

Rolls Royce Auto Restorers Turn to Investment Casting and Aristo-Cast for Replacement Part



Ever get to the point in putting a puzzle together when you couldn't find the one last piece of the puzzle? The restorers of a 1932 Rolls Royce Ghost reached just that point. All the pieces of the puzzle were complete except one—the windshield mounting bracket.

The local auto parts store wouldn't have replacements. Even specialty suppliers didn't have this obscure item. There were only three of this vintage auto ion existence and all the patterns for the brackets were lost long ago. That's when the investment casting process and Aristo-Cast came to the rescue.

Michele Walla, president at Aristo-Csat noted the old corroded and damaged brackets provided a starting point. "First, the original brackets

were repaired using different methods, to bring the surface configuration back into an acceptable level. Once this was complete, we used our 3-D scanner to reverse engineer the parts and create a solid model file that could be used to create investment casting patterns.

Having VoxelJet capability in house, along with 3-D scanning allowed Aristo-Cast to control the project from start to finish.

As a result, the finished windshield mounting brackets were ready for installation in less than three weeks, and the part was manufactured without an post-cast weld repair.

The bronze casting was a finalist in the Investment Casting Institute's 2013 Casting Contest.

