



# Operator's Safety and Limited Warranty



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## READ AND UNDERSTAND THE OPERATORS SAFETY MANUAL THOROUGHLY BEFORE ATTEMPTING TO OPERATE THIS EQUIPMENT.

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

MACHINE SPECIFIC OPERATORS INSTRUCTION MANUALS ARE OFFERED AT [EDCOINC.COM/CUSTOMER-RESOURCES](http://EDCOINC.COM/CUSTOMER-RESOURCES)  
READ AND UNDERSTAND THE ENGINE MANUFACTURERS INSTRUCTIONS AND OPERATORS MANUAL BEFORE OPERATION



### SAFETY MESSAGES

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

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

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

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

### GASOLINE/PROPANE POWERED EQUIPMENT

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

**X** • 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, head-ache, nausea, weakness, dizziness, visual problems and loss of consciousness. If symptoms occur - get into fresh air and seek medical attention immediately.
- Never refuel a hot engine or an engine while it is running.
- Engines are shipped from factory without fuel/oil.

### 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.

### ELECTRICAL POWERED EQUIPMENT CONTINUED

- 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.
- Switch motor OFF **before** disconnecting power.
- Never use frayed, damaged, taped or under rated extension cords. Electrical shock could result in death or serious injury to the operator and damage to the equipment.
- Assure you are using the proper extension cord length.

### AIR POWERED EQUIPMENT



- When operating this equipment, the operator must wear approved job related safety attire. Eye and hearing protection must be worn at all times while equipment is in use as sound levels exceed 85 dBA. Steel toe safety shoes should be worn. Head protection is required if work is performed overhead. Wear proper dust mask based on material being removed.
- Use the correct size air hose for the tool, 1/2" diameter (minimum). Hose and fittings must be rated for safe handling in excess of 100 PSI pressure. The working pressure of this tool is 80-90 PSI and should never be allowed to exceed 100 PSI. If damaged hose is present, replace the hose before further use.
- Limit the hose length to 30 feet (10 meters) maximum. Note: The pressure drop of 1/2" diameter hose is approximately 1 PSI per 90 linear feet.
- Limit the hose length to 30 feet (10 meters) maximum. Note: The pressure drop of 3/8" diameter hose is approximately 3 PSI per 90 linear feet.
- A filter/water separator must be provided on the air source to afford an adequate supply of clean, dry air to this machine. Keep hoses clear at all times.

### WARNING

• Disconnect the air supply before performing any maintenance on this machine. Use only genuine EDCO parts with this equipment. Failure to do so may result in serious bodily injury or death.

- Replace any damaged parts immediately. Use only genuine EDCO parts.

• Do **NOT** force the tool into the work. The hammering action of the tool will perform the work for you. If the tool does not seem to perform the work to your specifications, check the air supply to verify proper air pressure and lubricator is functioning properly. If above suggestions do not remedy the problem call our customer service department at 1-800-638-3326 for possible solutions and trouble shooting.

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### AIR POWERED EQUIPMENT CONTINUED

- After turning the air valve hand lever off, the tool will continue to operate for a few seconds. This is a normal result of stored up pressure in the machine casing being released gradually. **Be sure to firmly grip the machine until ALL air leaves the chamber.**

- Remove the air source from the machine when not in use.

- This equipment will create dust from the material being removed. That dust may contain a chemical known to the state of California to cause cancer and/or birth defects or other reproductive harm. Check the chemical properties of the materials to be removed.

#### WARNING

- It is the operator's 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.

#### CAUTION

### 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 **operator's 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. 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 when operational noise levels of this equipment may exceed 85db. Eye protection **MUST** be worn at all times. Keep body parts, loose clothing and accessories away from moving parts. Failure to do so could result in dismemberment or death.



### GENERAL INSTRUCTIONS CONTINUED

- 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.



### OPERATOR RESPONSIBILITIES

- Read and follow all safety decals and labels.
- Maintain a safe operating distance to other personnel.
- Be familiar with all aspects of the machine's operation and controls before applying power to the equipment.
- Use the correct accessory for the job being performed and material being removed. Make sure accessories are mounted correctly.
- Never operate this machine while under the influence of drugs or alcohol, while taking medications that impair the senses or reactions, or when excessively tired or under stress.
- Follow the instructions in the operator's manual and exercise caution.
- Comply with all local safety and health regulations as well as EPA and OSHA regulations.
- Read/Maintain a copy of the equipment's operator's manual and the engine/motor manufactures operators manual with the machine for reference at all times.
- Be sure all decals on the machine can be clearly read and understood. Replace worn/missing decals immediately.

#### WARNING

### 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. Materials being removed can be toxic or hazardous. A breathing respirator is required to help protect the operator.

Some examples of these chemicals are:

- Lead from lead-based paints, and
- Crystalline silica from bricks, 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.
- See more on the importance of dust prevention and silica warnings at: [osha.gov/silica](http://osha.gov/silica)
- More concrete and silica dust suppression training and educational materials available at [edcoinc.com/silica-standards](http://edcoinc.com/silica-standards) or scan the QR code on pg 6.
- Written exposure plans are provided at <http://www.edcoinc.com/written-exposure-control-plans/>

### Safety Symbols



This symbol means that the guards must remain in place while the engine/motor on the machine is running because death or personal injury may result.  
(Yellow background with black pictogram and black outline)



This symbol means that there are moving parts and if feet/fingers/digits are inserted under any edge of the cutter/grinder/saw cover while the engine/motor on the machine is running that personal injury and loss of foot/fingers/digits may result.  
(Yellow background with black pictogram and black outline)



This symbol means the surface is HOT and that if fingers/digits/hands or any bare or unprotected skin comes in contact with this surface or hot accessory, possible serious burns and personal injury may result.  
(Yellow background with black pictogram and black outline)



This symbol means that potential hazardous voltages are present and the equipment must be properly grounded and extreme caution should be taken. If for any reason maintenance or repair is needed, insure that voltage(s) are disconnected at the machine and the source unless (be cautious) voltage needs to be present to troubleshoot the problem, then only qualified personal should work on "live" systems.  
(Yellow background with black pictogram and black outline)



This symbol means that the machine is heavy if the machine needs to be lifted onto or off of a truck, loading dock etc. that proper technique or heavy duty lifting device should be used, personal injury could result.  
(Yellow background with black pictogram and black outline)



This symbol means that dangerous chemicals, gases, dust particles and/or fumes are present including carbon monoxide. Proper ventilation must be maintained. Do not use gasoline/diesel/propane powered equipment indoors.  
(Yellow background with black pictogram and black outline)



This symbol means that there are sharp components and if feet/fingers/digits come in contact personal injury or death could result.  
(Yellow background with black pictogram and black outline)



This symbol means hazardous pressures are present. Caution should be exercised to prevent personal injury or damage to equipment. Face, eye and head protection should be used.  
(Yellow background with black pictogram and black outline)



This symbol means explosive and hazardous vapors are present. Caution should be exercised to prevent personal injury to face and eyes. Breathing and personal protection should be used when servicing.  
(Yellow background with black pictogram and black outline)



### Safety Symbols



This symbol means that the Operator's, owners, instruction and/or manufacturer(s) manuals must be read and understood before operating or attempting to operate this electrical, gasoline, diesel or propane powered equipment, failure to do so can result in personal injury and possible death. (Blue background with white pictogram.)



This symbol means that proper eye protection must be worn/used during the operation of this equipment. There is a potential risk of operator eye damage, injury or loss of sight. This also applies to any personnel standing nearby observing the operation of this equipment. (Blue background with white pictogram.)



This symbol means that proper ear protection should be worn/used during the operation of this equipment. There is a potential risk of operator hearing damage, injury or loss of hearing which will increase based on the length of exposure. This also applies to any personnel standing nearby observing the operation of this equipment. (Blue background with white pictogram.)



This symbol means that proper head protection should be worn/used during the operation of this equipment there is a potential risk of operator head injury from foreign or loose objects the equipment might come in contact with during operation. This also applies to any personnel standing nearby or observing the operation of this equipment. (Blue background with white pictogram.)



This symbol means that proper breathing protection or engineering controls must be worn/used during the operation of this equipment there is a potential risk of operator lung damage. Repeated and/or substantial inhalation of airborne crystalline silica can cause serious or fatal respiratory diseases, including silicosis. In addition, to California and some other authorities have listed respirable crystalline silica as a substance known to cause cancer. When grinding/cutting/drilling such materials, always follow local respiratory precautions. This also applies to any personnel standing nearby or observing the operation of this equipment. (Blue background with white pictogram.)



This symbol denotes the lifting point and means that if lifting of this equipment is necessary use a lifting device that is designed to accommodate or exceed the weight of this machine. Check the Operator's manual for specifications. Using a device that is not designed to accommodate or exceed the weight of this machine could result in damage to the machine and personal injury. Do not lift equipment over people because death or serious injury could result. (Blue background with white pictogram.)



This symbol means do not insert fingers/digits under any edge of the belt cover while the engine/motor on the machine is running because personal injury and loss of fingers/digits may result. (Black pictogram with red "No" symbol outline)



This GHS pictogram identifies that the chemicals contained present serious health hazards. (Black pictogram with red diamond symbol outline)



## DUST AND CRYSTALLINE SILICA WARNING



### 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.

### WARNING

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. When grinding/cutting/drilling such materials, always follow the respiratory precautions mentioned above.

See more on the importance of dust prevention and silica warnings at [osha.gov/silica](https://www.osha.gov/silica).

See more concrete and silica dust suppression training and educational materials at [edcoinc.com/silica-standards](https://www.edcoinc.com/silica-standards) or scan the QR code at right.





## 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 planers AND the chisel head assembly on all model ALR's & ALR-BS 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 there of 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. Seller's 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.**

Submit all warranty claims at [EDCOINC.com/Warranty-Claim-Form](http://EDCOINC.com/Warranty-Claim-Form)



### Grinders (2DHD, 2EC/GC-NG, SEC, SEC-NG, TG-10, TMC-7, TL-9)



FLOOR  
GRINDERS  
EDCO  
SCAN FOR  
TRAINING  
MATERIAL



TURBO  
GRINDERS  
EDCO  
SCAN FOR  
TRAINING  
MATERIAL

- Concrete grinders are designed to be used to grind flat horizontal concrete slabs using EDCO approved accessories.

#### Perform Pre-Start Check

- Visually inspect the equipment/accessories for wear and damage. Be sure all fasteners are tight and secure, check for signs of metal cracking, inspect for damage to electrical wiring, damage to fuel lines, check bearings. Perform all daily & required maintenance.
- Check to be sure water tubes are functioning properly if performing wet-grinding operations.
- Inspect work area to determine the presence and location of deck inserts, pipes, columns and objects protruding from the slab surface so that they may be avoided during the grinding operation.
- For wet grinding: attach the water supply. A flow rate of approximately 1/2 gallon per minute is recommended. Use the flow valve to regulate the flow of water. Adding water to the process may create a wet/slippery working surface, use caution.
- Before starting the engine or motor: Raise the front of the machine clear from the working surface. Assure rotary switch is in OFF position before plugging in the electric power source (on electric models).
- Start engine/motor and allow it to reach operating speed: Position the grinder at the starting point. Bring the engine to full speed. Lower the machine onto the slab surface. Use a slow sweeping motion from left to right and back continuously and do not force the machine into the work, the engine or motor should not strain when grinding.
- For gasoline models: Put the engine stop switch in the “Run” position. Consult the engine manufacturers operating instructions and follow directions for starting and breaking in the engine.
- To stop the machine: Stop forward motion, raise the front of the machine clear from the working surface. On gasoline models push the throttle to idle. Turn ignition or power switch off and let the engine come to a complete stop.
- To stop the machine (propane models): If stopping for the day, close valve and allow machine to purge propane from the system. If using E-Stop wait several minutes for propane to clear fuel system and carburetor before trying to restart.
- When maneuvering the grinder: Tilt grinder back enough so it does not strike the slab surface. Inadvertant contact with the slab could damage accessories.
- If the power source fails: Raise the grinder off the slab. Disconnect the power source (i.e. the spark plug wire on a gasoline engine). Replace damaged (or questionable) accessories immediately.
- When transporting the grinder: Disconnect the power source before lifting or removing any guards. Remove accessories during transport.
- When hoisting or lifting a grinder: Always inspect frame and attaching hardware for damage before lifting. Use proper safe hoisting and lifting techniques and hardware. Always lift from both sides. Lifting hooks are to be used with a qualified strap or chain only. These hooks are not meant for manual lifting. Lift from areas that show a “lifting point” decal.

#### Maintenance Instructions

- Disconnect the machine from the power source. Remove the spark plug lead on the propane and gasoline engine models or disconnect the supply voltage connector at the machine on the electric models before performing any maintenance. All maintenance to be performed regularly and by a qualified personnel.
- Never work under equipment without first properly securing the equipment to prevent it from moving or falling. Always work on a flat and level surface.
- Inspect all belts before each operation. Damaged, stretched, or excessively worn belts should be replaced with a new matched set for maximum power transfer. On gas and propane models inspect spark plugs. Clean if dirty, replace if the electrodes are burned. Gap plugs at .020”.
- For propane and gas models, refer to the engine manual for maintenance information specific to the engine being used.
- For propane models use a mild detergent motor oil that will not leave ash deposits. \*Gas engine oils\* are available from major petroleum companies. These \*gas engine oils\* are specifically blended for long-life on LP-gas or natural gas engine operation, which will not carbon up the combustion chamber or shorten valve lift. Premium oils should not be used in LP-gas or natural gas engines as the metallic detergents will damage the engine valves.
- Before operation, check grinding discs to be sure they are tight. Grinding discs loosen with use. Tighten bolts as required.





### Crete Planers (CPM-8, CPL-8, CPM-10, CPU10-FC, CPU-12)



- Crete planers are designed to plane flat, horizontal concrete or asphalt slabs. They may be called planers, mills, grinders or scarifiers and may be equipped with gasoline, propane engines or electric motors.

#### Perform Pre-Start Check

- Inspect work area to determine the presence and location of deck inserts, pipes, columns and objects protruding from the slab surface so that they may be avoided during the planing operation
- Use the correct cutters for the job. Be sure cutter drum is balanced, the number, size and type of cutter wheels are correct and the cutter drum shaft is locked and secured.
- On 5HP, single-phase turn rotary switch power to the OFF position before pressing the manual reset button on the motor. On 3 phase, push button on control box before pressing reset on the motor. Failure to do so could cause bodily harm and damage to the machine and/or work surface.
- Visually inspect the equipment/accessories for wear and damage. Be sure all fasteners are tight and secure, check for signs of metal cracking, inspect for damage to electrical wiring, damage to fuel lines, check bearings. Perform all daily & required maintenance.
- Be sure that the cutter drum assembly has been properly installed and the cutter drum shaft is in place and secured.
- For walk-behind models: Select a level place at the job site. Set the “disengage lever” in the full DOWN position. It is important to determine the position of the cutter wheels as they relate to the slab or floor surface. If the drum assembly is filled with cutters, the cutter wheels will most likely contact the slab when the “disengage lever” is lowered. Turn the “depth adjustment crank” UP until the cutter wheels are clear of the slab. Follow these instructions each time before the engine is started to prevent accidental damage to the slab or the machine.
- For walk-behind models: Raise the “disengage lever” to full UP position. DO NOT force lever. If resistance is felt, turn the “depth adjustment crank” DOWN one or two turns. This will allow the “disengage level” to reach its normal full UP position.
- Locate engine on/off switch, if the engine is so equipped. On some engines the throttle control is also the engine shut-off switch. Familiarize yourself with this operation. All EDCO gasoline engine operated planers are equipped with a STOP switch usually located on the handle. This switch is also used for the emergency engine shut off.
- Check to be sure water tubes are functioning properly if performing wet-planing operations.
- Locate and familiarize yourself with all engine/motor operating controls. Read and understand engine/motor manufactures instructions.
- CPU-12 uses a battery powered hydraulic pump. Lift up on the cam lift lever to lower the 5th wheel, this action raises the drive wheels. Maneuver the machine into position over the work area. Lower the cam lift lever engage the drive wheels. NEVER lower cutter head with rear wheel raised or raise the rear wheel while the cutter head is lowered. Only cut in a forward direction. Death or serious injury and/or damage to the equipment can result.
- CPM-10 Model comes equipped with a lanyard kill switch. The operator must attach the snap hook around his wrist or to his belt. If control of the machine is lost, the hook will pull free and release from the stop switch, immediately stopping the machine. Be sure this safety mechanism is in working condition before operating.

#### Operating Instructions:

- For electric models: Be sure the “ON/OFF” rotary cam switch is in “OFF” position. Connect the correct voltage/phase electrical power source by plugging into the connector provided. If the cord does not mate with the connector, consult a qualified electrician before continuing. Verify that the electrical current being supplied is the proper voltage and phase required to run the equipment. Check motor rotation. DO NOT use if drum rotation is incorrect. (Self Propelled and CPM-4 are up cut and walk behind models are down cut.) If rotation is incorrect have a qualified electrician make the necessary change.
- For gasoline models: Consult the engine manufacturer’s owner’s manual and follow the directions for starting the engine.
- For walk behind models: to start the cut, slowly lower the cutter head to the slab surface with the cutter head lever. Lift the knob of the depth control to unlock and turn the hand wheel slowly until the cutter head contact the slab. Continue adjusting the depth of the cut until the desired depth is reached; max depth of cut 3/8” (9.5mm) in 1/8” increments.
- For walk behind models: To stop cutting, move cutter head control lever to raise cutter head assembly above slab surface. For gasoline and propane models, close the throttle and turn the ignition switch to the “off” position. For electric models, enable the “off” button/switch.



### Crete Planers (CPM-8, CPL-8, CPM-10, CPU10-FC, CPU-12) Continued

- After cutting, clean the entire machine after it has cooled. Check for worn or damaged cutters and perform any required maintenance. If water was used for dust control, clean slurry under machine before it dries.
- Cutting heads/drums: drum assembly revolves at approximately 1200-2000 rpm. Depth of cut is completely determined by material to be cut, horsepower of the engine/motor and the spacing of the cutter wheels on the cutter head. The engine/motor should not labor. Run at full speed and adjust forward speed to fit the work being performed. All cuts should be started from a stationary position - when cutting depth is reached the planer should then move forward. If it is necessary to make deep cuts - make several shallow cuts to achieve the desired depth. If cutting depth is set too deep the cutter wheels will be able to absorb the shock and damage to the equipment will result. The cutter wheels have an oversized arbor hole, this clearance is needed to absorb some of the shock of the cutter contacting the concrete and allow the cutter to rebound from the surface.
- To reach maximum depth in concrete: it is best to make several passes - use coarse (wide spacing) for initial passes. Complete job with medium spacing. Never use a fine spaced cutter head to cut deeper than 1/32"-1/8".
- On self-propelled models, if the front wheels are not in contact with slab surface when planing, you are bottoming the cutter head. You are riding on the drum and cutter wheels. Cutter wheels will wear uneven or break if this is continued. Re-adjust depth by turning the fine adjustment in "up" direction until cutters are free and cutting is being accomplished by hammering. Failure to follow these instructions will cause undue cutter wear, breakage, bearing failure or excessive vibration that will be transmitted back to the machine frame and engine eventually causing a self-destruction of the unit.

#### Maintenance Instructions:

- Disconnect the machine from the power source. Remove the spark plug lead on the gasoline engine models or disconnect the supply voltage connector on the electric models, before performing any maintenance. All maintenance should be performed regularly by qualified personnel. Remove all rings, watches and jewelry prior to doing maintenance near hydraulic pump.
- Never work on or under equipment without first securing the equipment to prevent it from moving or falling. Always work on a flat and level surface. Always place chocks on wheels and support device under the equipment to prevent movement.
- To remove cutter drum assembly or perform drum maintenance on the CPM-8 Model tilt machine forward, do not tilt machine on to handle, engine damage and/or operator injury may result.
- Before hoisting, always inspect frame and attachment hardware for damage. Use proper and safe hoisting techniques with approved hardware. Never hoist a machine over top of where people are working or standing. Never hoist a machine while the engine is running. Serious personal injury or damage to the equipment can result.
- Damaged, stretched or excessively worn belts should be replaced with a complete set. DO NOT mix new and used belts. Proper belt tension must be maintained to transmit the engine/motor power to the cutter drum. Slipping belts will overheat, belt life will be shortened and the cutting speed limited. Over tensioned belts will shorten belt and bearing life.

#### Traffic Line Remover (TLR-7)



- TLR-7 is designed to remove markings from asphalt while creating feathered edges which quickly blend with the surrounding surface. Do not use the TLR-7 for any other purpose. Do not modify the machine.
- Visually inspect the equipment/accessories for wear and damage. Be sure all fasteners are tight and secure, check for signs of metal cracking, inspect for damage to electrical wiring, damage to fuel lines, check bearings. Perform all daily & required maintenance.

#### Operating Instructions:

- Before starting the machine, engage the kickstand. This lifts the cutter head free of surface and applies the machine brake.
- Before starting, check that cutter head engaging lever in the disengaged position. (Resting against top plate of handlebars)
- Once engine is started, raise the cutter to the full up position by adjusting the depth control handle. Disengage kickstand then move the machine into the position where work will be performed. Proceed by lowering cutter head lever and adjusting the depth control handle. Never drop cutters into the work by releasing the cutter head lever. Depending on material being removed, the operator can increase or decrease the tension of the cutting head utilizing the pressure control handle and the pressure control meter will fluctuate accordingly.



### Traffic Line Remover (TLR-7) Continued

- To change cutters: stop engine, disconnect spark plug lead. Determine quantity of gas, if required, drain tank to less than 1/2 tank with the supplied drain spout. DO NOT allow gasoline to come in contact with hot engine parts. Turn pressure control until meter reads "0". This will release tension from main pressure control spring. Lower disengage lever: inner frame should be resting on outer frame. Cutter assembly should be resting on road surface. Grasp depth control knob and lift. Entire depth control assembly should move up freely allowing lower linkage to lift clear of inner frame. Move lower linkage toward rear of machine. Unhook ground wire. The inner frame assembly is held against outer frame by the pressure control spring. To release pressure, reach behind the black steel weight and in front of the rear casters - halfway under outer frame, locate lock hatch, pull pin back, turn 90 degrees and release. Grasp clevis pin, lift frame up and pivot forward until inner frame is 90 degrees to outer frame and is resting on front bumper. Remove, change or replace cutters.

#### Maintenance Instructions:

- All maintenance should be performed regularly and by qualified personnel only. Remove spark plug lead before carrying out any maintenance. Refer to engine manual for engine maintenance.
- Never work on or under equipment without first securing the equipment to prevent it from moving or falling. Always work on a flat and level surface. Always place chocks on wheels and support device under the equipment to prevent movement.

### Tile Shark (TS-8)



- The tile shark is designed to remove vinyl tile (ceramic tile blade available), industrial build ups, adhesives and carpet from flat horizontal surfaces using a rapid oscillating action. The Tile Shark may be used on crete/wood surfaces and operates on standard household current. Do not use the Tile Shark for any purpose other than that for which it was designed.

#### Operating Instructions:

- Before starting: inspect work area to determine the presence and location of screws, nails, pipes or any other foreign objects protruding from the surface so that they may be avoided during the stripping operation.
- Before starting: be sure the power switch is in the OFF position. Inspect the power and extension cords before plugging in the power supply.
- Before starting: Inspect the blade carefully, blade must be sharp and properly installed. Use only genuine EDCO blades. Do not use any questionable blade since serious personal injury and/or damage to property can result. NOTE: Blade is extremely sharp! Wear heavy duty work gloves when changing the blades and handle with care.
- Starting the machine: make sure the machine is clear of walls and/or obstructions, tilt it back to slightly shift the weight on to the wheels, then turn the switch to on. DO NOT FORCE THE MACHINE into the cut. Turn machine off when maneuvering.
- During the cut: Use only 2/3 width of the blade on each pass. Removing an excessive amount will damage the equipment.
- Remove material in the direction of the wood grain to minimize gouging. (Some gouging is unavoidable and will occur).

#### Maintenance Instructions:

- Disconnect the power source at the machine and remove blade before performing any maintenance.
- All maintenance should be performed regularly and by qualified personnel only.
- Unplug the machine from power source. Use the appropriate tools and techniques to remove the blade to minimize the chance of the wrench slipping. Be sure the blade is secured before plugging the Tile Shark back in to the power source.
- Grease striker plate every 4 hours using Lubriplate #1444 high temperature grease or equivalent.
- The tile shark can be stored or transported in the folded positions to save valuable cargo space.
- DO NOT store of transport with the blade attached.



### Crete-Crushers (CD-5, CD-3, CD-5H)



#### Operating Instructions:

- Choose the correct type of bit to do the job. Use a hammer and punch to drive out the bit retaining pins. Remove the bits, replace and drive the retaining pins back in securely. If pins are loose or worn place with new tight fitting pins.
- Determine if the slab is structurally sound and safe. While your crete-crusher delivers a controlled impact and should not damage the base, care should be taken that the slab is strong enough to withstand the impact of repeated hammering.
- Connect air supply hose to connector on machine. Connect WHIPCHECK on machine to air supply hose (failure to do so could result in serious bodily injury or death). Connect industrial vacuum to port on machine. Before supplying the machine with air, ensure the operating valve is in "off" position. Grasp handle bars and position yourself behind machine and turn lever to run position. CD-5 & CD-3 should be operated in side sweeping motion. CD-5H should be operated in a forward & reversed motion to work the edge of a curb. Be sure to disconnect the unit from the air source when not in use.
- For efficient operation of your scabbler, be sure to use a compressor with adequate output. A compressor output of 150 CFM @ 90 PSI or larger is recommended (Do not exceed 60' of 3/4" hose. Also inspect to ensure oil level of the lubricator. The proper oil is one with viscosity of 32 centi-strokes (ISO 32) Lubriplate HO-32 hydraulic oil or Citgo AW-32 hydraulic oil.
- The air pressure should be regulated between 40 PSI and the maximum of 90 PSI depending on the job at hand.
- Periodically inspect the level of condensation that might accumulate in the water separator bowl located near your air supply.

#### Maintenance Instructions:

- Disconnect the machine from the air supply source before doing any maintenance. All maintenance to be performed regularly by qualified personnel. Never work under saw without first placing chocks on the wheels and support device under the saw to prevent it from moving or falling. Always work on a flat and level surface.
- If the scabbler is to be stored or not used for extended periods of time it is recommended that the following suggestions be followed: drain moisture from water filter. Fill lubricator with proper grade of oil. Remove top plate from cylinder block, remove top caps and generously apply the proper oil to top of pistons. Manually move the pistons up and down through their cycle several times to ensure all surfaces are coated with oil. Reassemble the machine taking care to ensure that the o-ring seals on the cylinder top caps are not damaged.

### Chisel Scalars (ALR, ALR-E, ALR-BS)



- Chisel scalars use a rapid, hammering action with a range of accessories to remove various materials from various surfaces.

#### Operating Instructions:

- Before starting: inspect work area to determine the presence and location of any foreign objects protruding from the surface so that they may be avoided during the stripping operation

#### Maintenance Instructions:

- To remove a chisel: Remove the air supply before performing the following steps. Slide the collar back towards the chisel holder and slide the chisel hex end into the chisel holder and release the collar to lock the chisel in place.
- Clean tool daily and keep it lubricated. After 100 hours of use, flush tool with solvent to clean old/dirt build up.
- To lubricate the ALR put 4-5 drops of light weight machine oil in the hose connector before connecting the air supply.
- Be sure the chisel is oriented correctly. When in the operating position the beveled edge should be facing up.
- Replace any damaged parts immediately. Use only genuine EDCO parts.
- All "O" rings should be inspected and replaced if air leakage or damage is detected. Be sure to lubricate all parts when reassembling the tool.



**EDCO Saws (KL-14, SK-14, SB-14, DS-18, SS-20, SS-24, SS-26, BB-14, GMS-20, MS-20, GMS-10, HHS-14, TMS-10, C-10)**



EDCO walk behind and self-propelled concrete saws are designed to cut flat, horizontal concrete or asphalt slabs using diamond saw blades. EDCO masonry and tile saws are designed to cut brick, pavers, stone and tile.

### Perform Pre-Start Check

- Inspect the work area for deck inserts, pipes, columns, openings, electrical outlets or any foreign objects within the slab. Personal injury and/or death can result from improper use. Damage to the blade and/or equipment can result from improper use.
- Visually inspect the entire machine for damage and wear. Look for signs of oil or fuel leaks. Remove excess dirt or debris. Check that all nuts, bolts and screws are tight. Check for proper alignment of moving parts, possible binding of moving parts, breakage of parts, loose mounting brackets and any other condition that might affect operation. Inspect diamond blades and arbor shafts. Check blades for cracks, loose segments, work or out of round arbor holes. Do not use warped, twisted, out of balance blades or any blade of questionable condition. Refer to *Rx for Diamond Blades*. Be sure the correct blade is installed based on RPM's, size and mounting arrangement.
- Perform all daily maintenance required. Be sure water tubes are functioning properly if performing wet-cutting operations.
- When loading or unloading this saw, use caution. Make sure rolling table (masonry/tile saws) is locked.
- Identify the electrical power requirements, the voltage requirements of the saw motor can be found on the motor data plate. Verify the power switch is in the off position before plugging machine into the power source.
- Do not reach underneath or around work piece while the blade is rotating. Keep stable footing at all times while cutting.

### Operating Instructions:

- Before starting: raise/move the saw blade clear of the working surface. The blade is raised using the depth control handwheel on walk behind and self propelled saws. To change the depth of the saw blade on a masonry/tile saw loosen the blade depth lock knob (if applicable) then adjust blade guard to desired location and then lock the blade depth knob.
- For gasoline/propane models: Consult the engine manufacturers operating instructions and follow the directions for starting and breaking in the engine. For electric models, be sure the off button is depressed, then connect power source with the connector provided. Be sure the equipment is properly grounded. For pneumatic models, be sure the "Whipchek" cable is properly installed and the flow control lever is in the off position. Adjust air to 90PSI (100PSI MAX).
- Start the engine and allow it to reach operating speed: Position the saw over the cutting line. Bring the engine to full speed. When the selected cutting depth is reached, lock the depth control handwheel and proceed the saw forward. Lower the blade into the working surface by slowly turning the depth control handwheel. NOTE: Do not allow the arbor flanges to contact the working surface. The saw blade must remain straight, do not twist and do not force the blade, the engine/motor should not strain. On walk behind and self-propelled saws the total cutting depth should be achieved in stepped increments of 1".
- For wet cutting: attach the water supply to the water valve. A flow rate of approximately 2 gallons per min is required. On models BB14E, HSS14, TMS10, GMS10 there is a outlet on the motor that is intended for the water pump ONLY.
- Do not let water pump run dry. The water tray must be kept clean; running dirty water through the system will cause damage.
- When draining water directly to the ground, this will cause a potentially serious working hazard including, but not limited to, risk of electric shock if using an electric motor.
- To stop the machine: Stop forward motion, throttle to idle. Turn the depth control handwheel to raise the blade clear of the cut (where applicable). Turn ignition/power switch off and let the engine/motor come to a complete stop. Turn off water supply.
- If the power source stalls in the cut raise the blade out of the cut. Disconnect the power source. Inspect the blade flange nuts to verify that they are still tight and inspect the blade for damage. Replace damaged(questionable) blade immediately.
- To maneuver the walk behind or self propelled saw: make sure the saw blade is raised high enough so it does not strike the working surface. Do not maneuver masonry/tile saws while the engine/motor is running.
- Never transport saw with the blade installed. Disconnect the power source when lifting or removing any guard.
- Do not use the E-Stop button as an on/off switch. If the ignition is left on, it will drain battery. Use in emergency situations.
- If while cutting using a self-propelled saw, the front wheels start to lift, reduce forward speed.



**EDCO Saws (KL-14, SK-14, SB-14, DS-18, SS-20, SS-24, SS-26, BB-14, GMS-20, MS-20, GMS-10, HHS-14, TMS-10, C-10) Continued**

**Maintenance Instructions:**

- Disconnect the machine from the power source before doing any maintenance. Remove the spark plug lead on gas engine models or disconnect the supply voltage connector on electric models, before performing any maintenance. All maintenance to be performed regularly by qualified personnel. Never work under saw without first placing chocks on the wheels and support device under the saw to prevent it from moving or falling. Always work on a flat and level surface.
- Inspect belts, check the belt tension; damaged, stretched or excessively worn belts should be replaced. Proper belt tension is required to transmit the engine power to the cutting blade.
- Perform a visual inspection of the entire machine before operation. Be sure all fasteners are tight and secure, check for signs of metal cracking or fatigue, inspect for damage to electrical wiring, damage to fuel lines, check bearings. Be sure the arbor shaft, backing plate and blade cap are clean and in good condition.
- Do not remove or lift the blade guard unless machine/blade is completely stopped and all power is disconnected. Be sure to reinstall blade guard before reconnecting the power source.
- To change blades: Make sure you have the proper blade. Determine the hardness and composition of the work piece, if there is any rebar present, desired depth of cut and the length of cut. If in doubt, contact the blade manufacturer. Inspect the blade before installing. Check diamond blades for cracks, loose segments and oversize, worn or out of round arbor holes. Do not use any questionable blade since serious personal injury and/or damage of property can result. Do not use warped, twisted or unbalanced blades. Unbalanced blades will wear excessively, vibrate and damage both arbor shaft and bearings. Do not use a blade without a drive hole. Look for *direction of rotation* markings on the new blade.
- To change blades: Lift/remove the blade guard to allow for clearance of the blade (not required on masonry/tile saws). On masonry/tile saws slide the rolling table all the way to the back of the machine and blade guard should be all the way up and tightened in to place. Unscrew arbor nut, then remove the blade retaining cap and washer. The blade should be free to remove. Be sure the arbor shaft, backing plate and blade cap are clean and in good condition. Make sure threads are clean and undamaged. The backing plate and blade cap should be the same diameter, do not use if they are different diameters.
- For safety reasons, EDCO does not recommend the use of any abrasive blades. Abrasive blades can break and cause serious personal injury to operator and/or bystanders. If abrasive blades are used by choice, use only reinforced abrasive blades. Never exceed the maximum operating speed of the blade. Be sure to match the blade speed rating with the arbor shaft speed on the machine. Never exceed the maximum operating speed of the blade.
- When hoisting a saw: always inspect frame and attaching hardware for damage before lifting. Only lift in locations that have a "lifting point" decal. Use proper and safe lifting techniques. Only use qualified straps/chains. Personal injury and or death could occur. Damage to the machine can occur if safe lifting techniques are not used.
- Electric masonry saws are shipped with a grounded, male plug attached to the machine. Use only 3 wire (single phase motors), 4 wire (three phase motors) grounded electrical cables that are marked U.L. and/or C.S.A. approved.
- Motor burnout due to improper voltage will void the warranty on the motor. Do not use if motor hums or if operating speed within a few seconds. Motor hum may mean: job site voltage too low, internal motor issue, belts too tight or blade jammed.

**Core Drill Rigs (36" & 48")**



**Operating Instructions:**

- When loading and unloading the drill, use caution. Make sure carriage is locked so that the bit will not be damaged. Do not move the drill while the motor is running.
- 15 inches of Mercury (Hg) should be maintained before drilling operation starts on models equipped with vacuum.
- Ensure amp meter gauge is below max rating of the motor. Keep drill motor running while backing bit out of hole.

**Maintenance Instructions:**

- Electrical control box - after constant use, wires may loosen. (Do not work on the electrical box unless it is unplugged from the power source). Tighten and replace as needed.
- Periodically check all bolts and fasteners to insure tightness. Replace as needed. When not in use, remove drill bit from drill motor to prevent rust from forming and "freezing" between drill bit and drill motor mounting threads.
- Motors and vacuum pumps are warranted and supported by manufacturers other than EDCO.



### EDCO Power Trowels (Standard, Variable Speed, Reduced Speed)

#### Operating Instructions:

- Keep hands and feet way from moving blades. Never allow a person to act as a weight for this machine. Death or serious injury can result from the moving parts of the trowel.
- Before starting: verify the correct blades for the job have been chosen and that they are properly installed. Inspect the blades carefully for damage. Be certain the blade path is free of obstructions and the area is clear for operation. Visually inspect the trowel, check that all fasteners are secure and mechanical parts are in proper working order.
- EDCO power trowels are shipped with a twistlock, grounded, male plug attached to the machine and female mating connector which a qualified licensed electrician should attach a user-supplied extension cord. Verify the extension cord is sized appropriately for the electrical load and it is properly grounded. Voltage requirements are listed on the motor data plate.
- Verify power switch is in OFF position before plugging machine into power source. After checking that blades are free from obstructions and machine is in position, firmly hold trowel handle with one hand and switch on the power with the other.
- On variable speed trowels do not use the speed control knob to shut off the trowel because the trowel will still be energized and may be inadvertently activated causing serious bodily injury and damage to the equipment.
- For epoxy trowel setups it is recommended that the blades be rotating before moving onto the epoxy surface.
- Unplug the motor before transporting the trowel. Before lifting inspect that all hardware and bolts are securely fastened. When lifting the trowel, use proper lifting equipment and techniques. Never lift the trowel over areas where people are present. Should any parts of the trowel fall off or should the trowel itself fall while lifted, serious injury or death could occur.

#### Maintenance Instructions:

- Before performing any maintenance be sure to disconnect the machine from the power source by unplugging the supply voltage connect at the machine. Be sure equipment is supported securely when performing maintenance. Always work on a flat level surface. All maintenance must be performed regularly by qualified personnel.
- Extremely important: Blades must be replaced as a set. Clean the entire trowel, blades and adapters thoroughly after use. The blade can usually be cleaned with a high pressure hose and water while the concrete is still wet.
- Inspect belts before operation. Belt tension must be done with the clutch in the engaged position. Verify the sheaves are aligned properly.

### EDCO Vacuum Systems (VAC-200, VAC-290, VAC-300)

#### Operating Instructions:

- Before starting: pull up on the foot lever to release the dustpan. Check that the dustpan is completely empty then replace.
- Standard EDCO VAC machines are designed for intermittent use, i.e. not more than 2 hours continuously. If you are unsure about your application requirements consult your EDCO representative.
- Machines equipped with a reverse pulse module must always be supplied adequately when the machine is on. The module is controlled by an electrical sequential timer (requires 110 volt power supply) or differential pressure switch. The module itself requires a source of compressed air of 90 PSI at 2-4 CFM (depending on model).
- Machines equipped with motorized shakers must be supplied with three phase, 230-460 volt power supply when the machine is on. Shaker is controlled by an electrical sequential timer (requires 110 volt power supply) or differential pressure switch.
- The electrical service at the installation site must supply voltage stamped on the machines serial tag. Operating at an incorrect voltage may damage the machine. A qualified electrician should perform all wiring and or electrical adjustments.
- Do not operate gasoline vacuums if there is a fuel leak.
- All HEPA filter machines are equipped with a differential pressure gage. The gage measures the pressure above against the pressure below the filter, thereby measuring the restriction of airflow due to contamination. HEPA filters should be replaced when the gage consistently measures 4 inches W.C.

#### Maintenance Instructions:

- A dust respirator should be used when working with used filters. Disconnect the machine from the power source before and during inspection and/or maintenance.
- To inspect the filters: Turn machine off, knock material off the filter, release the dustpan, lock the rear casters then tip the machine back onto handle. Remove any material between pleats (by hand only, objects may tear filter). Then replace.
- The presence of material on top of the filter or in the exhaust is often the result of a misaligned seal or damaged filter.
- The motor deck of this unit can be very heavy. Follow safe lifting procedures.
- Turbine maintenance should only be performed in an authorized shop designated by EDCO.



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