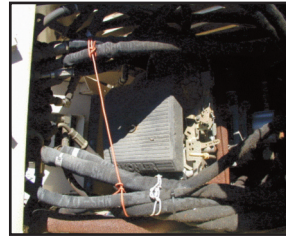


Tube & Weld

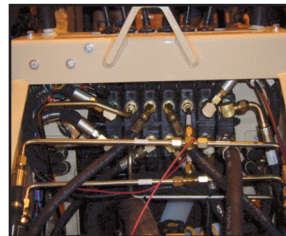
Compact Area Around Cooler

Problem: A manufacturer of quality equipment and additives for the erosion control and landscaping industries needed to turn a sharp corner with a radiator hose that had a large bend radius. This prevented them from building the desired compact, finished product.



Solution: After receiving digital pictures of their machine, we exchanged a few important dimensions and discussed several design possibilities. We designed, built and tested two separate prototype assemblies, finally recommending a 1-1/4" x .065 beaded tube bent in way to avoid certain critical areas yet kept sections of hose for flexibility.

Result: At a cost of \$8.00 versus the \$18.00 for the often-replaced radiator hose, our tube assemblies helped streamline their equipment and was very economical. In addition, our tube assemblies removed a leak point because of previous welding and eliminated 20 minutes of labor. In the end, the customer saved both time & money as well as resolved an engineering problem.



- Beading
- Bending
- Brazing (Torch)
- Brazing (Induction)
- Flaring (JIC & ORFS)
- Machining
- Welding (TIG)
- Welding (Orbital)
- Packaging
- Finishes & Coatings
- System Design
- Testing (Impulse & Burst)
- Testing (Particle Count)

Engineering support

Hydraulic tube assemblies provide:

- ✓ Higher working pressures
- ✓ Simplified assembly
- ✓ Lower labor costs
- ✓ Reduced leak points



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