Parts Manual
823138
05/10/2011

OMEGA TECHNOLOGIES

Cleco®

SC-3A Series
Triple Scalers

SC	-	XXX

Tool Series
SC = Triple

Piston Type
3A = Steel
3AC = Carbide

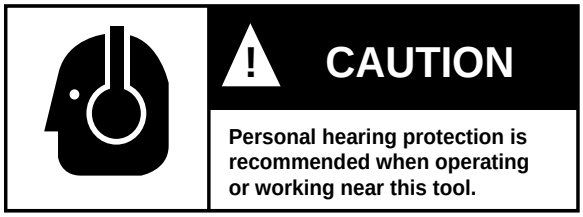
For additional product information visit our website at:
https://dotcotool.com/product-category/cleco-tools/cleco-specialty-tools/cleco-sc3a-series-triple-scaler/

Safety Recommendations

For your safety and the safety of others, read and understand the safety recommendations before operating any percussion tool.

Always wear protective equipment and clothing.

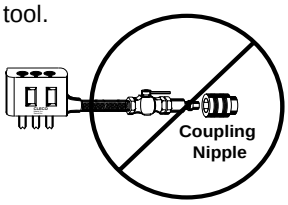
For additional information on eye protection, refer to Federal OSHA Regulations, 29 CFR, Section 1910.133, Eye and Face Protection, and ANSI Z87.1, Occupational and Educational Eye and Face Protection. This standard is available from the American National Standards Institute, Inc., 11 West 42nd Street, New York, NY 10036.



Hearing protection is recommended in high noise areas (above 85 dBA). Close proximity of additional tools, reflective surfaces, process noises, and resonant structures can substantially contribute to the sound level experienced by the operator. For additional information on hearing protection, refer to Federal OSHA Regulations, 29 CFR, Section 1910.95, Occupational Noise Exposure, and American National Standards Institute, ANSI S12.6, Hearing Protectors.

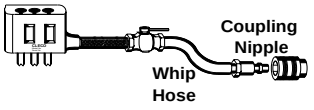
Gloves and other protective clothing should be worn as required. Properly fitted gloves cushion vibration and protect the fingers from pinching, scuffing and scraping and must be used when guiding the chisel on a workpiece.

Cleco percussion tools are designed to operate on 90 psig (6.2 bar) maximum air pressure. Excessive air pressure can damage the plunger and increases sound levels. Installation of a filter-regulator-lubricator in the air supply line ahead of the tool is highly recommended. Before the tool is connected to the air supply, check the throttle for proper operation (i.e., throttle moves freely and returns to closed position). Being careful not to endanger adjacent personnel, clear the air hose of accumulated dust and moisture. Attachment of a quick-disconnect air coupling directly to the inlet threads of a percussion tool can cause wear and failure of the coupling. Should the coupling fail, severe injury can result from the hose end violently whipping about. If a quick-disconnect air coupling is used, separate the coupling from the tool with a whip hose (1.5 feet minimum). Only use a whip hose with fittings of hardened steel or other material which is at least comparably resistant to shock. Do not use hose to lift or lower tool.



Quick Disconnect Coupling

Do not use!

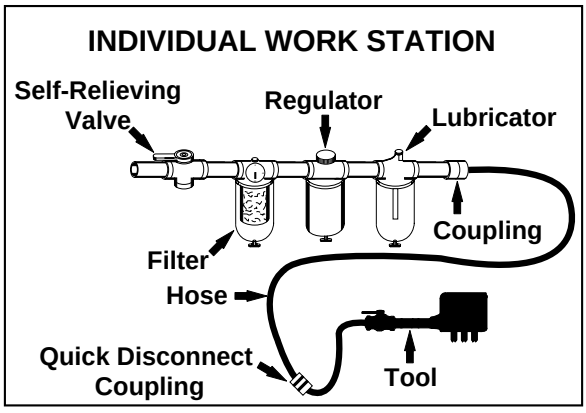


Quick Disconnect Coupling

OK

WARNING Visually inspect the cutting tips for cracks before use. Destroy and discard any piston that shows a crack.

Before removing a tool from service, after completing a job, or changing chisels or other bits, make sure the air line is shut off and drained of air. This will prevent the tool from operating if the throttle is accidently engaged. Use of a self-relieving valve within reach of the user of the tool is highly recommended.



Safety Recommendations

Do not operate or trigger any percussion tool unless the chisel, scaling tool, rivet set, or other implement is in the tool and in contact with the workpiece or worksurface. Never point any percussion tool in the direction of another person or yourself, or deliberately eject a chisel. Failure to do so can cause serious injury and/or damage the tool.

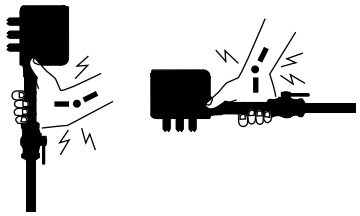
WARNING

Repetitive work motions and/or vibration may cause injury to hands and arms.
Use minimum hand grip force.
Keep body and hands warm and dry.
Avoid anything that inhibits blood circulation.
Avoid continuous vibration exposure.
Keep wrists straight.
Avoid repeated bending of wrists and hands.

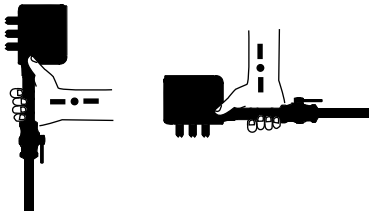
Some individuals may be susceptible to disorders of the hands and arms when performing tasks consisting of highly repetitive motions and/or exposure to extended vibration. Cumulative trauma disorders such as carpal tunnel syndrome and tendonitis may be caused or aggravated by repetitious, forceful exertions of the hands and arms. Vibration may contribute to a condition called Raynaud's Syndrome. These disorders develop gradually over periods of weeks, months, and years. It is presently unknown to what extent exposure to vibrations or repetitive motions may contribute to the disorders. Hereditary factors, vasculatory or circulatory problems, exposure to cold and dampness, diet, smoking and work practices are thought to contribute to the conditions. Any user suffering prolonged symptoms of tingling, numbness, blanching of fingers, clumsiness or weakened grip, nocturnal pain in the hand, or any other disorder of the shoulders, arms, wrists, or fingers is advised to consult a physician. If it is determined that the symptoms are job related or aggravated by movements and postures dictated by the job design, it may be necessary for the employer to take steps to prevent further occurrences. These steps might include, but are not limited to, repositioning the workpiece or redesigning the workstation, reassigning workers to other jobs, rotating jobs, changing work pace, and/or changing the type of tool used so as to minimize stress on the operator. Some tasks may require more than one type of tool to obtain the optimum operator/tool/task relationship.

- **Tasks should be performed in such a manner that the wrists are maintained in a neutral position, which is not flexed, hyperextended, or turned side to side.**
- **Stressful postures should be avoided. Select a tool appropriate for the job and work location.**

BAD POSTURE



GOOD POSTURE



Work gloves with vibration reducing liners and wrist supports are available from some manufacturers of industrial work gloves. Tool wraps and grips are also available from a number of different manufacturers. These gloves, wraps, and wrist supports are designed to reduce and moderate the effects of extended vibration exposure and repetitive wrist trauma. Since they vary widely in design, material, thickness, vibration reduction, and wrist support qualities, it is recommended that the glove, tool wrap, or wrist support manufacturer be consulted for items designed for your specific application. **Proper fit of gloves is important. Improperly fitted gloves may restrict blood flow to the fingers and can substantially reduce grip strength.**

This information is a compilation of general safety practices obtained from various sources available at the date of production. However, our company does not represent that every acceptable safety practice is considered herein, or that abnormal or unusual circumstances may not warrant or require additional procedures. Your work may require additional specific safety procedures. Follow these procedures as required by your company. For more information, see the latest edition of ANSI B186.1, Safety Code for Portable Air Tools, available from the American National Standards Institute, Inc., 11 West 42nd Street, New York, NY 10036.

OPERATING INSTRUCTIONS

The SC-3A series scalers are designed to operate on 90 psig air pressure using a 3/8" I.D. hose up to 8' in length. If additional length is required, a 1/2" I.D. or large hose should be connected to the 3/8" hose.

The air hose should be cleared of accumulated dirt and moisture, then one-half (1/2) teaspoon of 10W machine oil should be poured into the tool's air inlet before connecting the hose to the tool.

HANDLE ATTACHMENT

The handle may be attached to the end of the body with plug 834054, in the side, or the handle may be attached to the side of the body in "T" fashion with plug 834054, in the end boss. Because of this construction, the tool is readily used in all types of corners and crevices as well as on flat surfaces.

Important: The handle should be checked after the first eight hours of operation and occasionally thereafter to make sure it is tight.

LUBRICATION

An automatic in-line filter-lubricator is recommended as it increases tool life and keeps the tool in sustained operation. The in-line lubricator should be regularly checked and filled with a good grade of 10W machine oil. Never use a heavy oil, as this will cause a loss of efficiency. Proper adjustment of the in-line lubricator is performed by placing a sheet of paper next to the exhaust ports and holding the throttle open for approximately 30 seconds. The lubricator is properly set when a light stain of oil collects on the paper. Excessive amounts of oil should be avoided.

If the operation of the scaler becomes sluggish or erratic, pour one teaspoon of kerosene into the air inlet and operate the tool for a few seconds. Lubricate the tool as explained above after flushing.

STORAGE

In the event that it becomes necessary to store the tool for an extended period of time (overnight, weekend, etc.), it should receive a generous amount of lubrication at that time and again when returned to service. Store the tool in a clean and dry environment. Alternatively, chippers and scalers may be put in a bucket of kerosene or light oil for extended periods of storage such as weekends or plant shutdowns.

SERVICE INSTRUCTIONS

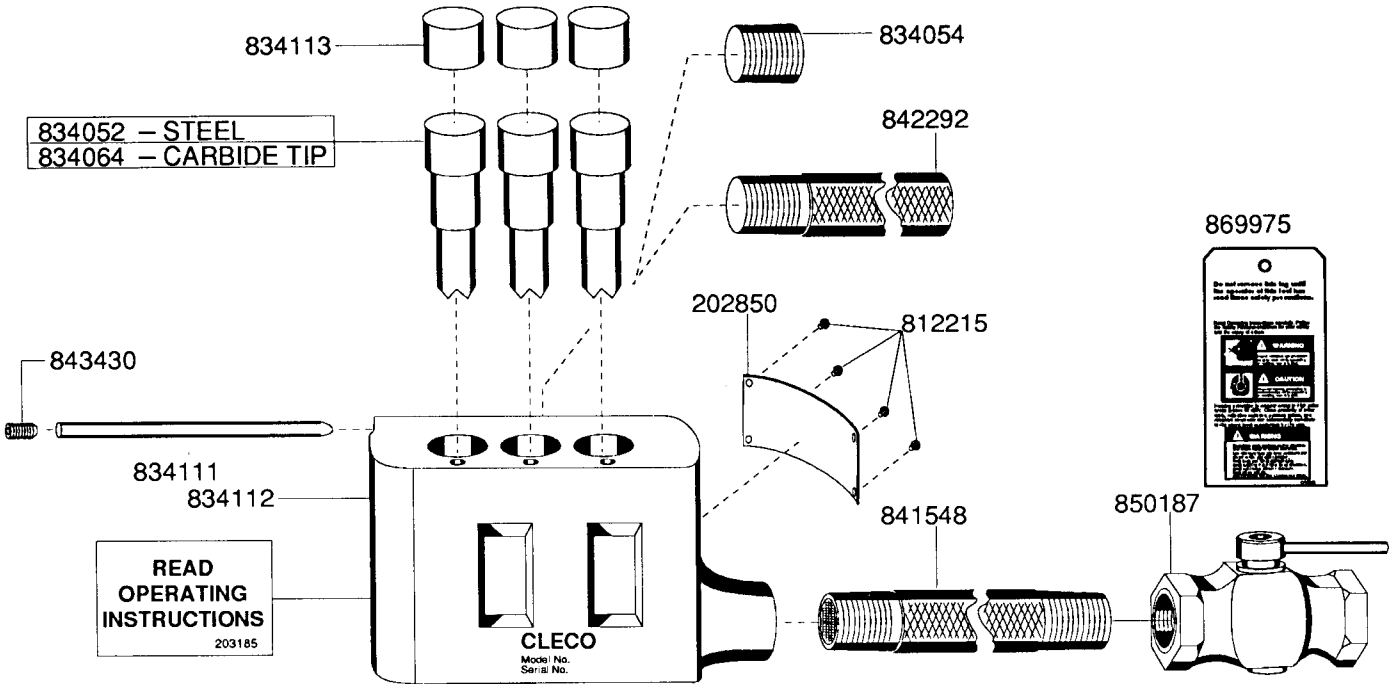
DISASSEMBLY

To replace worn or damaged chisel pistons, drive out the aluminum cap locking pin. This is a straight pin and can be removed from either direction. This releases the three rubber caps which can be removed by hammering on the end of the piston with a soft faced hammer.

REASSEMBLY

The tool is reassembled in the reversed order of disassembly. Wash all parts thoroughly in a solvent before reassembly. When reassembling the scaler, new rubber caps should be used. After the pistons have been assembled, the new rubber caps are then coated with soapy water and pressed into the hole, making sure that the tapered end is down. Also make certain that the holes in the rubber caps are in line with the holes in the body of the scaler.

Press the cap down until the cap locking pin will slip through the hole in the cap. Install the remaining two caps in this manner. The cap lock pin should be installed with the end that has a bevel on it first, so as to prevent damage to these rubber caps during assembly. It is not necessary to stake the pin in the body, as the rubber caps will keep it from coming loose. For long, trouble free service, the air screen should be cleaned periodically, the frequency of which depends upon the air supply. To clean the air screen, remove handle 841548, from the body. Wash the air screen in solvent and blow air through it in reverse of normal air flow.



PARTS LIST — SC-3A SERIES TRIPLE SCALER

PART NO.	NAME OF PART	QTY.
202850	Warning Tag	1
203185	Caution Label	1
812215	Drive Screw	4
834052	Piston (Steel)	3
834054	Pipe Plug (Large)	1
834064	Piston (Carbide Tip)	3
834111	Pin	1
834112	Body	1
834113	Rubber Cap	3
841548	Handle	1
842292	Dead Handle	1
843430	Pipe Plug (Small)	1
850187	Valve	1
869975	Yellow Warning Tag	1

NOTES

Sales & Service Centers

Note: All locations may not service all products. Please contact the nearest Sales & Service Center for the appropriate facility to handle your service requirements.

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Sales & Service Center
1470 Post & Paddock
Grand Prairie, TX 75050
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Fax: 972-641-9674

Detroit, MI
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Sales & Service Center
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