude above sea level, and 1% for each 10° F (-12.2° C) above the standard temperature of 60° F (15.5° C).

DIMENSIONS

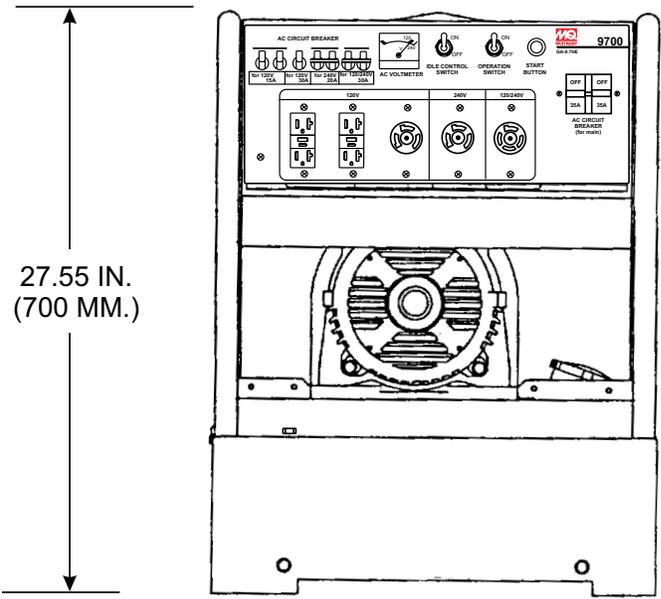
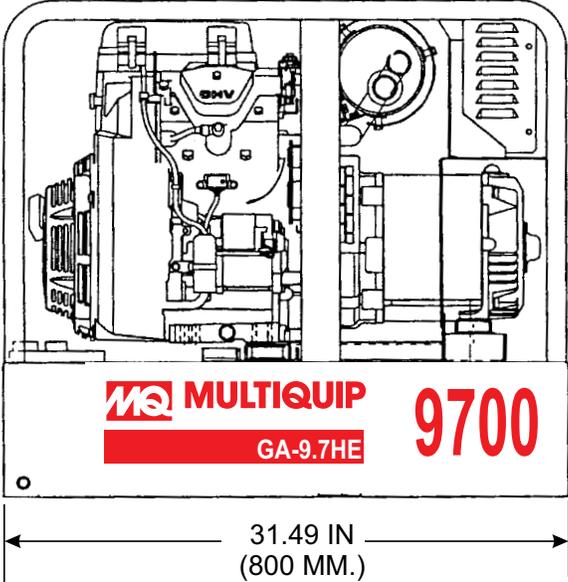


Figure 1. Dimensions

CONNECTING THE GROUND

The nut and ground terminal on the generator should always be used to connect the generator to a suitable ground. The ground cable should be #8 size wire minimum.

At the generator, connect the terminal of the ground cable between the lock washer and the nut (Figure 2) and tighten the nut fully. Connect the other end of the ground cable to a suitable earth ground (ground rod).

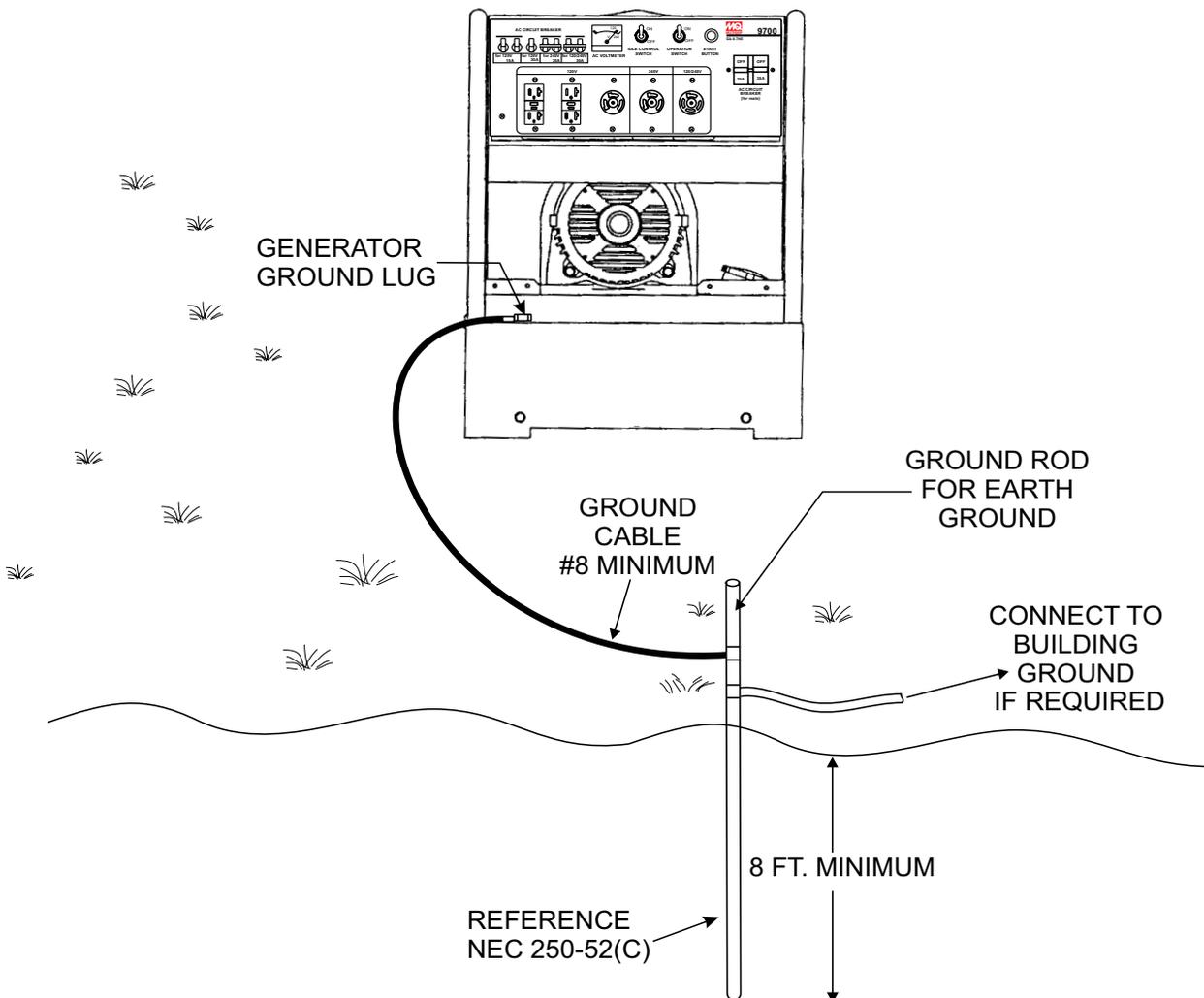


Figure 2. Generator Grounding

OUTDOOR INSTALLATION

If possible install the generator in a area that is free of debris, bystanders, and overhead obstructions. Make sure the generator is on secure level ground so that it cannot slide or shift around.

The installation site must be relatively free from moisture and dust. All electrical equipment should be protected from excessive moisture. Failure to do will result in deterioration of the insulation and will result in short circuits and grounding.

Foreign materials such as dust, sand, lint and abrasive materials have a tendency to cause excessive wear to engine and alternator parts.

 **WARNING**

 Pay close attention to ventilation when operating the generator inside tunnels and caves. The engine exhaust contains noxious elements. Engine exhaust must be routed to a ventilated area

INDOOR INSTALLATION

Exhaust gases from gas engines are extremely poisonous. Whenever an engine is installed indoors the exhaust fumes must be vented to the outside. The engine should be installed at least two feet from any outside wall. Using an exhaust pipe which is too long or too small can cause excessive back pressure which will cause the engine to heat excessively and possibly burn the valves.

PLACEMENT

The generator should always be placed on a flat level surface when it is running. **DO NOT** place the generator on slopes, the possibility exists that the generator could slide.

 **DANGER**

 An electric shock is apt to happen when vibrators are used. Pay close attention to handling when operating vibrators and always use rubber boots and gloves to insulate the body from a short circuit.

GENERATOR GROUNDING

To guard against electrical shock and possible damage to the equipment, it is important to provide a good **EARTH** ground.

Article 250 (Grounding) of the National Electrical Code (NEC) provides guide lines for proper grounding and specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

NEC articles 250-64(b) and 250-66 set the following grounding requirements:

1. Use one of the following wire types to connect the generator to earth ground.
 - a. Copper - 10 AWG (5.3 mm²) or larger.
 - b. Aluminum - 8 AWG (8.4 mm²) or larger.
2. When grounding the generator (Figure 2) connect the ground cable between the lock washer and the nut on the generator and tighten the nut fully. Connect the other end of the ground cable to earth ground.
3. NEC article 250-52(c) specifies that the earth ground rod should be buried a minimum of 8 ft. into the ground.

NOTICE

When connecting the generator to any buildings electrical system **ALWAYS** consult with a licensed electrician.

FAMILIARIZATION

Generator

The Multiquip GA9.7HE generator is designed as a portable dual purpose power source for 60 Hz (single phase) lighting facilities, power tools, submersible pumps and other industrial and construction machinery.

The generator is mounted on rubber vibration isolators that have a steel base backplate which is attached to the protective steel pipe carrying frame. The protective carrying frame is made of steel tubing and fully wraps around the generator to protect against damage. See Figures 3, and 4 for the basic controls and indicators for the GAC9.7HE generator.

This portable generator is supplied with a electrical control box. To reduce vibration caused by the engine, the control box is also placed on rubber isolators.

Control Box

The control box is provided with the following:

- 120/240V twist-lock output receptacle (single phase).
- 240V twist-lock receptacle (single phase).
- 120V GFCI single phase duplex output receptacles.
- 35 Amp Main Circuit Breaker (2-pole)
- Two 20 Amp GFCI Circuit Breakers (1-pole)
- 30 Amp Circuit Breaker (1-pole)
- 20 Amp Circuit Breaker (2-pole)
- 30 Amp Circuit Breaker (2-pole)
- AC Voltmeter
- Idle Control Switch
- Operation Switch
- Start Switch

DANGER

Before connecting this generator to any building's electrical system, a licensed electrician must install an isolation (transfer) switch.

Serious injury or death may result without this transfer switch.

COMPONENTS (GENERATOR)

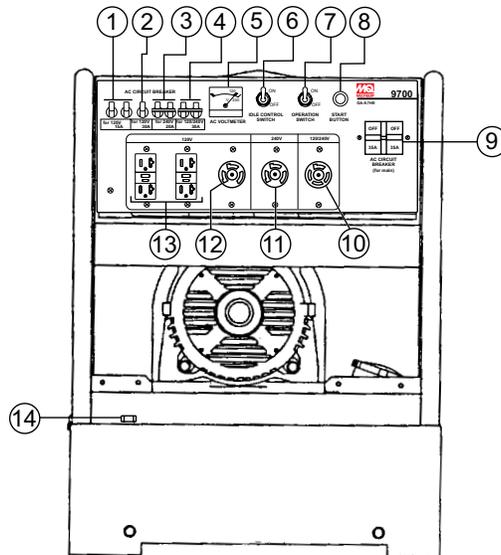


Figure 3. Generator Components

1. **GFCI Breakers (2)** – These single pole circuit breakers (120V, 15 amps) protect the GFCI receptacles. When starting the generator always have these circuit breakers placed in the "OFF" position.
2. **30 Amp Breaker** – Single pole 30 amp circuit breaker protects the 120V twist-lock receptacle. When starting the generator always have this circuit breaker placed in the "OFF" position.
3. **20 Amp Breaker** – 2-pole 20 amp circuit breaker protects the 240V twist-lock receptacle. When starting the generator always have this circuit breaker placed in the "OFF" position.
4. **30 Amp Breaker** – 2-pole 30 amp circuit breaker protects the 120/240V twist-lock receptacle. When starting the generator always have this circuit breaker placed in the "OFF" position.
5. **AC-Voltmeter** – This voltmeter indicates (with a mark) the rated 60 Hz (single-phase) output voltage. In addition the voltmeter can also be used as a diagnostic tool. If the voltmeter indicator (needle) is below the rated voltage, engine problems may exist (low/high RPM's). To prevent damage to the generator or power tools turn the generator **OFF** and consult your authorized Multiquip service dealer.
6. **Idle Control Switch** – The generator is provided with an automatic idle control device for noise suppression and reduced fuel consumption.

The automatic idle control automatically engages under a no-load condition. With the automatic idle control switched "ON", the engine revolutions will automatically drop to about 2600 rpm (low-speed operation) within 3 seconds after the load stops. When the operation is resumed, the engine speed is automatically increased to about 3600 rpm (high-speed operation) as soon as the load is connected.
7. **Operation Switch** – Place switch in the "ON" position (up) for normal operation. To turn-off the generator, place the operation switch in the "OFF" position (down).
8. **Start Button** – Press this pushbutton switch to start the generator.
9. **Main Breaker** – 2-pole 35 amp circuit breaker protects the generator from short circuiting or overloading. When starting the generator always have this circuit breaker placed in the "OFF" position.
10. **120/240V Output Receptacle** – NEMA L14-30R twist-lock receptacle will provide 120/240V, 30 amps, 60 Hz.
11. **240V Output Receptacle** – NEMA L6-20R twist-lock receptacle will provide 240V, 20 amps, 60 Hz.
12. **120V Output Receptacle** – NEMA L5-30R twist-lock receptacle will provide 120V, 30 amps, 60 Hz.
13. **GFCI Duplex Receptacle** – NEMA 5-20R, GFCI receptacle will provide 120V, 20 amps.
14. **Ground Lug** – This ground connection point should be connect to a good earth ground (ground rod).

COMPONENTS (GENERATOR)

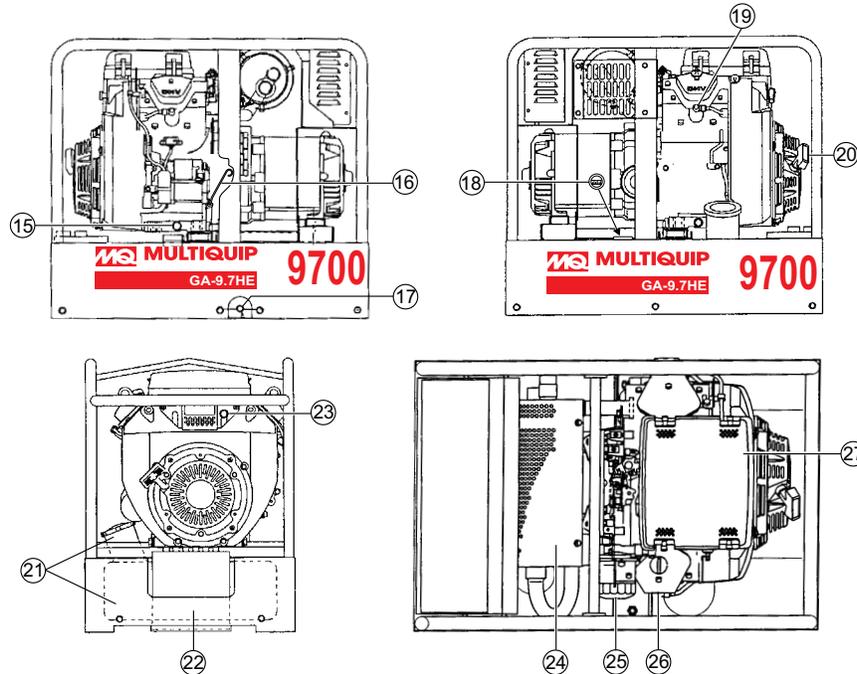


Figure 4. Generator Components (continued)

15. **Engine Oil Drain Plug** – Remove this drain plug when draining of the oil from the engine crankcase is required. Fill with recommended type oil as listed in Table 4
16. **Engine Oil Dipstick** – Remove oil dipstick to check engine oil level.
17. **Fuel Drain Plug** – Remove plug to drain fuel.
18. **Fuel Gauge** – This gauge is located on top of the fuel tank. Read this gauge to determine when fuel is low.
19. **Spark Plug** – Provides spark to the ignition system. Set spark plug gap to 0.6 - 0.7 mm (0.028 - 0.031 inch) Clean spark plug once a week.
20. **Recoil Starter (pull rope)** – Manual-starting method. Pull the starter grip until resistance is felt, then pull briskly and smoothly.
21. **Fuel Tank/Cap** – Remove fuel cap to add fresh unleaded fuel. Fuel tank capacity is 10 gallons (38 liters).
22. **Battery** – This generator is equipped with a 12 VDC battery. Replace with only recommended type battery.
23. **Choke Lever** – Used for starting the engine. Close the choke lever when starting a cold engine or in cold weather conditions. The choke enriches the fuel mixture. Open the choke lever if starting a warm engine or in warm weather conditions
24. **Muffler/Heat Shield** – Used to reduce noise and emissions. **NEVER** touch this heat shield when the generator/welder is in use. Always allow time for engine to cool before servicing.
25. **Oil Filter** – Replace oil filter as referenced in maintenance section of this manual.
26. **Engine Oil Filler Hole** – Remove cap when the adding of engine oil is required. See Table 4 for recommended type engine oil.
27. **Air Cleaner** – Prevents dirt and other debris from entering the fuel system. Release retaining clips on top of air filter cover to gain access to filter element. **NEVER** run the engine without an air cleaner.

NOTICE

This **HONDA** engine is equipped with a low oil shutdown capability. A built in sensor will automatically turn off the engine should the oil level fall below a safe operating condition. Make sure the generator is placed on level ground. Placing the generator on level ground will ensure that the low oil sensor will function properly.

GENERAL INSPECTION PRIOR TO OPERATION

Ground Power Tools

When using power tools or electrical equipment requiring AC power from the generator, make sure power tool cord has a ground pin or is double insulated as shown in Figure 5.

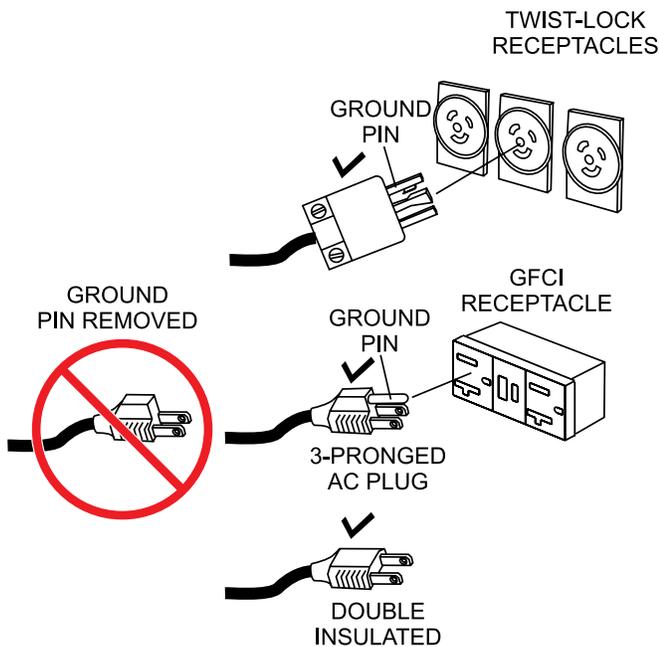


Figure 5. Ground Pin

NOTICE

Double-insulated power tools and small appliances have specially insulated housings that eliminate the need for a ground. These types of double-insulated power cords are designed so that no part of the device will be electrically live even if the internal insulation fails.

Extension Cable

When electric power is to be provided to various tools or loads at some distance from the generator, extension cords are normally used. Cables should be sized to allow for distance in length and amperage so that the voltage drop between the generator and point of use (load) is held to a minimum. Use the cable selection chart (Table 3) as a guide for selecting proper cable size.

! DANGER

NEVER use power tools or equipment that do not have a ground capability, the possibility exists of electrocution, electrical shock or burn, which can cause severe bodily harm or even **DEATH!**

Circuit Breakers

ALWAYS place the *main*, *auxiliary* and *GFCI* circuit breakers in the **OFF** position prior to starting the engine.

Table 3. Cable Selection (60 Hz, Single Phase Operation)

| Current In Amperes | Load In Watts | | Maximum Allowable Cable Length | | | |
|--------------------|---------------|-----------|--------------------------------|----------|----------|----------|
| | 120 Volts | 240 Volts | #10 Wire | #12 Wire | #14 Wire | #16 Wire |
| 2.5 | 300 | 600 | 1000 ft. | 600 ft. | 375 ft. | 250 ft. |
| 5 | 600 | 1200 | 500 ft. | 300 ft. | 200 ft. | 125 ft. |
| 7.5 | 900 | 1800 | 350 ft. | 200 ft. | 125 ft. | 100 ft. |
| 10 | 1200 | 2400 | 250 ft. | 150 ft. | 100 ft. | |
| 15 | 1800 | 3600 | 150 ft. | 100 ft. | 65 ft. | |
| 20 | 2400 | 4800 | 125 ft. | 75 ft. | 50 ft. | |

CAUTION: Equipment damage can result from low voltage.

Before Starting

1. Read safety instructions at the beginning of manual.
2. Clean the generator, removing dirt and dust, particularly the engine cooling air inlet, carburetor and air cleaner.
3. Check the air filter for dirt and dust. If air filter is dirty, replace air filter with a new one as required.
4. Check carburetor for external dirt and dust. Clean with dry compressed air.
5. Check fastening nuts and bolts for tightness

Engine Oil Check

1. To check the engine oil level, place the generator on secure level ground with the engine stopped.
2. Remove the dipstick from its holder (Figure 6) and wipe clean.

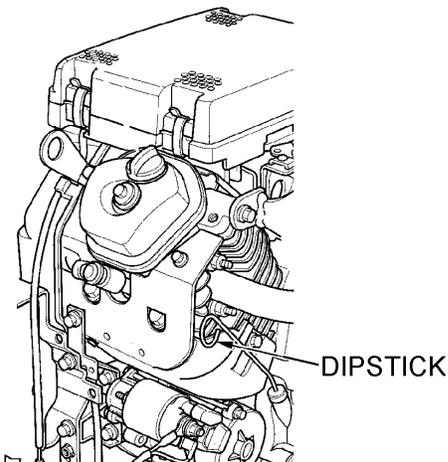


Figure 6. Engine Oil Dipstick Removal

3. Re-Insert dipstick (Figure 7), then remove dipstick from its holder. Check the oil level shown on the dipstick.

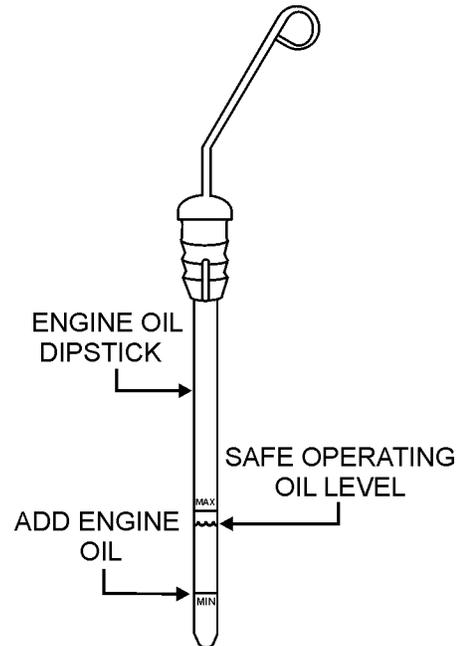


Figure 7. Engine Oil Dipstick

4. If the oil level is low, remove the oil filler cap (Figure 8) and fill to a safe operating level (max) as indicated by the dipstick. Fill with recommended type oil as listed in Table 4. Maximum oil capacity is 1.90 quarts (1.8 liters).

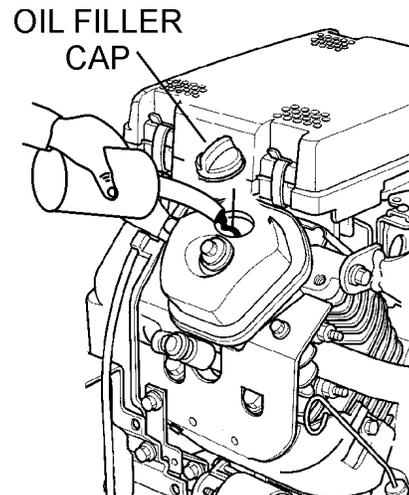


Figure 8. Engine Oil Filler Port

Table 4. Oil Type

| Season | Temperature | Oil Type |
|-------------|----------------|---------------|
| Summer | 25°C or Higher | SAE 10W-30 |
| Spring/Fall | 25°C~10°C | SAE 10W-30/20 |
| Winter | 0°C or Lower | SAE 10W-10 |

Fuel Check

1. Close the fuel cock before filling the fuel tank.
2. Remove the fuel cap located on top of fuel tank.
3. Read the fuel gauge located on top of the fuel tank (Figure 9) to determine if the fuel level is low. If fuel is low, replenish with clean unleaded fuel.

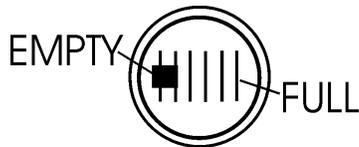


Figure 9. Fuel Gauge

4. When refueling, be sure to use a strainer for filtration. **DO NOT** top-off fuel. **DO NOT** fill the tank beyond capacity. Wipe up any spilled fuel *immediately!*

Battery Check

ALWAYS be sure the battery cables (Figure 10) are properly connected to the battery terminals as shown below. The **red cable** is connected to the positive terminal of the battery, and the **black cable** is connected to the negative terminal of the battery.

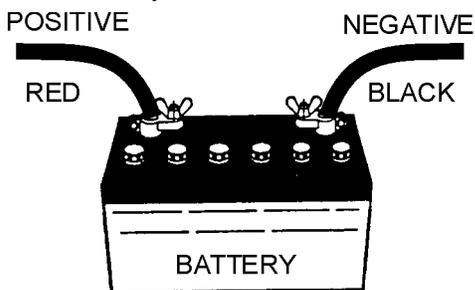


Figure 10. Battery Connections

OPERATION

This section is intended to assist the operator with the initial start-up of the portable generator. It is extremely important that this section be read carefully before attempting to use the generator in the field.

Before Starting the Engine

1. Be sure to disconnect all electrical loads from the generator prior to starting the engine.
2. **NEVER** start the engine with the main circuit breaker in the **ON** position. Always place circuit breaker (Figure 11) in the **OFF** position before starting.

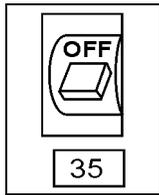


Figure 11. Main Circuit Breaker (OFF)

3. **NEVER** start the engine with the **GFCI** or **AUX.** circuit breakers in the **ON** position. Always place these circuit breakers (Figure 12) in the **OFF** position before starting the engine.

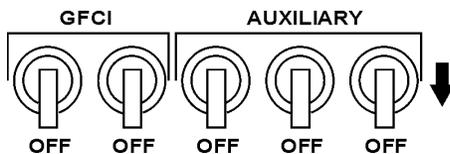


Figure 12. GFCI/AUX. Circuit Breakers (OFF)

Starting the Engine

4. Place the choke knob (Figure 13) in the **CLOSED** position if starting a cold engine.

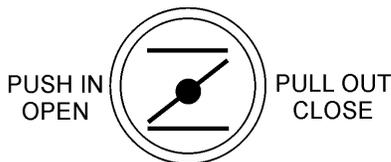


Figure 13. Choke Knob

5. Place the choke knob (Figure 13) in the **OPEN** position if starting a warm engine or the temperature is warm.

6. Place the generator's operation switch (Figure 14) in the **ON** position.

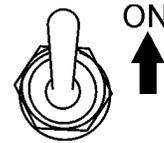


Figure 14. Operation Switch (ON)

7. Press the generator's pushbutton start switch (Figure 15) and listen for the engine to start. If the battery is not installed proceed to step 6.

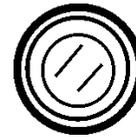


Figure 15. Start Pushbutton Switch

8. Grasp the starter grip (Figure 16) and slowly pull it out. The resistance becomes the hardest at a certain position, corresponding to the compression point. Pull the starter grip briskly and smoothly for starting.

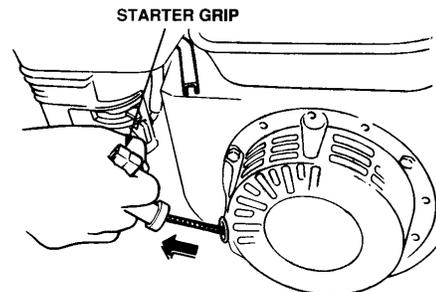


Figure 16. Starter Grip

NOTICE

DO NOT pull the starter rope all the way to the end.
DO NOT release the starter rope after pulling. Allow it to rewind as soon as possible..

9. If the engine has started, slowly return the choke lever (Figure 13) to the **OPEN** position. If the engine has not started repeat steps 1 through 8.
10. Before the generator is placed into operation, run the engine for 3-5 minutes. Check for abnormal smells, fuel leaks, and noises that would associate with lose components.

OPERATION

11. Place idle control switch (Figure 17) in the **OFF** (down) position. This will allow the engine speed to run at about 3600 RPM's.

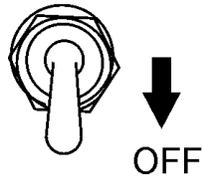


Figure 17. Idle Control Switch (OFF)

NOTICE

Placing the idle control switch in the **OFF** position (Figure 17) allows the engine to operate at a maximum speed of about 3600 RPM's.

When the idle control switch (Figure 18) is placed in the up position (**ON**), the generator will run at idle speed (2200 RPM's) until a load is applied, at that time the engine speed will increase to 3600 RPM's as long as a load is being applied.

When the load is not in use, the engine speed will drop back to the idle mode after about 3 seconds.

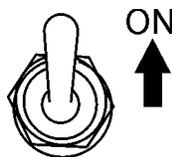


Figure 18. Idle Control switch (ON)

12. Place main circuit breaker (Figure 19) in the **ON** position.

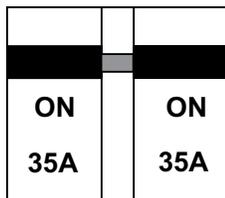


Figure 19. Main Circuit Breaker (ON)

13. Place **GFCI** and **AUX.** circuit breakers (Figure 20) in the **ON** position.

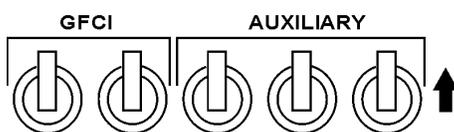


Figure 20. GFCI/AUX. Circuit Breakers (ON)

14. Read voltmeter on front panel of generator (Figure 21) and verify that 120 VAC is displayed. Using an external voltmeter as shown in Figure 21, verify that 120 VAC is present at the 120V twist-lock and GFCI duplex receptacles..

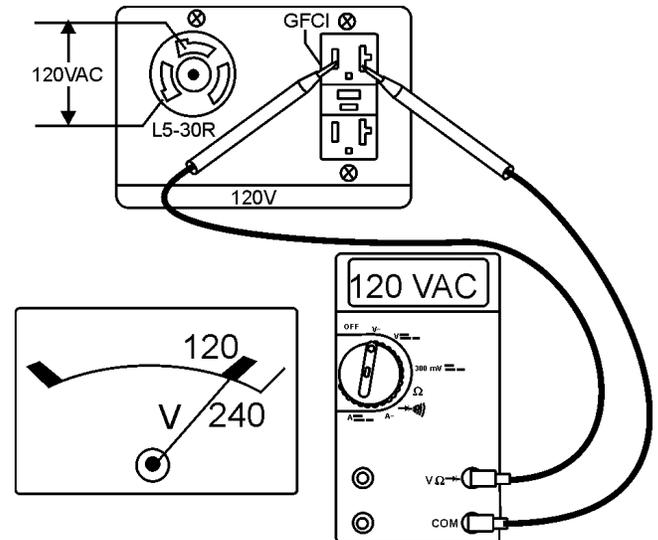


Figure 21. 120V GFCI/AUX. Receptacles

15. Read voltmeter on front panel of generator (Figure 22) and verify that 240 VAC is displayed. Using an external voltmeter as shown in Figure 22, verify that 240 VAC is present at the 240V twist-lock receptacle.

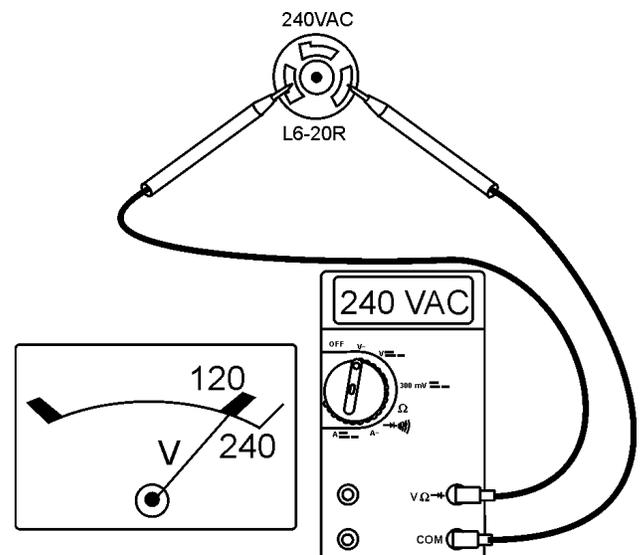


Figure 22. 240V Receptacle

OPERATION/SHUTDOWN

NOTICE

When using a combination of dual receptacles, total load should not exceed the rated capacity of the generator.

- The L14-30R receptacle is a dual voltage receptacle (120-240 volts). Reference Figures 23 and 24 to verify voltages at this receptacle.

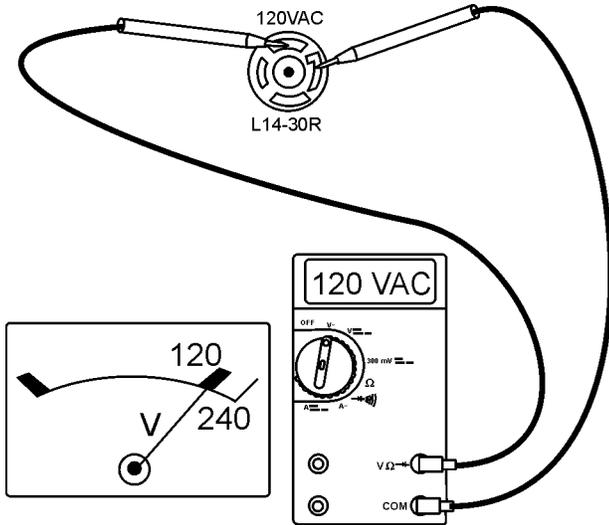


Figure 23. 120/240V Receptacle (120V)

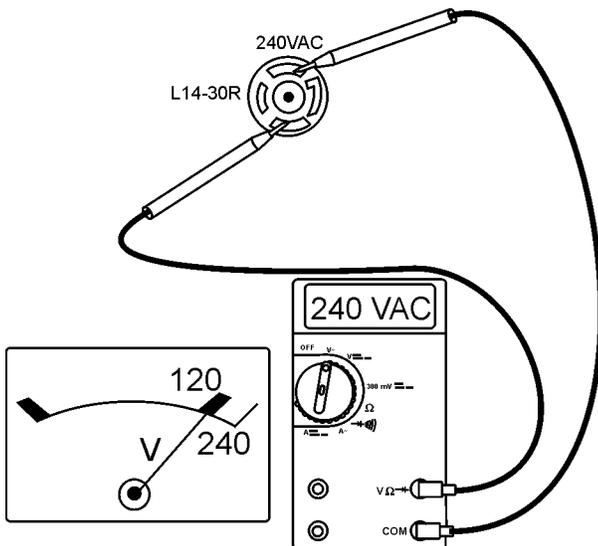


Figure 24. 120/240V Receptacle (240V)

- Connecting of loads (power tools, lighting ect.) to the generator receptacles can now be done.

Stopping the Engine (Normal Shutdown)

- Place **main** circuit breaker (Figure 25) in the **OFF** position.



Figure 25. Main Circuit Breaker (OFF)

- Place **GFCI** and **AUX.** circuit breakers (Figure 26) in the **OFF** position.

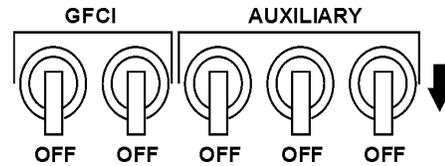


Figure 26. GFCI/AUX. Circuit Breakers (OFF)

- Place idle control switch (Figure 27) in the **OFF** position.

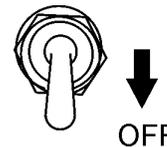


Figure 27. Idle Control switch (OFF)

- Let engine run at idle with no load for 2-3 minutes.
- To shut-down the engine, place the generator's operation switch (Figure 28) in the **OFF** position.

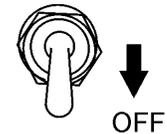


Figure 28. Operation Switch (OFF)

- Remove all loads from the generator.

Emergency Shutdown

- Place operation switch (Figure 28) in the **OFF** position.

PREPARATION FOR LONG TERM STORAGE

Generator Storage

For storage of the generating set for over 30 days, the following is required:

- Drain the fuel tank completely, or add STA-BIL to the fuel.
- Run the engine until the gasoline in the carburetor is completely consumed.
- Completely drain the oil from the crankcase and refill with fresh oil.
- Remove the spark plug, pour 2 or 3 cc of SAE 30 oil into the cylinder and crank slowly to distribute the oil.
- Slowly rotate the engine a few times with the starter rope and install a new plug.
- Pull out the starter rope slowly and stop at the compression point.
- Clean all external parts of the generating set with a cloth.
- Cover the generating set and store in a clean, dry place.

MAINTENANCE

Use Table 5 as a general maintenance guideline when servicing your engine. For more detail engine maintenance information, refer to the engine owner's manual supplied with your engine.

| Table 5. Engine Maintenance Schedule | | | | | | | |
|--------------------------------------|---------------------------|---|------------------------------|---------------------------------|---------------------------------|------------------------------|---------------------------------|
| DESCRIPTION (3) | OPERATION | BEFORE | FIRST MONTH OR 10 HRS. | EVERY 3 MONTHS OR 25 HRS. | EVERY 6 MONTHS OR 50 HRS. | EVERY YEAR OR 100 HRS. | EVERY 2 YEARS OR 200 HRS. |
| Engine Oil | CHECK | X | | | | | |
| | CHANGE | | | | | | |
| Air Cleaner | CHECK | X | X | | | | |
| | CHANGE | | | X (1) | | | |
| All Nuts & Bolts | RETIGHTEN IF NECESSARY | X | | | | | |
| Spark Plug | CHANGE | | | | X | | |
| | REPLACE | | | | | | X |
| Cooling Fins | CHECK | | | | X | | |
| Spark Arrester | CLEAN | | | | | X | |
| Fuel Tank | CLEAN | | | | | X | |
| Fuel Filter | CHECK | | | | | X | |
| Idle Speed | CHECK-ADJUST | | | | | X (2) | |
| Valve Clearance | CHECK-ADJUST | | | | | | X (2) |
| Fuel lines | CHECK | Every 2 years, replace if necessary (2) | | | | | |

(1) Service more frequently when used in **DUSTY** areas.

(2) These items should be serviced by your service dealer, unless you have the proper tools and are mechanically proficient. Refer to the HONDA Shop Manual for service procedures.

(3) For commercial use, log hours of operation to determine proper maintenance intervals.

Maintenance

Perform the scheduled maintenance procedures as defined by Table 5 and below:

Daily

- Thoroughly remove dirt and oil from the engine and control area. Clean or replace the air cleaner elements as necessary. Check and retighten all fasteners as necessary.

Weekly

- Remove the fuel filter cap and clean the inside of the fuel tank.
- Remove or clean the filter at the bottom of the tank.
- Remove and clean the spark plug (Figure 29), then adjust the spark gap to 0.024 ~0.028 inch (0.6~0.7 mm). This unit has electronic ignition, which requires no adjustments.

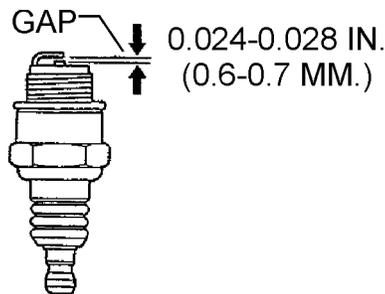


Figure 29. Spark Plug Gap

Engine Oil and Filter

1. Drain engine oil when the oil is warm as shown in Figure 30.
2. Remove oil drain bolt and sealing washer and allow engine oil to drain into a suitable container.

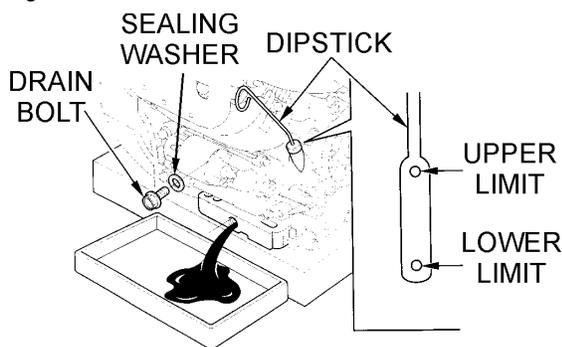


Figure 30. Draining Engine Oil

3. Use an oil filter socket tool and remove oil filter as shown in Figure 31

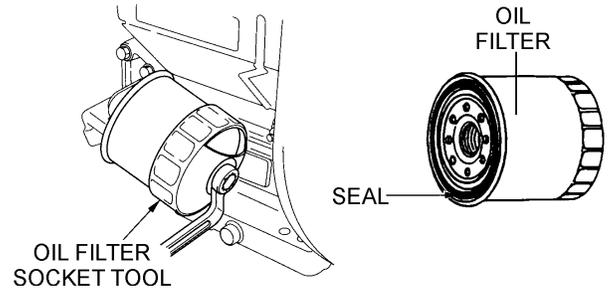


Figure 31. Oil Filter Removal

4. Clean oil filter mounting base, and coat oil filter seal (Figure 31) with clean engine oil.
5. Screw on new oil filter by hand until seal contacts the filter mounting base. Using an oil filter socket tool, tighten filter and additional 7/8-inch turn. Tighten filter to 16ft-lbs. (22 N·m).
6. Install drain bolt with sealing washer and tighten securely.
7. Replace engine oil with recommended type oil as listed in Table 4. For engine oil capacity, see Table 2 (engine specifications). Fill to upper limit as shown in Figure 30.

Engine Air Cleaner

! DANGER

DO NOT use gasoline as a cleaning solvent, the possibility exists of fire or explosion which can cause damage to the equipment and severe bodily harm or even **DEATH!**



1. Remove the air cleaner cover and foam filter element as shown in Figure 32.
2. Tap the paper filter element (Figure 32) several times on a hard surface to remove dirt, or blow compressed air [not exceeding 30 psi (207 kPa, 2.1 kgf/cm²)] through the filter element from the air cleaner case side. **NEVER** brush off dirt. Brushing will force dirt into the fibers. Replace the paper filter element if it is excessively dirty.
3. Clean foam element in warm, soapy water or nonflammable solvent. Rinse and dry thoroughly. Dip the element in clean engine oil and completely squeeze out the excess oil from the element before installing.

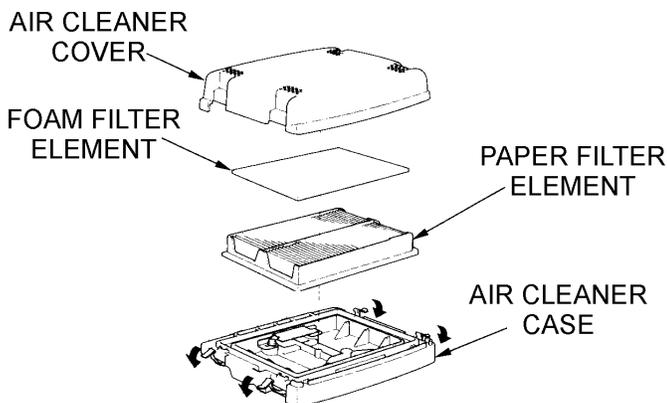
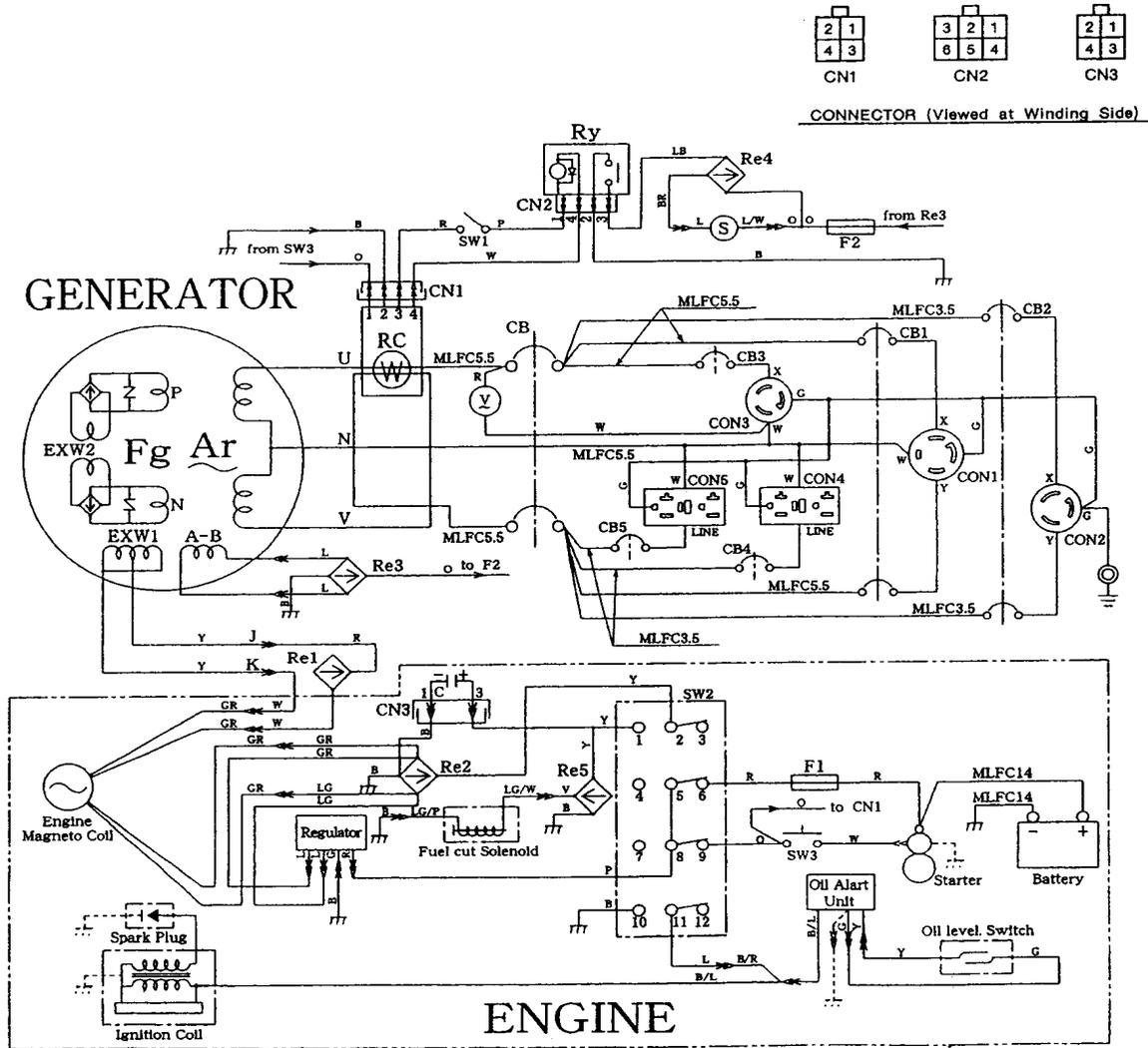


Figure 32. Engine Air Cleaner

GENERATOR WIRING DIGRAM



| SYMBOL | PART NAME |
|--------|------------------------|
| Ar | Armature Winding |
| Fg | Field Winding |
| EXW1-2 | Excitation Winding |
| V | AC Voltmeter (120/240) |
| Re1-5 | Rectifier |
| CON1 | Receptacle L14-30R |
| CON2 | Receptacle L6-20R |
| CON3 | Receptacle L5-30R |
| CON4-5 | Receptacle 5-20R |
| CB | UPM-2 35A |
| CB1 | CP-32E/30N 30A |
| CB2 | CP-32E/20N 20A |
| CB3 | CP31E/30N 30A |
| CB4-5 | CP-31E/15N 20A |
| SW1 | Idle Control Switch |
| SW2 | Operation Switch |
| SW3 | Starter Switch |
| RC | Idle Control Device |
| S | Idle Control Solenoid |
| RY | Relay |
| F1-F2 | Fuse |
| C | Capacitor |

| Wiring Color Code | | | |
|-------------------|--------|--------|-------------|
| Symbol | Color | Symbol | Color |
| B | BLACK | R | RED |
| L | BLUE | W | WHITE |
| BR | BROWN | Y | YELLOW |
| G | GREEN | LB | LIGHT BLUE |
| GR | GRAY | LG | LIGHT GREEN |
| V | VIOLET | O | ORANGE |
| P | PINK | | |

Figure 33. Generator Wiring Diagram (GAC9.7HZ)

TROUBLESHOOTING (ENGINE)

Table 6. Engine Troubleshooting

| Symptom | Possible Cause | Solution |
|--|---|--|
| Difficult to start. Fuel is available but no SPARK at spark plug. | Spark plug bridging? | Check gap, insulation or replace spark plug. |
| | Carbon deposit on spark plug? | Clean or replace spark plug. |
| | Short circuit due to deficient spark plug insulation? | Check spark plug insulation. Replace if worn. |
| | Improper spark plug gap? | Set to proper gap. |
| Difficult to start. Fuel is available and SPARK is present at the spark plug. | ON/OFF switch is shorted? | Check switch wiring. Replace switch. |
| | Ignition coil defective? | Replace ignition coil. |
| | Improper spark gap, points dirty? | Set correct spark gap and clean points. |
| | Condenser insulation worn or short circuiting? | Replace condenser. |
| | Spark plug wire broken or short circuiting? | Replace defective spark plug wiring. |
| Difficult to start. Fuel is available, SPARK is present at the spark plug and compression is normal. | Wrong fuel type? | Flush fuel system and replace with correct type of fuel. |
| | Water or dust in fuel system? | Flush fuel system. |
| | Air cleaner dirty? | Clean or replace air cleaner. |
| Difficult to start. Fuel is available, SPARK is present at the spark plug and compression is low. | Suction/exhaust valve stuck or protruded? | Reseat valves. |
| | Piston ring and/or cylinder worn? | Replace piston rings or piston. |
| | Cylinder head and/or spark plug not tightened properly? | Torque cylinder head bolts and spark plug. |
| | Head gasket and/or spark plug gasket damaged? | Replace head and spark plug gaskets. |
| No fuel present at carburetor. | Fuel not available in fuel tank? | Fill with correct type of fuel. |
| | Fuel cock does not open properly? | Apply lubricant to loosen fuel cock lever. Replace if necessary. |
| | Fuel filter clogged? | Replace fuel filter. |
| | Fuel tank cap breather hole clogged? | Clean or replace fuel tank cap. |
| | Air in fuel line? | Bleed fuel line |
| Weak in power. Compression is proper and does not misfire. | Air cleaner dirty? | Clean or replace air cleaner. |
| | Improper level in carburetor? | Check float adjustment. Rebuild carburetor. |
| | Defective spark plug? | Clean or replace spark plug. |

TROUBLESHOOTING (ENGINE)

Table 6. Engine Troubleshooting (Continued)

| Symptom | Possible Cause | Solution |
|--|--|--|
| Weak in power. Compression is proper but misfires. | Water in fuel system? | Flush fuel system and replace with correct type of fuel. |
| | Dirty spark plug? | Clean or replace spark plug |
| | Ignition coil defective? | Replace ignition coil. |
| Engine overheats. | Spark plug heat value improper? | Replace with correct type of spark plug. |
| | Incorrect type of fuel? | Replace with correct type of fuel. |
| | Cooling fins dirty? | Clean cooling fins. |
| Rotational speed fluctuates. | Governor adjusted correctly? | Adjust governor |
| | Governor spring defective? | Replace governor spring. |
| | Fuel flow restricted? | Check entire fuel system for leaks or clogs. |
| Recoil starter malfunction. | Recoil mechanism clogged with dust and dirt? | Clean recoil assembly with soap and water. |
| | Spiral spring loose? | Replace spiral spring. |

TROUBLESHOOTING (GENERATOR)

Table 7. Generator Troubleshooting

| Symptom | Possible Problem | Solution |
|---|--|--|
| Low voltage | Engine speed too low? | Raise engine speed to rated RPM. |
| Low voltage. Engine speed normal 3650 RPM (unloaded), 2500 RPM (idle) | AC voltmeter not working? | Replace Ac voltmeter. |
| | Control box internal wiring malfunction? | Check control box wiring. |
| | Defective ignition coil? | Check red and green ignition wires. Replace ignition wires if necessary. |
| | Rotor winding malfunction? | Check or replace rotor. |
| | Stator winding malfunction? | Check or replace stator. |
| | Leakage breaker malfunction? | Check or replace CB1. |
| | Full power switch malfunction? | Check full power switch and full power switch circuit. |
| Voltage output too high. | Engine speed too high? | Lower engine speed to rated RPM. |
| Voltage output too high. Engine speed normal 3650 RPM (unloaded), 2500 RPM (idle) | Control box internal wiring malfunction | Check control box wiring. |
| Circuit breaker will not turn on "NO LOAD" | Defective circuit breaker? | Replace circuit breaker. |
| Circuit breaker will turn on "LOADED" but trips immediately. | Overload Condition? | Reduce load or replace breaker. |
| | Load circuit is shorted? | Check load circuit for short. |
| Does not accelerate from low to high "NO LOAD" | Stuck solenoid? | Check solenoid. |
| | Bad Idle control switch? | Check or replace idle control switch. |
| Does not accelerate from low to high "LOAD ACTIVE" | Idle control switch malfunction? | Check or replace idle control switch. |
| | Idle control device malfunction? | Check or replace idle control device. |
| | Control box internal wiring defective? | Check control box wiring. |
| Does not decelerate no "VOLTAGE OUTPUT". | Defective rotor windings? | Check or replace rotor. |
| | Defective solenoid? | Check or replace solenoid. |
| | Defective idle control device? | Check or replace idle control device. |
| | Defective solenoid? | Check or replace idle control device. |
| Does not decelerate but has "VOLTAGE OUTPUT". | Control box wiring malfunction? | Check control box wiring, replace any defective components. |
| | Defective solenoid? | Check or replace solenoid. |
| | Idle control device malfunction? | Check or replace idle control device. |

EXPLANATION OF CODE IN REMARKS COLUMN

The following section explains the different symbols and remarks used in the Parts section of this manual. Use the help numbers found on the back page of the manual if there are any questions.

NOTICE

The contents and part numbers listed in the parts section are subject to change **without notice**. Multiquip does not guarantee the availability of the parts listed.

SAMPLE PARTS LIST

| NO. | PART NO. | PART NAME | QTY. | REMARKS |
|-----|----------|----------------------|------|---------------------|
| 1 | 12345 | BOLT | 1 | INCLUDES ITEMS W/% |
| 2% | | WASHER, 1/4 IN. | | NOT SOLD SEPARATELY |
| 2% | 12347 | WASHER, 3/8 IN. ... | 1 | MQ-45T ONLY |
| 3 | 12348 | HOSE | A/R | MAKE LOCALLY |
| 4 | 12349 | BEARING | 1 | S/N 2345B AND ABOVE |

NO. Column

Unique Symbols — All items with same unique symbol

(@, #, +, %, or >) in the number column belong to the same assembly or kit, which is indicated by a note in the “Remarks” column.

Duplicate Item Numbers — Duplicate numbers indicate multiple part numbers, which are in effect for the same general item, such as different size saw blade guards in use or a part that has been updated on newer versions of the same machine.

NOTICE

When ordering a part that has more than one item number listed, check the remarks column for help in determining the proper part to order.

PART NO. Column

Numbers Used — Part numbers can be indicated by a number, a blank entry, or TBD.

TBD (To Be Determined) is generally used to show a part that has not been assigned a formal part number at the time of publication.

A blank entry generally indicates that the item is not sold separately or is not sold by Multiquip. Other entries will be clarified in the “Remarks” Column.

QTY. Column

Numbers Used — Item quantity can be indicated by a number, a blank entry, or A/R.

A/R (As Required) is generally used for hoses or other parts that are sold in bulk and cut to length.

A blank entry generally indicates that the item is not sold separately. Other entries will be clarified in the “Remarks” Column.

REMARKS Column

Some of the most common notes found in the “Remarks” Column are listed below. Other additional notes needed to describe the item can also be shown.

Assembly/Kit — All items on the parts list with the same unique symbol will be included when this item is purchased.

Indicated by:

“INCLUDES ITEMS W/(unique symbol)”

Serial Number Break — Used to list an effective serial number range where a particular part is used.

Indicated by:

“S/N XXXXX AND BELOW”

“S/N XXXX AND ABOVE”

“S/N XXXX TO S/N XXX”

Specific Model Number Use — Indicates that the part is used only with the specific model number or model number variant listed. It can also be used to show a part is NOT used on a specific model or model number variant.

Indicated by:

“XXXXX ONLY”

“NOT USED ON XXXX”

“Make/Obtain Locally” — Indicates that the part can be purchased at any hardware shop or made out of available items. Examples include battery cables, shims, and certain washers and nuts.

“Not Sold Separately” — Indicates that an item cannot be purchased as a separate item and is either part of an assembly/kit that can be purchased, or is not available for sale through Multiquip.

SUGGESTED SPARE PARTS

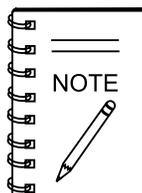
GA9.7HE PORTABLE 60 HZ GENERATOR WITH HONDA GX610K1VD/GX610U1VD GASOLINE ENGINES

1 to 3 units

| Qty. | P/N | Description |
|------|-------------------|--|
| 4 |0602201356 |REGULATOR |
| 4 |0601823754 |RELAY |
| 2 |0601812529 |RECEPTABLE L14-30R |
| 1 |0601811032 |RECEPTACLE, L6-20R |
| 2 |0601811035 |RECEPTACLE, L5-30R |
| 1 |0601812598 |RECEPTACLE, 5-20R S/N 5609992 AND BELOW |
| 1 |0601814013 |RECEPTACLE, 5-20R S/N 5609993 AND ABOVE |
| 1 |0601807459 |CIRCUIT BREAKER, 2P, 35A |
| 1 |0601806425 |CIRCUIT BREAKER, 2P, 30A |
| 1 |0601806036 |CIRCUIT BREAKER, 2P, 20A |
| 4 |0601806424 |CIRCUIT BREAKER, 1P, 30A |
| 1 |0601806423 |CIRCUIT BREAKER, 1P, 20A |
| 1 |0601830771 |IDLE CONTROL SWITCH |
| 1 |0601830799 |OPERATION SWITCH |
| 1 |0602100102 |START SWITCH |
| 2 |0601802137 |FUSE |
| 2 |A9924800104 |CAP FUEL STRAINER, (FUEL TANK) |
| 2 |16910ZE8015 |FILTER COMP FUEL, (FUEL PUMP) |
| 1 |0602125032 |GAUGE FUEL |
| 2 |0805083204 |SUSPENSION RUBBER |
| 2 |7605419004A |SUSPENSION RUBBER |
| 3 |9807952876 |SPARK PLUG, (BPR5ES-NKG) |
| 3 |154000ZJ100 |CARTRIDGE FILTER, OIL |
| 1 | ◆.....35480ZJ1841 |SWITCH ASSY., OIL LEVEL |
| 1 | ◇.....35480ZJ1841 |SWITCH ASSY., OIL LEVEL, USE UP TO S.N 1068428 |
| 1 | ◇.....35480ZJ1842 |SWITCH ASSY., OIL LEVEL, USE FROM S/N 1068429 |
| 1 | ◆.....16100ZJ0881 |CARBURETOR ASSY. (BG21N A), USE UP TO S/N 2014887 |
| 1 | ◆.....16100ZJ0911 |CARBURETOR ASSY. (BG21Q A), USE FROM S/N 2014888 |
| 1 | ◇.....16100ZJ0911 |CARBURETOR ASSY. (BG21Q A), USE UP TO S/N 1006893 |
| 1 | ◇.....16100ZJ0912 |CARBURETOR ASSY. (BG21Q B), USE FROM S/N 1006894 |
| 1 | ◆.....17210ZJ1841 |ELEMENT COMP., AIR CLEANER, USE UP TO S/N 2017952 |
| 1 | ◆.....17210ZJ1842 |ELEMENT COMP., AIR CLEANER, USE FROM S/N 2017953 |
| 1 | ◇.....17210ZJ1842 |ELEMENT COMP., AIR CLEANER |
| 2 |28462ZE3W01 |ROPE, RECOIL |

NOTICE

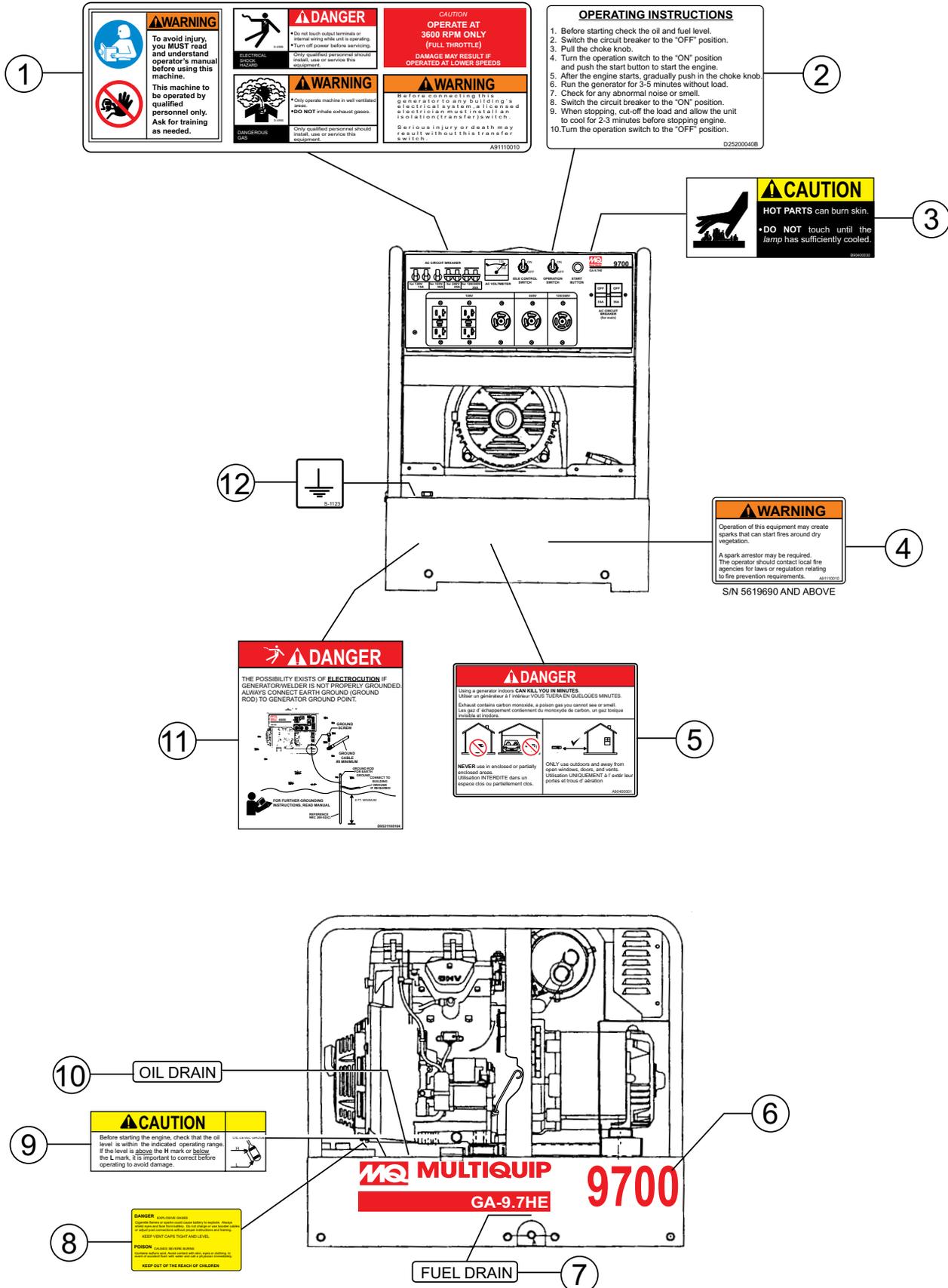
Part numbers on this Suggested Spare Parts list may supersede/replace the part numbers shown in the following parts lists.



◆GX610K1VD: Model GA9.7HE DEC. 2003 AND BELOW

◇GX610U1VD: Model GA9.7HE APRIL 2008 AND ABOVE

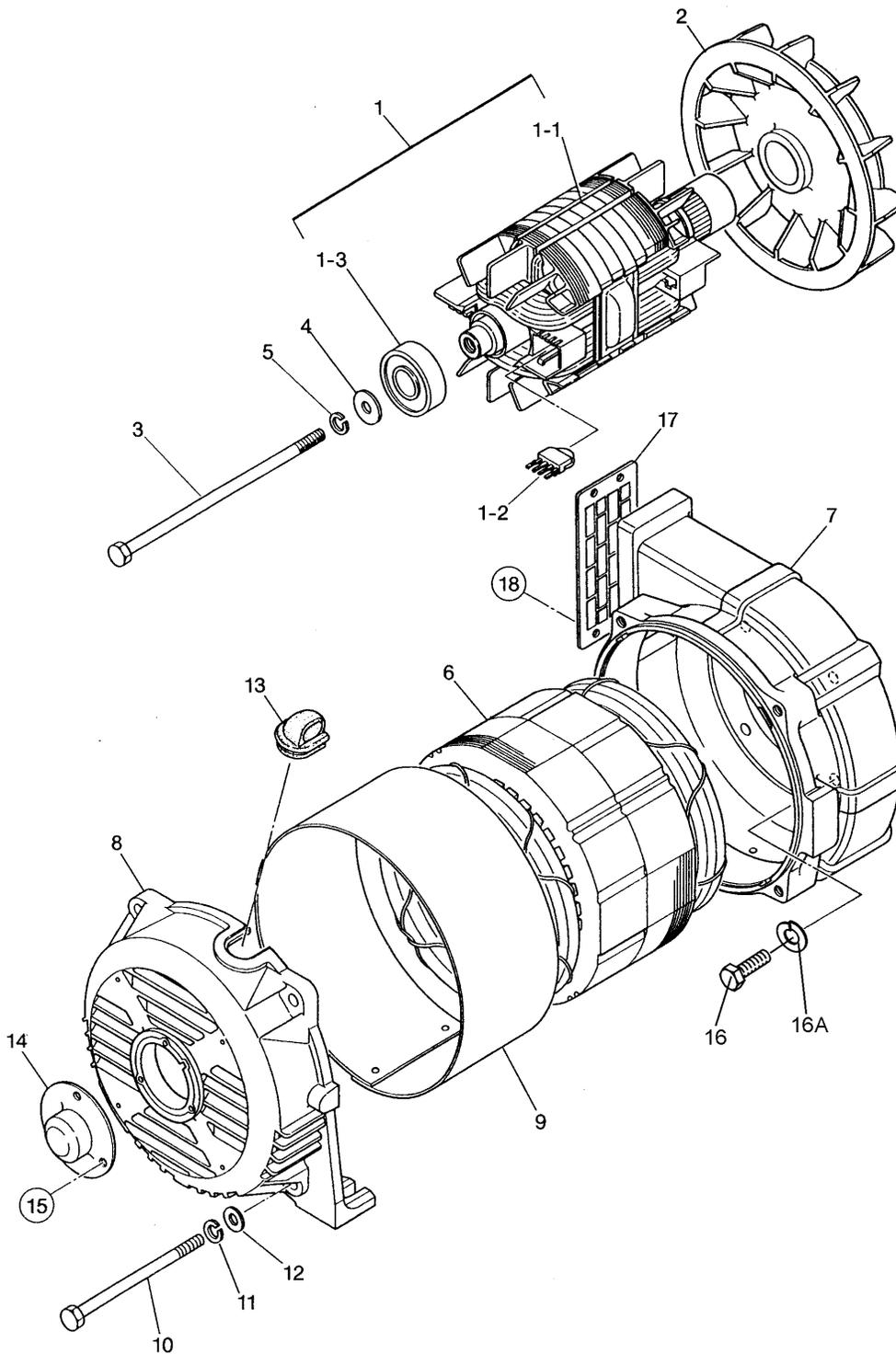
GA9.7HE— NAMEPLATE AND DECALS ASSY.



GA9.7HE— NAMEPLATE AND DECALS ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u> | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|------------------------------------|-------------|-----------------------|
| 1 | A9511100103 | DECAL; WARNING/DANGER..... | 1..... | A91110010 |
| 2 | D2552000404 | DECAL; OPERATING INSTRUCTIONS..... | 1..... | D25200040B |
| 3 | B9504000304 | DECAL; CAUTION HOT PARTS | 1..... | B90400030 |
| 4 | M9504200004 | DECAL; WARNING START FIRES | 1..... | S/N 5619690 AND ABOVE |
| | | | | M90420000 |
| 5 | A9504000014 | DECAL; DANGER, EXHAUST GASES..... | 1..... | A90400001 |
| 6 | A6561000003 | DECAL; MQ LOGO 9700 STRIPE..... | 2..... | A66100000 |
| 7 | 7810680104 | DECAL; FUEL DRAIN..... | 1..... | S-3060 |
| 8 | 0820650604 | DECAL; DANGER, EXPLOSIVE GASES | 1 | |
| 9 | 8700611524 | DECAL; CAUTION OIL LEVEL GAUGE | 1 | S-4926B |
| 10 | 1630645004 | DECAL; OIL DRAIN | 1..... | S-1403 |
| 11 | D9531100104 | DECAL; DANGER, ELECTROCUTION | 1..... | D93110010 |
| 12 | 0800628504 | DECAL; GROUND | 1..... | S-1123 |

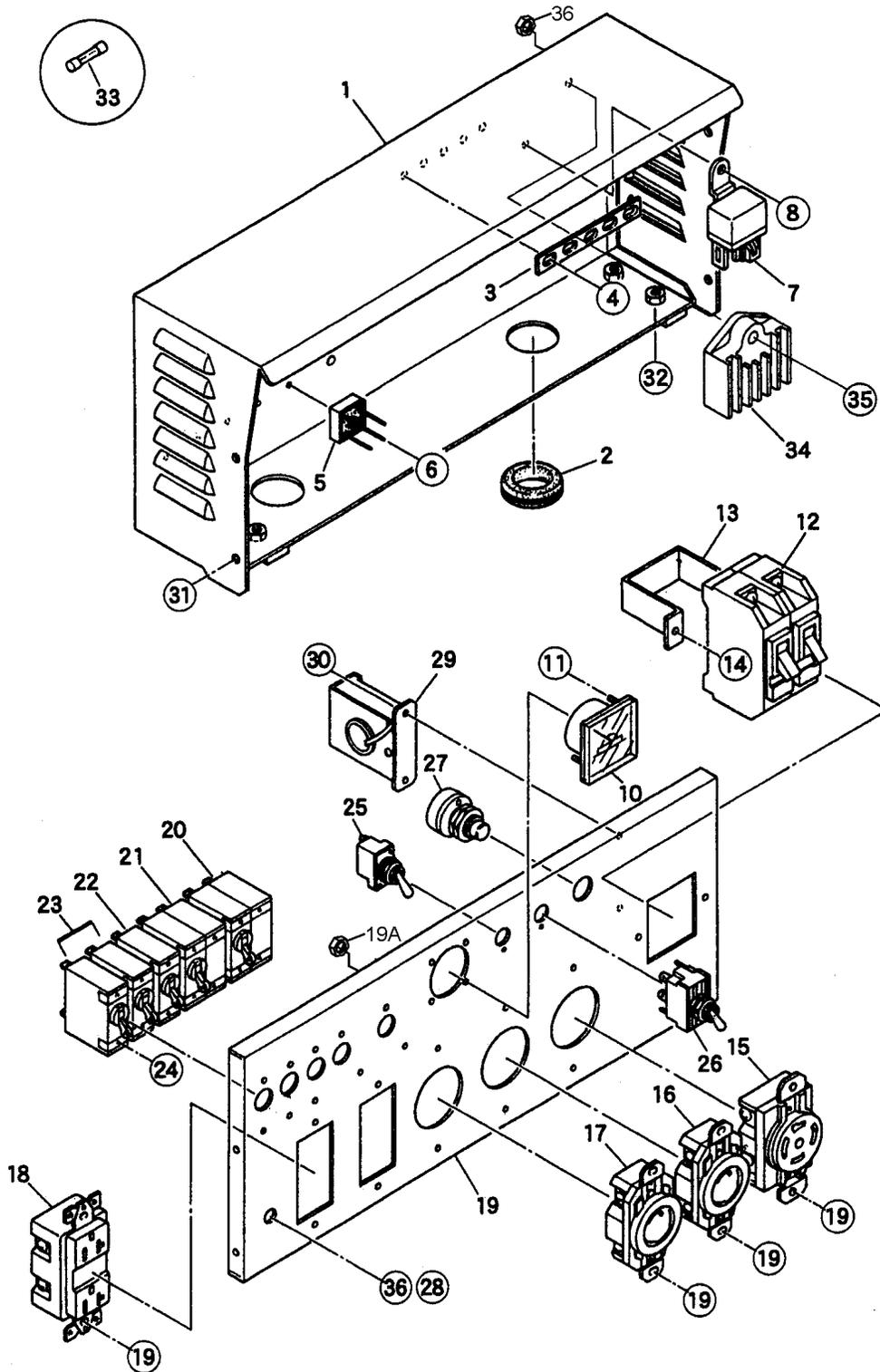
GA9.7HE — GENERATOR ASSY.



GA9.7HE — GENERATOR ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u> | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|---------------------|-------------|-------------------------|
| 1 | A6110200103 | ROTOR ASSY..... | 1..... | INCLUDES ITEMS W/# |
| 1-1# | | FIELD ASSY..... | 1..... | NOT SOLD SEPERATELY |
| 1-2# | 7921025004 | RECTIFIER | 2 | |
| 1-3# | 0071206304 | BEARING..... | 1..... | REPLACES 0071206304 |
| 2 | A6113100004 | FAN | 1 | |
| 3 | A6113400004 | SET BOLT, ROTOR | 1 | |
| 4 | 0801086104 | SET WASHER BEARING | 1 | |
| 5 | 0040010000 | WASHER, LOCK | 1 | |
| 6 | A6136000103 | ARMATURE ASSY. | 1 | |
| 7 | A6155100102 | END BRACKET | 1 | |
| 8 | A6155000002 | END BRACKET | 1 | |
| 9 | A6133300003 | COVER, STATOR | 1 | |
| 10 | A6133500004 | SET BOLT, STATOR | 4 | |
| 11 | 0040008000 | WASHER, LOCK | 4 | |
| 12 | 0401450080 | WASHER, FLAT | 4..... | REPLACES P/N 0041208000 |
| 13 | 7871329514 | GROMMET | 1 | |
| 14 | A6155400104 | COVER, BEARING | 1 | |
| 15 | 0027105012 | MACHINE SCREW | 3 | |
| 16 | 011008020 | HEX, HEAD BOLT..... | 4..... | REPLACES P/N 0010108020 |
| 16A | 0040008000 | WASHER, LOCK | 4 | |
| 17 | A6155400204 | COVER | 1 | |
| 18 | 0052205008 | RIVET | 4 | |

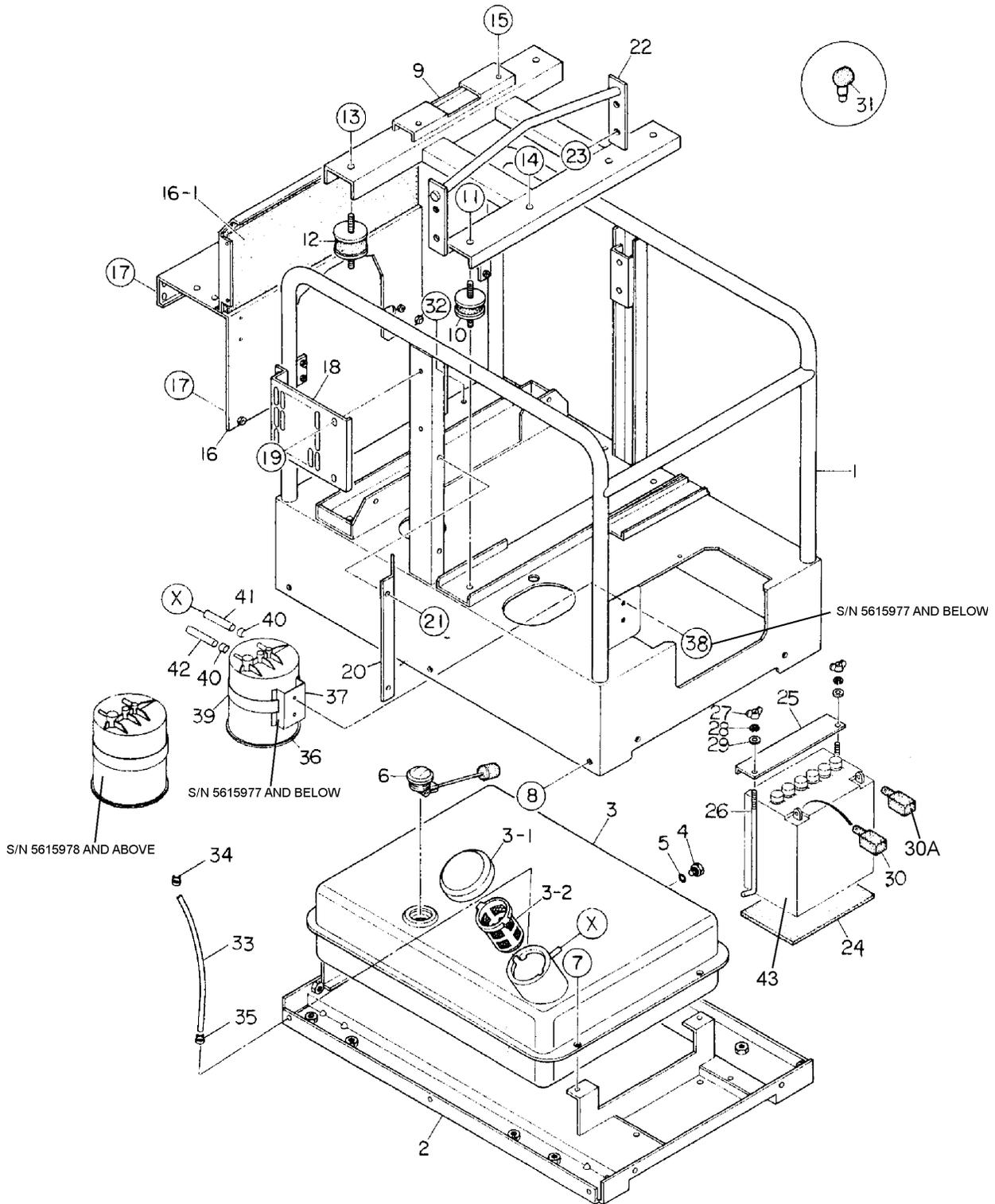
GA9.7HE — CONTROL BOX ASSY.



GA9.7HE — CONTROL BOX ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u> | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|---|-------------|-------------------------|
| 1 | A6215000113 | CONTROL BOX | 1 | |
| 2 | 0601850102 | GROMMET | 2 | |
| 3 | W8511864604 | TERMINAL PLATE | 1 | |
| 4 | 0016906020 | HEX, HEAD BOLT | 5 | |
| 5 | 0601823204 | RECTIFIER | 5 | |
| 6 | 0027103020 | MACHINE SCREW | 5 | |
| 7 | 0601823754 | RELAY, DC12V | 1 | |
| 8 | 0027105016 | MACHINE SCREW | 1 | |
| 9 | A6225000103 | CONTROL PANEL | 1 | |
| 10 | 0601606819 | AC VOLTMETER, 120/240V | 1 | REPLACES P/N 0601800258 |
| 11 | 0207003000 | HEX. NUT | 2 | |
| 12 | 0601807459 | CIRCUIT BREAKER 2P, 265V @ 35A | 1 | |
| 13 | W4341817004 | BRACKET, CIRCUIT BREAKER | 1 | |
| 14 | 0027404010 | MACHINE SCREW | 2 | |
| 15 | 0601812529 | RECEPTACLE, L14-30R 125/250V, 30A | 1 | |
| 16 | 0601811032 | RECEPTACLE, L6-20R 250V, 20A | 1 | |
| 17 | 0601811035 | RECEPTACLE, L5-30R125V, 30A | 1 | |
| 18 | 0601812598 | RECEPTACLE, 5-20R GF53OEM 120V, 20A | 2 | S/N 5609992 AND BELOW |
| 18 | 0601814013 | RECEPTACLE, 5-20R GF20LA 120V, 20A..... | 2 | S/N 5609993 AND ABOVE |
| 19 | 0021004010 | MACHINE SCREW | 10 | |
| 19A | OEMAA8 | HEX. NUT | 1 | REPLACES P/N 0207004000 |
| 20 | 0601806425 | CIRCUIT BREAKER 2P, 250V @ 30A | 1 | |
| 21 | 0601806036 | CIRCUIT BREAKER 2P, 250V @ 20A | 1 | |
| 22 | 0601806424 | CIRCUIT BREAKER 1P, 250V @ 30A | 1 | |
| 23 | 0601806423 | CIRCUIT BREAKER 1P, 250V @ 20A | 2 | |
| 24 | 0027103005 | MACHINE SCREW | 10 | |
| 25 | 0601830727 | IDLE CONTROL SWITCH | 1 | |
| 26 | 0601830799 | OPERATION SWITCH | 1 | |
| 27 | 0601830771 | START SWITCH | 1 | |
| 28 | 0021004015 | MACHINE SCREW | 2 | |
| 29 | 0601823853 | IDLE CONTROL DEVICE | 1 | |
| 30 | 0021004015 | MACHINE SCREW | 2 | |
| 31 | 0017105012 | HEX. HEAD BOLT | 4 | |
| 32 | 0016906020 | HEX. HEAD BOLT | 4 | |
| 33 | 0601802137 | FUSE, 10A @ 250V | 2 | |
| 34 | 0602201356 | REGULATOR, 14.5V | 1 | |
| 35 | 0027106020 | MACHINE SCREW | 1 | |
| 36 | OEMAA8 | HEX. NUT | 1 | REPLACES P/N 0207004000 |

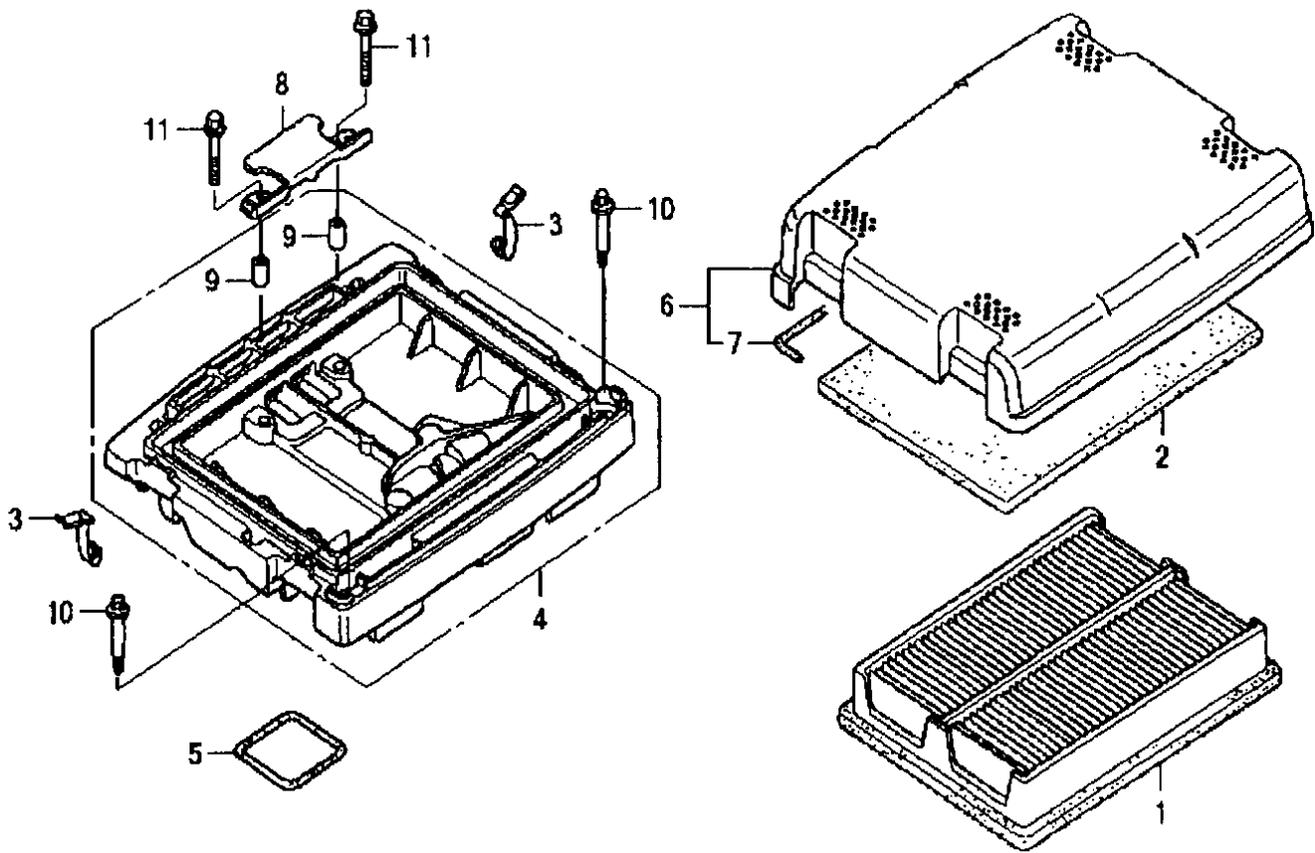
GA9.7HE — PIPE FRAME ASSY.



GA9.7HE — PIPE FRAME ASSY.

| NO. | PART NO. | PART NAME | QTY. | REMARKS |
|------|-------------|--------------------------|------|-------------------------|
| 1 | A641700002 | PIPE FRAME | 1 | S/N 5615977 AND BELOW |
| 1 | A641700012 | PIPE FRAME | 1 | S/N 5615978-5617959 |
| 1 | A641700022 | PIPE FRAME | 1 | S/N 5617960 AND ABOVE |
| 2 | A6414100003 | FLOOR PANEL | 1 | S/N 5615977 AND BELOW |
| 2 | A6414100013 | FLOOR PANEL | 1 | S/N 5615978 AND ABOVE |
| 3 | A6364000002 | FUEL TANK | 1 | INCLUDES ITEM W/# |
| 3-1# | A9924800104 | CAP, FUEL TANK/STRAINER | 1 | |
| 3-2# | 0605505120 | FUEL FILTER | 1 | |
| 4 | 3015530004 | DRAIN PLUG | 1 | |
| 5 | 0150200011 | O-RING | 1 | |
| 6 | 0602125032 | FUEL GAUGE | 1 | |
| 7 | 011008020 | HEX. HEAD BOLT | 4 | REPLACES 0017108020 |
| 8 | 011008020 | HEX. HEAD BOLT | 11 | REPLACES 0017108020 |
| 9 | A6418700103 | BASE | 1 | S/N 5615977 AND BELOW |
| 9 | A6418700113 | BASE | 1 | S/N 5615978-5617959 |
| 9 | A6418700123 | BASE | 1 | S/N 5617960 AND ABOVE |
| 10 | 0805083204 | RUBBER SUSPENSION | 2 | |
| 11 | 0207010000 | HEX. NUT | 2 | |
| 12 | 7605419004A | RUBBER SUSPENSION | 2 | REPLACES P/N 7605419004 |
| 13 | 0207010000 | HEX. NUT | 2 | |
| 14 | 0010110045 | HEX. HEAD BOLT | 2 | |
| 14A | 0207010000 | HEX. NUT | 2 | |
| 15 | 0012308030 | HEX. HEAD BOLT | 2 | |
| 16 | A6425400303 | BRACKET | 1 | S/N 5615977 AND BELOW |
| 16 | A6425400313 | BRACKET | 1 | S/N 5615978-5617959 |
| 16 | A6425400323 | BRACKET | 1 | S/N 5617960 AND ABOVE |
| 16-1 | A6498200004 | LINING | 1 | |
| 17 | 0017106016 | HEX, HEAD BOLT | 8 | |
| 18 | A6332300204 | COVER | 1 | UP TO S/N 5617959 |
| 19 | 0017106016 | HEX. HEAD BOLT | 4 | UP TO S/N 5617959 |
| 20 | A6418400304 | AIR GUIDE | 1 | |
| 21 | 0017106016 | HEX. HEAD BOLT | 2 | |
| 22 | A6435300003 | HANGER | 1 | |
| 23 | 0017110025 | HEX. HEAD BOLT | 4 | |
| 24 | A6345200204 | BATTERY SHEET | 1 | |
| 25 | D1343200204 | BATTERY BAND | 1 | |
| 26 | 0805082704 | BATTERY BOLT | 2 | |
| 27 | 0037806000 | WING NUT | 2 | |
| 28 | 0040006000 | WASHER, LOCK | 2 | |
| 29 | 0041206000 | WASHER, FLAT | 2 | |
| 30 | 0802276803 | TERMINAL CAP (RED) | 1 | |
| 30A | 0602220601 | TERMINAL CAP (BLK) | 1 | REPLACES P/N 0602220601 |
| 31 | D1343200604 | TERMINAL CAP | 1 | |
| 32 | 0019206016 | HEX. HEAD BOLT | 1 | |
| 33 | 0605513143 | HOSE | 1 | |
| 34 | 0605515240 | HOSE BAND | 1 | |
| 35 | 0605515093 | HOSE BAND | 1 | |
| 36 | Y0605507003 | CANNISTER | 1 | |
| 37 | A6261600104 | BRACKET | 1 | S/N 5615977 AND BELOW |
| 38 | 0016906015 | HEX. HEAD BOLT | 1 | S/N 5615977 AND BELOW |
| 39 | 0605515211 | BAND | 1 | |
| 40 | 0605515223 | HOSE BAND | 4 | |
| 41 | 0605513206 | BAND | 1 | |
| 42 | 0605513207 | BAND | 1 | |
| 43 | 34533 | BATTERY, 12 VOLT | 1 | INTERSTATE SP-30 |

HONDA GX610K1VD/U1VD — AIR CLEANER ASSY.



HONDA GX610K1VD/U1VD — AIR CLEANER ASSY.

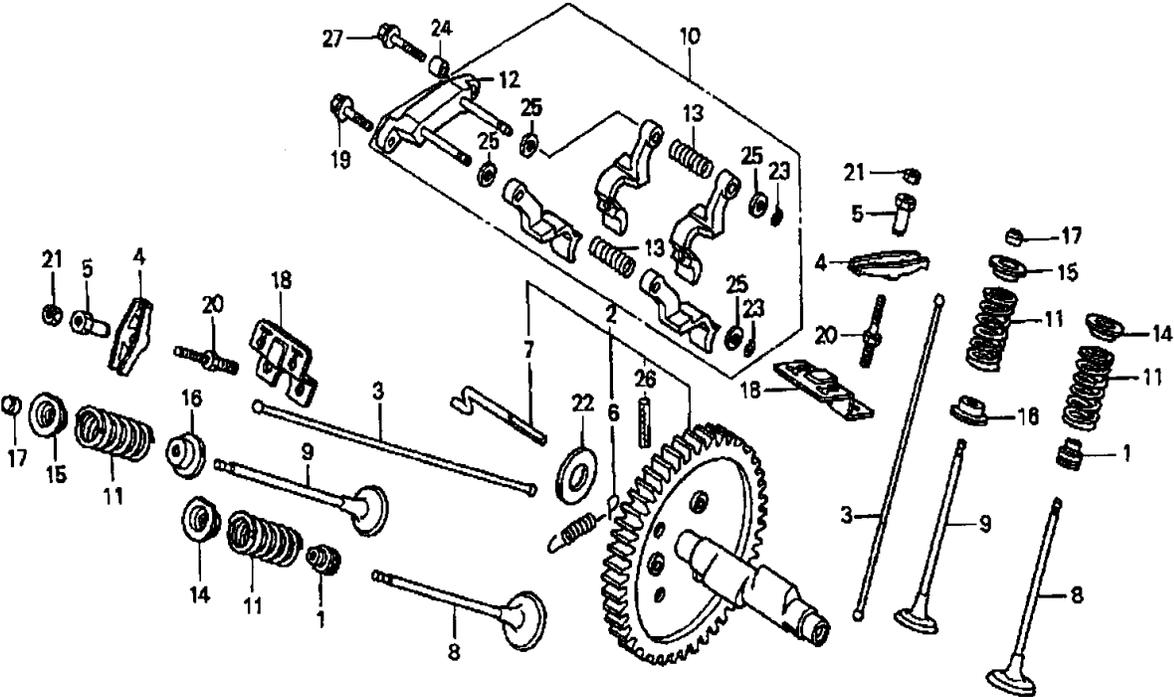
| NO. | PART NO. | PART NAME | QTY. | REMARKS |
|-----|--------------|---------------------------------|--------|-----------------------|
| 1◆ | 17210ZJ1841 | ELEMENT COMP., AIR CLEANER..... | 1..... | USE UP TO S/N 2017952 |
| 1◆ | 17210ZJ1842 | ELEMENT COMP., AIR CLEANER..... | 1..... | USE FROM S/N 2017953 |
| 1◇ | 17210ZJ1842 | ELEMENT COMP., AIR CLEANER | 1 | |
| 2 | 17218ZJ1840 | FILTER OUTER | 1 | |
| 3 | 17219ZJ1840 | CLIP AIR CLEANER | 4 | |
| 4 | 17220ZJ1840 | CASE COMP., AIR CLEANER | 1 | |
| 4 | 17220ZJ1840 | CASE COMP., AIR CLEANER..... | 1..... | USE UP TO S/N 1077169 |
| 4 | 17229ZJ1840 | CASE COMP., AIR CLEANER..... | 1..... | USE FROM S/N 1077170 |
| 5 | 17229ZJ1840 | SEAL, AIR CLEANER CASE | 1 | |
| 6◆ | 17230ZJ1840 | COVER ASSY., AIR CLEANER | 1 | |
| 6◇ | 17230ZJ1840 | COVER ASSY., AIR CLEANER | 1 | |
| 6◇ | 17230ZJ1841 | COVER ASSY., AIR CLEANER | 1 | |
| 7 | 17233ZJ1840 | SEAL, AIR CLEANER COVER | 1 | |
| 8 | 17234ZJ1840 | PLATE, AIR CLEANER SETTING | 1 | |
| 9 | 17238JZ4830 | COLLAR A, AIR CLEANER | 2 | |
| 10 | 90003ZJ1840 | BOLT, SPECIAL 5 MM | 2 | |
| 11 | 957010602800 | BOLT, FLANGE 6X28 | 2 | |



◆GX610K1VD: Model GA9.7HE DEC. 2003 AND BELOW

◇GX610U1VD: Model GA9.7HE APRIL 2008 AND ABOVE

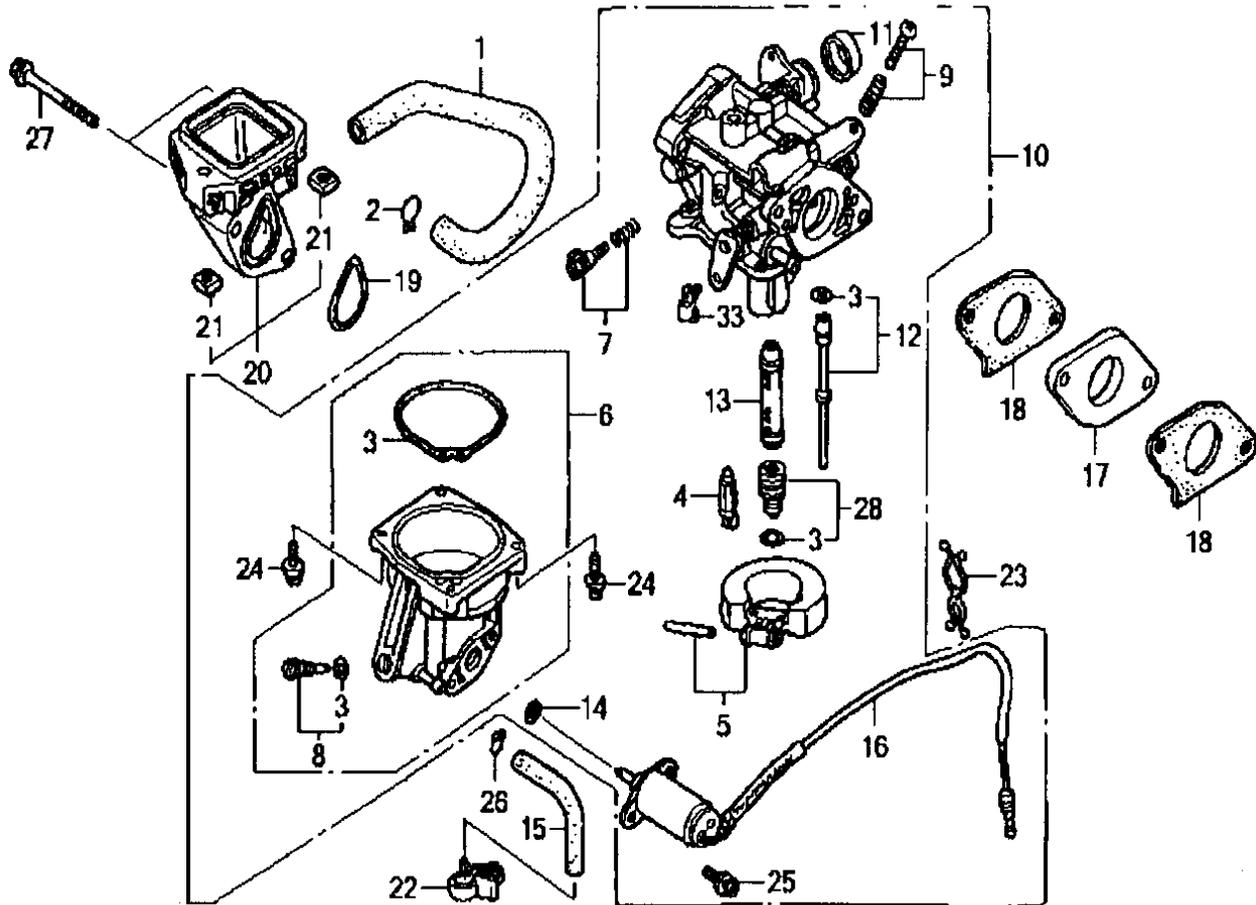
HONDA GX610K1VD/U1VD ENGINE — CAMSHAFT ASSY.



HONDA GX610K1VD/U1VD ENGINE — CAMSHAFT ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u> | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|----------------------------|-------------|----------------|
| 1 | 12209ZE8003 | SEAL, VALVE STEM | 2 | |
| 2 | 14100ZJ1842 | CAMSHAFT ASSY. | 1 | |
| 3 | 14410ZJ1840 | ROD, PUSH | 4 | |
| 4 | 14431ZE2010 | ARM, VALVE ROCKER | 4 | |
| 5 | 14451ZE1013 | PIVOT, ROCKER ARM | 4 | |
| 6\$ | 14568ZJ1841 | SPRING, WEIGHT RETURN | 1 | |
| 7 | 14576ZJ1840 | PIN, DECOMPRESSION | 1 | |
| 8 | 14711ZE3000 | VALVE, IN. | 1 | |
| 9 | 14721ZE3000 | VALVE, EX. | 1 | |
| 10 | 14730ZJ1841 | LIFTER ASSY., VALVE | 1 | |
| 11 | 14751ZE2003 | SPRING, VALVE | 2 | |
| 12 | 14760ZJ1840 | SHAFT COMP., VALVE LIFTER | 1 | |
| 13 | 14764ZJ1840 | SPRING, VALVE LIFTER | 2 | |
| 14 | 14771ZE2000 | RETAINER, IN. VALVE SPRING | 2 | |
| 15 | 14773ZE2000 | RETAINER, EX. VALVE SPRING | 2 | |
| 16 | 14775ZE2010 | SEAT, VALVE SPRING | 2 | |
| 17 | 14781ZE2000 | ROTATOR, VALVE | 2 | |
| 18 | 14791ZE2010 | PLATE, PUSH ROD GUIDE | 2 | |
| 19 | 90005896000 | BOLT, FLANGE, 5X16 | 1 | |
| 20 | 90012ZE0010 | BOLT, PIVOT (8MM) | 4 | |
| 21 | 90206ZE1000 | NUT, PIVOT ADJ. | 4 | |
| 22 | 90446357000 | WASHER, THRUST, 17.2MM | 1 | |
| 23 | 90602ZE1000 | CLIP, GOVERNOR HOLDER | 2 | |
| 24 | 90702GB6910 | DOWEL PIN, 8X12 | 1 | |
| 25 | 9410106800 | WASHER, FLAT, 6MM | 4 | |
| 26 | 9430560282 | PIN, SPRING, 6X28 | 1 | |
| 27 | 957010602500 | BOLT, FLANGE, 6X25 | 1 | |

HONDA GX610K1VD/U1VD ENGINE — CARBURETOR ASSY.



HONDA GX610K1VD/U1VD ENGINE — CARBURETOR ASSY.

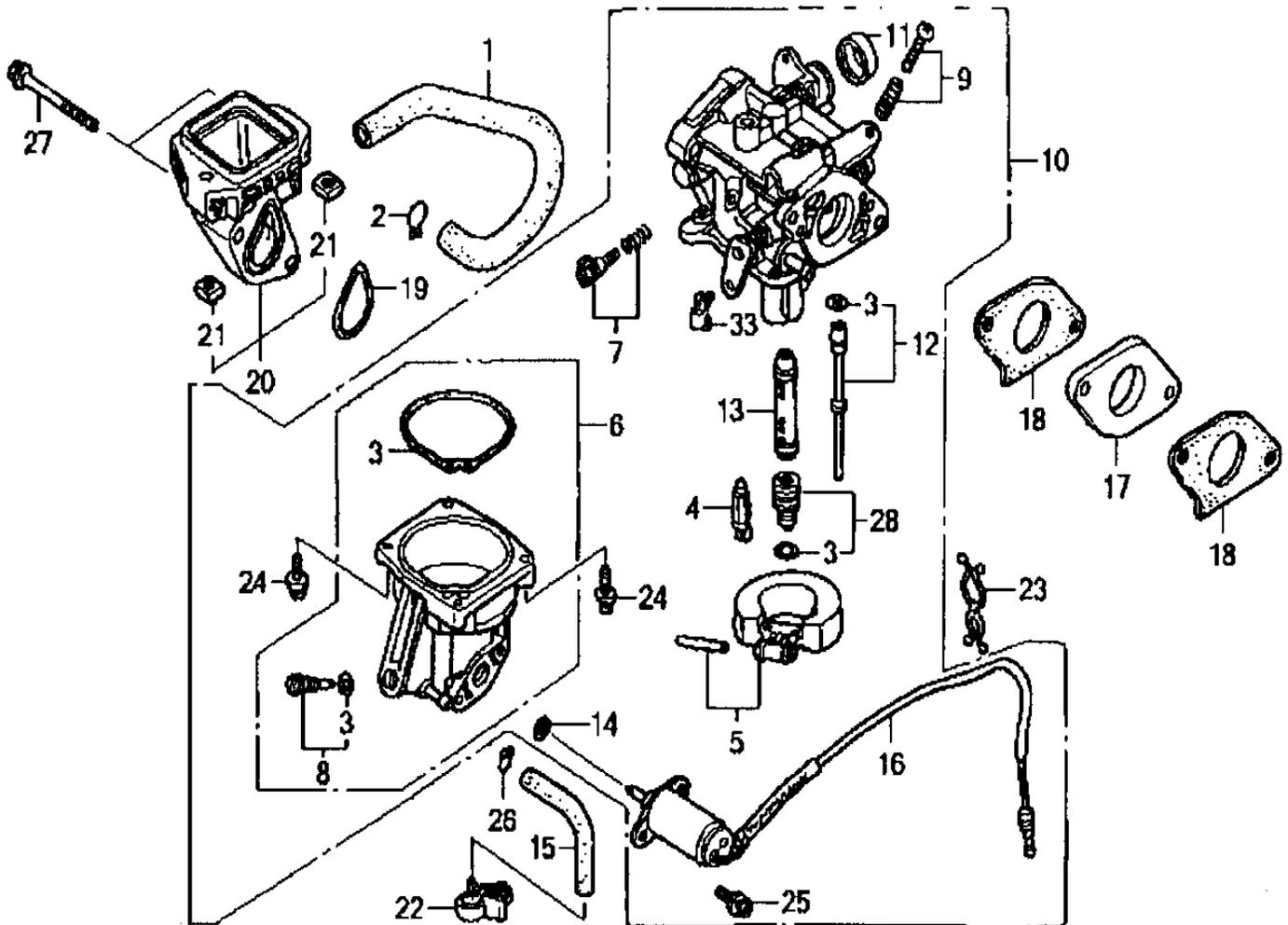
| NO. | PART NO. | PART NAME | QTY. | REMARKS |
|--------|-------------|----------------------------------|--------|--|
| 1 | 12357ZJ1840 | TUBE, BREATHER | 1 | |
| 2 | 15772551000 | CLIP, BREATHER TUBE | 1 | |
| 3◆ | 16010ZG8000 | GASKET SET | 1..... | USE UP TO S/N BG21H C INCLUDES ITEMS W/\$ |
| 3◆ | 16010ZJ0911 | GASKET SET | 1..... | USE FROM S/N BG21Q A INCLUDES ITEMS W/\$ |
| 3◇ | 16010ZJ0911 | GASKET SET | 1 | |
| 4# | 16011KCK910 | VALVE SET, FLOAT | 1 | |
| 5# | 16013ZV4005 | FLOAT SET | 1 | |
| 6◆# | 16015ZJ1841 | CHAMBER SET, FLOAT | 1..... | USE UP TO S/N BG21H C INCLUDES ITEMS W/# |
| 6◆# | 16015ZJ1W01 | CHAMBER SET, FLOAT | 1..... | USE FROM S/N BG21Q A INCLUDES ITEMS W/# |
| 6◇ # | 16015ZJ1W01 | CHAMBER SET, FLOAT | 1 | |
| 7# | 16016ZJ1010 | SCREW SET | 1 | |
| 8\$ | 16024124760 | SCREW SET, DRAIN | 1 | |
| 9# | 16028ZG8000 | SCREW SET | 1 | |
| 10◆ | 16100ZJ0881 | CARBURETOR ASSY. (BG21N A) | 1..... | USE UP TO S/N 2014887 INCLUDES ITEMS W/# |
| 10◆ | 16100ZJ0911 | CARBURETOR ASSY. (BG21Q A) | 1..... | USE FROM S/N 2014888 INCLUDES ITEMS W/# |
| 10◇ | 16100ZJ0911 | CARBURETOR ASSY. (BG21Q A) | 1..... | USE UP TO S/N 1006893 INCLUDES ITEMS W/# |
| 10◇ | 16100ZJ0912 | CARBURETOR ASSY. (BG21Q B) | 1..... | USE FROM S/N 1006894 INCLUDES ITEMS W/# |
| 11 | 16148141881 | CAP, CHOKE LEVER DUST | 1 | |
| 12#\$ | 16150ZJ0831 | JET SET (#58) | 1 | |
| 13#\$ | 16166ZJ0831 | NOZZLE, MAIN | 1 | |
| 14◆\$ | 16178548004 | O-RING (5.8X1.9) | 1..... | USE UP TO S/N BG21N A |
| 14◆\$ | 16178ZJ0911 | O-RING | 1..... | USE FROM S/N BG21Q A |
| 14◇ \$ | 16178ZJ0911 | O-RING | 1 | |



◆GX610K1VD: Model GA9.7HE DEC. 2003 AND BELOW

◇ GX610U1VD: Model GA9.7HE APRIL 2008 AND ABOVE

HONDA GX610K1VD/U1VD ENGINE — CARBURETOR ASSY.



HONDA GX610K1VD/U1VD ENGINE — CARBURETOR ASSY.

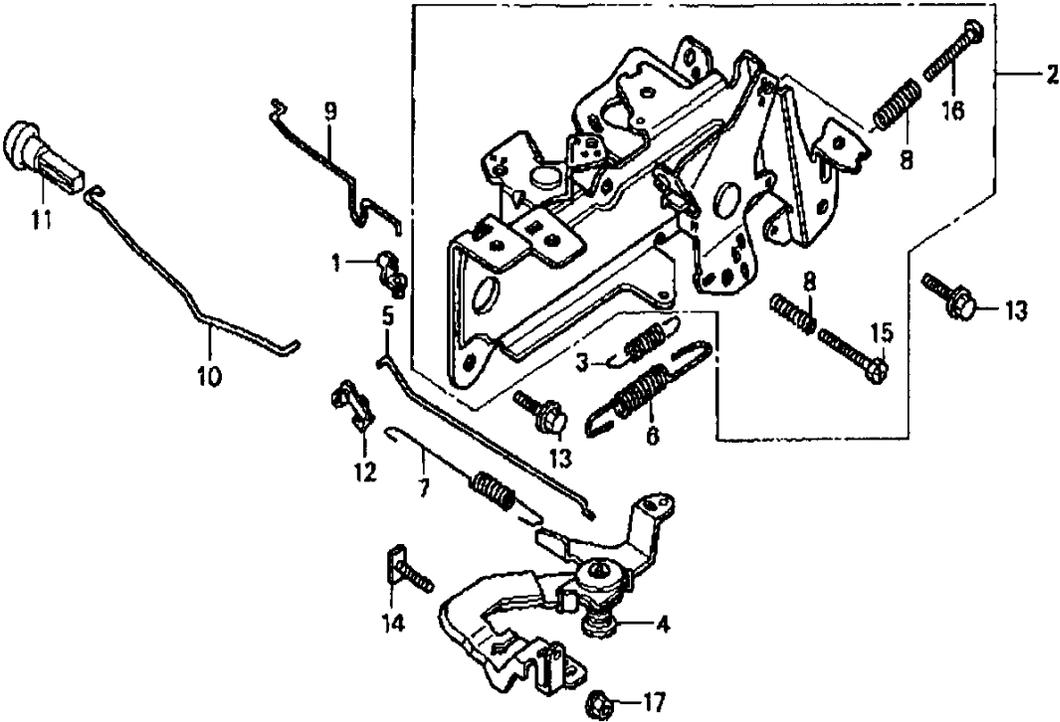
| NO. | PART NO. | PART NAME | QTY. | REMARKS |
|-------|--------------|-----------------------------------|--------|-----------------------|
| 15 | 16198ZJ1840 | TUBE DRAIN | 1..... | USE UP TO S/N 2073018 |
| 16◆# | 16200ZJ0841 | VALVE ASSY., SOLENOID | 1..... | USE UP TO S/N 2067379 |
| 16◆# | 16200ZJ1841 | VALVE ASSY., SOLENOID | 1..... | USE FROM S/N 2067380 |
| 16◇# | 16200ZJ1841 | VALVE ASSY., SOLENOID | 1 | |
| 17 | 16211ZJ0841 | INSULATOR, CARBURETOR | 1 | |
| 18 | 16221ZJ1840 | GASKET, CARBURETOR | 2 | |
| 19 | 17228ZG8003 | GASKET, AIR CLEANER | 1 | |
| 20 | 17410ZJ1840 | ELBOW COMP., AIR CLEANER..... | 1..... | INCLUDES ITEMS W/% |
| 21% | 90314ZJ1840 | NUT, INSERT, 6 MM | 2 | |
| 22 | 90682959661 | CLIP B, CABLE | 1 | |
| 23 | 91402ZJ1841 | CLIP, PURSE LOCK | 1 | |
| 24# | 938920401418 | SCREW-WASHER (4X12) | 4 | |
| 25# | 938920501218 | SCREW-WASHER (5X12) | 2 | |
| 26 | 9500202080 | CLIP, TUBE (B8) | 1 | |
| 27 | 958010612000 | BOLT, FLANGE (6X120) | 2 | |
| 28#\$ | 99201ZG80880 | JET SET, MAIN (#88) | 1 | |
| 28#\$ | 99201ZG80900 | JET SET, MAIN (#90 HIGH ALTITUDE) | 1 | |
| 28#\$ | 99201ZG80920 | JET SET, MAIN (#92 HIGH ALTITUDE) | 1 | |
| 33# | 16126ZJ1841 | ARM, THROTTLE LINKAGE | 1 | |



◆GX610K1VD: Model GA9.7HE DEC. 2003 AND BELOW

◇GX610U1VD: Model GA9.7HE APRIL 2008 AND ABOVE

HONDA GX610K1VD/U1VD ENGINE — CONTROL ASSY.



HONDA GX610K1VD/U1VD ENGINE — CONTROL ASSY.

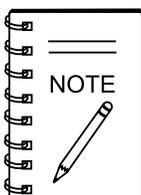
| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u> | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|------------------------------------|-------------|--------------------|
| 1 | 16263883W10 | JOINT ROD | 1 | |
| 2 | 16500ZJ1890 | CONTROL ASSY., AUTO THROTTLE | 1..... | INCLUDES ITEMS W/# |
| 3 | 16534ZJ1840 | SPRING STARTER | 1 | |
| 4◆ | 16550ZJ1841 | ARM COMP., GOVERNOR..... | 1..... | UP TO S/N 2020000 |
| 4◆ | 16550ZJ1842 | ARM COMP., GOVERNOR..... | 1..... | FROM S/N 2020001 |
| 4◇ | 16550ZJ1842 | ARM COMP., GOVERNOR | 1 | |
| 5 | 16555ZJ1840 | ROD, GOVERNOR | 1 | |
| 6 | 16561ZJ1850 | SPRING, GOVERNOR, MANUAL | 1 | |
| 7 | 16562ZJ1840 | SPRING, THROTTLE RETURN | 1 | |
| 8# | 16584883300 | SPRING, CONTROL ADJUSTING | 2 | |
| 9 | 16611ZJ1840 | ROD, CHOKE CONTROL | 1 | |
| 10 | 16628ZJ1850 | ROD, CHOKE KNOB | 1 | |
| 11 | 17951921030 | KNOB, CHOKE | 1 | |
| 12 | 17957ZV4000 | BUSH, LINKAGE | 1 | |
| 13 | 90014952000 | BOLT, FLANGE, 6X14 | 2 | |
| 14 | 90015ZE3790 | BOLT, GOVERNOR ARM | 1 | |
| 15# | 92301050250A | BOLT, RECESSED, 5X25 | 1 | |
| 16# | 93500050350A | SCREW, PAN, 5X35 | 1 | |
| 17 | 9405006000 | NUT, FLANGE 6MM | 1 | |



- ◆GX610K1VD: Model GA9.7HE DEC. 2003 AND BELOW
- ◇ GX610U1VD: Model GA9.7HE APRIL 2008 AND ABOVE

HONDA GX610K1VD/U1VD ENGINE — CRANKCASE COVER ASSY.

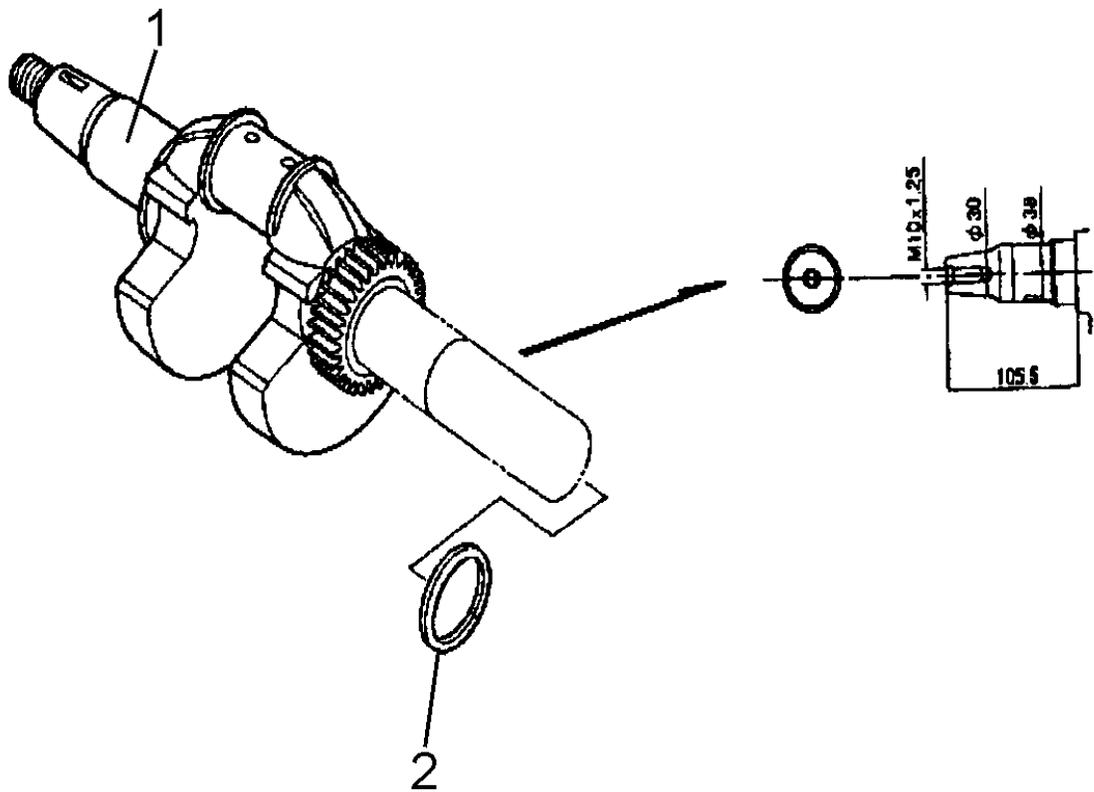
| NO. | PART NO. | PART NAME | QTY. | REMARKS |
|-------|--------------|---------------------------------------|--------|--|
| 1◆ | 11300ZJ1850 | COVER ASSY., CRANKCASE..... | 1..... | UP TO S/N 2017181 INCLUDES ITEMS W/\$ |
| 1◆ | 11300ZJ1851 | COVER ASSY., CRANKCASE..... | 1..... | FROM S/N 2017182 INCLUDES ITEMS W/\$ |
| 1◇ | 11300ZJ1852 | COVER ASSY., CRANKCASE..... | 1..... | UP TO S/N 1022498 INCLUDES ITEMS W/\$ |
| 1◇ | 11300ZJ1853 | COVER ASSY., CRANKCASE..... | 1..... | FROM S/N 1009791 INCLUDES ITEMS W/\$ |
| 2 | 11381ZJ1840 | GASKET, CASE COVER | 1 | |
| 3 | 12105ZA0701 | BOLT, SEALING | 1 | |
| 4 | 15120ZJ1000 | COVER ASSY., OIL PUMP, TWO BOLTS | 1 | |
| 4◇ | 15120ZJ1000 | COVER ASSY., OIL PUMP, TWO BOLTS..... | 1..... | UP TO S/N 1022498 |
| 4◇ | 15120ZJ1010 | COVER ASSY., OIL PUMP, THREE BOLTS | 1 | |
| 5 | 15124ZJ1003 | ROTOR, OIL PUMP OUTER | 1 | |
| 6 | 15232ZJ1000 | SPRING, RELIEF VALVE | 1 | |
| 7 | 15348ZJ1840 | COVER, OIL FILTER | 1 | |
| 8 | 154000ZJ1004 | CARTRIDGE, OIL FILTER | 1 | |
| 10 | 15411ZJ1840 | BASE OIL FILTER | 1 | |
| 11 | 15427ZJ1000 | SCREEN, OIL FILTER | 1 | |
| 12 | 15655ZJ1861 | GAUGE COMP., OIL LEVEL | 1 | |
| 13\$ | 16510ZJ1840 | GOVERNOR ASSY..... | 1..... | INCLUDES ITEMS W/# |
| 14# | 16511ZJ1840 | WEIGHT GOERNOR | 3 | |
| 15# | 16512ZJ1840 | HOLDER, GOVERNOR WEIGHT | 1 | |
| 16# | 16513ZE2000 | PIN, GOVERNOR WEIGHT | 3 | |
| 17◆\$ | 16531Z0A000 | SLIDER, GOVERNOR..... | 1..... | UP TO S/N 2017181 |
| 17◆\$ | 16531ZE2000 | SLIDER, GOVERNOR..... | 1..... | FROM S/N 2017182 |
| 17◇\$ | 16531Z0A000 | SLIDER, GOVERNOR | 1 | |
| 20 | 90015883000 | BOLT, FLANGE, 6X28 | 3 | |
| 21 | 90018PN3000 | HOLDER, OIL FILTER | 1 | |
| 22\$ | 90473147000 | WASHER, 6X16 | 1 | |
| 23\$ | 90602ZE1000 | CLIP, GOVERNOR HOLDER | 1 | |
| 24 | 91202ZJ1841 | OIL SEAL, 35X58X9 | 1 | |
| 25 | 91302ZE9003 | O-RING, 11.8X2.4 | 2 | |
| 26\$ | 9410106800 | WASHER, FLAT, 6MM | 1 | |
| 27 | 9430108140 | DOWEL PIN, 8X14 | 2 | |
| 28 | 957010602000 | BOLT, FLANGE, 6X20 | 3 | |
| 29 | 957010805000 | BOLT, FLANGE, 8X50 | 9 | |
| 30 | 9621112000 | BALL, STEEL, #12 (3/8) | 1 | |
| 31 | 966000601600 | BOLT, SOCKET 6X16 | 2 | |
| 33 | 12105ZA0701 | BOLT, SEALING | 2 | |



◆GX610K1VD: Model GA9.7HE DEC. 2003 AND BELOW

◇GX610U1VD: Model GA9.7HE APRIL 2008 AND ABOVE

HONDA GX610K1VD/U1VD ENGINE — CRANKSHAFT ASSY.



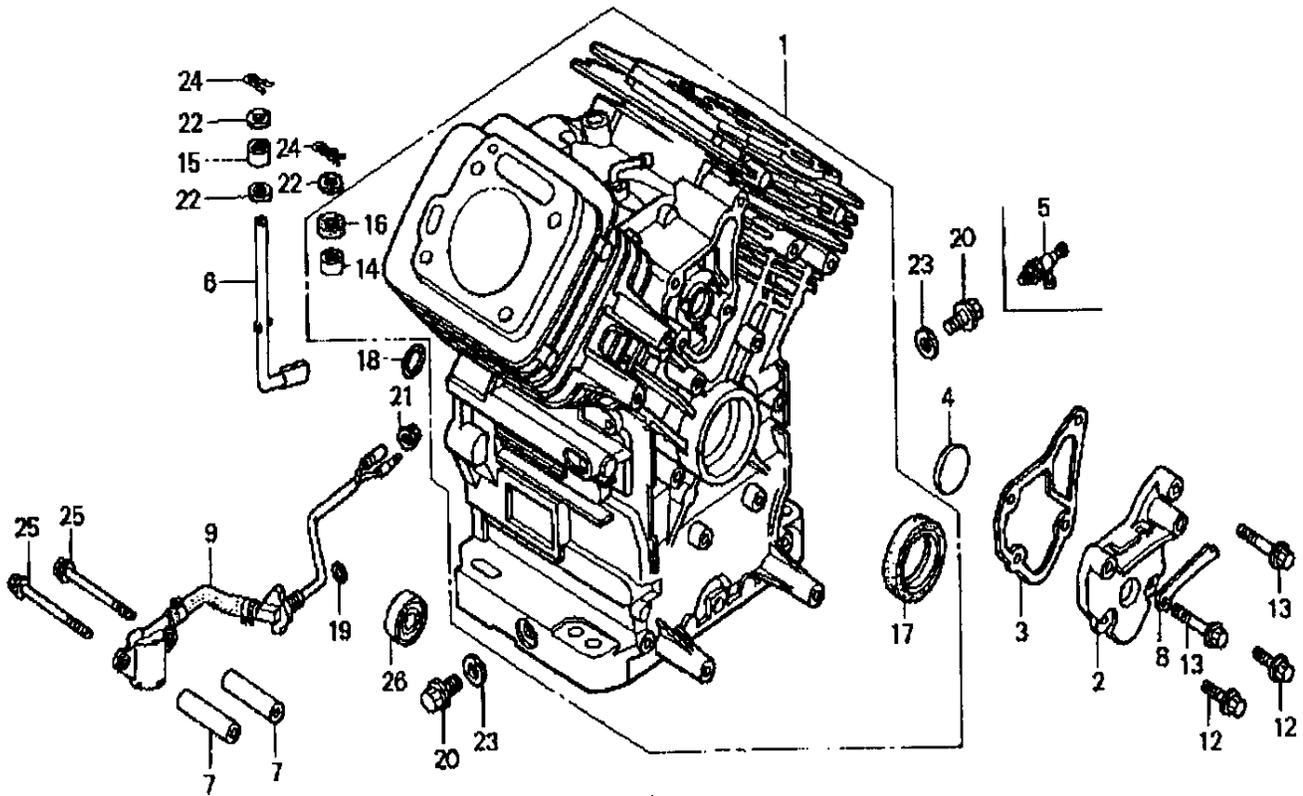
HONDA GX610K1VD/U1VD ENGINE — CRANKSHAFT ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u> | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|---------------------------|-------------|----------------|
| 1 | 13310ZJ1880 | CRANKSHAFT COMP. | 1 | |
| 2◇ | 90401ZJ1000 | WASHER, CRANKSHAFT THRUST | 1 | |



- ◆GX610K1VD: Model GA9.7HE DEC. 2003 AND BELOW
- ◇GX610U1VD: Model GA9.7HE APRIL 2008 AND ABOVE

HONDA GX610K1VD/U1VD ENGINE — CYLINDER BARREL ASSY.



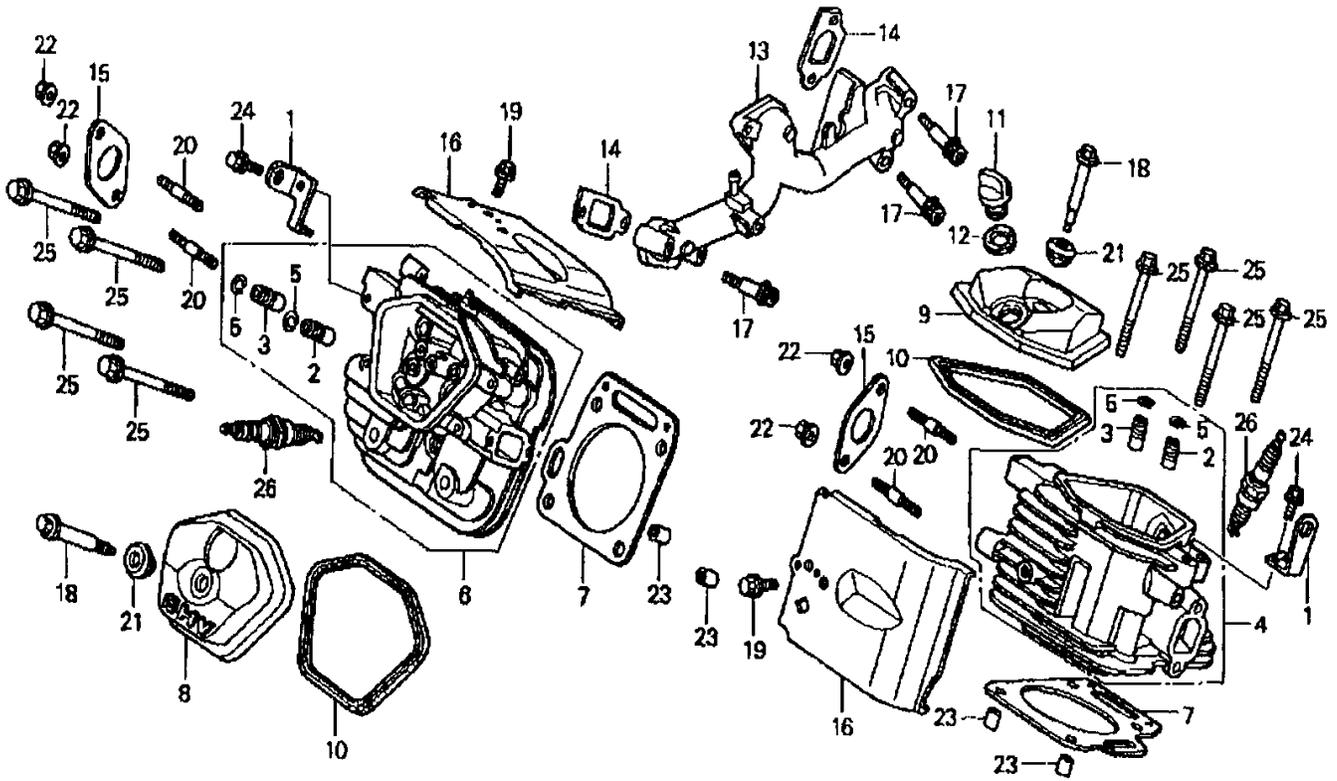
HONDA GX610K1VD/U1VD ENGINE — CYLINDER BARREL ASSY.

| NO. | PART NO. | PART NAME | QTY. | REMARKS |
|------|--------------|------------------------------|--------|-----------------------|
| 1◆ | 12000ZJ1406 | BARREL ASSY., CYLINDER | 1..... | INCLUDES ITEMS W/\$ |
| 1◇ | 12000ZJ1406 | BARREL ASSY., CYLINDER | 1..... | UP TO S/N 1077902 |
| | | | | INCLUDES ITEMS W/\$ |
| 1◇ | 12000ZJ1416 | BARREL ASSY., CYLINDER | 1..... | FROM S/N 1077903 |
| | | | | INCLUDES ITEMS W/\$ |
| 2 | 12356ZJ1000 | COVER BREATHER | 1 | |
| 3 | 12358ZJ1000 | PACKING, BREATHER COVER | 1 | |
| 4 | 12372ZE2300 | VALVE, BREATHER | 1 | |
| 5 | 15558ZJ1003 | VALVE, OIL SHUT-OFF | 1 | |
| 6 | 16541ZJ1840 | SHAFT, GOVERNOR ARM | 1 | |
| 7 | 25523VD6010 | COLLAR, FILTER SETTING | 1 | |
| 8 | 31511ZJ1000 | CLAMPER CORD | 1 | |
| 9◆ | 35480ZJ1841 | SWITCH ASSY., OIL LEVEL | 1 | |
| 9◇ | 35480ZJ1841 | SWITCH ASSY., OIL LEVEL..... | 1..... | USE UP TO S.N 1068428 |
| 9◇ | 35480ZJ1842 | SWITCH ASSY., OIL LEVEL..... | 1..... | USE FROM S/N 1068429 |
| 12 | 90029888000 | BOLT, FLANGE, 6X16 | 2 | |
| 13 | 90031ZE1000 | BOLT, FLANGE, 6X32 | 2 | |
| 14\$ | 91001ZJ1841 | BEARING NEEDLE, 8X12.7X11.1 | 1 | |
| 15 | 91002ZJ1841 | BEARING NEEDLE, 8X12X10 | 1 | |
| 16\$ | 91201ZE9003 | OIL SEAL, 8X14X5 | 1 | |
| 17\$ | 91201ZJ1841 | OIL SEAL, 38X58X9 | 1 | |
| 18 | 91302MB6830 | O-RING, 13X3.0 | 1 | |
| 19 | 91353671004 | O-RING, 14MM | 1 | |
| 20 | 9280014000 | BOLT, DRAIN PLUG, 14MM | 2 | |
| 21 | 9405010000 | NUT, FLANGE, 10MM | 1 | |
| 22 | 9410208800 | WASHER, FLAT, 8MM | 3 | |
| 23 | 9410914000 | WASHER, DRAIN PLUG, 14MM | 2 | |
| 24 | 9425108000 | PIN, LOCK, 8MM | 2 | |
| 25 | 957010607509 | BOLT, FLANGE, 6X75 | 2 | |
| 26 | 961406003010 | BEARING, RADIAL BALL, 6003 | 1 | |



- ◆GX610K1VD: Model GA9.7HE DEC. 2003 AND BELOW
- ◇GX610U1VD: Model GA9.7HE APRIL 2008 AND ABOVE

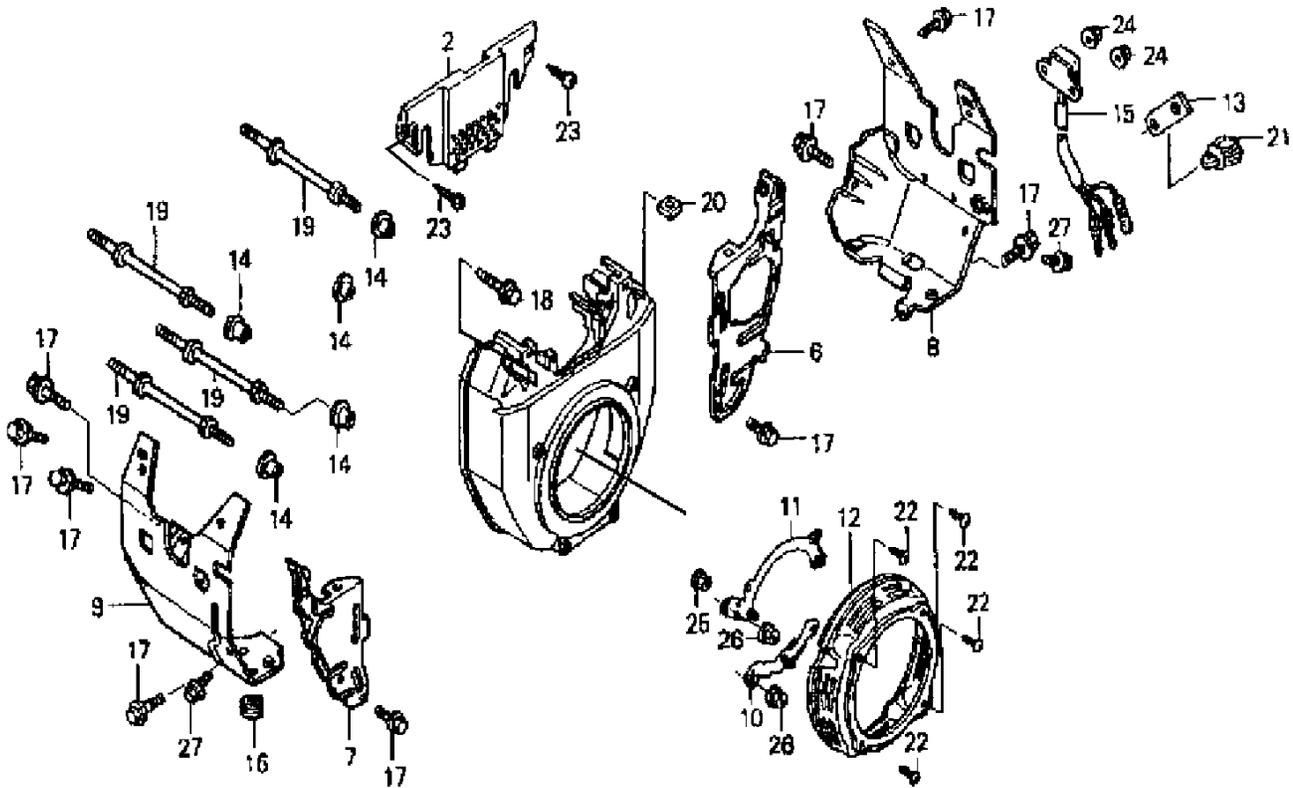
HONDA GX610K1VD/U1VD ENGINE — CYLINDER HEAD ASSY.



HONDA GX610K1VD/U1VD ENGINE — CYLINDER HEAD ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u> | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|------------------------------|-------------|--------------------|
| 1 | 11911ZJ1840 | HANGER, ENGINE | 1 | |
| 2#\$ | 12204ZE2306 | GUIDE, INTAKE VALVE (OS) | 2 | |
| 3#\$ | 12205ZE1405 | GUIDE, EXHAUST VALVE (OS) | 2 | |
| 4 | 12210ZJ1406 | HEAD COMP., CYLINDER #1..... | 1..... | INCLUDES ITEMS W/# |
| 5#\$ | 12216ZE2300 | CLIP, VALVE GUIDE | 4 | |
| 6 | 12220ZJ1405 | HEAD COMP., CYLINDER #2..... | 1..... | INCLUDES ITEMS W\$ |
| 7 | 12251ZJ1841 | GASKET, CYLINDER HEAD | 1 | |
| 8 | 12311ZJ1840 | COVER, HEAD | 1 | |
| 9 | 12314ZJ1840 | COVER, HEAD FILLER | 1 | |
| 10 | 12391ZE2020 | PACKING HEAD COVER | 2 | |
| 11 | 15611MB0000 | CAP, OIL FILLER | 1 | |
| 12 | 15625ZJ1840 | PACKING, OIL FILLER CAP | 1 | |
| 13 | 17101ZJ1840 | MANIFOLD INTAKE | 1 | |
| 14 | 17151ZJ1841 | GASKET, INTAKE MANIFOLD | 2 | |
| 15 | 18333ZE3800 | GASKET, EXHAUST PIPE | 2 | |
| 16 | 19682ZJ1840 | SHROUD, HEAD | 2 | |
| 17 | 90011ZJ1841 | BOLT, SOCKET, 8X45 | 4 | |
| 18 | 90014ZE2000 | BOLT, HEAD COVER | 2 | |
| 19 | 90014952000 | BOLT, FLANGE, 6X14 | 2 | |
| 20 | 90018ZJ1840 | BOLT, STUD (8X22) | 2 | |
| 21 | 90441ZE2010 | WASHER, HEAD COVER | 1 | |
| 22 | 9405008000 | NUT, FLANFE, 8MM | 4 | |
| 23 | 9430112200 | PIN A, DOWEL (12X20) | 4 | |
| 25 | 957011008000 | BOLT, FLANGE, 10X80 | 8 | |
| 26 | 9807952876 | SPARK PLUG (BPR5ES) (NGK) | 2 | |
| 26 | 980795485V | SPARK PLUG (J14CR-U) (DENSO) | 2 | |

HONDA GX610K1VD/U1VD ENGINE — FAN COVER ASSY.



HONDA GX610K1VD/U1VD ENGINE — FAN COVER ASSY.

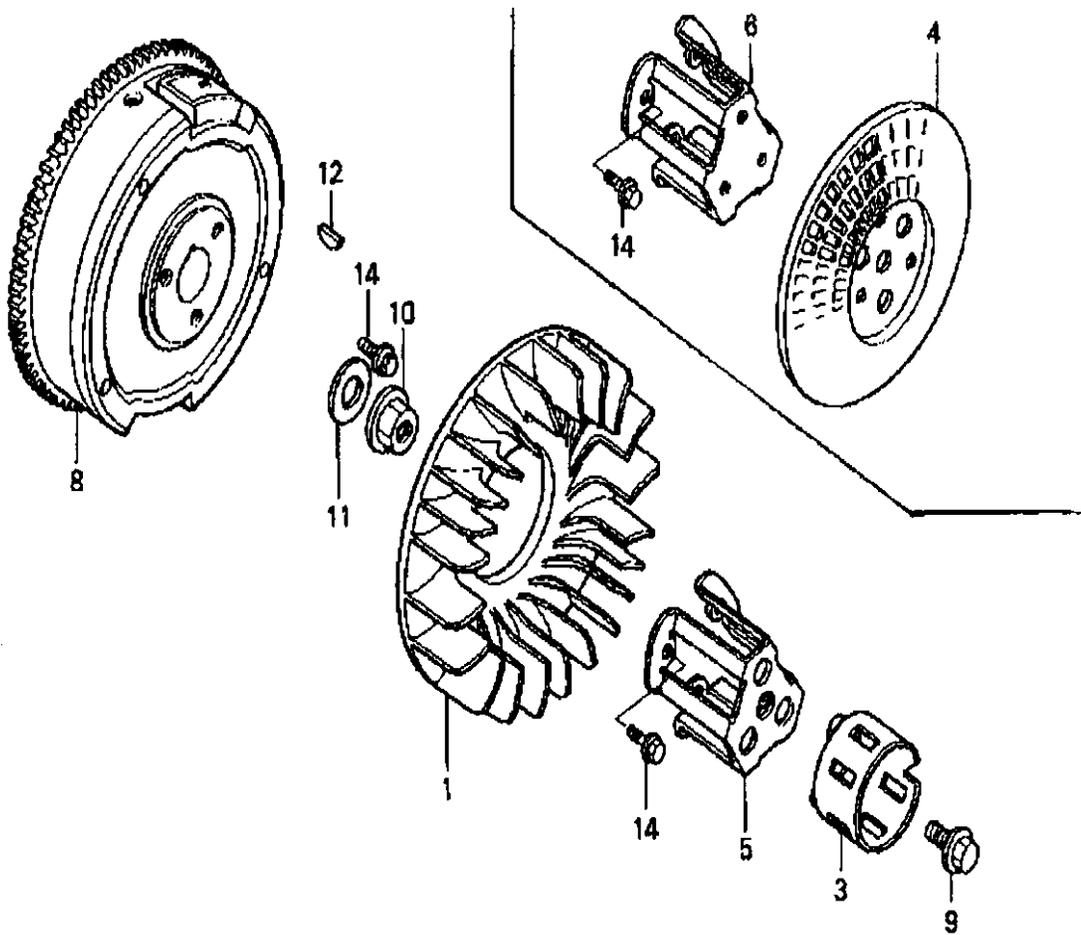
| NO. | PART NO. | PART NAME | QTY. | REMARKS |
|-----|---------------|---|------|-----------------------|
| 2 | 16715ZJ1860 | COVER, FUEL PUMP MANUAL CHOKE | 1 | |
| 4◆ | 19611ZJ1800ZB | COVER, FAN , RECOIL START (R8) RED | 1 | USE UP TO S/N 2021866 |
| 4◆ | 19611ZJ1800ZC | COVER, FAN , RECOIL START (R280) RED | 1 | USE FROM S/N 2021867 |
| 4◇ | 19611ZJ1800ZC | COVER, FAN , RECOIL START (R280) RED | 1 | |
| 6 | 19612ZJ1840 | PLATE, R. SIDE | 1 | USE UP TO S/N 2017309 |
| 6◆ | 19612ZJ1841 | PLATE, R. SIDE | 1 | USE FROM S/N 2017310 |
| 6◇ | 19612ZJ1841 | PLATE, R. SIDE | 1 | |
| 7 | 19614ZJ1840 | PLATE, L. SIDE..... | 1 | USE UP TO S/N 2017309 |
| 7◆ | 19614ZJ1841 | PLATE, L. SIDE..... | 1 | USE FROM S/N 2017310 |
| 7◇ | 19614ZJ1841 | PLATE, L. SIDE | 1 | |
| 8 | 19631ZJ1850 | SHROUD, R. (OIL ALERT) | 1 | |
| 9◆ | 19632ZJ1840 | SHROUD, L..... | 1 | USE UP TO S/N 2017309 |
| 9◆ | 19632ZJ1841 | SHROUD, L..... | 1 | USE FROM S/N 2017310 |
| 9◇ | 19632ZJ1841 | SHROUD, L. | 1 | |
| 10 | 28491ZJ1840 | STAY A, RECOIL STARTER | 1 | |
| 11 | 28492ZJ1840 | STAY B, RECOIL STARTER | 1 | |
| 12◆ | 28496ZJ1840ZB | COVER, RECOIL START STAY R8 RED..... | 1 | USE UP TO S/N 2021866 |
| 12◆ | 28496ZJ1840ZC | COVER, RECOIL START STAY R280 RED..... | 1 | USE FROM S/N 2021867 |
| 12◇ | 28496ZJ1840ZC | COVER, RECOIL START STAY R280 RED | 1 | |
| 13 | 32103ZG8000 | BRACKET, WIRE HARNESS CLIP | 1 | |
| 14 | 33713GC2000 | COLLAR B TAILLIGHT | 6 | |
| 15◆ | 34150ZJ1841 | ALERT UNIT, OIL..... | 1 | USE UP TO S/N 2049759 |
| 15◆ | 34150ZJ1842 | ALERT UNIT, OIL..... | 1 | USE UP TO S/N 2049760 |
| 15◇ | 34150ZJ1842 | ALERT UNIT, OIL..... | 1 | USE UP TO S/N 1066058 |
| 15◇ | 34150ZJ1843 | ALERT UNIT, OIL..... | 1 | USE UP TO S/N 1066059 |
| 16 | 80101310000 | RUBBER, RR FENDER CUSHION | 1 | |
| 17 | 90013883000 | BOLT, FLANGE (6X12) | 10 | |
| 18 | 90018ZE1000 | BOLT, FLANGE (6X23) | 2 | |
| 19 | 90042ZJ1840 | BOLT, STUD (6X71) | 4 | |
| 20 | 90313ZJ1840 | NUT, SQUARE 5 MM | | |
| 21 | 91558SD5003 | CLIP, WIRE HARNESS , BLACK | 1 | |
| 22 | 9390335380 | SCREW, TAPPING (5X16) | 2 | |
| 23 | 9391325580 | SCREW, TAPPING (5X20) | 2 | |
| 24 | 9405005000 | NUT, FLANGE (5 MM) | 2 | |
| 25 | 9405006070 | NUT, FLANGE (6 MM) | 4 | |
| 26 | 957010600800 | BOLT, FLANGE (6X8) | 2 | |



◆GX610K1VD: Model GA9.7HE DEC. 2003 AND BELOW

◇GX610U1VD: Model GA9.7HE APRIL 2008 AND ABOVE

HONDA GX610K1VD/U1VD ENGINE — FLYWHEEL ASSY.



HONDA GX610K1VD/U1VD ENGINE — FLYWHEEL ASSY.

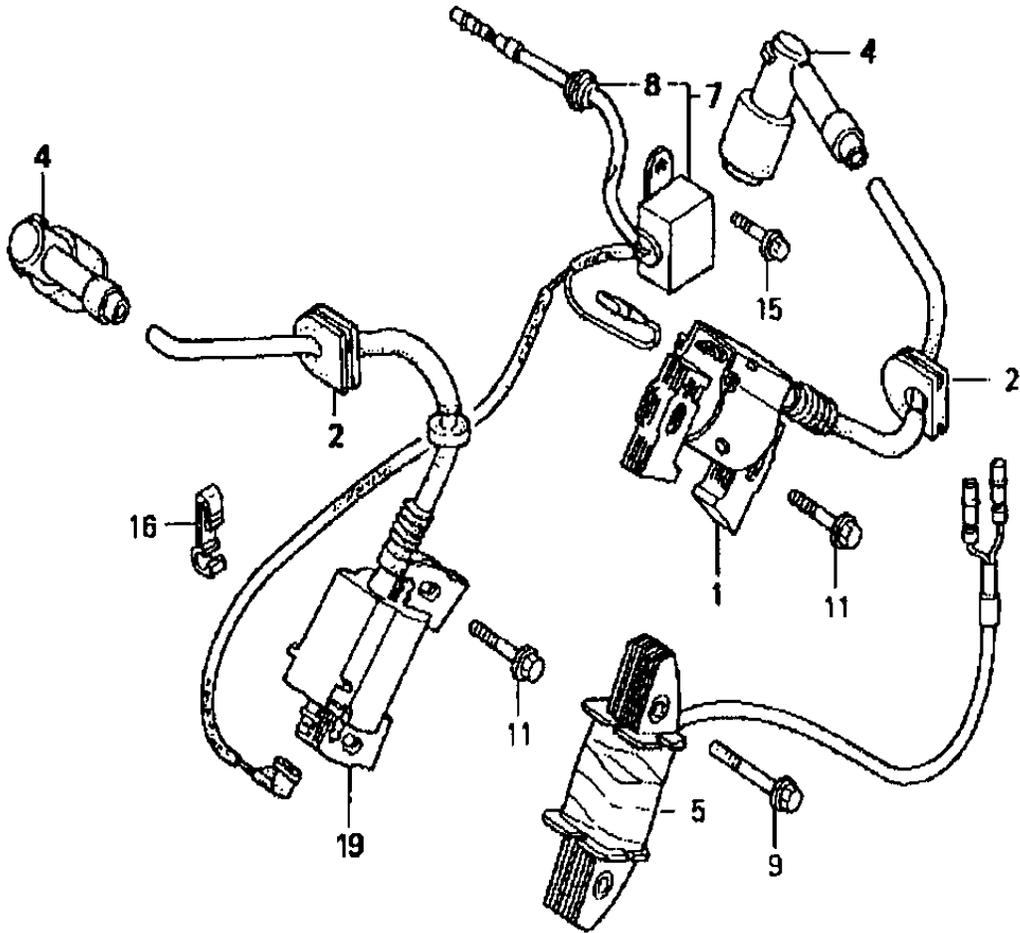
| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u> | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|-------------------------------|-------------|----------------|
| 1 | 19511ZJ1000 | FAN, COOLING | 1 | |
| 3 | 28451ZJ1801 | PULLEY, STARTER | 1 | |
| 4 | 28452ZJ1811 | GRID SCREEN | 1 | |
| 5 | 28453ZJ1801 | SPACER, STARTER PULLEY MT. | 1 | |
| 6 | 28454ZJ1801 | HOLDER, SCREEN GRID | 1 | |
| 8 | 31110ZJ1850 | FLYWHEEL COMP. | 1 | |
| 9 | 90013ZJ1800 | BOLT, UBS (12X28) | 1 | |
| 10 | 90201ZG3000 | NUT, FLANGE (20MM) | 1 | |
| 11 | 90401ZG3000 | WASHER (20MM) | 1 | |
| 12 | 90741ZE2000 | KEY, SPECIAL WOODRUFF (25X18) | 1 | |
| 14 | 957010801600 | BOLT, FLANGE (8X16) | 3 | |



◆GX610K1VD: Model GA9.7HE DEC. 2003 AND BELOW

◇GX610U1VD: Model GA9.7HE APRIL 2008 AND ABOVE

HONDA GX610K1VD/U1VD ENGINE — IGNITION COIL ASSY.



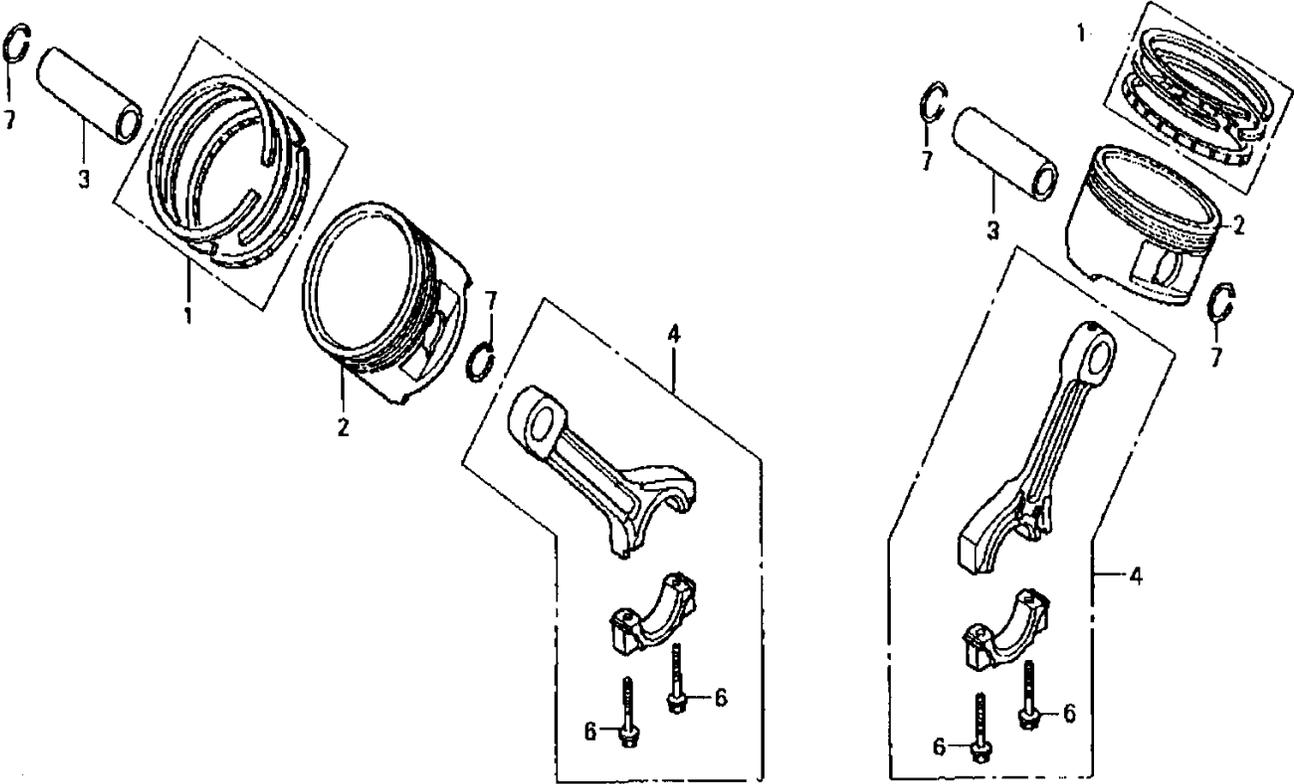
HONDA GX610K1VD/U1VD ENGINE — IGNITION COIL ASSY.

| NO. | PART NO. | PART NAME | QTY. | REMARKS |
|-----|--------------|--------------------------------|--------|-----------------------|
| 1◆ | 30500ZJ1841 | COIL ASSY., IGNITION | 1..... | USE UP TO S/N 2018397 |
| 1◆ | 30500ZJ1842 | COIL ASSY., IGNITION | 1..... | S/N's 2018398~2047154 |
| 1◆ | 30500ZJ1843 | COIL ASSY., IGNITION | 1..... | S/N's 2047155~2049300 |
| 1◆ | 30500ZJ1844 | COIL ASSY., IGNITION | 1..... | USE FROM S/N 2049301 |
| 1◇ | 30500ZJ1844 | COIL ASSY., IGNITION | 1..... | USE UP TO S/N 1020628 |
| 1◇ | 30500ZJ1845 | COIL ASSY., IGNITION | 1..... | USE FROM S/N 1020629 |
| 2 | 30518ZJ1000 | GROMMET, HIGH TENSION WIRE | 2 | |
| 4 | 30700ZJ1841 | CAP ASSY., NOISE SUPPRESSOR | 2 | |
| 5 | 31510ZE1811 | COIL ASSY., CHARGE (12V/3A) | 1 | |
| 7◆ | 31740ZJ1851 | DOIDE ASSY., ENGINE STOP | 1 | INCLUDES ITEM W/# |
| 7◇ | 31740ZJ1851 | DOIDE ASSY., ENGINE STOP | 1..... | USE UP TO S/N 1065525 |
| 7◇ | 31740ZJ1852 | DOIDE ASSY., ENGINE STOP | 1..... | USE FROM S/N 1065526 |
| 8# | 63312ZA7000 | GROMMET, TOOL | | |
| 9 | 90031ZE1000 | BOLT, FLANGE (6X32) | 2 | |
| 11 | 90031ZE1000 | BOLT, FLANGE (6X32) | 2 | |
| 15 | 957010600800 | BOLT, FLANGE (6X8) | 1 | |
| 16 | 32763PA0000 | CLAMP, CORD | 1 | |
| 17 | 31630ZJ0881 | COIL ASSY., CHARGE (12V/3A) | 1 | |
| 19◆ | 30500ZJ1841 | COIL ASSY., IGNITION | 1..... | USE UP TO S/N 2018565 |
| 19◆ | 30500ZJ1842 | COIL ASSY., IGNITION | 1..... | S/N's 2018566~2047154 |
| 19◆ | 30500ZJ1843 | COIL ASSY., IGNITION | 1..... | S/N's 2047155~2049300 |
| 19◆ | 30500ZJ1844 | COIL ASSY., IGNITION | 1..... | USE FROM S/N 2049301 |
| 19◇ | 30500ZJ1844 | COIL ASSY., IGNITION | 1..... | USE UP TO S/N 1020628 |
| 19◇ | 30500ZJ1845 | COIL ASSY., IGNITION | 1..... | USE FROM S/N 1020629 |



- ◆GX610K1VD: Model GA9.7HE DEC. 2003 AND BELOW
- ◇GX610U1VD: Model GA9.7HE APRIL 2008 AND ABOVE

HONDA GX610K1VD/U1VD ENGINE — PISTON ASSY.



HONDA GX610K1VD/U1VD ENGINE — PISTON ASSY.

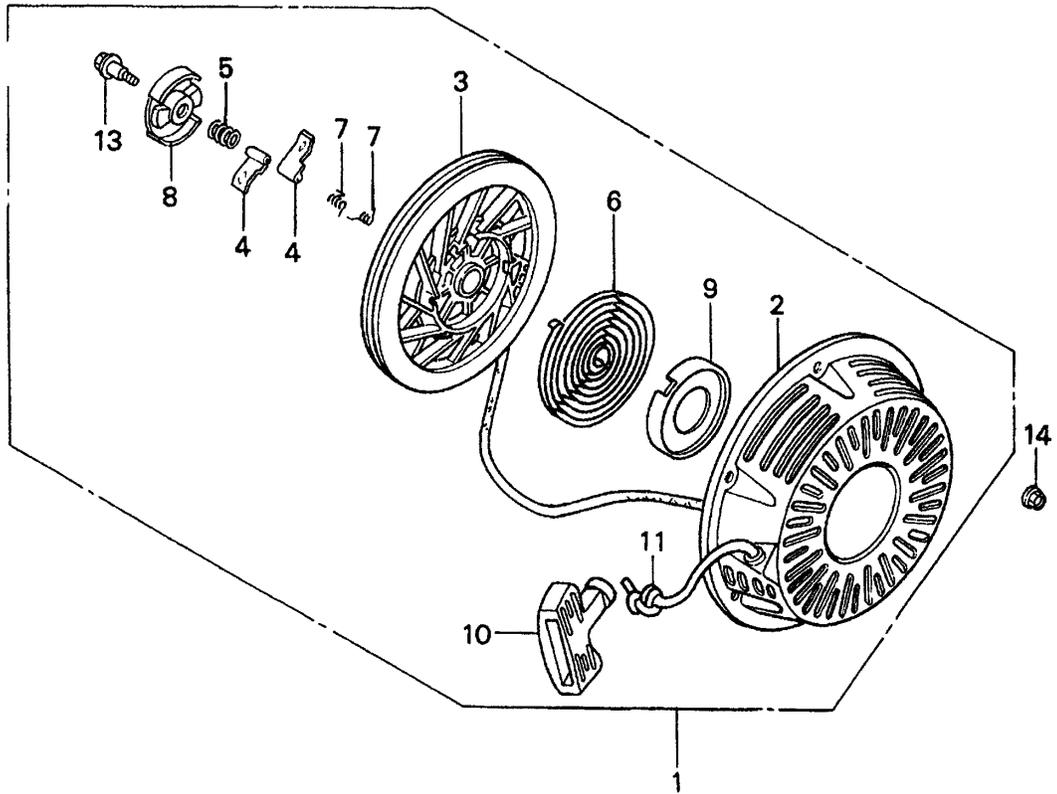
| NO. | PART NO. | PART NAME | QTY. | REMARKS |
|-----|-------------|--|------|-----------------------|
| 1◆ | 13010ZJ1841 | RING SET, PISTON (STD) | 2 | |
| 1◇ | 13010ZJ1841 | RING SET, PISTON (STD) | 2 | UP TO S/N 1077252 |
| 1◇ | 13010Z5H004 | RING SET, PISTON (STD) | 2 | |
| 1◆ | 13011ZJ1841 | RING SET, PISTON (0.25) (OPTIONAL) | 2 | |
| 1◆ | 13011ZJ1841 | RING SET, PISTON (0.25) (OPTIONAL) | 2 | UP TO S/N 1026785 |
| 1◇ | 13011Z5H004 | RING SET, PISTON (0.25) (OPTIONAL) | 1 | |
| 1◆ | 13012ZJ1841 | RING SET, PISTON (0.50) (OPTIONAL) | 2 | |
| 1◇ | 13012ZJ1841 | RING SET, PISTON (0.50) (OPTIONAL) | 2 | UP TO S/N 1077252 |
| 1◇ | 13012Z5H004 | RING SET, PISTON (0.50) (OPTIONAL) | 2 | FROM S/N 1077253 |
| 1◆ | 13013ZJ1841 | RING SET, PISTON (0.75) (OPTIONAL) | 2 | |
| 1◇ | 13013ZJ1841 | RING SET, PISTON (0.75) (OPTIONAL) | 2 | FROM S/N 107752 |
| 1◇ | 13013Z5H004 | RING SET, PISTON (0.75) (OPTIONAL) | 1 | UP TO S/N 1026786 |
| 2◆ | 13101ZJ1840 | PISTON (STD) | 2 | |
| 2◆ | 13102ZJ1840 | PISTON (0.25) | 2 | |
| 2◇ | 13102ZJ1840 | PISTON (0.25) | 2 | UP TO S/N 1077252 |
| 2◇ | 13102ZJ1841 | PISTON (0.25) | 2 | FROM S/N 1077253 |
| 2◆ | 13103ZJ1840 | PISTON (0.50) | 2 | |
| 2◇ | 13103ZJ1841 | PISTON (0.50) | 2 | USE UP TO S/N 1026786 |
| 2◇ | 13103ZJ1840 | PISTON (0.50) | 2 | USE FROM S/N 1077252 |
| 2◆ | 13104ZJ1840 | PISTON (0.75) | 2 | |
| 2◇ | 13104ZJ1841 | PISTON (0.75) | 2 | |
| 2◇ | 13104ZJ1840 | PISTON (0.75) | 2 | USE FROM S/N 1077252 |
| 3 | 13111ZJ1840 | PIN, PISTON | 1 | |
| 4 | 13200ZJ1841 | ROD ASSY., CONNECTING (STD) | 1 | INCLUDES ITEMS W/\$ |
| 5\$ | 90001ZN1000 | BOLT, CONNECTING ROD, 6X37 | 4 | |
| 6◆ | 9460118000 | CLIP, PISTON PIN (18MM) | 4 | |
| 6◇ | 90551ZE1000 | CLIP, PISTON PIN (18MM) | 4 | |



◆GX610K1VD: Model GA9.7HE DEC. 2003 AND BELOW

◇GX610U1VD: Model GA9.7HE APRIL 2008 AND ABOVE

HONDA GX610K1VD/U1VD ENGINE — RECOIL STARTER ASSY.



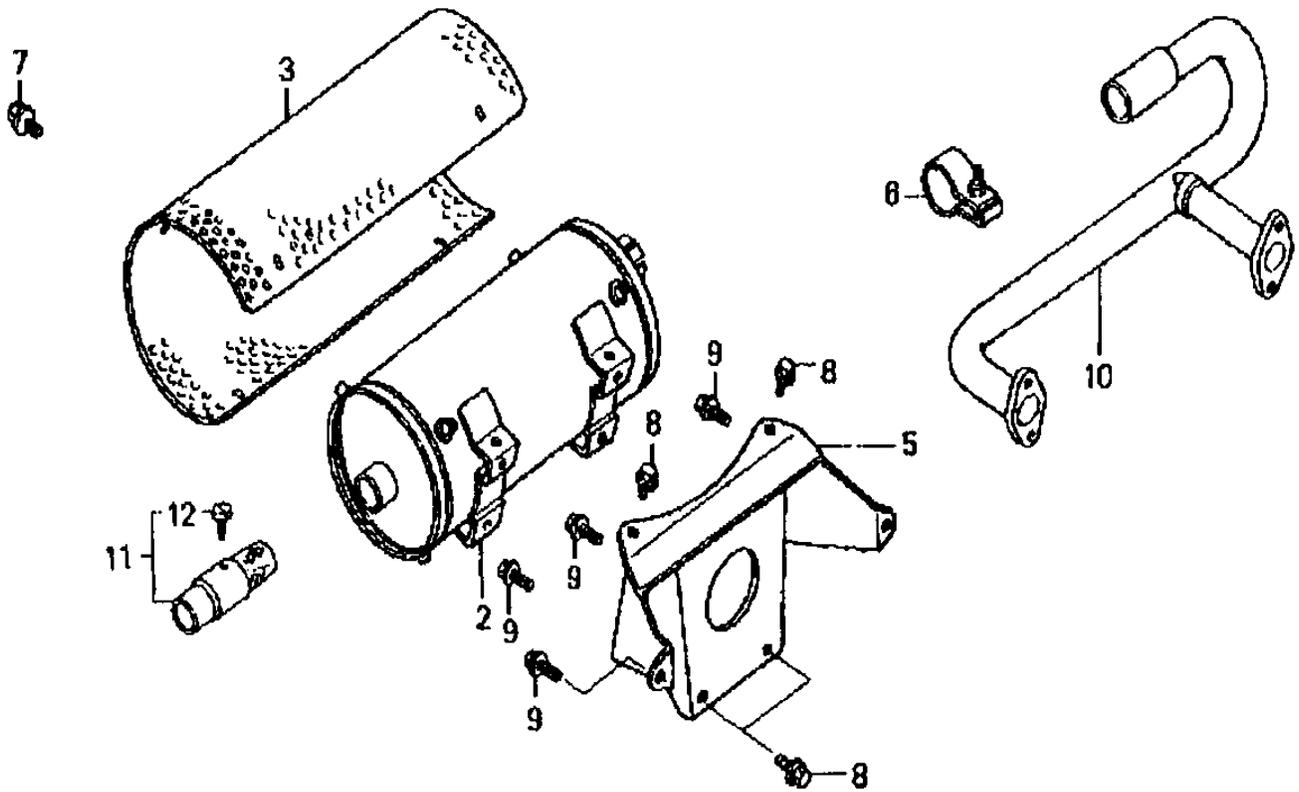
HONDA GX610K1VD/U1VD ENGINE — RECOIL STARTER ASSY.

| NO. | PART NO. | PART NAME | QTY. | REMARKS |
|------|---------------|---|--------|---------------------|
| 1◆ | 28400ZE3W01ZA | STARTER ASSY., RECOIL *R8* (RED)..... | 1..... | INCLUDES ITEMS W/\$ |
| 1◇ | 28400ZE3W01ZP | STARTER ASSY., RECOIL *R280* (RED)..... | 1..... | INCLUDES ITEMS W/\$ |
| 2\$◆ | 28410ZE3W01ZA | CASE, RECOIL STARTER *R8* (RED) | 1 | |
| 2\$◇ | 28410ZE3W01ZP | CASE, RECOIL STARTER *R280* (RED) | 1 | |
| 3\$ | 28421ZE3W01 | PULLEY, RECOIL STARTER | 1 | |
| 4\$ | 28422ZE2W01 | RATCHET, STARTER | 2 | |
| 5\$ | 28441ZE2W01 | SPRING, FRICTION | 1 | |
| 6\$ | 28442ZE2W01 | SPRING, STARTER RETURN | 1 | |
| 7\$ | 28443ZE2W01 | SPRING, RATCHET | 2 | |
| 8\$ | 28444ZE2W01 | RETAINER, SPRING | 1 | |
| 9\$ | 28445ZE2W01 | HOLDER, SPRING | 1 | |
| 10\$ | 28461ZE2W01 | GRIP, STARTER | 1 | |
| 11\$ | 28462ZE3W01 | ROPE, RECOIL STARTER | 1 | |
| 13\$ | 90004ZE2W01 | SCREW, CENTER | 1 | |
| 14 | 9405006070 | NUT, FLANGE (6X10) | 3 | |



- ◆GX610K1VD: Model GAC9.7HZ JULY. 2007 AND BELOW
- ◇ GX610U1VD: Model GAC9.7HZ FEB. 2008 AND ABOVE

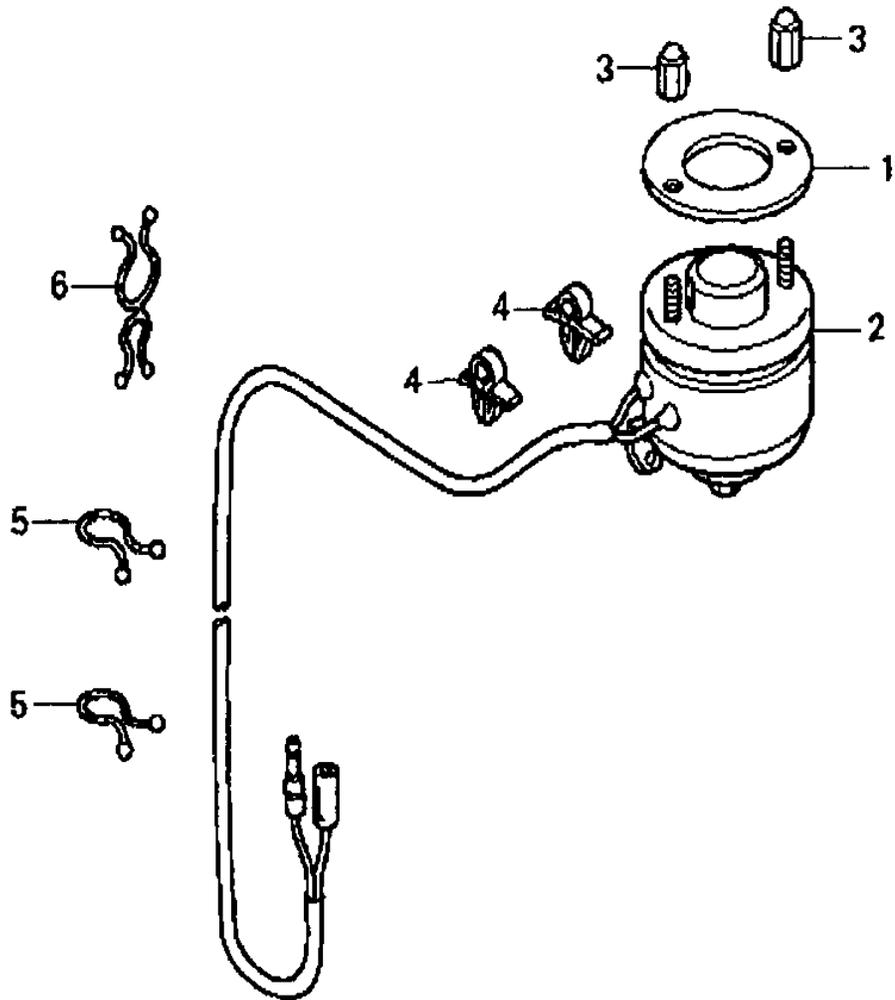
HONDA GX610K1VD/U1VD ENGINE — MUFFLER ASSY.



HONDA GX610K1VD/U1VD ENGINE — MUFFLER ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u> | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|-------------------------|-------------|----------------|
| 2 | 18310ZJ1013 | MUFFLER COMP. | 1 | |
| 3 | 18321ZJ1003 | PROTECTOR,MUFFLER | 1 | |
| 5 | 18338ZJ1841 | STAY, MUFFLER | 1 | |
| 6 | 18396ZJ1003 | BAND ASSY. | 1 | |
| 7 | 957010600800 | BOLT, FLANGE (6X8) | 6 | |
| 8 | 957010801400 | BOLT, FLANGE (8X14) | 4 | |
| 9 | 957010802000 | BOLT, FLANGE (8X20) | 4 | |
| 10 | 18330ZJ1841 | PIPE COMP., EX (HIGH-R) | 1 | |
| 11 | 18355ZJ1003 | ARRESTER, SPARK | 1 | |
| 12 | 90009ZJ1801 | SCREW | 1 | |

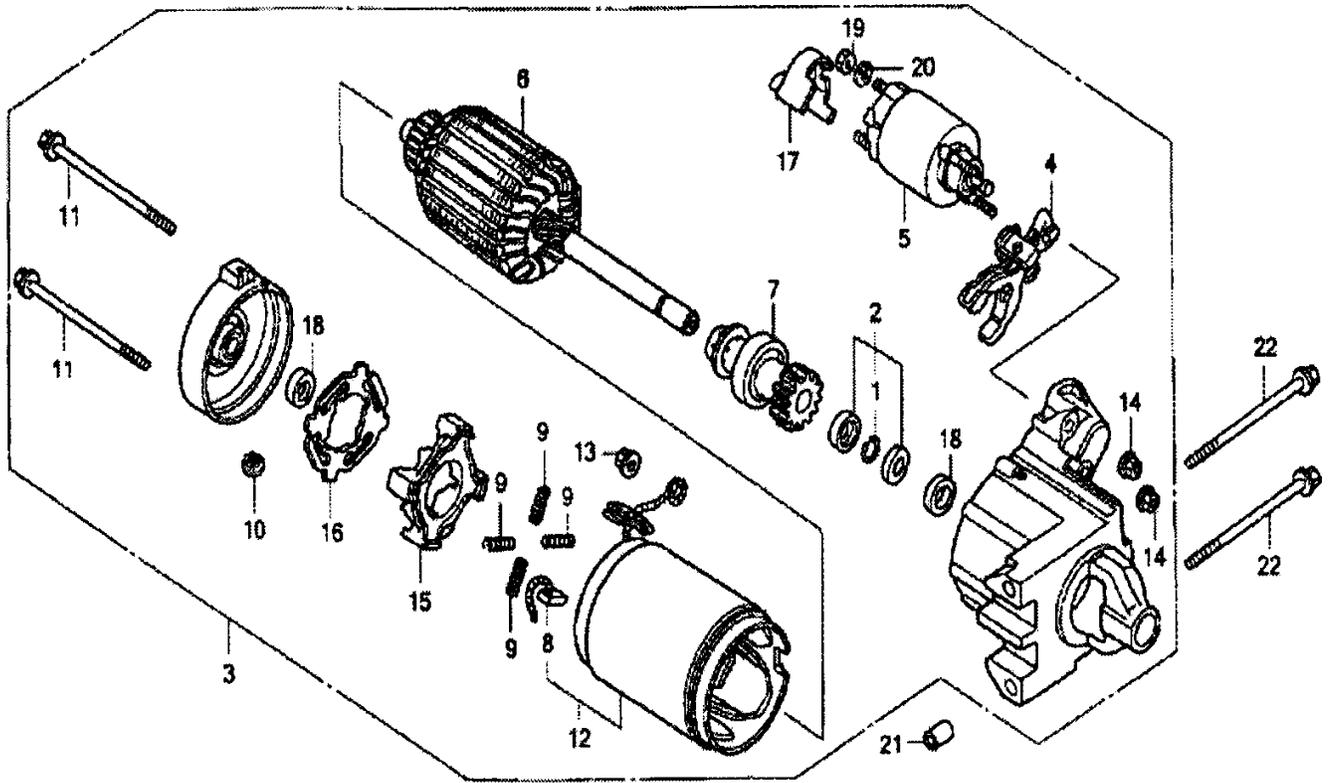
HONDA GX610K1VD/U1VD ENGINE — AUTO THROTTLE ASSY.



HONDA GX610K1VD/U1VD ENGINE — AUTO THROTTLE ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u> | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|--------------------------------|-------------|----------------|
| 1 | 36337ZJ1840 | PLATE SOLENOID | 1 | |
| 2 | 36350ZJ1841 | SOLENOID ASSY., ROTARY | 1 | |
| 3 | 90202ZJ1840 | NUT, SPECIAL CAP | 2 | |
| 4 | 90654SA4003 | CLIP, WIRE HARNESS, 6MM, WHITE | 2 | |
| 5 | 90686459711 | PURSE, LOCK, 8MM | 2 | |
| 6 | 91402ZJ1841 | CLIP, PURSE LOCK | 1 | |

HONDA GX610K1VD/U1VD ENGINE — STARTER MOTOR ASSY.



HONDA GX610K1VD/U1VD ENGINE — STARTER MOTOR ASSY.

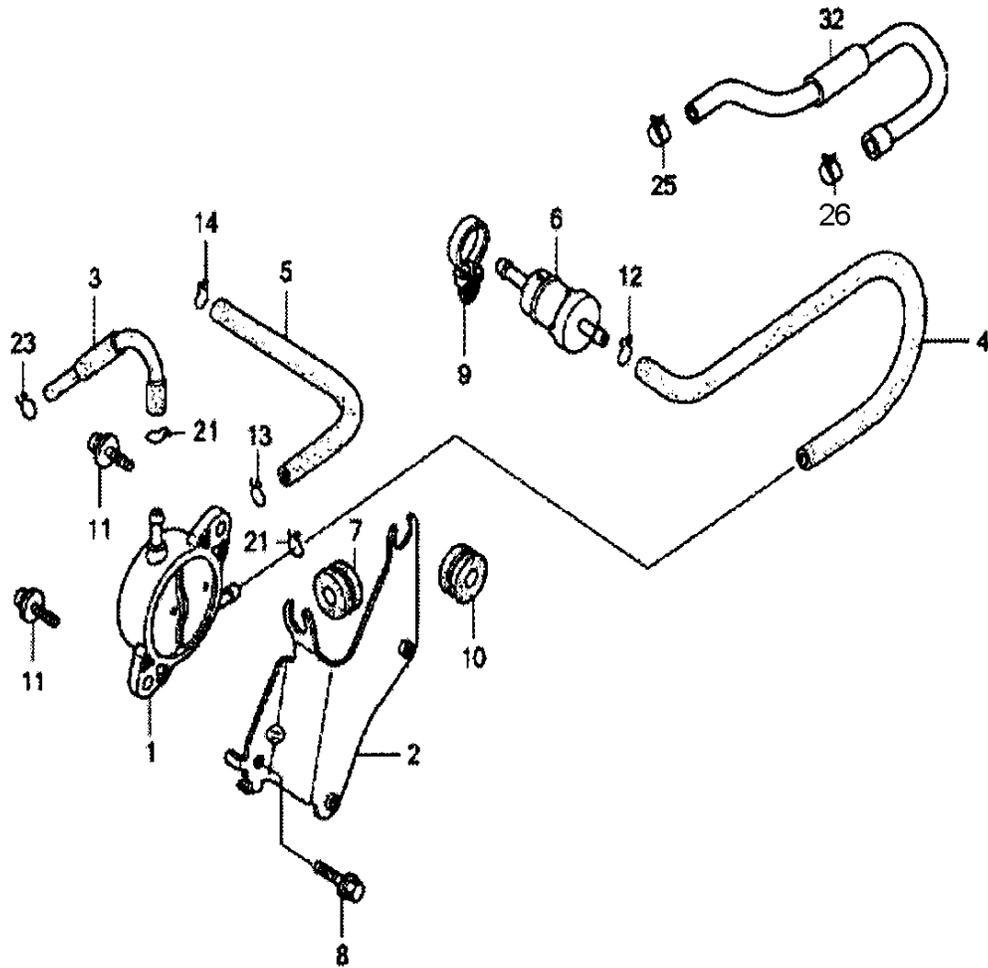
| NO. | PART NO. | PART NAME | QTY. | REMARKS |
|------|--------------|-------------------------|------|--------------------|
| 1# | 30201PH9004 | RING, SNAP | 1 | |
| 2# | 30202PZ1003 | COLLAR SET, CLUTCH STOP | 1 | INCLUDES ITEM W/\$ |
| 3◆ | 31200ZJ1841 | MOTOR ASSY., STARTER | 1 | INCLUDES ITEMS W/# |
| 3◇ | 31200ZJ1842 | MOTOR ASSY., STARTER | 1 | UP TO S/N 1022942 |
| | | | | INCLUDES ITEMS W/# |
| 3◇ | 31200ZJ1841 | MOTOR ASSY., STARTER | 1 | FROM S/N 1064272 |
| | | | | INCLUDES ITEMS W/# |
| 4# | 31203PH904 | LEVER, PINION DRIVE | 1 | |
| 5◆# | 31204ZJ1H01 | SWITCH ASSY., MAGNET | 1 | |
| 5◇# | 31204ZJ1H01 | SWITCH ASSY., MAGNET | 1 | UP TO S/N 1064272 |
| 5◇# | 31204ZJ1H02 | SWITCH ASSY., MAGNET | 1 | FROM S/N 1064273 |
| 6# | 31206ZG4801 | ARMATURE COMP. | 1 | |
| 7# | 31207ZJ1H01 | CLUTCH., OVERRUNNING | 1 | |
| 8#% | 31211PH9004 | BRUSH | 4 | |
| 9# | 31212PH9004 | SPRING, BRUSH | 4 | |
| 10# | 31213P64N01 | COVER | 1 | |
| 11# | 31214PH9004 | BOLT | 2 | |
| 12# | 31218P64N01 | YOKE COMP. | 1 | INCLUDES ITEM W/% |
| 13# | 31220PH9004 | NUT, HEX 8 MM | 1 | |
| 14# | 31223PA0006 | NUT, HEX | 2 | |
| 15# | 31231PH9004 | HOLDER, BRUSH | 1 | |
| 16# | 31233PH9004 | INSULATOR, BRUSH HOLDER | 1 | |
| 17◆# | 31234ZJ1H01 | COVER, TERMINAL | 1 | |
| 17◇# | 31234ZJ1H01 | COVER, TERMINAL | 1 | UP TO S/N 1064272 |
| 17◇# | 31234ZJ1H02 | COVER, TERMINAL | 1 | FROM S/N 1064273 |
| 18# | 91002ZG4801 | BEARING A | 1 | |
| 19# | 94001082000S | NUT, HEX 8 MM | 1 | |
| 20# | 9411108000 | WASHER, SPRING, 8 MM | 1 | |
| 21 | 9430110120 | DOWEL PIN, 10X12 | 2 | |
| 22 | 957010811000 | BOLT, FLANFE 8X110 | 1 | |



◆GX610K1VD: Model GA9.7HE DEC. 2003 AND BELOW

◇GX610U1VD: Model GA9.7HE APRIL 2008 AND ABOVE

HONDA GX610K1VD/U1VD ENGINE — FUEL PUMP ASSY.



HONDA GX610K1VD/U1VD ENGINE — FUEL PUMP ASSY.

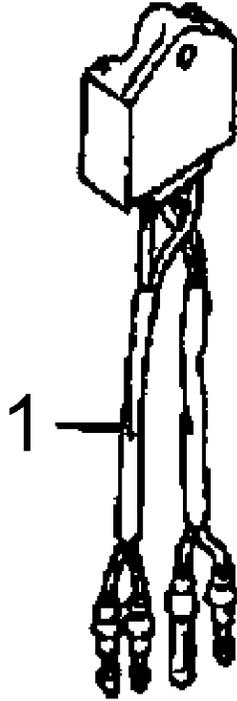
| NO. | PART NO. | PART NAME | QTY. | REMARKS |
|-----|--------------|----------------------------|--------|---------------------------|
| 1◆ | 16700ZJ8003 | PUMP ASSY., FUEL | 1..... | USE UP TO S/N 2022976 |
| 1◆ | 16700ZJ8013 | PUMP ASSY., FUEL | 1..... | USE FROM S/N 2022977 |
| 1◇ | 16700ZJ8013 | PUMP ASSY., FUEL | 1 | |
| 2 | 16711ZJ1840 | STAY, FUEL PUMP | 1 | |
| 3◆ | 16850ZJ1840 | TUBE COMP., FUEL (A) | 1 | |
| 3◇ | 16850Z6C841 | TUBE COMP., FUEL (A) | 1..... | USE UP TO S/N 1013142 |
| 3◇ | 16850Z6C841 | TUBE COMP., FUEL (A) | 1..... | USE S/N's 1013143~1089491 |
| 3◇ | 16850Z6C842 | TUBE COMP., FUEL (A) | 1..... | USE FROM S/N 1089492 |
| 4◆ | 16852ZJ1840 | TUBE B, FUEL | 1 | |
| 4◇ | 16852ZJ1840 | TUBE B, FUEL..... | 1..... | USE UP TO S/N 1013142 |
| 4◇ | 16852ZJ1841 | TUBE B, FUEL..... | 1..... | USE FROM S/N 1072338 |
| 5 | 16882ZJ1840 | TUBE, DIAPHRAGM | 1 | |
| 6 | 16910ZE8015 | STRAINER COMP., FUEL | 1 | |
| 7 | 19111MF5000 | GROMMET, RESERVE TANK | 1 | |
| 8 | 90014952000 | BOLT, FLANGE (6X14) | 1 | |
| 9 | 90617SA0003 | CLIP, WIRE HARNESS | 1 | |
| 10 | 91601ZJ1840 | GROMMET, PUMP STAY | 1 | |
| 11 | 938940601600 | SCREW-WASHER, 6X16 | 2 | |
| 12 | 9500202080 | CLIP, TUBE (B8) | 1 | |
| 13 | 9500202100 | CLIP, TUBE (B10) | 1 | |
| 14 | 9500250000 | CLIP, TUBE (C9) | 1 | |
| 21 | 9500202100 | CLIP, TUBE (B10) | 1 | |
| 23 | 9500202080 | CLIP, TUBE (B8) | 1 | |
| 25◇ | 950024080008 | CLAMP, TUBE (D8)..... | 2..... | USE UP TO S/N 1002961 |
| 26◇ | 950024085008 | CLAMP, TUBE (D8.5)..... | 2..... | USE FROM S/N 1002962 |
| 32◇ | 16855Z6C841 | TUBE COMP. B, FUEL..... | 1..... | USE S/N's 1072339~1089491 |
| 32◇ | 16855Z6C842 | TUBE COMP. B, FUEL..... | 1..... | USE FROM S/N 1089492 |



◆GX610K1VD: Model GA9.7HE DEC. 2003 AND BELOW

◇GX610U1VD: Model GA9.7HE APRIL 2008 AND ABOVE

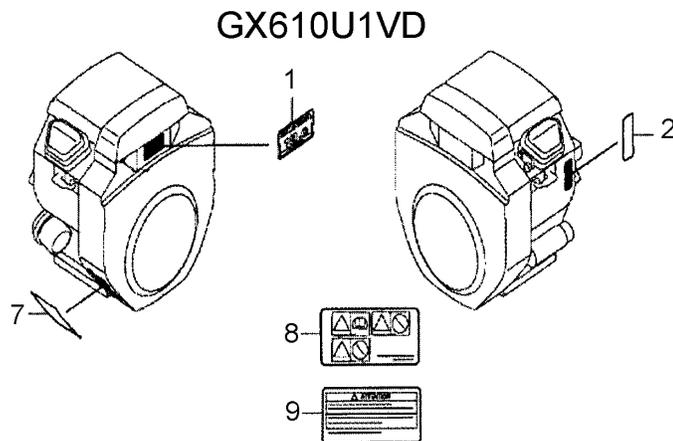
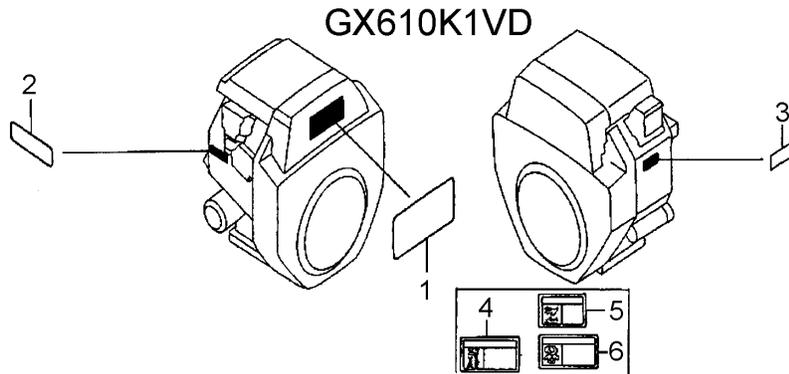
HONDA GX610K1VD/U1VD ENGINE — RECTIFIER ASSY.



HONDA GX610K1VD/U1VD ENGINE — RECTIFIER ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u> | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|----------------------------|-------------|----------------|
| 1# | 31620881A02 | RECTIFIER ASSY., REGULATOR | 1 | |

HONDA GX610K1VD/U1VD— ENGINE DECALS ASSY.



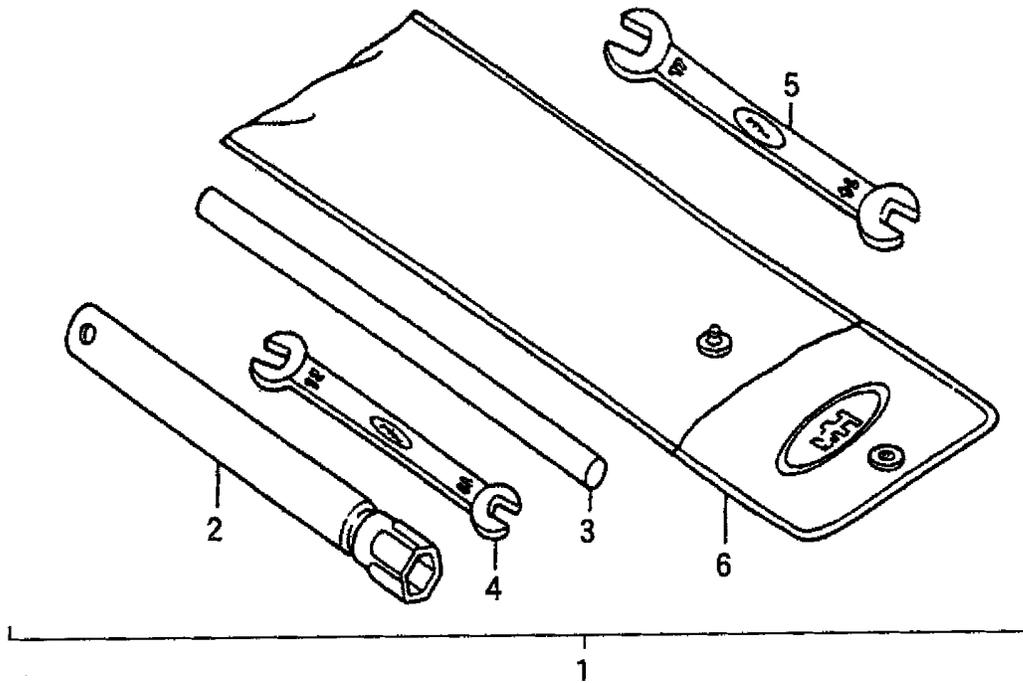
HONDA GX610K1VD/U1VD— ENGINE DECALS ASSY.

| NO. | PART NO. | PART NAME | QTY. | REMARKS |
|-----|-------------|---|--------|-----------------------|
| 1◆ | 87101ZJ0830 | EMBLEM (18.0) | 1..... | USE UP TO S/N 2021866 |
| 1◆ | 87101ZJ0831 | EMBLEM (18.0) | 1..... | USE FROM S/N 2021867 |
| 1◇ | 87101ZJ0831 | EMBLEM (18.0) | 1..... | USE UP TO S/N 1020628 |
| 1◇ | 87101ZJ0832 | EMBLEM (6X610) | 1 | |
| 2◆ | 87152ZJ0000 | LABEL SPECIFICATION..... | 1..... | USE UP TO S/N 2017952 |
| 2◆ | 87152ZJ0010 | LABEL SPECIFICATION (GX610)..... | 1..... | USE UP TO S/N 2017953 |
| 2◇ | 87152ZJ0010 | LABEL SPECIFICATION (GX610) | 1 | |
| 3◆ | 87532ZH8810 | MARK, OIL ALERT, EXTERNAL | 1 | |
| 4◆ | 87106737J00 | MARK, FUEL WARNING | 1 | |
| 5◆ | 87539737J00 | MARK, HEAT CAUTION | 1 | |
| 6◆ | 87561733J00 | MARK EXHAUST WARNING | 1 | |
| 7◇ | 87516ZH7000 | MARK OPERATOR CAUTION (ENGLISH)..... | 1..... | USE UP TO S/N 1036507 |
| 7◇ | 87516ZH7010 | MARK OPERATOR CAUTION (ENGLISH)..... | 1..... | USE FROM S/N 1036508 |
| 7◇ | 87516ZH7810 | MARK OPERATOR CAUTION (PICTOGRAPH) 1 | | |
| 8◇ | 87516ZH7801 | MARK OPERATOR CAUTION (FRENCH)..... | 1..... | USE UP TO S/N 1111458 |
| 9◇ | 87519ZH7000 | MARK OPERATOR CAUTION (PICTOGRAPH) 1..... | 1..... | USE UP TO S/N 1111458 |



- ◆GX610K1VD: Model GA9.7HE DEC. 2003 AND BELOW
- ◇GX610U1VD: Model GA9.7HE APRIL 2008 AND ABOVE

HONDA GX610K1VD/U1VD ENGINE — TOOL KIT



HONDA GX610K1VD/U1VD ENGINE — TOOL KIT

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u> | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|---------------------------|-------------|--------------------|
| 1 | 89000ZE1000 | TOOL KIT..... | 1..... | INCLUDES ITEMS W/# |
| 2# | 89218ZE1000 | WRENCH COMP. (SPARK PLUG) | 1 | |
| 3# | 89219805000 | HANDLE, BOX WRENCH | 1 | |
| 4# | 9900110120 | SAPNNER, 10X12 | 1 | |
| 5# | 9900114170 | SAPNNER, 14X17 | 1 | |
| 6# | 9900802300 | BAG TOOL | 1 | |

TERMS AND CONDITIONS OF SALE — PARTS

PAYMENT TERMS

Terms of payment for parts are net 30 days.

FREIGHT POLICY

All parts orders will be shipped collect or prepaid with the charges added to the invoice. All shipments are F.O.B. point of origin. Multiquip's responsibility ceases when a signed manifest has been obtained from the carrier, and any claim for shortage or damage must be settled between the consignee and the carrier.

MINIMUM ORDER

The minimum charge for orders from Multiquip is \$15.00 net. Customers will be asked for instructions regarding handling of orders not meeting this requirement.

RETURNED GOODS POLICY

Return shipments will be accepted and credit will be allowed, subject to the following provisions:

1. A Returned Material Authorization must be approved by Multiquip prior to shipment.
2. To obtain a Return Material Authorization, a list must be provided to Multiquip Parts Sales that defines item numbers, quantities, and descriptions of the items to be returned.
 - a. The parts numbers and descriptions must match the current parts price list.
 - b. The list must be typed or computer generated.
 - c. The list must state the reason(s) for the return.
 - d. The list must reference the sales order(s) or invoice(s) under which the items were originally purchased.
 - e. The list must include the name and phone number of the person requesting the RMA.
3. A copy of the Return Material Authorization must accompany the return shipment.
4. Freight is at the sender's expense. All parts must be returned freight prepaid to Multiquip's designated receiving point.

5. Parts must be in new and resalable condition, in the original Multiquip package (if any), and with Multiquip part numbers clearly marked.
6. The following items are not returnable:
 - a. Obsolete parts. (If an item is in the price book and shows as being replaced by another item, it is obsolete.)
 - b. Any parts with a limited shelf life (such as gaskets, seals, "O" rings, and other rubber parts) that were purchased more than six months prior to the return date.
 - c. Any line item with an extended dealer net price of less than \$5.00.
 - d. Special order items.
 - e. Electrical components.
 - f. Paint, chemicals, and lubricants.
 - g. Decals and paper products.
 - h. Items purchased in kits.
7. The sender will be notified of any material received that is not acceptable.
8. Such material will be held for five working days from notification, pending instructions. If a reply is not received within five days, the material will be returned to the sender at his expense.
9. Credit on returned parts will be issued at dealer net price at time of the original purchase, less a 15% restocking charge.
10. In cases where an item is accepted, for which the original purchase document can not be determined, the price will be based on the list price that was effective twelve months prior to the RMA date.
11. Credit issued will be applied to future purchases only.

PRICING AND REBATES

Prices are subject to change without prior notice. Price changes are effective on a specific date and all orders received on or after that date will be billed at the revised price. Rebates for price declines and added charges for price increases will not be made for stock on hand at the time of any price change.

Multiquip reserves the right to quote and sell direct to Government agencies, and to Original Equipment Manufacturer accounts who use our products as integral parts of their own products.

SPECIAL EXPEDITING SERVICE

A \$35.00 surcharge will be added to the invoice for special handling including bus shipments, insured parcel post or in cases where Multiquip must personally deliver the parts to the carrier.

LIMITATIONS OF SELLER'S LIABILITY

Multiquip shall not be liable hereunder for damages in excess of the purchase price of the item with respect to which damages are claimed, and in no event shall Multiquip be liable for loss of profit or good will or for any other special, consequential or incidental damages.

LIMITATION OF WARRANTIES

No warranties, express or implied, are made in connection with the sale of parts or trade accessories nor as to any engine not manufactured by Multiquip. Such warranties made in connection with the sale of new, complete units are made exclusively by a statement of warranty packaged with such units, and Multiquip neither assumes nor authorizes any person to assume for it any other obligation or liability whatever in connection with the sale of its products. Apart from such written statement of warranty, there are no warranties, express, implied or statutory, which extend beyond the description of the products on the face hereof.

Effective: February 22, 2006

OPERATION AND PARTS MANUAL

HERE'S HOW TO GET HELP

PLEASE HAVE THE MODEL AND SERIAL
NUMBER ON-HAND WHEN CALLING

UNITED STATES

Multiquip Corporate Office

18910 Wilmington Ave. Tel. (800) 421-1244
Carson, CA 90746 Fax (800) 537-3927
Contact: mq@multiquip.com

Mayco Parts

800-306-2926 Fax: 800-672-7877
310-537-3700 Fax: 310-637-3284

Service Department

800-421-1244 Fax: 310-537-4259
310-537-3700

MQ Parts Department

800-427-1244 Fax: 800-672-7877
310-537-3700 Fax: 310-637-3284

Warranty Department

800-421-1244, Ext. 279 Fax: 310-537-1173
310-537-3700, Ext. 279

Technical Assistance

800-478-1244 Fax: 310-631-5032

MEXICO

MQ Cipsa

Carr. Fed. Mexico-Puebla KM 126.5 Tel: (52) 222-225-9900
Momoxpan, Cholula, Puebla 72760 Mexico Fax: (52) 222-285-0420
Contact: pmastretta@cipsa.com.mx

CANADA

Multiquip

4110 Industriel Boul. Tel: (450) 625-2244
Laval, Quebec, Canada H7L 6V3 Tel: (877) 963-4411
Contact: jmartin@multiquip.com Fax: (450) 625-8664

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Dukinfield, Cheshire SK16 4UJ
Contact: sales@multiquip.co.uk

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