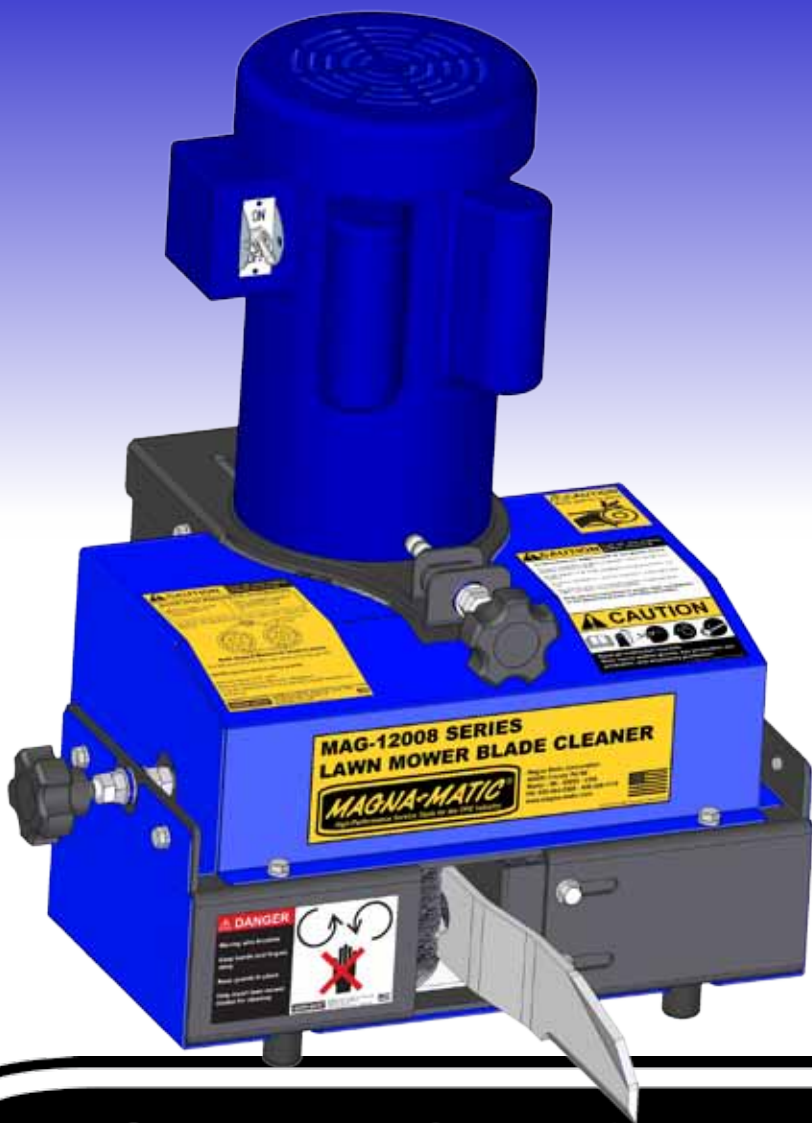


OPERATOR'S MANUAL

MAG-12008 SERIES

Lawn Mower Blade Cleaner



MAGNA-MATIC®
High-Performance Service Tools for the OPE Industry

THANK YOU,

We sincerely appreciate your decision to make the MAG-12008 your lawn mower blade cleaner. We understand there are other choices in the marketplace, and we are extremely confident that after the first few blades you've cleaned, you will know that you have chosen the best machine for the job. Rest assured that if you have a question or problem you will have complete customer support behind the MAG-12008.

800-328-1110 (USA & CANADA) or 920-564-2366
<http://www.magna-matic.com>

MAG-12008 SERIES LAWN MOWER BLADE CLEANER



BOX INVENTORY

UNPACK MAG-12008

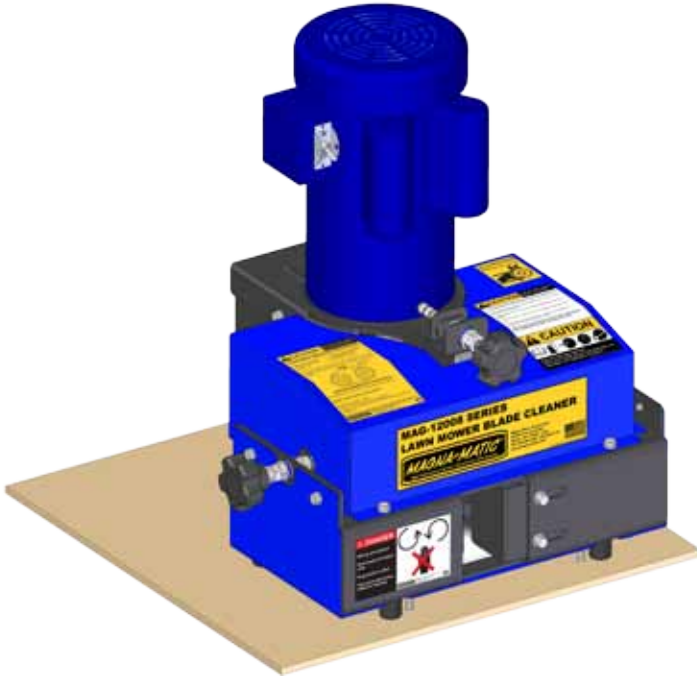
Unpack the MAG-12008, please keep the box and packaging in case of shipping damage or any need for return.

REMOVING WOOD SHIPPING BASE

You will require a 1/2" wrench to remove the (4) 5/16" bolts holding the wood shipping base. Refer to the picture below.

ASSEMBLY NOTES

The MAG-12008 comes completely assembled, no additional assembly is required. See page 6 for testing and inspection.



THE SAFE WAY IS THE ONLY WAY TO CLEAN!



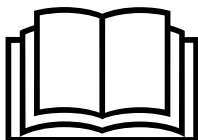
WARNING

WHEN USING ELECTRIC TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, AND PERSONAL INJURY.



CAUTION

LAWN MOWER BLADES HAVE SHARP EDGES - ALWAYS WEAR PROTECTIVE GLOVES AND SAFETY GLASSES!



Before handling any equipment read and understand the instructions.

- **Grounding Instructions** - This tool must be grounded while in use to protect the operator from electric shock. The tool is equipped with an approved three conductor cord and three prong grounding type plug to fit the proper grounding type receptacle. The green (or green and yellow) wire is the grounding wire.
- **Extension Cords** - Use only three wire extension cords which have three prong grounding type plugs and three pole receptacles which accepts the tool's plug. Replace or repair damaged cords.
- **Keep Work Area Clean** - Cluttered areas and benches invite accidents.
- **Consider Working Environment** - Don't use power tools in damp or wet locations. Keep work area well lit. Don't expose power tools to rain. Do not use tool in presence of flammable liquids or gases.
- **Keep Children Away** - All visitors should be kept a safe distance from the work area. Do not let visitors have contact with the tool or the extension cord.
- **Store Idle Tools** - When not in use, tools should be stored in dry, high or locked-up places out of reach of children.
- **Do Not Force Tool** - It will do the job better and safer at the rate for which it was designed.
- **Do Not Over-Reach** - Keep proper footing and balance at all times
- **Use Safety Glasses** - Also face or dust mask-wrap around goggles, or other eye protection.



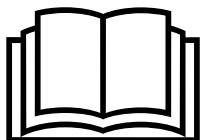
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CAUTION

LAWN MOWER BLADES HAVE SHARP EDGES - ALWAYS WEAR PROTECTIVE GLOVES AND SAFETY GLASSES!



Before handling any equipment read and understand the instructions.

- **Wear Proper Apparel** - Do not wear loose clothing or jewelry that can get caught in moving parts. Gloves and non-skid footwear are recommended when working. Wear protective hair covering to contain long hair.
- **Do Not Abuse Cord** - Never carry tool by cord or pull it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- **Disconnect Tool** - When not in use; before servicing; when changing brushes.
- **Avoid Accidental Starting** - Don't carry plugged in tool. Be sure switch is off when plugging in.
- **Brushes** - Use only brushes having a maximum operating speed of 4500 RPM. KEEP GUARDS IN PLACE.
- **Guard Against Electrical Shock** - Prevent body contact with grounded surface. For example: pipes, radiators, etc.
- **Stay Alert** - Watch what you are doing. Use common sense. Do not operate tool when you are tired, or under the influence of any drugs or alcohol.
- **Check Damaged Parts** - Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, breakage of parts, mounting and any other condition that effect its operation. All parts should be properly repaired or replaced. Do not use this tool if the switch does not turn it on or off.
- **Never Leave Tool Unattended** - Turn the power off. Don't leave the tool until it comes to a complete stop.
- **ONLY Insert lawn mower blades** - The MAG-12008 is only intended for the cleaning of lawn mower blades.

FIRST TIME TESTING



CAUTION

**TURN OFF
AND UNPLUG
BEFORE SERVICING!**



WARNING

**WHEN USING ELECTRIC TOOLS, BASIC
SAFETY PRECAUTIONS SHOULD ALWAYS
BE FOLLOWED TO REDUCE
THE RISK OF FIRE, ELECTRIC SHOCK,
AND PERSONAL INJURY.**

FIRST USE INSPECTION

This is an important inspection to check for any possible shipping damage. The MAG-12008 is inspected and tested at the factory and packaged to be ready-to-use, however shipping damage or very rough handling could cause mis-alignments.

1. Check brush engagement page 12
2. Check belt tension page 16
3. Check brush safety guard adjustment page 13

DUAL VOLTAGE MOTOR

The MAG-12008 is shipped wired as 220 volt.

The 1.5 HP industrial motor used in the MAG-12008 is a dual voltage motor, it can be wired to run 110 volt or 220 volt. When possible, Magna-Matic recommends the 220 volt option for a greater performance and torque. See motor wiring diagram on page 10 to change the motor to 110 volt, the cord end will also need to be changed to a 110 volt plug.

AFTER THE FIRST 24 - 48 HOURS OF USE

Re-tension the belt after the first 24 to 48 hours of operation, when belts will be completely seated in grooves. See page 16

FACTORY TESTING

After the MAG-12008 is assembled at the factory it is inspected and tested. The cleaner is run for 5 minutes continuous to aid in belt tension and belt seating. After 5 minutes run time, the belt is re-tensioned. The above testing procedures are to check for any possible damage or changes due to shipping, and for your safety.

OPERATION/SAFETY

! DANGER

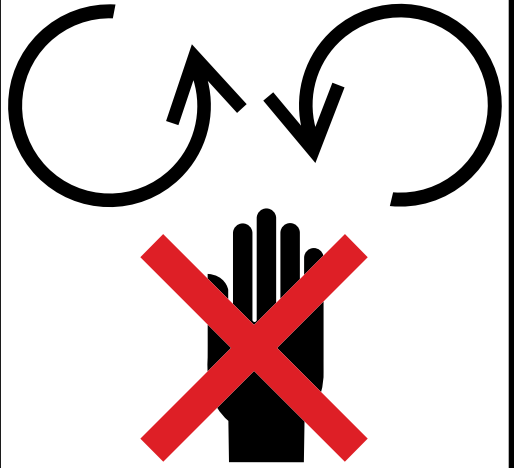
Moving wire brushes

Keep hands and fingers
away

Keep guards in place

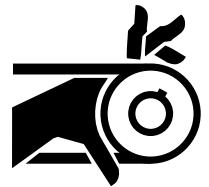
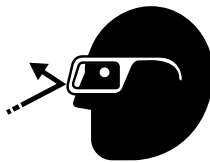
Only insert lawn mower
blades for cleaning

Wear heavy leather
gloves during use



© 2010 Magna-Matic Corporation - MADE IN USA

**NEVER OPERATE THE MAG-12008
WITHOUT HEAVY LEATHER GLOVES -
BLADES HAVE SHARP EDGES
!WEAR SAFETY GEAR!**



**It is REQUIRED to use a
vacuum or air cleaner with the MAG-12008.**

If the MAG-12008 is not attached to a vacuum or
other air cleaning device a face mask or respirator
must be worn.



OPERATION

The MAG-12008 is intended ONLY for the cleaning of lawn mower blades. Follow these instructions to properly operate the MAG-12008 and achieve the highest productivity.

1. Wear proper safety gear as outlined in this manual. (refer to page 6)
2. Ensure there is nothing in the brush opening
3. Place the ON/OFF SWITCH in the ON position (located on the motor)
4. Hold the lawn mower blade firmly with both hands, while wearing protective leather gloves. **NEVER** stand in the path of the brush opening.
5. Insert the lawn mower blade slowly into the brushes. As the blade is inserted you may feel a slight push or pull. This is caused by the lift of the blade, or other curvatures.
6. **NEVER INSERT MORE THAN HALF OF THE BLADE INTO THE MAG-12008**
7. Generally a blade will require approximately 30 seconds per half of the blade.
8. Repeat steps 1-6 on the remaining dirty half of the blade.
9. To apply additional pressure to the lift or other curvatures in a lawn mower blade to remove debris from the corners. It is acceptable to move the blade to the left or right - using it as a lever against the brushes to concentrate the brushes in one place on the blade.



BLADE SERVICE

The MAG-12008 Lawn Mower Blade Cleaner is only ONE step in the process to properly servicing a lawn mower blade. In this section we will provide a short synopsis - please refer to details in your balancing instrument, and sharpener manuals.

After the lawn mower blade has been cleaned:

1. Visually inspect the blade for cracks or fractures
(ALWAYS DISCARD FRACTURED BLADES)
2. Place the lawn mower blade on the MAG-1000 Series Balancing Instrument to check the straightness to see if the blade has been bent from use.
(ALWAYS DISCARD BENT BLADES)



WARNING

**NEVER WELD OR BEND
A LAWN MOWER BLADE - YOU WILL
CREATE FRACTURES OR WEAKEN THE
HARDENING OF THE BLADE
DISCARD BENT BLADES!**



CAUTION

**LAWN MOWER BLADES HAVE SHARP
EDGES - ALWAYS WEAR PROTECTIVE
GLOVES AND SAFETY GLASSES!**

3. If the lawn mower blade is free from fractures and straight, next sharpen both edges of the blade at a consistent angle with either the MAG-8000 or MAG-9000 Professional Lawn Mower Blade Sharpeners (see MAG-8000 or MAG-9000 manual)
4. Once both edges are at the proper angle and sharp, place the lawn mower blade on the MAG-1000 Series Balancing Instrument to check the balance. (see MAG-1000 manual)
5. Lastly the blade should be packaged to return it to the customer - or mounted back onto the lawn mower.

MOTOR WIRING



CAUTION

**TURN OFF
AND UNPLUG
BEFORE SERVICING!**



WARNING

**WHEN USING ELECTRIC TOOLS, BASIC
SAFETY PRECAUTIONS SHOULD ALWAYS
BE FOLLOWED TO REDUCE
THE RISK OF FIRE, ELECTRIC SHOCK,
AND PERSONAL INJURY.**

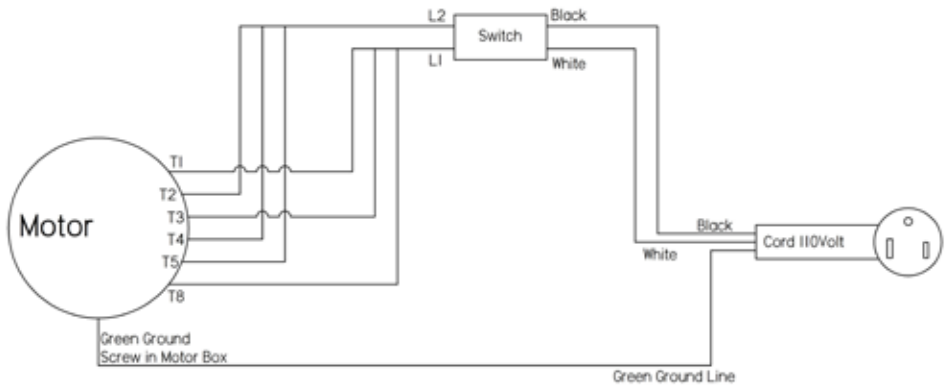
The MAG-12008 Lawn Mower Blade Cleaner comes from the factory as a 220 volt / 60 hz motor. This is the most efficient and powerful configuration, however if 220 volt power is not available the motor can be wired to use 110 volt power.

Follow the instructions below to change the MAG-12008 from 220 volt operation to 110 volt operation.

There are two requirements to change the voltage of the motor:

1. Re-wire the motor for 110 volt
2. Change cord or plug end



MOTOR WIRING FOR 110 VOLT



CORD / PLUG CHANGE

There are two options for changing the cord/plug.

1. First is getting a whole new cord set, and wiring it into the motor box.
2. Second is cutting the end of the male plug off, and replacing it with a new male plug end. These male plug ends are available at any hardware store (see example image.)

| 110v Plug end | 110v Cord set |
|---|--|
|  |  Plug Conductor |

BRUSH SPECIFIC SAFETY INFORMATION

READ THIS PAGE

Summary - Power Brush Safety Requirements

1. **Safety Goggles:** Safety goggles or full face shields worn over safety glasses with side shields MUST BE WORN BY ALL OPERATORS IN THE AREA of power brush operations. Comply with the requirements of ANSI Z87.1 "Occupational Eye and Face Protection."
2. **Guards:** Keep all machine guards in place.
3. **Speeds:** Observe all speed restrictions indicated on the brushes, containers, labels, or printed in pertinent literature. "MSFS" means Maximum Safe Free Speed (R.P.M.) - spinning free with no work applied. For reasons of safety the "MSFS" should not be exceeded under any circumstance.
4. **Safety Standard:** Comply with the Safety Standard of the Industrial Division of the American Brush Manufacturers' Association and the American National Standards Institute Standard ANSI B165.1 "Safety Requirements - Power Brushes."
5. **Protective Equipment:** Appropriate protective clothing and equipment (such as gloves, respirator, etc) must be used where a possibility of injury exists that can be prevented by such clothing or equipment.

Warning: In normal power brushing operations the material being removed, such as burrs, scale, dirt, weld slag, or other residue, will fly off the brush with considerable force along with the brush filaments which break off due to fatigue.

The potential of serious injury exists for both the brush operator and others in the work area (possibly 50 or more feet from the brush). To protect against this hazard, before rotating the brush operators and others in the area must wear SAFETY GOGGLES or FULL FACE SHIELDS WORN OVER THE SAFETY GLASSES WITH SIDE SHIELDS, along with PROTECTIVE CLOTHING.

You must follow all operator and safety instructions, as well as common safety practices which will reduce the likelihood of severity of physical injury.

Many brush manufactures mark some safety warnings, recommendations, and usage restrictions directly on the product. It is not always practical to include even the most limited safety information on the brush itself. Therefore the operator MUST READ and FOLLOW all instructions supplied in or on the product container as well as those marked on the product itself. The operator should also refer to the safety and operating information printed in the brush manufacturer's catalog and other literature.

Pressure: Avoid excessive pressure when using a power brush. Excessive pressure causes over-bending of the filaments and heat build-up resulting in filament breakage, rapid dulling, and reduced brush life.

Inspection and Storage: Upon receipt, inspect brushes for damage rust, and deterioration. Store in original containers in a clean, dry location. Do not allow distortion of brush filaments/components or foreign matter to become lodged in brush face.

Dust and Fumes: Wear respiratory protection against this hazard (see ANSI Z88.2).

Speed: Make sure the maximum operating speed (Max. RPM) marked on the wire brush is at least as high as the "NO LOAD" speed shown on the nameplate of the power tool.

Starting the brush: Before rotating the brush, during rotation, and until rotation stops, operators and other in the area must wear safety goggles, or full face shields over safety glasses with side shields. Brushes should be run at operating speed for at least one minute before applying work. Inspect for flutter or vibration that might be caused by poor installation or a damaged brush. During this time, no one is to stand in front of or in line with the brush.

Mounting brushes: Inspect brushes before mounting for damage, rust or other types of deterioration. Brush arbor hole and spindle diameter should be the same. Install the brush securely on the tool.

Brush problems: Do Not Allow Unsafe Conditions to Continue - Occasionally due to worn bearings, a bent spindle, and unusual application, operator abuse, or inappropriate use, a brush may fail. Do not use or continue to use a failed brush or one which is functioning improperly (i.e., throwing filaments, out-of-balance, etc) as this increases the possibility for further brush failure and hazard of injury. The cause of failure should be evaluated and corrected.

ABMA - 2111 West Plum St, Ste 274 - Aurora IL 60506 - www.abma.org

This information is based on the collective experience of the ABMA Industrial Division members and provided solely as a public service for the guidance of the users of the members' products. These recommendations are not necessarily complete with respect to any particular application and common sense safety considerations should be adhered to generally. Any applicable federal, state, local law or regulation, must be strictly adhered to, and its controlling over any recommendation contained herein.

AVAILABILITY OF ANSI STANDARDS

On this page reference is made to these ANSI Standards: ANSI B165.1, ANSI Z87.1, ANSI Z88.2. Copies of these standards are available at Public Libraries and from American National Standards Institute Inc (ANSI) 1430 Broadway, New York, NY 10018, or ABMA.

BRUSH ADJUSTMENT



CAUTION

**TURN OFF
AND UNPLUG
BEFORE SERVICING!**

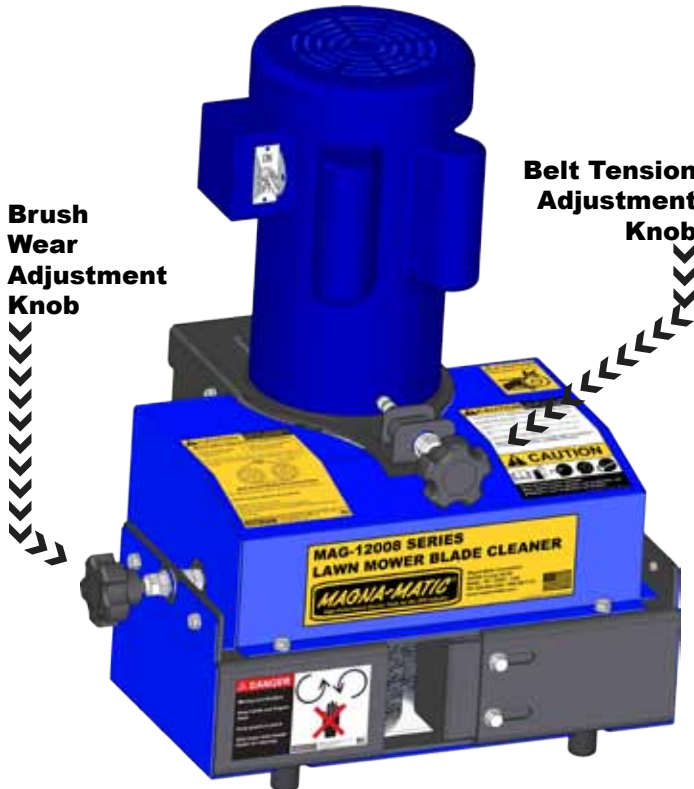
Brush adjustments will need to be made as the brushes wear. There are two knobs for adjustments. The knob on the left-side moves the left-side brush for wear adjustment. The knob in the center below the motor moves the motor to increase or reduce belt tension.

TO MOVE THE BRUSHES TOGETHER:

1. Rotate the brush knob counter-clockwise
2. Rotate the motor knob counter-clockwise an equal number of rotations to increase belt tension

TO MOVE THE BRUSHES APART:

1. Rotate the brush knob clockwise
2. Rotate the motor knob clockwise an equal number of rotations to increase belt tension



BRUSH GUARD ADJUSTMENT



CAUTION

**TURN OFF
AND UNPLUG
BEFORE SERVICING!**

There is a brush safety guard between the two gangs of brushes in the MAG-12008, this prevents the right-hand brush from kicking the blade towards the operator. When the brushes are adjusted for wear, the brush safety guard must also be adjusted to cover the right-hand brush.

1. Turn off, and unplug the MAG-12008
2. Loosen the (2) two 5/16" bolts (1/2" wrench required)
3. Slide the brush safety guard so that the guard covers the right-hand brush.
4. Place the guard in the position shown in the image below.
5. Torque the (2) two 5/16" bolts to 15 ft-lbs



BRUSH ENGAGEMENT

The space between the brushes should be approximately 1/2 the thickness of the blade. The right and left gangs of brushes should not be touching each other. If the blade has very high lifts, or extreme curvatures, more space may be required between the brushes.

BRUSH REPLACEMENT



CAUTION

**TURN OFF
AND UNPLUG
BEFORE SERVICING!**



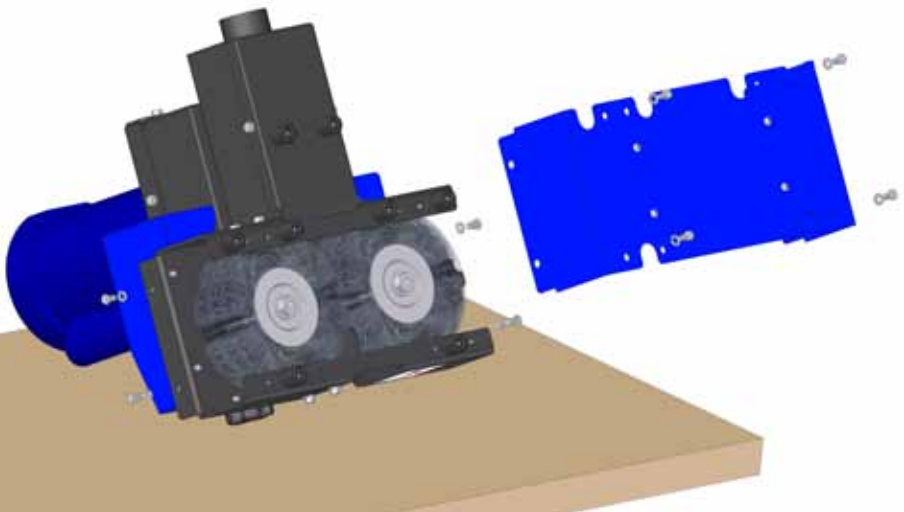
CAUTION

**WEAR PROPER SAFETY GEAR
GLOVES, EYEWEAR, AND FACE
MASK!**

REPLACE BRUSHES WHEN THEY REACH 6" DIAMETER

When brushes are less than 6" dia. they will not have the flexibility to move around the lift and other curvatures of a lawn mower blade.

1. Turn off, and unplug the MAG-12008
2. Lay the MAG-12008 on its face, so the bottom of the machine can be accessed. (see below)
3. Remove the (8) eight 5/16" bolts (1/2" wrench required)
4. Pull the base of the MAG-12008 off to expose the brushes
5. Remove the **LEFT-HAND THREADED** 5/8" nut holding the brushes on the drive shaft (15/16" wrench required) do this for both brush gangs.
- 6. WEAR GLOVES WHEN HANDLING THE BRUSHES, THEY ARE SHARP!**
7. Remove the brushes, and bushings, there is a bushing between each brush to evenly space them within the MAG-12008.
8. Replace all (6) six brushes
9. Torque the 5/8" nut to 45 ft-lbs
10. Replace the base of the MAG-12008



BELT/PULLEY GUARD REMOVAL

To remove the belt/pulley guard follow the outlined steps:

1. Turn off and unplug the MAG-12008
2. Remove the (6) six 5/16" hex bolts that fasten the pulley guard (1/2" socket required) (see first image below)
3. Remove the adjustment knob (3/4" wrench required)
4. Lift the back of the pulley guard up towards the front of the MAG-12008, pivoting off the front of the pulley guard. Then lift the pulley guard straight up. (see second image below)
5. With the cover off examine the belt tension.



BELT TENSION

INCREASING BELT TENSION

Adding tension is done by turning the motor knob counter-clockwise (this moves the motor pulley towards the back of the MAG-12008)

DECREASING BELT TENSION

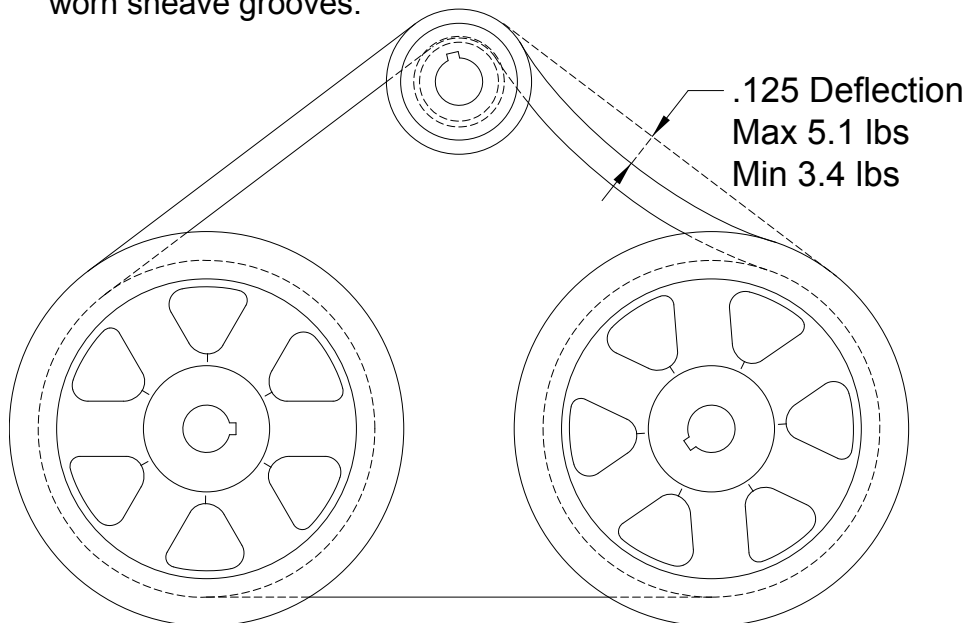
Reducing tension is done by turning the motor knob clockwise (this moves the motor pulley towards the front of the MAG-12008)

BELT WEAR

Over the life of the belt it will stretch, and belt tensioning will be required even if brush wear does not occur. Inspect belt tension each season or monthly under heavy use.

IMPORTANT BELT INFORMATION

- Ideal tension for a V-belt drive is the lowest tension at which a belt will not slip under peak load.
- Tension belt, replace belt guard, run the drive for 15 minutes, and apply full load. Re-tighten slipping or squealing belts.
- Re-tension the belt after the first 24 to 48 hours of operation, when belts will be completely seated in grooves.
- DO NOT use belt dressing. If belt slips, tighten and/or check for worn sheave grooves.



SPECIFICATIONS

The MAG-12008 can clean a lawn mower blade up to 30" long x 3.75" wide



| | |
|----------------------|-------------------------------|
| Dimensions L x W x H | 23" x 20" x 20" |
| Weight | 105 lbs |
| Motor Spec | Leeson Electric |
| Horse Power | 1.5 |
| RPM | 1725 |
| Duty Cycle | Standard |
| Hertz | 60 |
| Volts | 220V / 110V |
| Amps (start) | 106 amps / 53 amps |
| Amps (run) | 17 amps / 8 amps |
| Phase | Single |
| Capacitors | Dual (two capacitors) |
| Solid State Switch | No |
| Motor Type | Industrial - Totally Enclosed |
| Direction | Single Direction |
| Fan Cooled | Yes |
| Transmission | Belt Drive |
| Brush Diameter | 8 inches |
| Brush Type | Crimped Carbon Steel |

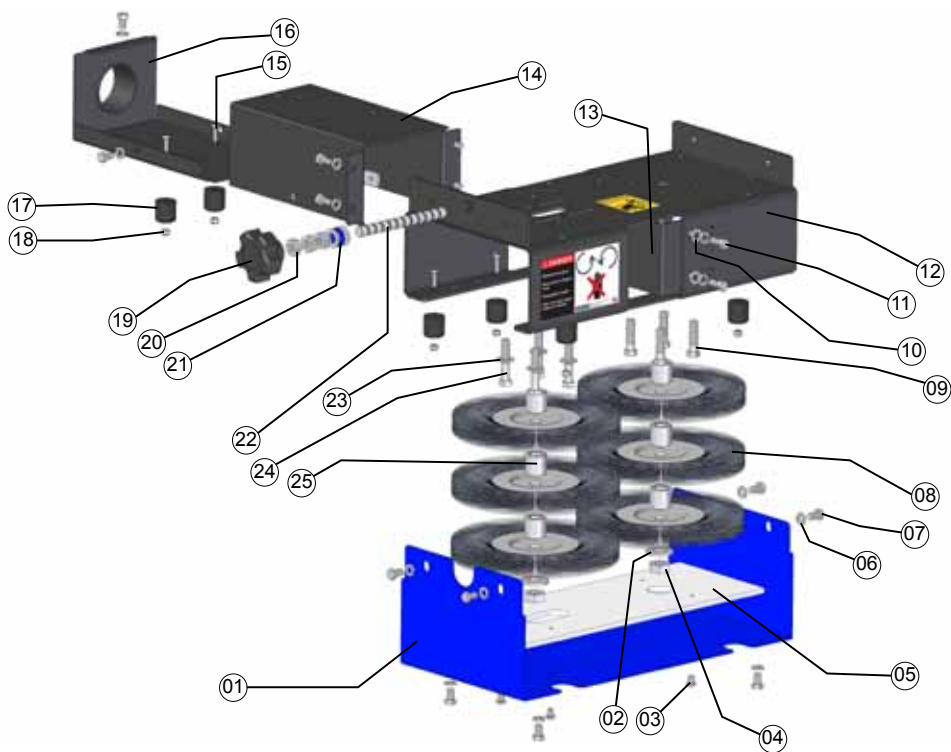
TROUBLESHOOTING

| PROBLEM | CAUSE | SOLUTION |
|---|---|---|
| Motor fails to start | Motor is mis-wired. | Verify motor is wired correctly per information supplied. |
| Motor fails to start | Fan guard bent/damaged and contacting fan. | Replace fan guard, if possible, straighten it. |
| Motor has been running, then fails to start | Fuse or circuit breaker tripped. | Replace fuse or reset the breaker. |
| Motor has been running, then fails to start | Capacitor (on single phase motor) may have failed. | First discharge capacitor. To check capacitor, set volt-ohm meter to RX100 scale and touch its probes to capacitor terminals. If capacitor is OK, needle will jump to zero ohms, and drift back to high. Steady zero ohms indicates a short circuit; steady high ohms indicates an open circuit. |
| Motor has been running, then fails to start | Starting switch has failed. | Disassemble motor and inspect both the centrifugal and stationary switches. The weights of the centrifugal switch should move in and out freely. Make sure that the switch is not loose on the shaft. Inspect contacts and connections on the stationary switch. Replace switch if the contacts are burned or pitted. |
| Motor has been running, then fails to start | Motor overloaded or load jammed. | Inspect to see that the load is free. Verify amp draw of motor versus nameplate rating. |
| Motor has been running, then fails to start | Stator is shorted or went to ground. Motor will make a humming noise and the circuit breaker or fuse will trip. | Disassemble motor and inspect windings and internal connections. A blown stator will show a burn mark. Motor must be replaced or the stator rewound. |
| Motor runs but dies down | Voltage drop | If voltage is less than 10% of the motor's rating contact power company or check if some other equipment is taking power away from the motor. If motor is run using an extension cord, verify that this extension cord is properly sized for motor's current draw. |
| Motor runs but dies down | Load increased | Verify the load has not changed. Verify equipment hasn't got tighter. If fan application verify the air flow hasn't changed. |
| Motor takes too long to accelerate | Defective capacitor | Test capacitor per previous instructions. |
| Motor takes too long to accelerate | Faulty stationary switch. | Inspect switch contacts and connections. Verify that switch reeds have some spring in them. |
| Motor takes too long to accelerate | Bad bearings. | Noisy or rough feeling bearings should be replaced. |
| Motor takes too long to accelerate | Voltage too low. | Make sure that the voltage is within 10% of the motor's nameplate rating. If not, contact power company or check if some other equipment is taking power away from the motor. |
| Motor runs the wrong direction | Incorrect wiring | Rewire motor according to wiring schematic provided. |
| Motor overload protector continually trips | Ambient temperature too high. | Verify that the motor is getting enough air for proper cooling. Most motors are designed to run in an ambient temperature of less than 40°C. (Note: A properly operating motor may be hot to the touch.) |
| Motor overload protector continually trips | Protector may be defective. | Replace the motor's protector with a new one of the same rating. |
| Motor overload protector continually trips | Winding shorted or grounded. | Inspect stator for defects, or loose or cut wires that may cause it to go to ground. |
| Start capacitors continuously fail. | Voltage to motor is too low. | Verify that voltage to the motor is within 10% of the nameplate value. If the motor is rated 115V, the deviation must be calculated from 115V. |

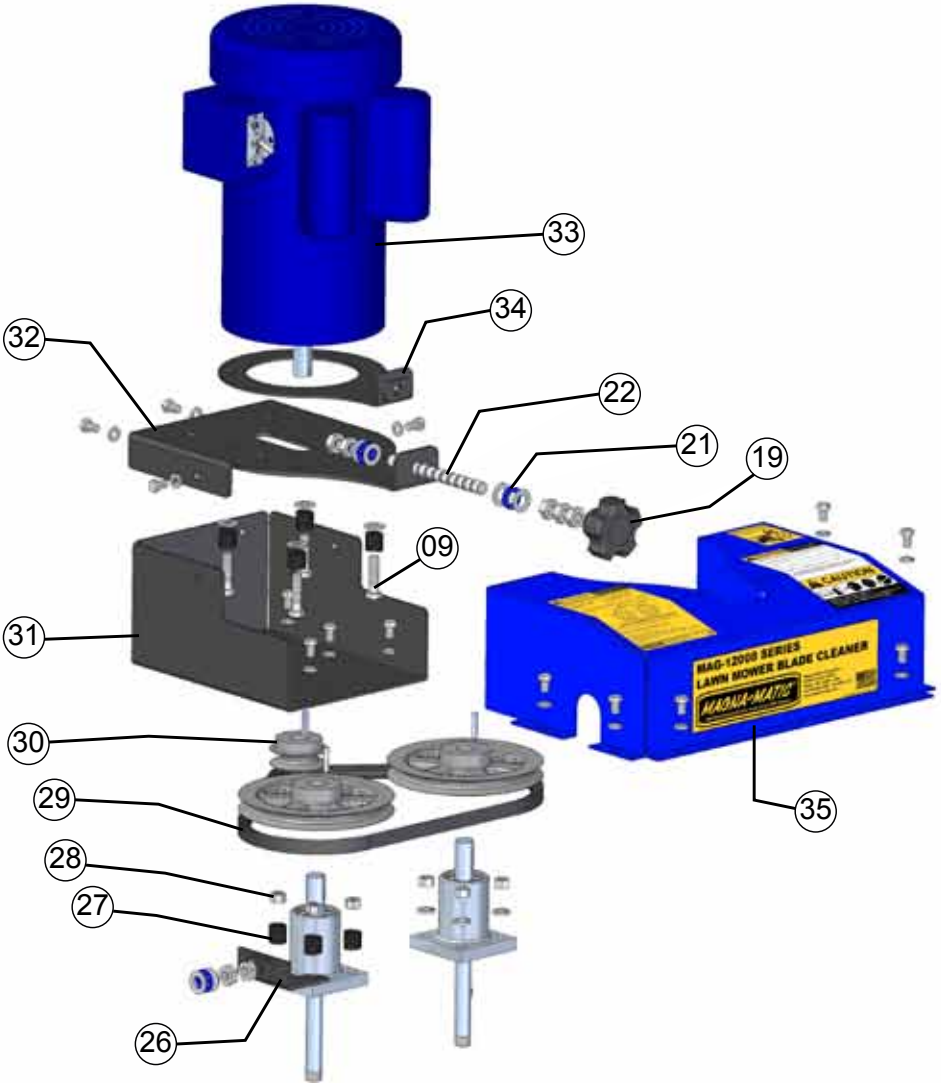
TROUBLESHOOTING

| PROBLEM | CAUSE | SOLUTION |
|--|---|---|
| Short belt life | Worn or damage grooves | Replace sheaves (pulleys) |
| Separation of cover plies. Soft, stick swollen side-walls. | Oil or grease | Remove source of oil or grease and clean belt with detergent and water. |
| Broken belt | Excessive tension | Reduce tension |
| Broken belt | Objects hitting belts | Protect drive with guards supplied |
| Spin burns | Slippage | Re-tension drive |
| Spin burns | Water or oil | Clean belt and protect guard |
| Unequal stretch | Mis-aligned drive | Re-align and re-tension drive |
| Belt noise | Slippage | Re-tension drive |
| Vibration | Belt too loose | Re-tension |
| Belt turnover | Debris in grooves | Clean grooves and protect drive with guard |
| Belt turnover | Mis-aligned sheaves (pulleys) | Re-align sheaves (pulleys) |
| Belt turnover | Worn sheave grooves (pulleys) | Replace sheaves (pulleys) |
| Brushes slip while cleaning a blade | Belt is loose | Re-tension drive |
| Brushes slip while cleaning a blade | Brush drive shafts have come loose | Remove brush cover page 15 and tighten brush shaft nuts |
| Blades are not coming out clean | Brushes are too far apart | Adjust brushes together as well as brush guard see page 13 |
| Difficult to adjust motor or brush | Object obstructing the path of adjustment | Inspect adjustment path and remove obstruction |
| Difficult to adjust motor or brush | Die springs are too tight | Re-tighten die springs to spec 0.75" (compressed spring height) |
| Adjustment moved on its own | Die springs are too loose | Re-tighten die springs to spec 0.75" (compressed spring height) |
| Motor does not start or hums | Brushes are interfering | Adjust brushes so they do not interfere see page 13 |

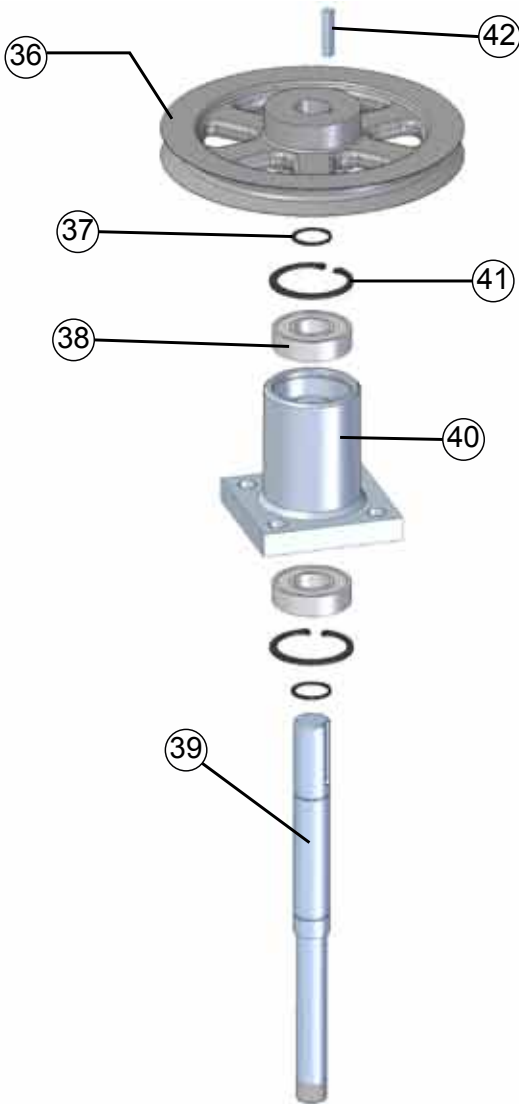
PARTS DIAGRAMS



PARTS DIAGRAMS



PARTS DIAGRAMS



MAG-12008 Spindle Parts Key

| Key # | Part # | Description |
|-------|----------|---------------------------------|
| 36 | 12008-19 | Brush pulley (2 req) |
| 37 | 12008-21 | External retaining ring (4 req) |
| 38 | 12008-17 | Bearing (4 req) |
| 39 | 12008-12 | Drive shaft (2 req) |
| 40 | 12008-13 | Bearing block (2 req) |
| 41 | 12008-22 | Internal retaining ring (4 req) |
| 42 | H-187KEY | 3/16" keyway square (3 req) |

PARTS DIAGRAMS

MAG-12008 Lower Parts Key

| Key # | Part # | Description |
|-------|--------------|---|
| 01 | 12008-07 | Brush cover (machine base cover) |
| 02 | H-625WFZ | Brush washer 5/8" (2 req) |
| 03 | H-25C37BSSZ | 1/4 button head screw 3/8" long (4 req) |
| 04 | H-625FLJNZ | 5/8" left-hand jam nut (2 req) |
| 05 | 12008-26 | plastic wear pad |
| 06 | H-31WLZ | 5/16" lock washer (32 req) |
| 07 | H-31C500HSZ | 5/16" bolt 1/2" long (30 req) |
| 08 | 12008-20 | Brush (6 req) |
| 09 | H-37C150HSZ | 3/8" bolt 1.5" long (8 req) |
| 10 | H-31WFZ | 5/16" flat washer (2 req) |
| 11 | H-31C75HSZ | 5/16" bolt 3/4" long (2 req) |
| 12 | 12008-08 | Main body |
| 13 | 12008-06 | Work table / brush safety guard |
| 14 | 12008-04 | Exhaust top box |
| 15 | H-18C75BSSss | 10-24 screw 3/4" long (8 req) |
| 16 | 12008-05 | Exhaust bottom box |
| 17 | 9000-11 | Rubber bumper (foot) (8 req) |
| 18 | H-18CNINFZ | 10-24 nylon insert nut (8 req) |
| 19 | 12008-32 | Knob 1/2" insert (2 req) |
| 20 | H-50CNFZ | 1/2" nut (10 req) |
| 21 | 12008-33 | 1/2" thrust bearing (4 req) |
| 22 | 12008-27 | Brush adjustment rod (2 req) |
| 23 | H-37WFZ | 3/8" flat washer (8 req) |
| 24 | H-37C200HSZ | 3/8" bolt 2" long (4 req) |
| 25 | 12008-11 | Brush spacer bushing |

MAG-12008 Upper Parts Key

| Key # | Part # | Description |
|-------|----------|--------------------------------|
| 26 | 12008-09 | Bearing block adjustment plate |
| 27 | 12008-24 | Die spring (8 req) |
| 28 | H-37CNFZ | 3/8" nut (8 req) |
| 29 | 12008-16 | Cogged V-belt |
| 30 | 12008-18 | Motor pulley |
| 31 | 12008-03 | Motor box bottom |
| 32 | 12008-02 | Motor box top |
| 33 | 12008-25 | 1.5 HP Motor |
| 34 | 12008-01 | Motor slider bracket |
| 35 | 12008-10 | Pulley guard/cover |

WARRANTY

This warranty is extended only to MAGNA-MATIC's commercial customers. To protect the quality of this tool, every step in its manufacture has been carefully controlled. It is constructed of only the finest materials by skilled craftsmen who take pride in their work. MAGNA-MATIC CORP. warrants the tools manufactured and/or repaired to be free of defects in material and workmanship for a period of 365 days after purchase. Any tool or part proved to MAGNA-MATIC's satisfaction to be defective during that period will be repaired or replaced at MAGNA-MATIC's option if returned prepaid. MAGNA-MATIC's sole obligation and your exclusive remedy under this warranty shall be limited to such repair or replacement. In no event shall MAGNA-MATIC be liable for any consequential or incidental damages. This warranty does not apply to parts (motor & grinding wheel) not manufactured by MAGNA-MATIC or failing due to ordinary wear, subjected to abuse, accidental damage, improper operations, maintenance or repair, or to other damage by circumstances beyond MAGNA-MATIC's control.

This warranty is exclusive and in lieu of all other expressed or implied warranties including without limitation, the implied warranties of merchantability and fitness for a particular purpose.



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