

## ***ArmaKleen Technical Service Report Summary***

**Cleaning Trial Type:** Aqueous

**Industry:** Radiator and air conditioning remanufacturing

**Segment:** 01 - Auto Maintenance

**Soil:** Oil, baked on carbon

**Substrate:** Aluminum

**Description of Part(s):** Aluminum intake manifold

**Customer objective:** The customer was looking to improve their cleaning performance and automate their cleaning process.

**Cleaner used:** ArmaKleen™ M-100BCR

**Machine used:** Spray Under Immersion Washer (Graymills T12, Graymills T24, SK 81.8 w/SUI)

**Temperature used:** 160°F

**Time required:** 8 hours

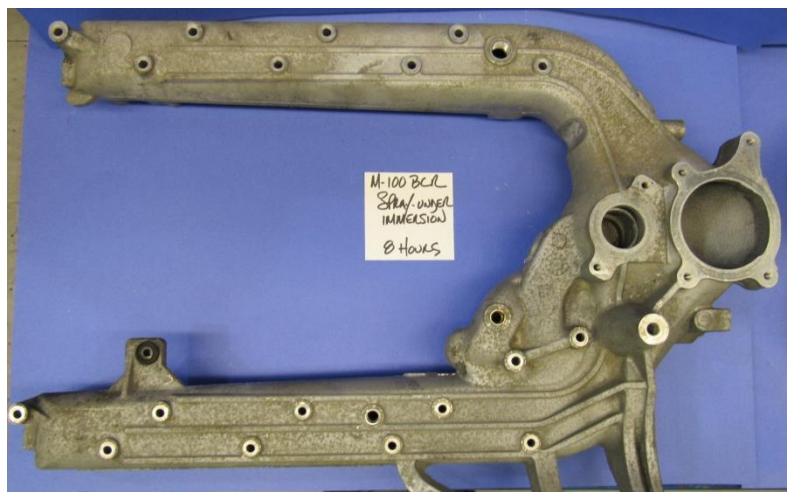
**Post Cleaning:** Several openings of the manifold were brushed with a nylon bristle brush during the fresh water rinse, followed by air pressure drying.

**Recommendation to Customer:** The ArmaKleen Technical Center recommended using 10% by volume ArmaKleen™ M-100BCR at 160°F in a Spray Under Immersion washer for a minimum of 8 hours.

**Before Picture**



**After Picture**



**Source:** TSR #17-A-016