

VA250 CAR PROJECT

Technical Media Kit — Target Speed: 250 MPH

A naturally aspirated, NASCAR-derived stock car built in Martinsville, Virginia, attempting to reset the NASCAR stock car land speed record during America's 250th anniversary.

Executive Summary

The VA250 Car Project is a purpose-built land speed car designed to challenge the NASCAR stock car land speed record. The current record of 244 mph was set in 2007 by an Arrington-powered Dodge Charger. In 2026, the Arrington team returns with a new car targeting a symbolic and technical milestone: 250 mph.

Historical Context

1971 marked the first NASCAR stock car land speed record using a Dodge Daytona. In 2007, an Arrington-built engine reset the record to 244 mph. The VA250 project continues this lineage during America's 250th anniversary year.

Vehicle Overview

Chassis	2006 Ronnie Hopkins NASCAR chassis
Body Inspiration	1969 Dodge Daytona Charger
Weight (w/o driver)	~3,000 lbs
Target Speed	250 mph
Location	Space Florida, Cape Canaveral
Runway	3 miles long, 300 feet wide (concrete)

Engine Specifications

V8 naturally aspirated small-block, 358 cu in (4.185" x 4.185"), targeting ~1,000 horsepower at ~9,500 RPM. Fuel: 112 leaded. Cooling enhanced with Liquid Performance additive. Engine designed for ~40 seconds of sustained full-load operation.

Drivetrain & Gearing

Tex Powell four-speed transmission with 2.90 rear gear. Target speeds: 1st 90 mph, 2nd 130 mph, 3rd 170 mph, 4th 250 mph.

Aerodynamics & Stability

Rear wing with dual vertical stabilizers inspired by NASCAR wing cars. Design emphasizes straight-line stability over downforce.

Safety & Data

NASCAR-approved roll cage, fire suppression, driver containment systems. Telemetry includes RPM, front/rear wheel speed, and slip analysis.

Media Contact

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