



## CH7260 Metal Pro Auto feed Screwdriver *Instruction Manual*



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

IF YOU HAVE ANY QUESTIONS OR COMMENTS ABOUT THIS OR ANY OTHER MURO 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.

**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 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.

**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 if this may occur; this will also enable better control

and safety. Replace handle grips if worn. Do not work in the rain or with tool wet with any liquid.

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

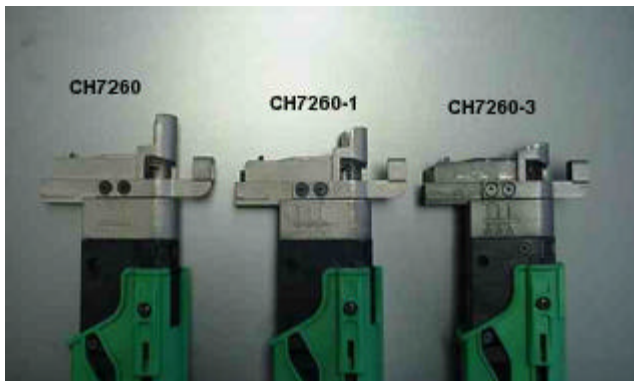
### **General Information**

The tool series is designed to drill 5/16 head Hex screws from 1/2 inch up to 1-1/2 inches long and a variety of “wood to metal” and “metal to wood” screws with head diameters of up to about 15/32 diameter with Square and some Phillips recesses. For metal applications, the screws must fit the bit quite well, so if bits get worn, replace them for best results. Muro North America Inc 1-800-665-6876 can provide a wide variety of screws to meet your volume screw requirements.

Magnetic bits are recommended for the CH7260 metal pro tool only if the tip of the screw is more than 3/8 of an inch from the metal being driven. For proper application, versions of the metal pro tool with a shortened screw guide or additional chip clearance are available to provide a custom tailored solution for your application (see CH7260 Series, page 13).

The MK6827 or HITACHI W8VB driver is recommended to work with the CH7260 Metal Pro attachment because they accept the hex bit directly. The 6827 torque adjustability is required to allow Hex fasteners to be reliably driven without strip out in thin materials. For thick (1/4”-1/2”) steel (Tek 4/5) applications the 1700-rpm HITACHI W8VB driver is recommended. Very thick steel (3/8”-1/2”) usually requires screws with milled sides for tapping as the tapping torque is high.

The Muro belt pouch provides a convenient way to carry a large number of strips around easily while using the tool. An optional stand up extension Rod handle attachment is available and can be added at any time.



Different Length Barrels for Volume Wood applications



Hex Tool – Chip clearance

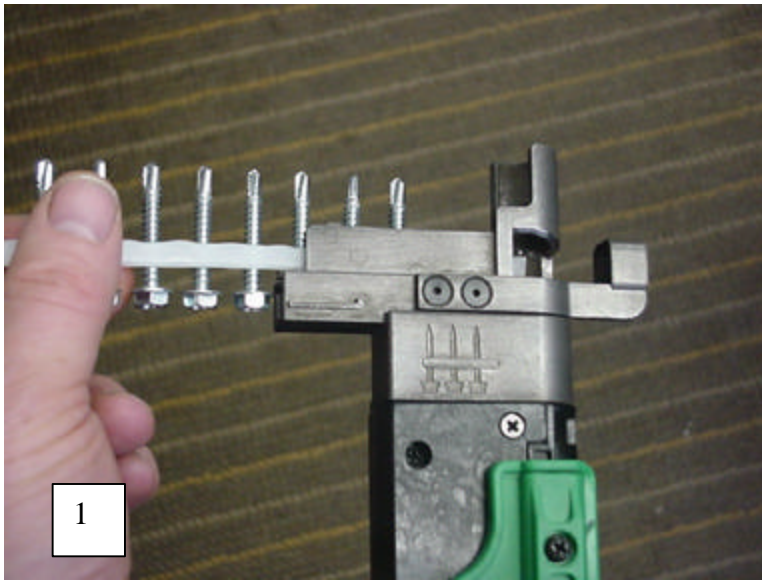
## Maintenance and Inspection of CH7260

For best results keep your CH7260 Metal Pro Clean and Free of dirt and debris for smooth operation. Inspect and Blow out or vacuum it after use. Built up dust and dirt may cause tool wear. To clean the tool, 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, bits are specially designed for the Muro auto feed system.

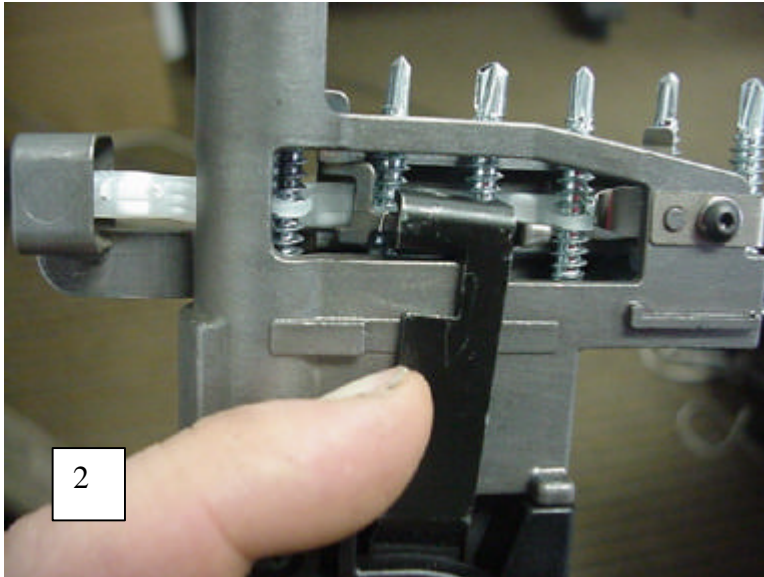
## Loading Screws in the CH7260 Metal Pro

Ensure that screws are loaded into the CH7260 with the Plastic strip facing outwards per the diagram on the side of the screwdriver. The strips must be inserted as shown to work properly i.e. **only one way works**, if inserted backwards, they will jam. Generally, the correct end of the strip will be longer. Check that the free end of the strip fits into the strip guide, **Latch (hook) the first screw with the feed latch** (Photo 2).

The strip guide supports the screw strip, assisting in keeping the screws in the correct position for pick up by the bit, particularly for the last screws to be driven. The strip spring acts to keep tension and a ratchet on the screw strip, also keeping the screws in the correct position.



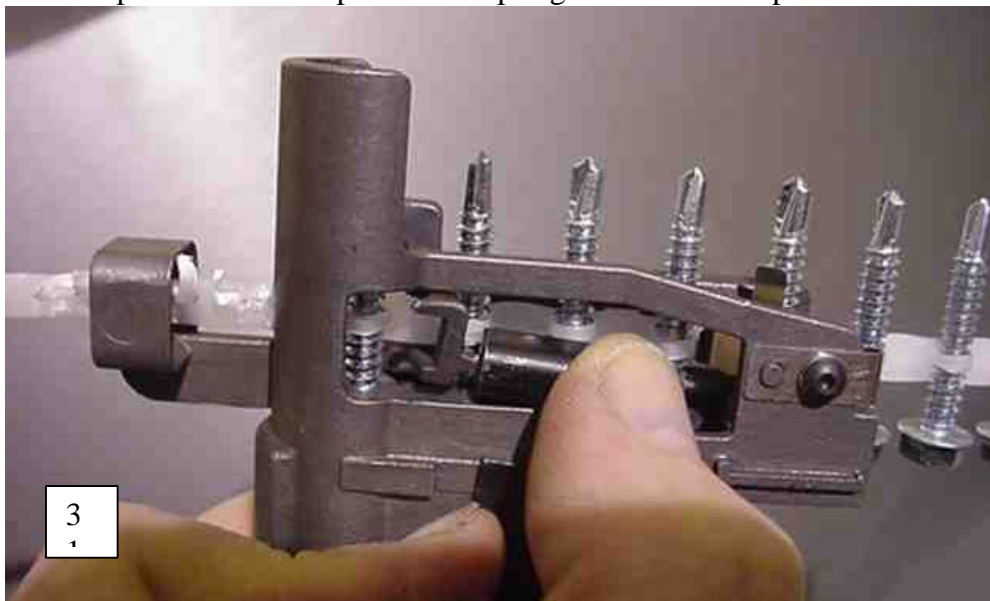
The strips must be inserted as shown to work properly i.e. **only one way works**, if inserted backwards, they will jam. Latch in the first screw.

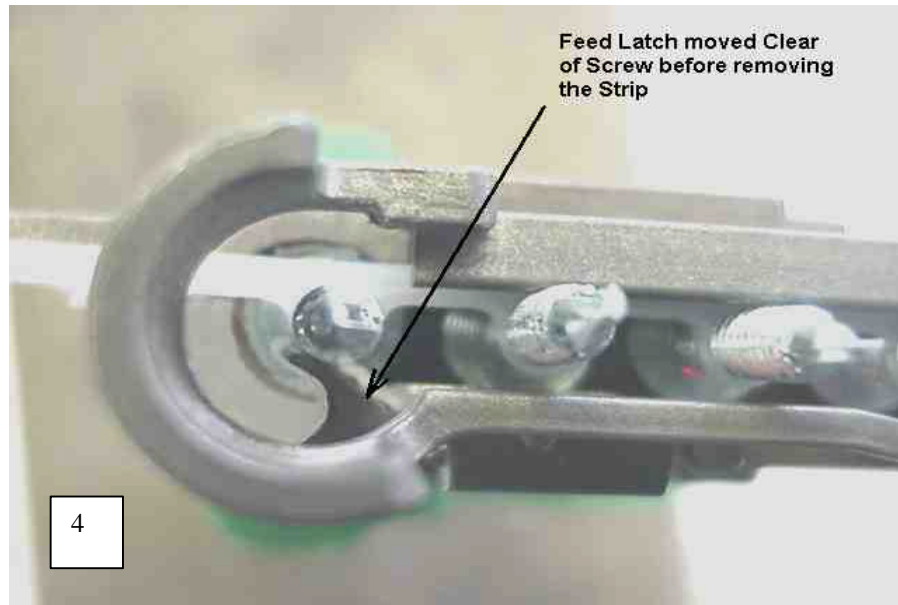


It should be noted that fasteners with large heads might not directly latch into the screw guide easily. If this happens, push the feed lever over with your finger while inserting the strip of screws to latch the first screw before using.

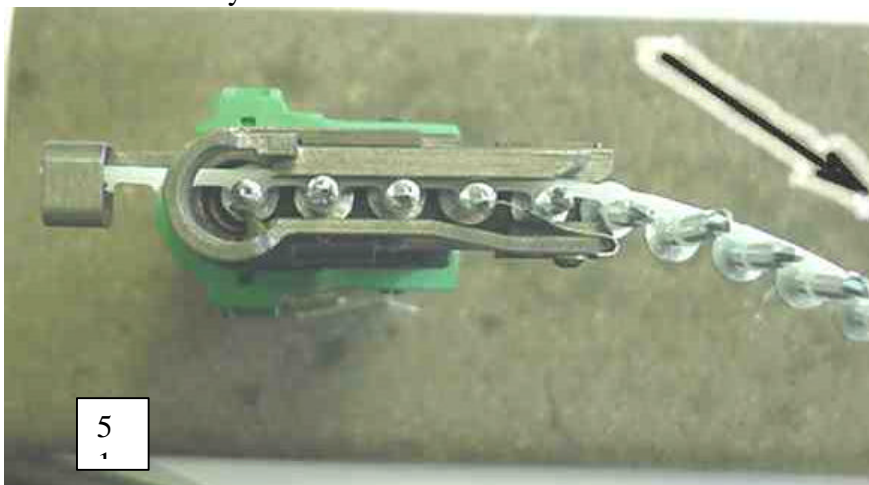
### **Removal of strips from Tool**

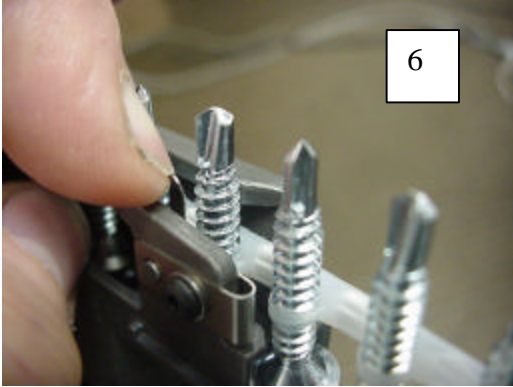
- 1) Move the feed lever over slightly, and then press on the end of the feed latch as in photo 3.
- 2) Move the feed lever back so it no longer centers the fastener as in Photo 4 and release the feed latch. This frees the screw from the feed latch.
- 3) Then, pull the strip towards you and then out of the tool as shown in Photo 5. This action will push over the strip tensioner spring to allow the strip to be removed easily.





After freeing the feed latch, pull the strip towards you and then out of the tool as shown in Photo 5. This action will push over the strip tensioner spring to allow the strip to be removed easily.





If difficulty is experienced, check that the strip is not stuck on the feed latch. The strip spring may be held back with one finger (photo 6), while the strip is removed. Wiggle the strip while withdrawing if required.

### **Driving Screws with the CH7260 Metal Pro Tool**

- 1) Ensure you have the correct screws for the job, use the correct screw and version of the tool for the application.
- 2) Check the motor direction switch is set to Forwards
- 3) If using a magnetic bit; check it frequently, preferably each time you load a strip and clean the bit when required.
- 4) Ensure the screws are loaded into the CH7260 with the plastic strip facing out, (use the screw diagram on the side of the nosepiece)
- 5) **Make sure the first screw to be driven is latched (hooked) by the feed latch** and is in position to be driven with the longer end of the plastic into the plastic guide.
- 6) Turn on the motor and use the trigger lock to lock it in the on position
- 7) Position yourself to operate the tool, ensuring that you have footing such that you will be able to push very firmly.
- 8) Push on the tool (if possible, watch to see screw is turning), increase force once the drill point of the fastener hits the metal, push firmly until you hear the clutch disengage and release. Firm pressure is a must for drilling self-drilling screws; do not yield pressure until you hear the clutch release (buzz) for ½ a second. Sparks, red-hot glow or unusual noises all indicate a possible problem. **If any problem occurs flip tool around and check the screws to ensure the screws are properly in position before pushing again.** *Attempting to drive a second screw with one still in the barrel will jam up the tool. If this type of jam does happen, push down on the nose or strip guide to provide more room to rotate the feed lever and move and hold the feed latch clear.* Clear the loose screw with needle nose pliers, (watch the feed latch!) and check the screws are correct before continuing.

## Driving screws with Adjustable Clutch - Tips

Factors affecting torque with self-drilling screws include: 1) Drilling speed 2) Drilling Torque required 3) Threading Torque required to thread 4) Head seating Torque to prevent breakage or stripping.

These factors vary with material thickness. Drilling speed must be lower for thick material due to heat buildup and wear of drill point. Threading torque increases with thickness. Head seating torque must be low enough to prevent fastener spin out or stripping, in thin to moderate thickness when the head seats. Over torque can break off heads.

The correct torque setting must be high enough to drill, thread and seat the fastener but low enough to prevent stripping or head breakage. This is quickly determined by listening to the sound of the tool in action. The clutch buzzes when the clutch releases, **this should occur for only ½ a second at the point when the screw seats down properly.**

If short buzzing intermittently is heard while driving but the screw still seats properly, the torque setting should be increased further. The clutch is releasing, probably while threading, which normally requires more torque than drilling.

If you drive a screw and no buzzing is heard on seating, the screw is probably spinning at the bottom and is stripping out the newly formed threads in the metal; reduce the clutch setting and try again. In very thin material <22 ga, using the depth control as well may be required for satisfactory results.

### Approximate settings for MK6827

<u>Thickness of Mild steel sheet</u>	<u>Approx. Torque Setting</u>
--------------------------------------	-------------------------------

.032 inches (20 ga) .....	1
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.072 inches (14 ga) .....	2.5
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.125 inches (10 ga) .....	4
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.190 inches (3/16) .....	5
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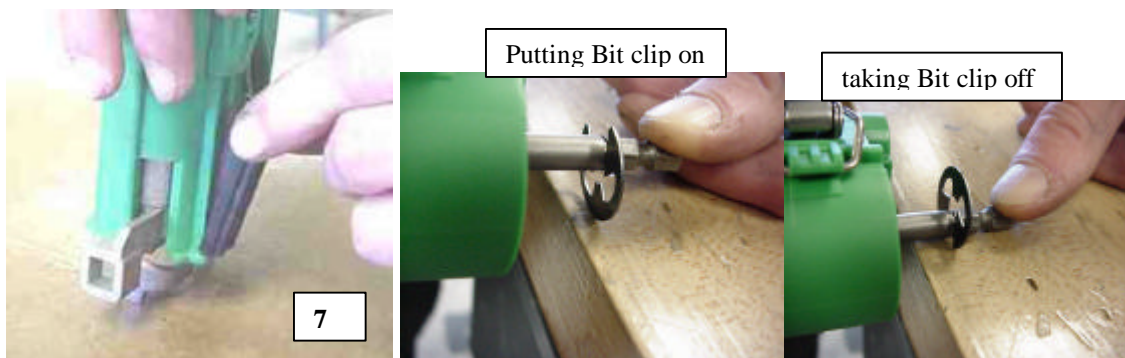
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¼ - 1/2 inch Aluminum (Tek 5 screw).....	5
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**(for thicker steel – use the HITACHI W8VB driver)**

## Changing the Hex Bit

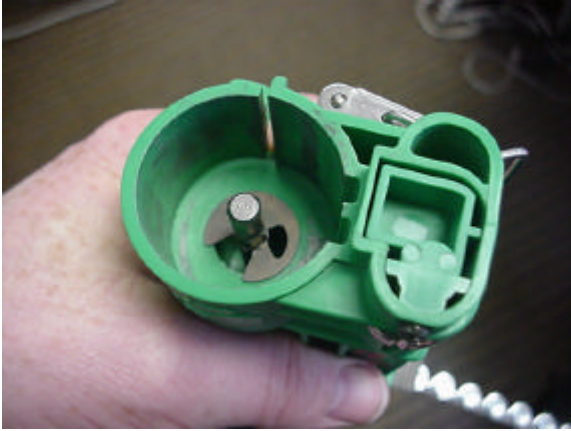
The Hex bits are designed for specific screw guns such as the MK6827/HITACHI W8VB screwdrivers. To change or insert the Hex bit, first cycle the tool against a table, use the Hex bit change tool to hold the tool in the fully actuated position, ensure it is secure and cannot spring out (Photo 7). Slide the Hex bit into the tool so that the shank sticks fully out of the bottom. The Bit-retaining clip can then be attached or removed. Place the clip in the groove and the clip against the edge of a table. Push slowly and firmly to engage clip. This clip is important as it prevents the hex bit from accidentally hitting the feed latch, as well as reducing problems if the bit happens to stick to a screw. Please insure that it always installed on the bit before use. Carefully cycle the tool against table again to remove the bit change tool to prevent damage.



**The Bit-Retaining clip is important as it prevents the hex bit from accidentally hitting the feed latch, as well as reducing problems if the bit happens to stick to a screw. Please insure that it always installed on the Hex bit before use. The adaptor assembly is only used with the Square and Phillips bits.**

*Changing the Hex Bit – Cont'd*



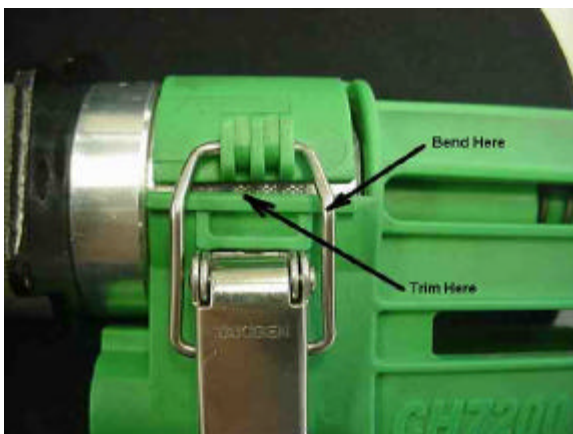


When the bit and clip are assembled into the CH7260, it may then be attached to the driver tool. Rotate the attachment to allow the small hex end of the bit to mate with the driver. Once mated, push the attachment fully onto the aluminum adaptor. Latch the hasp.



. (Tip: if more latching force is required after a period of use, the wire part of the hasp can be bent with pliers to re-tension the clasp. If very badly worn, the plastic sides may touch and some plastic must be removed from the metal clip side with a blade to provide clearance for clamping.)

For Wood applications set the screw gun torque to Max and set the starting depth control on the attachment to the middle of the adjust range and adjust attachment depth adjustment to suit.



Hex screws are normally seated using the torque control of the screw gun to prevent "stripping out" or fastener breakage. Set starting torque per chart and adjust torque until it seats consistently. The depth control on the attachment is set to "deep" to allow this per middle photo.

## General Safety Rules

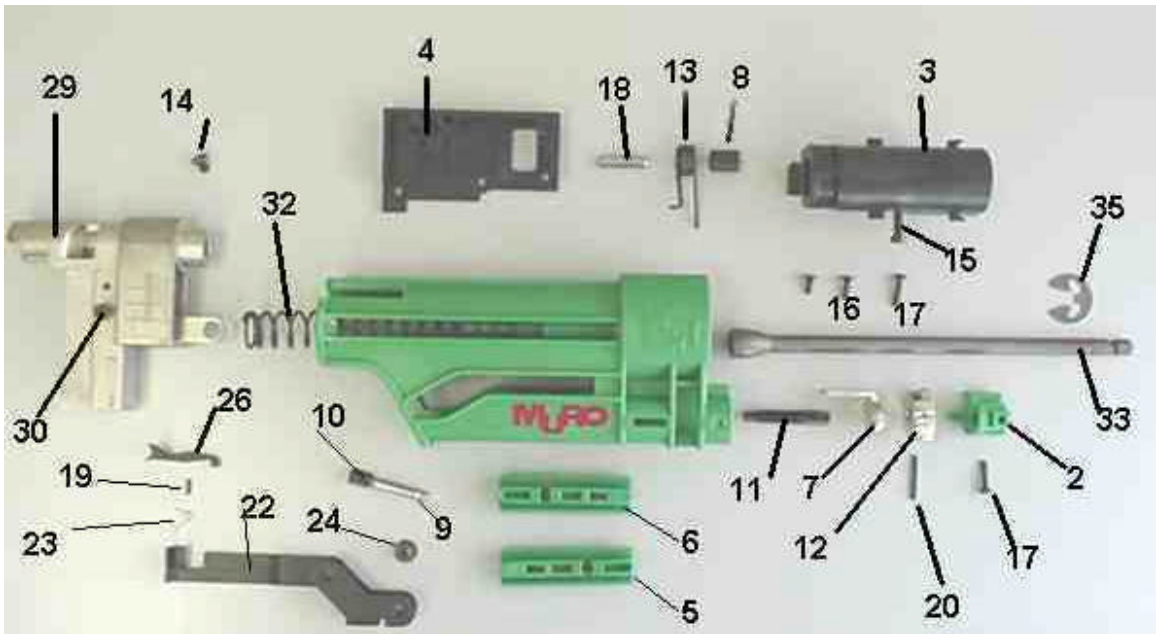
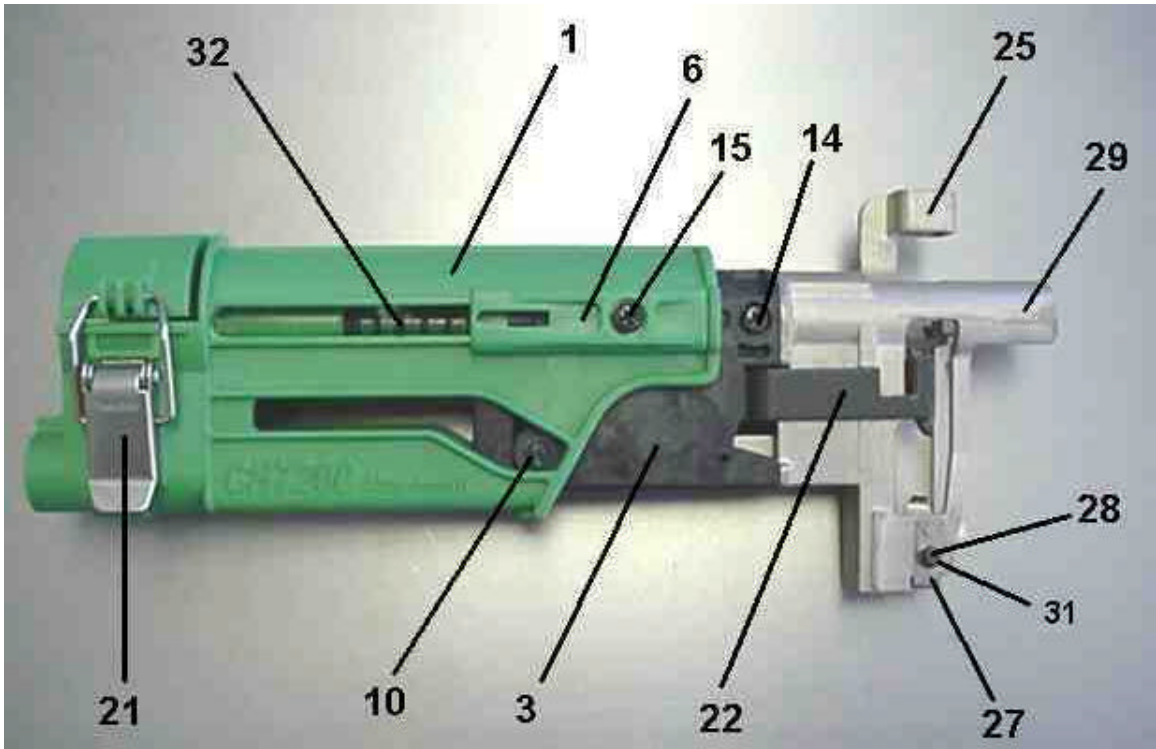
**WARNING: Read and understand all instructions.** Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

### 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 tool 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 " or "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.**
  
- ?? **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.



## **Parts List for CH7260 Metal Pro Auto Feed Screw Driver Attachment**

<b>Item</b>	<b>Part No.</b>	<b>Description</b>	<b>QTY</b>
1.	163-10011	Slide Flame	1
2.	163-10021	Adjusting Cover	1
3.	163-10031	Feeder Case	1
4.	163-10041	Feeder Cover	1
5.	163-10051	Slide Guide (L)	1
6.	163-10061	Slide Guide (R)	1
7.	163-10101	Stopper Plate for CH7260 (- blank)	1
8.	163-10110	Feed Lever Collar	1
9.	163-10120	Link Pin	1
10.	163-10130	Feed Roller	2
11.	163-10141	Adjusting Screw CH7200	1
12.	163-10150	Adjusting Dial	1
13.	163-10170	Feed Spring	1
14.	163-11010	Pan Head Machine Screw (M4x5)	1
15.	163-11020	Pan Head Machine Screw (M4x12)	3
16.	163-11030	Tapping Screw Pan (P tight) 3x6	1
17.	163-11060	Tapping Screw Flat Head (P tight) 3x10	2
18.	163-11070	Dowel Pin 5x20	1
19.	163-11080	Spring Pin A type 2x6	1
20.	163-11090	Spring Pin A type 2x18	1
21.	163-11100	Stainless Snap Fastener	1
22.	165-10200	Feed lever for CH7260	1
23.	170-10180	Latch Spring for CH tool	1
24.	170-11110	Flange Bushing for CH tool	2
25.	20-10401	Tape Support for CH7260	1
26.	20-10501	Feed latch for CH7260 Hex Tool	1
27.	20-10801	Strip control spring CH7260	1
28.	20-10901	Screw 4-40 x 1/8 Button Head Cap Screw	1
29.	20-11101	Screw Guide for CH7260 (-blank)	1
30.	20-11701	Screw 6-32 x 3/16 in long for CH7260	2
31.	20-11801	Washer 3mm x 6mm x .8mm steel CH7260	1
32.	20-10601	Extension Spring	1
33.	HEX56340	Hex bit (no Magnet)	1
34.	HEX56340M	Hex Bit with magnet	1
35.	20-11601	E clip for Hex bit	1
36.	SQR26000	Square bit for CH7260 tool	1
37.	PHL26000	Philips bit for CH7260 Tool	1
38.	163-11040	Tapping Screw Pan (P tight) 3x12	3
39.	Manual	Instruction Manual	1

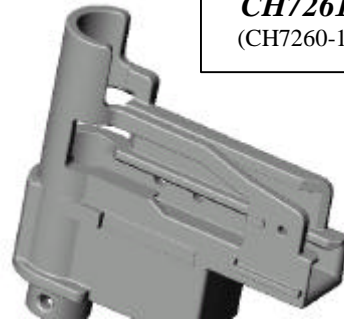
## **CH7260 Series**

options: -L (light spring for non-hex wall applications)  
-R (rubber for non marring applications)



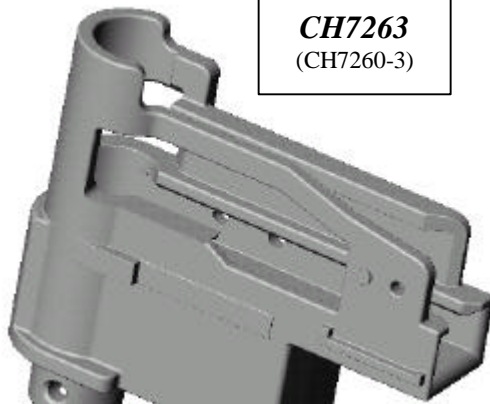
**CH7260**

Wood to Metal apps 1 1/4 to 1 1/2 Inches long – minimized marring also vertical wall hex apps where chips can fall clear.



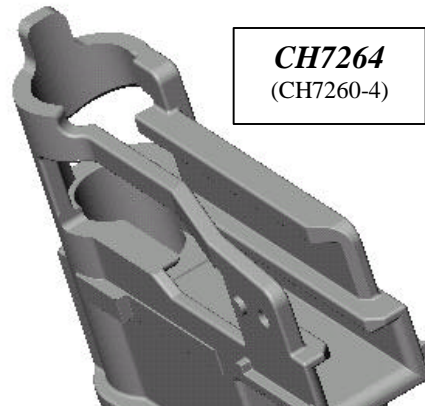
**CH7261**  
(CH7260-1)

Special Wood to Metal for dedicated 1 1/4 Inches (also vertical wall hex)



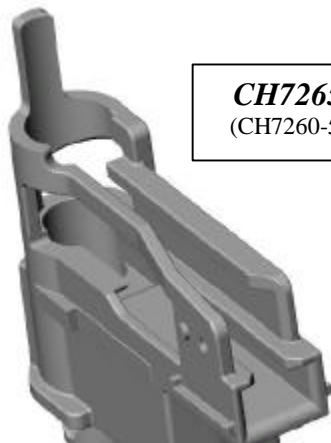
**CH7263**  
(CH7260-3)

Wood to Metal apps 3/4 to 1 Inches long – minimized marring (also vertical wall hex where chips can fall clear)



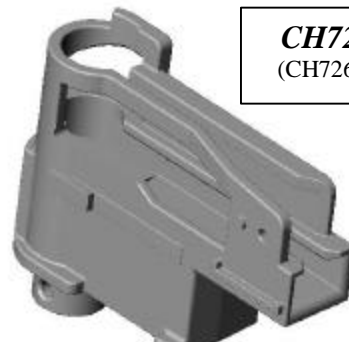
**CH7264**  
(CH7260-4)

Metal applications 3/4 to 1 Inches long with clearance for metal chips, Stitching, General Hex tool.



**CH7265**  
(CH7260-5)

Metal applications: 1 1/4 to 1 1/2 Inches long clearance for metal chips, decking, etc.



**CH7266**  
(CH7260-6)

Special Metal apps 1/2 to 3/4 Inches long, Clearance for metal chips

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