WARNING

CALIFORNIA — Proposition 65 Warning

Engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.
HERE'S HOW TO GET HELP

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

MULTIQUIP CORPORATE OFFICE
18910 Wilmington Ave. 800-421-1244
Carson, CA 90746 FAX: 310-537-3927
Email: mq@multiquip.com
Internet: www.multiquip.com

PARTS DEPARTMENT
800-427-1244 FAX: 800-672-7877
310-537-3700 FAX: 310-637-3284

MAYCO PARTS
800-306-2926 FAX: 800-672-7877
310-537-3700 FAX: 310-637-3284

SERVICE DEPARTMENT
800-478-1244 FAX: 310-537-4259
310-537-3700

TECHNICAL ASSISTANCE
800-421-1244 FAX: 310-631-5032

WARRANTY DEPARTMENT
800-421-1244, EXT. 279 FAX: 310-537-1173
310-537-3700, EXT. 279

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This manual MUST accompany the equipment at all times. This manual is considered a permanent part of the equipment and should remain with the unit if resold.

The information and specifications included in this publication were in effect at the time of approval for printing. Illustrations are based on the Mikasa MVH-R60H Plate Compactor. Illustrations, descriptions, references and technical data contained in this manual are for guidance only and may not be considered as binding. Multiquip Inc. reserves the right to discontinue or change specifications, design or the information published in this publication at any time without notice and without incurring any obligations.

To find the latest revision of this publication, visit our website at:
www.multiquip.com
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**NOTE**

Specification and part number are subject to change without notice.
When ordering parts, please supply the following information:

- Dealer account number
- 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:
  - FedEx or UPS Ground
  - FedEx or UPS Second Day or Third Day
  - FedEx or UPS Next Day
  - Federal Express Priority One
  - DHL
  - Truck

Note: Unless otherwise indicated by customer, all orders are treated as “Standard Orders”, and will ship within 24 hours. We will make every effort to ship “Air Shipments” the same day that the order is received, if prior to 2PM west coast time. “Stock Orders” must be so noted on fax or web forms.

Place Your Parts Order Via Web or Fax For Even More Savings!
(Domestic USA Dealers Only)

Extra Discounts!
All parts orders which include complete part numbers and are received by our automated web parts order system, or by fax quality for the following extra discounts:

<table>
<thead>
<tr>
<th>Order Method</th>
<th>Standard Orders ($750 list and above)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fax</td>
<td>3%</td>
</tr>
<tr>
<td>Web</td>
<td>5%</td>
</tr>
<tr>
<td>Stock orders</td>
<td>10%</td>
</tr>
</tbody>
</table>

Special freight allowances when you order 10 or more line items via Web or Fax!!

FedEx Ground Service at no charge for freight

No other allowances on freight shipped by any other carrier.

**Common nuts, bolts and washers (all items under $1.00 list price) do not count towards the 10+ line items.

NOTE: DISCOUNTS ARE SUBJECT TO CHANGE

Direct TOLL-FREE access to our Parts Department:

Toll-free nationwide — 800-427-1244
Toll-free FAX — 800-6-PARTS-7 (800/672-7877)
### TABLE 1. MVH-R60H REVERSIBLE PLATE COMPACTOR SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>MVH-R60H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Centrifugal Force</td>
<td>3,100 lbs. (1,400 kg.)</td>
</tr>
<tr>
<td>Number of Vibrations</td>
<td>6,000 v/min.</td>
</tr>
<tr>
<td>Traveling Speed</td>
<td>82 ft./min (25 meters/min.)</td>
</tr>
<tr>
<td>Lubricating Oil in Vibration Case</td>
<td>17.92 fl. oz. (530 cc.)</td>
</tr>
<tr>
<td>Plate Size (LxW)</td>
<td>18.9 x 13.8 in. (480 x 350 mm.)</td>
</tr>
<tr>
<td>Operating Weight</td>
<td>141 lbs. (64 kg.)</td>
</tr>
</tbody>
</table>

### TABLE 2. SPECIFICATIONS (ENGINE)

<table>
<thead>
<tr>
<th>Engine</th>
<th>Model</th>
<th>Honda GX120K1SM12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Type</td>
<td>Air-cooled 4 stroke, Single Cylinder, OHV, Horizontal Shaft Gasoline Engine</td>
</tr>
<tr>
<td>Type</td>
<td>Bore X Stroke</td>
<td>2.4 in. x 1.7 in. (60 mm x 42 mm)</td>
</tr>
<tr>
<td></td>
<td>Displacement</td>
<td>119 cc (7.2 cu-in)</td>
</tr>
<tr>
<td></td>
<td>Max Output</td>
<td>4.0 H.P./3600 R.P.M.</td>
</tr>
<tr>
<td></td>
<td>Fuel Tank Capacity</td>
<td>0.66 US gal. (2.5 liters)</td>
</tr>
<tr>
<td></td>
<td>Fuel</td>
<td>Unleaded Automobile Gasoline</td>
</tr>
<tr>
<td></td>
<td>Lube Oil Capacity</td>
<td>.60 liters (0.63 qts)</td>
</tr>
<tr>
<td></td>
<td>Speed Control Method</td>
<td>Centrifugal Fly-weight Type</td>
</tr>
<tr>
<td></td>
<td>Starting Method</td>
<td>Recoil Start</td>
</tr>
<tr>
<td>Dimension - (L x W x H)</td>
<td>11.7 x 13.4 x 12.5 in. (297 x 341 x 318 mm)</td>
<td></td>
</tr>
<tr>
<td>Dry Net Weight</td>
<td>28.7 lbs (13 Kg.)</td>
<td></td>
</tr>
</tbody>
</table>
Figure 1. MVH-R60H Dimensions

<table>
<thead>
<tr>
<th>REF.</th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>45 in. (134.6 cm.)</td>
</tr>
<tr>
<td>B</td>
<td>22 in. (61 cm.)</td>
</tr>
<tr>
<td>C</td>
<td>13 in. (86 cm.)</td>
</tr>
<tr>
<td>D</td>
<td>41 in. (162 cm.)</td>
</tr>
<tr>
<td>E</td>
<td>35 in. (97 cm.)</td>
</tr>
<tr>
<td>F</td>
<td>25 in. (97 cm.)</td>
</tr>
<tr>
<td></td>
<td><strong>Shipping Dimensions</strong>: 14.5 x 23 x 43 in. (36.8 x 58.4 x 109 cm.)</td>
</tr>
</tbody>
</table>
This Owner’s Manual has been developed to provide complete instructions for the safe and efficient operation of the Multiquip MVC-R60H Plate Compactor. Refer to the engine manufacturer’s instructions for data relative to its safe operation.

Before using this plate compactor, ensure that the operating individual has read and understands all instructions in this manual.

The three (3) 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 three words: DANGER, WARNING, or CAUTION.

**DANGER**
You **WILL** be **KILLED** or **SERIOUSLY** injured if you **DO NOT** follow directions.

**WARNING**
You **CAN** be **KILLED** or **SERIOUSLY** injured if you **DO NOT** follow directions.

**CAUTION**
You **CAN** be **INJURED** if you **DO NOT** follow directions.

Potential hazards associated with the operation of an MVH-R60H Plate Compactor will be referenced with Hazard Symbols which appear throughout this manual, and will be referenced in conjunction with Safety Message Alert Symbols.

**HAZARD SYMBOLS**

**WARNING** - Lethal Exhaust Gasses
Engine exhaust gases contain poisonous carbon monoxide. This gas is colorless and odorless, and can cause death if inhaled. **NEVER** operate this equipment in a confined area or enclosed structure that does not provide ample free flow air.

**WARNING** - Explosive Fuel
Gasoline is extremely flammable, and its vapors can cause an explosion if ignited. **DO NOT** start the engine near spilled fuel or combustible fluids. **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 approved containers, in well-ventilated areas and away from sparks and flames.

**WARNING** - Burn Hazards
Engine components can generate extreme heat. To prevent burns, **DO NOT** touch these areas while the engine is running or immediately after operations. Never operate the engine with heat shields or heat guards removed.

**CAUTION** - Respiratory Hazard
**ALWAYS** wear approved *respiratory* protection when required.
**CAUTION - Rotating Parts**

NEVER operate equipment with covers, or guards removed. Keep fingers, hands, hair and clothing away from all moving parts to prevent injury.

**CAUTION - Accidental Starting**

ALWAYS place the power source, circuit breakers or ON/OFF switch in the OFF position, when the generator is not in use, unless connected to transfer switch.

**CAUTION - Sight and Hearing Hazards**

ALWAYS wear approved eye and hearing protection.

**CAUTION - Equipment Damage Messages**

Other important messages are provided throughout this manual to help prevent damage to your light tower, other property, or the surrounding environment.

This reversible plate compactor, other property, or the surrounding environment could be damaged if you do not follow instructions.
MVH-R60H — RULES FOR SAFE OPERATION

**WARNING - Read This Manual**

Failure to follow instructions in this manual may lead to **Serious Injury** or even **Death**. This equipment is to be operated by trained and qualified personnel only! This equipment is for industrial use only.

The following safety guidelines should always be used when operating the Mikasa MVH-R60H Reversible Plate Compactor:

**Safety:**

- **DO NOT** operate or service this equipment before reading this entire manual.
- This equipment should not be operated by persons under 18 years of age.
- **NEVER** operate this equipment without proper protective clothing, shatterproof glasses, steel-toed boots and other protective devices required by the job.
- **NEVER** operate this equipment when not feeling well due to fatigue, illness or taking medicine.
- **NEVER** operate this equipment under the influence of **drugs** or **alcohol**.

- **NEVER** use accessories or attachments, which are not recommended by Multiquip for this equipment. Damage to the equipment and/or injury to user may result.
- Manufacturer does not assume responsibility for any accident due to equipment modifications. Unauthorized equipment modification will void all warranties.
- Whenever necessary, replace nameplate, operation and safety decals when they become difficult read.
- **ALWAYS** check all the bolts on the light tower for tightness.
- **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.

- **NEVER** touch the hot exhaust manifold, muffler or cylinder. Allow these parts to cool before servicing engine or generator.
- **High Temperatures** — Allow the engine to cool before adding fuel or performing service and maintenance functions. Contact with hot components can cause serious burns.

- The engine of this reversible plate compactor requires an adequate free flow of cooling air. **NEVER** operate the reversible plate compactor in any enclosed or narrow area where free flow of the air is restricted. If the air flow is restricted it will cause serious damage to the reversible plate compactor or engine and may cause injury to people and property. Remember the vibration roller's engine gives off **DEADLY** gases.

- **ALWAYS** refuel in a well-ventilated area, away from sparks and open flames.

- **ALWAYS** use extreme caution when working with **flammable** liquids. When refueling, **stop the engine and allow it to cool. DO NOT smoke** around or near the machine. Fire or explosion could result from fuel vapors, or if fuel is spilled on a hot engine.

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

- Topping-off to filler port is dangerous, as it tends to spill fuel.
- **ALWAYS** store the reversible plate compactor in a clean, dry location out of the reach of children.
- **NEVER** run engine without air cleaner. Severe engine damage may occur.
- **NEVER** leave the reversible plate compactor unattended, turn off engine.

- **CAUTION** must always be observed while servicing this reversible plate compactor. Rotating parts can cause injury if contacted.

- **DO NOT** leave reversible plate compactor with engine running.
MVH-R60H — RULES FOR SAFE OPERATION

Loading and Unloading (Crane):
■ Before lifting, make sure that machine parts (hook and vibration insulator) are not damaged and screws are not loosened or lost.
■ Always make sure crane or lifting device has been properly secured to the hook of guard frame on compactor.
■ NEVER lift the machine while the engine is running.
■ Use adequate lifting cable (wire or rope) of sufficient strength.
■ Use one point suspension hook and lift straight upwards.
■ NEVER allow any person or animal to stand underneath the machine while lifting.
■ Try not to lift machine to unnecessary heights.

Transporting:
■ ALWAYS shutdown engine before transporting.
■ Tighten fuel tank cap securely and close fuel cock to prevent fuel from spilling.
■ Drain fuel when transporting compactor over long distances or bad roads.
■ ALWAYS tie down the compactor during transportation by securing the compactor's guard frame with rope.

Maintenance Safety:
■ NEVER lubricate components or attempt service on a running machine.
■ ALWAYS allow the machine a proper amount of time to cool before servicing.
■ Keep the machinery in proper running condition.
■ Fix damage to the machine immediately and always replace broken parts.
■ 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.

Emergencies:
■ ALWAYS know the location of the nearest fire extinguisher.
■ ALWAYS know the location of the nearest first aid kit.
■ In emergencies 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.
Machine Safety Decals

The MVH-R60H Reversible Plate Compactor is equipped with a number of safety decals. These decals are provided for operator safety and maintenance information. The illustration below shows these decals as they appear on the machine. Should any of these decals become unreadable, replacements can be obtained from your dealer.

---

**Figure 2. Operation and Safety Decals**

- **DANGER FUEL**
- **DANGER LIFTING**
- **CAUTION READ**
- **CAUTION MOVING PARTS**
- **WARNING NOISE**
- **WARNING HOT TEMP.**
- **CAUTION MOVING PARTS**
- **CAUTION MOVING PARTS**

**OPERATIONAL CAUTION**

- Prior to OPERATION, check engine oil and fuel levels. If not enough, add to proper levels.
- Warm up engine at low speed for 3 to 5 minutes.
- Operate machine at full throttle speed. (Incorrect clutch engagement causes clutch to burn.)
- Use travel lever to travel in reverse motion. Do not push or pull travel lever strongly.

---

P/N: 920207420

V belt RPF-3320

P/N: 920209520
Definition of Plate Compactor
The Mikasa MVH-R60H is a walk-behind, reversible plate compactor design for the compaction of sand, clay and asphalt. This plate compactor is a powerful compacting tool capable of applying a tremendous force in consecutive high frequency vibrations to a soil surface. Its applications include soil compacting for road, embankments and reservoirs as well as backfilling for gas pipelines, water pipelines and cable installation work.

Vibratory Plates
The vibratory plates of the MVH-R60H produce low amplitude high frequency vibrations, designed to compact granular soils. The resulting vibrations cause forward motion. The engine and handle are vibration isolated from the vibrating plate. The heavier the plate, the more compaction force it generates.

Reversible Vibratory Plates
Reversible vibratory plates have two eccentric weights that allow a smooth transition for forward and reverse travel, plus increased compaction force as the result of dual weights. Due to their weight and force, reversible plates are ideal for semi-cohesive soils.

Frequency/Speed
The compactor's vibrating plate has a frequency of 6000 vpm (vibrations per minute). The forward and reverse travel speed of the compactor is approximately 82 ft./minute (25 meters/minute).

Engine
The Mikasa MVH-R60H Reversible Plate Compactor is equipped with an Honda GX120K1SM12 gasoline engine.

Controls
Before starting the MVH-R60H Reversible Plate Compactor, identify and understand the function of the controls and components as indicated on Figure 3.
Figure 3 shows the location of the controls, indicators and general maintenance parts. The function of each control is described below:

1. **Breather Cap** – Remove this cap to bleed (remove air) the hydraulic system. When replacing hydraulic oil, use “Shell Tellus #46 or equivalent”.

2. **Hand Grip** – When operating the compactor use this hand grip to maneuver the compactor.

3. **Handle Lock** – Pull handle bar downward (working position), then pull handle lock to lock handle bar in place.

4. **Vibration Case Oil Level Check Plug** – Remove this plug to check the vibration case oil. Oil level should be all the way up to the filler port. When replacing vibration case oil, use 10W-30 engine oil.

5. **Handle Bar (working position)** – When operating the compactor, this handle is to be in the downward position.

6. **Gasoline Engine** – This plate compactor uses a Honda GX120K1SM12 engine. Refer to the engine owners manual for engine information and related topics.

7. **Belt Cover** – Remove this cover to gain access to the V-belts.

![CAUTION - V-belt Safety](image)

NEVER attempt to check the V-belt with the engine running or operate the machine with the cover removed. Severe injury can occur if your hand gets caught between the V-belt and the clutch. Always use safety gloves.

8. **Vibration Case** – Encloses the eccentric, gears and counter weights.

9. **Forward & Reverse Lever** – **Push** the lever forward, the compactor will move in a forward direction, **pull** the lever backwards, the compactor will move in backwards direction. Placing the lever in the middle (midway) will cause the compactor not to move (neutral).

10. **Throttle Control** – Move the throttle lever to the **rabbit** position for full throttle (max RPM’s), for engine idle, move the throttle lever to the **turtle** position.

11. **Water Tank** – Optional water tank used for dust control and as a compaction aid. Attaches to the front of the R60’s frame.
INITIAL SERVICING
The engine (Figure 4) must be checked for proper lubrication and filled with fuel prior to operation. Refer to the manufacturer’s Engine manual for instructions & details of operation and servicing.

1. **Fuel Filler Cap** – Remove this cap to add unleaded gasoline to the fuel tank. Make sure cap is tightened securely. **DO NOT** over fill.

2. **Throttle Lever** – Used to adjust engine RPM speed (lever advanced forward **SLOW**, lever back toward operator **FAST**).

3. **Engine ON/OFF Switch** – **ON** position permits engine starting, **OFF** position stops engine operations.

4. **Recoil Starter (pull rope)** – Manual-starting method. Pull the starter grip until resistance is felt, then pull briskly and smoothly.

5. **Fuel Valve Lever** – **OPEN** to let fuel flow, **CLOSE** to stop the flow of fuel.

6. **Choke Lever** – Used in the starting of a cold engine, or in cold weather conditions. The choke enriches the fuel mixture.

7. **Air Cleaner** – Prevents dirt and other debris from entering the fuel system. Remove wing-nut on top of air filter cannister to gain access to filter element.

**CAUTION - Fueling The Engine**
Adding fuel to the tank should be done only when the engine is stopped and has had an opportunity to cool down. In the event of a fuel spill, **DO NOT** attempt to start the engine until the fuel residue has been completely wiped up, and the area surrounding the engine is dry.

**CAUTION - Burn Hazard**
Engine components can generate extreme heat. To prevent burns, **DO NOT** touch these areas while the engine is running or immediately after operating. **NEVER** operate the engine with the muffler removed.

8. **Spark Plug** – Provides spark to the ignition system. Set spark plug gap to 0.6 - 0.7 mm (0.028 - 0.031 inch) for Honda engine. Clean spark plugs once a week.

9. **Muffler** – Used to reduce noise and emissions.

10. **Fuel Tank** – Holds unleaded gasoline. For additional information refer to engine owner’s manual.
CAUTION - General Safety Precautions

NEVER operate the compactor in a confined area or enclosed area structure that does not provide ample free flow of air.

ALWAYS wear approved eye and hearing protection before operating the compactor.

**Before Starting:**

1. Read safety instructions at the beginning of manual.
2. Remove dirt and dust, particularly in the engine cooling air inlet, carburetor and air cleaner.
3. Check the air filter for dirt and dust. If air filter is dirty, clean the air filter using compressed air, or replace the air filter with a new one as necessary.
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 plate compactor on secure level ground with the engine stopped.
2. Remove the filler cap/dipstick from the engine oil filler hole (Figure 5) and wipe it clean.

**Figure 5. Engine Oil Dipstick**

3. Insert and remove the dipstick without screwing it into the filler neck. Check the oil level shown on the dipstick.
4. If the oil level is low (Figure 6), fill to the edge of the oil filler hole with the recommended oil type (Table 4). Maximum oil capacity is 400 cc.

**Figure 6. Engine Oil Dipstick**

The Oil Alert system will automatically stop the engine before the engine falls below safe limits. Always be sure to check the engine oil level prior to starting the engine.

**Table 4. Oil Type**

<table>
<thead>
<tr>
<th>Season</th>
<th>Temperature</th>
<th>Oil Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer</td>
<td>(25°C or Higher)</td>
<td>SAE 10W-30</td>
</tr>
<tr>
<td>Spring/Fall</td>
<td>(25°C–10°C)</td>
<td>SAE 10W-30/20</td>
</tr>
<tr>
<td>Winter</td>
<td>Lower than 10°C</td>
<td>SAE 10W-10</td>
</tr>
</tbody>
</table>

**Fuel Check**

1. Remove the cap located on top of fuel tank.
2. Visually inspect to see if fuel level is low. If fuel is low, replenish with unleaded fuel.
3. When refueling, be sure to use a strainer for filtration. DO NOT top-off fuel. Wipe up any spilled fuel.

**WARNING - Explosive Fuel**

Gasoline is extremely flammable, and its vapors can cause an explosion if ignited. DO NOT start the engine near spilled fuel or combustible fluids. DO NOT smoke while refueling. DO NOT attempt to refuel the pump if the engine is hot! or running.
This section is intended to assist the operator with the initial start-up of the compactor. It is extremely important that this section be read carefully before attempting to use the compactor in the field.

1. Place the fuel valve lever (Figure 7) in the ON position.

![Figure 7. Fuel Valve Lever](image)

2. Place the Engine ON/OFF switch (Figure 8) in the ON position.

![Figure 8. Engine ON/Off Switch](image)

3. Place the Choke Lever (Figure 9) in the OPEN position.

![Figure 9. Choke Lever](image)

The CLOSED position of the choke lever enriches the fuel mixture for starting a COLD engine. The OPEN position provides the correct fuel mixture for normal operation after starting, and for restarting a warm engine.

4. Place the throttle lever halfway between FAST and SLOW. This compactor is equipped with a throttle lever (Figure 10) that is located in the vicinity of the hydraulic pump. This throttle lever is connected to the engine throttle linkage.

![Figure 10. Engine Throttle Lever](image)

5. Grasp the starter grip (Figure 11) and slowly pull it out. The resistance becomes the hardest at a certain position, corresponding the compression point. Rewind the rope a little from that point and pull out sharply.

![Figure 11. Starter Grip](image)

**CAUTION - Using the Recoil Starter Rope**

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.

6. If the engine has started, slowly return the choke lever (Figure 11) to the CLOSED position. If the engine has not started repeat steps 1 through 5.

7. Before the compactor is put into operation run the engine for 3-5 minutes.

8. Check for abnormal engine noises or fuel leaks.
MVH-R60H — SHUT-DOWN PROCEDURES

Stopping the Engine

**CAUTION - Stopping the engine while working**

NEVER stop the engine suddenly while working at high speeds. This can damage your engine.

1. Place the **throttle lever** (Figure 12) in **SLOW** position, and listen for the engine speed to decrease.

![Figure 12. Throttle Lever (SLOW Position)](image1)

2. Place the **Engine ON/OFF switch** (Figure 13) in the **OFF** position.

![Figure 13. Engine ON/Off Switch (OFF Position)](image2)

3. Place the **fuel valve lever** (Figure 14) in the **OFF** position.

![Figure 14. Fuel Valve Lever (OFF Position)](image3)

Emergency Shutdown Procedure:

1. Move the throttle lever quickly to the **SLOW** position (Figure 12).
2. Place the engine **ON/OFF** switch in the **OFF** position (Figure 13).
1. Grasp the compactor’s hand grip and move the throttle lever (Figure 10) quickly to the fast position. The compactor will not operate correctly until the engine speed is high enough to engage the centrifugal clutch (approximately 2300 RPMs).

**NOTE**
Always move the throttle lever quickly without hesitation, because increasing the engine speed slowly causes the clutch to slip.

2. To make the compactor move in the forward direction push the **Directional Travel Lever** (Figure 15) forward.

---

**CAUTION - General Operation Safety**
Make sure to follow all safety rules referenced in the safety section of this manual before operating compactor. Keep work area clear of debris and other objects that could cause damage to the compactor or bodily injury.

---

3. To make the compactor move in the reverse direction pull the **Directional Travel Lever** (Figure 15) backwards.

4. Firmly gasp the compactor’s hand grip, the compactor will begin moving in the desired position when the **Directional Travel Lever** has been placed in the desired position.

5. Slowly walk behind the compactor and be on the lookout for any large objects or foreign matter that might cause damage to the compactor or bodily injury.

---

**CAUTION - Directional Travel Lever Lock**
Moving the **Directional Travel Lever** back and forth a few times after the engine has been turned off, will cause the lever to be locked in the forward position.
**DO NOT** try to operate lever forcibly. The direction travel lever will operate normally when the engine is started and the compactor is in action.

---

**Operating the Compactor on High Moisture Content Soil**
Compactor traveling speed may drop on soils which contain clay, or other types of soil. Soil with high moisture content can cause the compaction plate to "stick" to the ground (not lifting up off the ground very fast or high).

To rectify this problem, consider the following:
- Check the bottom plate to see if clay or equivalent material has been lodge in the plate mechanism. If so, wash with water and remove.
- Remember the compactor does not work as efficiently on clay or soils that have a high moisture content level.
- If the soil has a high moisture level, dry soil to appropriate moisture content level or carry out compaction twice.
CAUTION - General Maintenance Safety

Inspection and other services should always be carried out on hard and level ground with the engine shutdown.

Inspection and Maintenance Service Tables.

To make sure your plate compactor is always in good working condition before using, carry out the maintenance inspection in accordance with Tables 5 through 7.

Daily Service

- Check for leakage of fuel or oil.
- Check for loose screws including tightness. See Table 7 below (tightening torque), for retightening:
- Remove soil and clean the bottom of compaction plate.
- Check hydraulic pump, piping and hose for any leakage. A loosened hydraulic hose can be a cause for leakage. Check hydraulic hose connections with wrench applied for tightness.
- Check engine oil, see Inspection section.

These inspection intervals are for operation under normal conditions. Adjust your inspection intervals based on the number hours plate compactor is in use, and particular working conditions.

Daily Service

- Check for leakage of fuel or oil.
- Check for loose screws including tightness. See Table 7 below (tightening torque), for retightening:
- Remove soil and clean the bottom of compaction plate.
- Check hydraulic pump, piping and hose for any leakage. A loosened hydraulic hose can be a cause for leakage. Check hydraulic hose connections with wrench applied for tightness.
- Check engine oil, see Inspection section.

NOTE

These inspection intervals are for operation under normal conditions. Adjust your inspection intervals based on the number hours plate compactor is in use, and particular working conditions.

Table 5. Tightening Torque (in. kg/cm) Diameter

<table>
<thead>
<tr>
<th>Material</th>
<th>6mm</th>
<th>8mm</th>
<th>10mm</th>
<th>12mm</th>
<th>14mm</th>
<th>16mm</th>
<th>18mm</th>
<th>20mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>4T</td>
<td>70</td>
<td>150</td>
<td>300</td>
<td>500</td>
<td>750</td>
<td>1,100</td>
<td>1,400</td>
<td>2,000</td>
</tr>
<tr>
<td>6-8T</td>
<td>100</td>
<td>250</td>
<td>500</td>
<td>800</td>
<td>1,300</td>
<td>2,000</td>
<td>2,700</td>
<td>3,800</td>
</tr>
<tr>
<td>11T</td>
<td>150</td>
<td>400</td>
<td>800</td>
<td>1,200</td>
<td>2,000</td>
<td>2,900</td>
<td>4,200</td>
<td>5,600</td>
</tr>
<tr>
<td>*</td>
<td>100 (6mm)</td>
<td>300 – 350 (8mm)</td>
<td>650 – 700 (10mm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* (In case counter-part is of aluminum)

Material and quality of material is marked on each bolt, and screw.

Note: Threads in use with this machine are all right handed.

Table 6. Machine Inspection

<table>
<thead>
<tr>
<th>Item</th>
<th>Hours of Operation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Starting check)</td>
<td>Every 8 hours (every day)</td>
<td></td>
</tr>
<tr>
<td>Loosed or lost screws</td>
<td>Every 8 hours (every day)</td>
<td></td>
</tr>
<tr>
<td>Damage of any part</td>
<td>Every 8 hours (every day)</td>
<td></td>
</tr>
<tr>
<td>Function of controlling system part</td>
<td>Every 8 hours (every day)</td>
<td></td>
</tr>
<tr>
<td>Leak of hydraulic system</td>
<td>Every 100 hours</td>
<td>See page 21.</td>
</tr>
<tr>
<td>Vibrator oil check</td>
<td>Every 300 hours</td>
<td>See page 22.</td>
</tr>
<tr>
<td>Vibrator oil replacement</td>
<td>Every 100 hours</td>
<td>See page 22.</td>
</tr>
<tr>
<td>Hydraulic oil check</td>
<td>First 200 hours, then every 1000 hrs.</td>
<td>See page 23.</td>
</tr>
<tr>
<td>V-belt (clutch) check</td>
<td>Every 200 hours</td>
<td>See page 22.</td>
</tr>
</tbody>
</table>

Table 7. Engine Inspection

<table>
<thead>
<tr>
<th>Item</th>
<th>Hours of Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leakage of oil or fuel</td>
<td>Every 8 hours (Check Daily)</td>
</tr>
<tr>
<td>Tightness of fastening threads</td>
<td>Every 8 hours (Check Daily)</td>
</tr>
<tr>
<td>Engine oil check and replenishment</td>
<td>Every 8 hours (Check Daily) (Replenish to specified max. level)</td>
</tr>
<tr>
<td>Engine oil replenishment</td>
<td>First 20 hours, then every 100 hours</td>
</tr>
<tr>
<td>Air cleaner cleaning</td>
<td>Every 50 hours</td>
</tr>
</tbody>
</table>

CAUTION - General Maintenance Safety

Maintenance

Fuel piping and connections should be replaced every 2 years.
Spark Plug
1. Remove and clean the spark plug (Figure 16).
2. Adjust the spark gap to 0.028 – 0.031 inch (0.6 – 0.7 mm). This unit has electronic ignition, which requires no adjustments.

![Figure 16. Spark Plug Gap](image)

Figure 16. Spark Plug Gap

Engine Oil Replacement:
1. Replace engine oil after the first 20 hours of operation and every 100 hours thereafter.
2. Oil may be drained more easily when it is warm after operation.
3. When changing the engine oil, the old oil can be drained by removing the oil filler cap, and unscrewing the engine oil drain plug located at the base of the engine (Figure 17).
4. Remember to refill engine crankcase with the recommended type of oil as listed in Table 4 (For more details, see separate Honda Owner’s Manual).

![Figure 17. Engine Oil Plug](image)

Figure 17. Engine Oil Plug

Air Filter
The air filter element should be regularly cleaned. A clogged air cleaner can cause poor engine starting, lack of power and shorten engine life substantially.

1. To clean or replace air filter loosen the wing nut on the air filter housing (Figure 18), remove the cover and take out air filter cartridge. If only cleaning of the air filter is desired blow through the air filter cartridge from the inside, moving a jet of dry compressed air up and down until all dust is removed.

![Figure 18. Air Filter](image)
Checking and Replacing the V-Belt and Clutch

**CAUTION - Checking and Replacing the V-Belt**

NEVER attempt to check the V-belt with the engine running. Severe injury can occur if your hand gets caught between the V-belt and the clutch. Always use safety gloves.

1. To check the V-belt tension (Figure 19), remove upper belt cover.

   ![Figure 19. V-Belt Location](image)
   
   **Figure 19. V-Belt Location**

   2. The V-belt tension is proper if the V-belt bends 10 to 15 mm (Figure 20) when depressed with finger at midway between the clutch and vibration pulley shafts.

   ![Figure 20. V-Belt Tension](image)
   
   **Figure 20. V-Belt Tension**

   3. If the V-belt becomes worn or loose, replace the belt. A loose V-belt will decrease the power transmission output, causing reduced compaction and premature wear of the belt.

Replacing the V-belt

1. Remove the belt cover.
2. Engage an offset wrench (13 mm) or the like to vibrator pulley (lower) fastening bolt.
3. Engage waste cloth or the like at midway of V-belt on the left side and while pulling it back strongly, rotate the offset wrench clockwise so that the V-belt will come off.
4. Check the clutch and replace as necessary, following the procedures listed in Checking the Clutch.
5. Engage V-belt to lower vibrator pulley and push the V-belt to the left side of the upper clutch and rotate offset wrench clockwise so that the V-belt moves onto the pulley.

Checking the Clutch

1. With belt cover removed, visually check outer drum of the clutch for seizure and "V" groove for wear or damage.
2. Clean the "V" groove as necessary.
3. Check the clutch lining and shoe for signs of wear. If the shoe is worn, replace the clutch to prevent deficient power transmission and slippage.

Replacing the Clutch

1. Remove V-belt.
2. Remove bolt at engine power output by giving a shock to an engaged wrench (e.g. tapping with hammer) and rotate the bolt counterclockwise.
3. Remove clutch with a pulley extractor.
4. To install a new clutch, reverse steps 1-3.
Hydraulic Oil Check
Check hydraulic oil in every 100 hours of operation.

1. With handle bar positioned vertically (storage position), remove the breather cap (Figure 8) from the breather plug.
2. Use a 24 mm wrench and remove breather plug (Figure 21). Visually check to see if hydraulic oil comes up to the oil level line that is etched on the back side of the handle.

3. If the hydraulic oil level is low, replace with "Shell Tellus" oil #46 or equivalent.

Replace hydraulic oil after first 200 hours and in every 1,000 hours of operation.

Replacing Hydraulic Oil

1. After removing plug cap of hand pump (Figure 22), remove plug of breather (24 mm wrench) and disconnect vibrator side of hydraulic hose (Figure 22) at vibrator cylinder. With travel lever placed in the FORWARD position, drain hydraulic oil in the pump.

2. After draining, reconnect the hydraulic hose to vibrator.
3. Fill oil through breather hole of hand pump. Use Shell Tellus Oil #46 or equivalent.
4. Removing the vibrator cylinder breather plug causes oil to flow out of breather hole for a while. When aeration disappears, replace the plug and tighten securely.

5. Replace breather plug of hand pump and fit the plug cap. After making sure that oil in pump is at proper level, replace the breather plug.

CAUTION - Over-filling the Hydraulic Oil
Make sure hydraulic oil in hand pump is at a normal operating level. DO NOT over fill. Over filling (excessive oil) will cause excess oil to blow out of breather plug.

Vibrator Oil Check
1. Place the compactor on a flat surface with the handle in the upright (storage) position.
2. Check the oil level by removing the vibrator oil gauge bolt using a 14 mm wrench as shown in Figure 23. The vibrator oil level should be maintained between the two markings as shown in Figure 7. If oil is required, replenish using SAE 10W-30.

Replacing Vibrator Oil
The vibrator oil should be replaced every 300 hours of operation using engine oil 10W-30.
Practically all breakdowns can be prevented by proper handling and maintenance inspections, but in the event of a breakdown, please take a remedial action following the diagnosis based on the Engine Troubleshooting (Tables 8) information shown below and on the proceeding pages. If the problem cannot be remedied, please leave the unit just as it is and consult our company’s business office or service plant.

### TABLE 8. ENGINE TROUBLESHOOTING

<table>
<thead>
<tr>
<th>SYMPTOM</th>
<th>POSSIBLE CAUSE</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Difficult to start, “fuel is available, but no SPARK at spark plug”.</td>
<td>Spark plug bridging?</td>
<td>Check gap, insulation or replace spark plug.</td>
</tr>
<tr>
<td></td>
<td>Carbon deposit on spark plug?</td>
<td>Clean or replace spark plug.</td>
</tr>
<tr>
<td></td>
<td>Short circuit due to deficient spark plug insulation?</td>
<td>Check spark plug insulation, replace if worn.</td>
</tr>
<tr>
<td></td>
<td>Improper spark plug gap?</td>
<td>Set to proper gap.</td>
</tr>
<tr>
<td></td>
<td>ON/OFF switch is shorted?</td>
<td>Check switch wiring, replace switch.</td>
</tr>
<tr>
<td></td>
<td>Ignition coil defective?</td>
<td>Replace ignition coil.</td>
</tr>
<tr>
<td></td>
<td>Improper spark gap, points dirty?</td>
<td>Set correct spark gap and clean points.</td>
</tr>
<tr>
<td></td>
<td>Condenser insulation worn or short circuiting?</td>
<td>Replace condenser.</td>
</tr>
<tr>
<td></td>
<td>Spark plug wire broken or short circuiting?</td>
<td>Replace defective spark plug wiring.</td>
</tr>
<tr>
<td>Difficult to start, “fuel is available, and SPARK is present at the spark plug”.</td>
<td>Wrong fuel type?</td>
<td>Flush fuel system, and replace with correct type of fuel.</td>
</tr>
<tr>
<td></td>
<td>Water or dust in fuel system?</td>
<td>Flush fuel system.</td>
</tr>
<tr>
<td></td>
<td>Air cleaner dirty?</td>
<td>Clean or replace air cleaner.</td>
</tr>
<tr>
<td>Difficult to start, “fuel is available, spark is present and compression is normal”</td>
<td>Suction/exhaust valve stuck or protruded?</td>
<td>Re-seat valves.</td>
</tr>
<tr>
<td></td>
<td>Piston ring and/or cylinder worn?</td>
<td>Replace piston rings and or piston.</td>
</tr>
<tr>
<td></td>
<td>Cylinder head and/or spark plug not tightened properly?</td>
<td>Torque cylinder head bolts and spark plug.</td>
</tr>
<tr>
<td></td>
<td>Head gasket and/or spark plug gasket damaged?</td>
<td>Replace head and spark plug gaskets.</td>
</tr>
<tr>
<td>Difficult to start, “fuel is available, spark is present and compression is low”</td>
<td>Fuel not available in fuel tank?</td>
<td>Fill with correct type of fuel.</td>
</tr>
<tr>
<td></td>
<td>Fuel cock does not open properly?</td>
<td>Apply lubricant to loosen fuel cock lever, replace if necessary.</td>
</tr>
<tr>
<td></td>
<td>Fuel filter clogged?</td>
<td>Replace fuel filter.</td>
</tr>
<tr>
<td></td>
<td>Fuel tank cap breather hole clogged?</td>
<td>Clean or replace fuel tank cap.</td>
</tr>
<tr>
<td></td>
<td>Air in fuel line?</td>
<td>Bleed fuel line.</td>
</tr>
<tr>
<td>SYMPTOM</td>
<td>POSSIBLE CAUSE</td>
<td>SOLUTION</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>---------------------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>&quot;Weak in power&quot; compression is proper and</td>
<td>Air cleaner not clean?</td>
<td>Clean or replace air cleaner</td>
</tr>
<tr>
<td>does not misfire.</td>
<td>Improper level in carburetor?</td>
<td>Check float adjustment, re-build</td>
</tr>
<tr>
<td></td>
<td>Defective Spark plug?</td>
<td>carbureator.</td>
</tr>
<tr>
<td>&quot;Weak in power&quot; compression is proper but</td>
<td>Water in fuel system?</td>
<td>Flush fuel system, and replace</td>
</tr>
<tr>
<td>misfires.</td>
<td>Dirty spark plug?</td>
<td>with correct type of fuel.</td>
</tr>
<tr>
<td></td>
<td>Ignition coil defective?</td>
<td>Replace ignition coil.</td>
</tr>
<tr>
<td>Engine overheats.</td>
<td>Spark plug heat value improper?</td>
<td>Replace with correct type of</td>
</tr>
<tr>
<td></td>
<td>Correct type of fuel?</td>
<td>spark plug.</td>
</tr>
<tr>
<td></td>
<td>Cooling fins dirty?</td>
<td>Clean cooling fins.</td>
</tr>
<tr>
<td>Rotational speed fluctuates.</td>
<td>Governor adjusted correctly?</td>
<td>Adjust governor.</td>
</tr>
<tr>
<td></td>
<td>Governor spring defective?</td>
<td>Replace governor spring.</td>
</tr>
<tr>
<td></td>
<td>Fuel flow restricted?</td>
<td>Check entire fuel system for</td>
</tr>
<tr>
<td></td>
<td></td>
<td>leaks or clogs.</td>
</tr>
<tr>
<td>Recoil starter malfunction.</td>
<td>Recoil mechanism clogged with dust and dirt?</td>
<td>Clean recoil assembly with soap</td>
</tr>
<tr>
<td></td>
<td>Sprial spring loose?</td>
<td>and water.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Replace spiral spring.</td>
</tr>
</tbody>
</table>
Practically all breakdowns can be prevented by proper handling and maintenance inspections, but in the event of a breakdown, please take a remedial action following the diagnosis based on the Compactor Troubleshooting (Tables 9) information shown below and on the proceeding pages. If the problem cannot be remedied, please leave the unit just as it is and consult our company’s business office or service plant.

### TABLE 9. PLATE COMPACTOR TROUBLESHOOTING

<table>
<thead>
<tr>
<th>SYMPTOM</th>
<th>POSSIBLE CAUSE</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Travel speed too low, and vibration is weak.</td>
<td>Engine speed too low?</td>
<td>Set engine speed to correct RPM.</td>
</tr>
<tr>
<td></td>
<td>Clutch slips?</td>
<td>Check or replace clutch.</td>
</tr>
<tr>
<td></td>
<td>V-belt slips?</td>
<td>Adjust or replace V-belt.</td>
</tr>
<tr>
<td></td>
<td>Excessive oil in vibrator?</td>
<td>Drain excess oil and fill to proper level.</td>
</tr>
<tr>
<td></td>
<td>Malfunction in vibrator housing?</td>
<td>Check eccentric, gears and counter weights.</td>
</tr>
<tr>
<td>Travels forward or reverse, but impossible to switch direction.</td>
<td>Directional components defective?</td>
<td>Check all directional components</td>
</tr>
<tr>
<td></td>
<td>Reversing lever adjustment?</td>
<td>Adjust or repair reversing lever.</td>
</tr>
<tr>
<td></td>
<td>Hydraulic oil hose broken?</td>
<td>Repair or replace hydraulic oil hose.</td>
</tr>
<tr>
<td></td>
<td>Aeration in hydraulic oil for reversing system?</td>
<td>Bleed hydraulic oil system.</td>
</tr>
<tr>
<td></td>
<td>Check valve in hand pump clogged with dust?</td>
<td>Clean or replace hand pump check valve.</td>
</tr>
<tr>
<td></td>
<td>Piston or bearing in cylinder (vibrator assy.) is defective?</td>
<td>If worn, replace cylinder piston or bearing.</td>
</tr>
<tr>
<td>Does not travel either forward or reverse.</td>
<td>V-belt slips?</td>
<td>Replace V-belt.</td>
</tr>
<tr>
<td></td>
<td>Clutch slips?</td>
<td>Check clutch springs and shoes.</td>
</tr>
<tr>
<td></td>
<td>Vibrator locked?</td>
<td>Check vibrator housing (eccentric, gears and counterweights)</td>
</tr>
<tr>
<td></td>
<td>Piston or bearing in cylinder defective?</td>
<td>If worn, replace cylinder piston or bearing.</td>
</tr>
<tr>
<td>Travel lever operating resistance great.</td>
<td>Air in hydraulic line?</td>
<td>Bleed hydraulic oil system.</td>
</tr>
<tr>
<td></td>
<td>Piston or bearing in cylinder defective?</td>
<td>If worn, replace cylinder piston or bearing.</td>
</tr>
</tbody>
</table>
How to read the marks and remarks used in this parts book.

Items Found In the “Remarks” Column
Serial Numbers-Where indicated, this indicates a serial number range (inclusive) where a particular part is used.
Model Number-Where indicated, this shows that the corresponding part is utilized only with this specific model number or model number variant.

Items Found In the “Items Number” Column
All parts with same symbol in the number column, *, #, +, %, or >, belong to the same assembly or kit.

If more than one of the same reference number is listed, the last one listed indicates newest (or latest) part available.

The contents of this catalog are subject to change without notice.
<table>
<thead>
<tr>
<th>Qty</th>
<th>P/N</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>070100312</td>
<td>V-BELT</td>
</tr>
<tr>
<td>4</td>
<td>939010250</td>
<td>SHOCK ABSORBER</td>
</tr>
<tr>
<td>3</td>
<td>9807956846</td>
<td>SPARK PLUG</td>
</tr>
<tr>
<td>1</td>
<td>28462ZH8003</td>
<td>ROPE, RECOIL STARTER</td>
</tr>
<tr>
<td>3</td>
<td>17210ZE0822</td>
<td>ELEMENT, AIR CLEANER</td>
</tr>
<tr>
<td>1</td>
<td>17620ZC7023</td>
<td>FUEL CAP</td>
</tr>
<tr>
<td>1</td>
<td>17672ZE2W01</td>
<td>FUEL FILTER, FUEL TANK</td>
</tr>
</tbody>
</table>
NAME PLATES ASSY.
### NAMEPLATE AND DECALS

<table>
<thead>
<tr>
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<th>PART NO</th>
<th>PART NAME</th>
<th>QTY.</th>
<th>REMARKS</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>920201580</td>
<td>DECAL, MQ MARK 71X55</td>
<td>1</td>
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<tr>
<td>2</td>
<td>920207480</td>
<td>DECAL, SHELL TELLUS OIL 46</td>
<td>1</td>
<td></td>
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<tr>
<td>3</td>
<td>920201580</td>
<td>DECAL, SERIAL NO.</td>
<td>1</td>
<td>CONTACT PARTS DEPT.</td>
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<tr>
<td>4</td>
<td>920110000</td>
<td>DECAL, MVH-R60</td>
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<tr>
<td>5</td>
<td>920207420</td>
<td>DECAL, V-BELT RPF-3320</td>
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<tr>
<td>6</td>
<td>920209520</td>
<td>DECAL, OPERATIONAL CAUTION</td>
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<tr>
<td>7</td>
<td>920201650</td>
<td>DECAL, OIL SAE 10W30</td>
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</tbody>
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### CONTROL HANDLE ASSY.

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<th>REMARKS</th>
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<td>HANDLE</td>
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<td></td>
</tr>
<tr>
<td>2</td>
<td>463342860</td>
<td>BRACKET, HANDLE</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>009120408</td>
<td>SUNK HEAD BOLT 8X20 T</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>030208200</td>
<td>WASHER, LOCK M8</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>031108160</td>
<td>WASHER, FLAT M8</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>6</td>
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HONDA GX120K1SM12 ENGINE — CYLINDER HEAD ASSY.

CYLINDER HEAD ASSY.
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PISTON/CONNECTING ROD ASSY.
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HONDA GX120K1SM12 ENGINE — RECOIL STARTER ASSY.

RECOIL STARTER ASSY.
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FAN COVER ASSY.

Diagram showing various parts labeled with numbers 1 to 13.
### Fan Cover Assy.

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HONDA GX120K1SM12 ENGINE — CARBURETOR ASSY.

CARBURETOR ASSY.
### Carburetor Assy.

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## HONDA GX120K1SM12 ENGINE — AIR CLEANER ASSY.

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MUFFLER ASSY.
### MUFFLER ASSY.

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IGNITION COIL ASSY.
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## HONDA GX120K1SM12 ENGINE — CONTROL ASSY.

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HONDA GX120K1SM12 ENGINE — LABELS ASSY.

LABELS ASSY.
## LABELS ASSY.

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Effective: October 1, 2002

**PAYMENT TERMS**

Terms of payment for parts are net 10 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 cannot 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.
HERE'S HOW TO GET HELP

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

MULTIQUIP CORPORATE OFFICE
18910 Wilmington Ave.  800-421-1244
Carson, CA 90746    FAX: 310-537-3927
Email: mq@multiquip.com
Internet: www.multiquip.com

PARTS DEPARTMENT
800-427-1244  FAX: 800-672-7877
310-537-3700  FAX: 310-637-3284

MAYCO PARTS
800-306-2926  FAX: 800-672-7877
310-537-3700  FAX: 310-637-3284

SERVICE DEPARTMENT
800-478-1244  FAX: 310-537-4259
310-537-3700

TECHNICAL ASSISTANCE
800-421-1244  FAX: 310-631-5032

WARRANTY DEPARTMENT
800-421-1244, EXT.279  FAX: 310-537-1173
310-537-3700, EXT.279