



CH7390 Ultra Driver

Auto feed Screwdriver

Instruction Manual

Congratulations on your purchase of a Muro Auto feeding Screwdriver! You have made an excellent choice. Muro high quality tools and screws are the professional's choice of automatic feed screwgun systems. Muro tools provide the successful builder and contractor the ability to give their customers the great advantages of screws with fantastic speed and convenience.

IF YOU HAVE ANY QUESTIONS OR COMMENTS ABOUT THIS OR
ANY OTHER MURU TOOL, CALL US TOLL FREE AT 1-800-665-6876

Muro tools are of high quality and are easy to use, but proper operating procedures are required for maximum efficiency and satisfaction. Please take a few minutes to read the operational guide and safety instructions.

General Safety Rules

WARNING:

Read and understand all instructions.

Failure to follow all instructions listed below may result in electric shock,
fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

- *Keep your work area clean and well lit. Dark areas invite accidents.*
- *Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.*
- *Power tools create sparks, which may ignite dust or fumes.*
- *Keep bystanders, children, and visitors away while operating a power tool.*
- *Grounded tools must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances.*
- *Never remove the grounding prong or modify the plug in any way. Do not use any adaptor plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. If the tool should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user.*
- *Do not operate power tools under the influence of drugs, alcohol, or medication. A moment of inattention while operating a power tools may result in serious personal injury.*

- **Dress properly. Keep your hair, clothing, and gloves away from moving parts.** Loose clothing, jewelry, or long hair can be caught in moving parts.
- **Avoid accidental starting. Be sure the switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in a tool that have the switch on invites an accident.
- **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.
- **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard-hat, or hearing protection must be used for appropriate conditions.
- **Do not use the tool if the switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
- **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.** These preventative safety measures reduce the risk of starting the tool accidentally.
- **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Do not abuse the cord.** Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
- **When operating a power tool outside, use an outdoor extension cord marked WA 'br W."** These cords are rated to outdoor use and reduce the risk of electric shock. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The smaller the gage number, the heavier the cord.
- **Do not touch any metal part of the tool when drilling or driving into walls, floors or wherever live electrical wires may be encountered.** Hold the tool only by insulated grasping handles to prevent electric shock if you drill or drive into a live wire.

TOOL USE AND CARE, PERSONAL SAFETY

- **Use clamps or another practical way to secure and support the work to a stable platform.** Holding the work by hand or against your body is unstable and may lead to a loss of control.
- **Do not force the tool. Use the correct tool for your application.** The correct tool will do the job better and safer if used at rate for which it is designed.
- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use the tool while tired.**
- **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.

- *Maintain tools, keep them clean.*
- *Do NOT attempt to insert a cutting knife with your fingers, as you will cut yourself with the razor sharp edges of these blades. Use needle nose pliers to insert and remove blades.*
- *Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using. Poorly maintained tools cause many accidents.*
- *Use only accessories and screws that are recommended by Muro for your model. Accessories that may be suitable for one tool, may become hazardous when used on another tool.*
- *Keep your tool clean; remove dust and dirt by vacuuming or carefully blowing out regularly. Other tool service must be performed only by qualified repair personnel: Service or maintenance performed by unqualified personnel could result in a risk of injury. Use of unauthorized parts or failure to follow these Instructions may create a risk of electric shock or injury.*

Additional Safety Rules

Hold tool by insulated gripping surfaces when performing an operation where the screws may contact hidden wiring or its own cord. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator if in contact. Keep handles in good condition, dry, clean, free from oil and grease. It is recommended to use rubber gloves; this will enable better control and safety. Replace handle grips if worn.

DO NOT TOUCH ANY METAL PARTS OF THE TOOL when drilling or driving into walls, floors or wherever live electrical wires may be encountered. Hold the tool only by insulated grasping surfaces to prevent electric shock if you drill or drive into a live wire.

CH7390 Operating Instructions.

The CH7390 Ultra Driver will fit many of the popular screwgun/screwdriver tools with a depth sensitive clutch. The CH7390 is attached to a screwgun by using the adaptor for the specific brand and model of screwgun. Highly recommended for 2 ½ and 3 inch fasteners and general-purpose use is the Makita 2200 "quiet clutch" duty framing/deck screwgun. The DeWalt DW276 Heavy duty framing/deck screwgun is also highly recommended. They are geared for the high torque requirements of longer screws or harder wood. In very soft wood and with short screws or for drywall applications the higher speed models may be preferable such as the Makita 4200, Porter Cable 6640 or the DeWalt 274.

Attach the adaptor to your screwgun screwdriver carefully using the instruction sheet that comes with the adaptor. Make sure internal clutch pins and springs are placed back together properly to prevent damage.

Ensure the socket assembly is seated fully into the screwgun per figure 1.



Fig1

Next put a bit into the adaptor socket. Pull back the sleeve toward the motor, which allows the bit to be inserted or withdrawn. Release the sleeve after inserting bit, sleeve will return, bit will now be locked into the adaptor. Wiggling the bit will result in a small amount of movement, which is normal.



Fig 2



Fig 3

The clamping ring must be rotated until it is almost all the way unclamped (Fig 4) before inserting onto the adaptor.

Insert the Bit into the CH7390 and slide the adaptor into tool until seated and **lightly** tighten the clamp ring.



Fig 4



Fig 5



Fig 6

Do not over tighten the clamp ring. Light hand tighten only.

Loading Screws

Ensure the screws are loaded into the CH7390 with the plastic strip facing out, ***(use the screw diagram on the side of the nosepiece)***, and push the strip so the first screw clicks fully into the barrel. Note that the screws will only work when inserted in one direction. The longer end of the plastic strip generally is inserted first. The plastic strip should be able to be centered in the exit guide. If it is tight on the top or the bottom, feeding may be impaired.

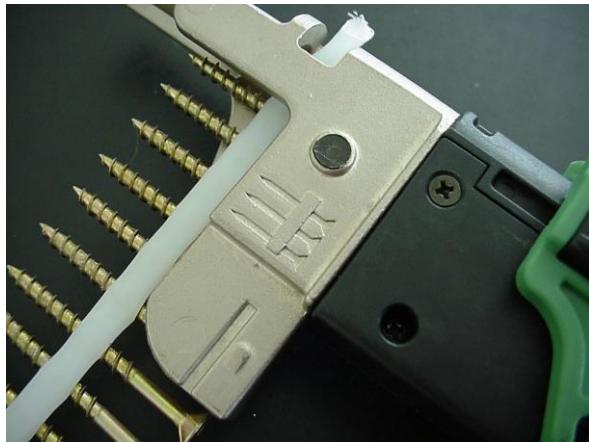


Fig 7

Driving Screws

To Drive screws: Be sure the screw gun is in forward. Turn the motor on and ***use the trigger lock to lock it in the on position.*** In most cases it is best to have the CH7390 oriented so that screws feed in from your left side. Position yourself to operate the tool and ***firmly push all the way down until you hear the clutch disengage.*** ***Lift completely clear of the surface*** and position yourself for the next screw operation. ***Firm pressure is required to keep the bit correctly engaged with the screw.*** Do not yield pressure until you hear the clutch release. ***If a screw hits an obstruction or difficulty occurs when a screw is driven, lift and check that the screws are properly inserted before attempting to drive another screw.***

For best results keep your CH7390 Ultra Driver Clean and free of dirt and debris for smooth operation. Blow out or vacuum frequently.

Adjusting the screw depth

With the screwdriver pointing down, turning the adjusting wheel counter-clockwise sinks the screw heads deeper; turning it clockwise reduces the depth of the screw head 2mm (.08in) per full turn.



Fig 8



Fig 9

If you experience excessive bit wear

Replace the bit and try to apply more down pressure when driving screws. Next, check to see if the clutch on the power screwdriver/screwgun is working properly. Remove the CH7390 from the screwgun and turn on the screwgun. If the bit turns as soon as it is activated and the bit is not pushed in, then there is a problem with the clutch. The clutch may be worn or need repair, the bit holder should be spring-loaded outwards and smoothly operate when pushed inwards.

Removing a Strip of Screws or If a screw is jammed or stuck

Rotate the feed lever slightly and *hold down* the feed latch button to allow the feed latch to clear the screws. Wiggle the screws gently and withdraw the strip of screws.



Fig 10

Caution! Use of pliers, etc, may damage the feed lever! Ensure the feed latch is held out of the way as shown above Fig 10 when removing screws or unjamming. Ensure plastic strip is in good condition before replacing screws. Plastic segments holding screws should break clean, with one break per screw as screws are driven.

Marking of soft wood

The rubber nosepiece of the CH7390 Ultra Driver allows the tool to be used against most materials without damage to the surface, particularly wood and aluminum or many finished surfaces. Any slight crushing or marking of very soft wood may be raised by spraying the deck or areas with warm water and letting it dry before coating with preservative finishing.

Optional Extension Rod Handle

The optional extension handle (P/N VISRH909) can be added at any time. The extension rod handle should be configured at first to look like fig 11. To install: carefully remove the adaptor from the front of the screwgun. Be careful not to lose any internal (for example DW276 pin, spring, clutch plate) parts. Insert the screwgun into the front plate of the extension handle. Re-assemble the adaptor; ensuring internal parts are replaced properly. Align the plate so that the plate is perpendicular to the screwgun handle, and tighten adaptor. Then insert the screwgun with the front plate of the bracket **in front** of the main bracket and use the two M5 screws and the included Allen key wrench to tighten the front plate firmly onto the two bracket arms. See Fig 13.



Fig 11



Fig 12



Fig 13



Fig 14

In the configuration illustrated in Fig 14, the tool can be collapsed in length and put into the carrying bag completely assembled and ready to go! If other orientations of the handle are preferred, simply remove the handle (replacing the bolt and washer in the end for safe keeping or in the bit pouch) and put the handle inside of the carrying bag.

To adjust length of extension Handle

Loosen the extension handle knob by two turns and rap it sharply inwards to release it. Slide to a comfortable length and tighten. *Hint:* Tool must be lifted completely after each screw driven, try checking the height based on the bottom stroke of the tool as well as the top to determine the best adjustment for you.

Maintenance and Inspection of CH7390

For best results keep your CH7390 Ultra Driver Clean and Free of dirt and debris for smooth operation. Blow out or vacuum it after use. Built up dust and dirt may cause feeding problems. To clean the screwdriver, use a damp cloth or soap and water damped cloth, do not use thinners or gasoline or other solvents that would damage the unit, or fully immerse it in water which may cause rusting. Bits are consumable and must be replaced if worn badly, bits are specially designed for the Muro auto feed screwdriver. PN SQR28118 and Muro square drive screws will give the best service life. Worn out bits may cause poor countersinking or damage the screw heads.

Please record the following Required Information for the CH7390 Warranty

Date of Purchase	
Serial Number	
Dealer Name	
Dealer Address	
Dealer Phone #	

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