

Race Car Aerodynamics Home Page Of The

5 Common Race Car Aerodynamic Myths - 5 Common Race Car Aerodynamic Myths 9 minutes, 44 seconds - Today we look at the 5 most common **aerodynamic**, myths about **race cars**, that I see on the internet, and set the record straight.

Intro

Suction vs Pressure

Speed Sensitivity

Sharp Edges

Bigger Diffusers

Multielements

The Aerodynamics of Speed - The Aerodynamics of Speed 17 minutes - Check out AirShaper at <https://airshaper.com/> Superfast Matt is supported by: SendCutSend - For Fast laser cut parts, click here: ...

Introduction

Downforce vs Drag

Wings

Minimize Drag

Airflow

Wind

Simulations

Intakes

dimples

Which shape is faster in car aerodynamics? - Which shape is faster in car aerodynamics? 4 minutes, 3 seconds - I built a bunch of weird karts and went **racing**, ☐ Like and Subscribe for more original **Car**, Pal content :) and follow on ...

Race Car Aerodynamics - Race Car Aerodynamics 3 minutes, 29 seconds - In this video, we will be discussing **race car aerodynamics**,. Frontal area If you want to reduce aerodynamic drag as much as you ...

Beating High Gas Prices Using Simple Aerodynamics (Home Improvement Store Edition) - Beating High Gas Prices Using Simple Aerodynamics (Home Improvement Store Edition) 13 minutes, 4 seconds - Head to <https://squarespace.com/thinkflight> to save 10% off your first purchase of a **website**, or domain using code thinkfight If you ...

How to Reduce Drag on Your Car | Aerodynamics Science Project - How to Reduce Drag on Your Car | Aerodynamics Science Project 4 minutes, 20 seconds - You don't need a wind tunnel to visualize air flow over your **car**, - you just need some yarn and tape! Learn how to do a science ...

introduction

attached and separated flow

windows up vs windows down

exterior accessories

roof extension

vortex generators

filming tips

review

Why are Car Wings Twisted? - Why are Car Wings Twisted? 4 minutes, 39 seconds - Today we look at why **car**, wings are twisted, and what effects a twisted wing has vs a straight wing. We also look at where you ...

Race car aerodynamics #3 - Aero mapping - Race car aerodynamics #3 - Aero mapping 5 minutes, 13 seconds - For more information about **race car aerodynamics**,: - Porsche GT4 racing: <https://youtu.be/JkdoXKfc2hU> - **Race car aerodynamics**,: ...

The Beginners Guide to Aero Modifications for your Car - The Beginners Guide to Aero Modifications for your Car 7 minutes, 44 seconds - Today we cover off all the basics of **aero**, modifications, from road use through to autocross, track and straight line **racing**,. We're ...

Race Car Aerodynamics Explained for Beginners! - Race Car Aerodynamics Explained for Beginners! 15 minutes - Race car aerodynamics, explained — simply. In this video, we break down how aero really works: from wings and splitters to ...

5 Tips for Better Aero on Your Car - 5 Tips for Better Aero on Your Car 5 minutes, 47 seconds - Can you take **aero**, elements off a GT3 **car**, and use it on your **race car**,? Yes, and Johnny Cichowski from Nine Lives **Racing**, shows ...

Intro

Wing

Splitter

Vents

Splitters

How Does Red Bull's Underfloor Work? - Aerodynamics Analysis - How Does Red Bull's Underfloor Work? - Aerodynamics Analysis 19 minutes - At the Monaco GP Sergio Perez gave us a great opportunity to look at the underside of the Red Bull RB18. From this we got some ...

Introduction

Main Strakes

Sausage Strakes

Main Tunnel and Kick

Ice Skate Legality

Ice Skate Aero

Multi Diffuser Kicks

Why YOU are doing car aero WRONG (Maybe) - Why YOU are doing car aero WRONG (Maybe) 20 minutes - Building a fast **car**,? Get \$400 OFF the all-inclusive VIP online course package deal: <https://hpcdmy.co/vipjkfa> Take the mystery ...

Kyle - JKF Aero

SIMPLICITY: Downforce Is Key

Race vs Time Attack vs Track Type

FWD vs RWD Aero Balance

How to Make GOOD Aero Adjustments

Wing: Angle of Attack

Wing: Gurney Flap

Turbulence Isn't Stalling

Stalling and Flow Separation

What is a Gurney Flap?

Tuning Gurney Flaps: Size vs Span

3D Vs 2D Wing Profiles

End Plates: What They Do and Why Size Matters

End Plate Load Vs Lift Example

Wing Profile Shape and Curvature

Swan Neck vs Undermounts

Dual vs Triple Element Wings

Aero Testing at the Grassroots Level

No Flow-vis?

Tuft Testing (aka Sting Testing)

Coast Down Testing

Data Analysis \u0026 Feel

Best Entry-Level Aero Upgrades

What CFD?

Why CFD is Dangerous

Formula 1 Testing Cycle

Kyle Engineers

BUILD.TUNE.DRIVE

Race Car Aerodynamics - Nissan GT-R Nismo GT3 - Race Car Aerodynamics - Nissan GT-R Nismo GT3 3 minutes, 35 seconds - Aerodynamics, play a critical role in **racing**.. On this Nissan GT-R, we'll check out all of the **aero**, bits that help this **car**, go around the ...

Racecar F1 tyre wake explained - Racecar F1 tyre wake explained 4 minutes, 27 seconds -

Again, this is a very rough pilot video filmed in one shot with a couple of bloopers in it .
This basic video sets out to explain some of ...

New Aerodynamics explained by Mike Rockenfeller - DTM Exclusive - New Aerodynamics explained by Mike Rockenfeller - DTM Exclusive 1 minute, 54 seconds - Mike Rockenfeller explains the changes which were made for the upcoming DTM season. Basically the **Aerodynamics**, on the **cars**, ...

Massive Drag Reduction For Tiny Budget - How I turned my family car into an AERO Star - Massive Drag Reduction For Tiny Budget - How I turned my family car into an AERO Star 9 minutes, 47 seconds - Let's have a closer look at how I improved **aerodynamics**, on my family **car**, a couple of years back. How are these **cars**, developed?

Aerodynamic drag and lift of different car body shapes - Aerodynamic drag and lift of different car body shapes 12 minutes, 7 seconds - Which has highest **aerodynamic**, lift and **drag**, - squarebacks, notchbacks or fastbacks? Find out in this video! Read the full paper ...

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