/// Race Louvers

Professional R&D - Wind Tunnel Tested - Track Proven

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Radiator Exit Obstruction Wind Tunnel Data

Welcome to Race Louvers. Here we had the oppurtunity to test radiator exit obstructions on this GT350. Essentially moving components such as the overflow bottle out of the way for a clear unobstructed airflow path from the radiator to the hood extractors further improves cooling.

Test car prep level:

- Mustang GT350 with the AJ Hartman Aero package

Hood vents tested:

- stock hood no vents (baseline)
- stock oem vent
- stock oem vent with gurney
- Race Louvers RT extractors
- Race Louvers RT extractors with relocated overflow bottle

Test procedure:

- Simply swap out hood vents with no other changes for back to back testing and then relocate the overflow bottle.

Conclusions:

- Clearing a good airflow path from the radiator to the hood extractors by relocating the overflow bottle showed significant gains in cooling.

Video: https://youtu.be/F2laYuv6V2g

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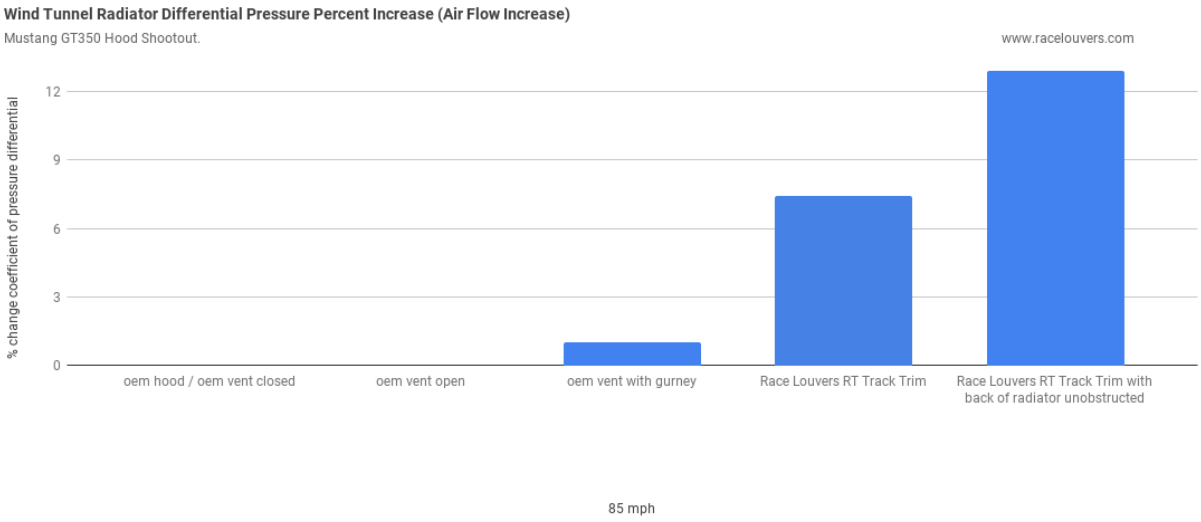

Fig 1 - Wind Tunnel Data

Fig 2 - Relocating the overflow bottle and/or other components on the top rear of the radiator creates a less obstructed airflow path from the radiator to the hood extractors further improving cooling.

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Fig 3 - Smoke Visualization Of Airflow Path

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