

/// Race Louvers

Professional R&D - Wind Tunnel Tested - Track Proven

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Honda S2000 Wind Tunnel Test Data

Welcome to Race Louvers. Here we tested our Nasa ST/TT3-6 Spec 3pc extractor setup on a Honda S2000. Normally we like to test our louver kits as well as other hood vents to have comparison data but we were working with www.trackaeroconsulting.com so we had limited time in the wind tunnel.

This car was interesting as it was the lowest total downforce car we have had in the wind tunnel. The car was equipped with a very small wing at 1deg and a small front splitter. Overall the car made approximately 40lbs of total downforce at 100mph with approximately 52% of that on the front. Keep in mind though that the wing and splitter were making much more than 40lbs as the car generates overall lift in oem form.

Test car prep level:

- Honda S2000
- DIY plywood splitter
- Aeromotions rear wing
- Nasa ST/TT3-6 spec Race Louvers

Hood vents tested:

- Nasa ST/TT3-6 spec Race Louvers

Test procedure:

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

Conclusions:

- Race Louvers still made significant front downforce and cooling gains even when class rules limited the louver design.
- Since our Nasa Spec and RS street trim louvers are very similar the RS street trim would net a similar result while our RT track trim and RX extreme trim would have shown much more gains.

Video here: <https://youtu.be/JxyluWSjCKw>

Wind Tunnel Front Downforce

Honda S2000

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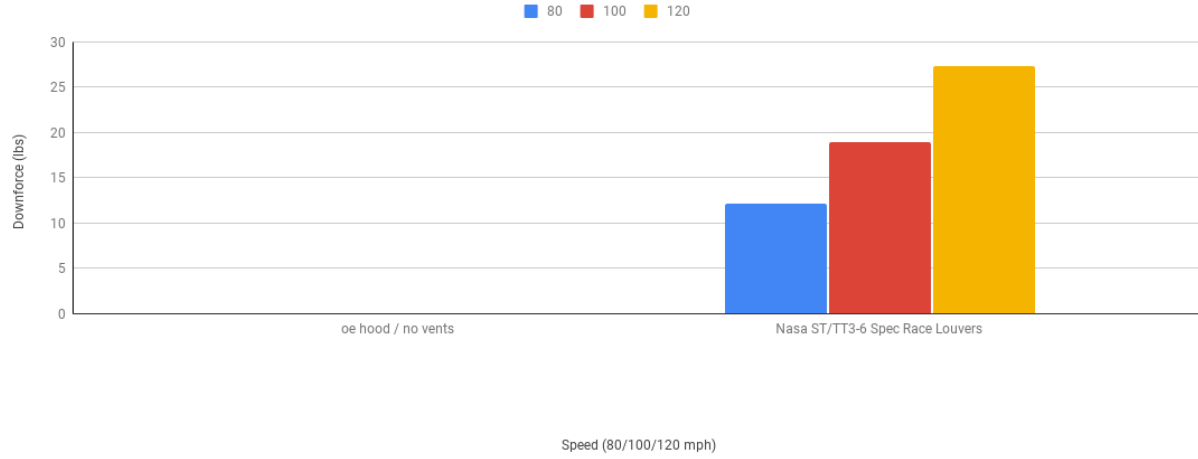


Fig 1. Front Downforce

Wind Tunnel Drag

Honda S2000

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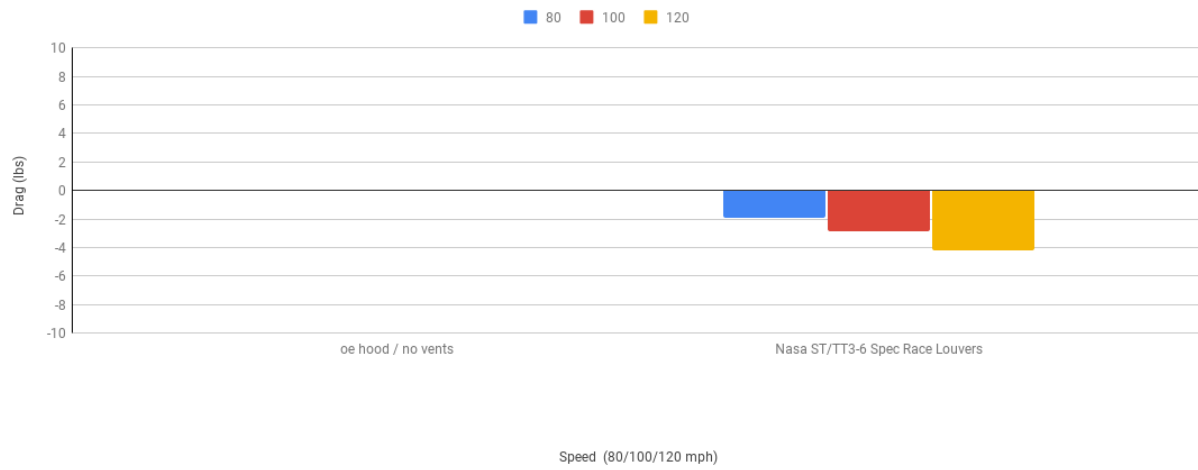


Fig 2. Drag

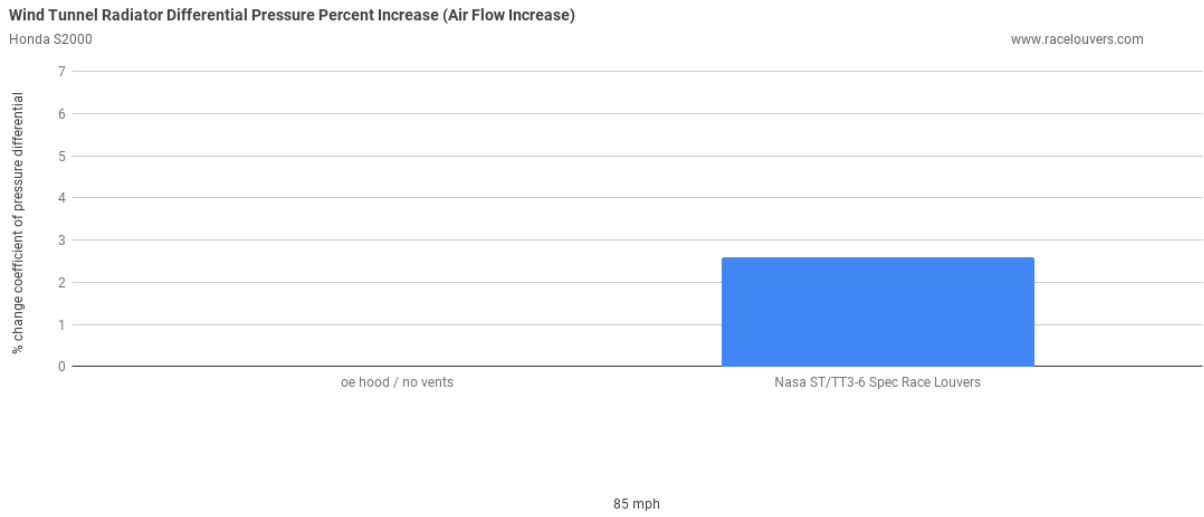


Fig 3. Radiator differential pressure





Baseline - OEM Hood No Vents



Nasa ST/TT3-6 Spec Race Louvers