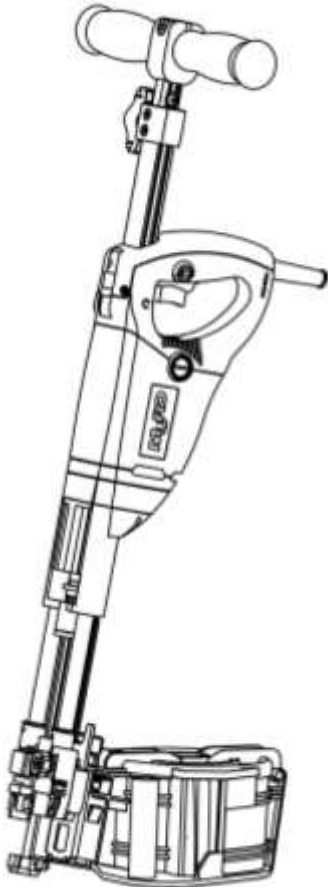




Auto Feed Screw Driving System

VISLIDER



VL42-FD

VL42-FL



Double Insulation

Instruction Manual

Thank you for purchasing, this Muro Auto Feed Screw Driving System, Vislider.

Please read this instruction manual carefully before use so you fully understand the proper use and safety features of this tool.

This manual should be kept in a safe place for future reference.

Table of Content Contents

	Page No
◇ General Power Tool Safety Warnings	- 2
◇ Safety Instructions for Use of Vislider	- 4
◇ Product Specifications	- 6
◇ List of Bits	- 6
◇ Part Names	- 7
◇ Assembling the Tool	- 8
◇ Tool Adjustments	- 12
◇ Driving Screws	- 13
◇ Maintenance and Inspection	- 15
◆ To prevent fire, electric shock, or injury, read all safety precautions carefully before use.	



Warning : A warning indicates the possibility that improper handling of this tool may cause injury or death to the user.



Caution : A caution indicates the possibility that improper handling may cause damage to the tool.

Note : A note indicates an important instruction for handling this tool.

General Power Tool Safety Warnings



Warning



WARNING Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area Safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **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 the dust or fumes.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) Electrical Safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way.**
Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.**
Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.
- g) **Hold power tool by insulated gripping surfaces, when performing an operation where the fastener 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.

3) Personal Safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.

Warning

- d) **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*
 - e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
 - f) **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** *Loose clothes, jewelry or long hair can be caught in moving parts.*
 - g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*
- 4) **Power tool use and care**
- a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
 - b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
 - c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
 - d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*
 - e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*
 - f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
 - g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Usage of the power tool for operating different from those intended could result in a hazardous situation.*
- 5) **Service**
- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*

About Double Insulation

Vislider is constructed of a double insulation structure for the safety of the user. The double insulation means that the cord and the outer frame are double insulated with two different types of insulation. This feature offers a superior level of safety against electrical shock. To maintain the double insulation safety feature, the following instructions must be observed:

- 1) If a Vislider part is replaced with a different part or Vislider is reassembled incorrectly, the double insulation structure may not be maintained and the safety of the product may be compromised.
- 2) The outer frame of Vislider is constructed of impact resistance resin to withstand the rigors of the job site. However, if it falls from a high elevation or is handled roughly, damage can occur.
- 3) Chlorine, solvents, gasoline, and paint thinners can degrade plastics. Do not use them on the Vislider.
- 4) Disassembling and reassembling the electrical system and replacement and/or repair of a part of Vislider should be requested from the shop where you purchased it or our sales office.

Safety Instructions for Use of Vislider



- 1) Do not use power tools for purposes other than the intended use described in their instruction manual.
- 2) Vislider should be used with the rated voltage indicated on the nameplate.
 - If this tool is used with a voltage higher than the rating, the motor may rotate at an excessively high rpm and become dangerous.
 - Conversely, if this tool is used with a voltage lower than the rating, it may reduce performance of the motor and cause a failure.
 - If something unusual occurs, turn off the power and unplug the Vislider from the outlet. Then consult the shop where you purchased this product or our sales office.
- 3) Power tools should be maintained carefully.
 - Oiling and replacement of accessories should be performed in accordance with their instruction manual.
 - The cord should be inspected periodically. If it is damaged, it should be replaced immediately.
 - Extension cords should be inspected periodically. If the cord is damaged, replace immediately.
 - The handle should always be kept dry and clean. Keep the handle from being soiled with oil or grease.
 - Be sure to hold the handle firmly while driving screws.
- 4) Materials that screws are being driven into should be firmly fixed.
 - Use a clamp or vice to hold the material firmly allowing you to hold the power tool with both hands.
- 5) If any of the following apply, turn off the power tool and unplug the cord.
 - The power tool is not being used or is in disrepair.
 - An accessory of the power tool is being replaced.
 - There is the possibility of danger.
- 6) Use an extension cord rated for outdoor use.
 When using the power tool outdoors, a cabtyre cable (or a cabtyre extension cable) should be used.

Minimum gage for cord sets

Volts	Total length of cord [feet]					
115V	0-82	85-164	167-328	331-492		
Ampere Rating	AWG (AMERICAN WIRE GAUGE)					
0 - 6	6	18	16	16	14	
- 10		18	16	16	12	
10 - 12	12	16	16	14	12	
- 16		14	12	12	Not Recommended	

- 7) Keep your hands and face away from rotating parts, such as the bit, screws, and the screw feeding mechanism while operating Vislider as it may cause injury.
- 8) Be sure to select the correct screws and a tool with an applicable rotating speed. Refer to the page 5 for details of product specifications.
 - The wrong combination of screws and rotating speed of the tool may overload the motor, which may result in damage or injury.
 - For details about the applicable tool for your screws, please see our website - www.muro.com, contact your dealer, or the Customer Service Department of MURO NORTH AMERICA INC..
- 9) Use only accessories and attachments specified in the manual.
 - Use of an unspecified accessory or attachment not prescribed in the manual or product catalog may cause accident or injury.



Warning

- 10) A repair of the power tool should be requested from a specialized shop.
 - The power tool complies with applicable safety standards. Never disassemble or modify the power tool.
 - Repair of the power tool must be requested from the shop where you purchased it.
 - Repair of the power tool by an unauthorized person may degrade the performance of the power tool. The repair may also cause injury or accident.



Caution

- 1) The bit and the rod handle must be installed in accordance with this instruction manual.
 - If the bit or the handle are not installed properly, they may detach and cause injury.
- 2) To prevent an accidental activation, be sure the power switch is off when plugging in the power cord.
- 3) Adjusting levers and knobs must be used properly and in accordance with this instruction manual.
 - If a lever or knob is operated improperly, it may cause an injury or accident.
- 4) The bit should be checked for wear or damage.
 - If a worn bit is worn, screws may not be driven properly. Check the bit for wear and tear before starting work and replace with a new one when necessary.
- 5) Do not touch the bit immediately after work as it may be very hot and cause a burn.
- 6) The tape cutter is attached to the end of the feeder block. Keep your fingers away from it.
 - It may cause an injury. For details, refer to page 13.
- 7) This tool is designed to stand by itself, however, be sure to place it in a safe and stable location.
 - It may cause an injury or damage the tool.

Product Specifications

The Vislider Auto Feed Screw Driving System is designed to provide excellent performance. Muro collated coil screws allow you to drive screws efficiently and safely on floor, deck and roof applications. Only Muro screws can be used in the Vislider. Not using Muro branded screws can damage the tool and **WILL** void the warranty.

Main Function		Model	VL42-FD	VL42-FL
		Specifications of the Muro Collated Screw Coil	Screw Length	
Thread Nominal Dia.			#6-#10 / 3.5-4.8mm	#10-#14 / 5.0-6.0mm
Screw Head Dia.			1/4"-3/8" / 7.0-9.0mm	3/8"-1/2" / 10-12mm
Total length			29-1/2" / 747mm	30" / 769mm
Weight			12-1/2 lbs. / 5.7kg	
Voltage			Single phase, 115V	
Frequency			50/60Hz	
Rated Load Current			5.2A	
Rated Power Consumption			600W	
Rated Time			30min.	
Power Cable			9"/2.8m	
Idling Speed **			1200 / 1800 / 2300 / 2800 / 3500 rpm	

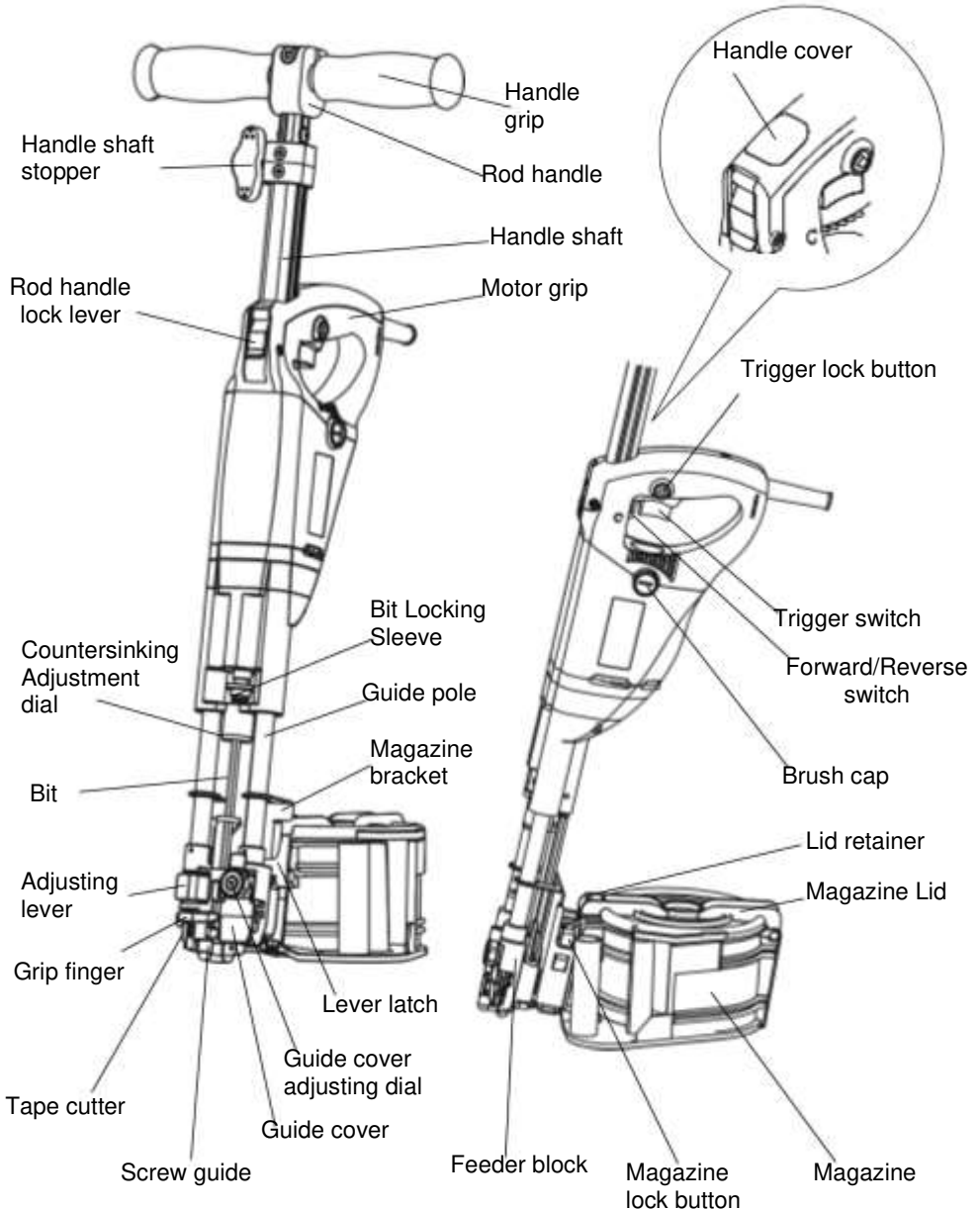
* Remove the magazine lid where screws of 3-1/8" - 4"(85-100 mm) in length are used. (See page 9)

**One tool one idling speed. The idling speed is specified per tool.

List of Bits

Type	No.	VL42-FD		VL42-FL	
		Length [inches]	Product Code	Length [inches]	Product Code
Philips	No.2	<small>STD</small> 7-1/4" <small>Accessory</small>	PHL27114	8-1/8"	PHL28118
	No.3			8-1/8"	PHL38118
Square	No.2	7-1/4"	SQR27114	8-1/8"	SQR28118
	No.3			<small>STD</small> 8-1/8" <small>Accessory</small>	SQR38118
Torx	T20	7-1/4"	TX207114	8-1/8"	TX208118
	T25	7-1/4"	TX257114	8-1/8"	TX258118
	T30			8-1/8"	TX308118
	T40			8-1/8"	TX408118

Part Names

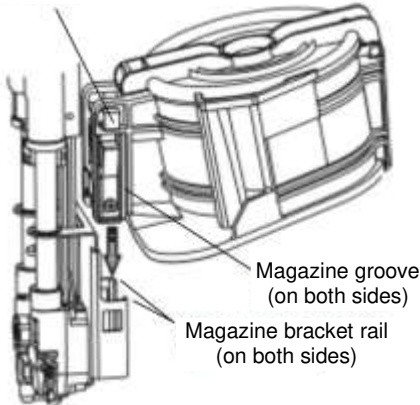


Assembling the Tool

Attachment and Detachment of Magazine

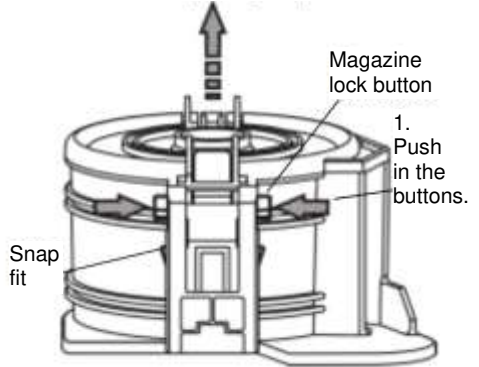
Attachment

Magazine lock button



Detachment

2. Remove the magazine by pulling it upward.



Preparation

Align the magazine grooves with the rails of the magazine bracket and slide the magazine into the bracket along the rails until the magazine lock buttons snap.

1. Push the magazine lock buttons inward until the snap fits are released from the magazine bracket.
2. Pull the magazine upward to remove it.

Opening/Closing of Magazine Lid

2. Open the lid.

Lid retainer

1. Pull the retainer

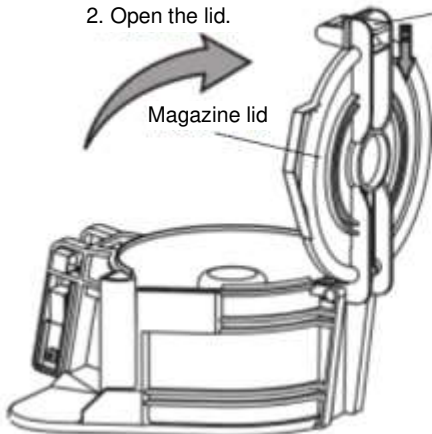
Magazine lid

Opening

1. Pull and hold the retainer of the magazine lid with a finger.
2. Open the lid by raising it.

Closing

Close the lid firmly until the retainer snaps on the magazine.

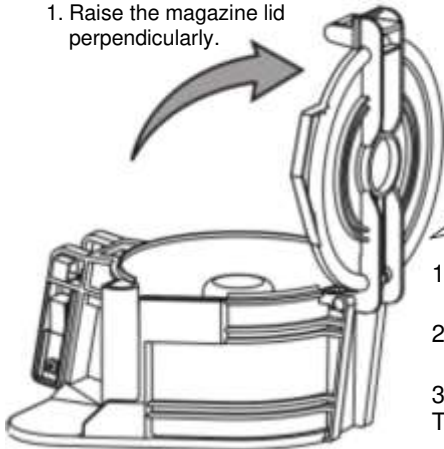


Attachment and Detachment of Magazine Lid

- * Where screws of 3-1/8" - 4" (85-100 mm) in length are used, the magazine lid cannot be closed firmly. In such cases, remove the magazine lid.

Detachment

1. Raise the magazine lid perpendicularly.



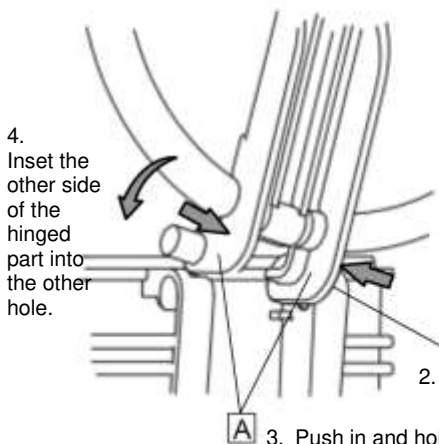
3. Detach the one side of the hinged part, then the other
2. Push Part A inward with the fingers.

1. Pull the lid stopper and raise the magazine lid perpendicularly. Hold the lid in the position.
2. Push both sides of the hinged part of the lid (Part A) inward.
3. Release one of Part A from the magazine. Then release the other and remove the lid.

Note: The detached magazine lid should be stored so that it will not be lost or broken.

Attachment

1. Hold the magazine lid perpendicularly.



1. Hold the magazine lid perpendicularly.
2. Insert the one side of the hinged part into the hole provided in the magazine.
3. Push both of Part A (the hinged part) inward.
4. Insert the other side of the hinged part into the other hole of the magazine.
- Then release Part A.

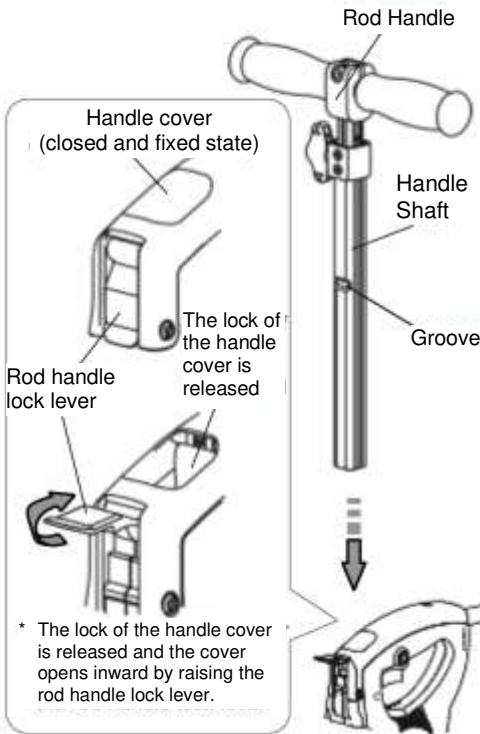
After attaching the lid, make sure that the lid opens/closes smoothly.

2. Insert the one side of the hinged part into the hole.
3. Push in and hold Part A.

Assembling the Tool

Attachment and Detachment of Rod Handle

Preparation



Attachment

1. Raise and hold the rod handle lock lever.
2. Turn the grooved side of the handle shaft toward the lock lever. Insert the handle shaft into the tool by pushing down.
3. Insert the handle shaft as far as it will go and push down on the lock lever.

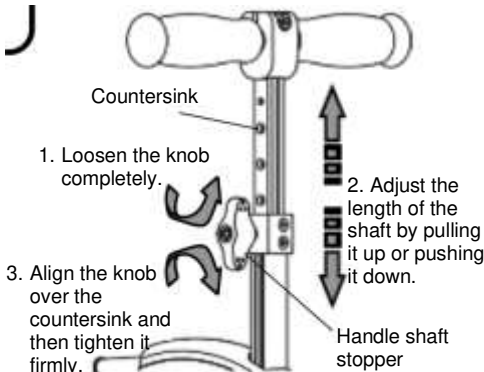
⚠ Caution

Make sure that the rod handle is fixed firmly by pulling it lightly.

Detachment

1. Lift up on the rod handle lock lever and pull out the handle shaft.
 2. Make sure that the handle cover closes completely. Then push down on the rod handle lock lever.
- * If the handle cover is half open, raise and lower the lock lever again to close the handle cover completely.

Adjustment of Rod Handle Length

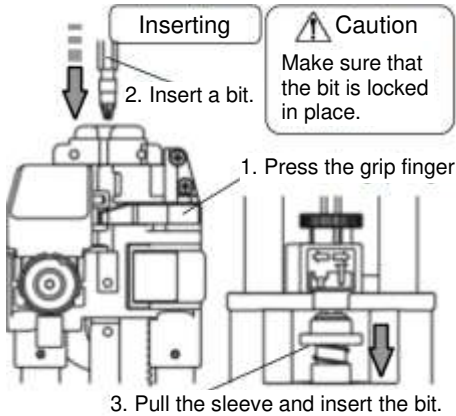


1. Loosen the handle shaft knob completely to adjust a length of the rod handle.
2. When the handle shaft is pulled up or pushed down it catches slightly and clicks at each countersink.
3. Align the knob over the countersink and tighten it firmly.

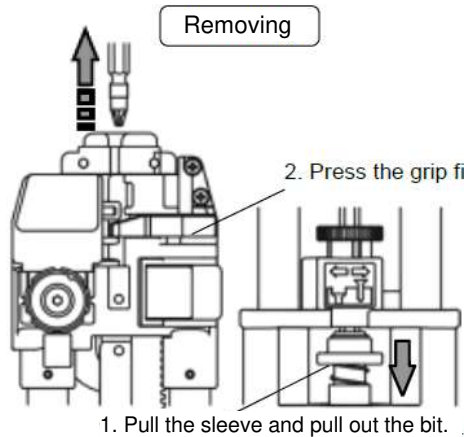
⚠ Caution

- The length of the rod handle should be adjusted with the handle attached to the tool. • If the knob is tightened at a misaligned position, the handle shaft may be damaged making it unusable.

Inserting or Removing the Bit

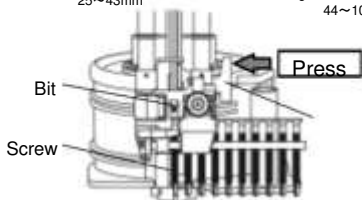
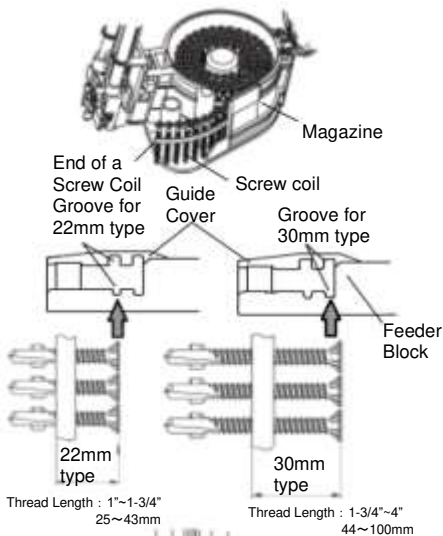


1. Press and hold the grip finger.
2. Insert a bit into the center hole of the feeder block.
3. Pull the sleeve and insert the bit as far as it will go and release the sleeve



1. Pull the sleeve and pull out the bit.
2. Hold the grip finger and pull the bit out from the center hole of the feeder block.

Loading the Muro Collated Screws

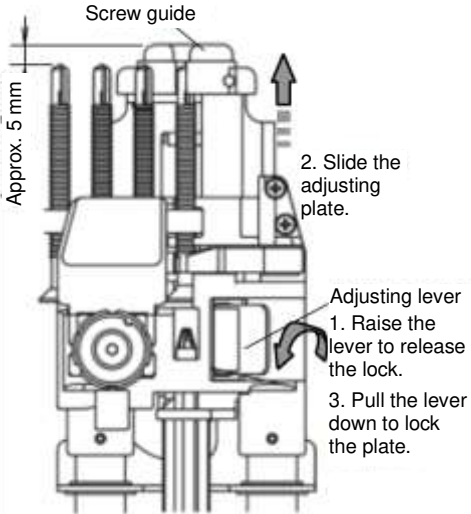


1. Pull the stopper of the magazine lid and open the lid. Get the coil of Muro collated screws, remove the elastic band. Place the coil of Muro collated screws with the heads of screws facing upward. Pull the end of the coil through the slot in the magazine and close the lid firmly. The Muro collated screw coils are classified into two types in accordance with the location of the plastic strip on the screw: 22-mm type and 30-mm type. Since positions of the screw heads are different per strip type, attention should be given when loading the Muro collated screw coil into the tool.
2. Insert the end of the Muro collated screw coil into the clearance between the feeder block and the guide cover until the first screw is positioned directly under the bit.
3. Press the upper of the lever latch to get the first screw fixed. Loading is completed.

* After loading the Muro collated screw coil, make sure that the Muro collated screw coil is set properly by pulling it lightly.

Tool Adjustments

The Adjusting Plate



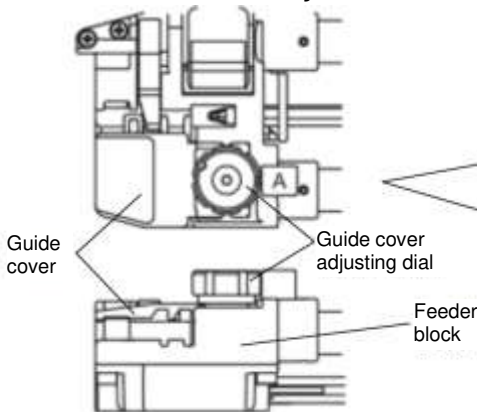
Set the position of the adjusting plate in accordance with the length of the screw.

1. Raise the adjusting lever to unlock the adjusting plate.
2. Slide the adjusting plate to a position where a distance from the bottom edge of the screw guide to the tips of the screws becomes approximately 5 mm. Then pull the lever down to lock the plate.

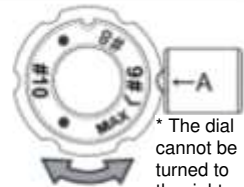
Caution

The adjusting plate is provided with a damper function so that it moves slowly - it is not unusual for this to feel a bit stiff. However, if the adjusting lever is released with the Vislider tool standing upright, the adjusting plate may slide quickly. Be careful not to pinch your fingers when adjusting the plate.

Adjustment of Guide Cover

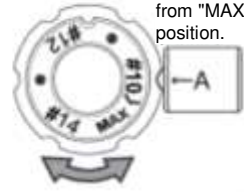


VL42
-FD



* The dial cannot be turned to the right from "MAX" position.

VL42
-FL



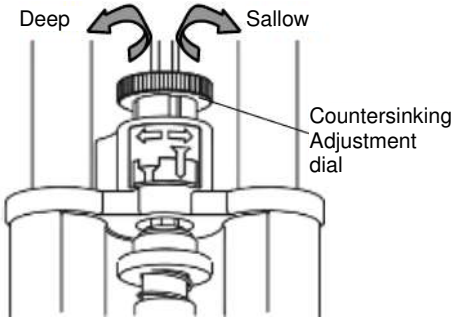
Adjust the guide cover in accordance with the screw diameter.

If the clearance between the guide cover and the feeder block is too narrow or too wide, the screws will not feed smoothly. The clearance is set to "MAX" as the factory default setting.

Adjust the clearance that is appropriate to the size of the screws as depicted by "A" above. If the screws do not feed smooth or the coil slips, adjust the clearance by turning the dial to the left or the right by as required. When the dial is turned by one revolution and returned to "MAX" position, the clearance between the guide cover and the feeder block returns to the maximum.

Driving Screws

Adjusting Countersinking Depth

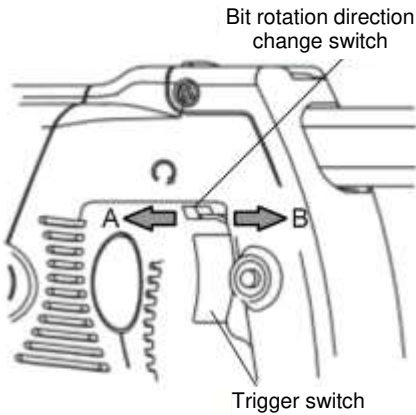


A screw driving depth can be adjusted by turning the screw driving depth-adjusting dial.

From the motor grip side
Screw driving depth adjusting dial
Right turn ... Shallow
Left turn ... Deep

The driving depth is changed 1.5 mm per one revolution. (0.375 mm per click)
Be sure the driving depth is appropriate by test driving a few screws.

Direction Switch Operation



Set the switch to A ... Forward direction
(The bit rotates to the right.)
Set the switch to B ... Reverse direction
(The bit rotates to the left.)

⚠ Caution

Be sure to confirm the bit rotation direction before use.

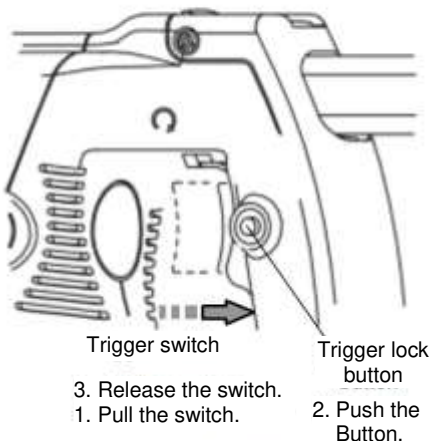
The bit rotation direction (forward/reverse) should only be changed after the motor stops completely. If the direction is changed while the motor is running, it may cause damage to the motor.

【Continuous Operation Mode】

1. Pull the trigger.
2. Push and hold the trigger lock button.
3. Release your finger from the trigger. The trigger will be locked and the continuous operation mode is set.

When the trigger is pulled, the motor rotates; however, the bit does not. Pushing down and pressing the bit into the screw recess causes the bit to rotate and drive the screw into the material.

Pulling the trigger again while the tool is running releases the trigger lock button. When your finger releases the trigger, the continuous operation stops



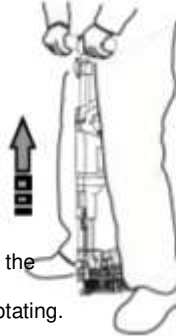
Driving Screws

1. Lock the trigger switch to put the tool into the continuous operation mode.

2. Press the tool down towards the material



3. Lift the tool up and the clutch disengages and the bit stops rotating.



4. Return the tool to its original state and the next screw is automatically fed directly under the bit.

1. Make sure that the Muro collated screw coil and the appropriate bit are loaded and the tool is properly adjusted. Lock the trigger switch and put the motor into the continuous operation mode.

2. Hold the handle grips firmly and press the tool down towards the material.

- Leaning of the tool may cause damage to the screw head or wear and tear on the bit.

If the tool is leaning, the torque is not properly transmitted to the screw and the screw is not driven to the desired depth.

3. Press down on the tool to drive the screw by keeping your arms close to your body.

- Screws should be driven in one fluid motion. Do not stop driving a screw in the middle of it. When the screw is fully driven, the clutch disengages and the bit stops rotating.

Pull up the tool and allow the tool to return to its original state.

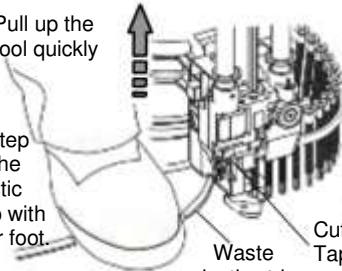
4. When the tool returns to its original position, the next screw is automatically fed directly under the bit so the tool can drive the screws continuously.

How to Use the Tape Cutter

2. Pull up the tool quickly



1. Step on the plastic strip with your foot.



Waste plastic strip

Warning symbol (triangle with exclamation mark) Cutting Edge Tape Cutter

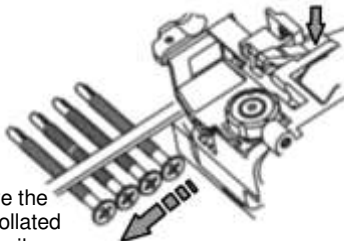
As the screws are driven the waste length of tape can be removed as needed utilizing the built in tape cutter. This prevents any feed jammes being caused by the waste tape.

You can cut the strip by holding it with your foot as shown in the figure to the left and pulling up on the tool quickly.

Do this on a flat surface.

How to Remove a Muro Collated Screw Coil

2. Remove the Muro collated screw coil.



1. Hold the grip finger.

Hold the grip finger down with your thumb and remove the Muro collated screws by pulling them in the direction indicated by the arrow.

If the Muro collated screw coil becomes stuck, push it back slightly in the opposite direction and release the grip finger. The Muro collated screw coil should remove easily.

Maintenance and Inspection

Warning

◆ When inspecting or maintaining this tool, be sure to turn off the power and unplug the power cord.

1) Inspection the Bit

- If a bit is worn or broken screw driving can be affected and the heads may be damaged. The unique double-ended bits for Vislider allows both ends to be used. Turn over or replace the bit with a new one as soon as possible.

2) Inspection of the Tool

- As vibration through use can cause screws to loosen, periodically tighten screws as required. Loose screws may cause an injury or accident.

3) Maintenance of the Motor

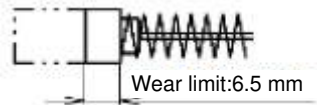
- Dust in the motor should be discharged every 50 hours of operation. A method of discharging the dust is to run the motor in a no-load situation and blow compressed air into the housing through the front air vents causing the dust and air to exhaust together through the rear air vents.

4) Inspection of Carbon Brushes

- The carbon brushes should be removed and inspected periodically.

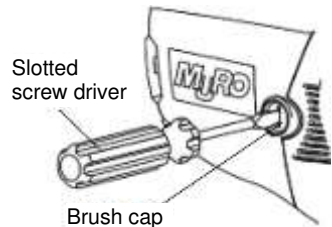
When the carbon brushes approach to the wear limit (6.5 mm), replace them with new ones promptly.

The carbon brushes should be cleaned and checked to make sure they move smoothly in the brush holder.



5) Replacement of Carbon Brushes

- Remove the carbon cap with a slotted screw driver. Take out the worn carbon brushes and insert new ones. Be sure to put the brush cap back after replacing the brushes. Two carbon brushes make one set. Be sure to replace both of them at the same time.



6) Maintenance of Vislider

- If dust gathers on the grip finger, guide cover, or guide pole, these parts may not slide smoothly. Clean the parts thoroughly and apply two or three drops of a lubricant.
- If the main unit becomes dirty, wipe it with a cloth and mild detergent. Do not use gasoline, paint thinner, petroleum, and kerosene oils act to degrade plastics.

THIS PAGE INTENTIONALLY LEFT BLANK

THIS PAGE INTENTIONALLY LEFT BLANK

MURO NORTH AMERICA INC.

7 Tilbury Court, Brampton, Ontario, L6T 3T4, Canada
Tel: 1-800-665-6876 Fax: 905-451-7936
[http:// www. muro.com](http://www.muro.com)

MURO CORPORATION

7-1 Kiyohara Industrial Park, Utsunomiya City, Tochigi Prefecture
321-3231 Japan
Tel: +81-28-667-7148 Fax: +81-28-667-4795
[http:// www. vislider.com/](http://www.vislider.com/)