

# MK-5000 GAS SERIES OWNER'S MANUAL PARTS LIST & OPERATING INSTRUCTIONS



Revision 108	04.2015
Manual Part# 160958	

**Caution:** Read all safety and operating instructions before using this equipment. This parts list **MUST** accompany the equipment at all times.

## INTRODUCTION

Congratulations on your purchase of a MK-5000 Gas Block Saw. We are certain that you will be pleased with your purchase. MK Diamond takes pride in producing the finest construction power tools and diamond blades in the industry.

Operated correctly, your MK-5000 Gas Block Saw should provide you with years of service. In order to help you, we have included this manual. This owners manual contains information necessary to operate and maintain your MK-5000 Gas Block Saw safely and correctly. Please take the time to familiarize yourself with the MK-5000 Gas Block Saw by reading and reviewing this manual.

Read and follow all safety, operating and maintenance instructions.

If you should have questions concerning your MK-5000 Gas Block Saw, please feel free to call our friendly customer service department at: 800 421-5830

Regards,

MK Diamond

### NOTE THIS INFORMATION FOR FUTURE USE:

<b>MODEL NUMBER:</b>	
<b>SERIAL NUMBER:</b>	
<b>PURCHASE PLACE:</b>	
<b>PURCHASE DATE:</b>	

**NOTE:** For your (1) one year warranty to be effective, complete the warranty card (including the Serial Number) and mail it in as soon as possible.

## TABLE OF CONTENTS

### **SAFETY**

Safety Messages	4
Damage Prevention Message	4
General Safety Precautions and Hazard Symbols	4
Rules for Safe Operation	7-8
California Proposition 65 Message	8
Maintenance Safety	8
Safety Label Locations	9
Brick Saw Specific Warnings	9
Product Specifications	10

### **UNPACKING, TRANSPORT and ASSEMBLY**

Unpacking	11
Contents	11
Transport	11
Assembly	12

### **SETUP, STARTUP, ADJUSTMENT, OPERATION and SHUTDOWN**

Setup	14-15
Startup	16
Water Pump Setup	17
Cutting Setup	18-21
Operation	19-22
Cleanup	22

### **MAINTENANCE AND TROUBLESHOOTING**

Maintenance	23-33
Troubleshooting	34-36

### **EXPLODED VIEW AND PARTS LIST**

Exploded View & Parts List	38-52
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### **ACCESSORIES ORDERING and RETURN INSTRUCTIONS**


Accessories	53
Ordering Information	54
Return Material Policy	54
Packaging Instructions	54
Authorized Service Centers	54
Contact	55
Limited Warranty	55

Safety precautions should be followed at all times when operating this equipment. Failure to read and understand the Safety Precaution and Operating Instructions could result in injury to yourself and others. This Operation and Parts Manual has been developed to provide complete instructions for the safe and efficient operation of the MK-5000G Block Saw.

Before using this saw, ensure that the person operating the equipment has read and understands all instructions in this manual.

### **SAFETY MESSAGE / ALERT SYMBOLS**

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A safety message alerts you to potential hazards that could hurt you or others. Each safety message is preceded by a safety alert symbol (  ) and 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. It may also be used to alert against unsafe practices.

Each message tells you what the hazard is, what can happen, and what you can do to avoid or reduce injury. Other important messages are preceded by the word **NOTICE**.

#### **NOTICE**

You can cause **PROPERTY DAMAGE** to your machine if you don't follow directions.

The safety labels should be periodically inspected and cleaned by the user to maintain good legibility at a safe viewing distance. If the label is worn, damaged or illegible, it should be replaced. Contact MK Diamond or your dealer for replacement.

### **DAMAGE PREVENTION AND INFORMATION MESSAGES**

A Damage Prevention Message is to inform the user of important information and/or instructions that could lead to equipment or other property damage if not followed. Information messages convey information that pertains to the equipment being used. Each message will be preceded by the word **NOTE**, as in the example below.

**NOTE:** Equipment and/or property damage may result if these instructions are not followed.

### **GENERAL SAFETY PRECAUTIONS AND HAZARD SYMBOLS**

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In order to prevent injury, the following safety precautions and symbols should be followed at all times!

#### **SAFETY PRECAUTIONS**

##### **KEEP GUARDS IN PLACE**



In order to prevent injury, keep guards in place and in working order at all times.

##### **EXPLOSIVE FUEL!**



Gasoline is extremely flammable, its vapors can explode if ignited; store only in approved containers, in well-ventilated, unoccupied buildings and away from sparks or flames. Do not fill the fuel tank while the engine is running or hot. Spilled fuel could ignite if it contacts hot parts or sparks from ignition. Do not start the engine near spilled fuel. Never use gasoline as a cleaning agent.

**LETHAL EXHAUST GASES!**

Engine exhaust gasses contain poisonous carbon monoxide, an odorless colorless gas that can cause death if inhaled. Avoid inhaling exhaust fumes, and never run the engine in a closed building or confined area.

**ELECTRICAL SHOCK!**

Never touch electrical wires or components while the motor is running. Exposed, frayed or worn electrical motor wiring can be sources of electrical shock that could cause severe injury or burns.

**ENGINE OVER-SPEED.**

Never tamper with the governor components or settings to increase the maximum speed of the machine. Severe personal injury and/or equipment damage could result if the equipment is operated speeds above design maximum.

**ACCIDENTAL STARTS!**

Before starting the engine, be sure the ON/OFF switch is in the "OFF" position to prevent accidental starting. Place the ON/OFF switch in the OFF position before performing any service operation.

**ROTATING OR MOVING PARTS!**

Keep hands, feet, hair, and clothing away from all moving parts to prevent injury. Never operate a power tool with shrouds or guards removed.

**HOT PARTS!**

Engine components can become extremely hot from operation. To prevent severe burns, do not touch these areas while the engine is running, or immediately after it is turned off. Never operate the engine with heat shields removed.

**ALWAYS USE SAFETY GLASSES!**

Safety glasses should always be worn when working around power tools. Everyday eye-glasses only have impact resistant lenses and may not prevent eye injury; they are NOT safety glasses.

**ALWAYS USE RESPIRATORY PROTECTION!**

Exhaust gases may be harmful if inhaled. Do not operate gas-powered equipment in enclosed spaces. Respiratory protection should be worn when operating gas powered equipment.

**ALWAYS USE HEARING PROTECTION!**

To reduce the possibility of hearing loss, always use hearing protection when operating equipment.

**REMOVE ADJUSTING KEYS AND WRENCHES.**

Form a habit of checking to see that keys and adjusting wrenches are removed from the power tool before it is turned on.

**KEEP WORK AREA CLEAN.**

Cluttered work areas and benches invite accidents.

**DO NOT USE IN DANGEROUS ENVIRONMENTS.**

Do not operate equipment in dangerous environments. Always keep the work area well lighted.

**KEEP CHILDREN AWAY.**

All visitors and children should be kept a safe distance from work area.

**MAKE WORKSHOP KID PROOF.**

Make the workshops kid proof by using padlocks, master switches or by removing starter keys.

**DO NOT FORCE THE TOOL.**

A power tool will do a job better and safer operating at the rate for which it was designed.

**USE THE RIGHT TOOL.**

Do not force a tool or an attachment, to do a job that it was not designed to do.

**WEAR PROPER APPAREL.**

Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry that may be caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.

**SECURE WORK.**

Clamps or a vise should be used to hold work whenever practical. Keeping your hands free to operate a power tool is safer.

**DO NOT OVERREACH.**

Keep proper footing and balance at all times by not overreaching.

**MAINTAIN TOOLS WITH CARE.**

Keep tools sharp and clean for the best and safest performance. Always follow maintenance instructions for lubricating and when changing accessories.

**SHUTDOWN TOOL.**

The saw should always be shutdown before servicing or when changing accessories such as blades, bits, cutters, and the like.

**USE RECOMMENDED ACCESSORIES.**

Consult the owner's manual for recommended accessories. Using improper accessories may increase the risk of personal or by-stander injury.

**NEVER STAND ON THE TOOL.**

Serious injury could occur if a power tool is tipped, or if a cutting tool is unintentionally contacted.

**NEVER LEAVE TOOL RUNNING UNATTENDED – TURN POWER OFF.**

Do not leave a tool until it comes to a complete stop. Always turn a power tool OFF when leaving the work area, or, when a cut is finished.

**CHECK FOR DAMAGED PARTS.**

Before using a power tool, check for damaged parts. A guard or any other part that is damaged should be carefully checked to determine it would operate properly and perform its intended function. Always check moving parts for proper alignment or binding. Check for broken parts, mountings and all other conditions that may affect the operation of the power tool. A guard or any damaged part should be properly repaired or replaced.

**DIRECTION OF FEED.**

Always feed work into a blade or cutter against the direction of rotation. A blade or cutter should always be installed such that rotation is in the direction of the arrow imprinted on the side of the blade or cutter.

**SILICA DUST WARNING**

Grinding/cutting/drilling of masonry, concrete, metal and other materials with silica in their composition may give off dust or mists containing crystalline silica. Silica is a basic component of sand, quartz, brick clay, granite and numerous other minerals and rocks. Repeated and/or substantial inhalation of airborne crystalline silica can cause serious or fatal respiratory diseases, including silicosis. In addition, California and some other authorities have listed respirable crystalline silica as a substance known to cause cancer. When cutting such materials, always follow respiratory precautions.

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contain chemicals known (to the State of California) to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead, from lead-based paints
- Crystalline silica, from bricks and cement and other masonry products
- Arsenic and chromium, from chemically treated lumber

For further information, consult the following sources:

<http://www.osha.gov/dsg/topics/silicacrystalline/index.html>

<http://www.cdc.gov/niosh/docs/96-112/>

<http://oehha.ca.gov/prop65/law/P65law72003.html>

<http://www.dir.ca.gov/Title8/sub4.html>

Your risk from these exposures varies depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

**RULES FOR SAFE OPERATION****DANGER**

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 MK-5000G Block Saw.

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

- Whenever necessary, replace nameplate, operation and safety decals when they become difficult to read.



- **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.
- **NEVER** leave the machine unattended. Turn off electric motor when unattended.

**CAUTION** must be observed while servicing the machine. Rotating parts can cause injury if contacted.



- **NEVER** operate the machine in an explosive atmosphere.

Before starting the machine, **ALWAYS** check that all guards are in position and correctly fitted. Check the machine for loose bolts before starting.

Keep area around the machine clear of obstructions which could cause persons to fall onto moving parts. **ALWAYS** ensure that the machine is on level ground before using.

Know how to stop the machine quickly in case of emergency. **NEVER** try to stop a moving blade with your hands.

- **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.
- Unauthorized equipment modifications will void all warranties. Manufacturer does not assume responsibility for any accident due to equipment modifications.
- **NEVER** use accessories or attachments, which are not recommended by MK Diamond for this equipment. Damage to the equipment and/or injury to user may result.



## WARNING

**DO NOT** use woodcutting, or carbide blades on this machine! Use **ONLY** Diamond blades on machine. Use machine only to cut tile and masonry products. **DO NOT** use machine to cut wood or wood products.

## MAINTENANCE SAFETY

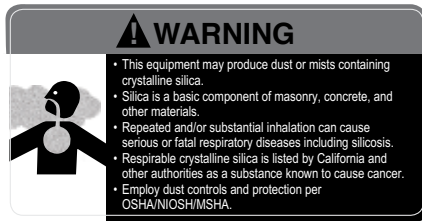
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- **NEVER** lubricate components or attempt service on a running machine.
- Keep the machinery in proper running condition.
- Fix damage to the machine immediately and always replace broken parts, or missing decals.

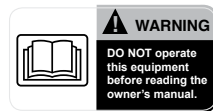


## OPERATION & SAFETY DECALS

The MK-5000G Block Saw is equipped with a number of safety decals. These decals are provided for operator safety and maintenance information. Should any of these operation or safety decals become unreadable, replacements can be obtained by calling **(800) 262-1575**.



Part # 164202  
A



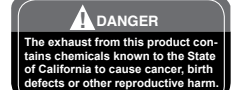
Part # 154398  
B



Part # 155582  
C



Part # 155038  
D



Part # 155581  
E



Part # 155588  
F



Part # 155587 (2)  
G



Part # 155579  
H



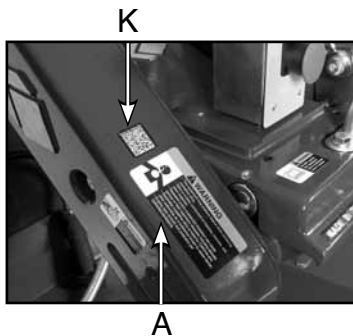
Part # 155578  
I



Part # 155580  
J



Part # 170480  
K



A



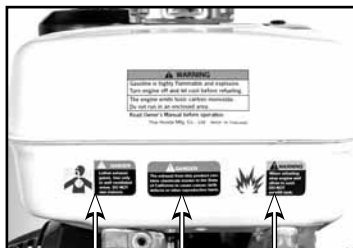
G



B



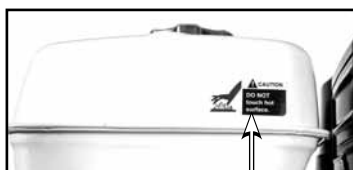
H



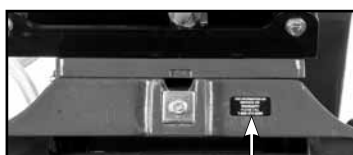
C

E

J



I



D



G

F

Decal	Location	Description
A	Belt Guard	Warning - Silica
B	Cutting Head	Warning - Read Manual
C	Gas Tank - Front	Danger - Exhaust/Cancer
D	Back	Service/Warranty
E	Gas Tank - Front	Danger - Exhaust/Cancer
F	Blade Guard	Warning - Replace Blade Guard
G	Blade Guard	Caution - Guards in Place
G	Belt Guard	Caution - Guards in Place
H	Air Filter	Caution - Spark Plug
I	Gas Tank - Side	Caution - Do Not Touch
J	Gas Tank - Front	Warning - Overfill
K	Belt Guard	QR Codes for Manuals

**PRODUCT SPECIFICATIONS**

The MK-5000G is a versatile gas powered Block Saw. Operated and used according to this manual, the MK-5000G will provide years of dependable service.

**Engine Specifications**

Engine specifications for the different models of the MK-5000G are listed in the tables below.

Model	MK-5009G	MK-5009G
Engine	Honda	Kohler
Horsepower	GX270 Cyclone	CH395
Part # (14" Blade Guard)	158935-14	•
Part # (20" Blade Guard)	158935	168805
Part # (24" Blade Guard)	158935-24	168805-24
Weight	498 lbs. (225 kg)	498 lbs. (225 kg)

Model	MK-5010G	MK-5013G
Engine	Vanguard	Honda
Horsepower	19H200	GX390 Cyclone
Part # (20" Blade Guard)	169338	158936
Part # (24" Blade Guard)	169338-24	158936-24
Weight	513 lbs. (233 kg)	513 lbs. (233 kg)

General Specifications	
Arbor Size	1"
Motor RPM	3,600
Shaft RPM (14" Blade)	2,700
Shaft RPM (20" Blade)	1,851
Shaft RPM (24" Blade)	1,653
L x W x H	57" x 26" 72"
L x W x H (mm)	1,524 x 660 x 1,826
Depth of Cut 2/14" Blade	5"
Depth of Cut w/20" Blade	8"
Depth of Cut w/24" Blade	10"
Length of Cut	20"
Shipping Method	Truck

Accessories Included with MK-5000 Series Saws
Centrifugal Water Pump
Rip Guide

## Masonry Types

The MK-5000G can cut a variety of masonry types including, cinder block, slump stone block, wall brick, paver brick, concrete block and cylinders, roofing tile, marble, granite, decorative rock or almost any other non-ferrous material.

**NOTE:** The MK-5000G is not designed to cut plastic or ferrous (metals) material.

## Spring Assisted Cutting Head

The MK-5000G is designed with a spring-assisted cutting head to allow for easier step cutting. The Cutting Head can be locked in the down position when cutting smaller pieces.

## Shaft Operated Water Pump

The MK-5000G has a flexible shaft, belt driven water pump supplying cooling water to the blade for wet cutting operations.

## UNPACKING

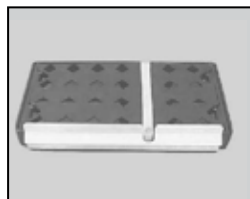
Your MK-5000G has been shipped from the factory thoroughly inspected. Only minimal assembly is required. If not done, completely remove the plastic wrapping from the MK-5000G. Remove the accessories box from the Water Basin and remove the contents from the box.

## CONTENTS

In your container, you will find one (1) MK-5000G, one (1) movable cutting table, one (1) adjustable cutting guide, one (1) drain plug, one (1) blade wrench, one (1) owner's manual, one (1) Engine owner's manual and one (1) warranty card.



MK-5000G  
Block Saw



Movable Cutting  
Table



Cutting Guide



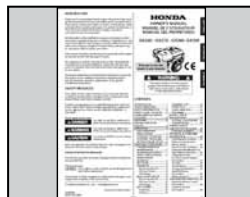
Drain Plug



Blade Wrench



Owner's Manual



Engine Owner's  
Manual



Warranty Card

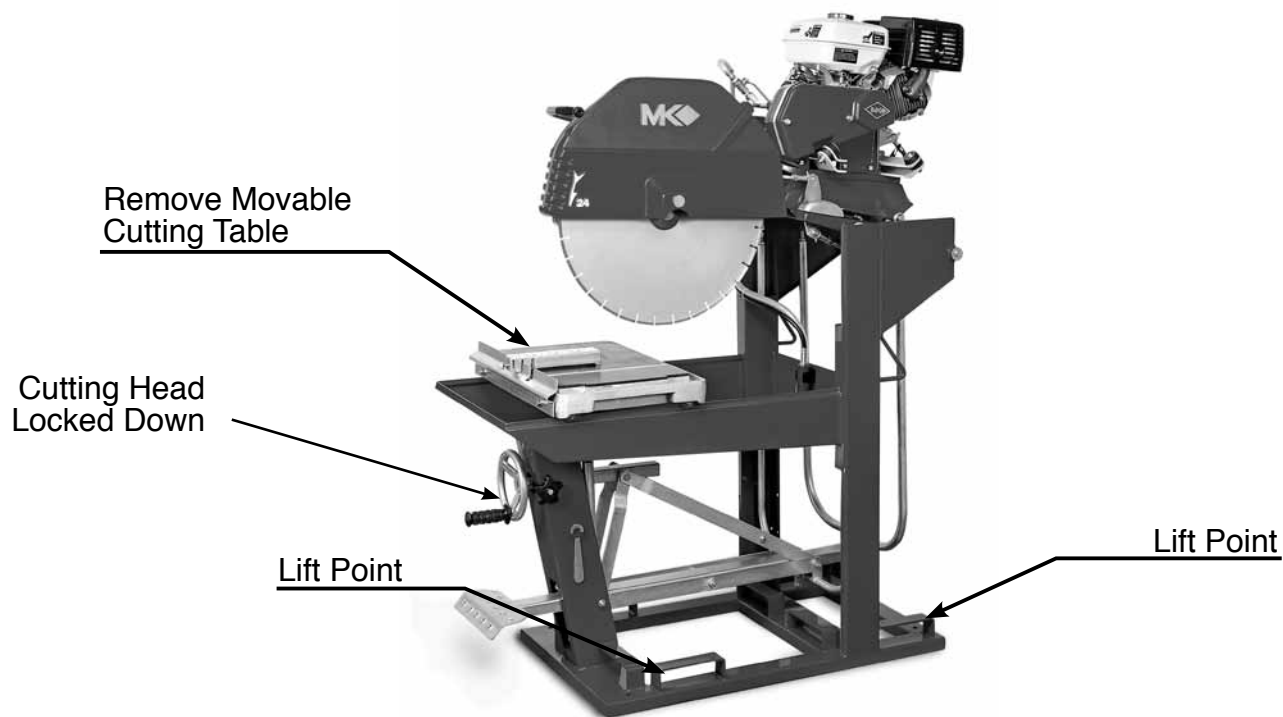
**TRANSPORT****CAUTION**

1. Never transport the MK-5000G with water in the Water Basin.
2. The MK-5000G series Block Saw weighs approximately 515 pounds, a forklift should be used for transport.

**NOTE:** Lock the Cutting Head in the DOWN position, and remove the Movable Cutting Table when transporting the MK-5000G.

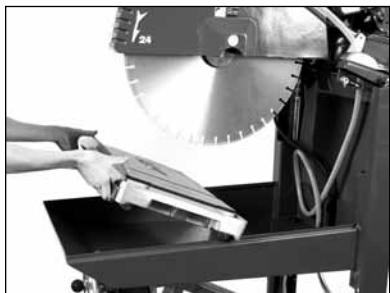
The MK-5000G is designed with forklift ears for ease of transport. To transport –

- Verify the Movable Cutting Head is locked in the down position and the Movable Cutting Table is removed.
- Lift and transport the saw to the desired work location.



**ASSEMBLY**

Follow the assembly instructions to prepare your MK-5000G for operation.

**Movable Cutting Table Installation**

(A)

Position Movable Cutting Table.



(B)

Seat all four Roller Wheels on the Guide Rails.



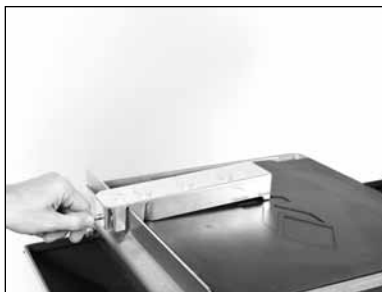
(C)

Verify correct seating of Roller Wheels.

**Adjustable Cutting Guide Installation**

(A)

Loosen the Thumbscrew. Align the Adjustable Cutting Guide above the Movable Cutting Table Ruler/Stop.



(B)

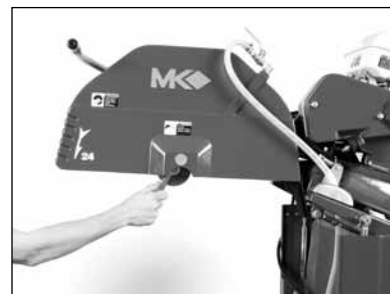
Seat the Adjustable Cutting Guide and tighten the Thumbscrew.

**Diamond Blade Installation**

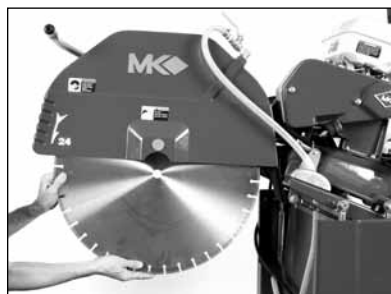
(A)  
Unlock Cutting Head.



(B)  
Raise the Cutting Head by  
turning the Depth Control Wheel  
clockwise.



(C)  
Remove the Retaining Screw  
and Outer Flange with the blade  
wrench. Turn counter-clockwise  
to loosen.



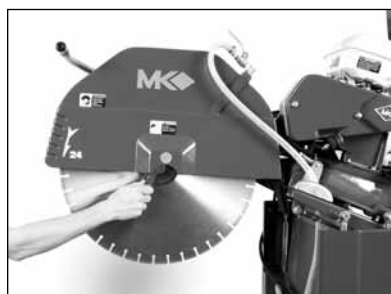
(D)  
Install the Diamond Blade onto  
the Blade Shaft.



(E)  
Verify the Blade is seated on  
the Blade Shaft and direction of  
rotation is correct.



(F)  
Install Retaining Screw and  
Outer Flange.



(G)  
Rotate Blade Wrench clockwise  
to tighten.

## Filling Fuel Tank



### WARNING

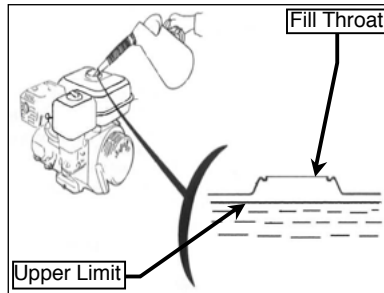
1. Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel.
2. To fuel, stop engine if running, and allow it to cool.
3. Refuel in a well-ventilated area.
4. Keep gasoline away from appliance pilot lights, barbecues, electric appliances, power tools, etc.
5. Wipe up spills immediately.

- NOTE:**
1. Fuel can damage paint and plastic. Be careful not to spill fuel when filling the fuel tank. Damage caused by spilled fuel IS NOT covered under the warranty.
  2. DO NOT use stale or contaminated gasoline, or an oil/gasoline mixture.
  3. Using a ladder meeting OSHA specification is recommended.
  4. Use unleaded gasoline with a pump octane rating of 86 or higher.



(A)

To fill Fuel Tank refer to refueling section of Engine Manual.



(B)

Verify fuel level is below the throat of the Fuel Tank.

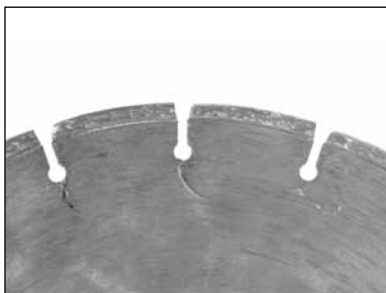
## Pre-start Inspection

The pre-start inspection should be performed before beginning any job.



### CAUTION

If the Diamond Blade shows signs of fatigue cracking, replace the blade before starting work.



(A)

Inspect Blade for damage – Verify Blade is correct for material being cut.



(B)

Inspect Wooden Strip for excessive grooves.



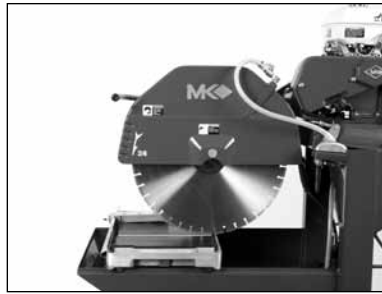
(C)

Verify Movable Cutting Table moves freely.

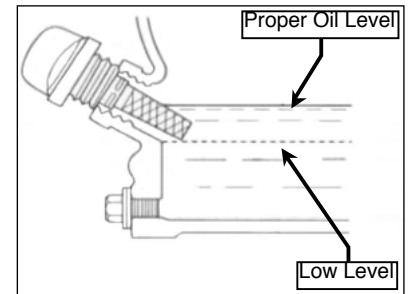




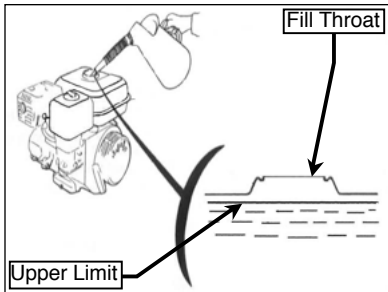
(D)  
Inspect Engine for leaks.



(E)  
Inspect for general damage,  
loose connections and hardware.



(F)  
Check for proper oil level.  
(See Maintenance section if low)



(G)  
Check for proper fuel level.  
(See Maintenance section if low)



(H)  
Check Air Filter for cleanliness.  
(See Maintenance section if  
dirty)



## Engine Start

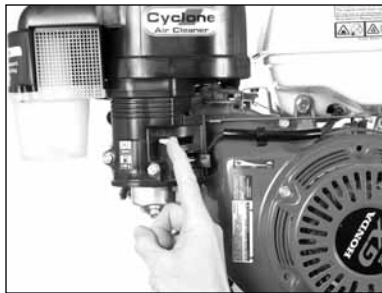


- WARNING**
1. Carbon monoxide gas is toxic. Breathing it can cause unconsciousness and/or death.
  2. Avoid any areas or actions that expose you to carbon monoxide.

**NOTE:** If restarting a warm engine leave the Choke Lever in the OPEN position.



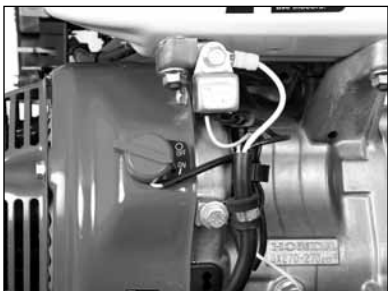
(A)  
Place Fuel Valve in the  
ON position.



(B)  
Place Choke Lever in the  
CLOSED position.



(C)  
Move the Throttle Lever  
to 1/3 open.



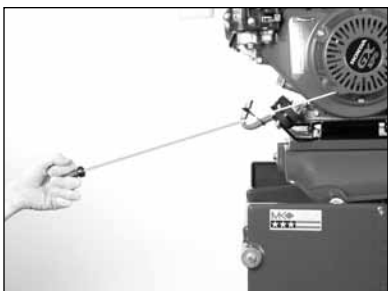
(D)  
Place Engine Switch in the  
ON position.



(E)  
Turn on Emergency Stop  
Switch.



(F)  
Pull Starter Cord slowly, until  
slack is removed and  
resistance is felt.



(G)  
Pull Starter Cord straight back  
in a smooth fast motion.



(H)  
Place Choke Lever in the OPEN  
position when engine is warm.

## Water Pump Setup

Water Pump is factory installed and is setup for re-circulating wet cutting. If dry cutting, be sure to disengage water pump. The Water Pump can be setup in three ways, External Water Source, Re-circulation or Un-coupled for dry blade operation.

**NOTE:** To extend the life of the Diamond Blade and Water Pump, MK Diamond recommends a clean cooling water source when using a Wet Diamond Blade.

### External Water Source

This is the preferred method of cooling when using a “wet” diamond blade.



(A)  
Remove the Drain Plug.



(B)  
Remove Water Pump.



(C)  
Place the Water Pump Assembly into an external water source container. Fill the external water source container and place a catch basin below the Drain Hole.

### Re-circulation

**NOTE:** 1. Water Pump could interfere with masonry being cut.  
2. Water should be periodically replaced when using this method.



(A)  
Install the Drain Plug. Fill the water basin with clean water.

## Dry Blade Operation

**NOTE:** Failure to perform the following steps will lead to premature pump failure.



(A)

Loosen Water Pump Drive End Pivot Plate front and rear retaining bolts.



(B)

Pivot front of Water Pump Drive End Pivot Plate up and tighten the retaining bolts.



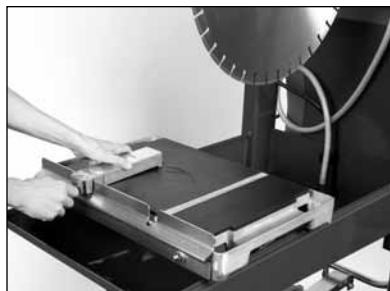
(C)

Move Water Pump Assembly to the outside of the Water Basin.

## Cutting Setup

- NOTE:**
1. While the MK-5000 can cut the materials listed earlier in this document, it is specifically designed to cut concrete masonry. Cutting another material will reduce the life of the diamond blade.
  2. Due to the material being cut, the diamond blade should not require dressing. If dressing is required, use a soft stone such as sandstone.

DO NOT FORCE the blade to cut, it will do the job better and safer at rate for which it was designed.



(A)

Set edge of Cutting Guide to desired cut length on Ruler/Stop.



(B)

Set material against Adjustable Cutting Guide and Ruler/Stop.



(C)

Unlock the Cutting Head.



(D)

Adjust the height of the Cutting Head as necessary.

## Step Cuts

A Step Cut is performed when a series of small cuts of increasing depth are used to complete a single cut.

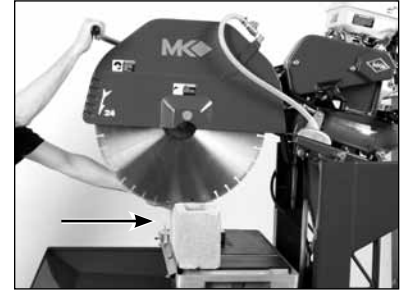
- NOTE:**
1. Step Cutting is the preferred cutting method for all cuts.
  2. When cutting hard material Step Cutting should always be used.
  3. Step Cutting will extend the life of the Diamond Blade.



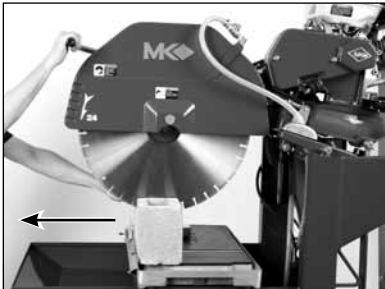
(A)  
Adjust the height of the Cutting Head as necessary, start engine.



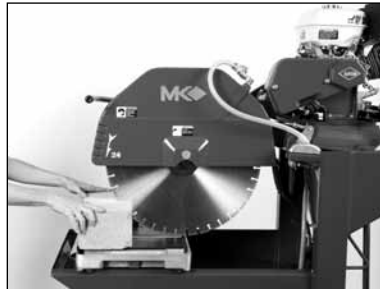
(B)  
Open the Cooling Flow Control Valve and adjust flow. Verify proper cooling flow on both sides of the blade.



(C)  
Step Cut "Push" Stroke. Lower Cutting Head 1/4" - 1/2" during Push Stroke.



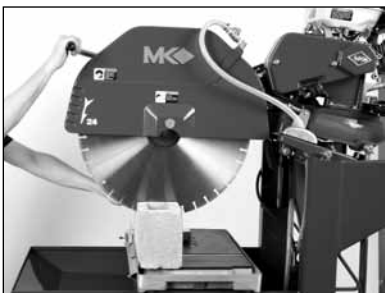
(D)  
Step Cut "Pull" Stroke. Lower Cutting Head and pull Cutting Table forward.



(E)  
Repeat Steps C and D until cut is complete. Turn the saw off when work is complete.

## Chop Cutting

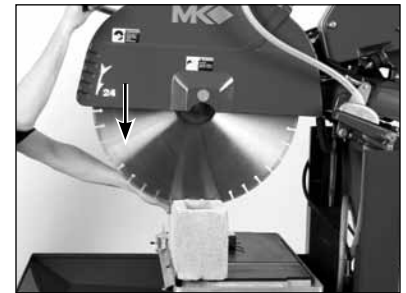
A Chop Cut is performed by cutting completely through an object in one pass.



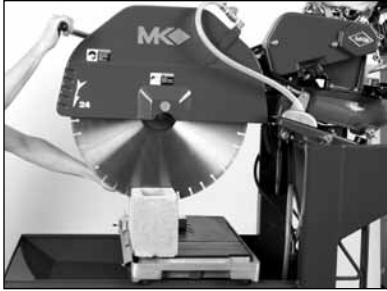
(A)  
Adjust the height of the Cutting Head as necessary, start engine.



(B)  
Open the Cooling Flow Control Valve and adjust flow. Verify proper cooling flow on both sides of the blade.



(C)  
Hold the Movable Cutting Table stationary. Lower Cutting Head smoothly to cut.



(D)

Continue Lowering Cutting Head until cut is complete. Turn the saw off when work is complete.

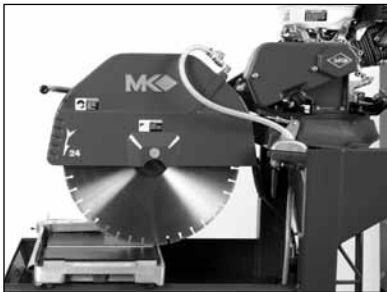
### Cutting with the Cutting Head Positioned Down

This method is preferred when cutting small objects.



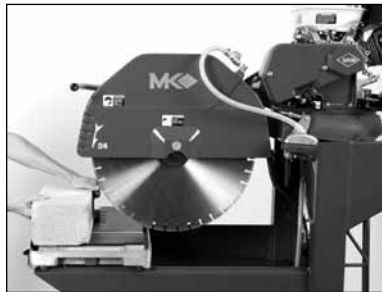
#### CAUTION

DO NOT FORCE TOOL, it will do the job better and safer at rate for which it was designed.



(A)

Lower the Cutting Head until the blade is just off the surface of the Movable Cutting Table.



(B)

Set masonry piece in position. Start engine.



(C)

Open the Cooling Flow Control Valve and adjust flow. Verify proper cooling flow on both sides of the blade.



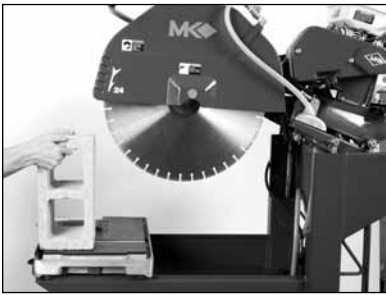
(D)

Slowly push piece toward Blade to cut. Allow Blade to stop before removing work. Turn the saw off when work is complete.



### Cutting with the Piece Positioned Vertically

This method may be used when "notching" the masonry piece.



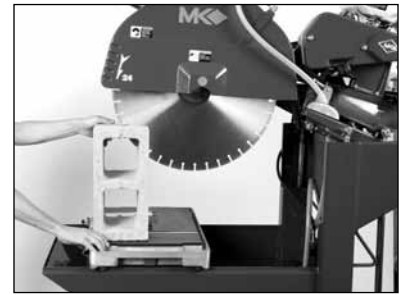
(A)

Position masonry piece.  
Adjust the height of the Cutting Head as necessary, start engine



(B)

Open the Cooling Flow Control Valve and adjust flow. Verify proper cooling flow on both sides of the blade.

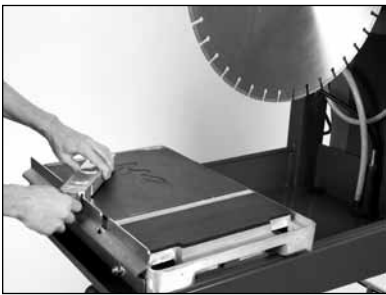


(C)

Slowly push piece toward Blade to begin the cut. Continue pushing piece into Blade until cut is complete. Turn the saw off when work is complete.

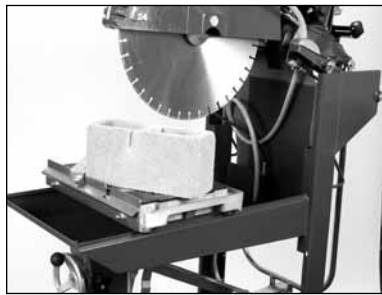
### Angle Cuts

Angle Cuts may be performed using the Step Cut, Chop Cut, Cutting Head Positioned Down methods or with the masonry piece positioned vertically. The following example utilizes the Step Cut method.



(A)

Reposition Adjustable Cutting Guide. Align 45° Slots to Ruler/Stop.



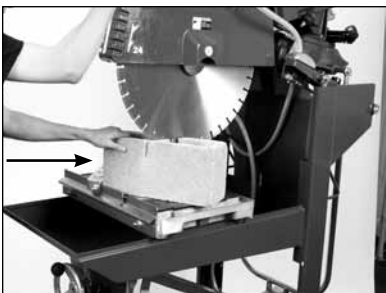
(B)

Position the masonry piece.  
Adjust the height of the Cutting Head as necessary, start engine.



(C)

Open the Cooling Flow Control Valve and adjust flow. Verify proper cooling flow on both sides of the blade.



(D)

Step Cut "Push" Stroke. Lower Cutting Head 1/4" - 1/2" during Push Stroke.



(E)

Step Cut "Pull" Stroke. Lower Cutting Head 1/4" - 1/2" during Pull Stroke. Repeat Steps D and E until cut complete. Turn the saw off when work is complete.

### Cutting using the Foot Pedal

The Foot Pedal may be used to Step Cut, Chop Cut, or with the masonry piece positioned vertically. Using the Foot Pedal frees both of the operator's hands for holding the masonry piece. The following example utilizes the Step Cut method.



(A)  
Position masonry piece.  
Adjust the height of the Cutting Head as necessary, start engine.



(B)  
Open the Cooling Flow Control Valve and adjust flow. Verify proper cooling flow on both sides of the blade.



(C)  
Step Cut "Push" Stroke. Lower Cutting Head 1/4" - 1/2" during Push Stroke.

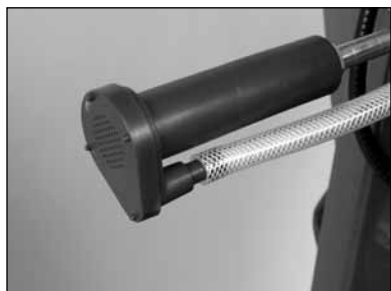


(D)  
Step Cut "Pull" Stroke. Lower Cutting Head 1/4" - 1/2" during Pull Stroke.



(E)  
Repeat Steps C and D until cut complete. Turn the saw off when work is complete.

### CLEANUP



(A)  
Clean the Water Pump suction of all debris.



(B)  
Place the Water Pump in an external container of clean water. Run the saw until clear water is seen at the blade cooling ports (Approx. 1 minute).



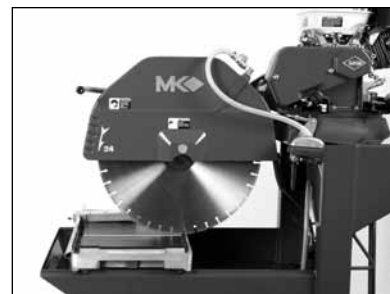
(C)  
Clean the Water Basin.



(D)  
Clean the Movable Cutting  
Table Guide Rails.



(E)  
Clean the Movable  
Cutting Table Roller Wheels.



(F)  
Clean the remainder of the saw.

## MAINTENANCE

### Initial Maintenance



**WARNING** Turn engine off before servicing saw.

Perform the following after initial purchase and operation of the MK-5000.



(A)  
Change engine oil after first  
month or first 20 operating  
hours. (See Engine Oil Change)



(B)  
Check and adjust the Blade  
Shaft Belt and Jack Shaft belt  
tension following first 48 hours of  
operation. (See Belt Inspection)

### Monthly Maintenance

The following should be performed monthly. Items should be lubricated as directed.



(A)  
Remove and clean Diamond  
Blade Outer Flange and  
Retaining Bolt.



(B)  
Verify all Engine Mounting  
Bolts are tight.



(C)  
Verify engine Adjustment  
Straps are tight.





(D)  
Check Movable Cutting Table  
Roller Wheels for wear.



(E)  
Clean engine Air Filter.  
(See Engine Manual)

### Six (6) Month Maintenance

Perform the following maintenance every six months.



(A)  
Change engine oil.  
(See Engine Manual)



(B)  
Clean Fuel Sediment Cup.  
(See Engine Manual)



(C)  
Clean and readjust engine  
Spark Plug (See Engine  
Manual)

### Yearly Maintenance

Perform the following maintenance every year.



(A)  
Replace engine Air Filter.  
(See Engine Manual)



(B)  
Replace Spark Plug.  
(See Engine Manual)



(C)  
Inspect belts.  
(See Belt Inspection,  
Adjustment and Replacement)

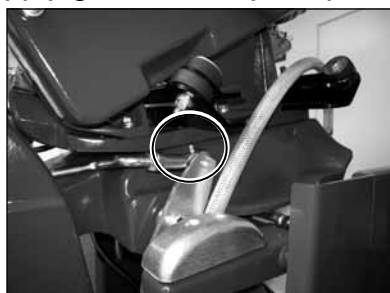
## Two Year Maintenance



(A)  
Check Fuel Line.  
(Shop Maintenance Required)

## Lubrication Points

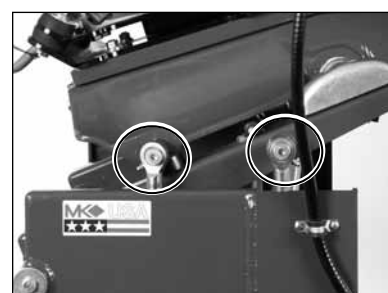
Use standard grease when lubricating the MK-5000. Clean the Zerk fitting when finished lubricating. Apply grease slowly; stop when grease is seen between joints.



(A)  
Rear Blade Guard Stay-level  
pivot point lubrication point, if  
equipped.



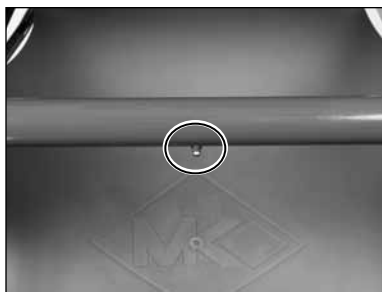
(B)  
Front Blade Guard Stay-level  
pivot point lubrication point, if  
equipped.



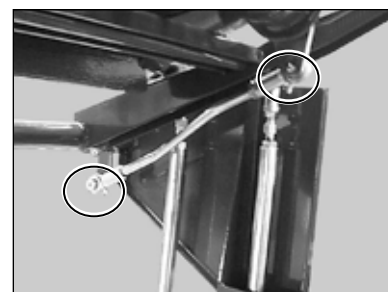
(C)  
Front and Rear Connecting  
Arms, left side (from front) lubri-  
cation points, if equipped.



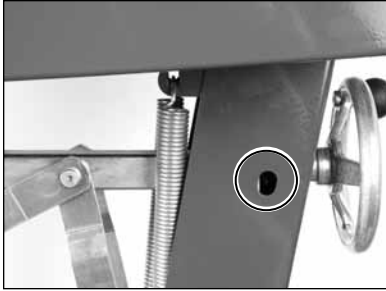
(D)  
Front and Rear Connecting  
Arms, right side lubrication  
points, if equipped.



(E)  
Elevation Pivot Bracket, Pivot  
Shaft Housing lubrication point.



(F)  
Cutting Head Rear Connect-  
ing Arm lubrication point, if  
equipped.



(G)  
Crank Wheel Assembly Bearing  
lubrication point.



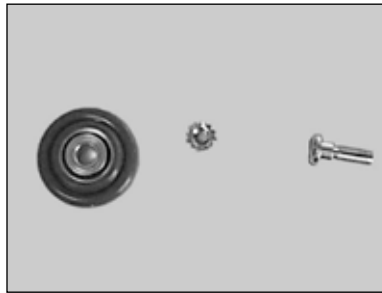
(H)  
Depth Control Screw Housing  
lubrication point.

### Movable Cutting Table Wheel Change Out

**NOTE:** Movable Cutting Table Roller Wheels should be replaced at the same time.



(A)  
Remove Roller Wheels. Rotate  
counter-clockwise to loosen.



(B)  
Obtain Wheel replacement  
parts. (See parts list)



(C)  
Install Wheel/Washer Assembly  
into Movable Cutting Table.

**NOTE:** When installing the Retaining Bolt, do not “cross-thread” and DO NOT over tighten the Nut.



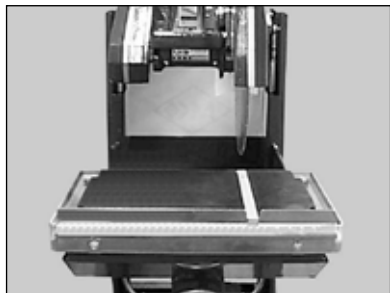
(D)  
Install Roller Wheel  
Retaining Nut and tighten.  
Rotate clockwise to tighten.



(E)  
Install Movable Cutting Table.

## Protective Wooden Strip Replacement

The protective wooden strip is to protect the Movable Cutting Table from damage during operation. Over time, the wooden strip will become grooved from use. A grooved wooden strip will not support masonry during cutting causing the blade to “break through” the piece instead of performing a smooth cut.



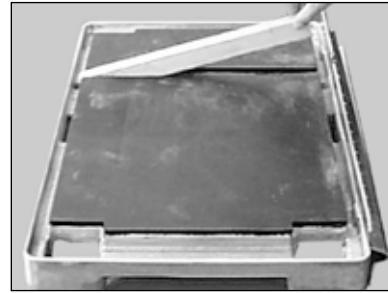
(A)

Inspect the Wooden Strip for excessive wear and grooves.



(B)

Place Movable Cutting Table on a work bench with the wheels up. Remove the two Protective Wooden Strip retaining screws.



(C)

Replace worn Protective Wooden Strip.



(D)

Place Movable Cutting Table on a work bench with the wheels up, and reinstall retaining screws.



(E)

Install the Movable Cutting Table.

## Check Fuel Level



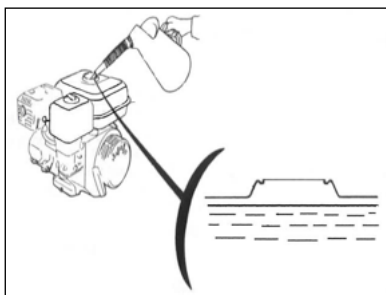
### WARNING

1. Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel.
2. To fuel, stop engine if running and allow it to cool.
3. Refuel in a well-ventilated area.
4. Keep gasoline away from appliance pilot lights, barbecues, electric appliances, power tools, etc.
5. Wipe up spills immediately.

- NOTE:**
1. Fuel can damage paint and plastic. Be careful not to spill fuel when filling the fuel tank. Damage caused by spilled fuel IS NOT covered under the warranty.
  2. DO NOT use stale or contaminated gasoline or an oil/gasoline mixture.
  3. A ladder meeting OSHA specification is recommended.
  4. Use unleaded gasoline with a pump octane rating of 86 or higher.



(A)  
Remove Fuel Cap.



(B)  
Check Fuel Level (If level is 1/2 full or greater, go to step D.



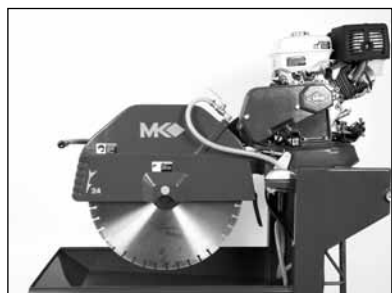
(C)  
Fill Fuel Tank until level is below throat.



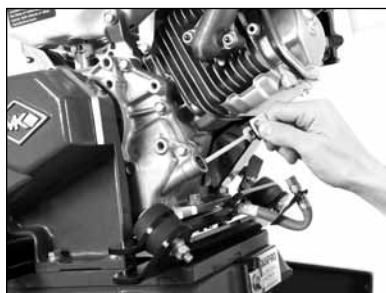
(D)  
Install Fuel Cap  
DO NOT over-tighten.

## Checking Oil Level

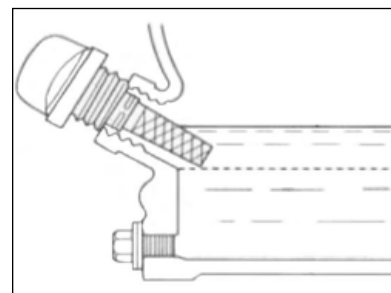
- NOTE:**
1. See Engine Manual for capacity.
  2. When installing the Oil Dipstick, ensure the threads are aligned with the threads of the Oil Reservoir so as not to "cross-thread."



(A)  
Level Cutting Head.



(B)  
Remove Dipstick.



(C)  
Check Oil Level.

## Changing Oil

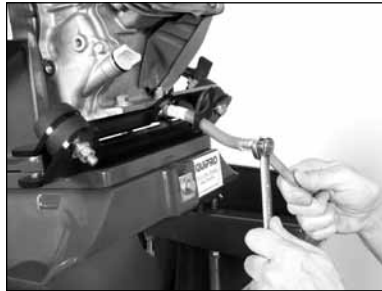
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Oil is a major factor affecting performance and service life. See Engine Manual for specifications.

- NOTE:**
1. Drain used oil while the engine is warm.
  2. Conform to Federal, State and Local laws, codes and ordinances relative to environmental protection for oil disposal.



(A)  
Raise Cutting Head. Straighten  
oil drain hose.



(B)  
Place container below Oil Drain.  
Open Oil Drain; Drain Oil (conform  
to Federal, State and Local laws  
for disposal).



(C)  
Fill Oil Reservoir.  
(See Engine Manual)

## Engine Air Filter Inspection Cleaning and Replacement

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(A)  
The Air Filter needs to be  
cleaned and/or replaced occa-  
sionally. (See Engine Manual)



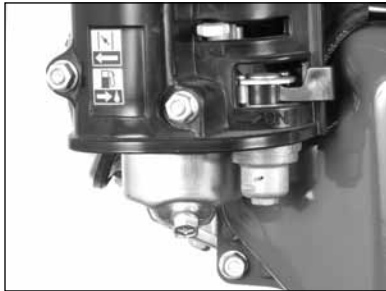
## Fuel Sediment Cup Cleaning

**WARNING**

1. Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel.
2. To fuel, stop engine if running and allow it to cool.
3. Refuel in a well-ventilated area.
4. Keep gasoline away from appliance pilot lights, barbecues, electric appliances, power tools, etc.
5. Wipe up spills immediately.

**NOTE:**

1. Conform to Federal, State and Local laws for the proper disposal of fuel
2. Fuel can damage paint and plastic. Be careful not to spill fuel when filling the fuel tank. Damage caused by spilled fuel IS NOT covered under the warranty.
3. DO NOT use stale or contaminated gasoline or an oil/gasoline mixture.
4. An OSHA approved ladder is recommended when fueling.
5. When installing the Sediment Cup retaining bolt, ensure the threads of the bolt are aligned with the threads on the Fuel Valve so as not to “cross-thread the bolt.”



(A)

The fuel sediment cup needs to be cleaned occasionally.  
(See Engine Manual)

## Spark Plug Replacement

**CAUTION**

DO NOT work around the engine while hot.

**NOTE:**

1. When installing the Spark Plug, ensure the threads of the are aligned with the threads in the engine so as not to “cross-thread” the plug.



(A)

Adjust or replace spark plug occasionally.  
(See Engine Manual)

## Belt Inspection, Replacement and Adjustment

The MK-5000G is designed with two belts. The two belts are a matched set and should be inspected, adjusted and/or replaced at the same time.

- NOTE:**
1. When new belts are installed, they should be inspected and re-tensioned after the first forty-eight (48) hours of operation.
  2. When performing any maintenance on the power transmission belts, always start with the belt on the Blade Guard side.

### Engine Belt



(A)  
Remove the Belt Guard Retaining Bolts.



(B)  
Inspect the belt for cracks, fraying, separation and wear. Go to step D if replacement required.



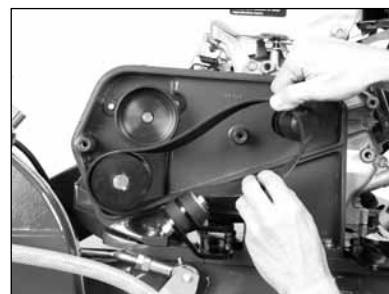
(C)  
Check Belt for proper tension. If tension is correct, go to step K check tension 1/2-way between pulleys (proper tension 1/8" deflection).



(D)  
Loosen the four engine bolts mounting plate. If re-tensioning, go to step I.



(E)  
Loosen Engine Adjustment Strap Bolt push the Engine Mounting Plate toward the front of the saw to loosen the belt.



(F)  
Remove the belt.





(G)  
Install the new belt.



(H)  
Verify the belt is seated in the grooves of both pulleys.



(I)  
Tighten the Engine Adjustment Strap Bolt to remove slack.



(J)  
Check belt tension (proper tension 1/8" deflection of the belt). Continue adjusting belt until tension is correct then tighten the Engine Plate Mounting Bolts.



(K)  
Install the Belt Guard.

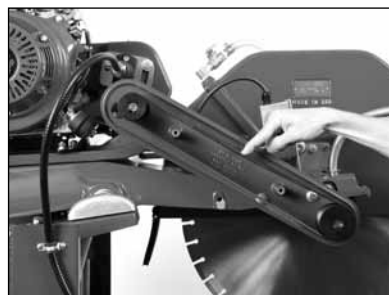
## Blade Shaft Belt



(A)  
Remove the Belt Guard Retaining Bolts.



(B)  
Inspect the belt for cracks, fraying, separation and wear. Go to step D if replacement required.



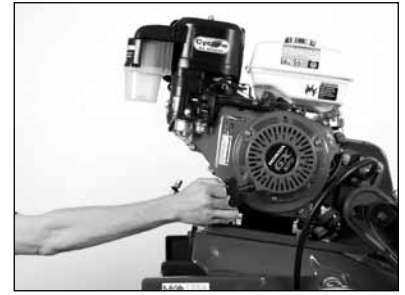
(C)  
Check Belt for proper tension. (proper tension 1/8-inch deflection of the belt)



(D)  
Loosen engine mounting plate  
If re-tensioning, go to step J.

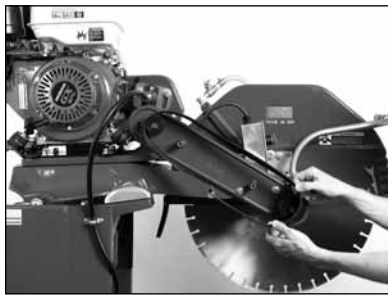


(E)  
Loosen Engine Adjustment  
Strap Lock-nut then loosen the  
Engine Adjustment Strap.



(F)  
Push the Engine Mounting Plate  
toward the front of the unit to  
loosen the belt.

**NOTE:** DO NOT use a screwdriver when installing new belts.



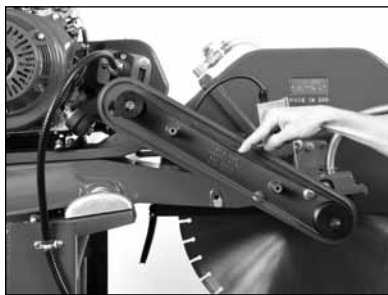
(G)  
Remove the belt. Install the new  
belt.



(H)  
Verify the belt is seated in the  
grooves of both pulleys.



(I)  
Verify the Engine Adjustment  
Strap Lock-nut is loose then  
tighten the Adjustment Strap.



(J)  
Check belt tension.  
(proper tension 1/8" deflection of  
the belt)



(K)  
Tighten Engine Mounting Plate.



(L)  
Install the Belt Guard.

**MK-5000G Block Saws - Pulley Combinations by MK Part Number**

Blade Size	Gas Saws (9-13 Hp)		
	14 inch	20 inch	24 inch
Motor Pulley 5-7-9 Hp Elect. 9-13 Hp Gas 10 Hp Elect.	158470 •	160365 •	160365 •
Motor Pulley to Jack Shaft	160362	160362	160362
Jack Shaft to Arbor	158959	160364	160364
Arbor STD (3/4") HD (1")	160362	158959	160362
	161135	158470	161135
Motor Belts	160366		
Arbor Belts	160367		

**Cooling Flow Stopped**

(A)  
Check Cooling Flow  
Control Valve is open.



(B)  
Remove Transfer Tube from  
Blade Guard.



(C)  
Place Water Pump in clean  
water source and check for flow.  
(if no flow go to step G)

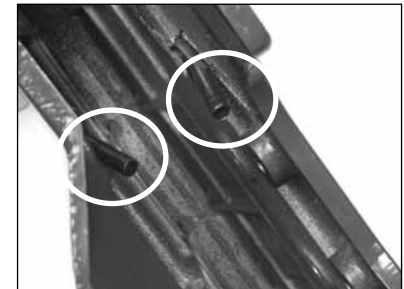
**NOTE:** “Rodding” cooling channels is performed by removing the flow control valve and then inserting a small wire rod through the cooling channel inlet, located on the underside of the Blade Guard. The cooling channels should be “rodded” until each of the outlet ports are open and free of foreign debris.



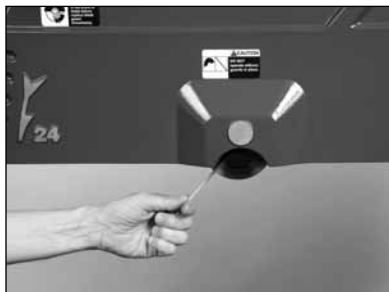
(D)  
Verify Cooling Valve operation  
by removing the valve from the  
Blade Guard.



(E)  
Attach the Cooling Valve to the  
Transfer Tube to verify flow –  
if no flow, replace valve.



(F)  
Locate Cooling Channels inside  
Blade Guard.



(G)  
Rod Cooling Channels and  
recheck flow.

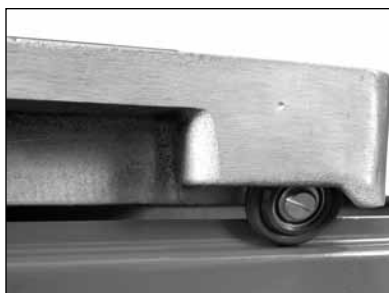


(H)  
Verify Water Pump suction is  
clean and pump impeller is  
turning. Pump Impeller is inside  
water inlet.



(I)  
Verify Water Pump drive end is  
in the operating position.

### Movable Cutting Table Does Not Move Correctly



(A)  
Check for Roller Wheel Damage.



(B)  
Verify ease and freedom of  
Movement.

### Blade Stops Turning

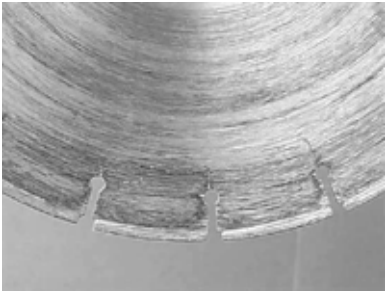


(A)  
Check to see if engine is  
running.

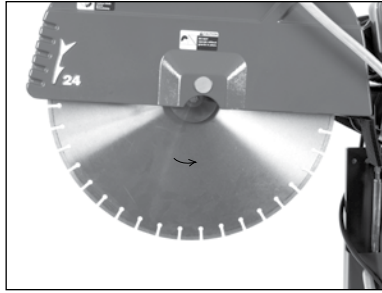


(B)  
Check belts. (See Belt  
Inspection, Adjustment and  
Replacement)

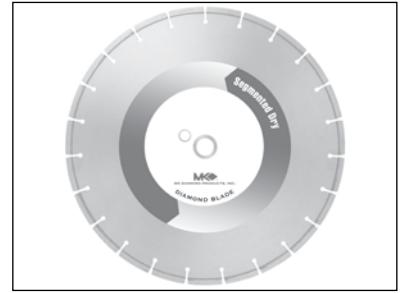
### Blade Will Not Cut Properly



(A)  
Check for smoothness  
or “glazing”.



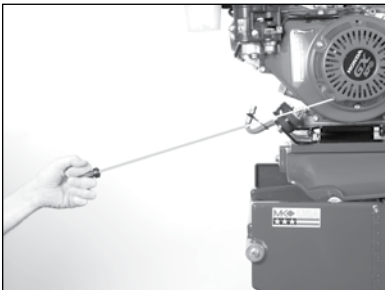
(B)  
Check for proper rotation.



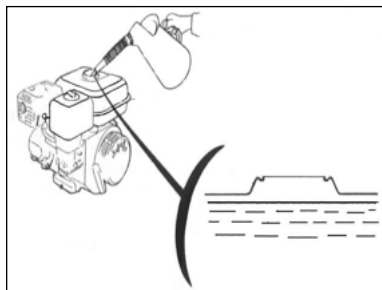
(C)  
Ensure Blade Core not bent.

### Engine Stops

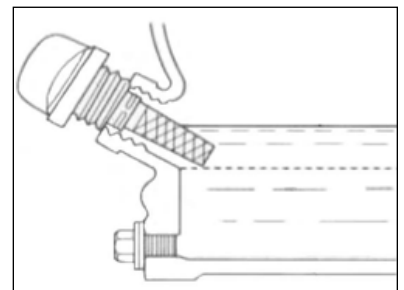
**NOTE:** The Engine is equipped with an oil level sensor that will stop the engine on a low oil level



(A)  
Pull Starter Cord straight back  
in a smooth fast motion.



(B)  
Verify fuel level is below the  
throat of the Fuel Tank.

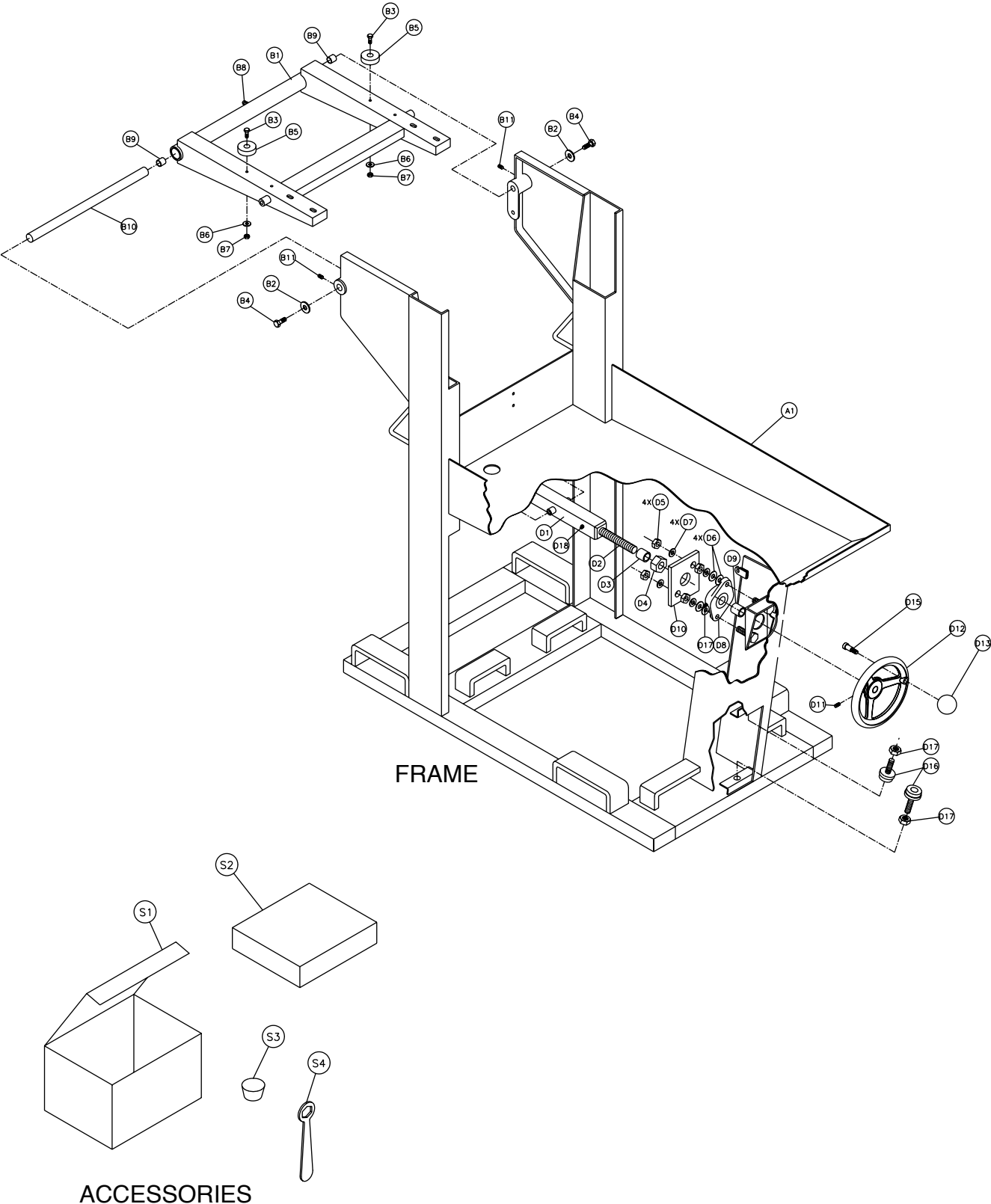


(C)  
Check for proper oil level.  
(See Maintenance section if low)

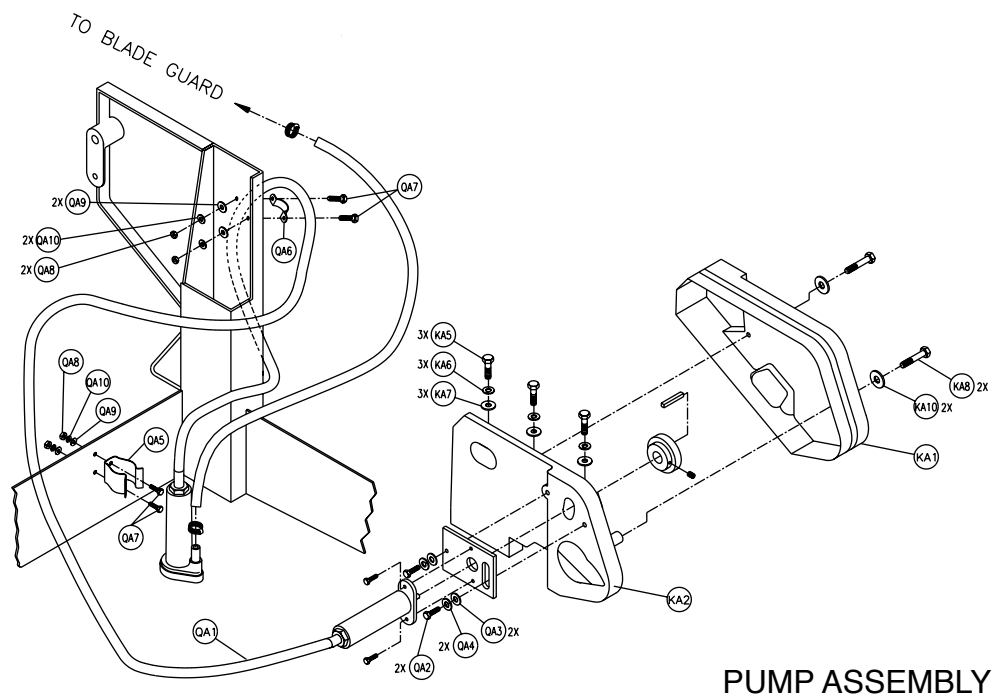
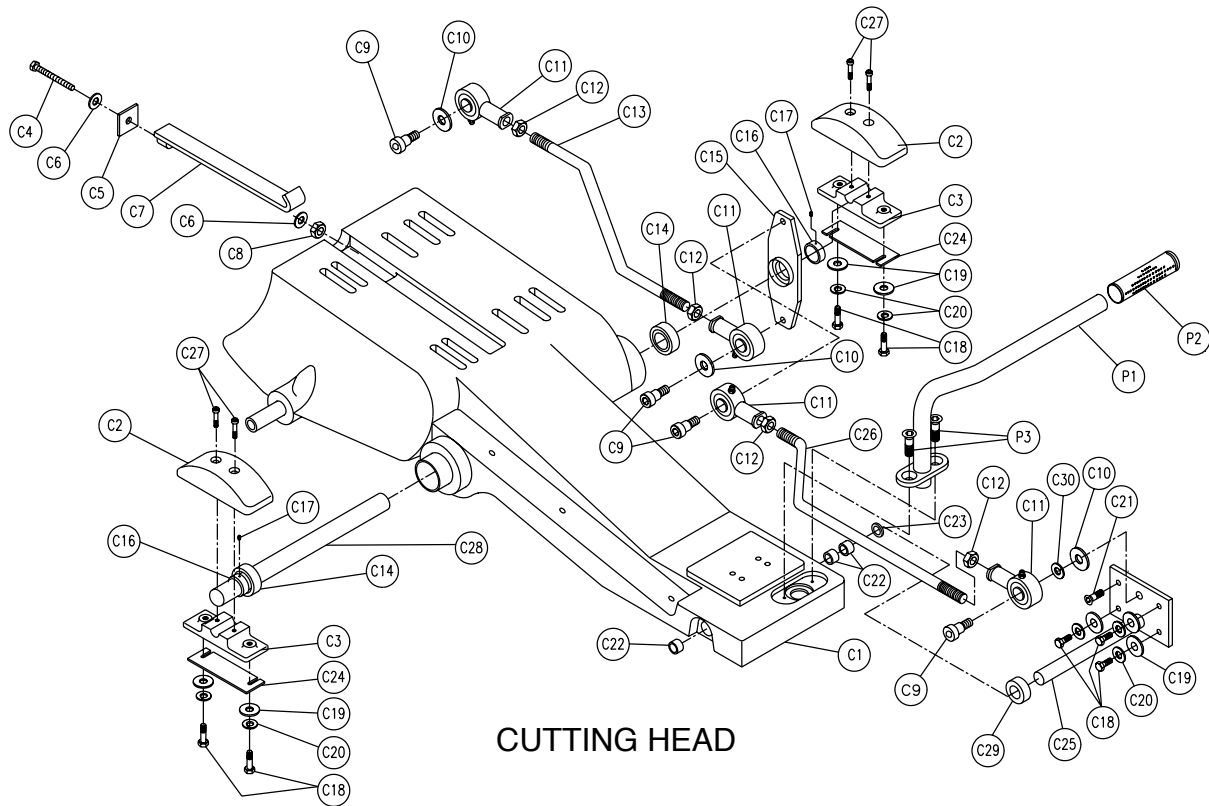


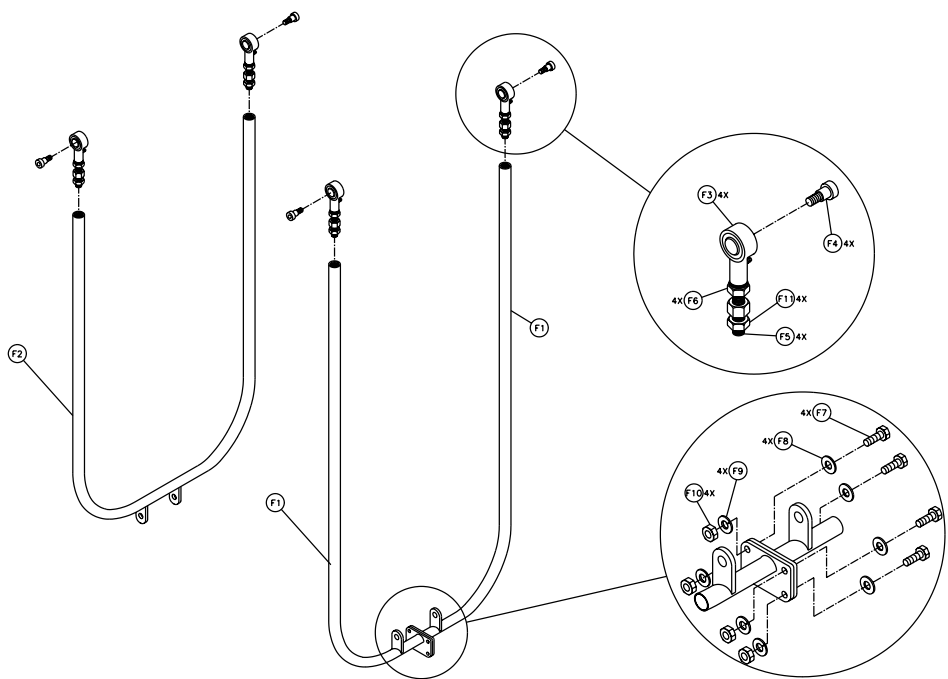
(D)  
Clean and readjust engine  
Spark Plug. (See Spark Plug  
Adjustment and Replacement)



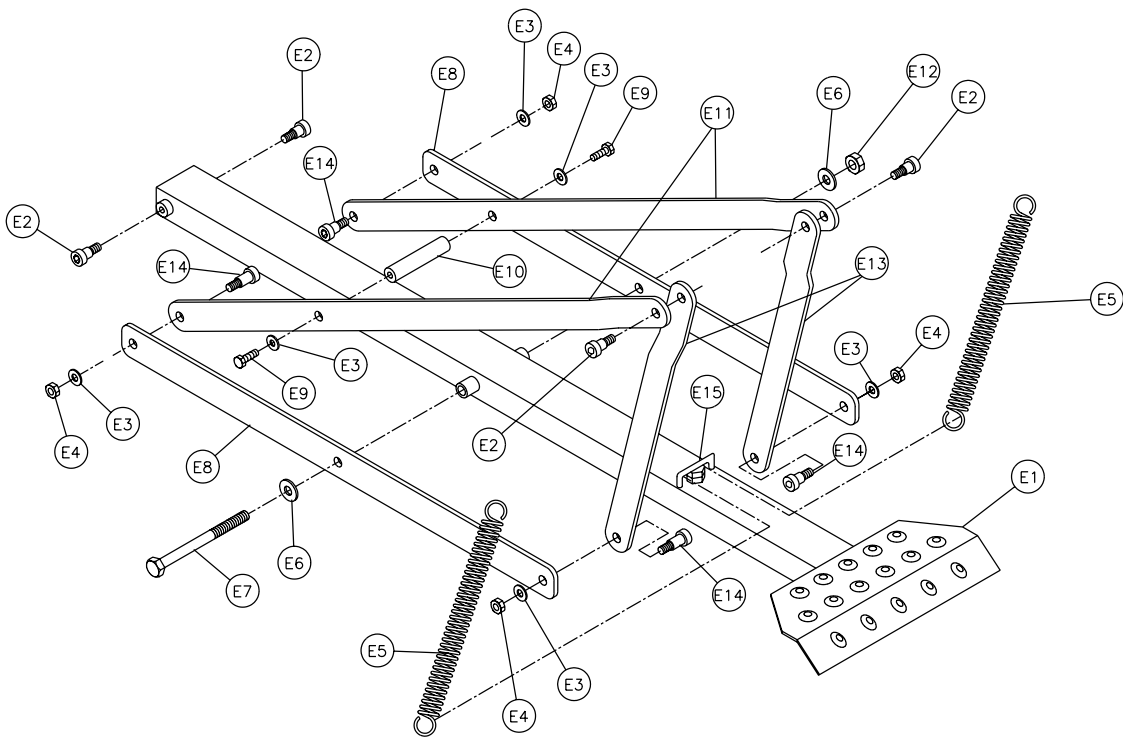




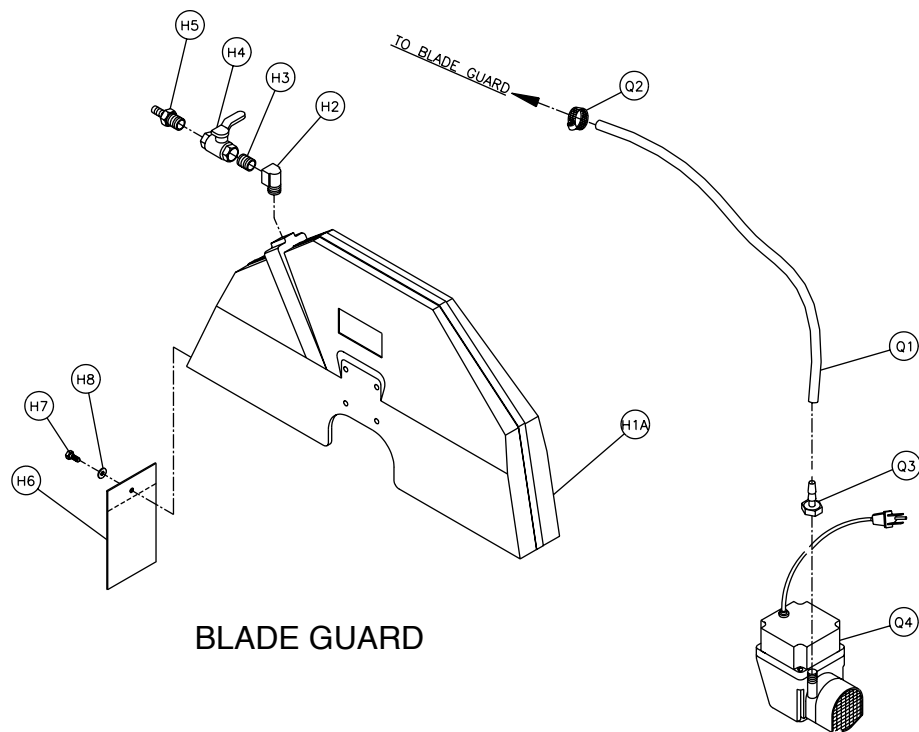
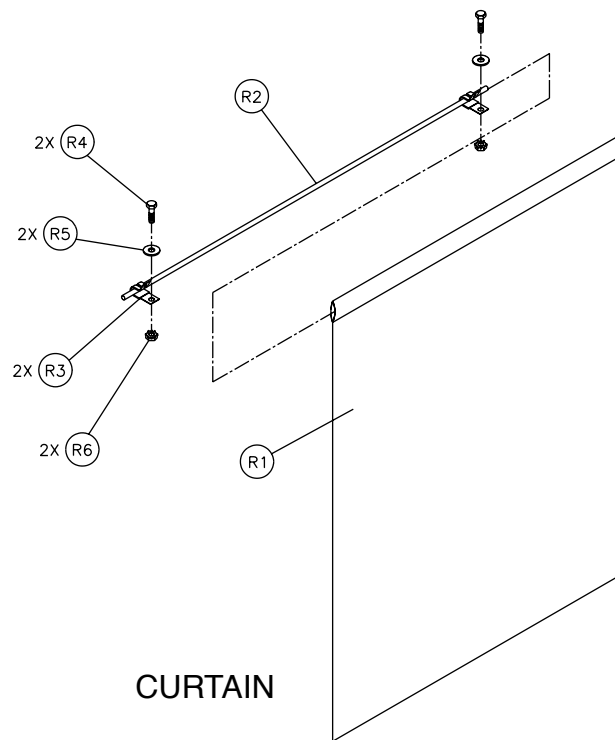


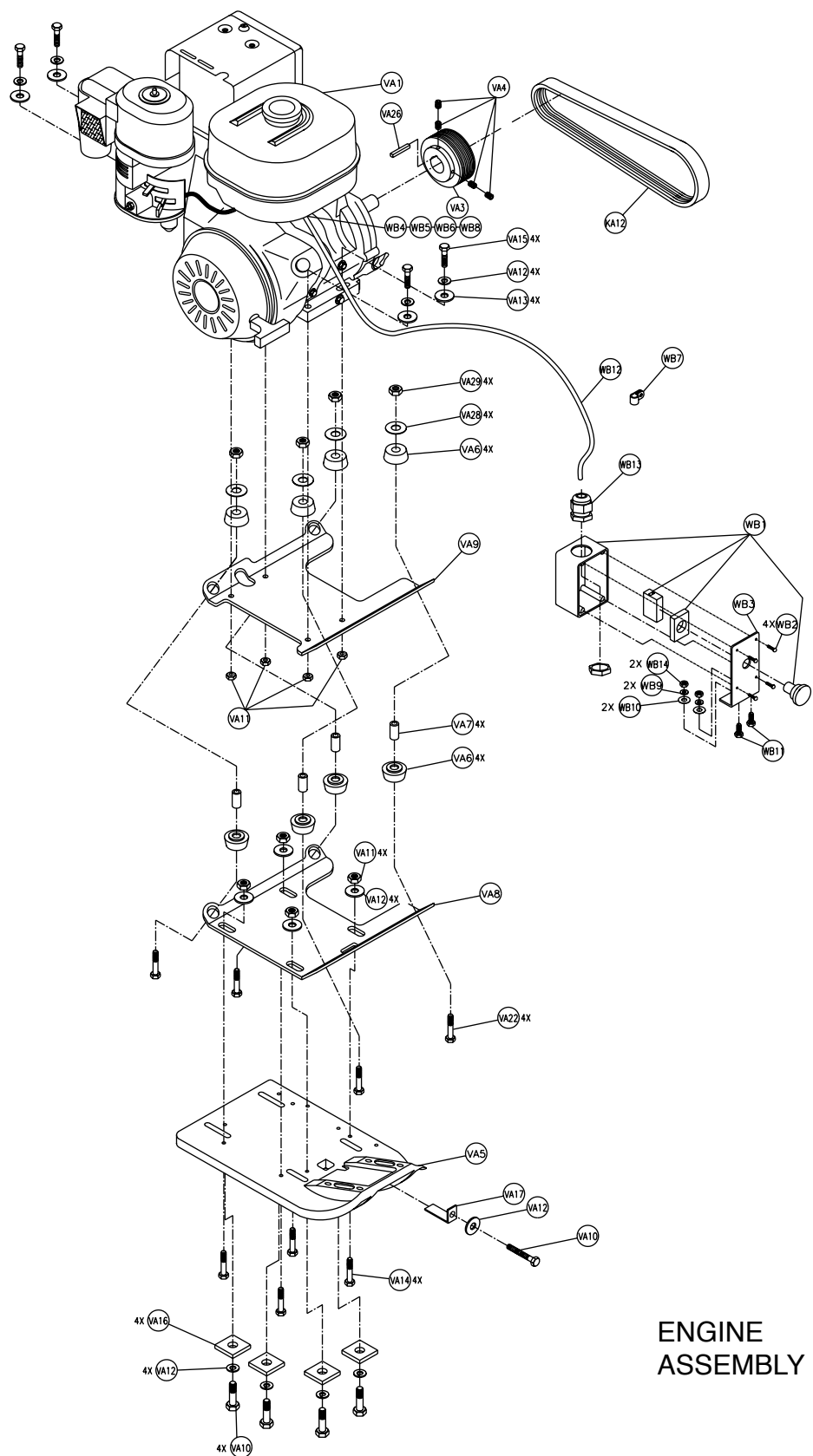


CONNECTING LINKAGE



FOOT PEDAL LINKAGE





ENGINE  
ASSEMBLY

Item	Description	Qty	Part #
A	Frames	-	-
A1	Frame, MK-5000 Main	1	155541
B	Pivot Bracket	-	-
B1	Bracket, Elevation Pivot	1	156285
B2	Washer, 3/8 ID x 1-1/2 OD, Fender Washer	2	158523
B3	Screw, 1/4-20 x 1/2 Hex Head	2	152608
B4	Screw, 3/8-16 x 3/4 Hex Head	2	153527
B5	Bumper, 1/4 ID x 1-1/2 OD x 3/4	2	154496
B6	Washer, 1/4 SAE Flat	2	151915
B7	Nut, 1/4-20 Hex	2	151893
B8	Fitting, Grease (zerk)	1	153852
B9	Bushing, 1 x 1-1/4 x 2 MIS	2	154571
B10	Shaft, Pivot Arm MK-5000	1	155880
B11	Screw, 1/4-20 x 1/4 Socket Head Set, Cone point	2	153864
C	Cutting Head MK-5000	-	-
C1A	Casting, Cutting Head (comp)	1	162545
C1B	Assembly, Cutting Head, HD	1	162546
C2	Cover, 5000 Mounting Block (Comp)	2	156265
C3	Casting, 5000, Mounting Block (Comp)	2	155762
C4	Bolt, 3/8- 16 x 4-1/2 Hex Head Tap	1	153110
C5	Washer, 1-1/4 x 1-1/4 Square	1	157567
C6	Washer, 3/8 SAE Flat	2	150923
C7	Strap, Motor Adjustment	1	153611
C8	Nut, 3/8- 16 UNC	1	101188
C9	Screw, 1/2 x 1/2 Socket Head Shoulder	4	151753
C10	Washer, 1/2 SAE Flat	3	150924
C11	Joint, 1/2- 20, Female Spherical (RH)	4	154387
C12	Nut, 1/2- 20 Jam (RH)	4	154460
C13	Arm, Rear Connecting	1	158563
C14	Bearing, Ball 5/8 ID x 1-3/8 OD	2	140004
C15	Crank, Bell	1	157426
C16	Collar, Stop 5/8 ID x 1-1/8 OD x 1/2	2	140012
C17	Screw, 5/16-18 x 1/4, Socket Head Set	2	152607
C18	Screw, 5/16 x 18 x 1, Hex HD Cap	7	151743
C19	Washer, 5/16 SAE Flat	7	151754
C20	Washer, 5/16 Split Lock	7	151747
C21	Screw, 5/16-18 x 1 Flat, Socket HD Cap	1	155552
C22	Bushing, .75 x .875 x 1 Steel	3	160826
C23	Washer, Nylon .75 x 1.25 x .093	2	160827
C24	Shim, Mount Pivot Shaft Various	2	155905
C25	Shaft, Blade Guard Pivot	1	155886
C26	Link Rod, Blade Guard	1	158564
C27	Screw, 1/4- 20 x 1 Socket Head Cap	4	151049
C28	Shaft, Cutting Head Pivot	1	154828
C29	Collar, 3/4 Set	1	153814
C30	Washer, 3/8 Split Lock	1	150925
D	Depth Control	-	-
D1	Housing, Adjustment Shaft	1	152116
D2	Screw, 3/4- 6 x 10-7/8, Depth Control	1	150840

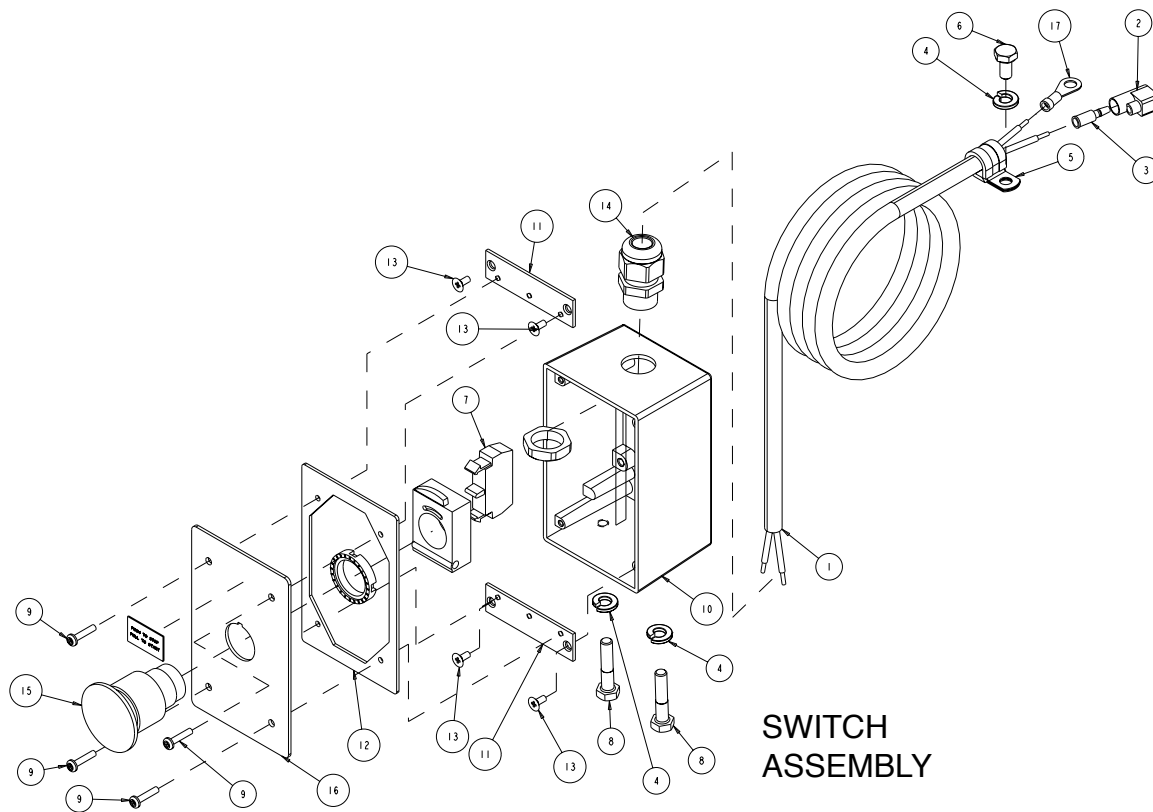
Item	Description	Qty	Part #
D3	Spacer, 3/4 ID x 1 OD x 3/4	1	156249
D4	Locknut, Feed Screw	1	158227
D5	Nut, 3/8- 16 Hex Hd.	4	101188
D6	Washer, 3/8 SAE Flat	4	150923
D7	Washer, 3/8 Split Lock	4	150925
D8	Bearing, Flange FC2-25 x 3/4 ID	1	152025
D9	Spacer , .76 ID x 1 OD x 1.187	1	156250
D10	Plate, Bearing Support	1	156278
D11	Screw, 3/8-16 X 1/2 Socket Head Set, cup point	1	153710
D12	Wheel, Depth Control (comp)	1	153646
D13	Knob, Ball, 2", 3/8-16 Insert	1	158519
D15	Screw, 1/2 x 3/4 Socket Head Shoulder	1	156177
D16	Bumper, 1-1/2 Dia. x 1/2- 13 x 3 Stud	2	158605
D17	Nut, 1/2- 13 Hex	2	151282
D18	Fitting, Grease	2	153852
DA	Depth Control Lock	1	157380
DA1	Knob, Depth Lock (comp)	1	155845
DA2	Washer, Thrust 1"OD X 3/8" ID	1	155238
DA3	Lock, 5000GH Depth Control Wheel	1	157336
DA4	Bolt, Hex Head Tap, 3/8-16 x 3	1	155830
DA5	Nut, Hex, 3/8-16	1	101188
E	Foot pedal Linkage	-	-
E1	Foot pedal and Bar, 5000 Block Saw	1	160139
E2	Screw, 1/2 x 1/2 Socket Head Shoulder	4	151753
E3	Washer, 3/8 SAE Flat	6	150923
E4	Nut, 3/8-16 Center Lock	4	153522
E5	Spring, Foot pedal	2	152115
E6	Washer, 1/2 SAE Flat	2	150924
E7	Screw, 1/2-13 x 5-1/2 Hex Head Cap	1	158526
E8	Linkage, Pedal Horizontal	2	152112
E9	Screw, 3/8- 16 x 1 Hex Head Cap	2	152507
E10	Pedal, Shaft Tie	1	156259
E11	Linkage, Pedal Diagonal	2	152113
E12	Nut, 1/2- 13 Center Lock	1	156238
E13	Linkage, Pedal Vertical	2	152114
E14	Screw, 1/2 x 3/4 Socket Head Shoulder	4	156177
E15	Hook Bolt, Weldment, 5000 Block Saw	1	160141
F	Connecting Linkage	-	-
F1	Link, Front Connecting	2	156253
F2	Link, Rear Connecting	1	156252
F3	Joint, 1/2- 20 Female Spherical (RH)	4	154387
F4	Bolt, 1/2 x 1/2 Socket Head Shoulder	4	151753
F5	Screw, Adjustment	4	154433
F6	Nut, 1/2- 20 Jam	4	154460
F7	Bolt 5/16- 18 x 1 Hex HD	4	151743
F8	Washer, 5 /16 SAE Flat	4	151754
F9	Washer, 5/16 Split Lock	4	151747
F10	Nut, 5/16- 18, Hex HD	4	101196
F11	Nut, 1/2- 20 Jam (LH)	4	154461



Item	Description	Qty	Part #
G1	Blade Shaft MK-5000	-	161308
GA1	Assembly, Blade Shaft Add Structure	1	160645
H	Blade Guard MK-5000	-	-
H1A	Casting, Blade Guard, MK-5000 (comp) 20"	11	159674
H1B	Casting, Blade Guard, MK-5000 (comp) 24"		159324
H2	Elbow, 3/8 NPT 90 Brass Street	1	152074
H3	Nipple, 3/8 NPT x Close Brass	1	152073
H4	Valve, 3/8 Ball	1	152075
H5	Fitting, 3/8 MNPT x 3/8 BARB Brass	1	152076
H6	Guard, Splash	1	160310
H7	Screw, 1/4-20 x 5/8 Hex HD	1	150404
H8	Washer, 1/4 SAE Flat	1	151915
KA	Belt Guards, Gas	-	-
KA1	Casting, Belt Guard, Motor, Outer (comp)	1	156149
KA2	Casting, Belt Guard, Motor, Inner (comp)	1	156148
KA3	Casting, Belt Guard, Arbor, Outer (comp)	1	160888
KA4	Casting, Belt Guard, Arbor, Inner (comp)	1	160890
KA5	Screw, Hex Head 3/8-16 x 1-1/4	3	150774
KA6	Washer, Lock, Split 3/8	3	150925
KA7	Washer, Flat, SAE 3/8	3	150923
KA8	Screw, Hex Head 5/16-18 x 2-1/2	4	101675
KA9	Washer, Lock, Split 5/16	4	151747
KA10	Washer, Flat, SAE 5/16	4	151754
KA11	Screw, Hex Head 5/16 x 1-1/4	2	153950
KA12	Belt, Micro-V 16J270	1	160366
KA13	Belt, Micro-V 16J430	1	160367
N1	Assembly, 5000 Table	1	152124
NA1	Table Deluxe	1	165991
P	Handles	-	-
P1A	Handle, Cutting Head 20"	11	155851
P1B	Handle, Cutting Head 24"		155613
P2	Handgrip, 7/8"	1	139949
P3	Screw, 3/8- 16 x 1 Flat Socket HD Cap	2	154019
QA	Water Pump, Mechanical	-	-
QA1	Assembly, Pump, Water, 5000 Gas	1	152355
QA2	Screw, Hex Head Cap 3/8-16X1	2	152507
QA3	Washer, Flat SAE 3/8	2	150923
QA4	Washer, Lock, Split 3/8	2	150925
QA5	Clamp, Spring	1	152453
QA6	Clamp, Cushion Loop, 3/8	1	152592
QA7	Screw, Phil, Self Tap 10-24 x 5/8	4	153681
QA8	Nut, 10-24	4	151749
QA9	Washer, Flat, #10 SAE	4	154369
QA10	Washer, Lock, Split #10 Plated	4	153684

Item	Description	Qty	Part #
R	Curtain	-	-
R1	Curtain, Splash, MK-5000	1	160764
R2	Rod, Splash Curtain	1	160711
R3	Clamp, Cushion Loop	2	152592
R4	Screw, 1/4- 20 x 3/4 Hex HD	2	152370
R5	Washer, 1/4 Flat SAE	2	151915
R6	Nut, Hex, Kep 1/4- 20	2	153941
S	Accessory Pack	-	-
S1	Carton, Accessory Pack MK-5000	1	152432
S2	Insert, Accessory Pack MK-5000	1	152433
S3	Plug, Rubber Drain	1	153439
S4	Wrench, Masonry Saw	1	134056
S5	MK-5000G Owners Manual	1	160958
S6	Blade, MK-799DE	1	158237
T	Carton	-	-
T1	Carton, 5000	1	152994
T2	Pallet, 5000	1	152072
VA	Engines	-	-
VA1A VA1B	Engine, 9Hp, Gasoline, Honda, Cyclone Engine, 13Hp, Gasoline, Honda, Cyclone	11	155396 155365
VA2	Deflector	1	155375
VA3	Pulley, 16J18X1.0 Bore	1	160365
VA4	Screw, 5/16- 18 x 3/16 Socket HD Set	12	151167
VA5	Casting, Engine Mounting (comp)	1	156140
VA6	Shock Mount, Rubber (MMC#64865K85)	8	156105
VA7	Shock Mount, Stand Off (5/8 X 3/8 TBG x 1.4)	4	156560
VA8	Mount, Engine, Lower Plate	1	158738
VA9	Mount, Engine, Upper Plate	1	158737
VA10	Screw, Hex Head 3/8-16x 1-3/4	4	150920
VA11	Nut, Hex 3/8-16	8	101188
VA12	Washer, Lock, Split 3/8	12	150925
VA13	Washer, Flat Cut 3/8	13	150923
VA14	Screw, Hex Head 3/8-16 x 1-1/4	4	150774
VA15	Screw, Hex Head Cap 3/8-16 x 2	5	153485
VA16	Washer, Square 1-1/4 x 1-1/4	4	157567
VA17	Belt Tensioner	1	160432
VA19	Pulley, 16J28X.75 Bore	1	160362
VA20	Pulley, 16J20X.75 Bore	1	160364
VA26	Key, 1/4 x 1/4 x 1-3/4 Square	1	150796
VA27	Key, 3/16 X 3/16 X 1-3/4	2	157561
VA28	Washer, Fender 5/16 ID x 1-1/2 OD	4	101527
VA29	Nut, Hex 5/16-18	4	101196
VA30	Label, Danger, California, 1.5 X 3.0	1	155581
VA31	Label, Caution, Hot Surface, 1.5 X 3.0	1	155578
VA32	Label, Danger, Lethal Exhaust, 1.5 X 3.0	1	155582
VA33	Label, Warning, Refueling, 1.5 X 3.0	1	155580
VA34	Label, Caution, Safety	1	155576
VA35	Tag, Serial Number	1	157500

Item	Description	Qty	Part #
	<b>Switch, Emergency Stop, Gasoline</b>	-	<b>162537</b>
1	Cord, Elec. So 16/2	1	152442
2	Connector, Bullet receptacle	1	152425
3	Terminal, Disconnect, Male 5000	1	152426
4	Washer, Lock, Split 1/4	3	152591
5	Clamp, Cushion Loop 3/8"	1	152592
6	Screw, Hex Head 1/4-20 x 1/2	1	152608
7	Contact Block, Normally Open	1	156202
8	Screw, Hex Head 1/4-20 x 1-1/4	2	157145
9	Screw, Pan HD Phil 6-32 x 5/8	4	157393
10	Box, 30A switch (Comp)	4	157393
11	Plate, Mounting, switch	2	159489
12	Gasket, Cover, 30 Amp Switch	2	159489
13	Gasket, Cover, 30 Amp Switch	1	159491
14	Connector, Cord, Liquid Tight	1	159493
15	Assy, Switch Button, Gas	1	162080
16	Cover, Switch, Stop, Gas	1	162080
17	Terminal, 14-16 Ga x 1/4 Ring	1	162538



Item	Description	Qty	Part #
	<b>Table Assembly</b>	-	<b>152124</b>
1	Nut, Hex 7/16 - 14	1	150922
2	Screw, thumb 5/16 - 18 x 1 - 1/2	1	151155
3	Nut, Square 5/16 - 18	1	151156
4	Washer, 1/4 Sae Flat	16	151915
5	Rule, Front Stop	1	152126
6	Bolt, Carr. 7/16 - 14 x 1 - 1/4	2	152425
7	Washer, Lock, Split 7/16	2	152424
8	Casing, 5000, Table - Comp	1	152455
9	Wheel, Roller MK-5000, MK1080	4	152493
10	Stud, Roller Wheel	4	152494
11	Nut, Hex W/Wshr, 1/4 - 20	16	153941
12	Nut, Hex, TW, 5/16 - 18	4	153942
13	Wood Strip, Table Insert	1	157748
14	Screw, #8 x 1 - 1/2 Flat HD Phil	2	158157
15	Mat, MK-5000 Table-Lg	1	160165
16	Mat, MK-5000 Table - SM	1	160166
17	Casing, Squaring Arm-Comp	1	231276

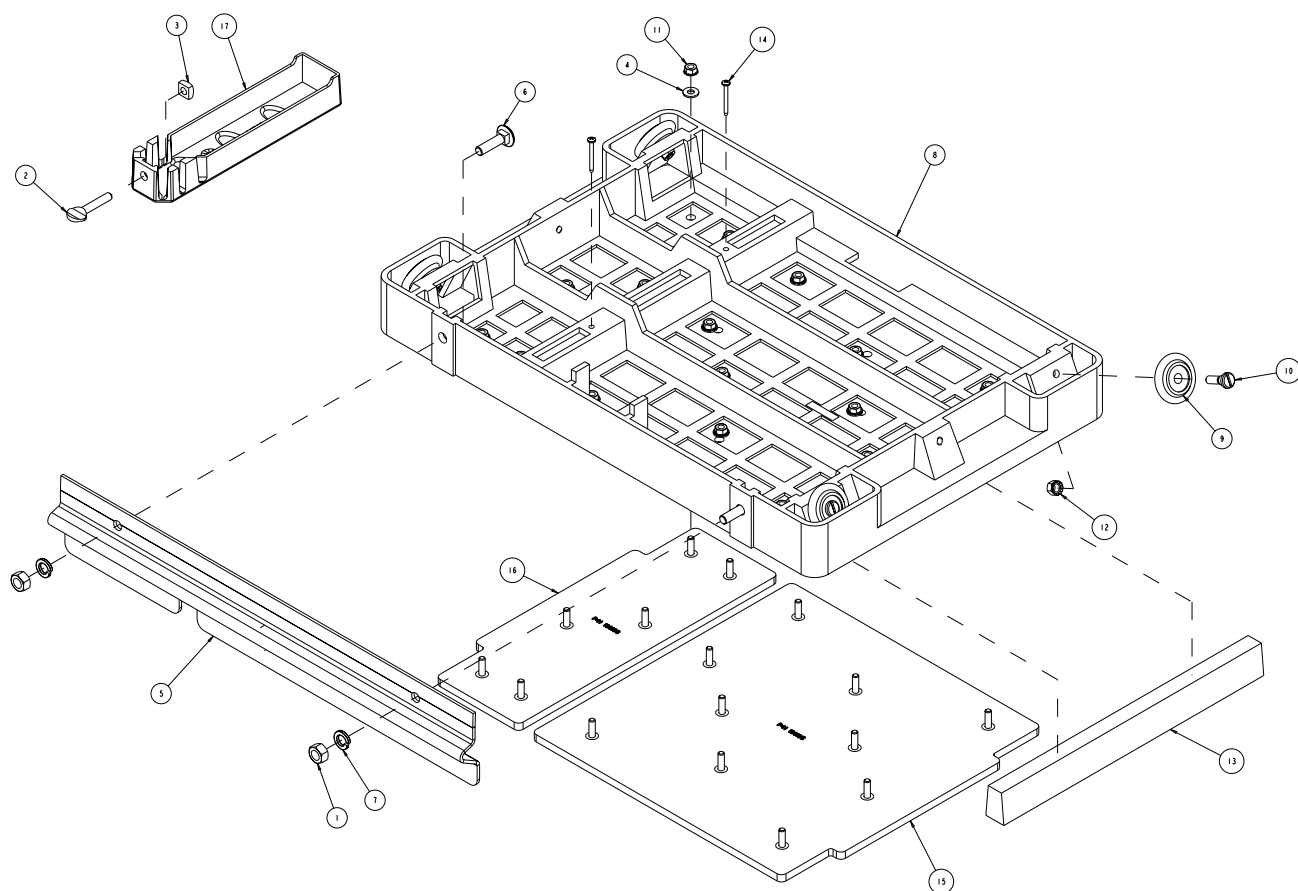
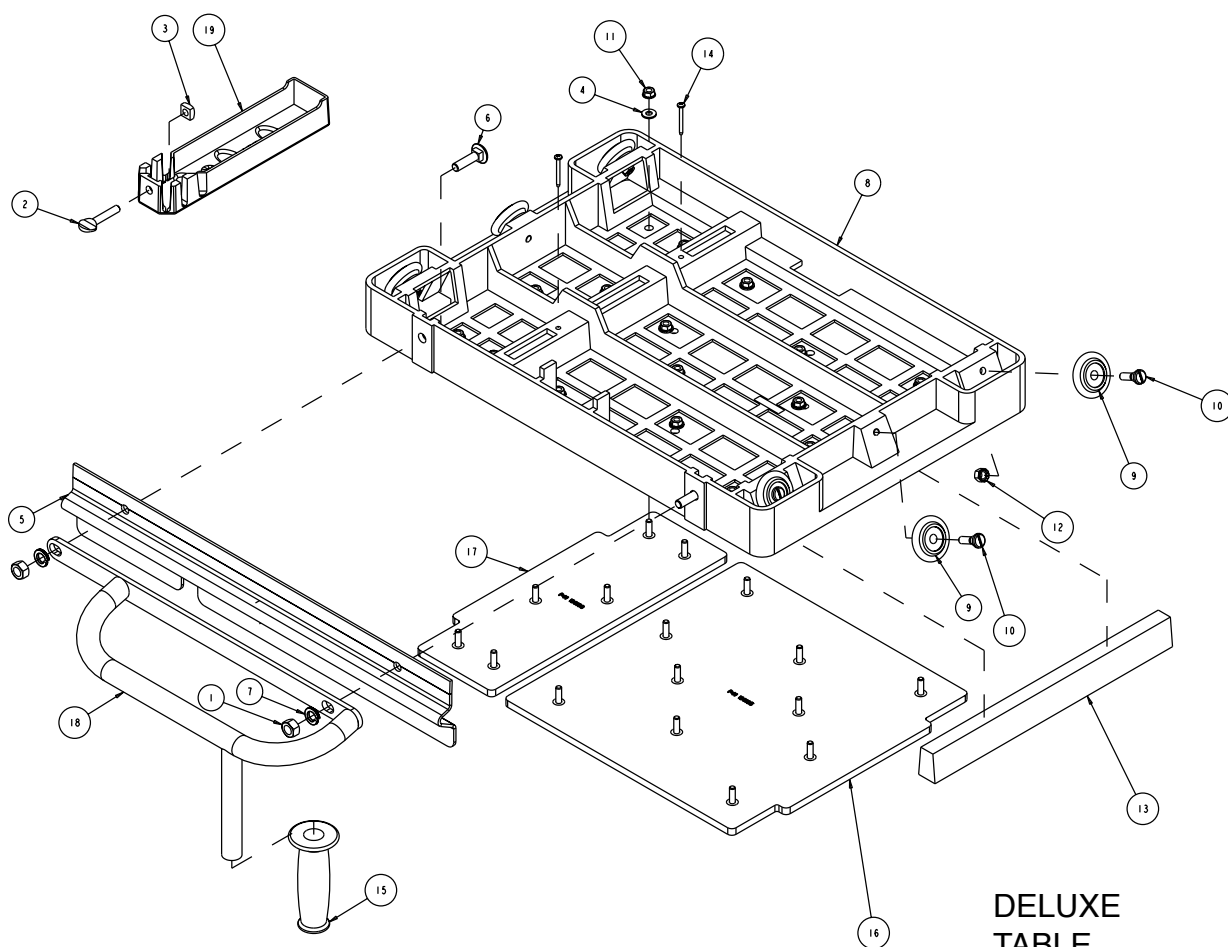


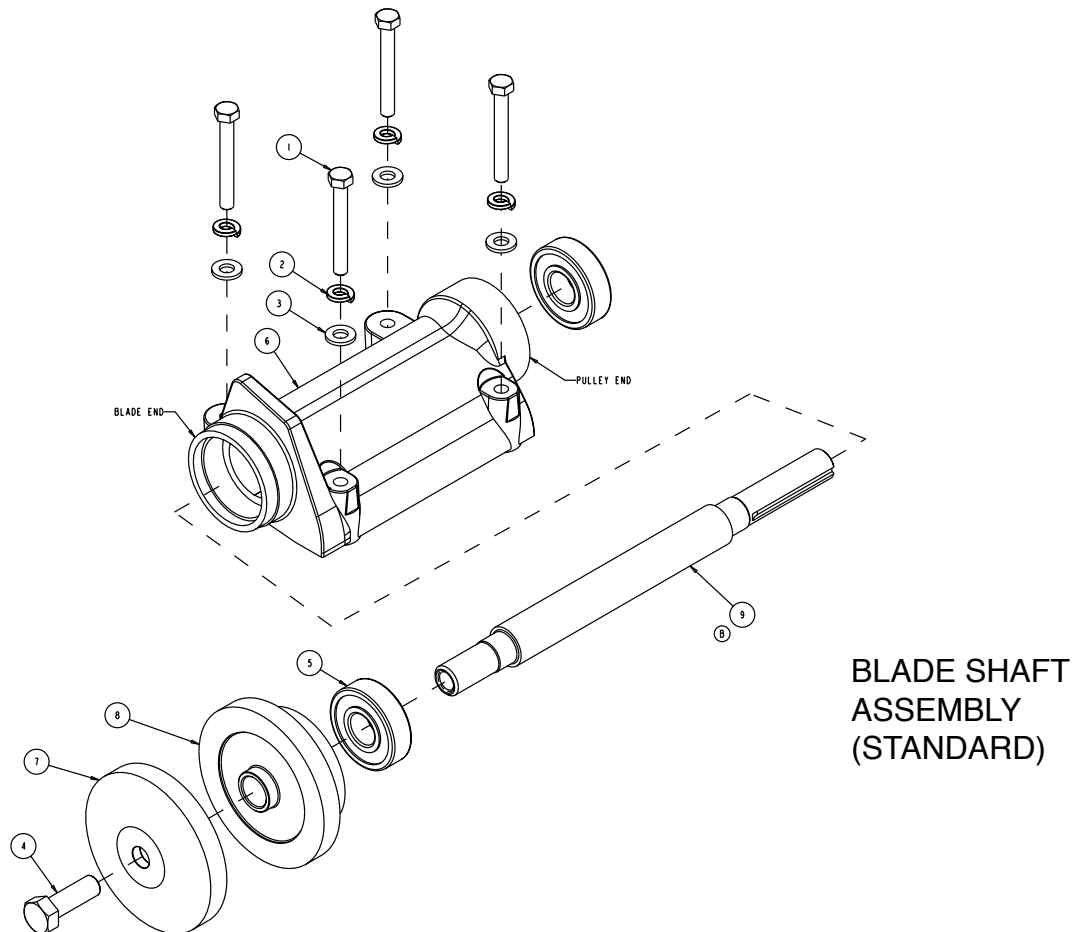
TABLE  
ASSEMBLY

Item	Description	Qty	Part #
	<b>Table Assembly Deluxe</b>	-	<b>165991</b>
1	Nut, Hex 7/16 - 14	1	150922
2	Screw, thumb 5/16 - 18 x 1 - 1/2	1	151155
3	Nut, Square 5/16 - 18	1	151156
4	Washer, 1/4 Sae Flat	16	151915
5	Rule, Front Stop	1	152126
6	Bolt, Carr. 7/16 - 14 x 1 - 1/4	2	152425
7	Washer, Lock, Split 7/16	2	152424
8	Casing, 5000, Table - Comp	1	152455
9	Wheel, Roller MK-5000, MK1080	4	152455
10	Stud, Roller Wheel	4	152494
11	Nut, Hex W/Wshr, 1/4 - 20	16	153941
12	Nut, Hex, TW, 5/16 - 18	4	153942
13	Wood Strip, Table Insert	1	157748
14	Screw, #8 x 1 - 1/2 Flat HD Phil	2	158157
15	Grip, Handle 7/8 ID	1	158608
16	Mat, MK-5000 Table-LG	1	160165
17	Mat, MK-5000 Table - SM	1	160166
18	Handle, Table	1	165990-L
19	Casing, Squaring Arm-Comp	1	231276



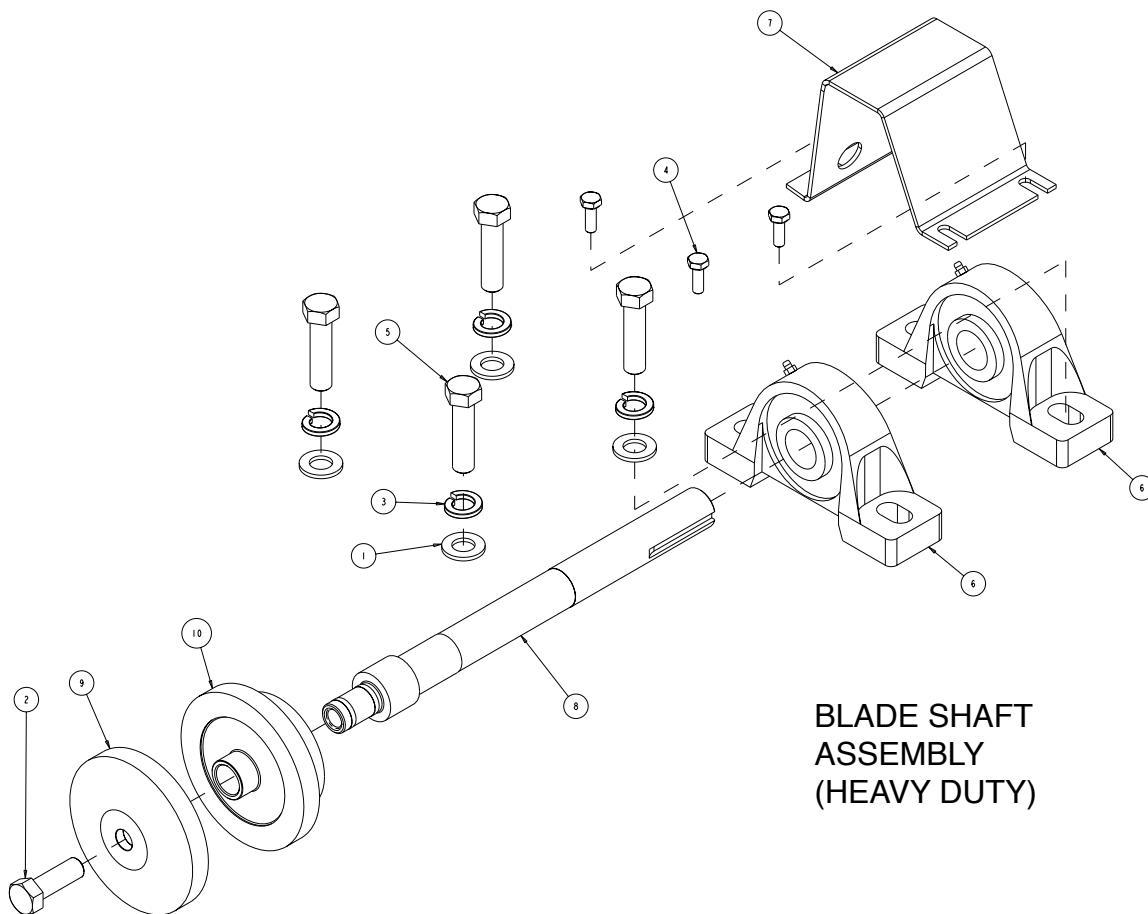
DELUXE  
TABLE  
ASSEMBLY

Item	Description	Qty	Part #
	<b>Arbor Assembly Standard</b>	-	<b>161308</b>
1	Screw, Hex HD 5/16 - 18 x 2 - 1/2	4	101675
2	Washer, 5/16 Split Lock	4	151747
3	Washer, 5/16 Sae Flat	4	151754
4	Screw, Hex HD 1/2 - 20 x 1-1/4	1	152122
5	Bearing, Arbor Housing	2	154594
6	Casting, 2000/5000 Arbor - Comp	1	154637
7	Flange, Outer, Masonry, 4"	1	161304
8	Flange, Outer, Masonry, 4"	1	161305
9	Shaft, Blade, 20mm	1	165861

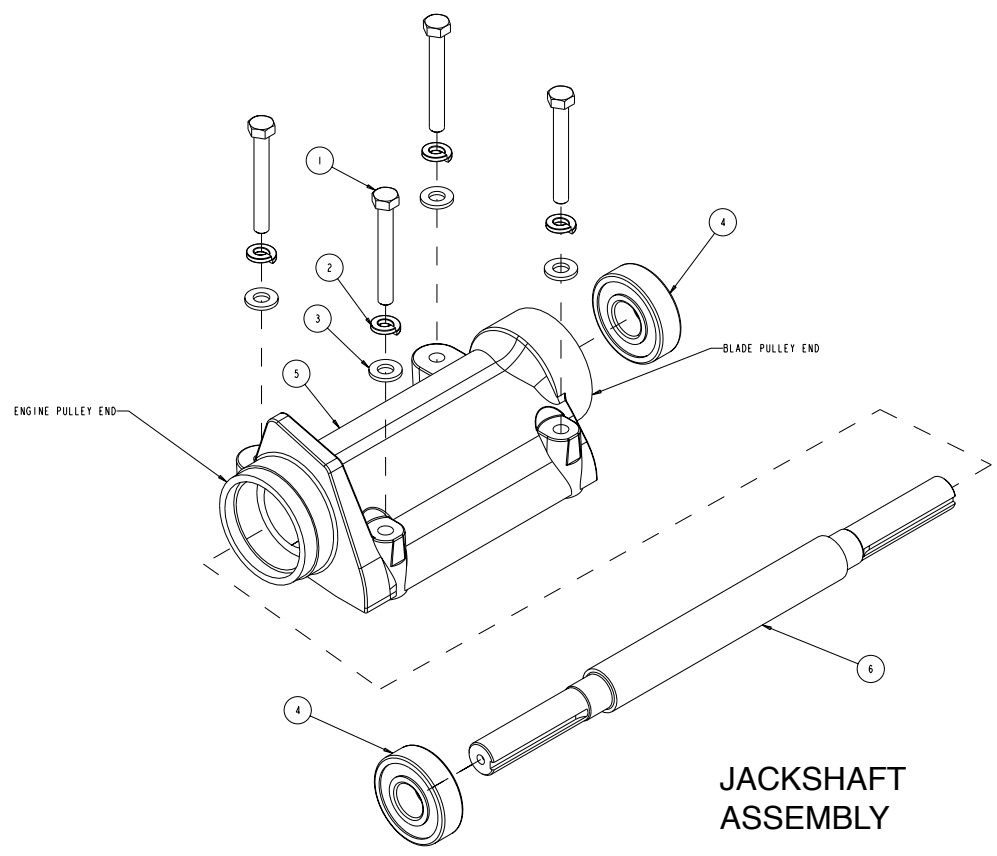









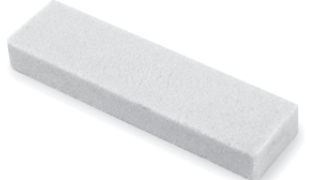

Item	Description	Qty	Part #
	<b>Blade Shaft Assembly Heavy Duty</b>	-	<b>160645</b>
1	Washer, 1/2 Saw Flat	4	150924
2	Screw, Hex HD 1/2 - 20 x 1 - 1.4	1	152122
3	Washer, 1/2 Split Lock	4	153524
4	Screw, Hex HD 1/4 - 20 x 3/8	3	153526
5	Screw, Hex HD 1/2 - 13 x 2	4	153533
6	Bearing, 1.0 ID Pillow Block	2	157924
7	Guard, Shaft 5000D	1	160398
8	Shaft, Blade, Heavy Duty	1	161137
9	Flange, Outer, Masonry, 4"	1	161304
10	Flange, Inner Masonry, 4"	1	161305



Item	Description	Qty	Part #
	<b>Jackshaft Assembly</b>	-	<b>166045</b>
1	Screw, Hex HD 5/16 - 18 x 2 - 1/2	4	101675
2	Washer, 5/16 Split Lock	4	151747
3	Washer, 5/16 Sae Flat	4	151754
4	Bearing, Arbor Housing	2	154594
5	Casting, 2000/5000 Arbor - Comp	1	154637
6	Shaft, Jack	1	156117



**ACCESSORIES**

Item	Number	Description	
1.	157957	BX-10 14" Premium Grade Diamond Blades for Dry Cutting of Hard Brick	
2.	157944	BX-30 14" Premium Grade Diamond Blades for Dry Cutting of Hard Brick	
3.	128678	MK-30 20" Supreme Grade Blades for Brick & Block	
4.	132332	Adjustable Cutting Guide	
5.	156427	Protective Wooden Strip	
6.	152792	Dressing Stick	
7.	153439	Rubber Drain Plug	

**ORDERING INFORMATION**

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You may order MK Diamond products through your local MK Diamond distributor or, you may order direct from MK Diamond.

When ordering direct from MK Diamond, please have the following information ready before calling:

- The Model Number of the saw
- The Serial Number of the saw
- Where the saw was purchased and when
- The Part Number for the part(s) being ordered
- The Part Description for the part(s) being ordered

**NOTE:** There is a \$25.00 minimum order when ordering direct from MK Diamond. A \$6.00 charge will be added to orders having a net billing value under \$50.00. All purchases must be made using VISA, MasterCard or American Express.

All parts may be ordered by calling toll free to – 800 421-5830 or 310 539-5221 and asking for Customer Service. For technical questions, call – 800 474-5594.

**RETURN MATERIALS POLICY**

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To expedite the service relative to the return of a product purchased through MK Diamond, please observe the following:

**NOTE:** When returning all items, they must have been purchased within the previous twelve (12) months.

- Have the Model Number of the saw
- Have the Serial Number of the saw
- Have the location of where the saw was purchased
- Have the date when the saw was purchased
- Contact Customer Service for approval to return the item(s)
- Obtain a Returned Goods Number (RGA) authorizing the return
- Follow the packaging instructions in the following section
- Ensure your item(s) are prepaid to the destination

For returned items, call toll free to – 800 421-5830 or 310 539-5221 and ask for Customer Service. For technical questions, call – 800 474-5594 or 310 257-2845.

**PACKAGING INSTRUCTIONS**

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- Remove the Cutting Head and Support Angle Assembly
- Dry the saw before shipping
- When packing, include the following: Saw, Diamond Blade, Blade Guard and Support Angle Assembly and Adjustable Cutting Guide (Other Accessories are not required)
- Package the unit in its original container or one of comparable size (do not ship the unit partially exposed)
- Ensure all parts are secured in the packaging to prevent moving

**AUTHORIZED SERVICE CENTERS**

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For quicker repair time, you may contact MK Diamond Customer Service, toll free, at 800 421-5830 or 310 539-5221 for the Authorized Service Center closest to you or visit our web site at [www.mkdiamond.com](http://www.mkdiamond.com). For technical questions, call – 800 474-5594.

**CONTACT:**

Please contact MK Diamond Products, Inc. Customer Service Department with any questions you might have regarding distributors, parts or service.

Telephone: **(800) 421-5830**

Fax: **(310) 539-5158**

E-mail: **Customer\_Service@MKDiamond.com**

Customer Service Hours: **Monday through Friday, 6AM-4PM PST**

**MK Diamond Products, Inc.  
1315 Storm Parkway  
Torrance, CA 90501**

**MK DIAMOND PRODUCTS, INC. LIMITED WARRANTY**

MK DIAMOND PRODUCTS, INC. will guarantee every machine they build, to be free from defects in material and workmanship for (1) one year from date of purchase. The obligation of MK DIAMOND PRODUCTS, INC. under this warranty is limited to the repair or replacement of any parts which, under normal use, prove to be defective in material or workmanship. The parts involved or the unit in question should be returned to MK DIAMOND PRODUCTS, INC. or to a point designated by us, transportation prepaid.

This warranty does not obligate us to bear the cost of labor or transportation charges in connection with replacement or repair of defective parts. Likewise, it shall NOT apply to any unit which has been subjected to misuse, neglect or accident. This warranty does NOT apply to any machine which has been repaired or altered outside our factory.

This warranty does NOT obligate MK DIAMOND PRODUCTS, INC., with respect to items not of our manufacture, such as engines, motors, hydraulics, etc., which are subject to their own guarantees and warranties.

We shall in no event be liable for consequential damages or contingent liabilities arising out of failure of any equipment or parts to operate properly.

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MK Diamond may have patents, patent applications, trade marks, copyrights of other intellectual property right covering this product in this document.

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.

**MK-5000G Block Saw**  
**OWNER'S MANUAL & OPERATING INSTRUCTIONS**



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