

MAG-8200 SERIES

BELT GRINDER UPGRADE KIT INSTALL INSTRUCTIONS



Please be sure all the items are in the box and inspect for shipping damage, or for missing parts. Contact Magna-Matic right away to remedy any problems due to shipping. 800-328-1110

We have videos for all these installs - scan the QR code to watch videos.

BOX INVENTORY

Belt Grinder Option

- (1) T-Handle wrench
- (1) Eyelet pull tool
- (1) Contact wheel and idler wheel assembly
- (1) 8200-215 abrasive belt
- (2) Springs
- (1) Pivot block (with bearings)
- Hardware



QUICK START
VIDEOS

SCAN ME



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REMOVE THE GRINDING WHEEL



CAUTION

**TURN OFF
AND UNPLUG
BEFORE SERVICING!**

Be sure the MAG-8200 power cord is unplugged. Remove the front steel grinding wheel cover by releasing the two catch clamps on each side of the grinding wheel cavity. Locate your spanner wrench and arbor wrench (both supplied by Magna-Matic.) The arbor wrench fits into a square notch in the arbor behind the grinding wheel, and the spanner wrench fits into the two holes in the arbor nut. See diagrams below, or scan the QR code to watch a video.

Always inspect grinding wheels for possible damage - never mount a cracked grinding wheel.
DO NOT OVER-TIGHTEN ARBOR NUT - ONLY LIGHT PRESSURE TO TIGHTEN.
The motor will tighten the arbor nut every time the sharpener is turned on.

For optimum performance use only grinding wheels specified by Magna-Matic. All NORTON® brand grinding wheels sold by Magna-Matic are speed tested for 5500 RPM

NOTE: ARBOR HAS LEFT-HANDED THREADS.

OEM WHEEL 1" WIDE = 9000-35

OEM WHEEL 1/2" WIDE = 8000-30

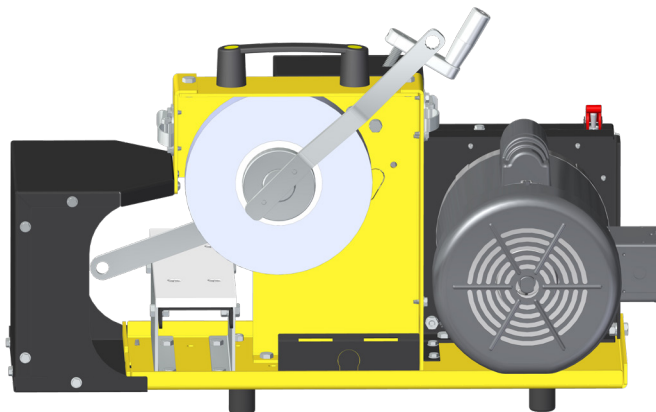
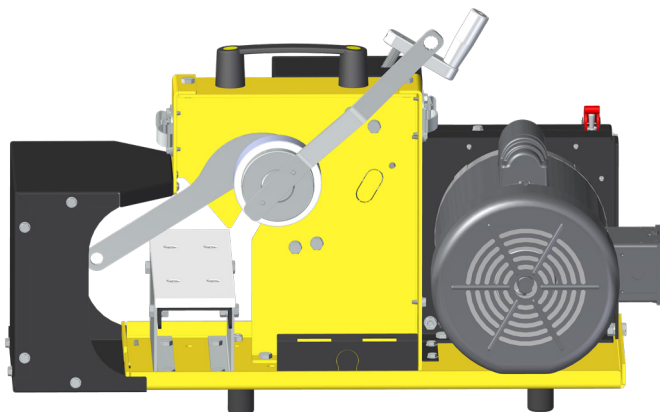
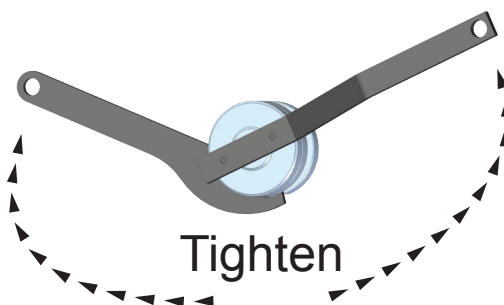
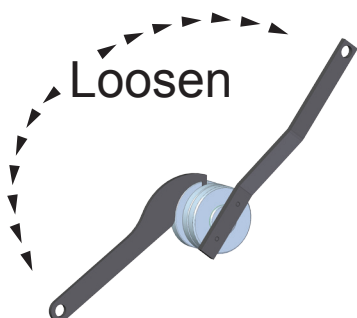
OEM ABRASIVE BELT 2" wide = 8200-215

**QUICK START
VIDEOS**

SCAN ME



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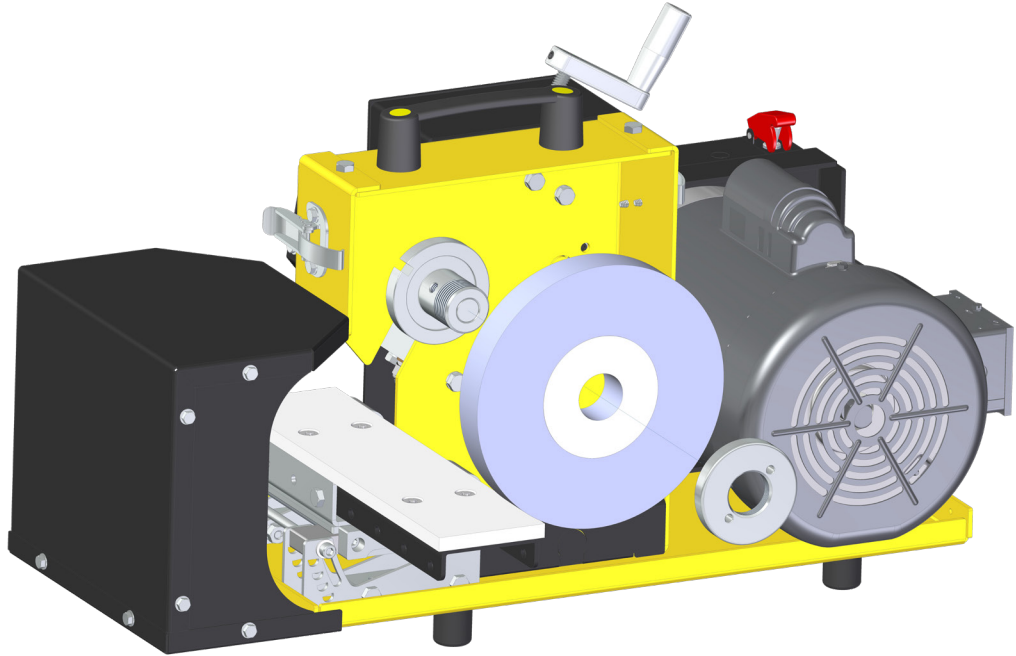
IMPORTANT - PLEASE READ!

MOUNTING 1" WIDE GRINDING WHEEL = ONLY ARBOR NUT

1" WIDE WHEEL + FLAT WHITE TABLE = CONVENTIONAL FLAT BLADES

MOUNTING ORDER

1. WHEEL
2. ARBOR NUT



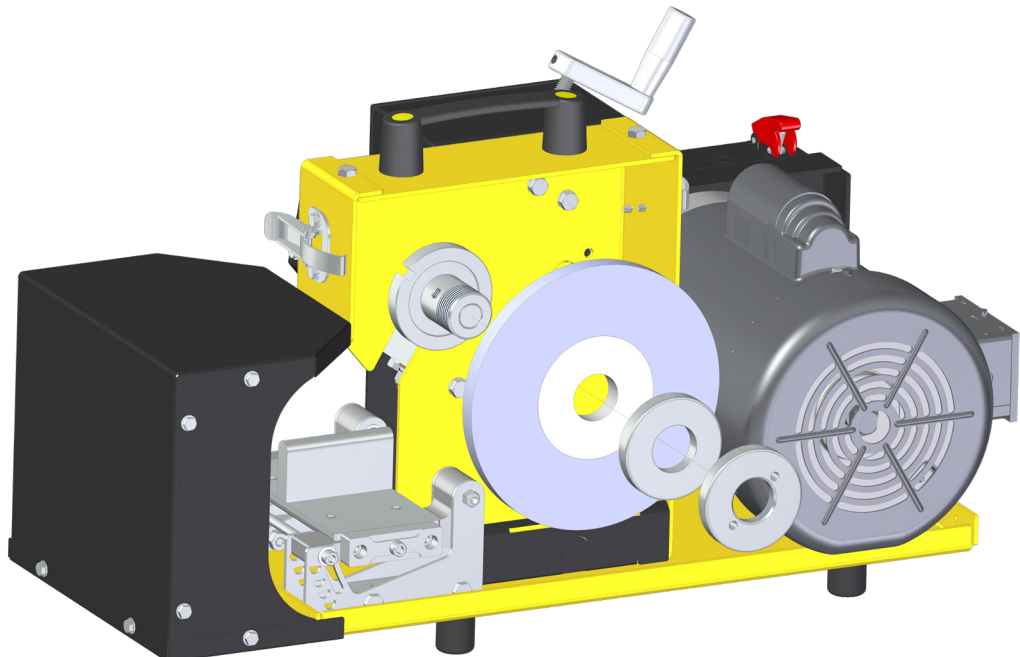
IMPORTANT - PLEASE READ!

MOUNTING 1/2" WIDE GRINDING WHEEL = SPACER + ARBOR NUT

1/2" WIDE WHEEL + ROUNDED METAL TABLE = CURVED MULCHING BLADES

MOUNTING ORDER

1. WHEEL
2. SPACER
3. ARBOR NUT



UPGRADING TO THE BELT GRINDER OPTION



CAUTION

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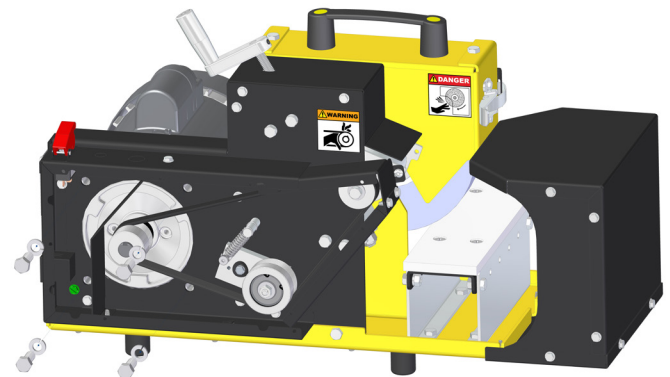
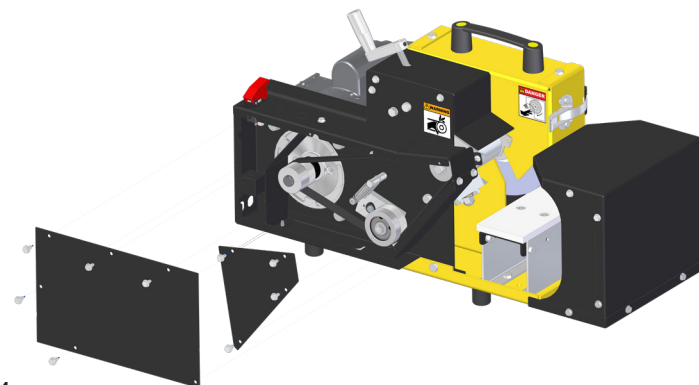
This will guide you through the steps to upgrade your 8200 into the 2" wide belt grinder. Do this conversion on a work bench or larger table so you have room to work. The motor is tethered to the body, so you need a place to set the motor next to the body. Watch the step by step video for an easy install, scan quick start QR code.

1. Unplug the MAG-8200
2. Remove the front cover
3. Remove the grinding wheel
4. Remove both pulley covers.
5. Remove the motor.
6. Remove the rear adjustment cover.
7. Bolt the bearing pivot block to the back of the adjustment truck with 4 cap screws.
8. Install the 1/4-20x1/2" socket screw and nut in the hole above the knockout.
9. Replace the rear adjustment cover.
10. Install the motor
11. Install the drive belt
12. Replace the pulley covers starting with the triangular one first
13. Knock out the oval steel knock out from the grinding cavity.
14. Hook the two springs into the yellow body
15. Guide the tapered rod of the idler pulley assembly into the bearing block. It will take a little force to push the rod into the bearing block.
16. Place the other end of the springs to the shoulder bolt of the idler pulley assembly.
17. Install the 6" contact wheel using the arbor nut.
18. Raise the crank handle up until the contact wheel and idler pulley are almost touching.
19. Slide the abrasive belt over contact wheel and idler pulley.
20. Lower the contact wheel down to the 30 degree position.
21. Rotate the contact wheel by hand to check belt tracking. (see page 28 to adjust tracking)

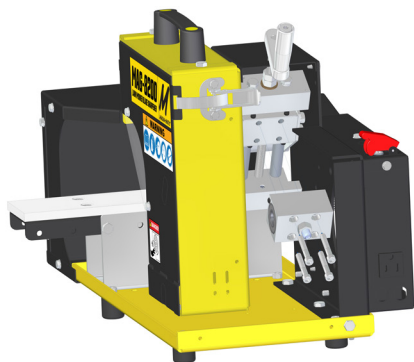
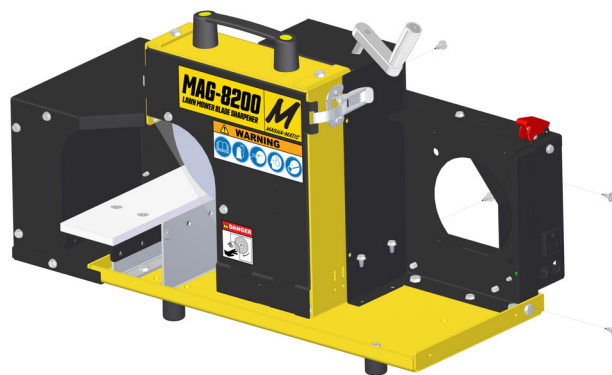
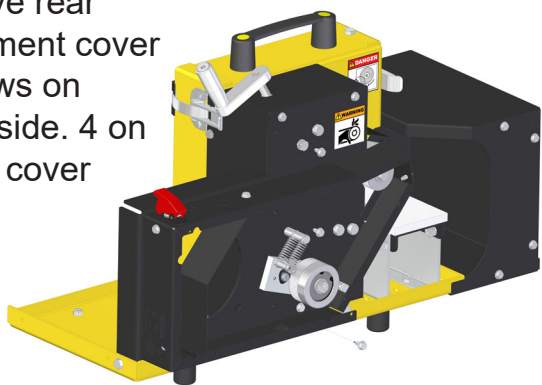


Remove the motor

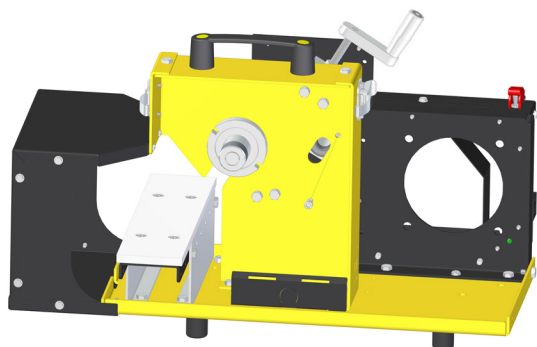
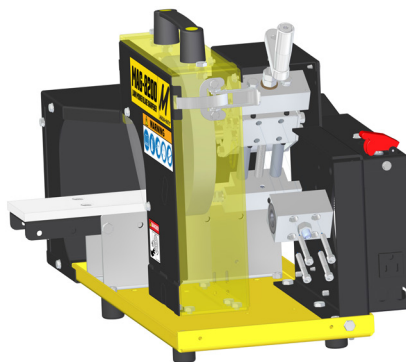
Remove pulley guards.



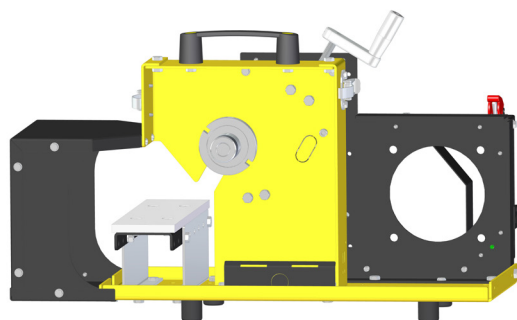
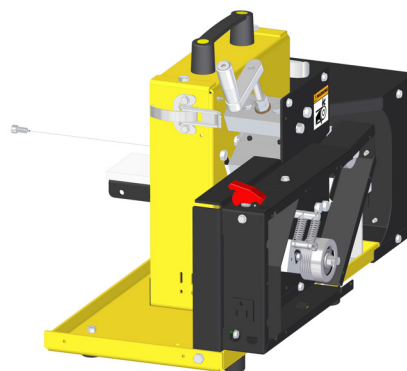
Remove rear
adjustment cover
3 screws on
pulley side. 4 on
rear of cover



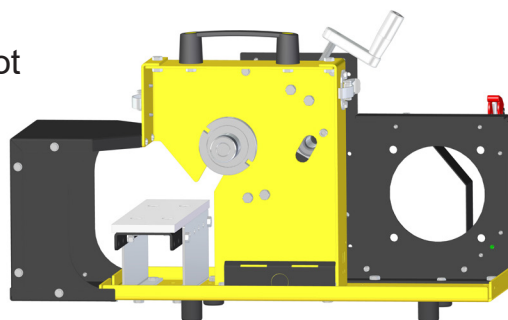
4 Socket screws
connect pivot
bearing block to
adjustment truck.



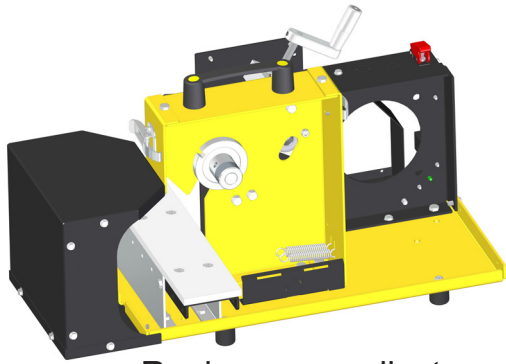
Install 1/2" long
socket screw with
1/4" nut in yellow
body.



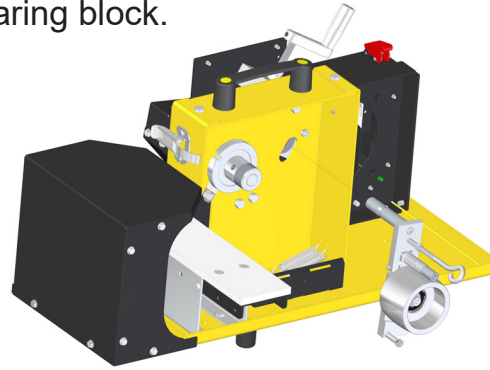
Knockout the
oval blank to
expose the pivot
bearing block.



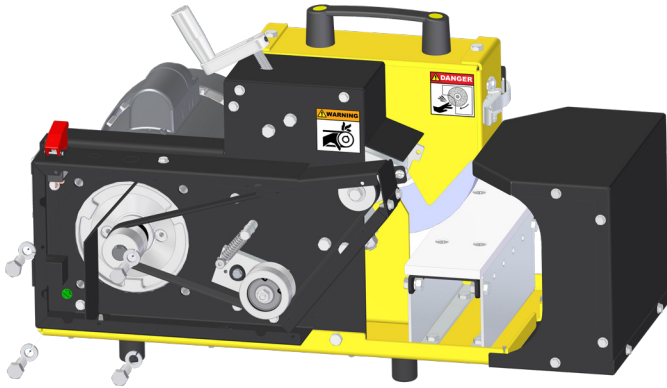
Connect the two springs to the yellow body



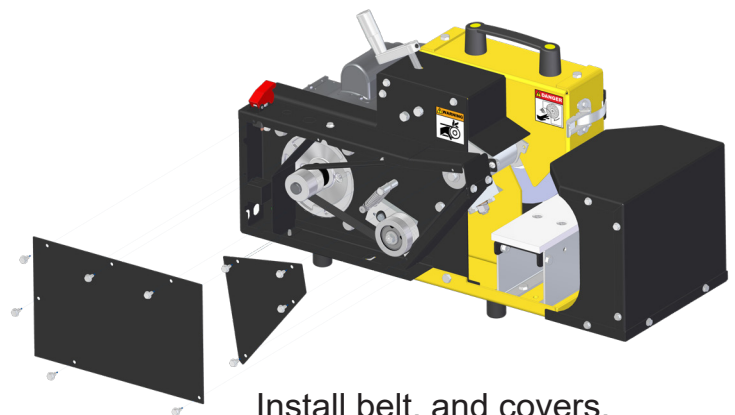
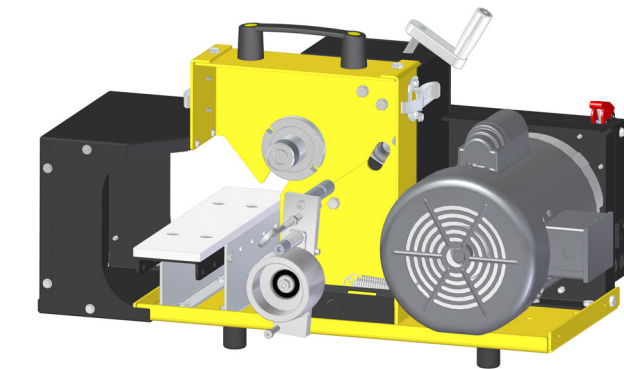
Insert the idler pulley assembly into the pivot bearing block.



Replace rear adjustment cover

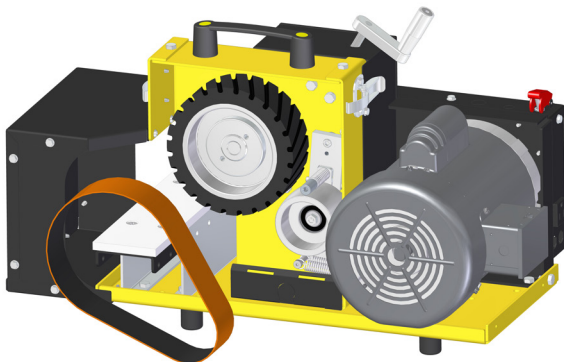


Reinstall the motor

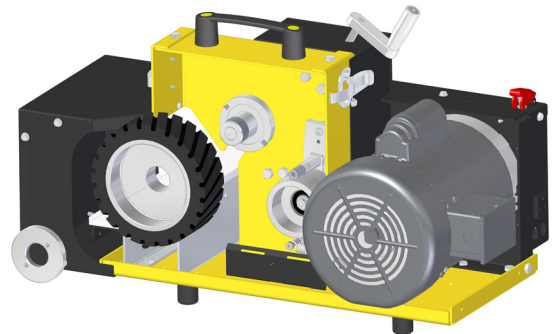


Install belt, and covers.

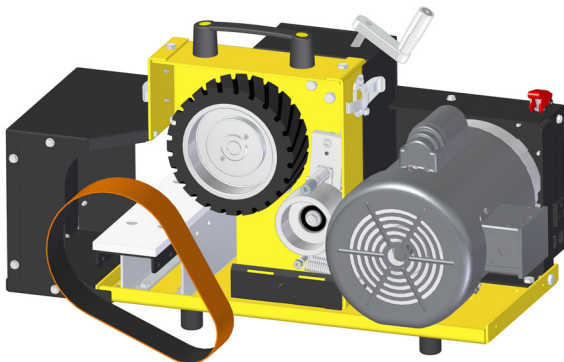
Insert the idler pulley assembly into the pivot bearing block, and slip springs on to shoulder bolt.



Mount the contact wheel in the same manner you would install a grinding wheel.



Raise the crank handle until the contact wheel and idler pulley get very close together, this will give you the clearance to slip the belt over both pulleys.



Replace front cover guard.

MAG-8200 DRIVE BELT REPLACEMENT



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GENERAL CARE:

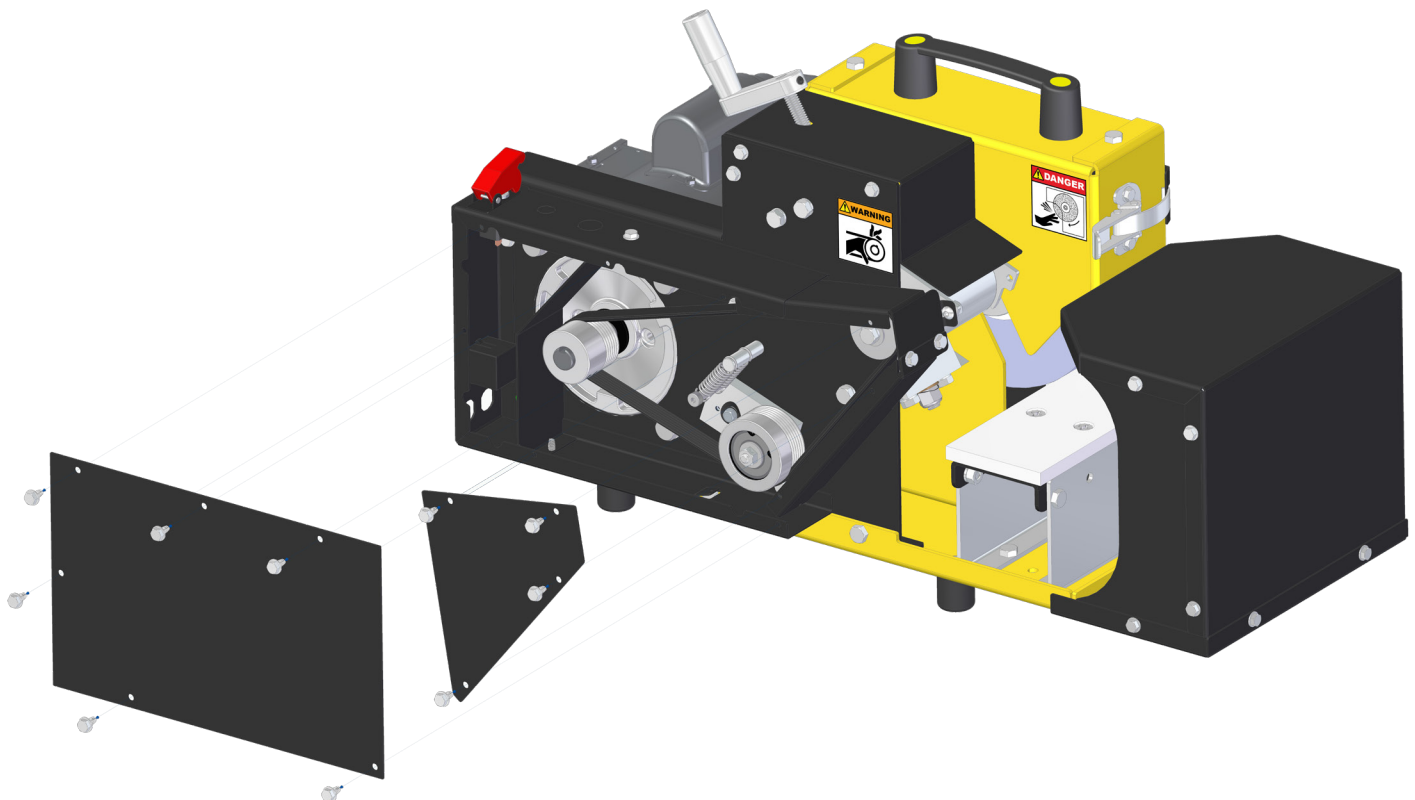
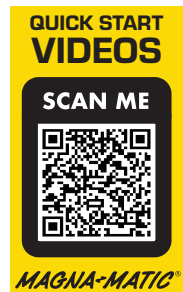
Keep the MAG-8200 clean, use compressed air to blow the machine off periodically. Use mild soapy water to clean powder coated surfaces and Lexan® guards. Remove large build-ups of grit in the grit guard, and inside the MAG-8200 body.

Scan the quick start QR code to watch a video how to change the belt.

POLY-V BELT REPLACEMENT

Belt replacement is fast and easy with our spring loaded active idler pulley.

1. Remove the two pulley covers.
2. Start the new belt over the drive pulley, then under the idler pulley.
3. Pull the belt over the motor pulley on the smooth surface.
4. Rotate the pulleys to walk the belt ribs into seating into all three pulleys.



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ABRASIVE BELT REPLACEMENT



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Be sure the MAG-8200 power cord is unplugged. Remove the front steel grinding wheel cover by releasing the two catch clamps on each side of the grinding cavity. Use the crank handle to raise up the contact wheel. The idler pulley will get closer to the contact wheel as you turn the crank handle. This will take the tension off the abrasive belt and allow it to slide off easily.

Always inspect abrasive belt for possible damage - never mount a torn belt or one with a compromised seam.

Before turning on the sharpener check the belt tracking by hand. Do this by rotating the contact wheel clockwise by hand. Scan the QR code to see the video.

Tracking adjustment - adjust tracking with supplied T-handle wrench.

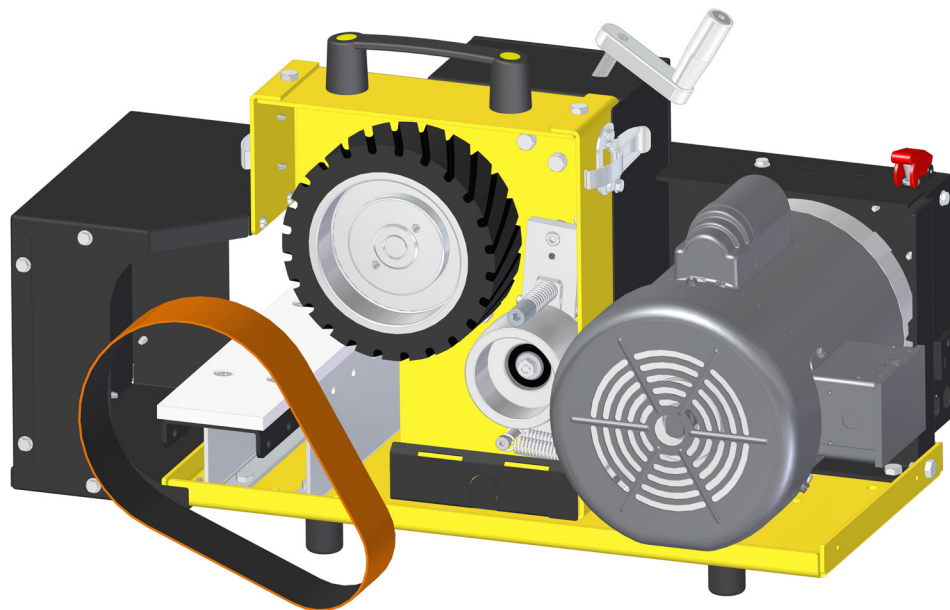
- Clockwise rotation will track the belt away from you.
- Counter-clockwise rotation will track the belt towards you.

MAKE VERY SMALL ADJUSTMENTS TO TRACKING - IT IS VERY SENSITIVE.

A SMALL ROTATION WILL MOVE THE BELT QUITE A BIT.

WATCH THE VIDEO FOR GUIDANCE, IF YOU ARE UNFAMILIAR WITH BELT GRINDERS. Scan the QR code for videos.

OEM ABRASIVE BELT 2" wide = 8200-215



CHANGING FROM A BELT TO A GRINDING WHEEL



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Scan the QR code to watch a how-to-video.

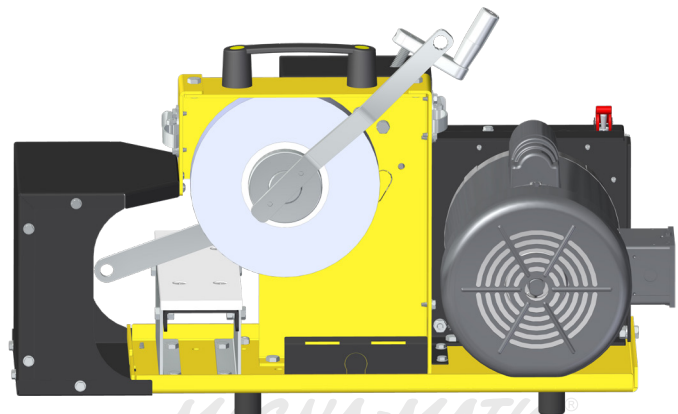
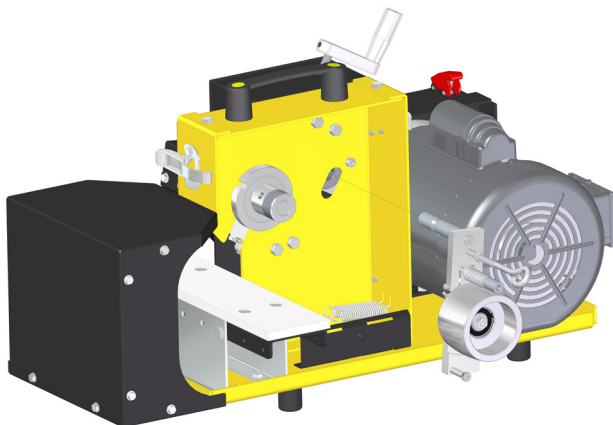
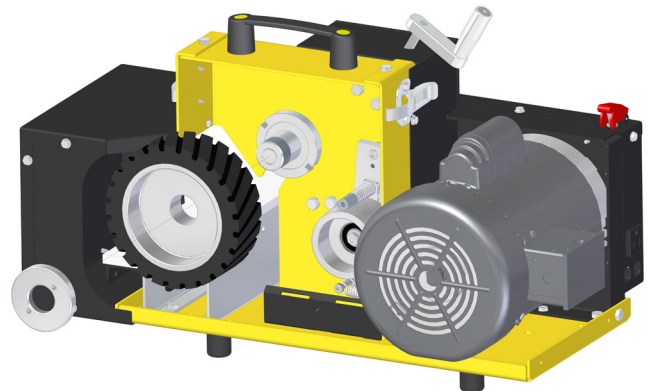
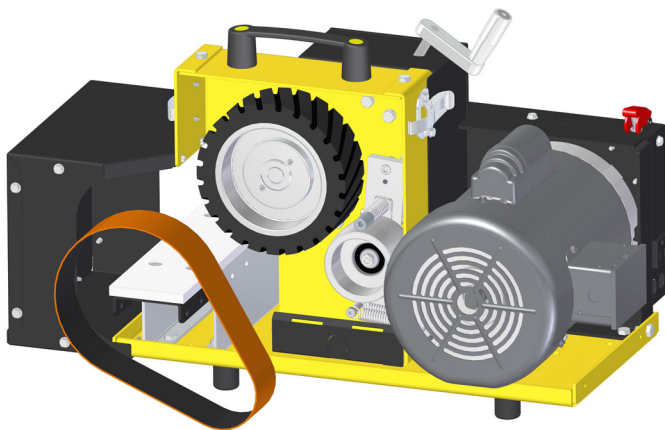
1. Remove the abrasive belt.
2. Remove the contact wheel in the same manner you remove a grinding wheel.
3. Lower the crank handle to take all the tension off of the two springs below the idler pulley.
4. Unhook the two springs from the idler pulley assembly.
5. Thread the eyelet tool into the hole above the idler pulley.
6. Pull the idler pulley assembly out.
7. Install the grinding wheel.

QUICK START
VIDEOS

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