

/// Race Louvers

Professional R&D - Wind Tunnel Tested - Track Proven

info@racelouvers.com - www.racelouvers.com

908-447-5788



Nissan 350Z Wind Tunnel Hood Louver Data

Welcome to Race Louvers. Here we had the opportunity to test a Nissan 350Z in the Wind Tunnel. We took a look at our RT 3 piece hood louver kit as compared to stamped louvers as well as a stock hood with no vent. We gathered a lot of data i.e. front downforce, drag and radiator differential pressure data.

Test car prep level:

- 2003 Nissan 350Z
- Typical flat splitter
- AJ Hartman Aero canards
- Race Louvers RT center and side hood louver kits
- APR GT250 rear wing

Hood vents tested:

- Race Louvers RT Track Trim
- Stamped louvers

Test procedure:

- Simply swap out hood vents with no other changes

Conclusions:

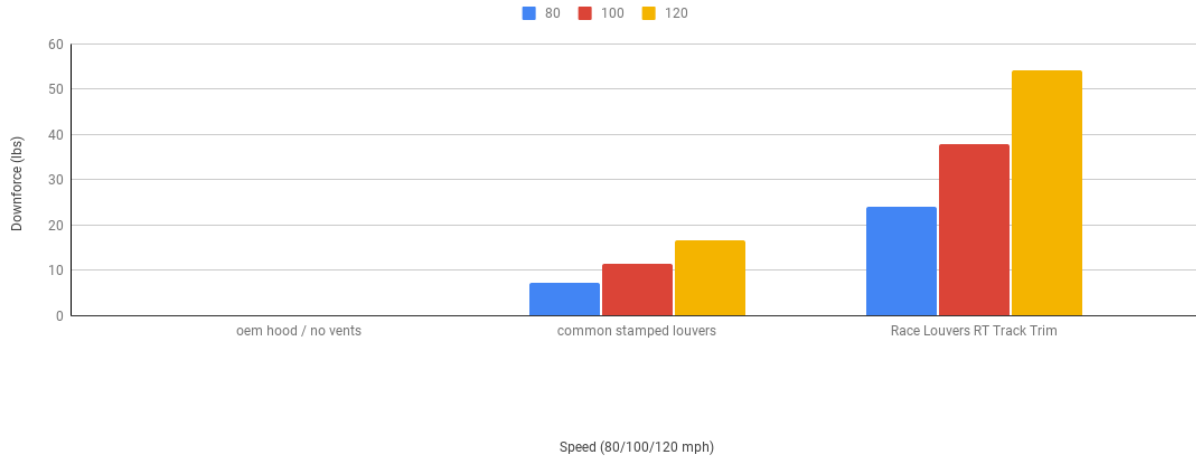
- The Race Louvers hood vents made up 27% of the cars front downforce and added 15% cooling capacity.

Video: <https://www.youtube.com/watch?v=kxeqipLmLTA>

Wind Tunnel Front Downforce

Nissan 350Z. OE Grill Opening.

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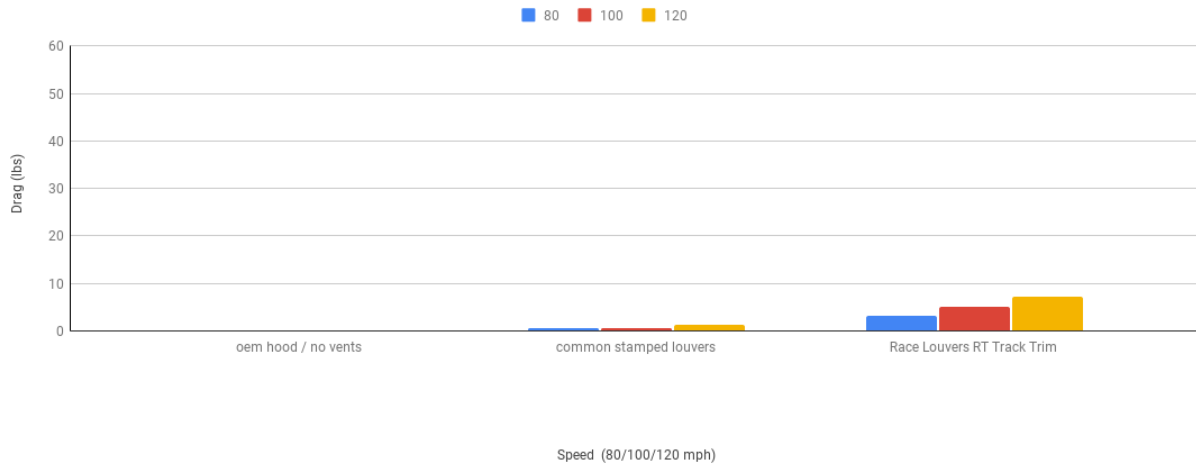


Front Downforce

Wind Tunnel Drag

Nissan 350Z. OE Grill Opening.

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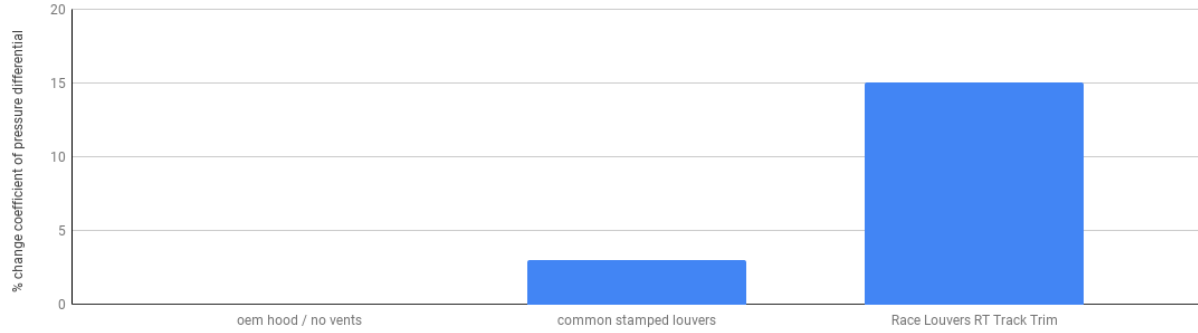


Drag

Wind Tunnel Radiator Differential Pressure Percent Increase (Cooling Air Flow Increase)

Nissan 350Z. OE Grill Opening.

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Speed 85 mph

Cooling Gains



Stock Hood No Vents (baseline)



Common Stamped Louvers



Race Louvers RT Track Trim Louvers

