

# 2013 Scion Tuner Challenge - Josh Croll 001

October 30, 2013

## SCION WSD tC by JOSH CROLL

As the owner of Croll's Customs in Reading, Pennsylvania, Josh Croll is no stranger to the culture of custom cars. He took a completely hands on approach by completing everything from installation and fabrication all the way to the end with body work and laying down the BASF paint himself. When starting a project as large as the 2013 Scion Tuner Challenge it was crucial to pull inspiration from every aspect of the automotive lifestyle. The basic theme of this build is to create a lifestyle vehicle loaded with everything you need to have fun while remaining functional. This tC is truly a modern day hotrod with clear Japanese roots.

### POWERTRAIN

- 324.0P WHP 294.02 WTD
- Dozed Motorsports Turbo Kit with Garrett 13/104E Turbocharger
- Stainless Steel Braided 4 AN Oil Feed Line, -10AN Oil Return Line W/ Heat Shielding
- CNC Insta-Tap Oil Pan System
- Stainless Steel "Ram Horn" Tubular TIG Welded Turbo Manifold (3/8" Thick Head Flange) and Croll's Customs Fabricated Vibrant 3 Inch Stainless Steel Hood Exit Exhaust, Stainless Steel Head Exit Wastegate Dump
- DC Tachman Exhaust Wrap
- 1.6L M4-S 30mm Y-Block Wastegate, 0.50mm Blow Off Valve
- Front Mount Intercooler
- Mandrel Bend, Light Weight, SSP Technology Aluminum Intercooler Pipes
- DSS Technology Blow-Through MAF Housing
- 2.5" Intake System
- K&N Large "Lifetime" Cone Filter
- CNC Vacuum Manifold
- Dozed Motorsports Plug-N-Play 300cc Fuel Injectors
- AEM Fuel & Ignition Controller, AEM ECU
- Boomsland Custom Wiring Harness For AEM FIC
- Passward JDM Carbon Fiber Engine Cover
- Inverted Front Strut Mounts
- A/C, Heater Deleted
- Full Wire Tuck Including ABS, Fuse Box, Battery, ECU
- Maximum Polished Coolant Overflow
- Moroso Filter Neck
- NRG Polished Hood Clamps
- Walbro 255LPH Fuel Pump
- TRD Oil Cap, Performance Oil Filter and Short Shifter

### CHASSIS/SUSPENSION

- Bracing:** Elite JDM Weld In Roll-Over, TB Performance Rear Strut Bar, TRD Front And Rear Adjustable Sway Bars
- Brakes:** TRD Big Brake Kit, Custom BASF Painted Calipers, Two Piece Rear Slotted Rotors, Street Performance Pads, Stainless Braided Lines Wilwood Overhung Race Pedal Assembly, Wilwood Compact Master Cylinders, Wilwood Remote Fluid Reservoirs, Fluid Reservoirs Relocated to Cowl Panel, ABS Relocated to Inside Dash, Complete Stainless Braided Brake/Clutch System
- Suspension:** D2 Racing RS Coilovers, Front Upper Control Plates, Pillowball Mounts, 7.9K Front, 4K Rear, Custom RHD Steering Rack, Modified Tie Rod Ends
- Wheels/Tires:** 19x5 Forgostar F14 Wheels, Custom Finished By Espe's Powdercoating, Gorilla Black Lug Nuts, Toyo Tires 265/30/19 Proxes T1 Sport

### EXTERIOR

- Paint and bodywork by Josh Croll
- Custom Mixed BASF R-M "Onyxside Orange/Triton" Paint, R-M Purple
- Croll's Customs One-Off Wide Body Kit
- Wide body Flares and Side skirts Molded On Vehicle
- Front Bumper: Grills Lowered for Increased Air Flow
- Center Grill Sectioned
- Flares Molded For Seamless Look
- Lower Door/Bumper Vents Opened for Brake Airflow
- Takata Tow Straps
- Shaved Antenna
- Rear Exhaust Opening Shaved on Bumper
- Rear Flares Molded To Bumper
- Aero Catch Hood Pins
- Hood Cut Out for Exhaust W/ Custom Heat Shield
- Shaved Windshield Wipers and Cowl
- Performance Bodego HIDs and Exterior Lighting
- JW Street Designs Vinyl Work

### INTERIOR

- Croll's Customs Right Hand Drive Conversion
- Box Custom RHD Dash
- Carbon Fiber Element wrapped interior trim
- Custom Radio Housing
- Performance Bodego LED Lighting
- TAKATA Race Pro LE Racing Seat, Side Mount Seat Brackets, Race 4-Point Harnesses
- EAT SLEEP RACE Door Panel Inserts, Shift Boot, E Brake Boot
- Custom Machined "tC" SMT Knobs
- Broadway Mirror

### AUDIO

- SCION Bespoke Audio
- OEM AUDIO- Reference 400P Complete Audio System, Direct F8 Subwoofer Enclosure

### PARTNERS

- Croll's Customs, EAT SLEEP RACE, ELITE JDM, Espe's Powdercoating, Carbon Fiber Element, Box Customs, Performance Bodego, Passward JDM, JW Street Designs, Tuner Evolution, BOOMSLAND, Wilwood, Downstar, TB Performance, Grip Royal, BASF, VP Race Fuel, Takata Racing, Toyo Tires, D2 Racing Suspension, OEM Audio, Forgostar Wheels, Vibrant Performance, Dozed Motorsports

**TUNER**  
CHALLENGE 2013

