

Pantera Muffler Modification for Reduced Resonance

By

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Freshly Cut open Mufflers



Close Up View



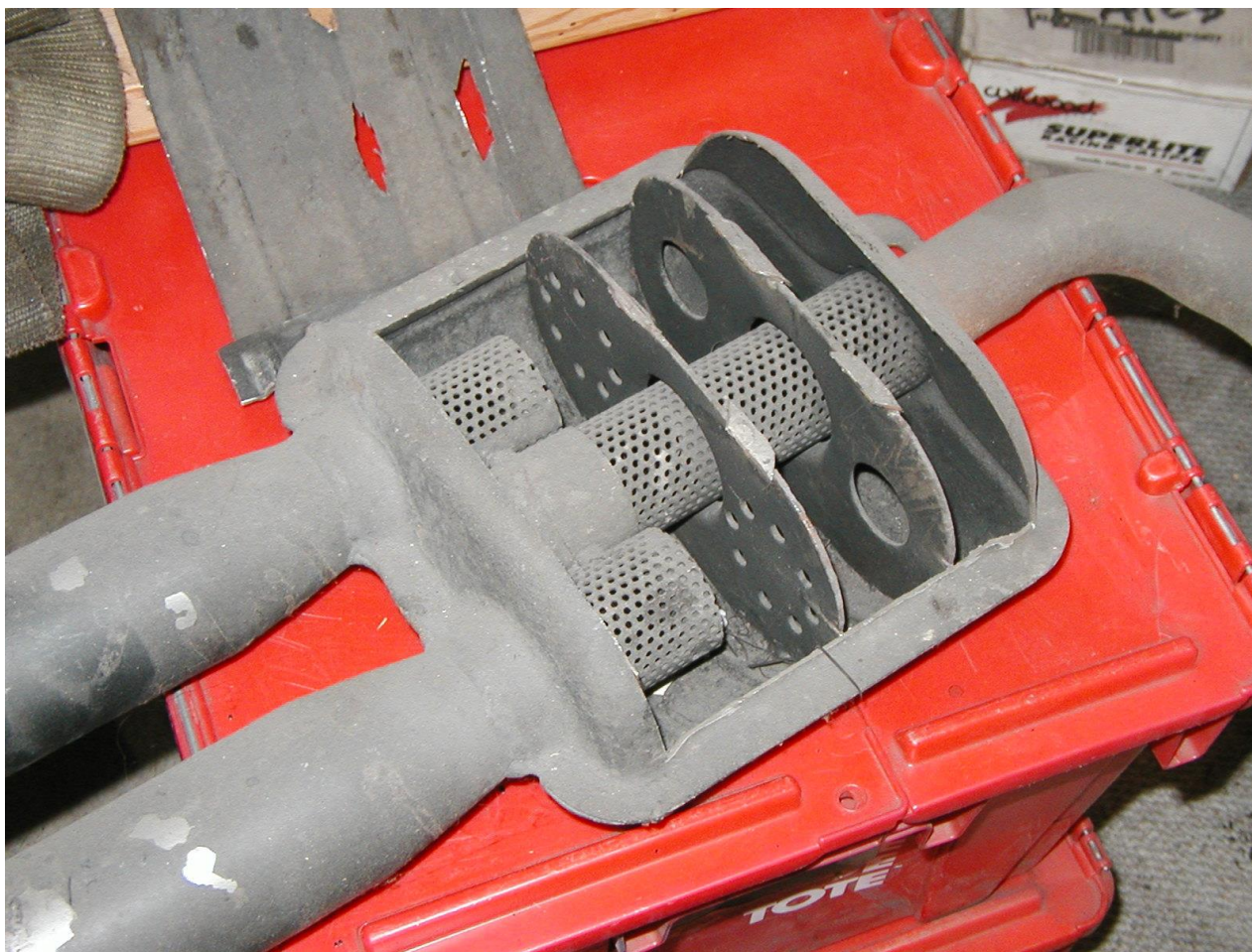
Close Up View



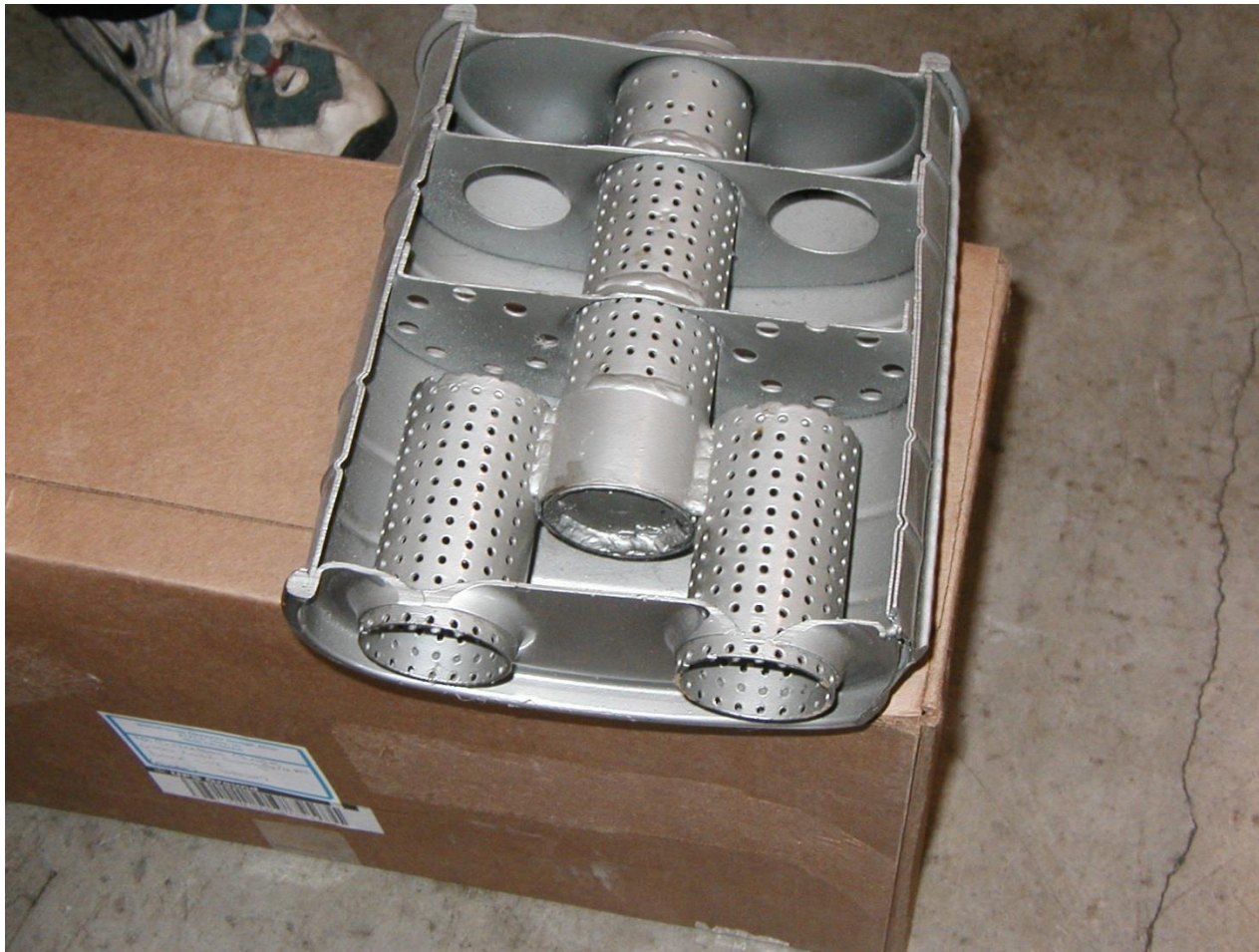
Look at Holes in Center Dividers



Race Prepped- Very Loud



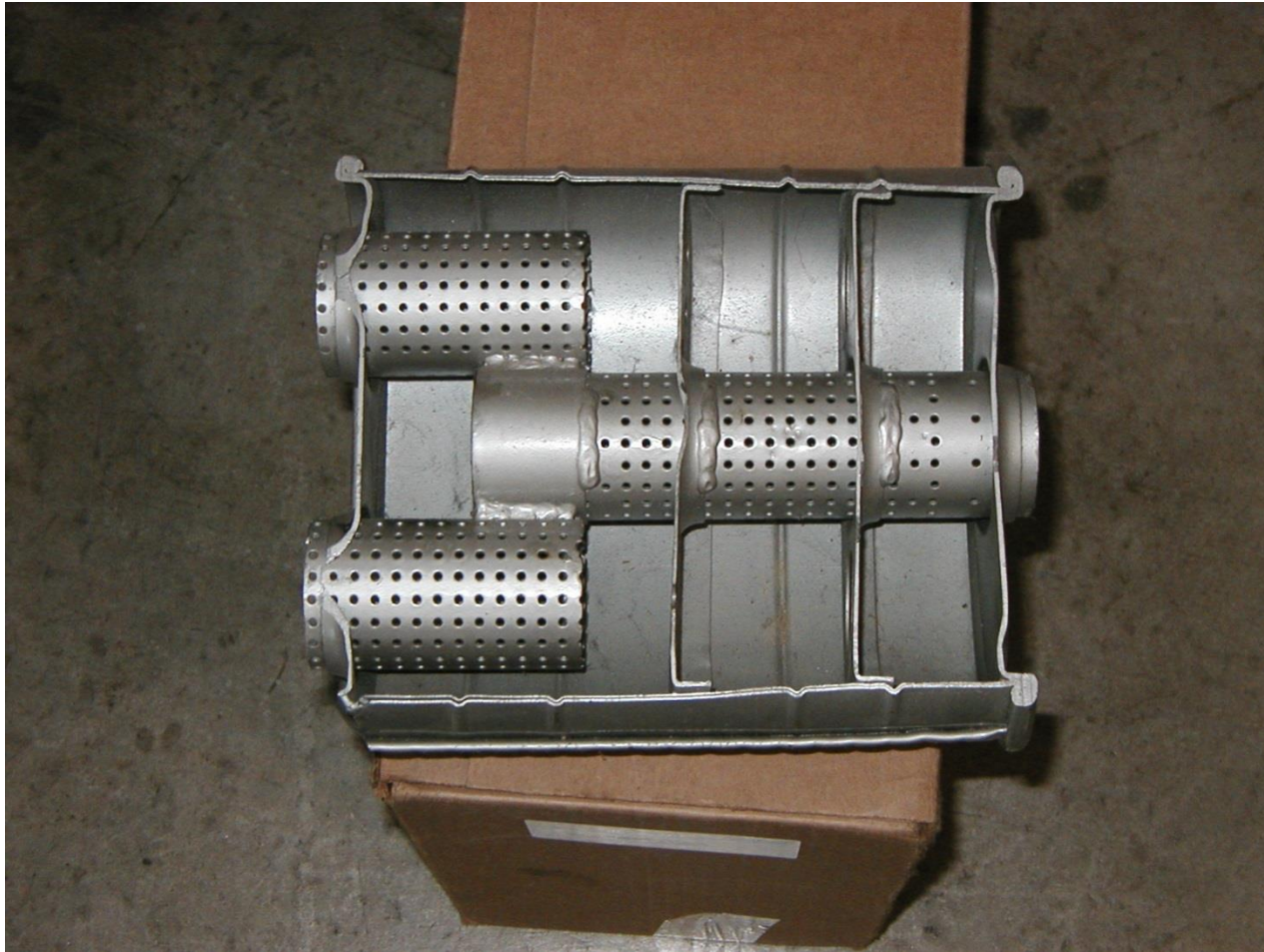
Production Big Bore- Different Tubes & Holes



Better view of the Holes



Notice the Hole Spacing



My added flow Tubes with wall separators and washer to reduce the inner exhaust tube harmonic pulse.



Right Muffler – More Holes with Higher flow- exit tubes cut for $\frac{1}{4}$ Wave



Top View of Right Muffler



Left & Right Mufflers Prior to welding shut and Powder Coating

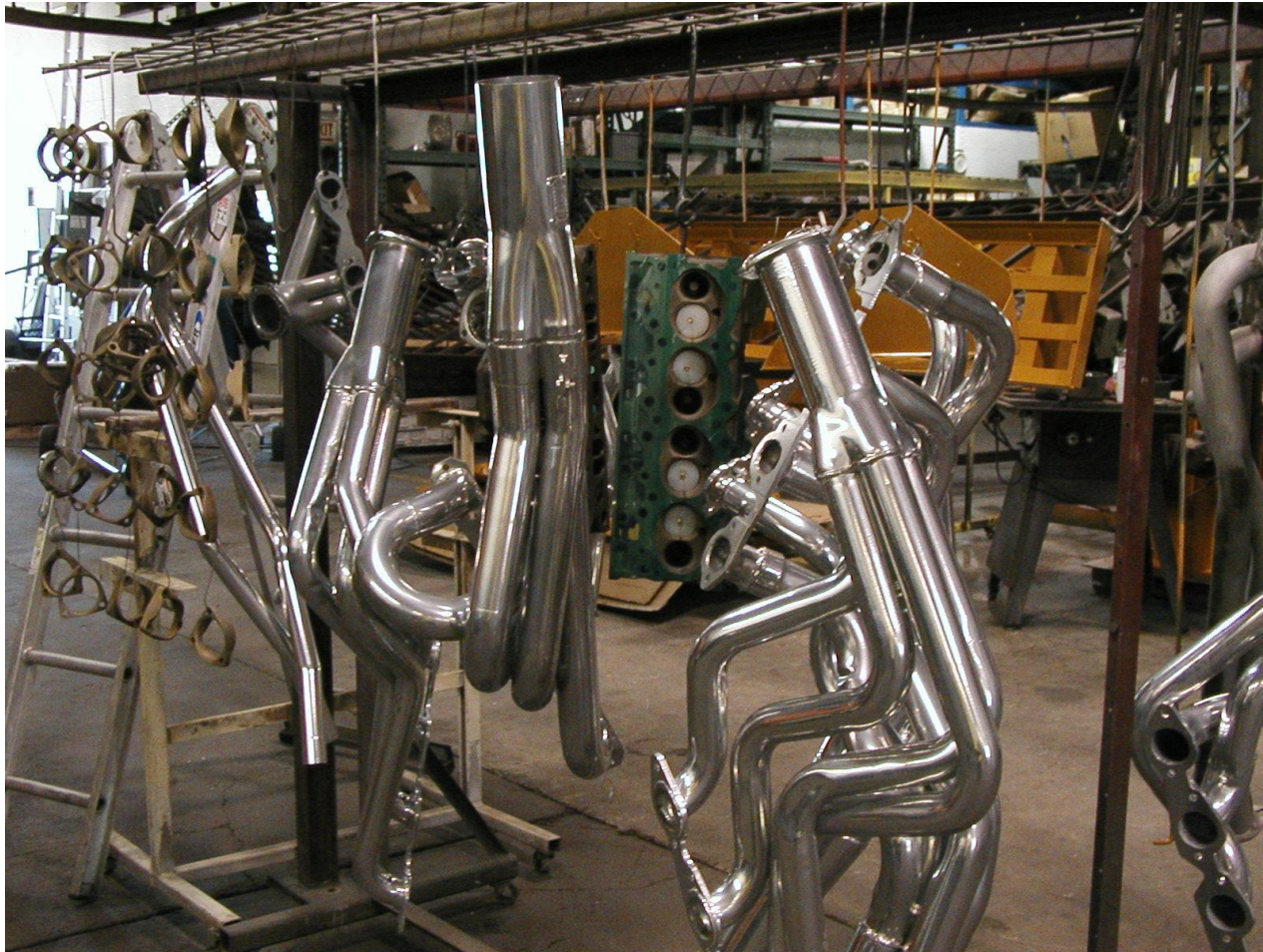


- Mufflers were packed with high temp wool mesh prior to being welded closed.
- Side Note: The car was Very Quiet for a few months inside and outside for a few months after the muffler modifications. The car became louder at the St. Charles, Illinois, Pantera Club Dyno Day when the muffler packing was blown out of the mufflers on a dyno run. I have a box of this material if you need some...it only takes a few ounces per muffler.
- The Holly injection computer wanted a few points boosted across the fuel map due to increased air flow through the stock Cleveland Heads. A 7 HP increase was noted from the previous year dyno run which later became 32hp with a timing change.

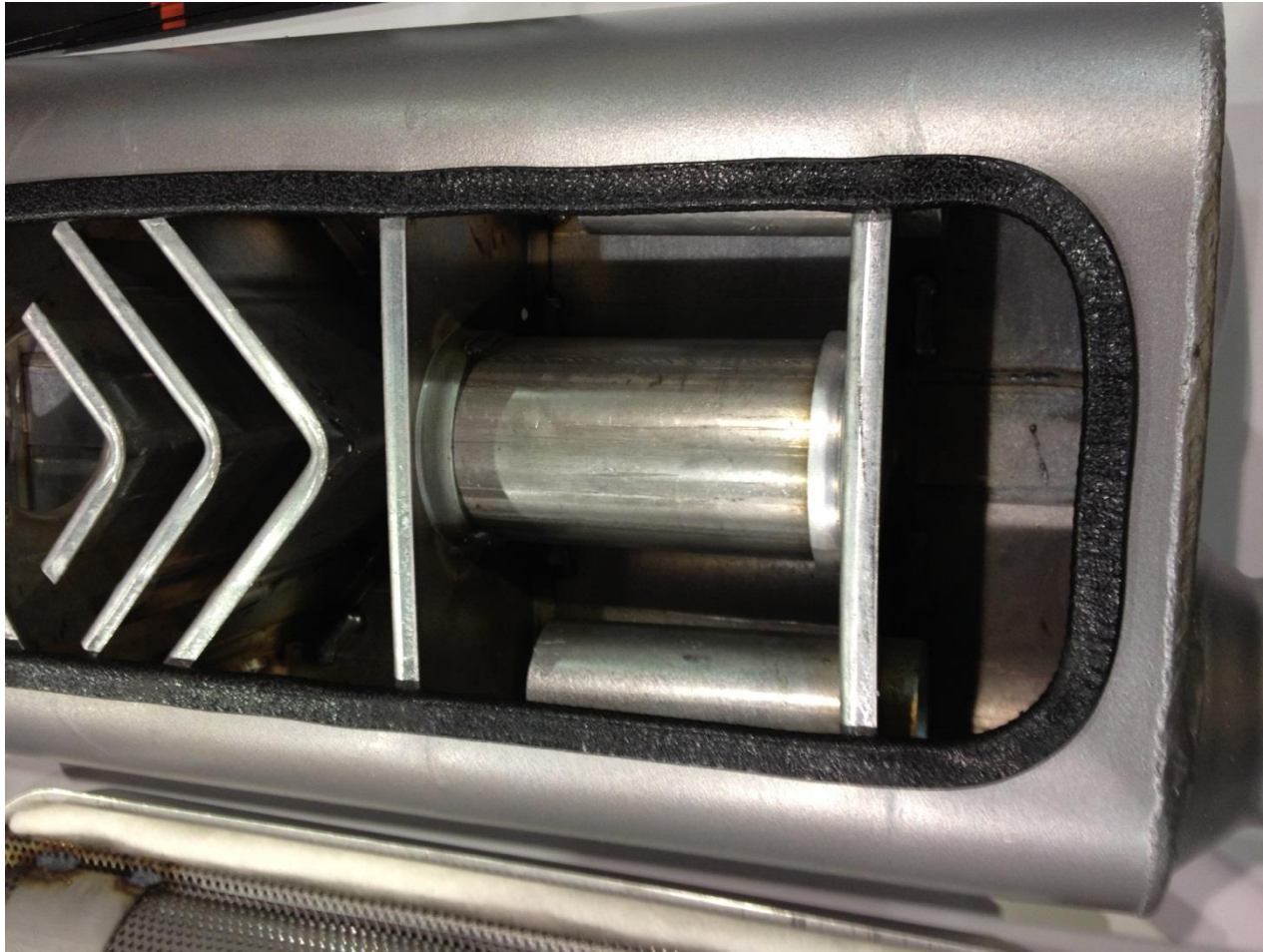
Motorsport Powder Coating in Delevan , Wisconsin. 262-740-2030



Hanging exhaust pipes after Ceramic coating has been applied.



Flowmaster Design – V's create a Cancellation Wave



Black Flowmaster has higher Flow rate



I used frequency tuning to augment the flow and cut the 2000 rpm resonance that would rattle your teeth in the car.

**For a detailed PDF of the
Spring Fling Tech Forum with the
other muffler modification for a
very quiet Muffler.**

**Send POCA number and request for
Muffler Mod 2**

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