



Able Electropolishing Co., Inc.

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#1067 Brite Passivating

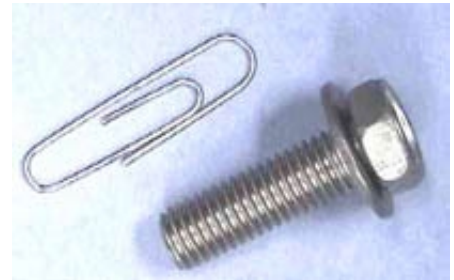
Industry: Automotive - Manufacturers of Automotive and Truck Fasteners

Mfg/Method: Machining

Alloy: 302 Stainless Steel

Problem: The customer needed to brighten the parts, but also needed to enhance the corrosion resistance because of the application and environment. The unique problem associated with this part is that the washer is captive but not attached to the head of the screw. With the assembly comprised of two components fabricated with different methods, a uniform finish on both parts was difficult to achieve using other methods.

Solution: Able electropolished both parts as an assembly using their unique proprietary racking and electropolishing process. Each component had a uniform bright finish without discoloration or unpolished areas on the head or washer. In addition, the electropolishing removed slight burrs on the threads which reduced the chance of galling.



Before



After