



MGA Frame Restoration

The frame is the foundation for the MGA.
Eclectic Motorworks has the experience and tooling to ensure that your MGA's frame is repaired to factory looks and specifications.
We've fixed enough rusty and collision damaged frames to develop a set of standard procedures to fix your frame quickly and accurately.

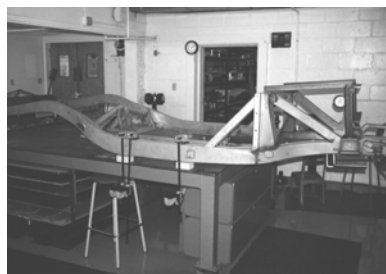
Procedure

When your frame comes to us, we first make a visual inspection and measure it using our measurement fixtures. Assuming it passes this inspection and measurement, it is sent out for sandblasting. Once back from the sandblaster, it is mounted on our purpose-built frame stands for repairs.

All welding is done using either the MIG or TIG process. Welds are finished to look exactly like factory welds. If repairs are made to areas where there were no factory welds, the welds are ground smooth and are virtually undetectable.

Once the welding is finished, the frame is lightly sandblasted again, and then can be painted or powder coated to look like new. Since our welding processes duplicate factory processes, the frame will not require filler or additional preparation in most cases.

If your frame is too badly damaged for repair, we'll make sure to discuss this with you. We usually stock repairable used frames that can be swapped for your original for less cost than repairing a badly damaged frame.

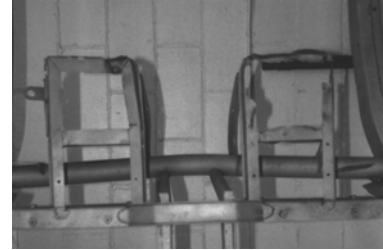


Common Repairs

Main Frame Channels: MGA frames are of a box-section design. Commonly, the inner section of the box section rusts away just above the floorboard mounts. Once rusted, this significantly weakens the frame. We cut away all the rust and usually replace the entire inner channel. Welds are ground flush so that they will not be seen once the frame is painted or powder coated.

Floorboard Supports: The MGA's wooden floorboards are supported by 16 gauge U-channel supports welded to the frame. These usually rust away and need replacement. We cut the old supports out and replace them with new reproductions. We weld them in exactly the same places as the factory did to ensure an accurate restoration. We fit your floorboards to the frame at this time to ensure the holes in your floorboard match the holes in the supports.

Battery Supports: Because the battery supports being sold by current suppliers are not 100% accurate reproductions of the originals, Eclectic Motorworks makes its own. These supports are built on jigs and jig-welded to your frame to ensure the strength, fit and look of the original supports.



Crossmembers: The round-tube crossmember immediately behind the engine is often dented. We cut the dented section out and replace it with a thicker wall tube, thereby restoring the original look and providing greater dent resistance for the future. The square-tube crossmember that separates front and rear floorboards will sometimes rust away. When this happens, we cut it away and replace it.



1500 & 1600 Frame Conversions: MGA 1500 & 1600 frames and differ slightly in that the front brake line mounts are different. We can put the proper mounts on your frame. This is also a popular conversion if you're planning on converting your MGA 1500 to use disk brakes from an MGB or MGA 1600.

Seat Belt Mounts: MGA 1600MK II frames have seat belt mounts welded to them. We can weld these mounts to any frame if desired.

Front Frame Extension Repairs: Front frame extensions often are bent or have pieces broken off. Our fixtures can be used to restore most front frame extensions.

Swaybar Mounts: MGA 1600 front frame extensions accommodate a swaybar, while MGA 1500 extensions do not. We can modify the 1500 extension to use an MGA or MGB swaybar.

Collision Repair: Usually, it is not cost-effective to repair a heavily collision-damaged frame. However, some owners prefer to keep as much of the original frame intact to maintain the originality of the car. If this is the case, we have special fixtures and jigs to repair and section your frame as appropriate.



Completed Frames: We try to keep several completed frames in stock so that you may quickly get your project back on the road. If are not concerned with a "numbers correct" restoration, this is a good option for jumpstarting your project. Completed frames are usually sold on an exchange basis.