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SRX-150 EARLY ENTRY CONCRETE SAW OWNER'S MANUAL, OPERATING INSTRUCTIONS & PARTS LIST



Part # 172023-H

Revision 101	11.2016
Manual Part# 172023-OM	

Caution: Read all safety and operating instructions before using this equipment. This owner's manual **MUST** accompany the equipment at all times.

INTRODUCTION

Congratulations on your purchase of a the SRX-150 Early Entry Concrete 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 SRX-150 Early Entry Concrete 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 SRX-150 Early Entry Concrete Saw safely and correctly. Please take the time to familiarize yourself with the SRX-150 Early Entry Concrete Saw by reading and reviewing this manual.

Read and follow all safety, operating and maintenance instructions.

If you should have questions concerning your SRX-150 Early Entry Concrete Saw, please feel free to call our friendly customer service department at: 800 421-5830

Regards,

MK Diamond

NOTE THIS INFORMATION FOR FUTURE USE:

MODEL NUMBER:	
SERIAL NUMBER:	
PURCHASE PLACE:	
PURCHASE DATE:	

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.

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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 Manual has been developed to provide complete instructions for the safe and efficient operation of the Early Entry Concrete Saw.

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

Descriptions, illustrations, and photos are as accurate as possible at the time of publication. Photos may include optional equipment or accessories and may not show all models covered by this manual.

SAFETY MESSAGE / ALERT SYMBOLS

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

SAFETY PRECAUTIONS

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

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.

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. Never operate the machine in an explosive atmosphere.

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.

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, etc...

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.

CALIFORNIA PROPOSITION 65 MESSAGE

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/consilic.html>

<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.

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.

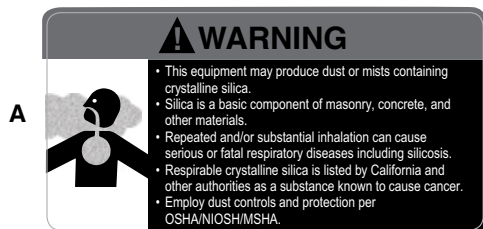
- **NEVER** disconnect any “emergency or safety devices”. These devices are intended for operator safety. Disconnection of these devices can cause severe injury, bodily harm or even death! Disconnection of any of these devices will void all warranties.
- Unauthorized equipment modifications will void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

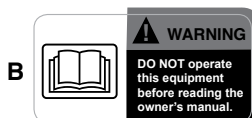
DO NOT use woodcutting, or carbide blades on this machine! Use **ONLY** Diamond blades on machine.

OPERATION & SAFETY DECALS

The SRX-150 Early Entry Concrete 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.



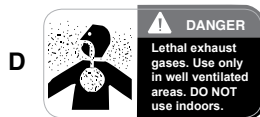
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Part # 154398



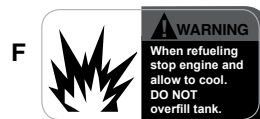
Part # 155587 (2)



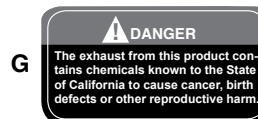
Part # 155582



Part # 155038



Part # 155580



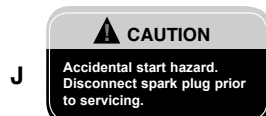
Part # 155581



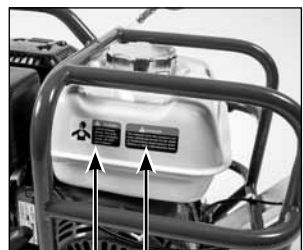
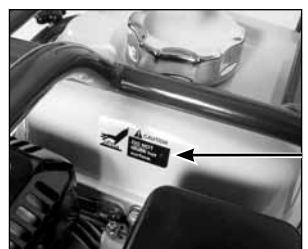
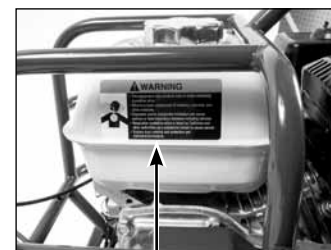
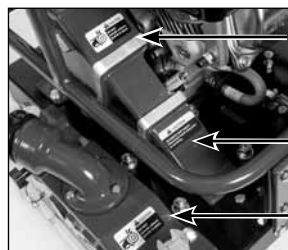
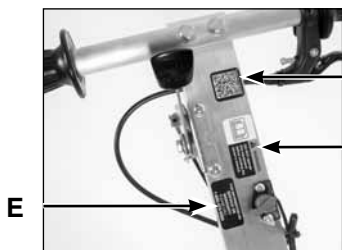
Part # 155578



Part # 170480



Part # 155579



Location

Description

A	Gas Tank/Side	Proposition 65, Dust Warning
B	Handle	Read Manual
C	Blade/Belt Guard	Guards in Place
D	Gas Tank/Side	Lethal Exhaust
E	Handle	Service/Warranty
F	Gas Tank /Side	Refueling
G	Gas Tank/Side	Exhaust/Cancer
H	Gas Tank/Side	Hot Surface
I	Handle	QR Code for Manual
J	Belt Guard	Accidental Start

PRODUCT SPECIFICATIONS

The SRX-150 is a versatile gas powered Early Entry Concrete Saw. Operated and used according to this manual, the SRX-150 will provide years of dependable service.

General Description

The SRX-150 is engineered as a portable concrete saw powered by a Honda gas engine. The saw is capable of 1-1/8" depth of cut with an 6-3/8" blade.

Motor and Weight Specifications

Motor and Weight specifications for the SRX-150 are listed below.

Engine	Honda GX160 Cyclone
Blade Capacity	6-3/8" (162mm)
Depth of Cut	1-1/8" (29mm)
Arbor	Triangular
LxWxH (in)	32" x 19" x 42"
LxWxH (mm)	813 x 483 x 1067
Weight	88 lbs. (39.9 kg)
Part#	172023-H

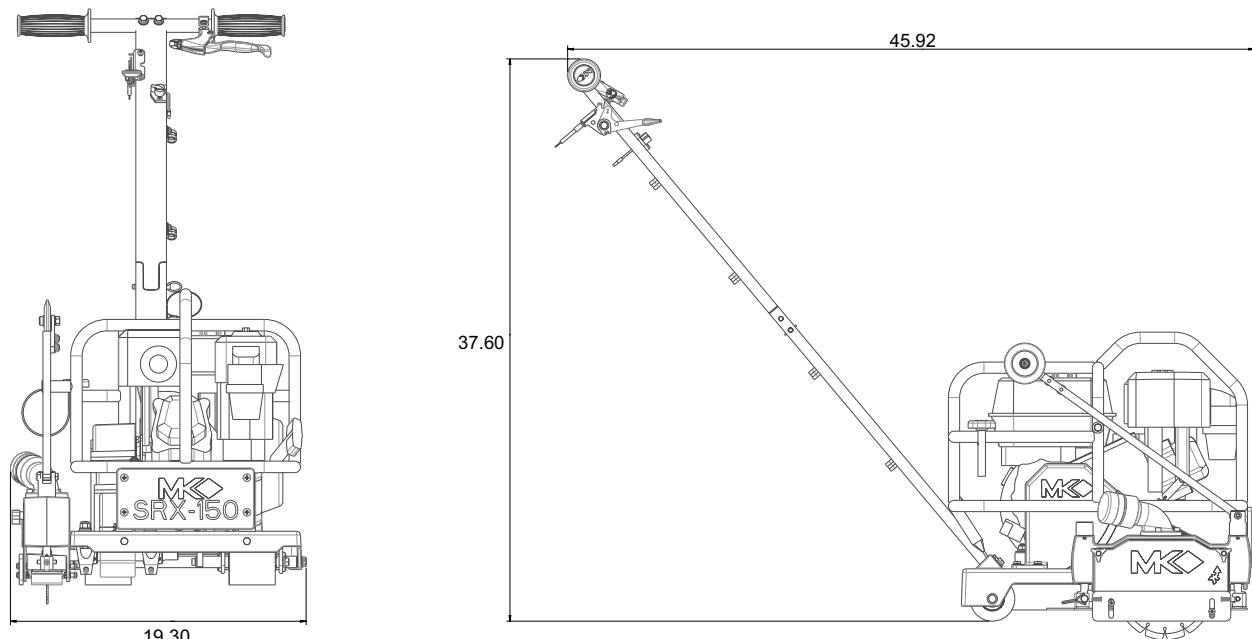
Blade

The SRX-150 uses an 6-3/8 inch diameter diamond blade.

Concrete Saw Usage

The SRX-150 is designed to cut control joints in green concrete within one to two hours of concrete finishing.

SRX-150 Dimensions



UNPACKING

Your saw has been shipped from the factory thoroughly inspected. Only minimal assembly and service is required. Check each item, making certain all items are accounted for and in good visual condition before discarding any packing materials. If there are any missing or damaged parts call MK Diamond Customer Service at 800-421-5830.



WARNING Never start engine until all initial servicing and set up steps are completed according to this operations manual and engine manual. Read and familiarize yourself with all controls and features of the saw before beginning operations.

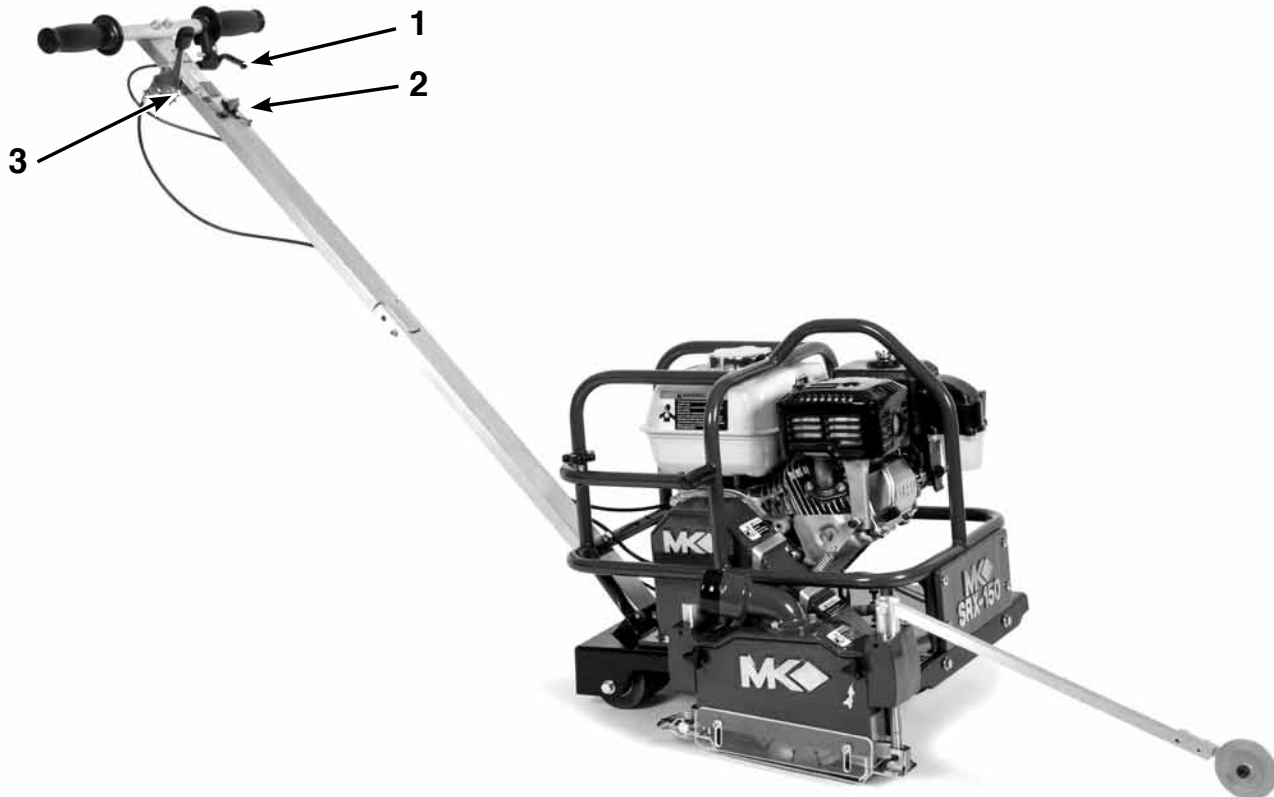
CONTENTS

In the containers, you will find one (1) Early Entry Concrete Saw, one (1) Skid Plate, one (1) Early Entry Concrete Saw Owner's Manual, one (1) Engine Owners Manual and one (1) Warranty Card.

				
Early Entry Concrete Saw	Skid Plate	Early Entry Concrete Saw Owner's Manual	Engine Manual	Warranty Card

TRANSPORT**CAUTION**

1. The Early Entry Concrete Saw weighs approximately eighty-eight (88 pounds), use care when transporting.
2. Two people are required to lift and transport the Early Entry Concrete Saw.



1. Raise lock release lever.
2. ON/OFF switch.
3. Throttle control.

Filling Oil Reservoir

NOTE: The engine is shipped with no oil in the crankcase. Refer to the engine manual for details on the type and amount of oil required.

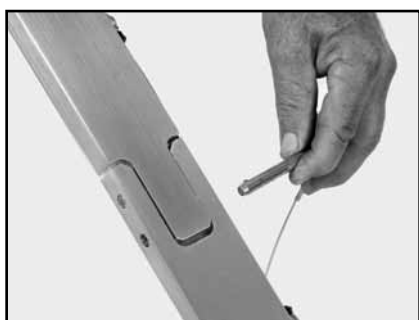
To fill the crankcase with oil, place the engine level. In order for this to be accomplished the blade must not be installed, and the depth adjustment must be down (until the engine is level).



(A)

Verify the Oil Drain Cap is installed onto the Oil Drain Line and is tight. Refer to Engine Manual for details.

Handlebar Assembly



(A)

Locate the holes on both sides of the handlebar.



(B)

Align the handlebar with the holes on both sides of the frame and put in the pin.

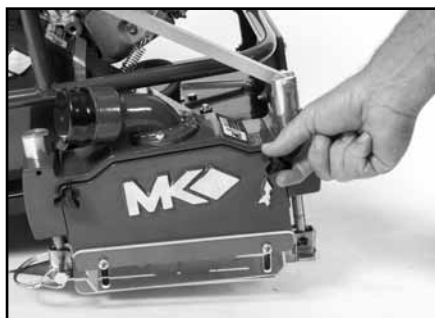


(C)

Install the pin until it is secure.

Diamond Blade Installation

- NOTE:**
1. When installing the blade retaining-bolt, ensure the threads of the bolt are aligned with the threads of the drive shaft so as not to “cross-thread” the bolt.
 2. When installing the blade ensure that the blade shaft and flanges are free from dirt and all foreign material before mounting blade on the blade shaft. Tightening a blade against an uneven surface can cause fracture or cause the blade to run out of alignment.
 3. Blade shaft threads are left-handed.



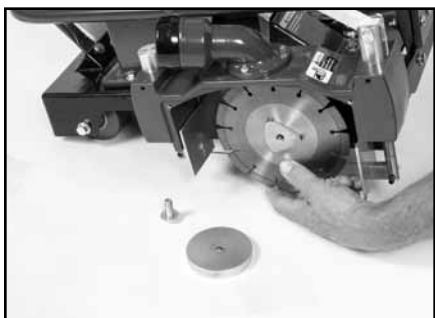
(A)
Loosen the Blade Guard Nut.
Remove the Blade Guard
Cover.



(B)
Loosen the Blade Shaft Nut while
holding the Shaft Wrench steady.



(C)
Remove the Blade Nut and
Outer Flange.



(D)
Install the Diamond Blade onto
the Blade Shaft. Ensure direc-
tional arrow on the blade indi-
cates proper rotational direction.



(E)
Install the Outer Flange and Blade
Shaft Nut. Tighten Blade Shaft Nut
holding the Blade Shaft steady.



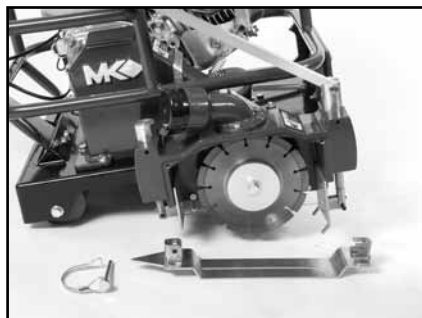
(F)
Replace the Blade Guard and
tighten Blade Guard Nut.



WARNING Do not operate the saw without the proper Blade Guard covering. Ensure that the blade exposure does not exceed 180 degrees during operation.

NOTICE The blade turns counterclockwise when facing the blade shaft. Ensure directional arrow on the blade indicates proper rotational direction. Incorrect rotation will reduce blade life.

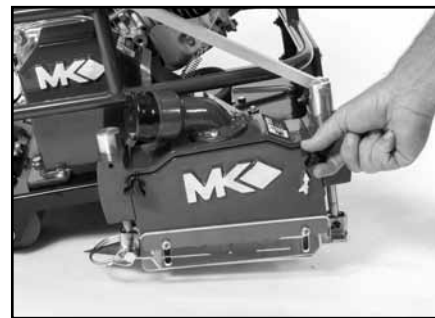
Skid Plate Installation



(A)
Hook front of Skid Plate over pin
on front plunger.



(B)
Insert pin through Skid Plate
and rear plunger.



(F)
Replace the Blade Guard and
tighten Blade Guard Nut.

Filling Fuel Tank



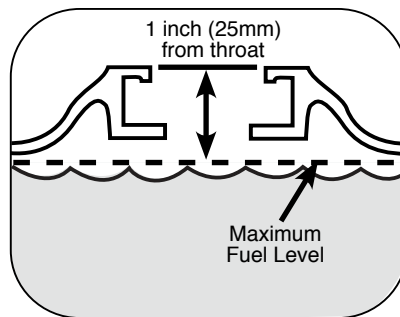
- WARNING**
1. Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel.
 2. To fuel, stop engine if running, and allow it to cool.
 3. Refuel in a well-ventilated area.
 4. Keep gasoline away from appliance pilot lights, barbeques, electric appliances, power tools, etc.
 5. Wipe up spills immediately. Do not start engine until spill is dry.

- 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.



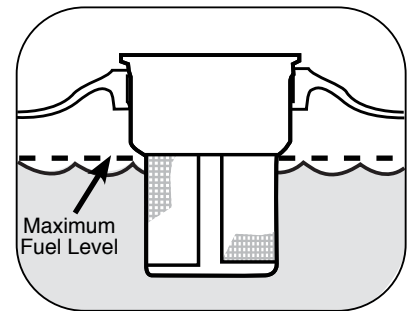
(A)

Remove the Fuel Cap. Refer to Engine Manual for details.



(B)

Ensure fuel level is 1" below the throat of the Fuel Tank.

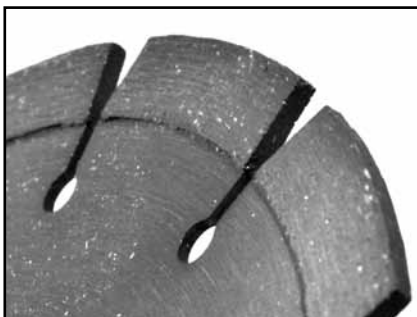


(C)

Ensure fuel level is below the top of the strainer filter.

Pre-Start Inspection

The pre-start inspection should be performed before beginning any job. If Diamond Blade is worn, replace the blade before starting work.



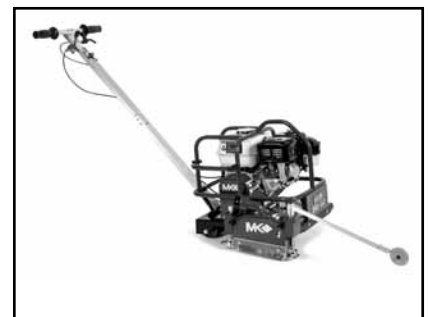
(A)

Inspect Blade for damage or cracks. Verify the Blade is a dry cutting blade and correct for the material being cut.



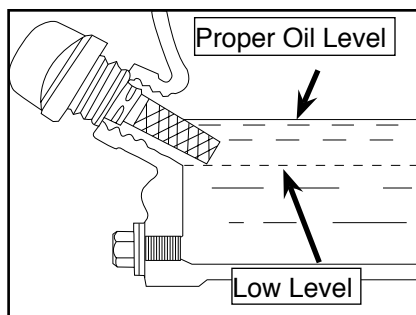
(B)

Inspect Engine for leaks.



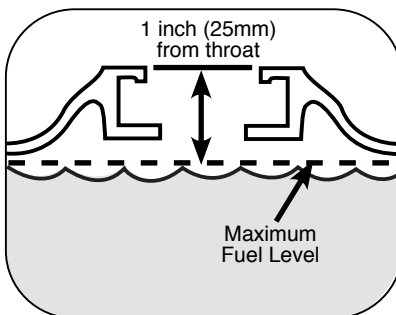
(C)

Inspect the saw for general damage and/or loose hardware.



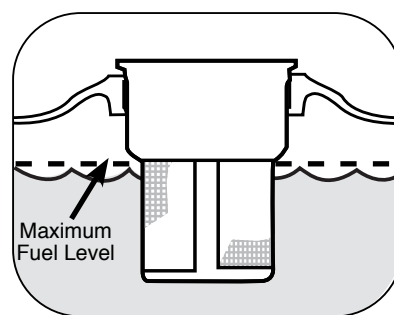
(D)

Check for proper oil level. Refer to Engine Manual for details.



(E)

Ensure fuel level is 1" below the throat of the Fuel Tank.



(F)

Ensure fuel level is below the top of the strainer filter.



(G)

Check the Air Filter for cleanliness. Refer to Engine Manual for details.

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.

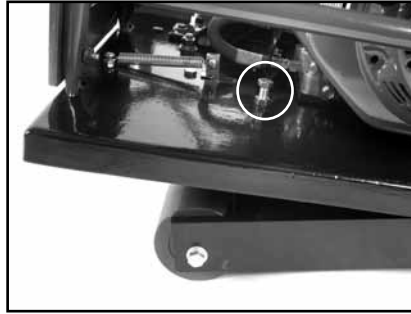
Adjusting Depth of Cut

The common depth of cut for control joint cutting is 1". The SRX-150 is factory set to a depth of 1".



(A)

Raise the Raise/Release Lever.



(B)

Adjust the Truck Stop screw to increase or decrease the depth of cut.

NOTICE As the blade wears adjustments may be required.

Dust Collection Systems

The SRX-150 has a 2" port for connection with a dust collection system. The vacuum system required must have a CFM of 129 and a HEPA filter guaranteed 99.99% efficient at .3 micron. We carry the Ermator line of dust collections systems and recommend the Ermator S13 HEPA Dust Extractor or Ermator S26 HEPA Dust Extractor. Visit mkdiamond.com for more information.

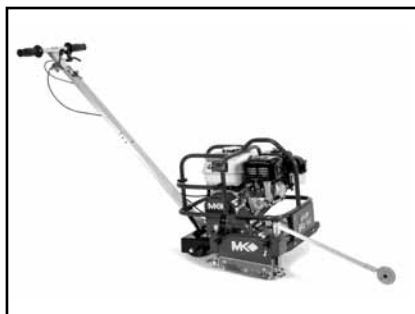
Standard Operation

The Early Entry Concrete Saw is intended for industrial applications and operated by experienced professionals. The operator must be aware of the machine's capabilities and limitations. It is the operators responsibility to use this machine under safe working conditions and conform with federal, state and local codes or regulations pertaining to safety, air, pollution, noise etc...



CAUTION

Prior to operation of this machine the operator must determine the existence and location of any subsurface features that may be hazardous or could damage the equipment, (i.e. electric cable, natural gas line etc...)



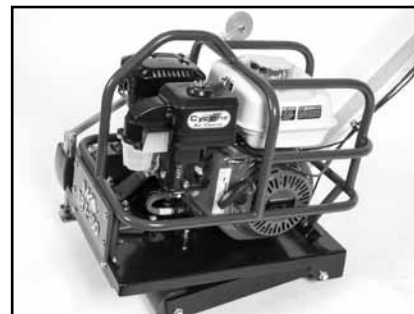
(A)

Use the Raise Lock/Release Lever to raise the blade clear of the floor.



(B)

Attach the dust collection system to the vacuum port.



(C)

Start the Saw using the Engine Start procedure in the engine manual.

NOTE:

1. Ensure the blade you are using is clearly marked for dry cutting.
2. Check the condition of the air filter at least every four hours of operation. Refer to Engine Manual for details.



(D)

Align the pointer and blade with the cut line and slowly lower the blade by squeezing the Raise Lock Release Lever. Cut with engine at full throttle.



(E)

When the cut is complete, raise the blade completely out of the cut by pushing down on the handlebars until the Raise Lock engages.

Sawing Working Techniques

As concrete dries or cures or begins to set. The process cracks internal stresses which may cause random cracks. Contraction joints are cut in concrete in order to relieve stresses in the concrete. The SRX-150 controls random cracking through the early timing of a saw cut at predetermined locations to create weakened planes in the concrete that subsequently crack at the bottom of the cut to relieve stress. Contraction joints should be a minimum of 1/8th the concrete depth and a minimum of 1" (25mm) deep. Contraction joint cutting should be done as soon as the concrete will support the weight of the saw and the operator without marking or damaging the concrete.

Several factors affect joint spacing including:

- Concrete thickness
- Type, amount and location of reinforcement
- Shrinkage potential of concrete-cement (type, quantity), aggregate (size, quantity, quality), water to cement ratio, admixtures, concrete temperature.
- Base friction
- Slab restraints
- Layout of foundations, racks, pits, equipment pad, trenches, etc.
- Environmental factors – temperature, wind, humidity
- Methods and quality of concrete curing

Generally, contraction joint patterns should divide slabs into approximate square panels per the recommended spacing shown.

Recommended contraction joint spacing

Concrete thickness, in (mm)	Maximum spacing, ft. (m)
3.5 in (90mm)	8ft. (2,4m)
4, 4.5in (100, 114mm)	10ft. (3,0m)
5, 5.5in (125, 140)	12ft. (3,6m)
6in or greater (150mm)	15ft. (4,5m)

The timing of concrete operations – especially finishing and jointing – is critical. Failure to address this issue can contribute to undesirable characteristics in the wearing surface as cracking..” (Extract from the foreword of the American Concrete Institute (ACI) 302.1 R-96.)

Sawing Working Techniques

The ACI Spec 302.1R-96.

'Early-entry dry-cut saws use diamond blades and a skid plate helps prevent spalling. Timely changing of skid plates is necessary to effectively control spalling. It is best to change skid plates in accordance with manufacturer's recommendations. The goal of saw-cutting is to create a weakened plane as soon as the joint can be cut. The timing of the early-entry process allows joints to be in place prior to development of significant tensile stress in the concrete.

The Portland Cement Association (PCA) engineering bulletin, Concrete Floors on the ground, also states:

Proper jointing can eliminate unsightly random cracks. Aspects of joining that lead to a good job are choosing the correct type of joint for each location, establishing a good joint pattern and layout, and installing the joint at the correct time. Timing of joint sawing is critical. Lightweight, high-speed, early-cut saws have been developed to permit the joint sawing very soon after floorfinishing, sometimes within 0 to 2 hours of finishing, so that random cracking can be controlled.

If the joints are not being cut within this time frame then the Early Entry method is not being followed.

Emergency Engine Shutdown



(A)

Place Engine Master Switch in the OFF position.

Cleanup

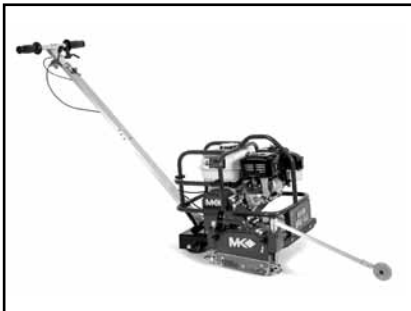


CAUTION

Engine parts are extremely hot following use, allow engine to cool 1/2-hour before cleaning. Use care during cleanup to avoid injury.

NOTE:

1. To extend operating life, the Early Entry Concrete Saw should be cleaned following every use.
2. Using a garden hose or pressure washer is not advised as it can force water into the air cleaner or muffler opening.
3. Use care when cleaning around electrical components.



(A)

Verify the engine is off and cool before beginning to clean. Clean the saw with soap and water.

MAINTENANCE SAFETY

- Always turn the master engine switch to the off position.
- **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.

New Maintenance

Perform the following after initial purchase and operation of the saw.



(A)

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

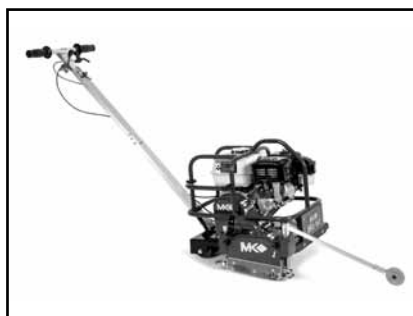
Maintenance Following Use

The following maintenance should be performed following each use.



(A)

Shut down the Engine. Let saw cool before proceeding. Check Air Filter (See Engine Manual).



(B)

Verify the tightness of all bolts and screws. Clean the saw (except the engine) with soap and water.

Weekly (50 hours) and Monthly (200 hours)

The following should be performed monthly. Items should be lubricated using waterproof grease.



(A)

Change engine oil every 100 hours. Refer to Engine Manual for details.



(C)

Lubricate the Blade Shaft Bearings (Monthly).



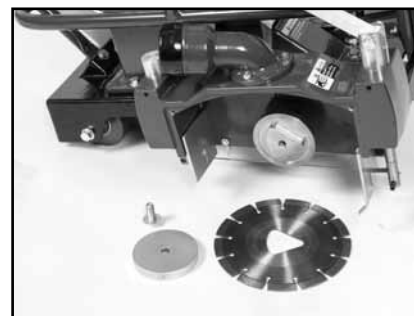
(D)

Clean engine Air Filter weekly and replace monthly. Refer to Engine Manual for details.



(E)

Clean Spark Plug Weekly and readjust Spark Plug monthly. Refer to Engine Manual for details.



(F)

Clean and lubricate the Blade Shaft.

NOTE: Definitive information on engine maintenance is contained in the engine manual provided separately. Perform all maintenance procedures as recommended by the engine manual.

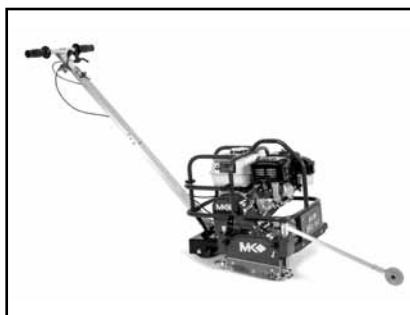
500 Hours and 1000 Hour Maintenance

Perform the following maintenance every 500 hours.



(A)

Replace Spark Plug. Refer to Engine Manual for details.



(B)

Have Authorized Repair Shop perform 500-hour maintenance.



(C)

Have Authorized Repair Shop perform 1000-hour maintenance.

Check Fuel Level

For all Engine related maintenance and troubleshooting refer to the Engine Manual.

**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, barbeques, electric appliances, power tools, etc.
5. Wipe up spills immediately.

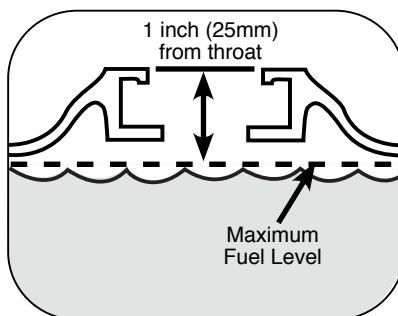
NOTE:

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.



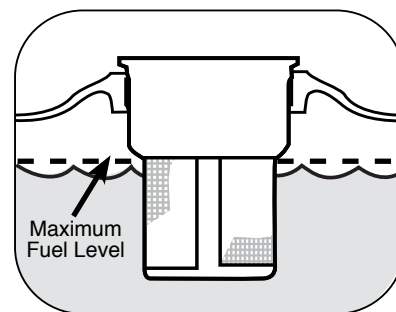
(A)

Remove the Fuel Cap. Refer to Engine Manual for details.



(B)

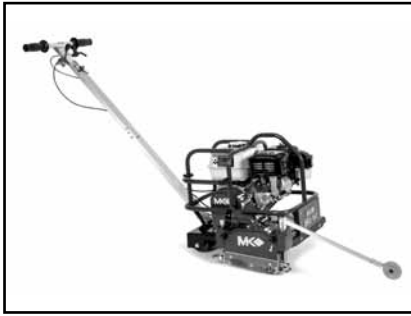
Ensure fuel level is 1" below the throat of the Fuel Tank.



(C)

Ensure fuel level is below the top of the strainer filter.

Checking Oil Level



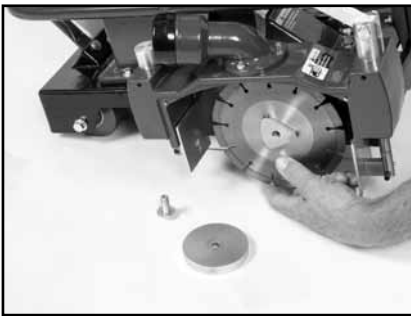
(A)

Verify the Engine is upright and level. Refer to Engine Manual for details.

NOTE: When installing the Oil Dipstick, ensure the threads are aligned with the threads of the Oil Reservoir so as not to “cross-thread.”

Engine Maintenance

Engine maintenance and adjustment is necessary to keep the saw in good operation condition. Maintenance operations include oil changes, filter changes, air cleaner, spark plug, fuel filter etc...Perform all maintenance procedures as recommended by the Honda engine manual provided separately.



(A)

Remove the Diamond Blade. See Blade removal section.



(B)

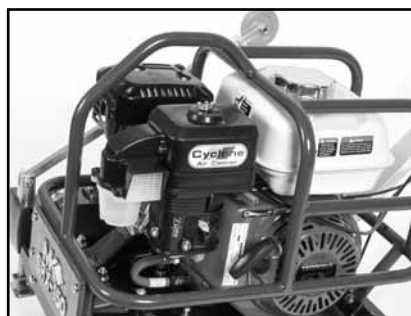
Lower the SRX-150 Saw to its lowest position.



(C)

Free the Oil Drain Line. Place a catch basin below the Oil Drain Line. Remove the Drain Cap to drain oil completely. Refer to Engine Manual for details.

Engine Air Filter Inspection Cleaning and Replacement



(A)

Clean the Air Filter. Refer to Engine Manual for details.

Spark Plug Adjustments and Replacement

For all Engine related maintenance and troubleshooting refer to the Engine Manual.

**CAUTION**

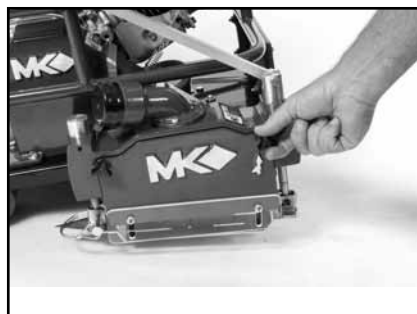
DO NOT work around the engine while hot.



(A)

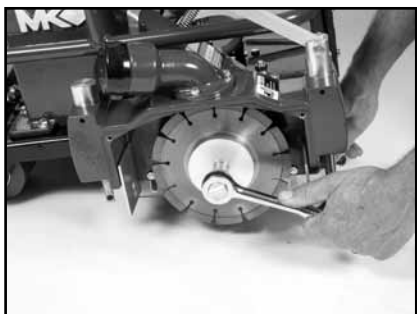
When installing the Spark Plug, ensure the threads are aligned with the threads in the engine so as not to “cross-thread” the plug.

Diamond Blade Removal



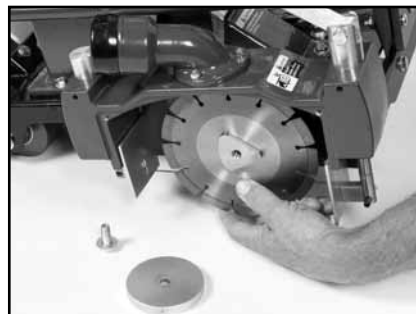
(A)

Remove the Blade Guard Cover.



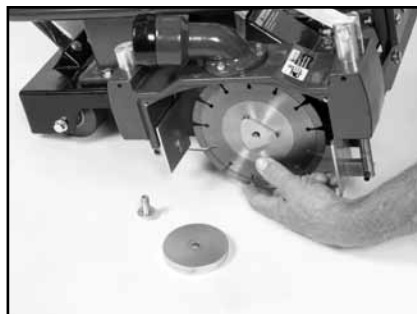
(B)

Remove the Blade Shaft Nut and the Outer Flange.



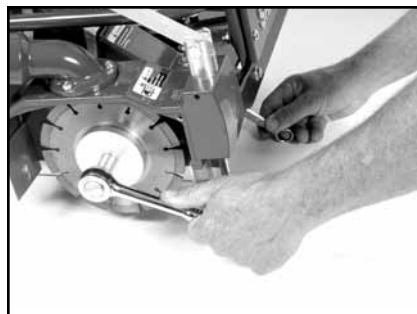
(C)

Remove blade.



(D)

Install the new Blade, Retaining Bolt and Outer Flange.



(E)

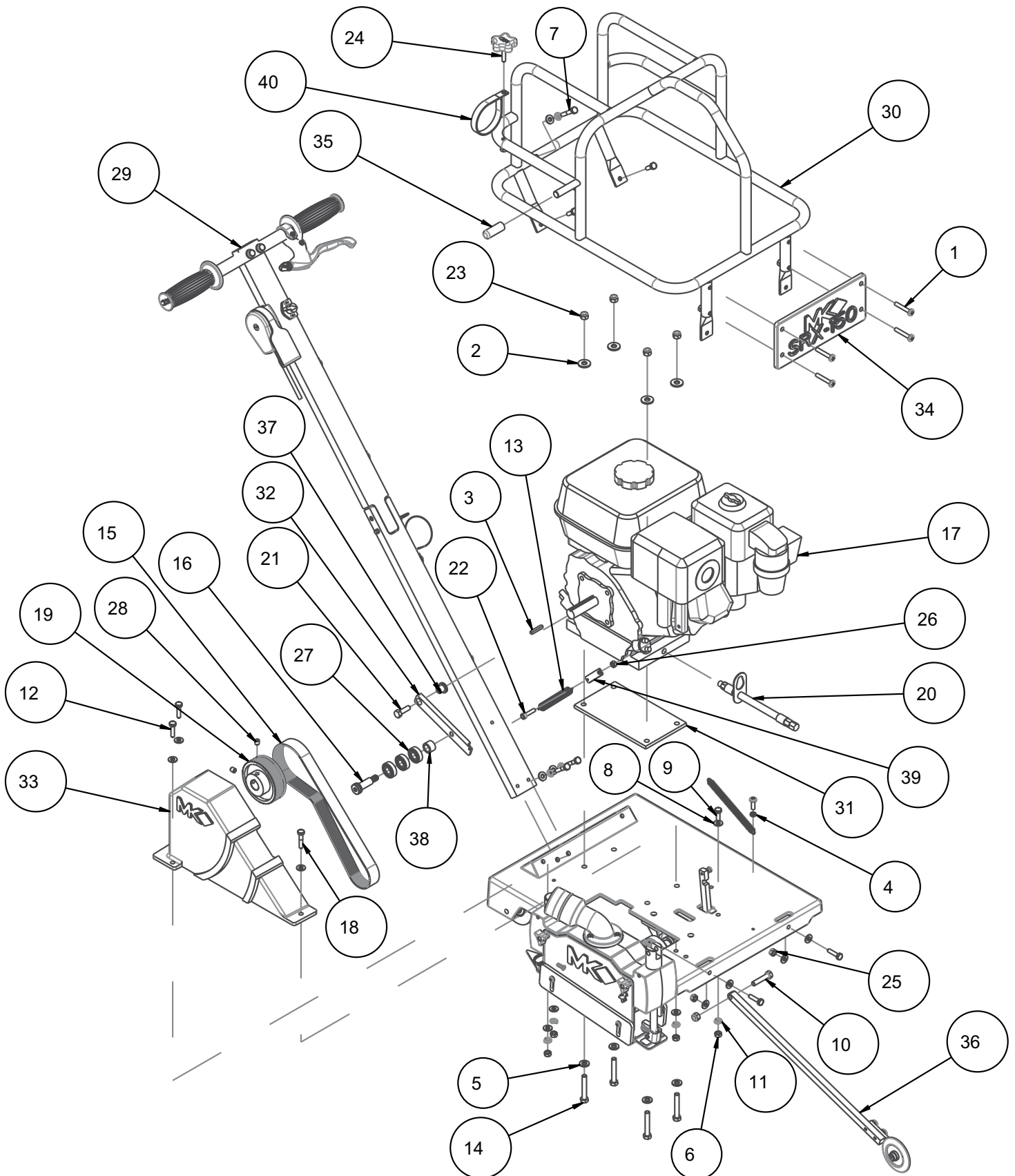
Tighten Blade Retaining Bolt while holding the Blade Shaft steady. Reinstall Blade Guard.

TROUBLESHOOTING

When trouble occurs, be sure to check the simple causes which, at first, may seem too obvious to be considered. Refer to the table below for problems and their possible causes.

ENGINE	Cause	No Fuel	Improper Fuel	Dirt in Fuel Line	Incorrect Oil Level	Dirty Air Filter	Faulty Spark Plugs
	Problem						
	Will not start	X		X	X	X	X
	Hard starting	X	X	X		X	X
	Stops suddenly	X		X	X	X	
	Lacks power		X	X	X	X	X
	Operates erratically		X	X		X	X
	Knocks or pings		X				X
	Skips or misfires			X		X	X
	Back fires			X		X	X
	Overheats			X		X	
	High Fuel Consumption					X	X
OTHER	Cause	Improper Blade for the Application		Improper Belt Tension		Damage Caused by External Objects	
	Problem						
	Reduced blade life	X		X			
	Excessive belt wear			X		X	

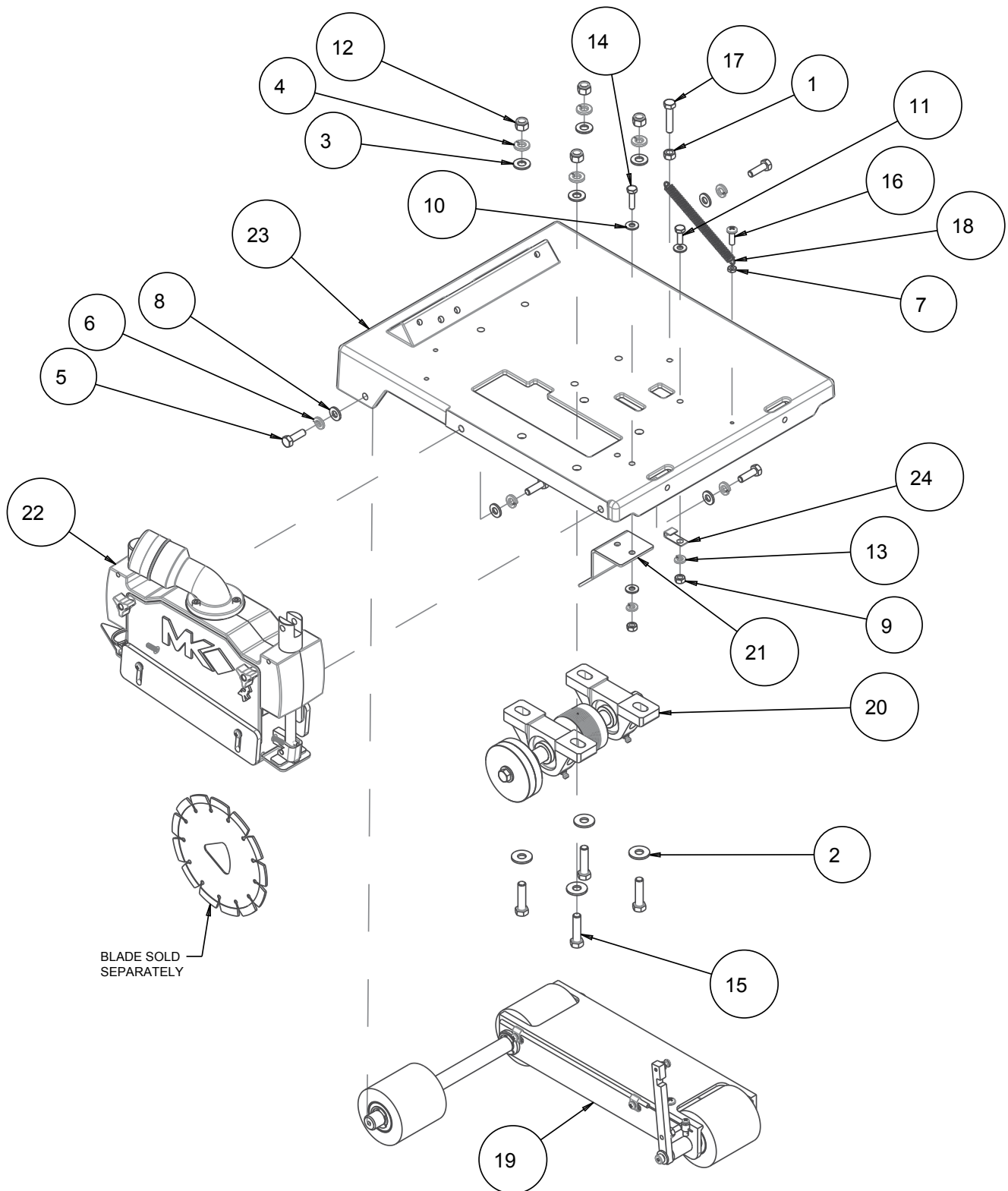
SRX-150, GX160 HONDA P/N 172023-H



SRX-150, GX160 HONDA P/N 172023-H

ITEM NO.	DESCRIPTION	PART #	QTY.
1	SCREW, RND HD, 1/4-20 X 1-1/2	100792	4
2	WASHER, 5/16 FLAT CUT	101352	4
3	KEY, 3/16 SQ X 1-1/8	150344	1
4	NUT, HEX, 10-24	151749	1
5	WASHER, FLAT, SAE, 5/16	151754	4
6	NUT, HEX, 1/4-20	151893	4
7	SCREW, HEX HEAD 1/4-20 X 1-1/2"	151914	1
8	WASHER, FLAT, SAE, 1/4	151915	14
9	SCREW, HEX HD, 1/4-20X3/4	152370	3
10	SCREW, 5/16-18 X 1-1/2 HEX HEAD MACHINE	152467	1
11	WASHER, LOCK, SPLIT, 1/4	152591	7
12	SCREW, HEX HD, TAP, 1/4-20 X 1	152676	4
13	SPRING, 9/16 X 2.5 EXTENSION	153807	1
14	SCREW, 5/16-18 X 2 HEX HEAD	155494	4
15	BELT, 10J280	156111	1
16	SCREW, SHOULDER, 1/2X1-1/4	156176	1
17	ENGINE, HONDA GX160 W/CYC	156282	1
18	SCREW, HEX HD, 1/4-20 X 1-1/4	157145	3
19	PULLEY, 10J28 X 5/8 BORE	157466	1
20	HOSE, OIL DRAIN, M10	157577-01	1
21	SCREW, HEX HD, TAP, 5/16-24 X 1	157646	1
22	SCREW, SOC HD, CAP, M6X25MM	158268	1
23	NUT, HEX, NYLK, 5/16-18	158289	5
24	KNOB, RUBBER, 1/4-20 X 1-1/4" LONG	159428-2	1
25	NUT, HEX, NYLK, 1/4-20	159857	4
26	NUT, HEX, M6 X 1.0	160209	1
27	BEARING, .500 X 1.125 X .3125 BALL	160477	3
28	SCREW, 5/16-18 X 3/8 SOCKET HEAD SET	165777	2
29	ASSY, HANDLEBAR	172069	1
30	CAGE, ENGINE	172074	1
31	PAD, VIBRATION	172075	1
32	ARM, IDLER	172077	1
33	GUARD, BELT, COMP	172079	1
34	NAMEPLATE, COMP	172099	1
35	BUMPER, POINTER, ARM	172128	1
36	ASSY, POINTER, ARM	172129	1
37	BUSHING, FLANGE, 5/16 X 1/2 X 1/2	172146	1
38	SPACER, 33/64 X 3/4 X 1/2	172147	1
39	LINK, IDLER	172149	1
40	CLAMP, CUSHION LOOP, 2-1/2	172187	1

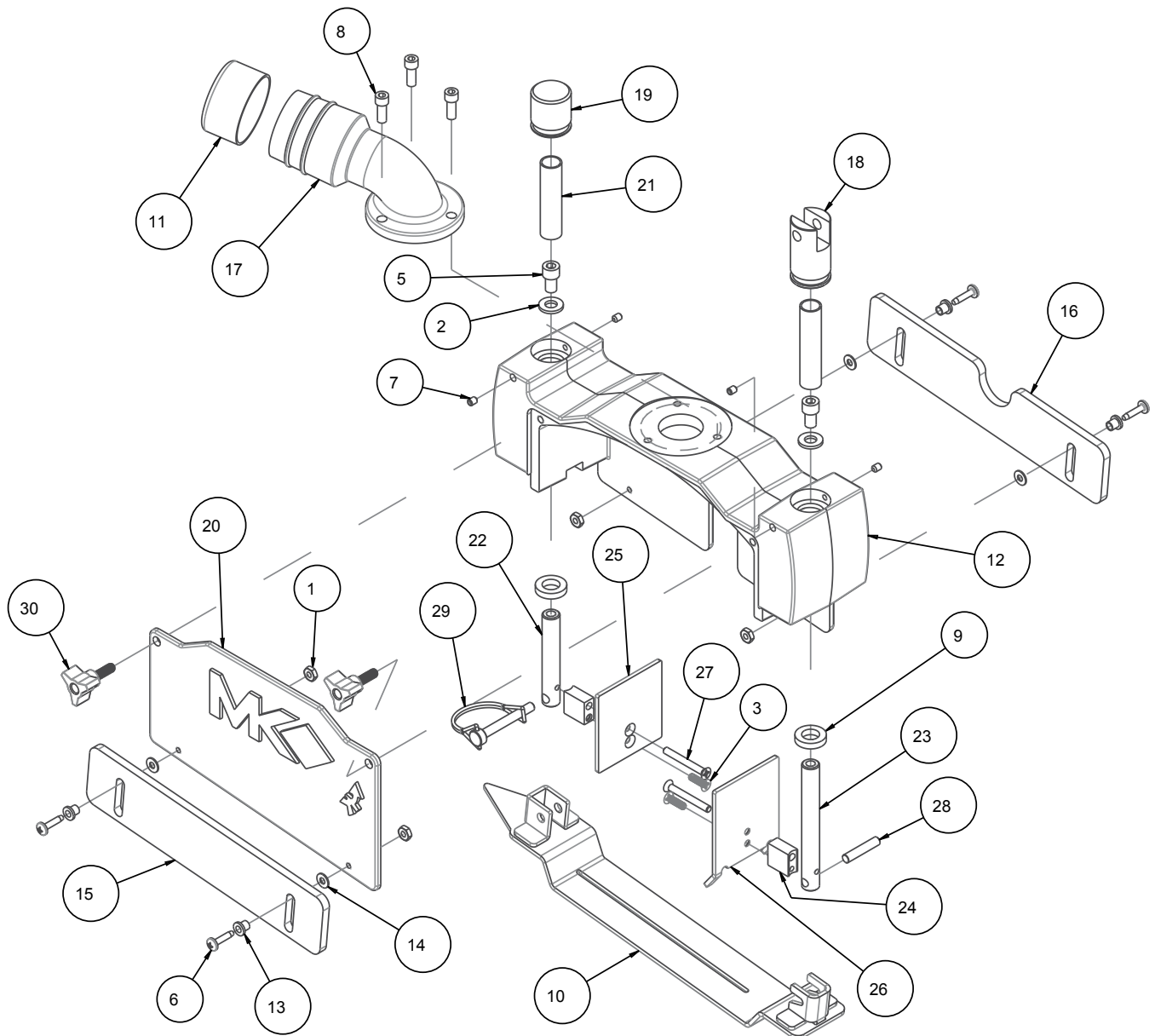
SRX-150, GX160 HONDA P/N 172023-H



SRX-150, GX160 HONDA P/N 172023-H

ITEM NO.	DESCRIPTION	PART #	QTY.
1	NUT, HEX, 5/16-18	101196	1
2	WASHER, FLAT, USS, 3/8	101360	4
3	WASHER, FLAT, SAE, 3/8	150923	4
4	WASHER, LOCK, SPLIT, 3/8	150925	4
5	SCREW, HEX HD, 5/16-18 X 1	151743	4
6	WASHER, LOCK, SPLIT, 5/16	151747	4
7	NUT, HEX, 10-24	151749	1
8	WASHER, FLAT, SAE, 5/16	151754	4
9	NUT, HEX, 1/4-20	151893	2
10	WASHER, FLAT, SAE, 1/4	151915	3
11	SCREW, HEX HD, 1/4-20X 3/4	152370	1
12	NUT, HEX, NYLK, 3/8-16	152505	4
13	WASHER, LOCK, SPLIT, 1/4	152591	2
14	SCREW, HEX HD, TAP, 1/4-20X1	152676	1
15	SCREW, 3/8-16 X 1-1/2 HEX HEAD	153528	4
16	SCREW, PAN HD, 1/4-20 X 3/4	157523	1
17	BOLT, 5/16-18 X 1-1/2 HEX HEAD TAP	162819	1
18	SPRING, EXT, 7/16OD X .048WD X 3.0L	167270	1
19	ASSY, TRUCK	172060	1
20	ASSY, BLADE SHAFT	172066	1
21	PLATE, PROTECTOR, BLADE SHAFT	172076	1
22	ASSY, BLADE GUARD	172080	1
23	FRAME, COMP	172086	1
24	BRACKET, PROTECTOR, FRAME	172166	1

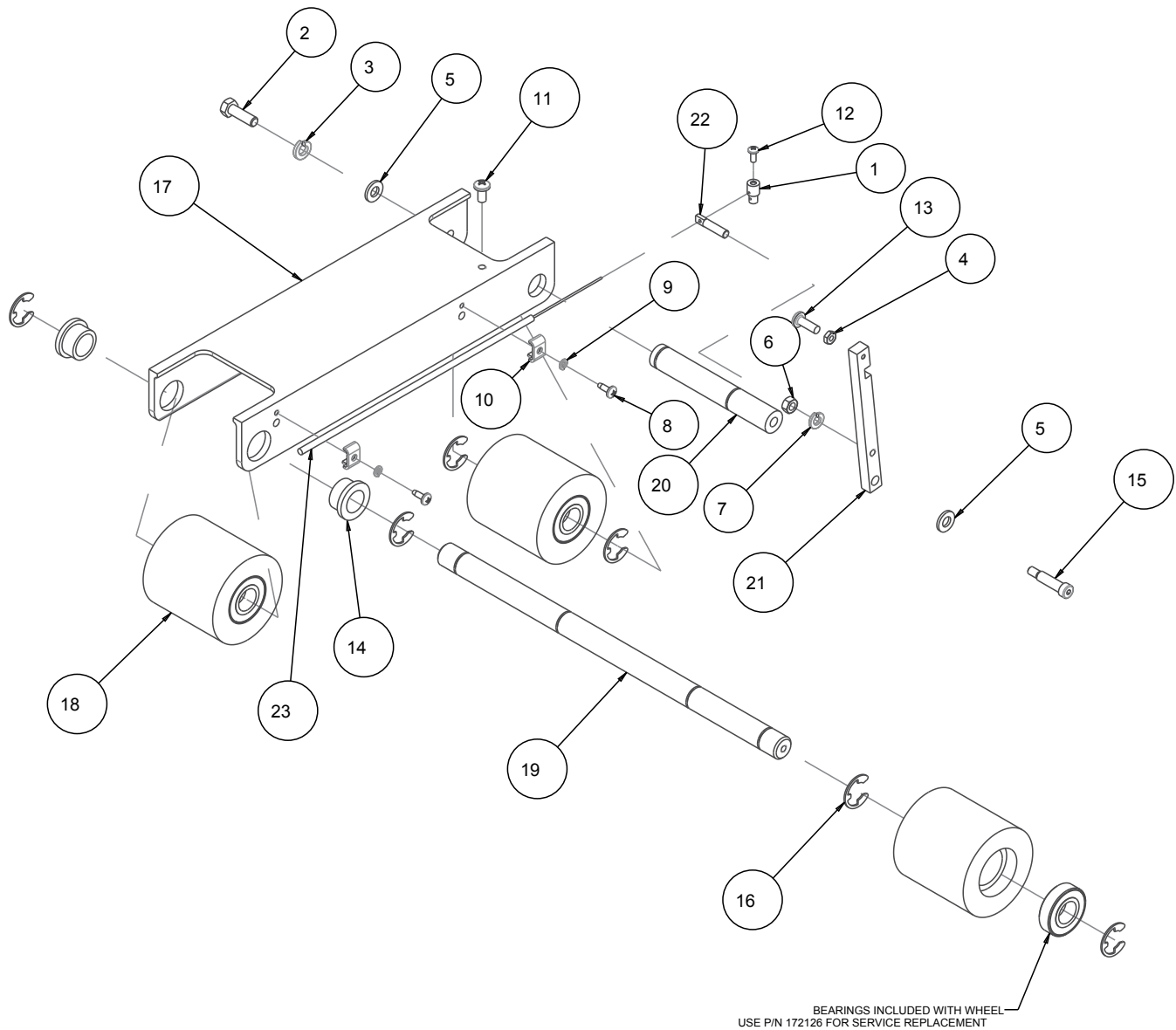
SRX-150, ASSY. BLADE GUARD P/N 172080



SRX-150, ASSY. BLADE GUARD P/N 172080

ITEM NO.	DESCRIPTION	PART #	QTY.
1	NUT, HEX, 10-24	151749	4
2	WASHER, FLAT, SAE, 5/16	151754	2
3	SCREW, FLAT HD 10-24 X 5/8	154295	2
4	LABEL, CAUTION, GUARDS IN PLACE	155587	1
5	SCREW, SOC HD, CAP, 5/16 -18 X 1/2	156139	2
6	SCREW, PAN HD PHIL MS 10-24 X 3/4	155641	4
7	SCREW, SOCKET HEAD SET 10-24 X 1/4	157522	4
8	SCREW, 1/4-20 X 5/8 SOCKET HEAD CAP	161269	3
9	SEAL, OIL, 1/2 X 7/8 X 3/16	161270	2
10	PLATE, SKID, 6-8" BLADE SS	171286	1
11	CAP, 2' TUBING, VINYL	171362	1
12	GUARD, BLADE COMP	172088	1
13	WASHER, FLANGE, PLAS, #10	172093	4
14	WASHER, FLAT, PLAS, #10	172094	4
15	GUARD, LOWER SLIDING, FRONT	172096-1	1
16	GUARD, LOWER, SLIDING, BACK	172096-2	1
17	FITTING, VACUUM, COMP	172101	1
18	CAP, FRONT PLUNGER	172132	1
19	CAP, REAR PLUNGER	172133	1
20	COVER, BLADE GUARD, COMP	172134	1
21	SPRING, GUARD, BLADE	172136	2
22	ROD, PLUNGER, REAR	172138	1
23	ROD, PLUNGER, FRONT	172139	1
24	SPACER, PLUNGER	172140	1
25	PLATE, REAR PLUNGER	172141	1
26	PLATE, FRONT PLUNGER	172142	1
27	SCREW, FLAT HD, #10-24 X 1-1/2	172143	2
28	PIN, DOWEL, STEEL	172144	1
29	PIN, WIRE LOCK, 1/4 X 1-3/8	172145	1
30	KNOB, 3 PRONG, 1/4-20 X 3/4	172183	2

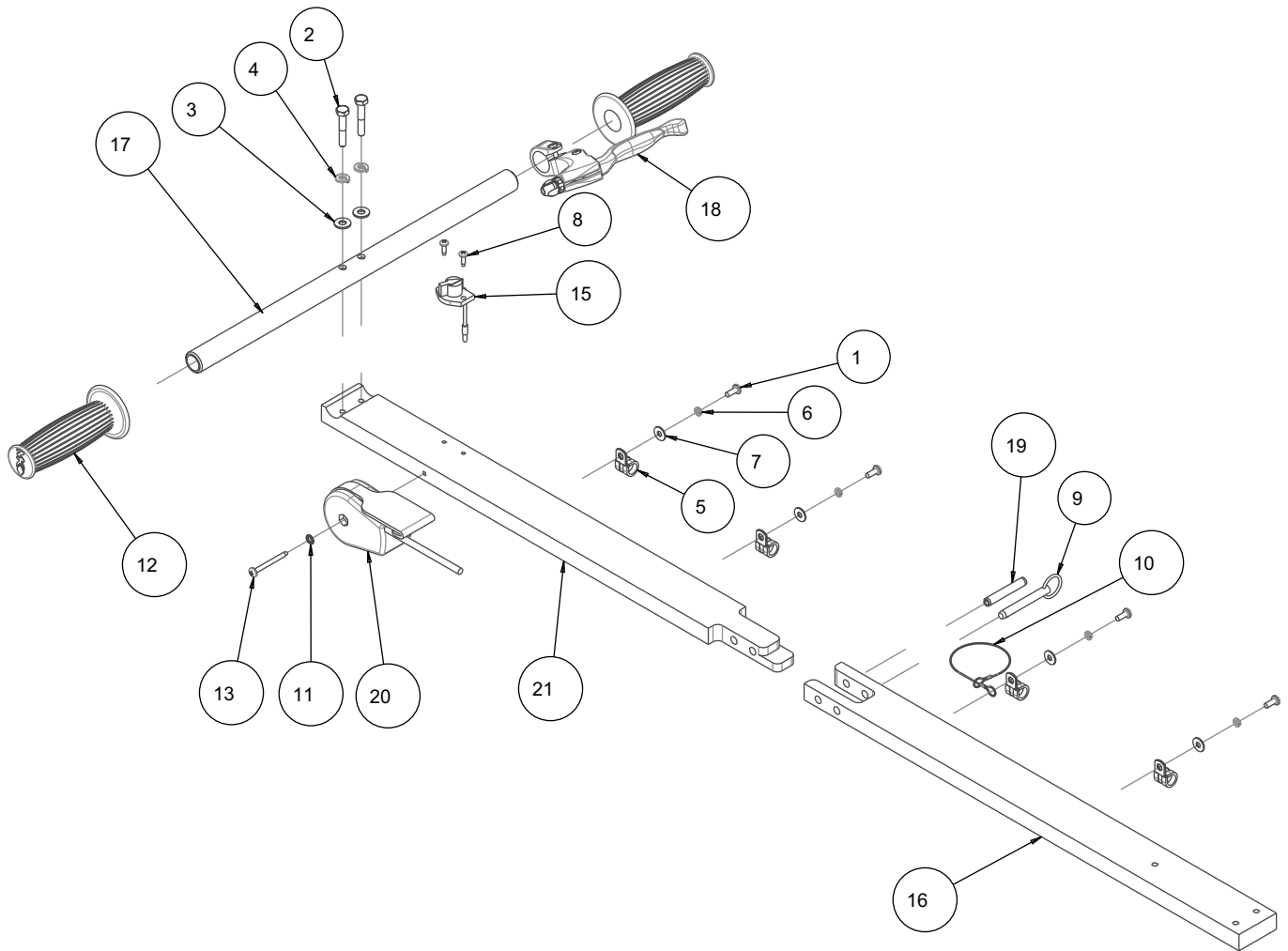
SRX-150, ASSY. TRUCK P/N 172060



SRX-150, ASSY. TRUCK P/N 172060

ITEM NO.	DESCRIPTION	PART #	QTY.
1	PIN, THROTTLE CONTROL	151284	1
2	SCREW, HEX HD, 5/16 - 18 X 1	151743	1
3	WASHER, LOCK, SPLIT, 5/16	151747	1
4	NUT, HEX, 10-24	151749	1
5	WASHER, FLAT, SAE, 5/16	151754	2
6	NUT, HEX, 1/4 -20	151893	1
7	WASHER, LOCK, SPLIT, 1/4	152591	1
8	SCREW, PHILP SELF TAP 10-24 X 5/8"	153681	2
9	WASHER, #10 SPLIT LOCK	153684	2
10	CLAMP, CABLE	154383	2
11	SCREW, PAN HD, CAP, 1/4-20 X 1/2	155452	1
12	SCREW, 8-32 X 3/8 PAN HEAD PHILLIPS	156614	1
13	SCREW, PAN HD, 1/4-20 X 3/4	155453	1
14	BUSHING, 3/4 ID FLANGED	159207	2
15	SCREW, SHOULDER, 5/16 X 1	160045	1
16	RING, .75 E-STYLE RETAINING	161163	6
17	TRUCK	172061	1
18	WHEEL, 3X3, URETHANE	172062	3
19	AXLE, REAR, 3/4"	172063	1
20	AXLE, FRONT, 3/4"	172064	1
21	LEVER, RAISE LOCK	172065	1
22	STUD, ANCHOR, SPRING	172165	1
23	CABLE, LOCK RELEASE, COMP	172167	1

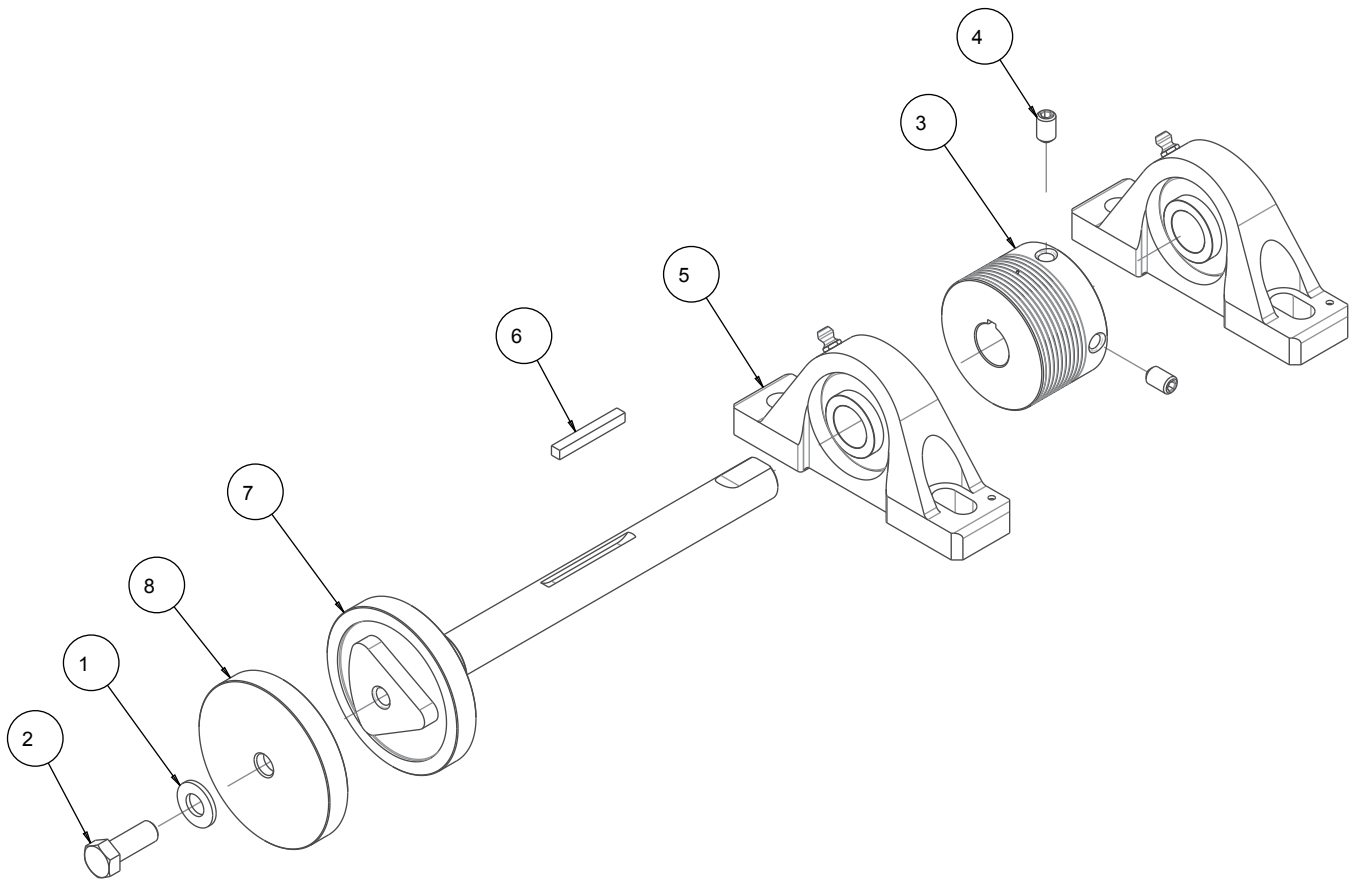
SRX-150, ASSY. HANDLEBAR P/N 172069









SRX-150, ASSY. HANDLEBAR P/N 172069

ITEM NO.	DESCRIPTION	PART #	QTY.
1	SCREW, PAN HD, #10 - 24 X 1/2	151744	4
2	SCREW, HEX HEAD, 1/4 - 20 X 1-1/2"	151914	2
3	WASHER, FLAT, SAE, 1/4	151915	2
4	WASHER, LOCK, SPLIT, 1/4	152591	2
5	CLAMP, CUSHION LOOP 3/8	152592	4
6	WASHER, #10 SPLIT LOCK	153684	4
7	WASHER, FLAT, SAE, #10	154369	4
8	SCREW, PAN HD SELF TAP 8-32 X 1/2	156632	2
9	PIN, DETENT, W/RING PULL	157933	1
10	LANYARD, 3/64 X 8" GALVNZD STEEL	158072	1
11	WASHER, LOCK, IT,#10	158336	1
12	GRIP, HANDLE 7/8 ID	158608	2
13	SCREW, PAN, PHIL, 10-24 X 1-3/4	167274	1
14	WIRE HARNESS, CX3, SUBARU	170555	1
15	SWITCH, ENGINE ON/OFF, SUBARU	170609	1
16	HANDLEBAR, SECTION, LOWER	172071	1
17	HANDLEBAR, CROSSMEMBER	172072	1
18	LEVER, LOCK RELEASE	172073	1
19	PIN, SPRING, 5/16 X 2	172137	1
20	THROTTLE, POS-ACTION, 12-1344	172221	1
21	HANDLEBAR, SECTION, UPPER	172222	1

SRX-150, ASSY. BLADE SHAFT P/N 172066



ITEM NO.	DESCRIPTION	PART #	QTY.
1	WASHER, FLAT, SAE, 3/8	150923	1
2	SCREW, HEX HD CAP, 3/8-16 X 1	152507	1
3	PULLEY, 10J23 X 3/4 BORE	156292	1
4	SCREW, 5/16 -18 X 3/8 SOCKET HEAD SET	157084	2
5	BEARING, PILLOW BLK 3/4"	161378	2
6	KEY, 3/16 SQR X 1-1/2	165347	1
7	SHAFT, BLADE, SR-150	172067	1
8	FLANGE, OUTER, 3"	172068	1

ITEM NO.	DESCRIPTION		PART #
1	GC-10 Ultra Hard Aggregate		171934
2	GC-20 Hard Aggregate		171938
3	GC-30 Medium/Hard Aggregate		171282
4	GC-35 Medium Aggregate		171959
5	GC-55 Medium/Soft Aggregate		171969
6	Skid Plate		171286

ORDERING INFORMATION

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

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

- 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

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. 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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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.

SRX-150 Early Entry Concrete Saw
OWNER'S MANUAL, OPERATING INSTRUCTIONS &
PART LISTS



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