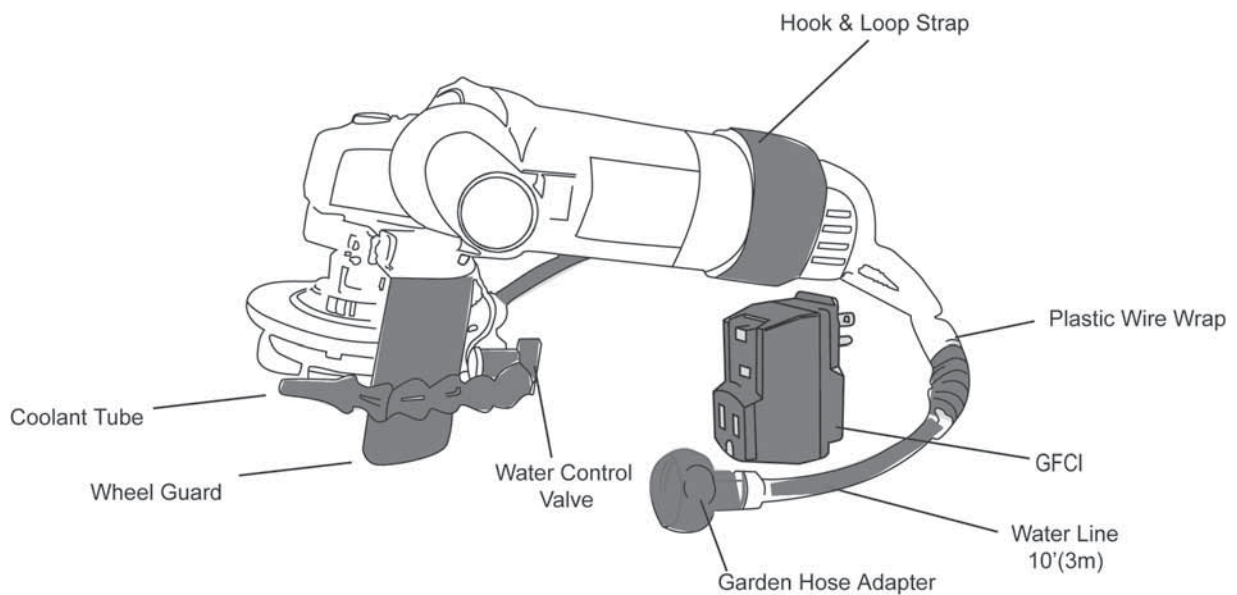


Alpha[®] Universal Safety Guard Kit Instruction Manual



Fits most popular 4½" and 5" High Speed Angle Grinders

Part No: GCWKIT

 **Alpha Professional Tools[®]**

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www.alpha-tools.com

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► **SERVICE**

Use only Alpha Professional Tools® accessories and spare parts. Should components which have been described need to be exchanged, please contact your dealer or Alpha Professional Tools®.

► **NEED MORE INFORMATION**

For information on Alpha Professional Tools® complete product line, visit us on the web at www.alpha-tools.com.

► **APPLICATION**

Alpha® Universal Safety Guard Kit is created for safe operation with the Alpha® Groove Cutter on most popular 4-1/2" and 5" high speed angle grinders. Alpha® Groove Cutter cuts flawless grooves for joint seaming.

Our patent pending design assures the grooves will be level to achieve maximum strength at each joint. The Groove Cutter may also be used to cut a groove for dry installation of facade.

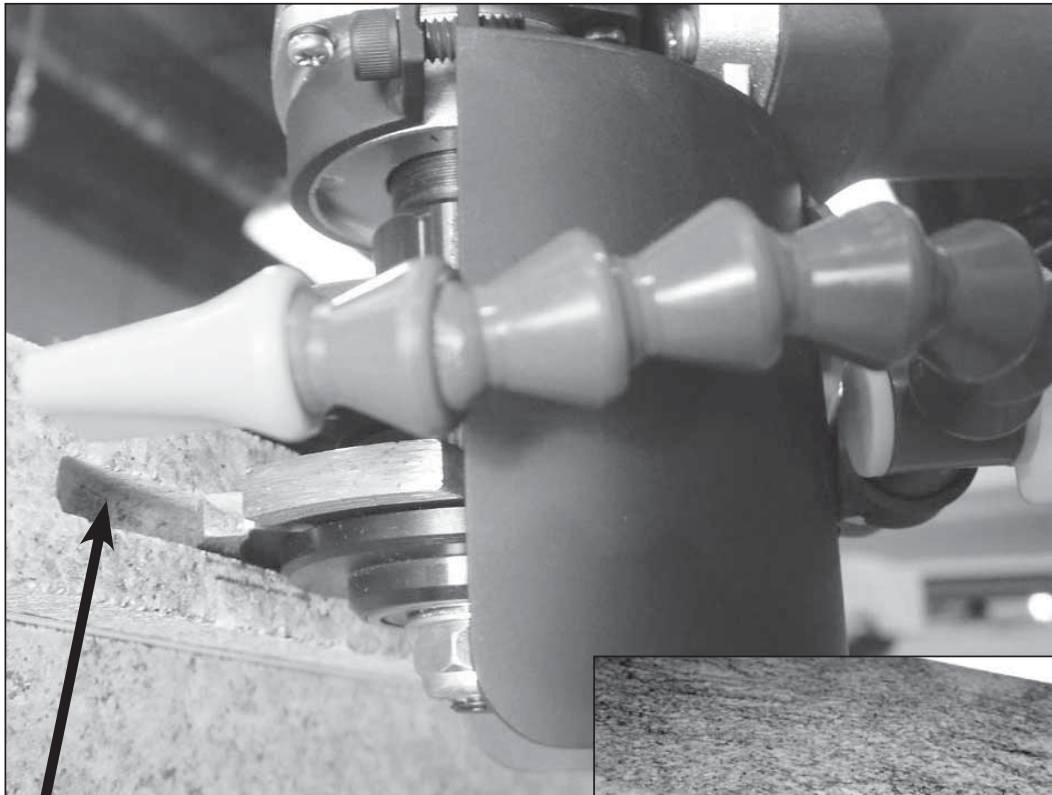


Figure-1

Groove

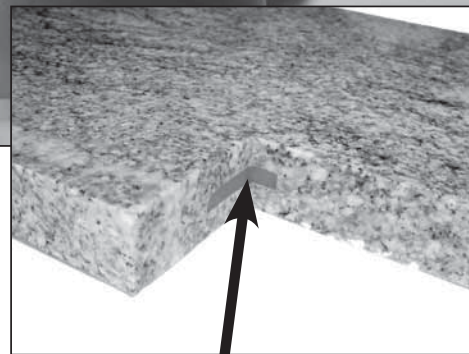


Figure-2

Seaming

PART NO.	MAXIMUM RPM	ARBOR	FOR USE ON
GCW258	14,500	5/8"-11 Threaded	3/4" Granite Slab
GCW358	14,500	5/8"-11 Threaded	1-1/4" Granite Slab
MCW258	14,500	5/8"-11 Threaded	3/4" Marble Slab
GCWKIT	Universal Safety Guard Kit		

► PARTS LIST



No.	Item Description	Part Number
1.	Guard	140001
2.	Water Line (10') 3m*	133287
3.	Garden Hose Adapter*	
4.	Plastic Wire Wrap	140002
5.	Hook & Loop Strap	140003
6.	Coolant Tube	140004
7.	Push to connect 90 degree Swivel Fitting	140005
8.	GFCI	GFCI-1
9.	Neck Spacer for Makita® Grinder	140006

* Not sold separately.

► INSTRUCTIONS

Alpha Professional Tools® provides the highest quality parts and manufacturing techniques in the manufacture of this product. In order to obtain the maximum effectiveness and provide the highest degree of safety, it is necessary to review and follow these instructions carefully before using the tool.

CAUTION!

- *Attach the Safety Guard correctly by following the procedure in this instructional manual.*
- *During operation, be sure to wear personal safety equipment.*

1. Coolant Line component layout (pre-assembly).



Figure-1

2. Insert coolant line with valve into valve clamp. (Located at back side of Guard)
3. Install “Push-to-connect” 90 degree swivel elbow to inlet side of valve as shown.

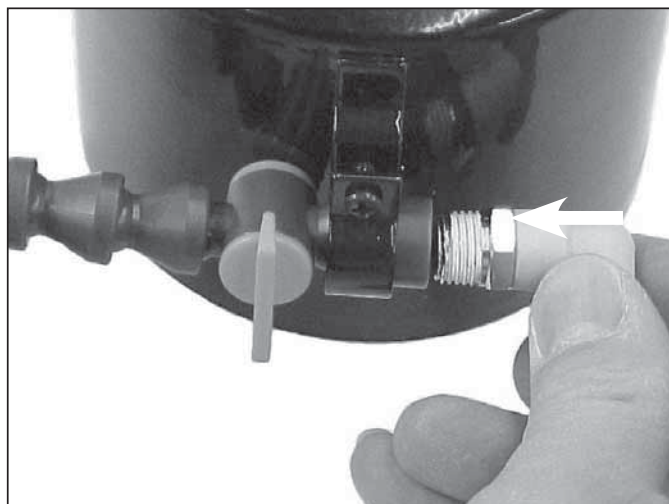


Figure-2

4. Tighten down fitting to a snug condition.

Caution: Do not overtighten as damage to plastic valve body will occur.

During startup if leakage at this joint occurs, tighten in small increments to a leak-tight condition.

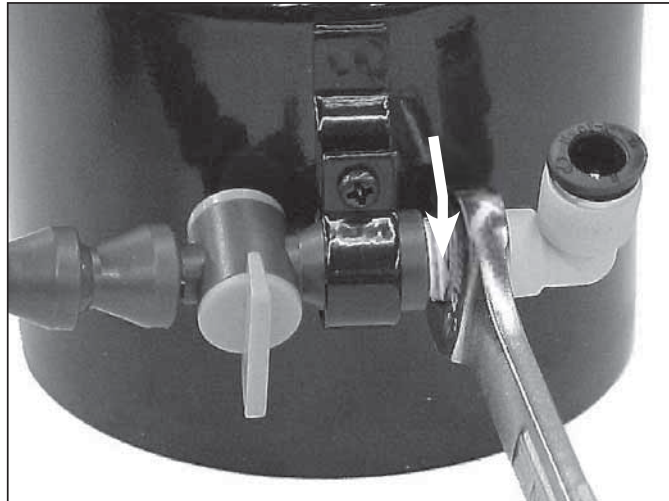


Figure-3

5. Tighten valve clamp to a secure condition with phillips screw driver.

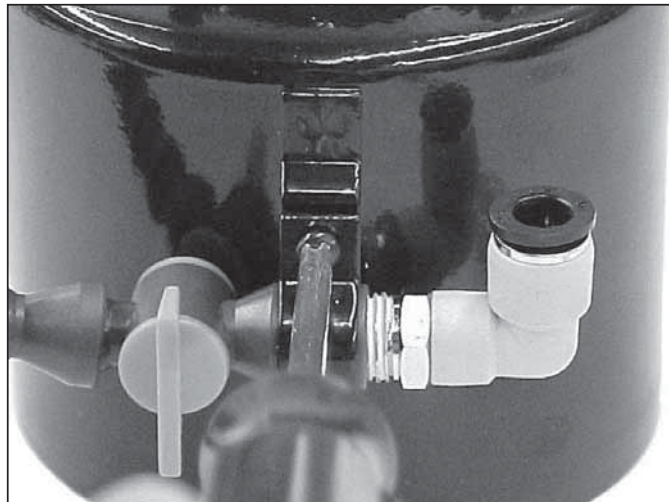


Figure-4

6. Set the 4 phillips head screws, located on the clamp assembly, flush with the internal clamp surfaces as shown.

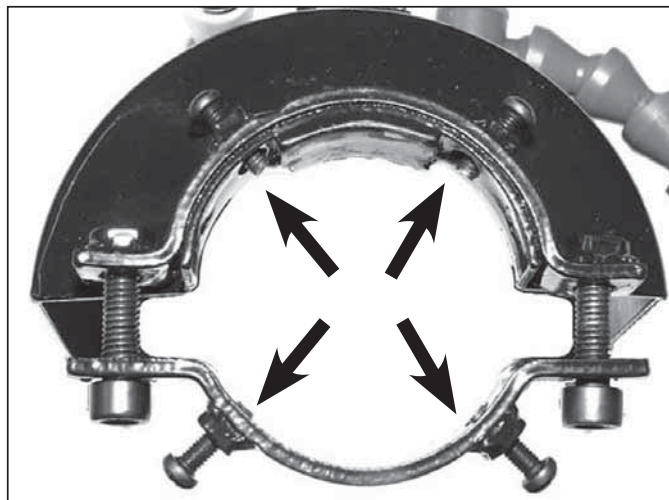


Figure-5

► **INSTALLATION OF UNIVERSAL GUARD**

1. Place guard assembly onto grinder neck as shown.

Customers using the Makita® Angle Grinder, please see page 9 for the installation of the Neck Spacer, before proceeding to STEP 2. ➔



Figure-7

Note: *The fit of the clamp assembly is important for secure attachment to the tool.*

2. Before tightening clamp assembly check for full coverage to the neck of the grinder as shown.



Figure-8

3. Tighten both clamp screws evenly with a 5mm hex key to a secure condition.

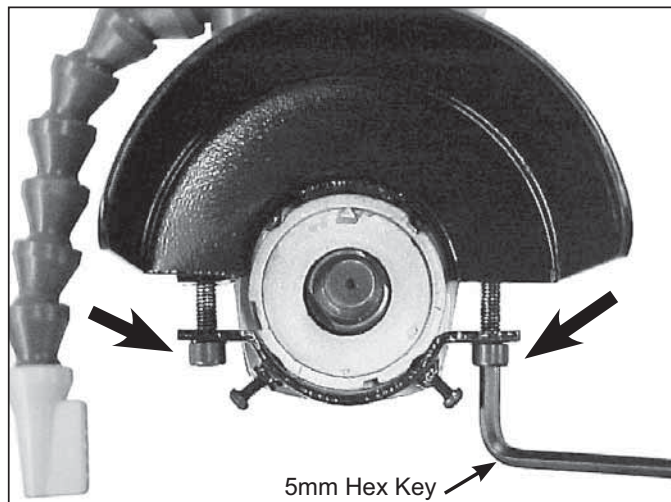


Figure-9

4. Tighten the 4 phillips head screws to a snug condition. (Do not overtighten)
5. Recheck guard clamp assembly for a tight connection to the grinder neck.

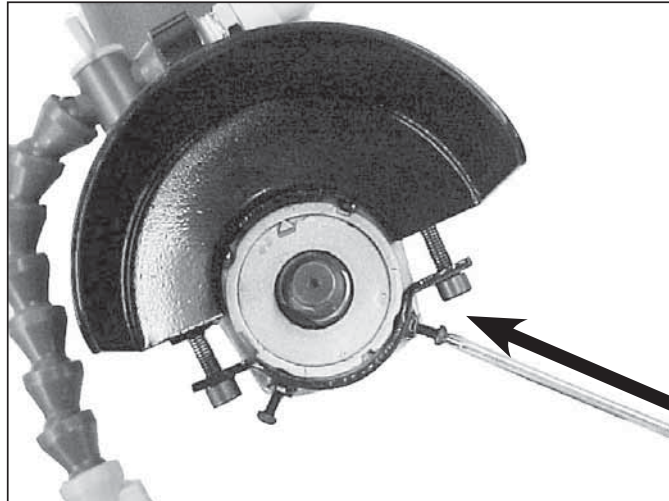


Figure-10

6. Take one end of the water line and insert into the “push to connect” side of the 90 degree swivel elbow.

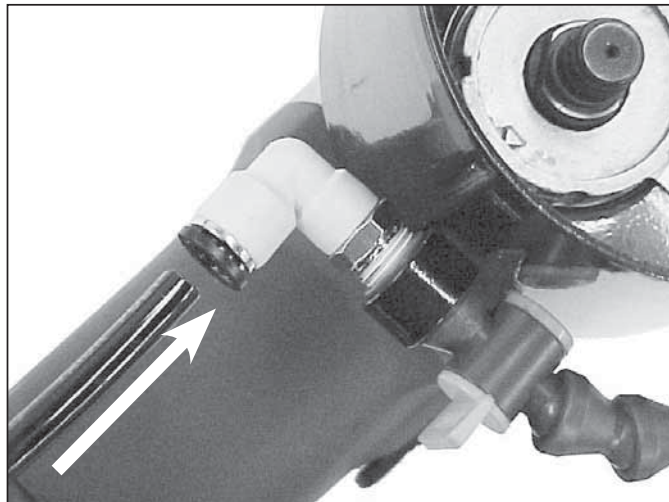


Figure-11

7. Push tubing until it contacts the bottom of the fitting. Pull back slightly on the tubing to assure correct engagement.

Note: *Tubing should not pull out from fitting.*

8. To release tubing from fitting, push tubing inward and push down on the release collar, then pull tubing free from connection.

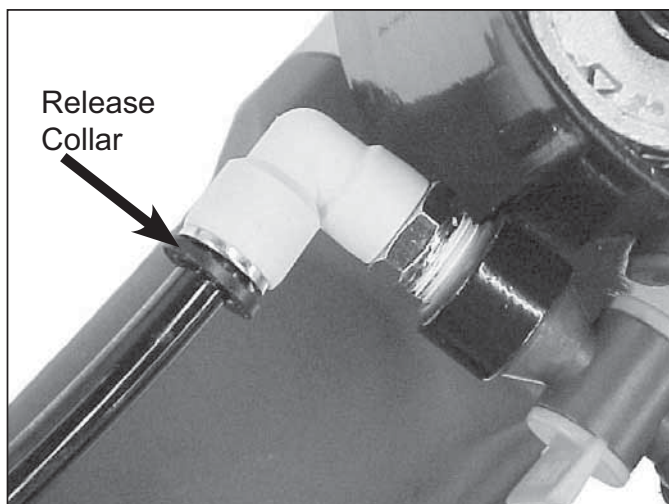


Figure-12

► **SAFETY GUARD
INSTALLATION FOR THE
MAKITA® ANGLE GRINDER**

1. The supplied spacer is to be used with a small diameter neck grinder as found with the Makita® grinder.



Figure-13

2. Place spacer at back of grinder neck.

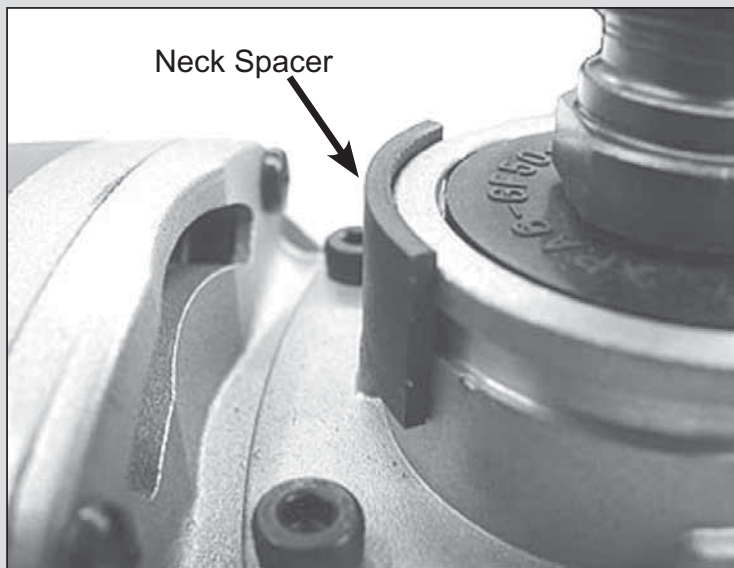


Figure-14

3. Place guard assembly, as shown in Figure 15, with spacer between grinder neck and clamp assembly of guard.

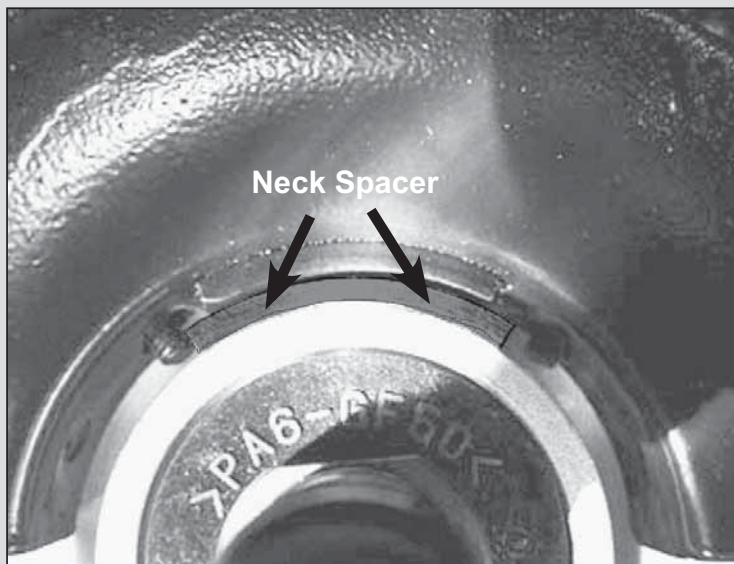


Figure-15

4. After installation of neck spacer...return to STEP 2 on PAGE 7 to continue installation of the Universal Guard.

► **GARDEN HOSE
ADAPTER INSTALLATION**

1. Take the open end of the water line and place compression fitting nut on tube as shown. Push the tube into the connector base.

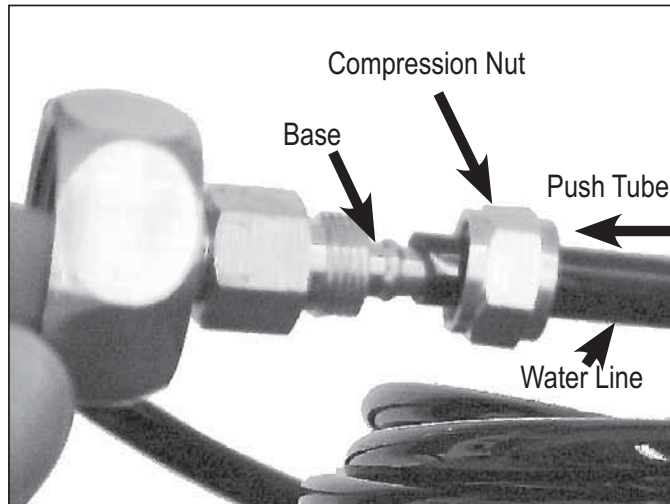


Figure-13

2. Tighten compression nut with a 14mm wrench to a secure condition.

Note: *Do not overtighten connection.*

If leakage occurs during startup, tighten in small increments until a leak tight connection is made.

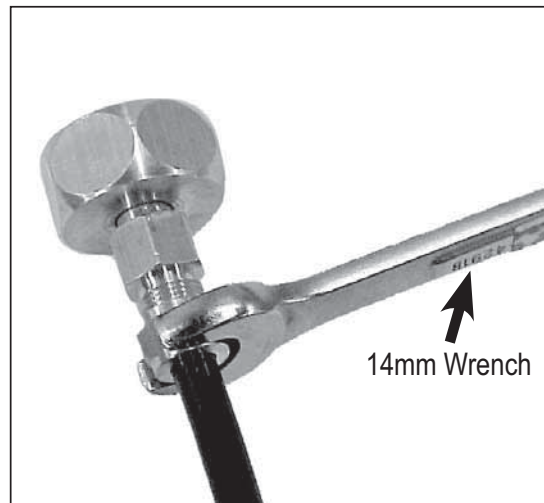


Figure-14

3. Position hook & loop strap around waterline and grinder body.

Note: *Position strap away from vent ports of grinder.*

4. The 90 degree swivel elbow can be moved to give a tight installation to the grinder body.
5. Adjust strap to a tight position.

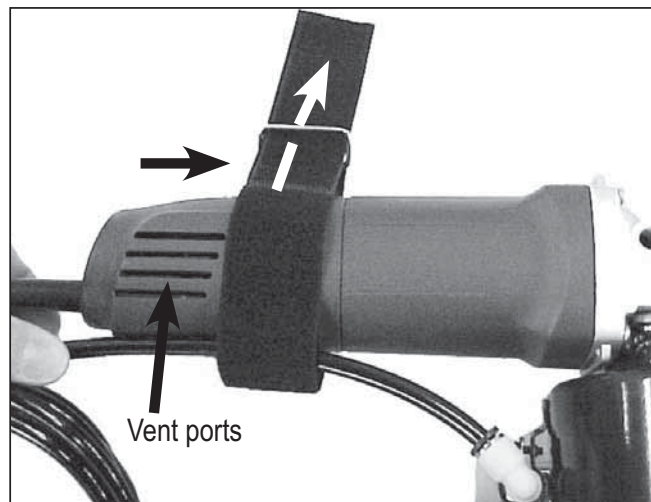


Figure-15

► **INSTALLATION OF PLASTIC WIRE WRAP**

1. Install plastic wire wrap around both power cord and water-line as shown in Figure 16.



Figure-16

2. Finish wrapping procedure until secure.

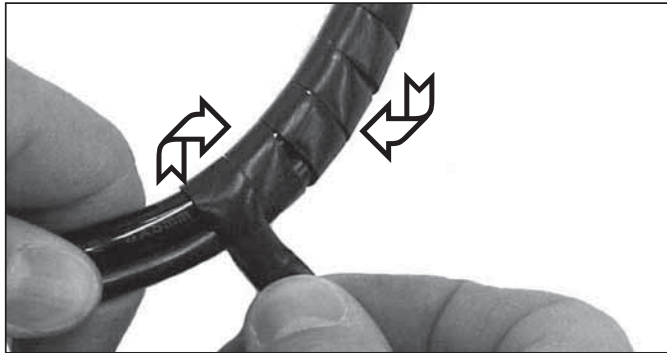


Figure-17

► **INSTALLATION OF GFCI**

1. Install GFCI to grinder power cord as shown. Connect to power and check GFCI for proper function by pressing the test and reset buttons.

Caution: *Do not operate grinder with water-feed system without GFCI installed and in proper working condition.*

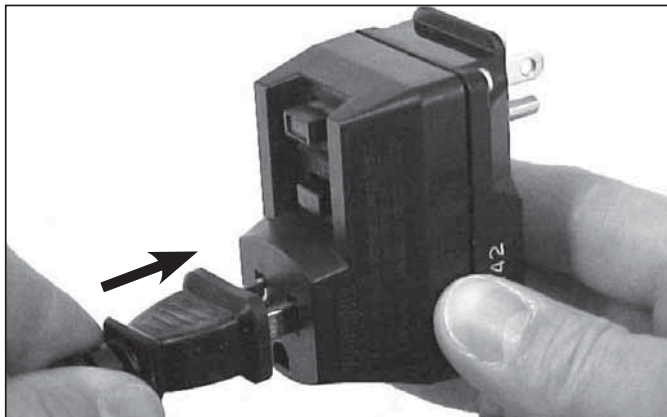


Figure-18

► **COMPLETED ASSEMBLY**



Figure-19



Figure-20



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