

## What is Metal Stitching?

Metal Stitching, or Metal Locking, is a mechanical, cold, cast iron repair process that has been in use for over 80 years. This is a heatless process that can be used without interrupting the integrity of the iron and can be completed in a timely fashion. It can often times be done without removal of other equipment or parts. Metal Stitching can be performed on either small engine blocks or huge multi-ton presses. Anything that is made out of cast iron can and should be metal stitched instead of welded or brazed. With thousands of projects successfully completed, rest assured that your project will be done correctly and in a timely, cost effective manor.

## Matt's Metal Stitch, LLC

Cold Cast Iron Repair and Block Stitching

Fully Licensed & Insured

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Buffalo, Rochester, Erie Pa. and surrounding areas

Our experts make your project their number one priority from start to finish.

Located in West Seneca, NY, we serve Buffalo, Rochester, Erie Pa. and surrounding areas.

Email or Call Matt's Metal Stitch and We'll get you up and running as soon as possible.

[www.mattscastironrepair.com](http://www.mattscastironrepair.com)

[mmscastrepair@gmail.com](mailto:mmscastrepair@gmail.com)

[716] 289-0843



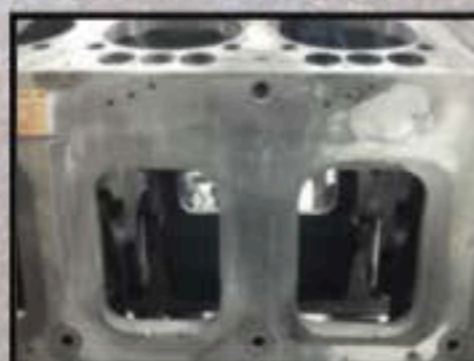
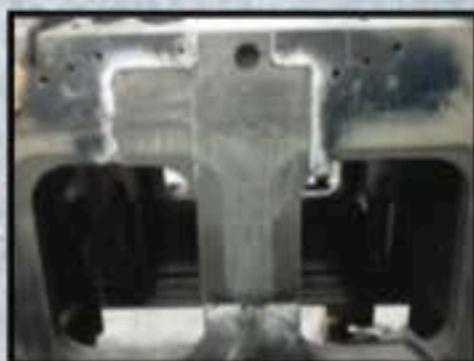
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[mmscastrepair@gmail.com](mailto:mmscastrepair@gmail.com)

[716] 289-0843

## Understanding Cast Iron

Cast iron only cracks when it is stressed beyond its tensile strength. This includes all heat related cracks, freeze cracks, impact and bending loads. Cast iron will not weaken over time. However, it will change if exposed to high temperatures over long periods of time like exhaust manifolds and wood burning stoves. The carbon in the cast iron turns into graphite. This process is called graphitization. Therefore, any type of welding that requires melting the cast iron becomes very difficult, because the filler metal will not bond properly. Brazing is also not effective because the iron is not melted during the process.



## Service Description

The Metal Stitching process undertaken by us is a heatless, precise mechanical method of making permanent repairs to broken castings and machine parts. We ensure that no post-repair machining is required to correct misalignment and warpage.

### No Heat!

Using heat can lead to further stresses on the metal. With our method there is no heat. Metal locking repairs can be provided in restricted areas where flames or welding arcs are prohibited. We are able to make repairs at your site, without the necessity of major disassembly.

