

## Operator's Instruction Manual

# EDCO CRACK CHASER Model C-10



## RANDOM CRACK SAW



**EQUIPMENT DEVELOPMENT COMPANY, INC.**  
100 Thomas Johnson Drive, Frederick, MD 21702-4600 USA  
Phone: 800-638-3326 or 301-663-1600 • Fax: 800-447-3326 or 301-663-1607  
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## READ AND UNDERSTAND THE OPERATORS INSTRUCTION MANUAL THOROUGHLY BEFORE ATTEMPTING TO OPERATE THIS EQUIPMENT.



**Death or serious injury could occur if this machine is used improperly.**



### SAFETY MESSAGES

- Safety Instructions are preceded by a graphic alert symbol of DANGER, WARNING, or CAUTION.



Indicates an imminent hazard which, if not avoided, will result in death or serious injury.



Indicates an imminent hazard which, if not avoided, can result in death or serious injury.



Indicates hazards which, if not avoided, could result in serious injury and or damage to the equipment.

### GASOLINE/PROPANE POWERED EQUIPMENT



- Engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.



- Gasoline is extremely flammable and poisonous. It should only be dispensed in well ventilated areas, and with a cool engine.

- Small gasoline engines produce high concentrations of carbon monoxide (CO) example: a 5 HP 4 cycle engine operation in an enclosed 100,000 cu. ft. area with only one change of air per hour is capable of providing deadly concentrations of CO in less than fifteen minutes. Five changes of air in the same area will produce noxious fumes in less than 30 minutes. Gasoline or propane powered equipment should not be used in enclosed or partially enclosed areas. Symptoms of CO poisoning include, headache, nausea, weakness, dizziness, visual problems and loss of consciousness. If symptoms occur - get into fresh air and seek medical attention immediately.

### ELECTRICAL POWERED EQUIPMENT



Extreme care must be taken when operating electric models with water present: Ensure power cord is properly grounded, is attached to a Ground-Fault-Interrupter (GFI) outlet, and is undamaged.

- Check all electrical cables - be sure connections are tight and cable is continuous and in good condition. Be sure cable is correctly rated for both the operating current and voltage of this equipment.
- Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with qualified electrician or service person if there is any doubt as to whether the outlet is properly grounded. Adhere to all local codes and ordinances.
- **NOTE:** In the event of a malfunction or breakdown, grounding provides a path of least resistance for the electric current to dissipate. The motor is equipped with a grounded plug and must be connected to an outlet that is properly installed and properly grounded. DO NOT modify the plug provided on the motor. If the plug does not fit the outlet have a qualified electrician install the proper receptacle.
- Switch motor OFF **before** disconnecting power.

- Do not disconnect power by pulling cord. To disconnect, grasp the plug, not the cord.
- Unplug power cord at the machine when not in use and before servicing.

### GENERAL INSTRUCTIONS

- Equipment should only be operated by trained personnel in good physical condition and mental health (not fatigued). The operator and maintenance personnel must be physically able to handle the bulk weight and power of this equipment.
- This is a one person tool. Maintain a safe operating distance to other personnel. It is the **operators' responsibility** to keep other people (workers, pedestrians, bystanders, etc.) away during operation. Block off the work area in all directions with roping, safety netting, etc. for a safe distance. Failure to do so may result in others being injured by flying debris or exposing them to harmful dust and noise.
- This equipment is intended for commercial use only.
- For the operator's safety and the safety of others, always keep all guards in place during operation.
- Never let equipment run unattended.



- Personal Protection Equipment and proper safety attire must be worn when operating this machinery. The operator must wear approved safety equipment appropriate for the job such as hard hat and safety shoes when conditions require. Hearing protection **MUST** be used (operational noise levels of this equipment may exceed 85db). Eye protection **MUST** be worn at all times.



Keep body parts and loose clothing away from moving parts. Failure to do so could result in dismemberment or death.

- Do not modify the machine.
- Stop motor/engine when adjusting or servicing this equipment.



Maintain a safe operating distance from flammable materials. Sparks from the cutting-action of this machine can ignite flammable materials or vapors.

### DUST WARNING



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

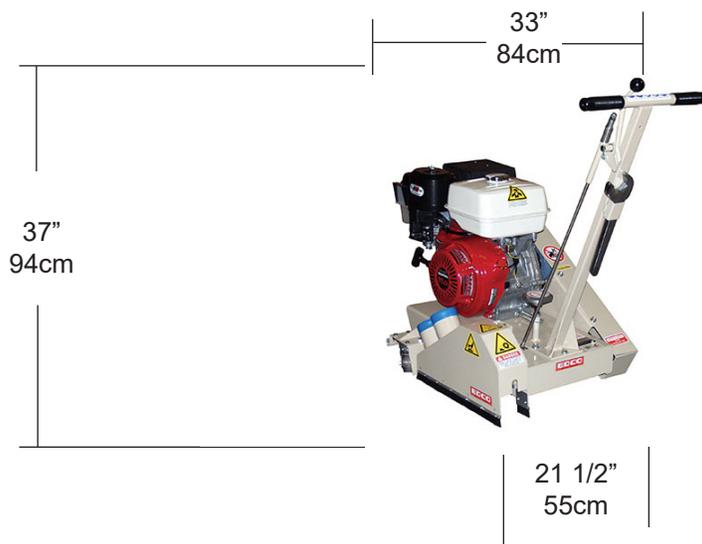
- Lead from lead-based paints, and
  - Crystalline silica from bricks and concrete and other masonry products.
- Your risk of exposure to these chemicals varies depending on how often you do this type of work. To reduce your risk: work in a well ventilated area, use a dust control system, such as an industrial-style vacuum, and wear approved personal safety equipment, such as a dust/particle respirator designed to filter out microscopic particles.

# Equipment Instruction Manual

## EDCO C-10 CRACK CHASER

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**Figure 1**

#### HOW TO ORDER REPAIR PARTS

To ensure product safety and reliability, always use genuine EDCO replacement parts when making repairs to the equipment.

When ordering parts, please specify the MODEL and SERIAL NUMBER of the machine as given on the NAME-PLATE. In addition, give part number, description and quantity as listed on the parts list.

Please note: Due to improvements and changes in the equipment the illustrations shown may be different from the actual machine.

Toll Free: Voice 1-800-638-3326 • Fax 1-800-447-3326

#### C-10 SPECIFICATIONS

Width	21 1/2" / 55cm
Height	37" / 94cm
Length	33" / 84cm
Weight	180 lbs / 81.6 kg



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**Read and understand the *Operator's Instruction Manual*,  
before operating this equipment.  
Death or serious injury can result if this machine is used improperly.**



## Safety Guidelines



Electrical  
Hazard



Breathing  
Hazard



Eye  
Hazard



Hearing  
Hazard



As with all gasoline powered equipment, care and attention must be exercised at all times during use, in addition to ensuring that routine and preventative maintenance is carried out periodically to ensure safe operation. Failure to carry out maintenance as necessary, including the replacement of parts to correct standards could render this equipment unsafe.



- Keep your machine clean.
- Keep filters clean.
- Keep hoses clear.
- Replace any worn or damaged parts with genuine EDCO parts immediately.
- Empty dust container frequently for optimum operation when using a vacuum.



- Do not use steam cleaners or pressure washers to clean the machine.
- Do not use water while cutting, slurry will fill cut and harden when dry.
- Do not immerse in water for cleaning.
- Do not attempt machine maintenance or cleaning unless the spark plug wire has been removed for safety.
- Do not allow any modifications that do not meet the quality and standards of the original equipment.

Safety warnings and guidelines do not by themselves eliminate danger.  
They are not substitutes for proper accident prevention and good judgement.

# OPERATING AND SAFETY INSTRUCTIONS

## General Description The EDCO Model C-10 “Crack Chaser”

The C-10 is designed to control dust during crack chasing. The vacuum used with the C-10 must have high CFM (over 200) and sufficient filtration to capture submicron silica particles. We recommend that a dual stage, self-purging system be utilized. There are many different types of vacuum systems available. Please call EDCO for our list of approved EDCO vacuum systems or visit our web site at [www.edcoinc.com](http://www.edcoinc.com) for more information.

The blade is lowered into a cutting position from the handle, and can be raised out of the cut by releasing the spring loaded lifting handle.

The C-10 is available with (5) different power source options:

**Gasoline**

**Honda 9,11,13 HP.**

**Electric**

**Baldor 5 HP 1PH-230 Volt**

**Baldor 5 HP 3PH-230/460 Volt**

The C-10 can be used with either a 7”, 8” or 10” diameter blade. We recommend that for crack chasing an 8” diameter blade be used. For joint cleaning, typically the 10” blade will work best.

The C-10 still works on a down cut principle, and you pull the unit toward you as the blade almost seems to seek the crack out. The unit is riding on three caster assemblies, and will allow you to follow any random crack.



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The C-10 is designed to rout out random cracks using the diamond blade. Width and diameter selection is critical to the operation of the unit. Edco offers a complete line of dry diamond blades for the C-10 including:

Dia		Blade Width	Slot Cutting Width Auger	Arbor
8	x	.250	3/8"	1"
8	x	.375	1/2"	1"
8	x	.500	5/8"	1"

\* "V" type blades are available. Call for further information.

### CAUTION

The blade turns clockwise when facing the shaft. Make sure that the blade rotation arrow is pointing in the proper direction. Incorrect rotation of the blade could reduce cutting life.

## SETTING CUTTING DEPTH

### CAUTION

Make sure machine is not running while setting or making these adjustments.

1. Release the blade lifting lever with blade already mounted on shaft.

2. NOTE:

USE STEP A. If the blade is resting on the work surface.

OR

USE STEP B. If the blade is above the work surface.

A:

Note the distance between the height adjustment caster and the work surface. That represents the depth of cut the blade will provide you. In most cases, 1/2" depth is sufficient.

**B:**

Unscrew the height adjustment caster (in middle of saw) until the caster is above the work surface. The distance between the bottom of the caster and the work surface is the cutting depth.

After required cutting depth is determined, tighten locking nut on height adjusting caster assembly.

As the blade wears, slight adjustments in depth will be required.

## STARTING THE SAW

1. Always start saw with lifting handle in the UP position. (Blade off the ground.)
2. See engine or motor manufacturers instruction manual for starting instructions.
3. After 2-3 minute warm-up period, (does not apply to electric models). Align the blade with the crack, slowly release the blade lowering handle until the diamond blade enters the crack. The saw will want to move in the direction of the crack (path of least resistance). Guide it along as desired. (Do not cut more than 3/4" deep per pass blade may overheat.)
4. Sawing  
Run engine at full throttle, (does not apply to electric models). The faster the blade is turning, the cooler it will operate and the longer it will last.

Use the blade as a pivot point. Do not force the blade through tight corners. Let the saw do the cutting.

## CUTTING SPEEDS OF BLADES ARE APPROXIMATE:

1/2" deep	.250 width - Asphalt - 15' per minute
1/2" deep	.375 width - Asphalt - 10' - 12' per minute
1/2" deep	.500 width - Asphalt - 10' - 12' per minute



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1/2" deep	.250 width - Concrete - 10' per minute
1/2" deep	.375 width - Concrete - 8' - 10' per minute
1/2" deep	.500 width - Concrete - 8' - 10' per minute

When sawing is completed, lift blade out of cut using the blade raise/lower handle and allow engine to cool at idle for 2 - 3 minutes.

## MAINTENANCE

The saw operates in very dusty conditions which require the special periodic maintenance actions noted below. Refer to the engine manufacturers manual for routine maintenance.

1. Clear the air filter after each day of operation. Remove the foam element and wash it in kerosene or liquid detergent and hot water, then wrap it in cloth and squeeze it dry. Blow the dust off of the paper element with low pressure compressed air to prevent damage but do not wash it. Replace the elements in the housing.
2. Grease the shaft bearings after each day's operation with heavy duty ball bearing grease.
3. Inspect the blade for damage frequently during each day's cutting. Do not cut with a damaged blade.
4. Wash the saw thoroughly after each day's use to remove accumulated dust. Do not allow the muffler to become clogged, or dirt to accumulate between the cooling fins and around the throttle linkages.
5. Check the belt tension after the first hour's operation and daily thereafter. Adjust the belt tension by loosening the 5/32" Allen head set screw, and turning the 1/2" belt tension adjusting screw so that the belt deflects no more than 1/2" under moderate finger pressure. Re-tighten the Allen head set screw before operation.
6. Change the spark plug after every 100 hours of operation.

**\*\*\*WARNING\*\*\***

**“DO IT RIGHT” OR RISK SEVERE PERSONAL INJURY.  
FOLLOW INSTRUCTIONS CAREFULLY**

**\*\*\*WARNING\*\*\***

## **!Notice!**

**Do not use the C-10 Crack Chaser without a properly sized vacuum system. It will generate a great deal of concrete dust.**

**This dust can be harmful to the operation of the engine and the operator. The operator should wear a protective mask  and must CHANGE or CLEAN the air filter after each day of operation.**

**Failure to perform this operation may cause excessive engine wear and greatly reduce the expected engine life.**

**Warranty claims do not cover dust related problems.**

**Dust suppression kits are available.**

**For more information on this machine(s) and other EDCO products please visit our website at:  
<http://www.edcoinc.com>**

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## SMI Dust and Silica Warning

Grinding/cutting/drilling of masonry, concrete, metal and other materials can generate dust, mists and fumes containing chemicals known to cause serious or fatal injury or illness, such as respiratory disease, cancer, birth defects or other reproductive harm. If you are unfamiliar with the risks associated with the particular process and/or material being cut or the composition of the tool being used, review the material safety data sheets and/or consult your employer, the manufacturers/suppliers, governmental agencies such as OSHA and NIOSH and other sources on hazardous materials. California and some other authorities, for instance, have published lists of substances known to cause cancer, reproductive toxicity, or other harmful effects.

Control dust, mist and fumes at the source where possible. In this regard use good work practices and follow the recommendations of the manufacturers/suppliers, OSHA/NIOSH, and occupational and trade associations. Water should be used for dust suppression when wet grinding/cutting/drilling is feasible. When the hazards from inhalation of dust, mists and fumes cannot be eliminated, the operator and any bystanders should always wear a respirator approved by NIOSH/MSHA for the material being used.

Grinding/cutting/drilling of masonry, concrete 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.



Repairs are to be preformed by EDCO or by approved EDCO repair technicians.



Read and follow all instructions in the Operator's Instruction Manual.

### Maintenance Schedule

	Before Operation	After Each Days Use	Before Each Use	As Necessary
Inspect Entire Machine	X			
Clean Filters		X		
Inspect Blade			X	
Inspect/Tighten Hardware				X
Tighten Belts				X



**LIMITED EQUIPMENT WARRANTY OF SALE – TERMS & CONDITIONS**

Equipment Development Company, Inc. herein referred to as EDCO (Seller) warrants that each new unit manufactured by EDCO to be free from defects in material and workmanship in normal use and service for a period of (1) one year (except for the cutter drum assembly on all model concrete/asphalt planes, in which case the warranty period shall be 90 days) from date of shipment to the original retail or equipment rental center owner.

Accessories or equipment furnished and installed on the product by EDCO but manufactured by others, including, but not limited to engines, motors, electrical components, transmissions etc., shall carry the accessory manufacturers own warranty.

EDCO will, at its option, repair or replace, at the EDCO factory or at a point designated by EDCO, any part which shall appear to the satisfaction of EDCO inspection to have been defective in material or workmanship.

EDCO reserves the right to modify, alter and improve any part or parts without incurring any obligation to replace any part or parts previously sold without such modified, altered or improved part or parts.

This warranty is in lieu of and excludes all other warranties, expressed, implied, statutory, or otherwise created under applicable law including, but not limited to the warranty of merchantability and the warranty of fitness for a particular purpose in no event shall seller or the manufacturer of the product be liable for special, incidental, or consequential damages, including loss of profits, whether or not caused by or resulting from the negligence of seller and/or the manufacturer of the product unless specifically provided herein. In addition, this warranty shall not apply to any products or portions thereof which have been subjected to abuse, misuse, improper installation, maintenance, or operation, electrical failure or abnormal conditions and to products which have been tampered with, altered, modified, repaired, reworked by anyone not approved by seller or used in any manner inconsistent with the provisions of the above or any instructions or specifications provided with or for the product

**FORCE MAJEURE**

Seller's obligation hereunder are subject to, and Seller shall not be held responsible for, any delay or failure to make delivery of all or any part of the Product due to labor difficulties, fires, casualties, accidents, acts of the elements, acts of God, transportation difficulties, delays by a common carrier, inability to obtain Product, materials or components or qualified labor sufficient to timely perform part of or all of the obligations contained in these terms and conditions, governmental regulations or actions, strikes, damage to or destruction in whole or part of manufacturing plant, riots, terrorist attacks or incidents, civil commotions, warlike conditions, flood, tidal waves, typhoon, hurricane, earthquake, lightning, explosion or any other causes, contingencies or circumstances within or without the United States not subject to the Seller's control which prevent or hinder the manufacture or delivery of the Products or make the fulfillment of these terms and conditions impracticable. In the event of the occurrence of any of the foregoing, at the option of Seller, Seller shall be excused from the performance under these Terms and Conditions, or the performance of the Seller shall be correspondingly extended.

This document sets forth the terms and conditions pursuant to which the purchaser ("Purchaser") will purchase and Equipment Development Co.Inc. ("Seller") will sell the products, accessories, attachments (collectively the Products") ordered by the Purchaser. These terms and conditions shall govern and apply to the sale of Seller's Products to Purchaser, regardless of any terms and conditions appearing on any purchase order or other forms submitted by Purchaser to Seller, or the inconsistency of any terms therein and herein.

**1. PRICE**

All prices set forth on any purchase order or other document are F.O.B. Sellers facility or distribution point, as may be determined by Seller (F.O.B.Point). All prices are exclusive of any and all taxes, including, but not limited to, excise, sales, use, property or transportation taxes related to the sale or use of the Products, now or hereafter imposed, together with all penalties and expenses. Purchaser shall be responsible for collecting and/or paying any and all such taxes, whether or not they are stated in any invoice for the Products. Unless otherwise specified herein, all prices are exclusive of inland transportation, freight, insurance and other costs and expenses relating to the shipment of the Products from the F.O.B. point to Purchaser's facility. Any prepayment by Seller of freight insurance and other costs shall be for the account of Purchaser and shall be repaid to Seller.

**2. PAYMENT TERMS**

Payment terms are as follows. 2% 10 days (to approved and qualified accounts). Net 30 days. This is a cash discount for invoices paid within 10 days after the invoice date, regardless of date of receipt of shipment. This is not a trade discount and will not be granted to accounts that do not adhere to stated terms.

\*All past due accounts are subject to a late payment fee of 1.5% per month or a maximum allowed by law if different, along with the expenses incidental to collection including reasonable attorney's fees and costs.

\*Seller reserves the right to hold shipments against past due accounts.

\*Seller reserves the right to alter payment terms.

**3. FREIGHT TERMS**

All shipments will be made F.O.B. shipping point as designated in these Terms and Conditions, and title shall pass at the F.O.B. point. Delivery to the initial common carrier shall constitute delivery to the Purchaser. Any claims for loss or damage during shipment are to be filed with carrier by the Purchaser. Seller will not assume responsibility for the performance of the carrier.

Back orders will be shipped in the most practical fashion with charges consistent with our freight policy established with the original order. UPS, FED EX, MAIL or shipments by other couriers are subject to the same terms and conditions as outlined in paragraph #3"Freight Terms".

**4. DELIVERY, DAMAGES, SHORTAGES**

Seller shall use reasonable efforts to attempt to cause the Products to be delivered as provided for in these Terms & Conditions. Delivery to the initial common carrier shall constitute the delivery to the Purchaser. Sellers responsibility, in so far as transportation risks are concerned ceases upon the delivery of the Products in good condition to such carrier at the F.O.B. point and all the Products shall be shipped at the Purchaser's risk. Seller shall not be responsible or liable for any loss of income and/or profits, or incidental, special, consequential damages resulting from Seller's delayed performance in shipment and delivery.

**5. RETURN OF DEFECTIVE PRODUCTS**

Defective or failed material shall be held at the Purchaser's premises until authorization has been granted by Seller to return or dispose of Products. Products that are to be returned for final inspection must be returned Freight Prepaid in the most economical way. Credit will be issued for material found to be defective upon Seller's inspection based on prices at time of purchase.

**6. PRODUCTS ORDERED IN ERROR**

Products may be returned, provided that claim is made and Seller is notified within 7 days of receipt of Products, and the Products are in original buyer's possession not more than 30 days prior to return, subject to Seller's approval. If Products are accepted for return, they must be Freight Prepaid and buyer will be charged a minimum of 15% restocking charge, plus a charge back for outbound freight charges if the original order was shipped prepaid. Returns are not accepted for any Products that are specifically manufactured to meet the buyer's requirement of either specifications or quantity.

**AGREEMENTS**

These Terms and Conditions constitute the entire agreement between Seller and Purchaser as it relates to terms and conditions of sale, and supersedes any and all prior oral or written agreements, correspondence, quotations or understandings heretofore in force between the parties relating to the subject matter hereof. There are no agreements between Seller and Purchaser with respect to the Product herein except those specifically set forth in and made part of these terms and conditions. Any additional terms, conditions and/or prices are rejected by Seller.

These terms and conditions may be modified, cancelled or rescinded only by a written agreement of both parties executed by their duly authorized agents.

**USE ONLY GENUINE EDCO PARTS & ACCESSORIES**  
**For your own safety, the safety of others and the life of your machine.**  
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## BEFORE USING THIS PRODUCT

Have You Used EDCO's Online Customer Support??



Scan This QRC or Visit  
[www.edcoinc.com/customer-support](http://www.edcoinc.com/customer-support)



**READ:** **EDCO Owner's Manuals and Parts Listings** share basic information and parts of each product. Download and print them whenever needed.



**WATCH:** **EDCO Product Training Videos** show how to use products, install tooling, and perform basic maintenance.



*Example Only*

**FIND:** Somewhere on this product is an **EDCO QRC Training Decal**. Scanning this code provides owner's information, videos, and other training content anywhere/anytime on your mobile device.



**JOIN:** **EDCOed.com** is a free, 24-hour training space. Each certification track focuses on a specific EDCO product group. The information in these tracks help businesses be successful with those products.

EDCO is always updating online training / information so you always have the most recent content.

Also see Operator's Safety & Limited Warranty Manual

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