

Company Name: Stark Manufacturing
Case Study #3: Fitting Redesign for Automotive Industry

Our team at Stark Manufacturing strives to become a true partner with our customers, which means not only manufacturing world class tubular products, but truly understanding the application of our products within the customer’s final assembly. That knowledge often allows us to provide suggestions regarding design improvements that reduce costs or add to the quality of a part. For the project highlighted here, a customer contacted Stark regarding a cost savings initiative of a part currently in production.

The part shown is a quick disconnect fitting that we produce at an annual volume of 1.4 million pieces. The bulk of the cost of this part is related to the disconnect fitting itself, so our engineers looked at the design of the fitting and were able to propose a new design with no change in functionality that reduced the cost of the part by 38%. The customer was very pleased with the new design and the effort that Stark’s engineers put into understanding the functional requirements of the design, which allowed them to remove unnecessary elements without adversely affecting the performance of the assembly. For additional information about this value engineering project, contact us directly.

Project Name	Quick Disconnect Fitting Redesign
Application	Passenger Car and Truck
Primary Tasks	Fitting Design Value Engineering
Modeling System Used	SolidWorks
Industry Use	Passenger Vehicle
Annual Volume	1.4 million pieces
Delivery Location	USA