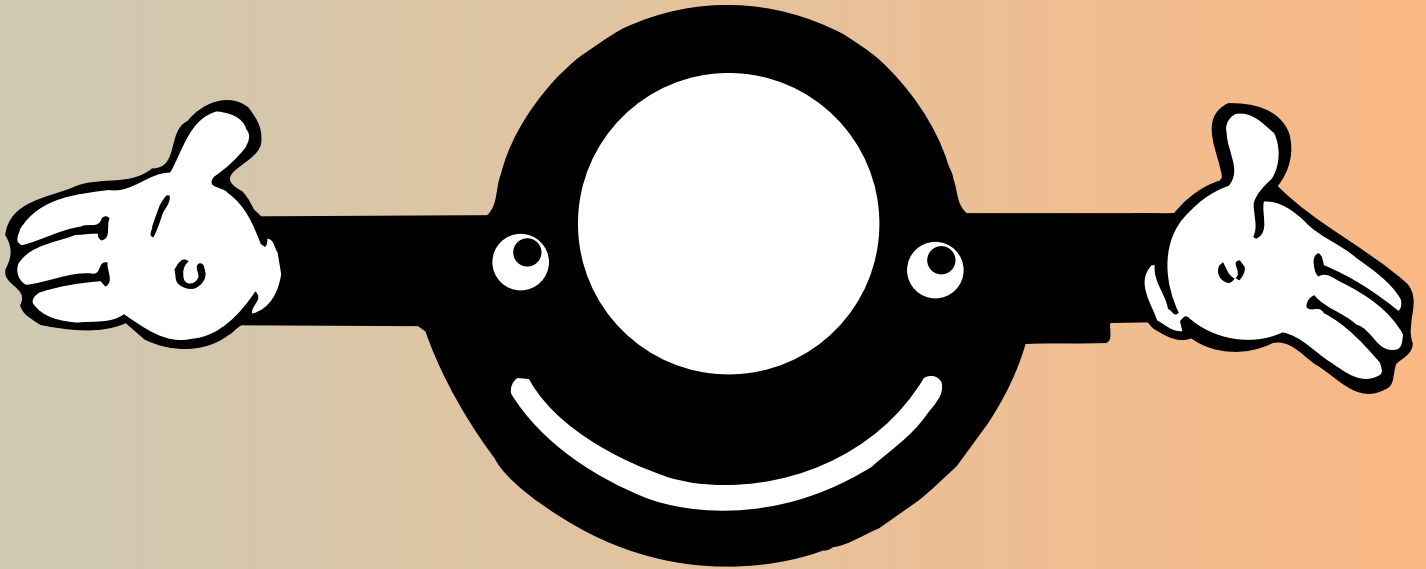


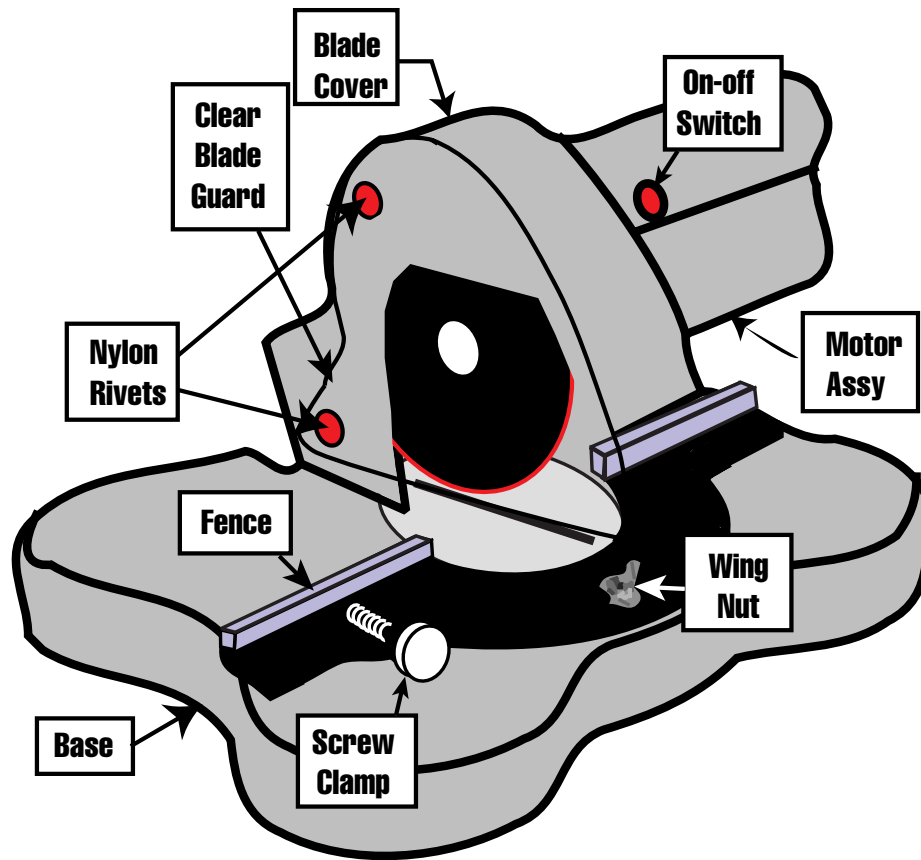
Instructions



Gryphon Miter Saw

Important Safety Instructions

- Keep hands and clothing away from Blade at all times
 - Unplug saw before changing Blade
- Keep flammable objects away from rear of saw (sparks exit towards rear)
 - Keep saw dry at all times
 - Wear eye, face and body protection while using saw
- Do not handle short pieces of cut-off until they have had time to cool
 - Short pieces of cut-off (especially steel) stay hot a long time
 - Do not defeat the blade guard by holding it up while cutting



Don't

- Do not place the saw's electrical cord in the path of the blade or spark exhaust
- Do not place flammable objects in path of spark exhaust
- Do not bog down the motor
- Do not hold blade guard up while cutting
- Do not pick up short pieces of cut-off until they have cooled

Do

- Keep fingers clear of blade when cutting
- Always hold or clamp material to be cut to the fence tightly
- Orient material to be cut with the narrowest edge up
- Protect hands, eyes, arms and body when cutting
- Let the saw cool for 30 minutes after 10 minutes of uninterrupted cutting
- Reduce flash by cutting slowly
- Support the rear of long pieces of material while cutting
- Make certain that the clear blade guard is operating freely
- Always unplug the saw before touching the blade
- Allow hot short pieces of cut off steel to cool on saw's round aluminum center

Cutting soft material such as lead will load the abrasive blade. If you cut lead, dress the blade periodically by cutting a few pieces of metal such as steel rebar.

Initial Setup

Your Gryphon Miter Saw is ready to use after a few simple steps.

First, locate the following separate parts:

- 1 Saw with blade installed
- 1 Clear plastic guard
- 2 white push-in Nylon rivets
- 1 Large silver spring

Place all items on your workbench, and assemble as follows:

Lift the motor assembly up away from the base assembly of the saw and insert one end of the spring into the round black hole in the bottom of the motor assembly, and the other end into the similar sized hole in the base.

Install the clear plastic guard by pushing the one white Nylon rivet through the hole and one white Nylon rivet through the slot in the clear plastic guard and then into the corresponding holes in the black blade cover. The parts should be aligned so that the shape of the clear guard matches the shape of the black blade cover. The guard should now pivot freely through about a 60° arc around the rear rivet.

NEVER RUN THE SAW WITHOUT THE GUARD INSTALLED.

Choose a spot on your workbench which is dry, and will provide sufficient lighting, good access to the saw and good ventilation. It is most convenient to use the saw while standing, so a workbench approximately waist height is generally most comfortable, and allows good control while cutting.

You should expect to see a considerable shower of sparks exiting the rear of the saw when cutting the harder materials, such as steel. For this reason, you should provide sufficient clearance behind the saw. Flammable objects should be removed from the area around the saw.

Plug the end of the saw's electrical cord directly into a standard grounded electrical outlet. Extension cords are not recommended.

Using the Saw

The Gryphon Miter Saw is designed to cut small pieces of steel, copper, brass and similar material. The material can be cut at an angle of up to $\pm 45^\circ$. The angle of the cut can be adjusted by rotating the fence assembly to the desired position. A wing nut is provided to tighten the fence assembly against further rotation once the angle has been selected. When cutting any material, use your left hand to hold the material, and feed the material to be cut from the left side of the saw into the blade. Use your right hand to operate the on-off switch and lower the blade onto the work.

Use the built-in screw clamp, or your left hand, to hold the material being cut. It must be held against the fence tightly. Do not allow the material to move during the cut, as side-to-side movement of the material can put excessive strain on the blade, possibly resulting in blade binding or failure. When cutting long pieces of material ensure that the material remains supported throughout its length.

When holding the material, keep your hands well clear of the blade. It is not wise to attempt to cut very short pieces of material. Never attempt to defeat the clear blade guard by holding it in the raised position while cutting.

Do not bog down the motor. Cutting more slowly produces a cleaner cut with less flash. Orienting the material with the narrowest part up gives you a faster and cooler cut with less flash.

As you cut the motor will become increasingly hot. After 10 minutes of uninterrupted cutting, let the motor cool 30 minutes before cutting again.

To avoid making brown burn marks on the saw base and fence, let hot short pieces of steel cut-off remain on the saw's aluminum center while they cool. If you need to remove them before they cool, use pliers rather than your fingers.

If the blade loads from cutting soft materials it can be cleaned by cutting steel.

Changing the Blade

Unplug the saw. Raise the clear blade guard and hold the blade firmly with one hand. Use a 9/16" wrench to loosen the nut on motor shaft (NOTE: THE SHAFT HAS A LEFT-HAND THREAD - TURN THE NUT CLOCKWISE TO LOOSEN). Remove the nut, washer, outer plastic blade flange and the old blade. Center the new blade on the center of the inner flange with the printed side of the blade facing out. Replace the outer blade flange, washer and nut in that order. Rotate the blade by hand to make sure that it is centered on the shoulder of the inner hub. Hold the blade firmly with one hand while tightening the nut with a wrench. Make sure the nut is tight. Loose nuts will cause wear to the plastic blade flanges. After sawing, loosen the nut if you do not plan to use the saw again for a few days.

Cleaning

While cutting, grit collects under the fence and around the round aluminum center. As this happens it becomes more difficult to rotate the fence. You will need to clean this area from time to time.

Unplug the electrical cord before cleaning. Clean the area by removing the fence and brushing away the grit. Reinstall the fence and tighten the wing nut before cutting.

Brown burn marks may be easily smoothed out with a file or sandpaper.

Warranty

Your new Gryphon Miter Saw is warranted for one year from date of purchase. All mechanical parts with the exception of the blade are guaranteed against failure for one year. If such a failure occurs for any reason other than abuse or misuse during this period, it will repaired (or at our option replaced) free of charge FOB our factory. Cosmetic damage is not warranted. Retain your sales receipt for proof of purchase. Should repairs ever be required, return the saw to Gryphon Corporation.

