/// Race Louvers

Professional R&D - Wind Tunnel Tested - Track Proven

info@racelouvers.com - www.racelouvers.com

908-447-5788

Mustang GT350 Hood Vent Wind Tunnel Data

Welcome to Race Louvers. Here we had the oppurtunity to test the oem GT350 hood vent, a customer made gurney for the oem GT350 vent, our Race Louver RT extractors and a recessed louver design w/gurney.

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
- recessed louvers (extrapolated)
- recessed louvers with built in gurney
- Race Louvers RT extractors

Test procedure:

- Simply swap out hood vents with no other changes for back to back testing

Conclusions:

- To our surprise the oem hood vent was barely functional.
- As noted previously the addition of a gurney flap to the oem vent only made matters worse.
- Since we have previously tested recessed louver designs on a few occasions we extrapolated that data as a reference.
- The recessed louvers with built in gurney did reasonably well, however we had a few issues with it. Its only available bare as cut making for alot of prep work on the users end and more importantly the center louver is quite flimsy likely due to the lack of a center support.
- Our Race Louvers perfomed well with the best cooling and front downforce, kept the rigidity of the hood while maintaining the GT4 styling.
- The GT350 had the oem fan with integral fan shroud which was fairly restrictive causing some extra drag, more on this can be seen in our fan shroud testing.

Video: https://www.youtube.com/watch?v=OTOprKoODKk

Race Louvers LLC
908-447-5788
info@racelouvers.com

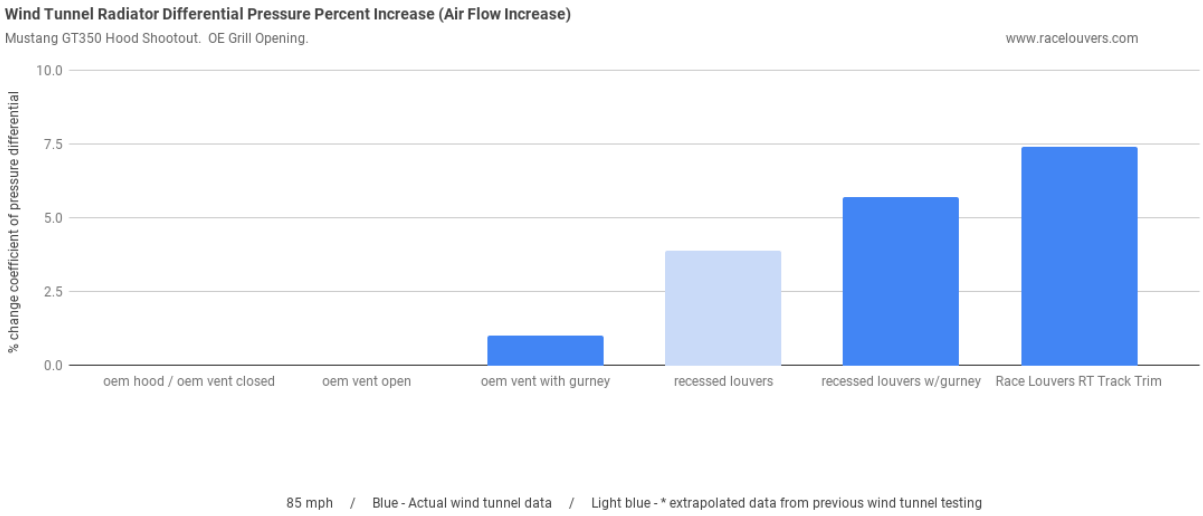

Figure 1 - Cooling / Radiator Differential Pressure

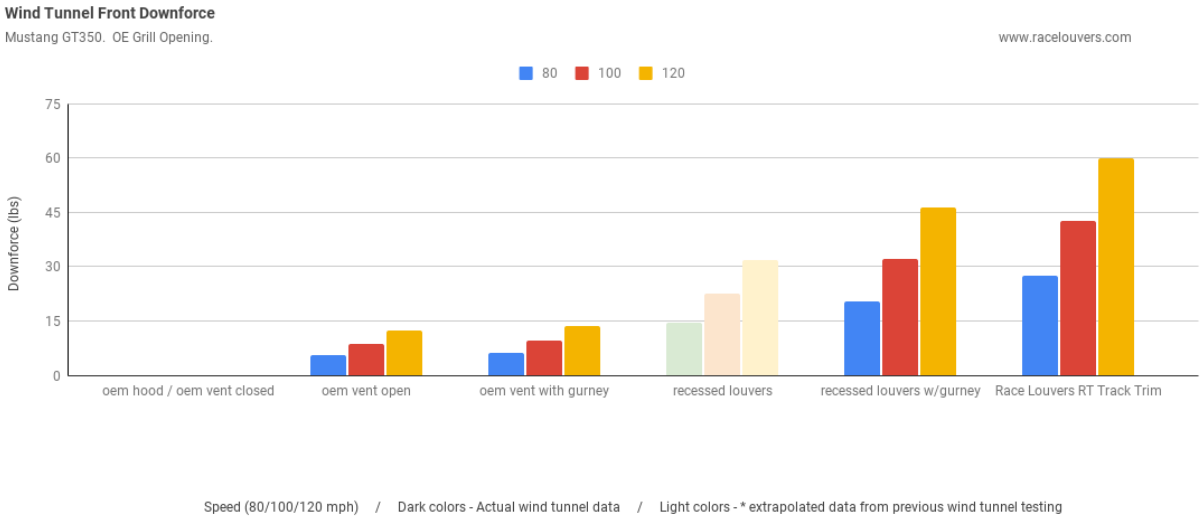

Figure 2 - Front Downforce

Race Louvers LLC
908-447-5788
info@racelouvers.com

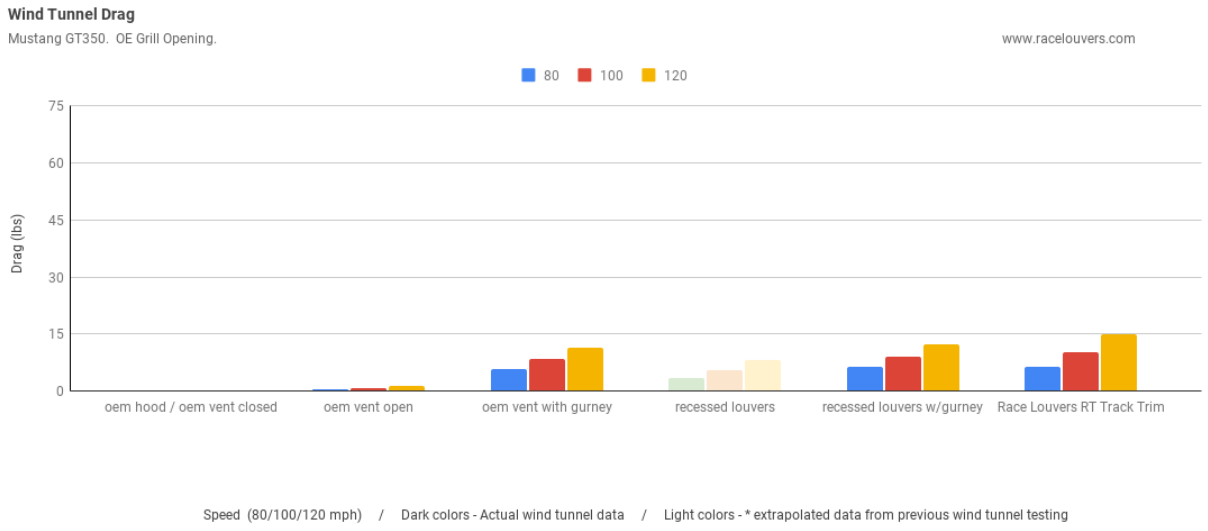

Figure 3 - Drag

Baseline - No Hood Vent

Race Louvers LLC
908-447-5788
info@racelouvers.com

OEM Hood Vent

OEM Hood Vent w/Gurney

Race Louvers LLC
908-447-5788
info@racelouvers.com

Recessed Louvers w/Gurney

Race Louvers RT Hood Extractors

Race Louvers LLC
908-447-5788
info@racelouvers.com