

Please carefully read and save these instructions before attempting to assemble, maintain, install, or operate this product. Observe all safety information to protect yourself and others. Failure to observe the instructions may result in property damage and/or personal injury. Please keep instructions for future reference.

Important Operating Instructions



CHAINSAW SHARPENER

Model: 5655

CALIFORNIA PROPOSITION 65

WARNING: You can create dust when you cut, sand, drill or grind materials such as wood, paint, metal, concrete, cement, or other masonry. This dust often contains chemicals known to cause cancer, birth defects, or other reproductive harm. Wear protective gear.

WARNING: This product or its power cord may contain chemicals, including lead, known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

Important!

When using equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating manual with due care. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, give them these operating instructions as well. We accept no liability for damage or

accidents which arise due to non-observance of these instructions and the safety information herein.

SPECIFICATIONS

RPMs: 4200

Vise Capacity: 0.80 in to 0.50 in

Table/Vise angles: 35 degrees to Right and Left

Wheel dimensions: 4-1/4in (diameter) by 1/8 in thick

CAUTION:

FOR YOUR OWN SAFETY READ INSTRUCTION MANUAL COMPLETELY AND CAREFULLY BEFORE OPERATING. Failure to follow all instructions as listed below may result in electrical shock, fire, and/or serious personal injury.

SAFETY WARNINGS

- 1) Keep the work area clean, well lit and uncluttered.
- 2) Do not use this tool in damp or wet locations.
- 3) Do not use tools in the presence of flammable gases or liquids.
- 4) Store idle equipment in a dry and cool location.
- 5) Use the right tool for the job. Do not force a small tool or attachment to do the work of a larger industrial tool.
- 6) Do not modify this tool or use it for a purpose for which it was not intended.
- 7) Keep long hair pulled back and do not wear loose clothing or jewelry while operating this tool.
- 8) Ensure the power switch is in the OFF position before plugging the tool into the outlet and when not in use.

For warranty purchases, please keep your dated proof of purchase. File or attach to the manual for safekeeping.

9) Check for damaged parts before use. Do not use the tool if it is damaged. Repair or replace parts before use.

10) Use the proper type of extension cord. This tool requires use of an extension cord of 0-10 amps with a wire size rated at 18AWG and should be no longer than 50 feet.

11) Do not use the tool if the wheel is chipped, cracked or worn. The wheel can be tested by hanging the wheel by its hole and tapping it with a non-metal object (such as a plastic tool handle). It should create a metallic sound if it is in good condition, if not, it indicates a crack or damage.

12) Only use grinding wheels that fit the arbor (7/8 in). Do not attempt to change or modify the mounting hole on a grinding wheel in an attempt to make it fit.

13) Do not over tighten the grinder lock cap. Hand tighten only. Over tightening can cause the wheel to break or disintegrate.

14) Never use the chain saw sharpener without the grinding wheel cover in place.

15) Keep body parts away from the grinding wheel while it is turning.

16) Ensure no one is in the line of the wheel rotation

trajectory.

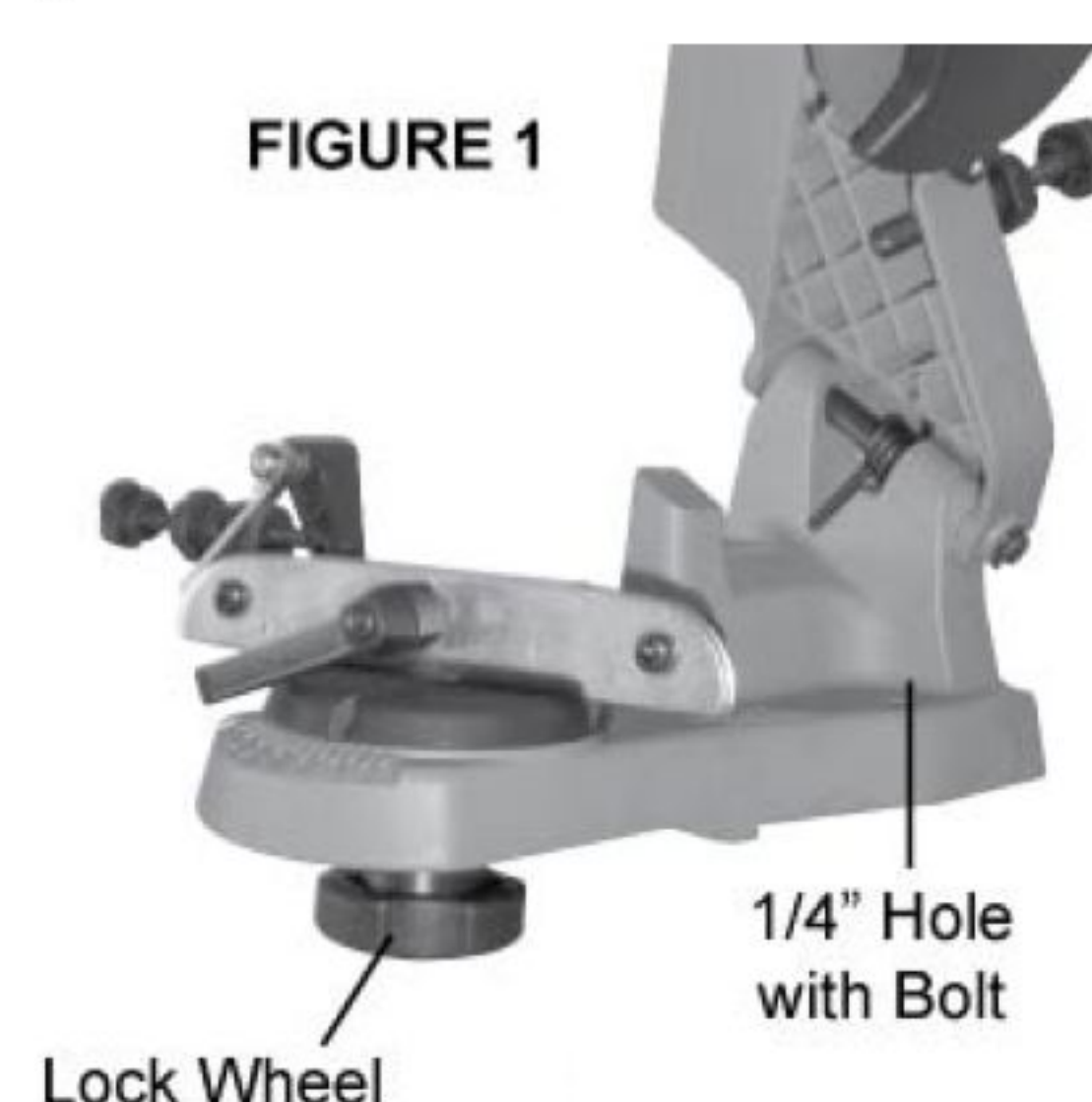
17) If the grinding wheel vibrates, turn off the machine immediately and check that it is mounted securely and is not damaged.

18) Never try to stop the wheel with your hands, even if you are wearing safety gloves. The wheel will cut through gloves and cause injury to your hands.

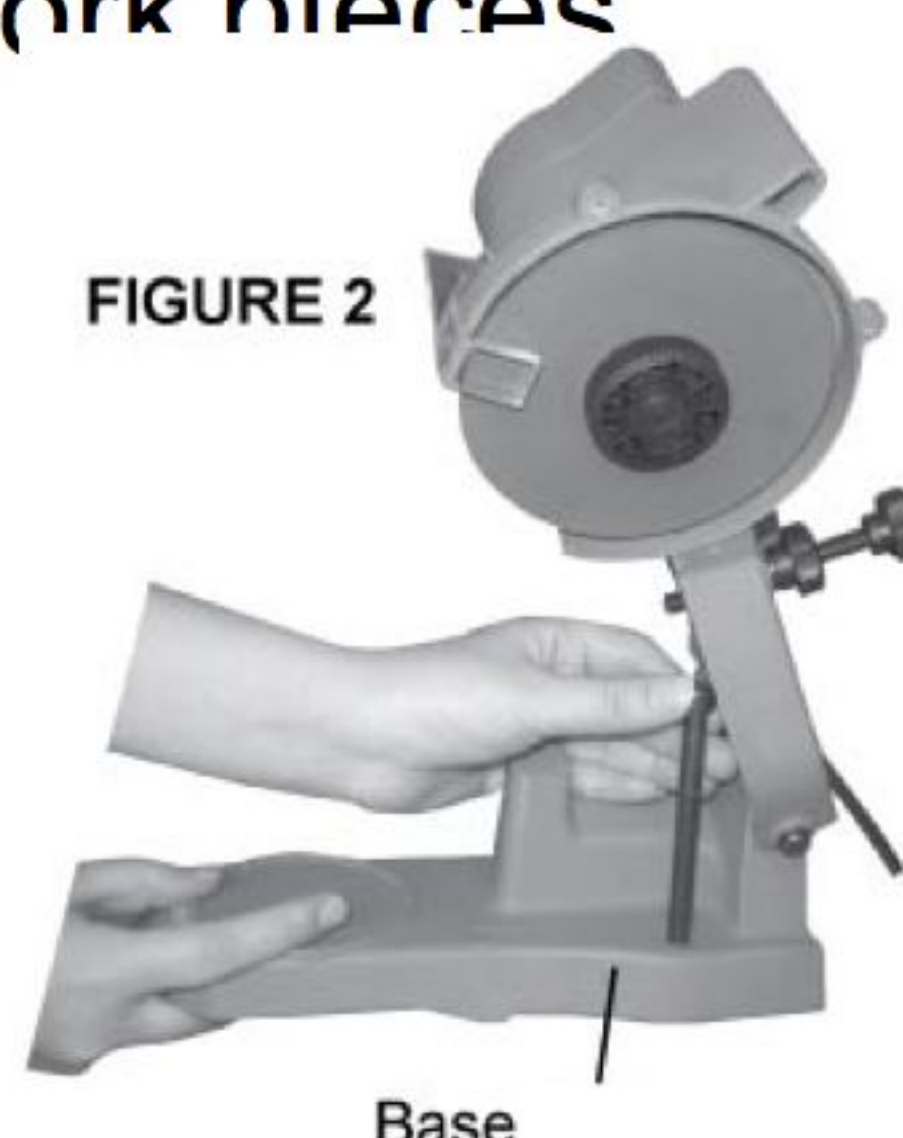
19) This device is intended to sharpen chainsaw chains. Do not use this tool to sharpen or grind any other objects.

ASSEMBLY

1) Ensure the lock wheel is accessible when installing the sharpener on a workbench.



2) Bolt the unit directly to the workbench through the two 1/4in holes on the base (bolts not included). The workbench must have a solid surface that is capable of supporting the weight of the sharpener, tool and work pieces



Mounting the Grinding Wheel (See Fig. 3 and 4)

WARNING: Always unplug the unit before changing the grinding wheel or when making any adjustments.

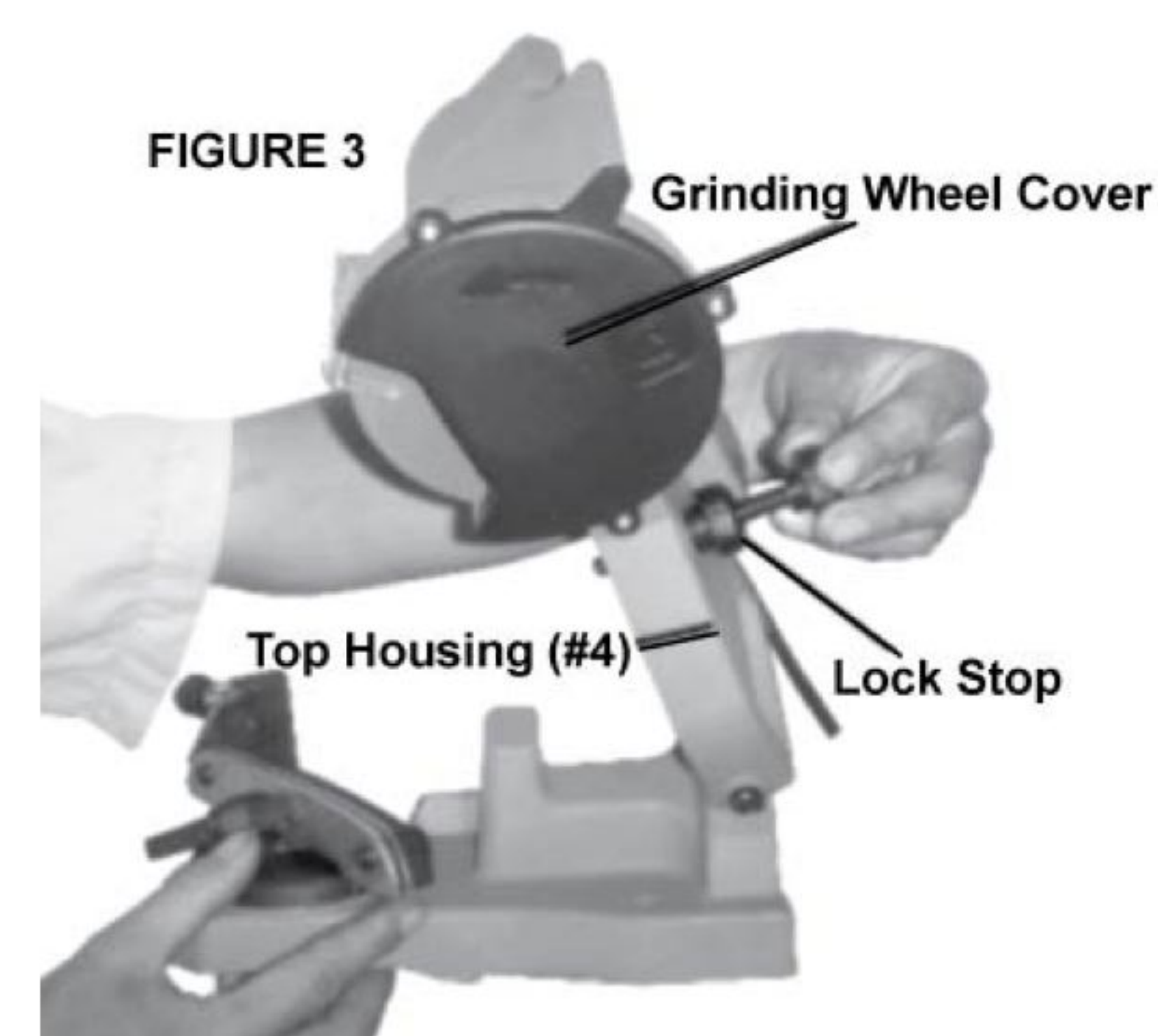
1) Raise the top housing and lock it in the up position by tightening the lock stop.

2) Remove the two screws holding the grinding wheel cover. Set the cover aside.

3) Unscrew the grinder lock cap that holds the grinding wheel in place.

4) Install the wheel on the grinding wheel base and make sure it fits properly.

NOTE: Do not use a grinding wheel if it is chipped, worn or cracked.

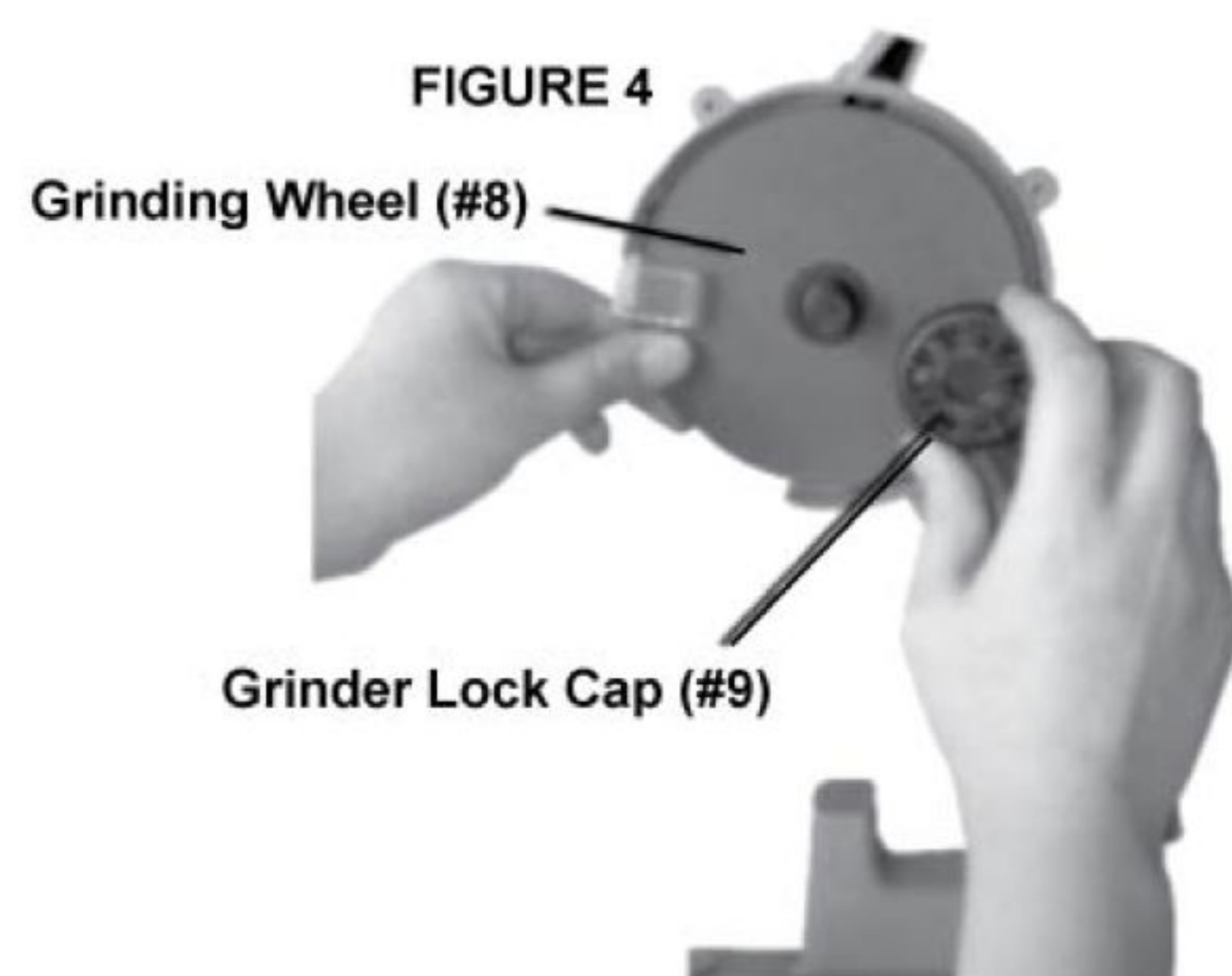


5) Replace the grinder lock cap.

6) Replace the grinding wheel cover.

7) Release the lock stop and lower the top housing.

8) Never operate the tool without the grinding wheel cover in place.

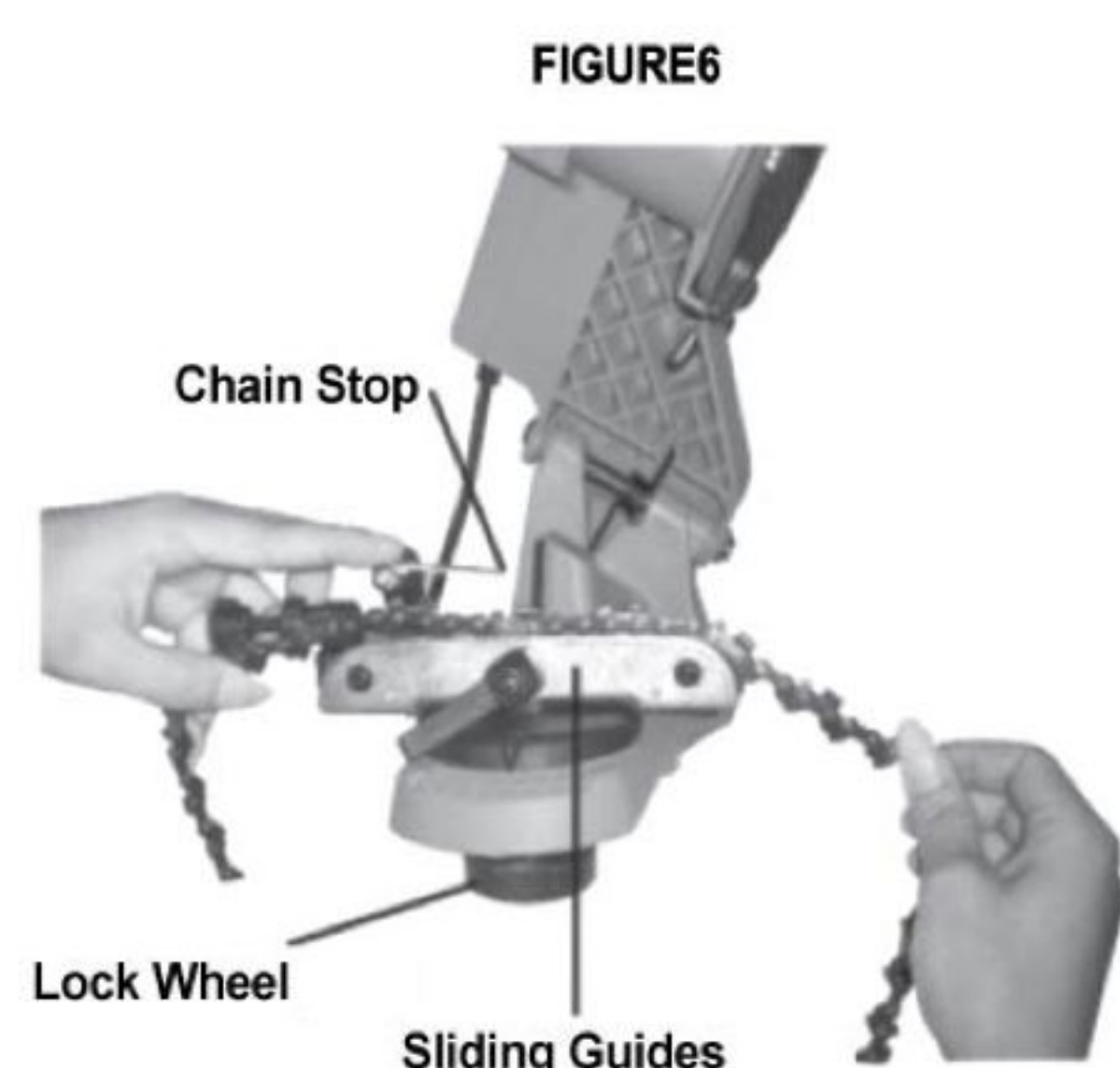


OPERATION

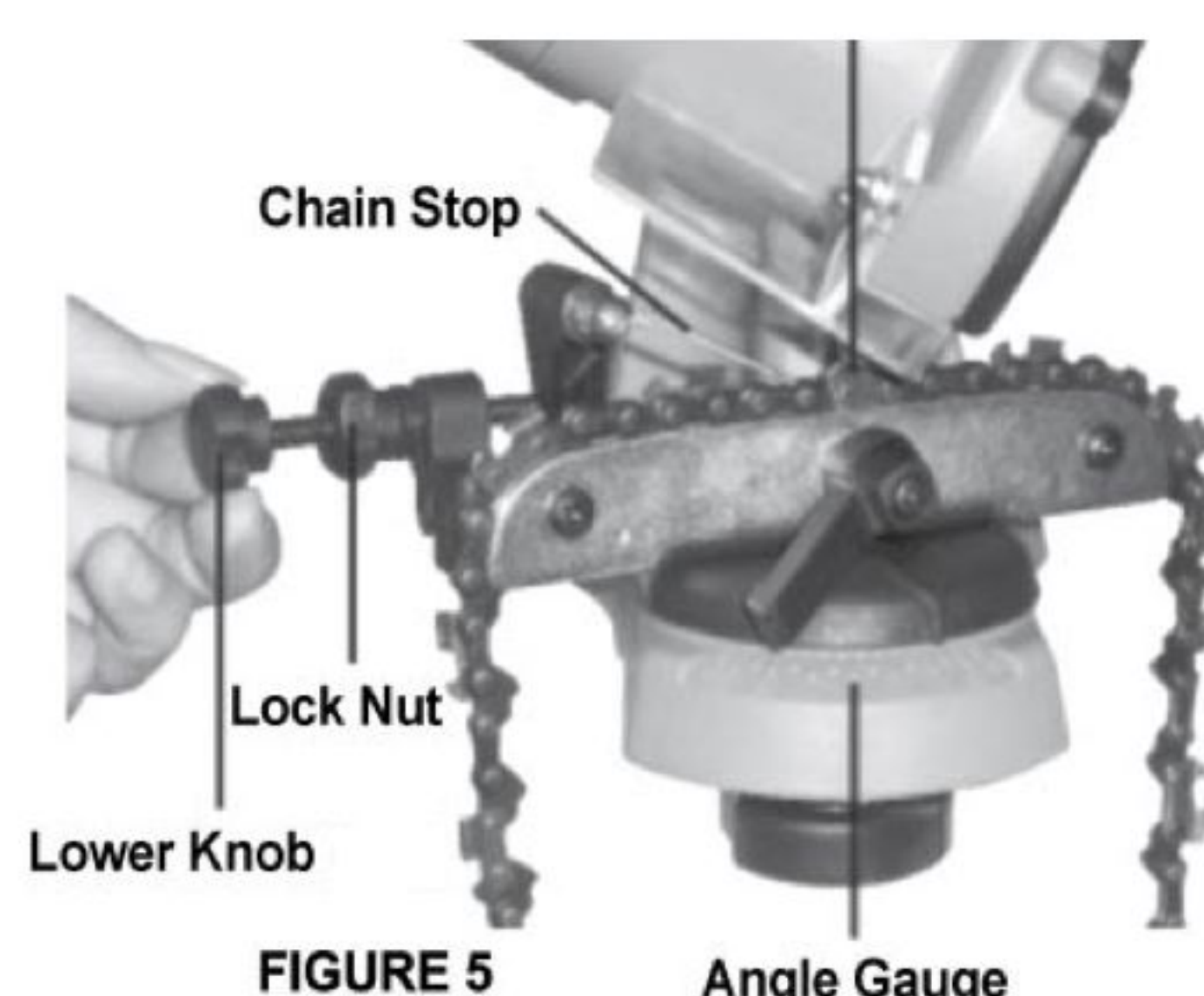
Always unplug the unit while adjusting the chain to be sharpened.

1) Clean the chain before sharpening it. Wash it with a non-flammable solvent. Do not use gasoline to dry the chain.

2) Lift up the chain stop and secure the chain in the sliding guides.



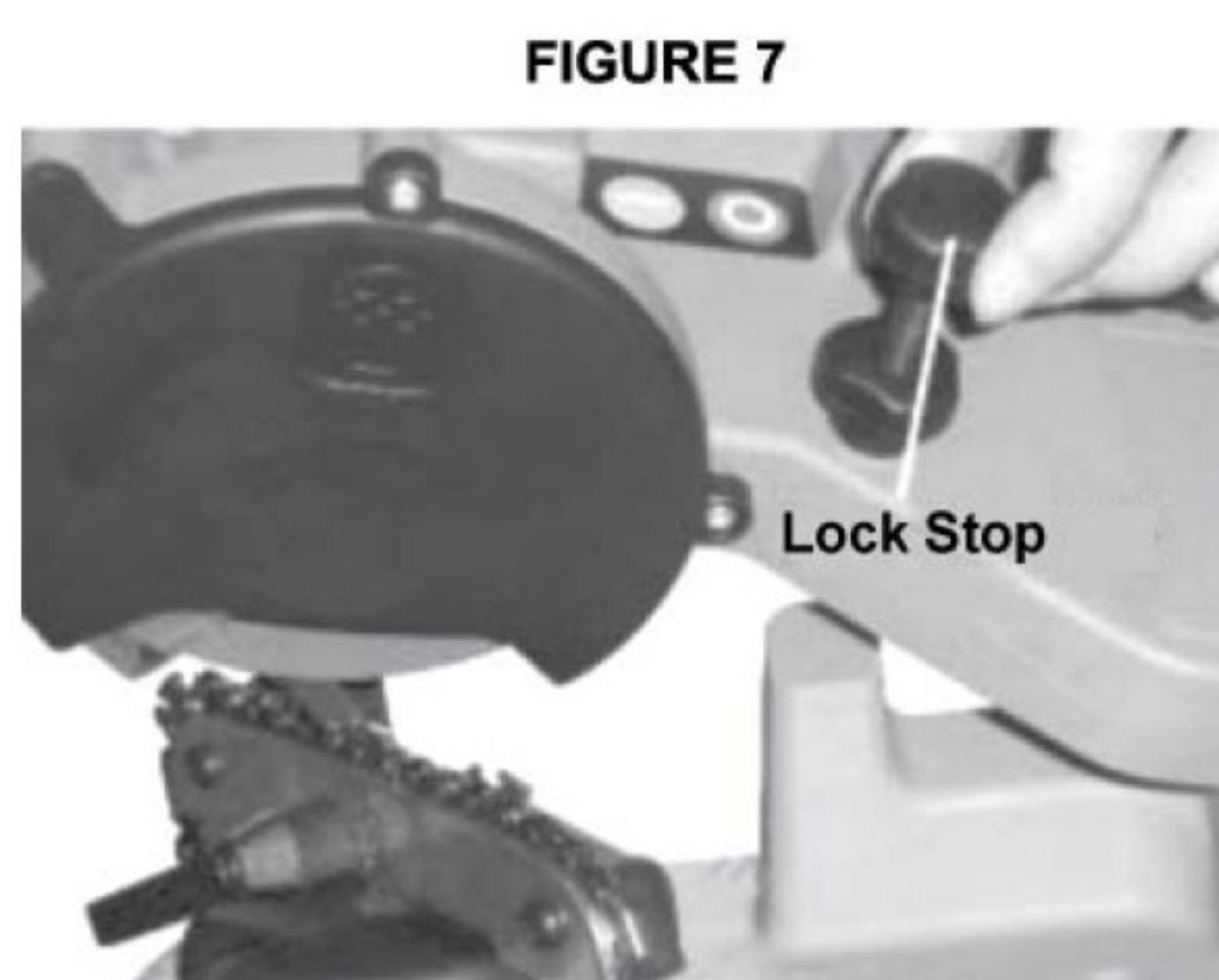
3) Lower the chain stop so that it's positioned on the tooth (blade) you want to start with.



4) Loosen the lock wheel to allow the entire housing turn. Rotate the housing to match the degree of angle you need on the angle gauge. Chains come in varying degrees of sharpening angles. Check the chain's manual to determine what you degree you need to sharpen at. Once the degree is set, tighten the lock wheel.

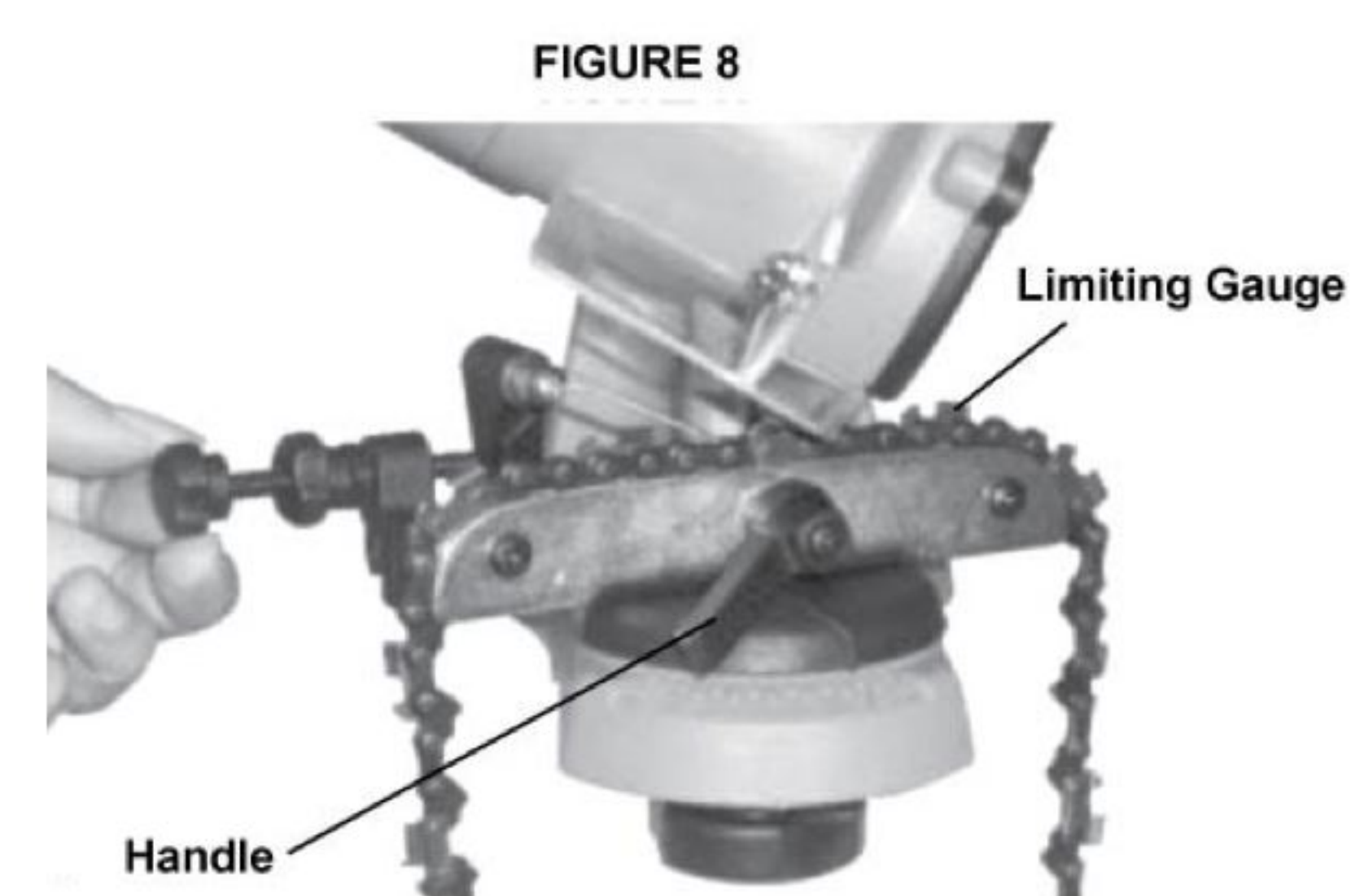
5) Lower the top housing so that the grinding wheel skims the chain tooth.

6) Hold it at that position while you tighten the lock stop so that the wheel will only go down.

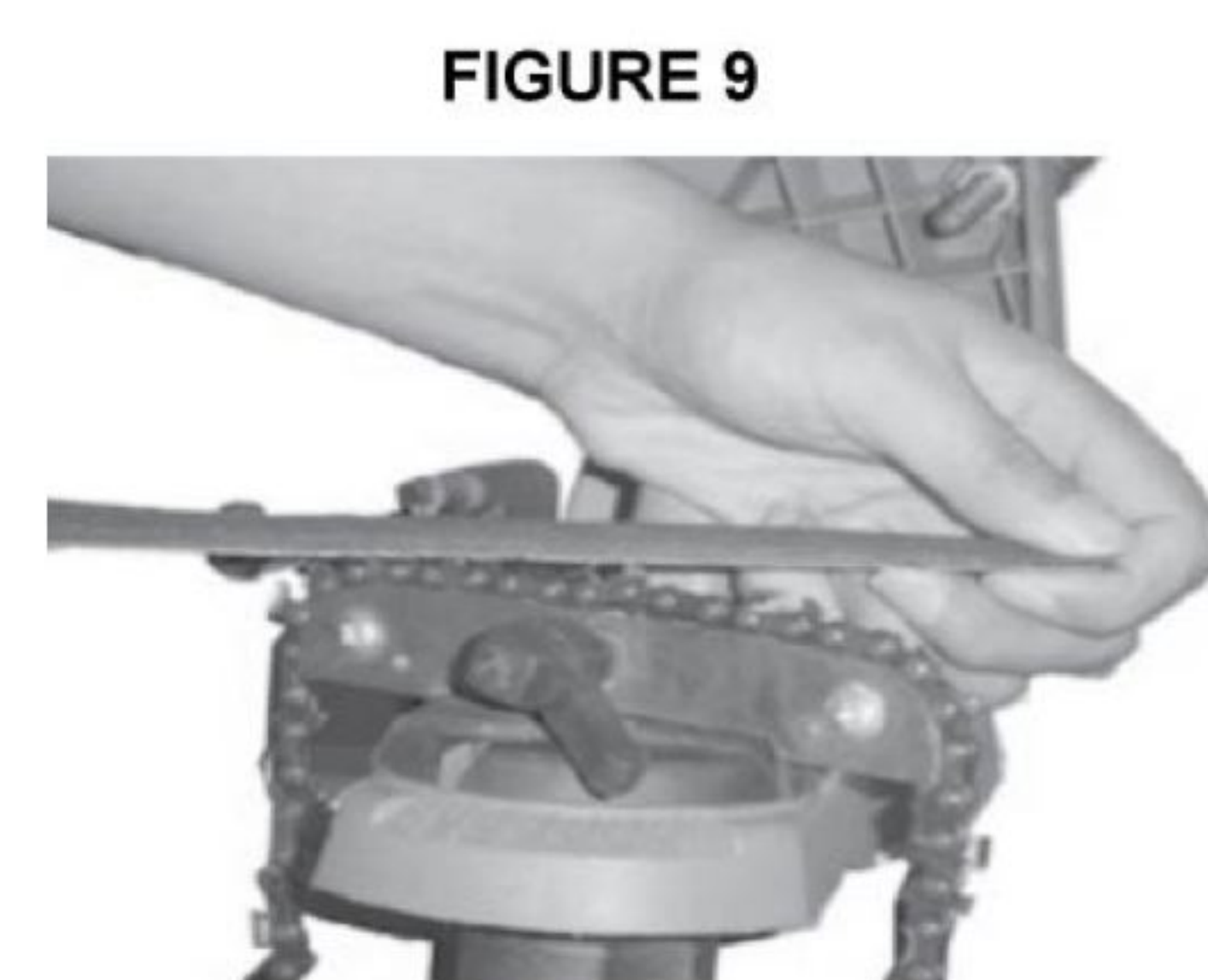


7) Depending upon the amount of material you wish to remove, tighten or loosen the lower knob and set the lock nut. The lower knob has a lock nut which will determine how much material is removed. Once you set the lock nut, fully tighten the lower knob.

8) Lock the chain in the sliding guides by turning the handle. The handle should be situated so that you can easily release and tighten it. You will need to release it each time you move to the next link and tighten it to sharpen each link.



9) If the chain has been repeatedly sharpened, the chain depth limiting the gauges may need to be taken down with a flat file (not included). File down each gauge so that they are at a lower level than the cutting teeth.

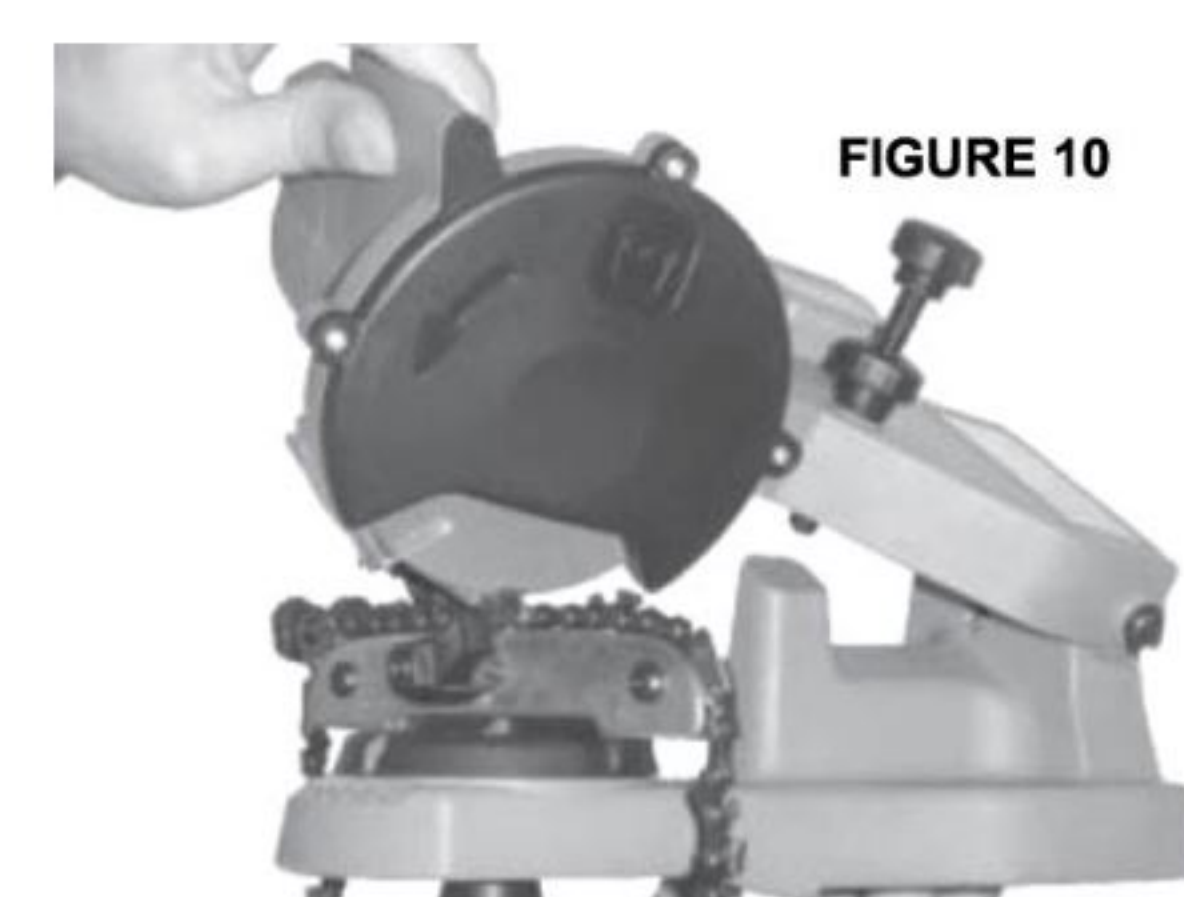


SHARPENING

1) Put on your protective gear and make sure the immediate area is clear of bystanders.

2) Plug in the power cord and press the green button on the switch plate to turn on the machine.

3) Slowly lower the grinding wheel. If you notice errors in your settings, turn off the unit and unplug it before you make adjustments.



4) After sharpening one tooth, turn off the machine. Lift the top housing release on the handle and move the chain so that the next link is positioned in the chain stop. Tighten the handle. Turn the machine back on and continuing sharpening the next tooth. Repeat this process until you have sharpened all of the links set up for this angle.

5) After you have finished sharpening all of the teeth on the chain, turn off the machine by pushing the red button on the switch plate and unplug the unit.

6) Loosen the lock wheel and reset the angle so that the first tooth that hasn't been sharpened is positioned against the chain stop and is locked in as explained before.

7) Repeat steps 1-4 on this side of the chain.

8) After sharpening both pages, the chain is ready to be mounted on the saw for use.

MAINTENANCE

Keep the sharpener clean and free of dust, metal debris and dirt by cleaning it with a cloth and water.

Replace the grinding wheel when it grinds down to a diameter of 3 inches.

When the grinding wheel is worn down to a diameter of 3 inches, it must be replaced. To replace the grinding wheel, first turn the machine off and unplug it. Then, remove the top housing release on the handle and move the chain so that the next link is positioned in the chain stop. Tighten the handle. Turn the machine back on and continuing sharpening the next tooth. Repeat this process until you have sharpened all of the links set up for this angle.

After you have finished sharpening all of the teeth on the chain, turn off the machine by pushing the red button on the switch plate and unplug the unit.

Loosen the lock wheel and reset the angle so that the first tooth that hasn't been sharpened is positioned against the chain stop and is locked in as explained before.

Repeat steps 1-4 on this side of the chain. After you have finished sharpening all of the teeth on the chain, turn off the machine by pushing the red button on the switch plate and unplug the unit. Loosen the lock wheel and reset the angle so that the first tooth that hasn't been sharpened is positioned against the chain stop and is locked in as explained before.

After you have finished sharpening all of the teeth on the chain, turn off the machine by pushing the red button on the switch plate and unplug the unit. Loosen the lock wheel and reset the angle so that the first tooth that hasn't been sharpened is positioned against the chain stop and is locked in as explained before.

When the grinding wheel is worn down to a diameter of 3 inches, it must be replaced. To replace the grinding wheel, first turn the machine off and unplug it. Then, remove the top housing release on the handle and move the chain so that the next link is positioned in the chain stop. Tighten the handle. Turn the machine back on and continuing sharpening the next tooth. Repeat this process until you have sharpened all of the links set up for this angle.

After you have finished sharpening all of the teeth on the chain, turn off the machine by pushing the red button on the switch plate and unplug the unit.

Loosen the lock wheel and reset the angle so that the first tooth that hasn't been sharpened is positioned against the chain stop and is locked in as explained before.

Repeat steps 1-4 on this side of the chain. After you have finished sharpening all of the teeth on the chain, turn off the machine by pushing the red button on the switch plate and unplug the unit. Loosen the lock wheel and reset the angle so that the first tooth that hasn't been sharpened is positioned against the chain stop and is locked in as explained before.

After you have finished sharpening all of the teeth on the chain, turn off the machine by pushing the red button on the switch plate and unplug the unit. Loosen the lock wheel and reset the angle so that the first tooth that hasn't been sharpened is positioned against the chain stop and is locked in as explained before.

Limited Manufacturer Warranty

North American Tool (NAT) Industries makes every effort to ensure that this product meets high quality and durability standards. NAT warrants to the original retail consumer a 1-year limited warranty from the date the product was purchased at retail and each product is free from defects in materials. Warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence or accidents, repairs or alterations, or a lack of maintenance. NAT shall in no event be liable for death, injuries to persons or property, or for incidental, special or consequential damages arising from the use of our products. To receive service under warranty, the original manufacturer part must be returned for examination by an authorized service center. Shipping and handling charges may apply. If a defect is found, NAT will either repair or replace the product at its discretion.

DO NOT RETURN TO STORE

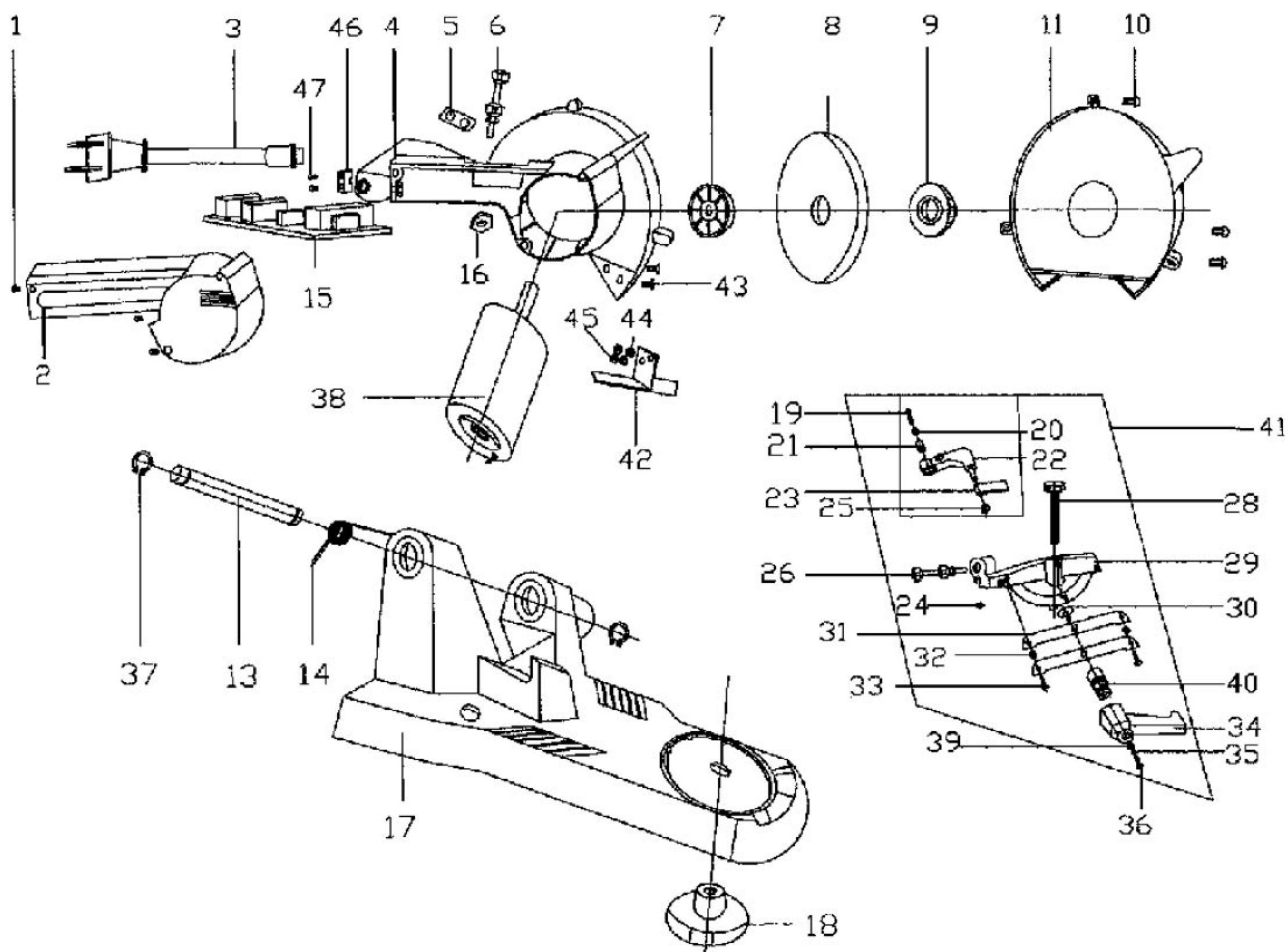
For Customer Service:

Email: feedback@natitools.com or Call 1-800-348-5004

CHAINSAW SHARPENER

Models: 5655

Parts List



Call 1-800-348-5004 for assistance or replacement parts

Please provide the following information:

- Model number
- Part description and number as shown in parts list
- Serial number (if any)

Address any correspondence to:

North American Tool Industries
84 Commercial Rd
Huntington, IN 46750

NO.	Description	QTY
1	Screw	3
2	Motor Cover	1
3	Power Cord	1
4	Top Housing	1
5	Switch Plate	1
6	Lock Stop	1
7	Grinding Wheel base	1
8	Grinding Wheel	1
9	Grinder Lock Cap	1
10	Screw	2
11	Grinding Wheel Cover	1
13	Punching Axis	1
14	Torsion Spring	1
15	Switch Circuit Board	1
16	Nut	1
17	Base	1
18	Lock Wheel	1
19	Screw	1
20	Washer	1
21	Bearing	1
22	Swing Arm	1
23	Chain Stop	1
24	Tension Spring	1

NO.	Description	QTY
25	Retaining Ring	1
26	Lower Knob	1
27	Screw	1
28	Bolt	1
29	Chain Saw Fram	1
30	Square Neck Screw	2
31	Sliding Guide	2
32	Pad	2
33	Screw	1
34	Handle	1
35	Spring	1
36	Lock Screw	1
37	Retaining Ring	2
38	Motor	1
39	Washer	1
40	Nut	1
42	Safe Guard	1
43	Screw	2
44	Spring Washer	2
45	Nut	2
46	Pressure Panel	1
47	Screw	2