

## Subaru Rally Team Canada

### 2015 WRX STI Open Class Rally Car Specifications

#### Vehicle Introduction:

- The all-new open class 2015 Subaru WRX STI has been built directly from a production road car body and powertrain package.
- The new body shape allowed for improved weight distribution and added driver safety.
- Specialist rally suspension and braking components have been used to maximize performance under rally conditions and maintain the superior performance, reliability, durability and quality of the 2015 WRX STI.
- The striking looks and aerodynamics of the new car are almost unchanged with the rear doors now manufactured from carbon fibre.

#### Vehicle Specifications:

##### **Body**

MY2015 WRX STI, FIA homologated roll cage, extended suspension turrets, reinforced suspension mountings. Rocket Rally carbon fiber rear doors, plastic windows and heated front screen.

##### **Engine**

Rocket Rally developed "open class spec" engine. Subaru EJ207 based with H-beam rods, forged pistons, increased compression ratio, Subaru JDM heads and cams. Garrett turbo, 34mm restrictor, Rocket Rally up-pipe, downpipe, exhaust and motorsport CAT. Crawford crank, Rocket Rally developed Motec M1 ECU with full engine control (anti-lag, launch control, DBW control, water injection) together with built in full throttle gear shift and center differential control. Configured and dyno tuned at Rocket Rally Racing.

##### **Fuel and Cooling**

Fuel Safe fuel cell, stainless steel hoses and AN fittings, Rocket Rally "high efficiency" radiator, intercooler and oil cooler package.

##### **Driveline**

Subaru 6MT transmission with sequential gear kit and Subaru DCCD. 2015 STI rear differential with STI motorsport limited slip differential. Driveshaft Shop carbon fiber prop shaft, STI heavy duty drive shafts, uprated clutch and flywheel.

##### **Chassis and Suspension**

EXE-TC Competition springs and dampers, 2015 STI front suspension with Rocket Rally reinforced front crossmember, STI motorsport bushes, STI motorsport steering rack. Rocket Rally tubular rear crossmember and control arms.

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### **Brakes**

Complete STI motorsport/AP Racing brake package with AP Racing floor mounted pedal box and hydraulic handbrake.

### **Electrical**

Motec Power Distribution Module (PDM) and keypad. Rocket Rally lightweight MIL spec wiring loom with CAN communication used extensively thorough. Motec digital dash/data logger. Stilo WRC intercom and ICOM radio system. Coralba rally trip computer.

### **Safety**

OMP HTE seats, steering wheel, fire suppression system and hand held fire extinguisher. TRS 6pt (HANS) harnesses and carbon fiber co-drivers foot plate, battery kill switch.

### **Wheels and Tires**

15" gravel rally wheels and tires

### **Fuel and Lubricants**

Elf race fuel, Gulf Competition engine and gear oil, PAS fluid, brake fluid and coolant.