

MCD
Racing

innovation

heritage



1/5 SCALE 4WD GAS POWERED RC CARS

precision

www.MCDRACING.COM





Innovation

A passion for design and technology creates the history of MCD Racing. Innovation is the right tool to clearly stand out from the competition in an increasingly competitive market. Ever since it was founded, MCD Racing has been a research factory, where technological solutions for producing the best large scale 4WD RC car have been designed and constructed. Today the research and development unit is itself a centre of excellent repute for the study of RC experience, thanks to its multidisciplinary approach covering physics, geometry, chemistry, ergonomics, styling and computer science.

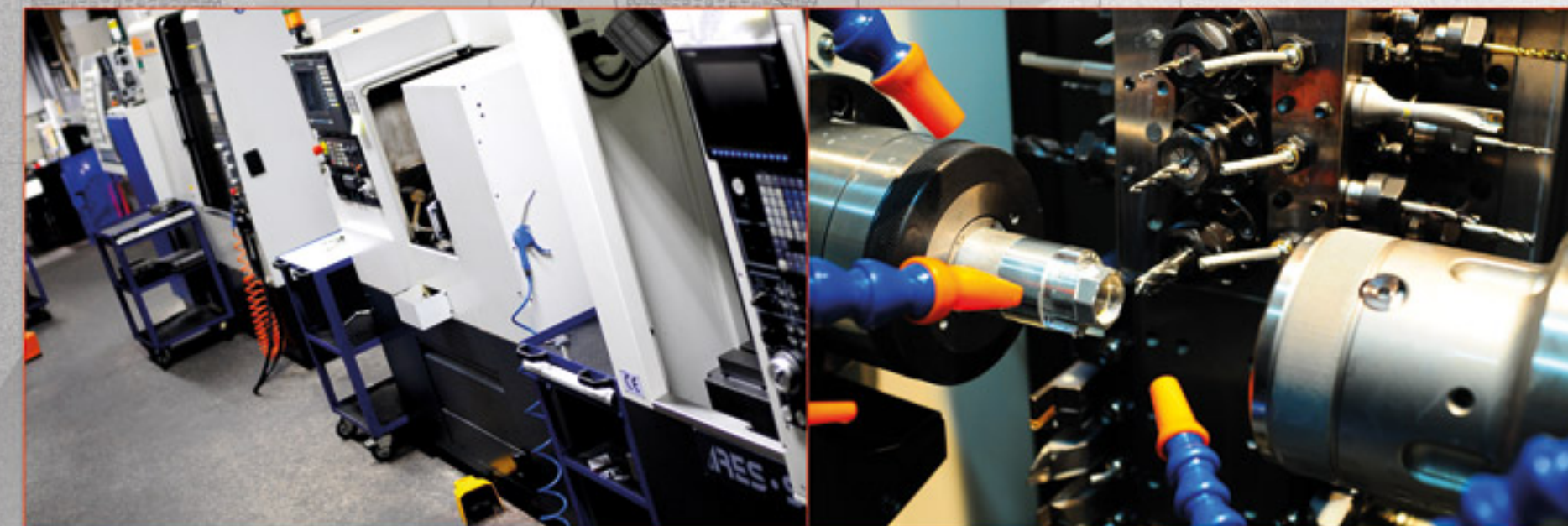


The Winning Experience



We observe the racers and gather information from the tracks, with these information we rapidly develop new race oriented ideas and re-implement them into our race machines. This is the experience behind this cycle that leads us at the championships.

The Brand Values



Competitive Development & Manufacturing

In-house manufacturing is an essential characteristic of the MCD brand values. Pace is not only important on the tracks but also on the development process. Our agility in manufacturing allows us to optimize our products rapidly with a high standard of precision and quality. This process is a result of a high-end collaboration between our R&D department and manufacturing that is adapting constantly to the latest manufacturing technologies.



4WD Drive Train

Since its establishment in 1990, MCD has focused on manufacturing only 4WD cars. As a company policy MCD strives to reach the best solution ever to create the best 4WD car in its class. As a result the MCD's are unrivalled; proven by the glorious victories all around the world.



Heritage

World's first 4WD 1/5,
World's first 1/5 shaft driven RC,
World's first convertible large scale platform...
For 20 years, in MCD, we are combining our experience with innovation. As a result of investing constantly on R&D, we have become a guiding company that sets the standards in the industry.

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power

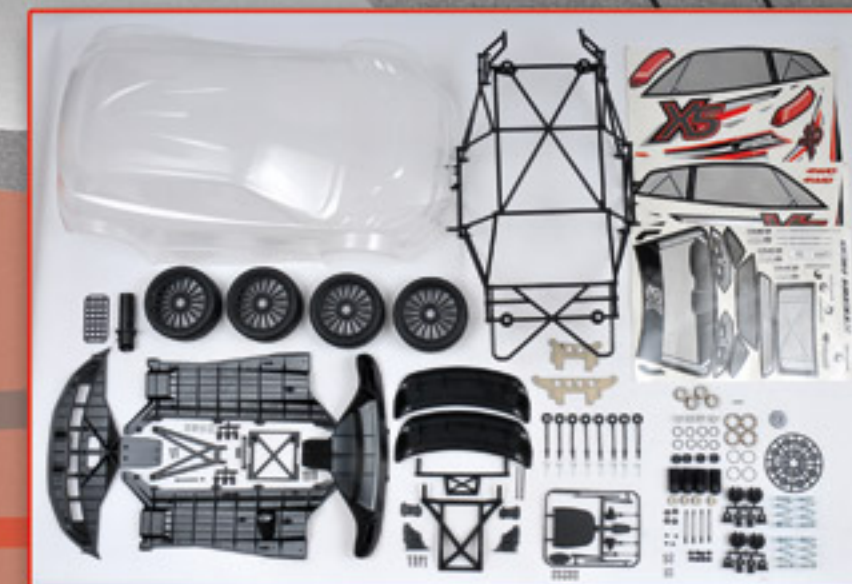
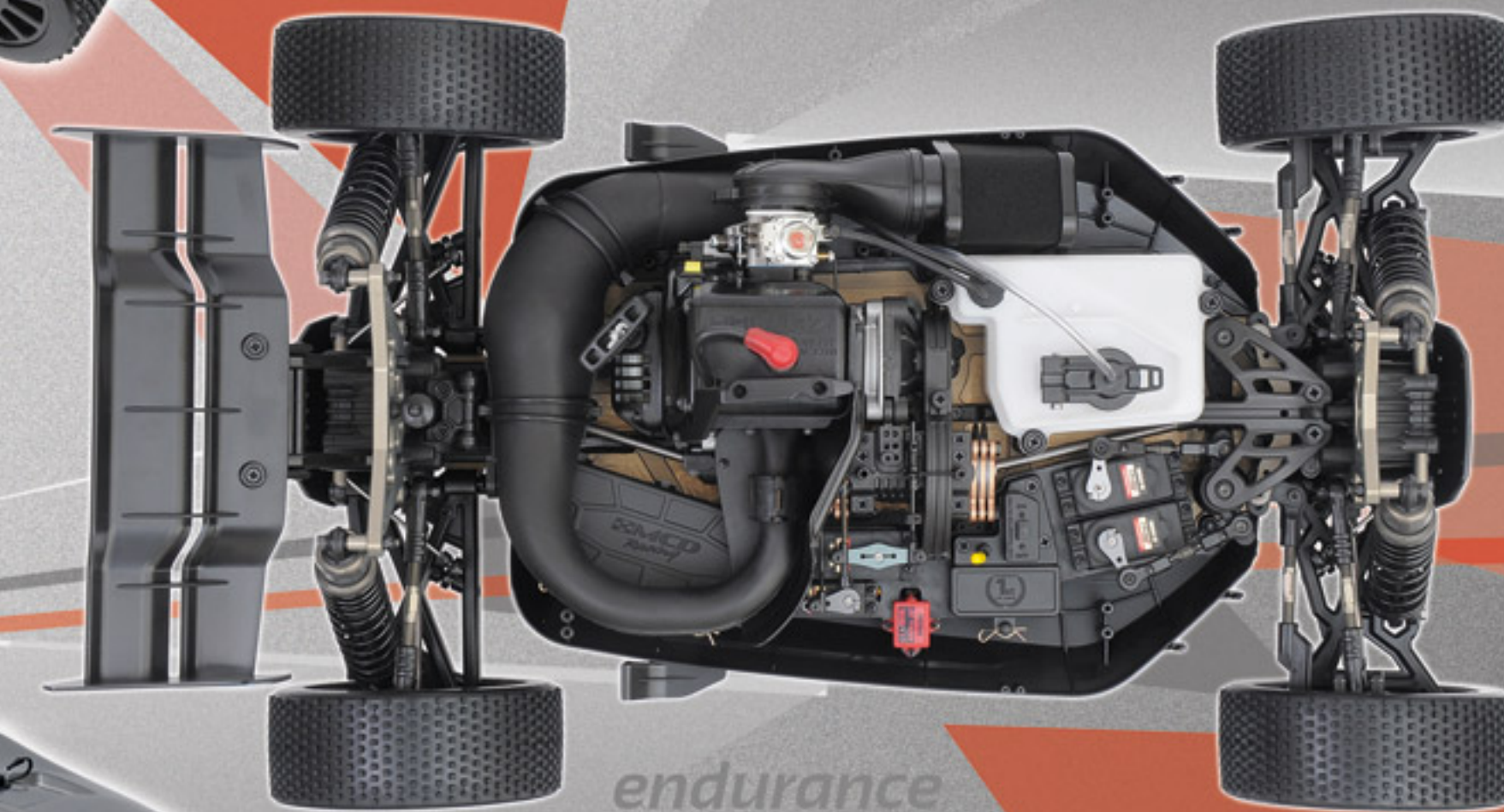
innovation

V5

1 PLATFORM 4 CARS

CONVERTIBILITY

A unique characteristic of MCD Racing is the ability to convert the cars easily. With the V5 Platform regardless of which model you have, you can completely convert your car from one model to another. Even off-road on-road conversions are easily possible.



precision

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All designs are patented

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Required for operation (not included): Engine, 2 ch. Radio, 2x steering servos, 1 throttle/break servos

THE V5 PLATFORM

Differential Housing
You can access to all 3 differentials easily.

Air Filter
The Viper Air Filter is designed for the smoothest air flow possible.

Fuel Tank
The RR5 fuel tank provides optimum solutions for extreme race conditions.

Steering
The RR5 steering gives a wide range of set-up abilities.

Shock Absorbers
The shocks provides increased wheel travel to keep the wheels on the track. The optional Internal High Pressurized Cell™ System approves MCD's contribution to the RC Racing arena.

Exhaust
The Barracuda Tune Pipe is optimized for RR5 with maximum torque and horsepower possible.

Brake System
Top of the line MCD central brake system -in service for years- is now even more powerful and reliable.

Electronics Tray
One-piece electronics tray houses all of the electronic components including an optional rear brake servo slot.

Easy Gear Mesh System
Easy gear mesh system allows changing and adjusting the gear ratio rapidly and easily. It also allows easy engine mounting/unmounting for cleaning and maintenance.

Chassis - Drive Train
The CNC machined 4mm 7075 aluminum RR5 chassis housing the unrivalled 4 WD MCD drive train is designed to obtain optimized stiffness, strength and weight. **Stiff** enough to harmoniously counter-react against the stresses and forces transmitted from the race tracks, **strong** enough to endure and **lightweight** enough to win. The alloy drive train parts are optional. The 7075 aluminum chassis is standat with the FT versions.

Centre
The main gear options are 64, 63 or 62 teeth and the smaller gear options are from 18 to 25. These provide a wide range of gear ratios starting from 7.44 to 10.67

F/R Diff Houses
Unscrew 7 screws and reach the differential where every second is vital for the race tracks.

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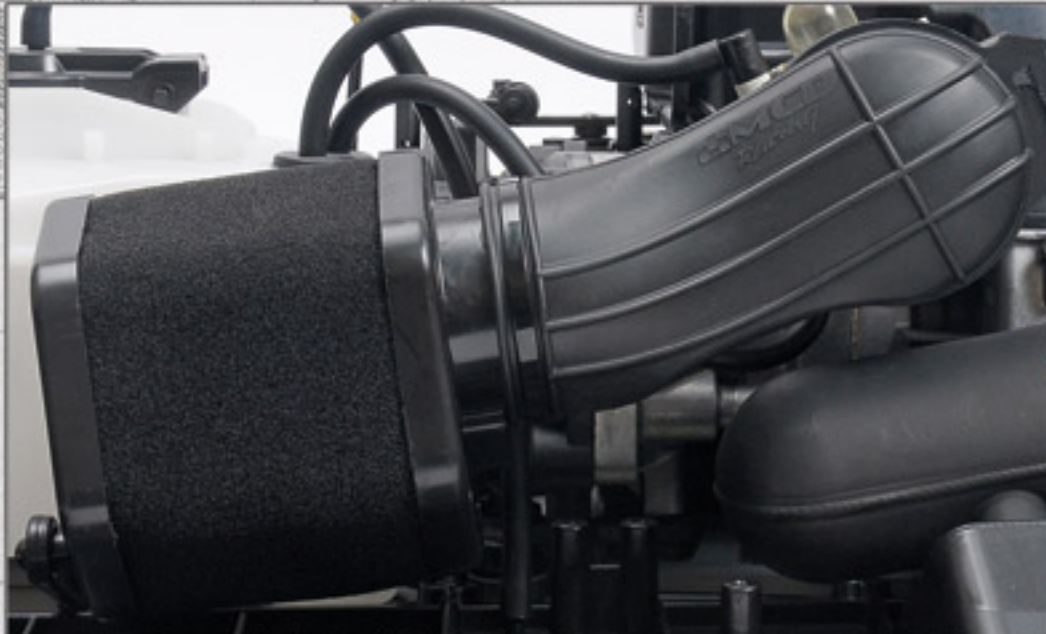
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Hot Air Circulation

A crucial issue during the races is to keep the engine temperature as low as possible. The new air separator system helps extracting the hot air while feeding the engine with cool air.



Air Filter

The Viper Air Filter is designed for the smoothest air flow in order to feed the engine with clean filtered air. When oiled properly the double layered air-filter can filter all tiny particules that can harm the engine.



Fuel Tank

The fuel tank comes with features to feed the RR5 continuously throughout the entire race. The bottom surface inclination lets the last drop of the gas to be used inside the tank. The smart partition system blocks fuel centrifugal forces, the unique double ball lid system prevents the leakage when rolled over.



High Pressurized Cell Shocks

A unique suspension feature by MCD is the Internal High Pressure Cell™ System prevents oil foaming in long periods of running conditions.



Steering

The steering allows the set-up abilities unique to MCD. It gives you either single or double servo use ability. You can also choose from the two possible Ackerman plates according to race track.



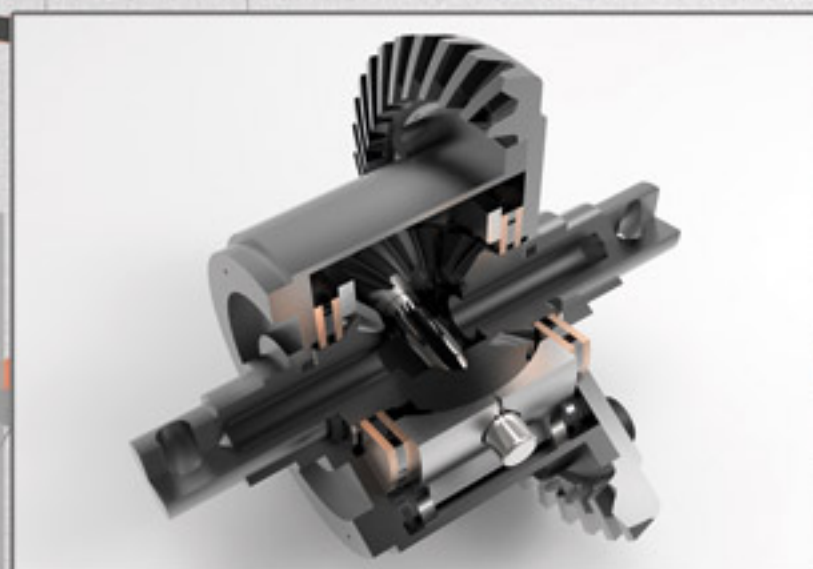
Brakes

The V5 features a highly powerful braking system that has adjustable front and rear pressure. An optional rear brake slot is available for top-class racers.



Differentials

The advantage of a LSD is in conditions where one wheel has no or less contact with the ground, the torque transmitted will be equal at both wheels. A limited-slip differential helps keeping both wheels in powered rotation. LSD torque can be changed with 60, 90 and 120 ramp pads which are available as option.



Caster Blocks

The RR5's camber, caster and toe settings can easily be adjusted. The caster blocks feature additional camber and roll centre position slots. You can use the upper slot for slippery tracks and the lower slot for bumpy tracks.

Electronics Tray

The longitudinal single piece electronics tray can be removed easily by removing 7 screws. The tray includes housing for the receiver, the switch, the batteries and the servos for steering, throttle and brakes. Even an optional rear brake servo slot is available for those whom will require the most out of their cars. Another benefit of the high strength composite tray is the extra rigidity it provides to the chassis.



Steering Double Servo Slots



Pro-Bite Racing Clutch

The Pro-Bite is developed to give more power and increased flexibility to the racers on track. Some technical advantages are on power rapid engagement and quick release. Using clutch discs instead of clutch shoe provides more traction by increasing the contact surface. Clutch discs also reduce the slip that help decreasing the heat on the clutch house considerably. Another advantage of the Pro-Bite over the traditional frictional clutches is that the engagement weight do not sustain friction so they don't wear during the race. As a result a consistent engagement point obtained from the beginning to the end of the race. (optional part)



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RR5 - A step further towards the evolution of a race machine.
The RR5, is the intersection point of the core values that have created our brand. Aimed at our enthusiasts, RR5 is a supreme race machine which embraces advanced solutions that came out of the profound observations and analysis of the races.

RR5

heritage

innovation

control

MCD Racing

Technical Specifications

Length	: 825 mm
Width	: 470 mm
Overall height	: 340 mm
Ground clearance	: 25/85 mm
Weight	: 12.4kg-12.8kg (depending on equipment installed)
Wheelbase	: 549/565 mm (Adjustable)
Trackwidth	: 402 mm
Chassis material	: T6 Alloy (4mm)
Suspension	: Non-parallel non-line independent
Caster angle	: 18° (14° - 20° Adjustable)
Camber angle	: Adjustable
Toe angle	: In board and out board adjustable
Anti-squat	: 3°
Kick-up	: 8° - 10° (Adjustable)
Shock absorber	: Coilover Oilfilled with 2nd Floating Piston
Transmission	: Full-Time 4WD Shaft driven
Gear ratio	: 9.14:1 (18 available 7.44:1 to 10.67:1)
Tyre size	: 68 x 180 mm (Micro-Stud Ultra Grip Compound)

endurance

RR5 FACTORY TEAM EC SPEC

Order Code: 00513001

RR5 COMPETITION

Order Code: 00512001

Please visit www.mcdracing.com for more info on RR5 Competition

power

The RR5 Factory Team Features

Top of the line competition off-road buggy • Easy assembly/dis-assembly • Easy maintenance • Centralized and compacted parts layout on chassis • Elite racing design ultra-durable high performance parts • Fifth generation chassis & suspension arms • Sophisticated full-time 4WD Shaft Driven mechanics • Ultra strengthened chrome drive shaft and axle • New easy gear mesh system • Easily removable one-piece electronics tray • CNC machined light-weight 7075 aircraft alloy chassis • Strengthened long wishbones • Solid and durable side guards • Easily removable composite front, rear and center diff houses • Ultra durable front and rear adjustable brake system • Rear-brake only servo slot • 8mm light-weight 7075 air craft alloy front and rear towers • Optimized multiple shock mounting holes • Coil-over extended composite shock absorbers with High Pressurized Cell™ System • Ultra hardened steel transmission gears • Bearing anti-roll bars • No-Stress-Effect polyamide front and rear bumper • New ball cup-joints • Improved brake linkage • Super-Cooling RR5 air ventilation system • Viper Racing Air Filters • Barracuda G performance exhaust improved for V5 (Optional) • Adjustable CG • Adjustable weight distribution • Molded fuel tank with shake absorbing separators • Front/rear/central 90° ramp self locking diffs • Fully composite body accessories • Rear wishbones mud guard • Drive and shock shaft boot

precision

durability

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Required for operation (not included): Engine, 2 ch. Radio, 2x steering servos, 1 throttle/break servos



Technical Specifications

Length	825 mm
Width	470 mm
Overall height	340 mm
Ground clearance	25-85 mm
Weight	12.8kg-13kg (depending on equipment installed)
Wheelbase	549-565 mm (Adjustable)
Trackwidth	402 mm
Chassis material	16 Alloy (4mm)
Suspension	Non-parallel non-line independent
Caster angle	18 / 14 / 20 (Adjustable)
Camber angle	Adjustable
Toe angle	In board and out board adjustable
Anti-squat	3°
Kick-up	8 / 10 (Adjustable)
Shock absorber	Coilover Oilfilled with 2nd Floating Piston
Transmission	Full Time 4WD Shaft driven
Gear ratio	9.14:1 (18 available 7.44:1 to 10.67:1)
Tyre size	68 x 180 mm (Micro Stud Ultra Grip Compound)

The RR5 Ultimate CF Limited Edition Features

Top of the line competition off-road buggy • Racing Cab-forward body shell • Easy assembly/dis-assembly • Easy maintenance • Centralized and compacted parts layout on chassis • Elite racing design ultra-durable high performance parts • Fifth generation chassis & suspension arms • Sophisticated full-time 4WD Shaft Driven mechanics • Ultra strengthened chrome drive shaft and axle • Easy gear mesh system • Easily removable one-piece electronics tray • CNC machined light-weight 7075 aircraft alloy chassis • Strengthened long wishbones • Solid and durable side guards • Easily removable composite front, rear and center diff houses • Ultra durable front and rear adjustable brake system • Rear-brake only servo slot • 8mm light-weight 7075 aircraft alloy front and rear towers • Optimized multiple shock mounting holes • Coil-over extended composite shock absorbers with High Pressurized Cell™ System • Ultra hardened steel transmission gears • Bearing anti-roll bars • No-Stress-Effect polyamide front and rear bumper • New ball cup-joints • Improved brake linkage • Super-Cooling RR5 air ventilation system • Viper Racing Air Filters • Barracuda G performance exhaust improved for V5 • Adjustable CG • Adjustable weight distribution • Molded fuel tank with shake absorbing separators • Front/rear/central 90° ramp self locking diffs • Fully composite body accessories • Rear wishbones mud guard • Drive and shock shaft boot

The RR5 Ultimate CF Limited Edition

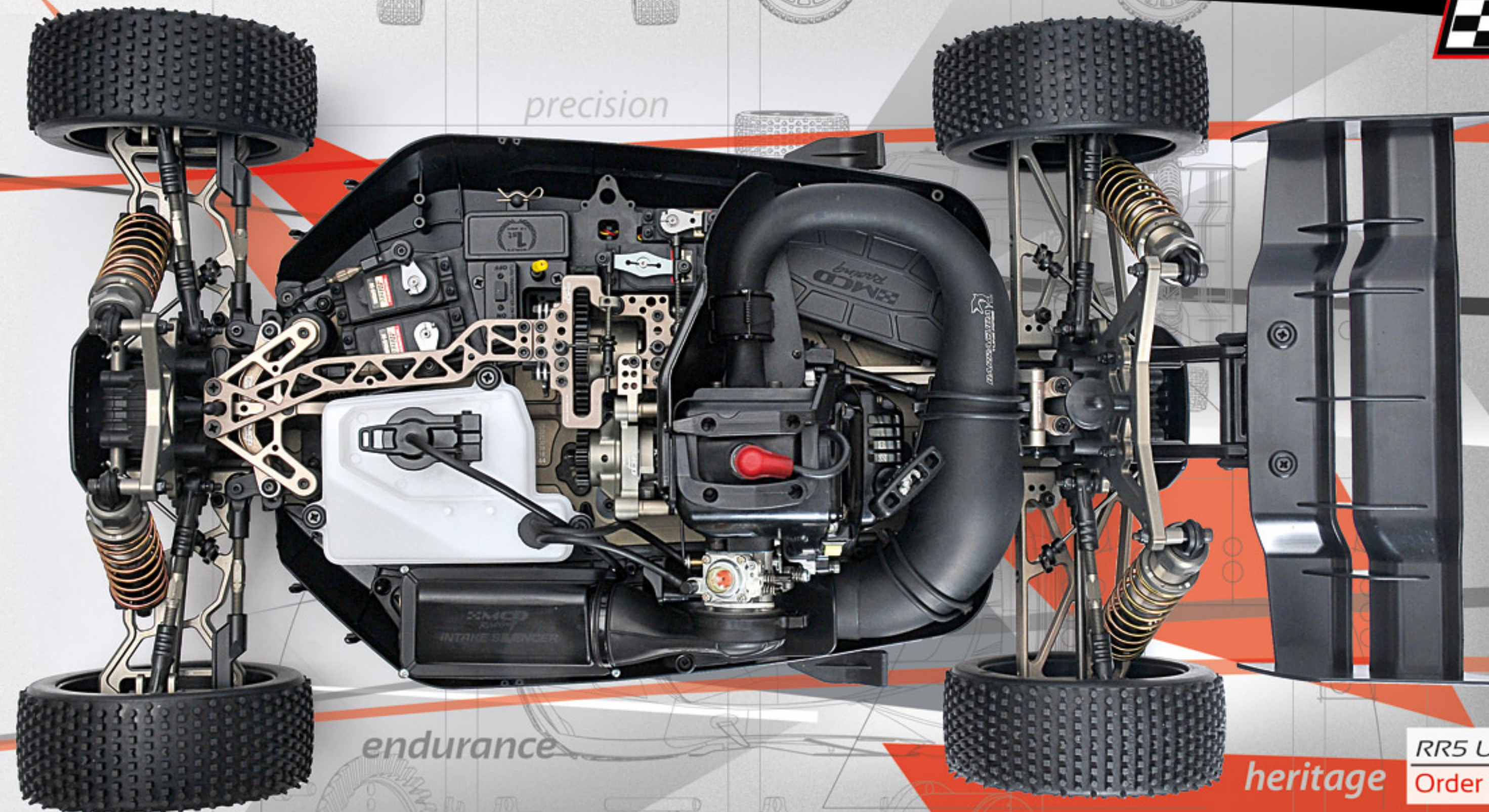
We proudly present our top of the line Racing Spec Buggy the RR5 Ultimate CF LE. The Ultimate is developed by the huge demand we have been receiving from our fans for years.

The Ultimate version is including all of the optional alloy upgrade parts that are developed by the MCD Racing Engineering Department. The parts were used and tested by MCD Racing Team Drivers during many races including the Euro Championships.

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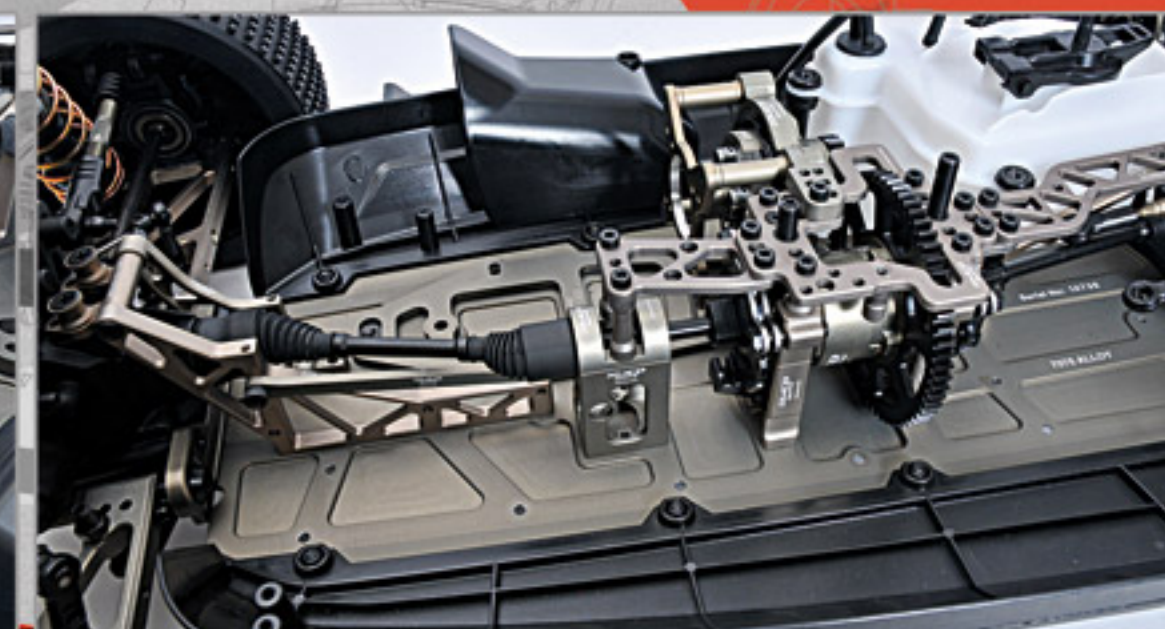
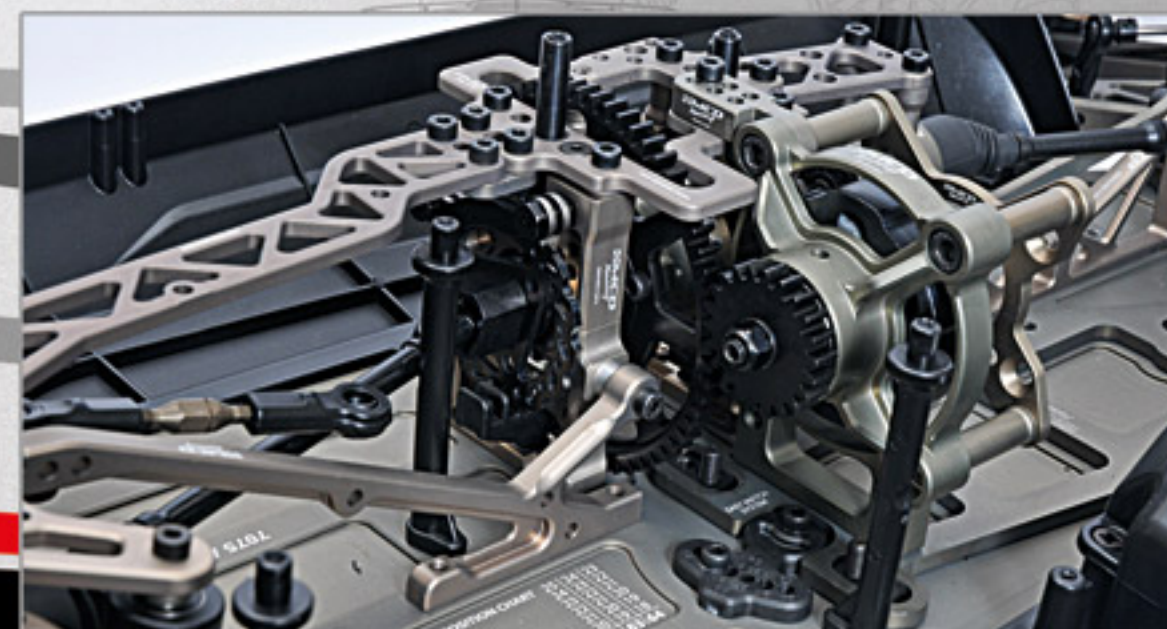
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The Ultimate included parts:

200402A	LSD Diff. Case Alloy
230803A	F/R CCD Axle Alloy
260102S	Brake Disc Lightweight ABS
290101X	Pro-Bite Racing Clutch
300107X	F/R Wishbone Alloy Set Complete
300603A	Front Hub Alloy Set L/R
300604A	Rear Hub Alloy Set L/R
300704A	L/R Caster Block Set 0 Deg. Alloy
301204X	Rod-end Lightweight Turnbuckle Set Alloy
320302A	Rear Shock Absorber Body Alloy
320402A	Front Shock Absorber Body Alloy
381002A	Steering Servo Turnbuckle Alloy
415202A	Center Diff. Holder Set Alloy
415302A	Brake Plate Alloy
415402A	Lay Shaft Carrier Alloy Set
415502A	Clutch Bell Carrier Alloy
415701A	Engine Clutch House Alloy
445102A	Front Stiffener Alloy
445202A	Rear Stiffener Alloy Set
445301A	Top Stiffener Alloy
725302A	Carburetor / AirFilter Venturi Alloy
725801X	Air Box Intake Silencer
750601X	Barracuda G Performance Exhaust Set

RR5 Ultimate EC Spec LE 2016

Order Code: 00514002



All designs are patented

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Required for operation (not included): Engine, 2 ch. Radio, 2x steering servos, 1 throttle/break servos

W5 SET



W5 - The Power of Beauty

MCD W5 continues to define the large scale off-road segments with its cutting edge technology and build-quality. Technical superiority, unrivalled endurance, terrific 4WD handling and strong emotions are the qualities that have always set MCD apart in the world large scale RC scenario. The same values lie behind the W5.

W5's bold, aggressive styling is conveyed by the superior MCD quality V5 chassis. Viewed in profile, the W5 states a sense of poise and strength, with a unique hood scoop and huge fender arches housing large 190mm Xross-Max Series Tyres and stylish wheels providing a powerful posture. The W5, a powerful blend of strength, agility and beauty is the Short Course truck from MCD Racing for the most demanding off-road enthusiasts.

endurance

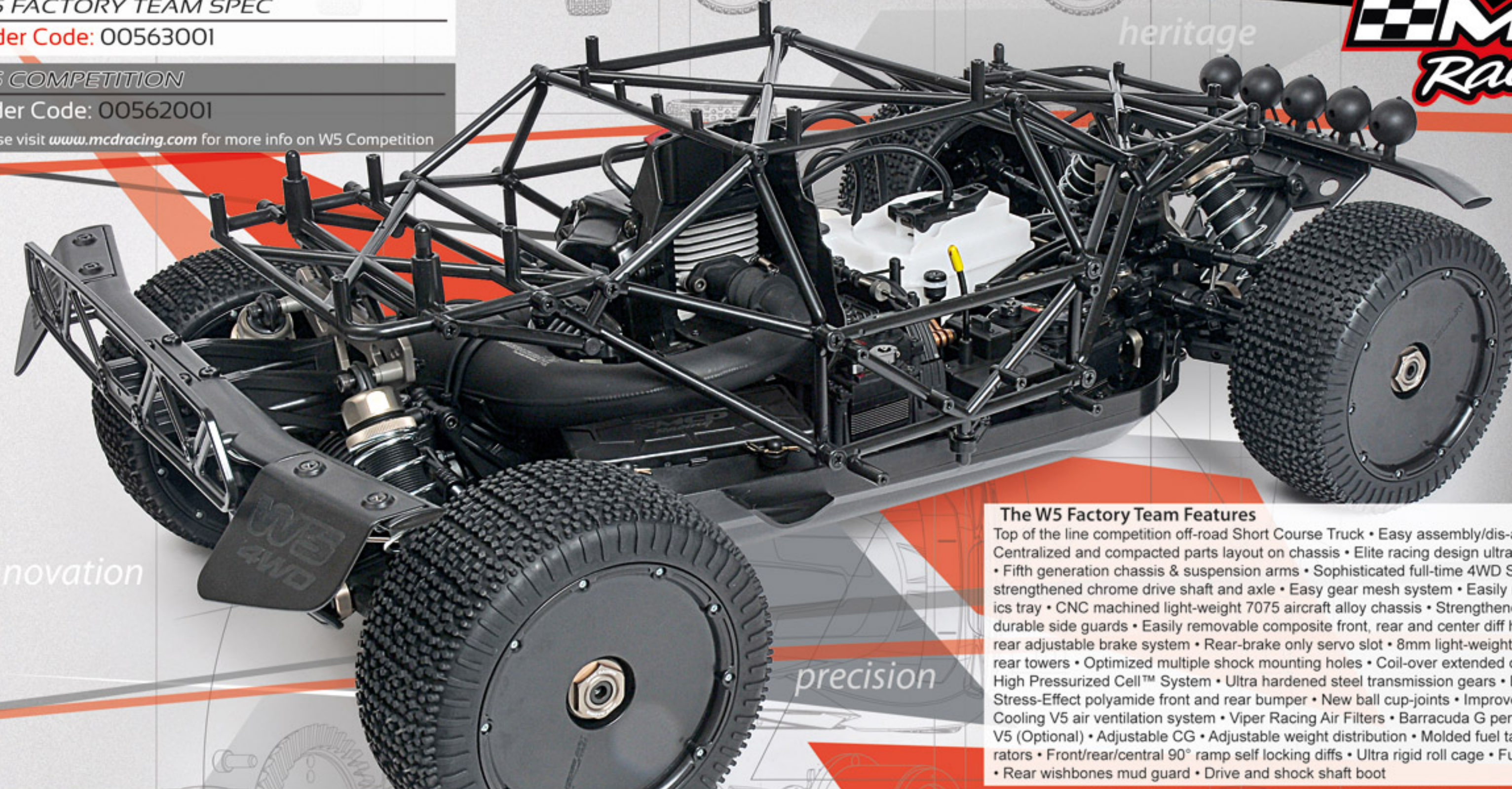
W5 FACTORY TEAM SPEC

Order Code: 00563001

W5 COMPETITION

Order Code: 00562001

Please visit www.mcdracing.com for more info on W5 Competition



heritage

MCD Racing

control

innovation

power

precision

The W5 Factory Team Features

Top of the line competition off-road Short Course Truck • Easy assembly/dis-assembly • Easy maintenance • Centralized and compacted parts layout on chassis • Elite racing design ultra-durable high performance parts • Fifth generation chassis & suspension arms • Sophisticated full-time 4WD Shaft Driven mechanics • Ultra strengthened chrome drive shaft and axle • Easy gear mesh system • Easily removable one-piece electronics tray • CNC machined light-weight 7075 aircraft alloy chassis • Strengthened long wishbones • Solid and durable side guards • Easily removable composite front, rear and center diff houses • Ultra durable front and rear adjustable brake system • Rear-brake only servo slot • 8mm light-weight 7075 air craft alloy front and rear towers • Optimized multiple shock mounting holes • Coil-over extended composite shock absorbers with High Pressurized Cell™ System • Ultra hardened steel transmission gears • Bearing anti-roll bars • No-Stress-Effect polyamide front and rear bumper • New ball cup-joints • Improved brake linkage • Super-Cooling V5 air ventilation system • Viper Racing Air Filters • Barracuda G performance exhaust improved for V5 (Optional) • Adjustable CG • Adjustable weight distribution • Molded fuel tank with shake absorbing separators • Front/rear/central 90° ramp self locking diffs • Ultra rigid roll cage • Fully composite body accessories • Rear wishbones mud guard • Drive and shock shaft boot

Technical Specifications

Length	: 880 mm
Width	: 490 mm
Overall height	: 330 mm
Ground clearance	: 25/85 mm
Weight	: 13.5kg - 14.3kg depending on equipment installed
Wheelbase	: 540/565 mm (Adjustable)
Trackwidth	: 402 mm
Chassis material	: 16 Alloy (4mm)
Suspension	: Non-parallel non-line independent
Caster angle	: 18° (14° - 20° Adjustable)
Camber angle	: Adjustable
Toe angle	: In board and out board adjustable
Anti-squat	: 3°
Kick-up	: 8°/10° (Adjustable)
Shock absorber	: Coilover Oilfilled with 2nd Floating Piston
Transmission	: Full-Time 4WD Shaft driven
Gear ratio	: 9, 14:1 (18 available 7, 44:1 to 10, 67:1)
Tyre size	: 84 x 190 mm (Xross-Max)



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All designs are patented

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XS 5

XS 5 - The pinnacle of the worlds large scale super sports car market.
Built on the proven 5 series MCD Racing chassis the XS-5 is defining the pinnacle of the worlds large scale super sports car market. The XS-5 is a precision engineering and superior handling machine combined with a unique design language emphasizing XS-5's aggressive and dynamic style.

MCD
Racing

durability

Technical Specifications

Length	: 910 mm
Width	: 470 mm
Overall height	: 250 mm
Ground clearance	: 25-40 mm
Weight	: 13.3kg -13.7kg (Depending on equipment installed)
Wheelbase	: 565 mm ±8mm (adjustable)
Trackwidth	: 402 mm
Chassis material	: T6 Alloy (4mm)
Suspension	: Non-parallel non-line independent
Caster angle	: 8° - 18° adjustable
Camber angle	: Adjustable
Toe angle	: In-board and out-board adjustable
Anti-squat	: 3°
Kick-up	: 8°-10° (adjustable)
Shock absorber	: Coil-over Oil-filled with second floating piston
Rear Squat	: 5 Degrees
Transmission	: Full-Time 4WD Shaft driven
Gear ratio	: 7.88:1 (18 available 7.44:1 to 10.67:1)
Tyre size	: 65 x 160 mm (Rossa HS Ultra Grip Compound)
Engine type	: Zenoah - CY 26cc, 27cc, 29cc (not included)

The XS 5 Factory Team Features

Top of the line competition Super Sport Car • Easy assembly/dis-assembly • Easy maintenance • Centralized and compacted parts layout on chassis • Elite racing design ultra-durable high performance parts • Fifth generation chassis & suspension arms • Sophisticated full-time 4WD Shaft Driven mechanics • Ultra strengthened chrome drive shaft and axle • Easy gear mesh system • Easily removable one-piece electronics tray • CNC machined light-weight 7075 aircraft alloy chassis • Strengthened wishbones • Solid and durable aerodynamic side guards • Easily removable composite front, rear and center diff houses • Ultra durable front and rear adjustable brake system • Rear-brake only servo slot • 5mm light-weight 7075 air craft alloy front and rear towers • Optimized multiple shock mounting holes • Coil-over extended composite shock absorbers with High Pressurized Cell™ System • Ultra hardened steel transmission gears • Bearing anti-roll bars • No-Stress-Effect polyamide front bumper • Solid and durable rear diffuser • New ball cup-joints • Improved brake linkage • Super-Cooling V5 air ventilation system • Viper Racing Air Filters • Barracuda G performance exhaust improved for V5 (Optional) • Adjustable CG • Adjustable weight distribution • Molded fuel tank with shake absorbing separators • Front/rear/central 90° ramp self locking diffs • Fully composite body accessories • Drive and shock shaft boot

innovation

precision

control

heritage

XS 5 FACTORY TEAM EC SPEC

Order Code: 00533001

XS 5 COMPETITION

Order Code: 00532001

Please visit www.mcdracing.com for more info on XS 5 Competition

www.mcdracing.com

www.mcdracing.com

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Required for operation (not included): Engine, 2 ch. Radio, 2x steering servos, 1 throttle/break servos

X5

innovation

The Ultimate Rallycross Experience.

The X5 Rally is the ultimate Rallycross experience built on the proven 5 series MCD Racing chassis. The X5 is an expression of MCD's meticulous approach to styling language unique to MCD Racing. Aggressive driving dynamics combined with superior handling characteristic are a result of MCD precision engineering capabilities.

The X5 includes an ultra rigid roll-cage and equipped with the finest accessories & parts such as the rear diffuser, rear wing, side, front bumper, new 160mm (6.3 inch) super-grip low profile on-road tires and new 17 spoke high performance rims. The new Rossa HS on-road tires will be available in two different compounds; white and blue spot.



X5 FACTORY TEAM SPEC

Order Code: 00523001

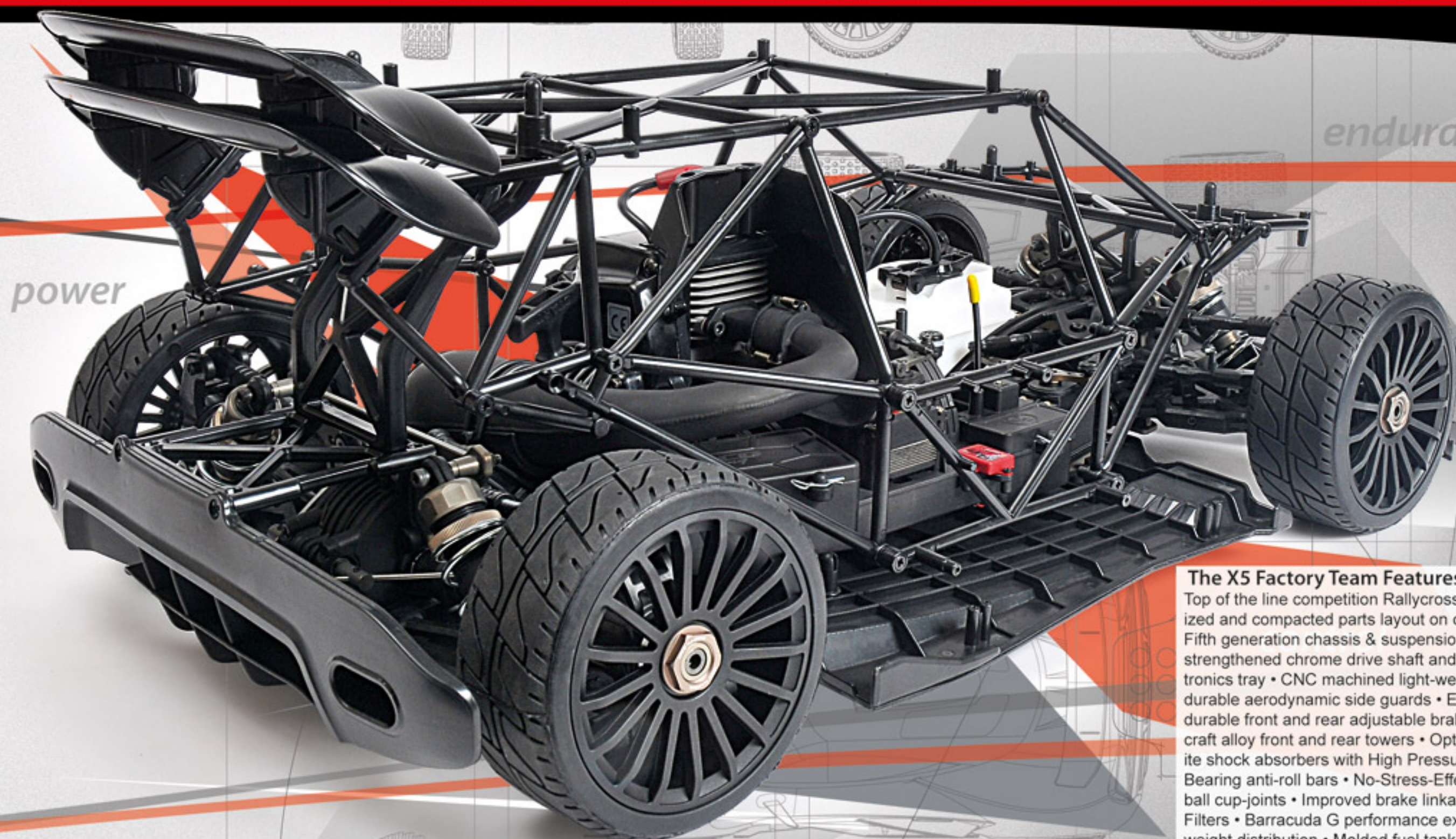
X5 COMPETITION

Order Code: 00522001

Please visit www.mcdracing.com for more info on X5 5 Competition

durability

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power

MCD Racing

Technical Specifications

Length	: 910 mm
Width	: 470 mm
Overall height	: 330 mm
Ground clearance	: 25-40 mm
Weight	: 15kg
Wheelbase	: 565 mm ±8mm (adjustable)
Trackwidth	: 402 mm
Chassis material	: T6 Alloy (4mm)
Suspension	: Non-parallel non-line independent
Caster angle	: 8° - 18° adjustable
Camber angle	: Adjustable
Toe angle	: In-board and out-board adjustable
Anti-squat	: 3°
Kick-up	: 8°-10° (adjustable)
Shock absorber	: Coil-over Oil-filled with second floating piston
Rear Squat	: 5 Degrees
Transmission	: Full-Time 4WD Shaft driven
Gear ratio	: 7.88:1 (18 available 7.44:1 to 10.67:1)
Tyre size	: 65 x 160 mm (Rossa HS Ultra Grip Compound)
Engine type	: Zenoah - CY 26cc, 27cc, 29cc (not included)

The X5 Factory Team Features

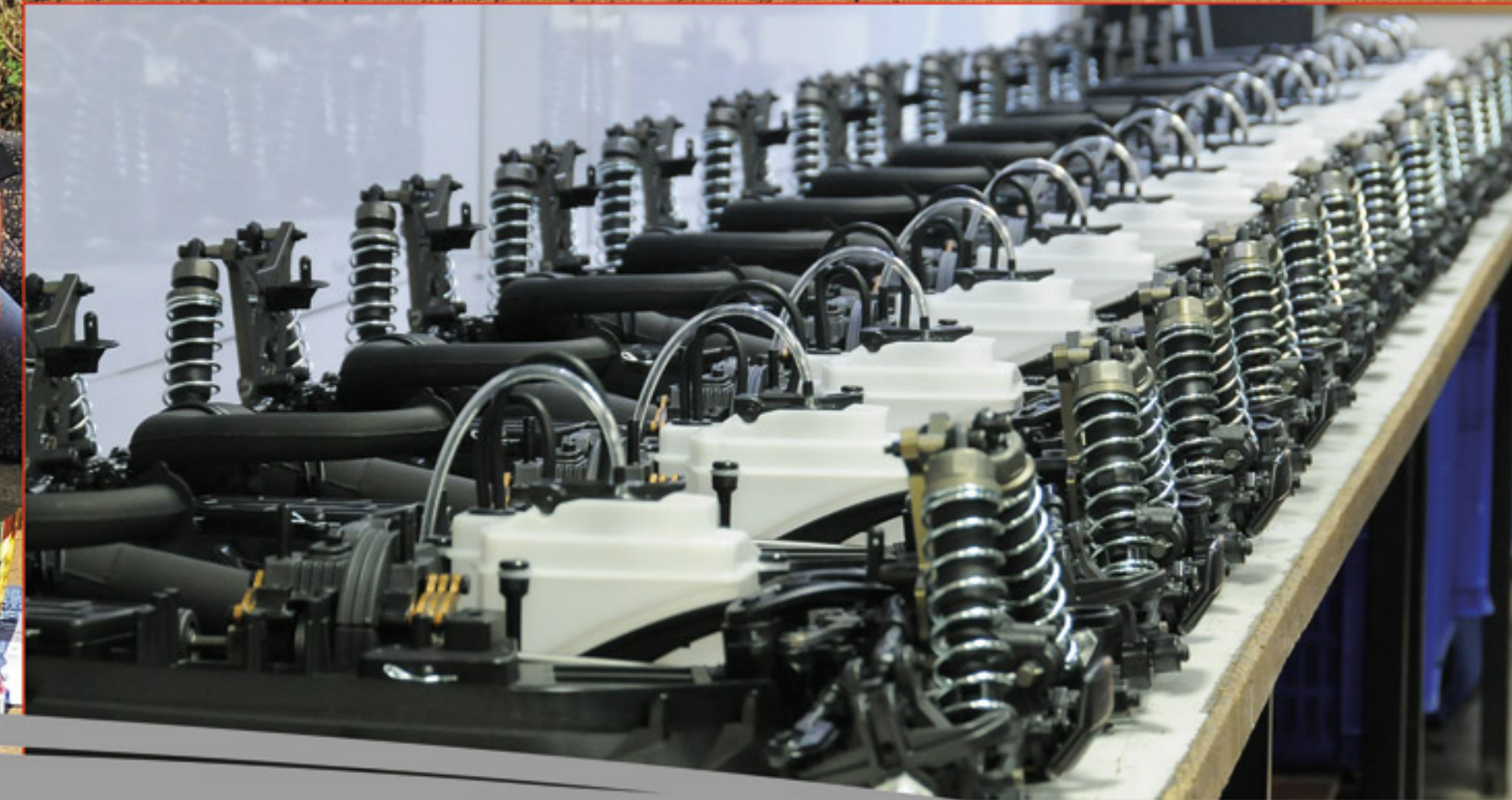
Top of the line competition Rallycross Car • Easy assembly/dis-assembly • Easy maintenance • Centralized and compacted parts layout on chassis • Elite racing design ultra-durable high performance parts • Fifth generation chassis & suspension arms • Sophisticated full-time 4WD Shaft Driven mechanics • Ultra strengthened chrome drive shaft and axle • Easy gear mesh system • Easily removable one-piece electronics tray • CNC machined light-weight 7075 aircraft alloy chassis • Strengthened wishbones • Solid and durable aerodynamic side guards • Easily removable composite front, rear and center diff houses • Ultra durable front and rear adjustable brake system • Rear-brake only servo slot • 5mm light-weight 7075 air craft alloy front and rear towers • Optimized multiple shock mounting holes • Coil-over extended composite shock absorbers with High Pressurized Cell™ System • Ultra hardened steel transmission gears • Bearing anti-roll bars • No-Stress-Effect polyamide front bumper • Solid and durable rear diffuser • New ball cup-joints • Improved brake linkage • Super-Cooling V5 air ventilation system • Viper Racing Air Filters • Barracuda G performance exhaust improved for V5 (Optional) • Adjustable CG • Adjustable weight distribution • Molded fuel tank with shake absorbing separators • Front/rear/central 90° ramp self locking diffs • Ultra rigid roll cage • Fully composite body accessories • Drive and shock shaft boot



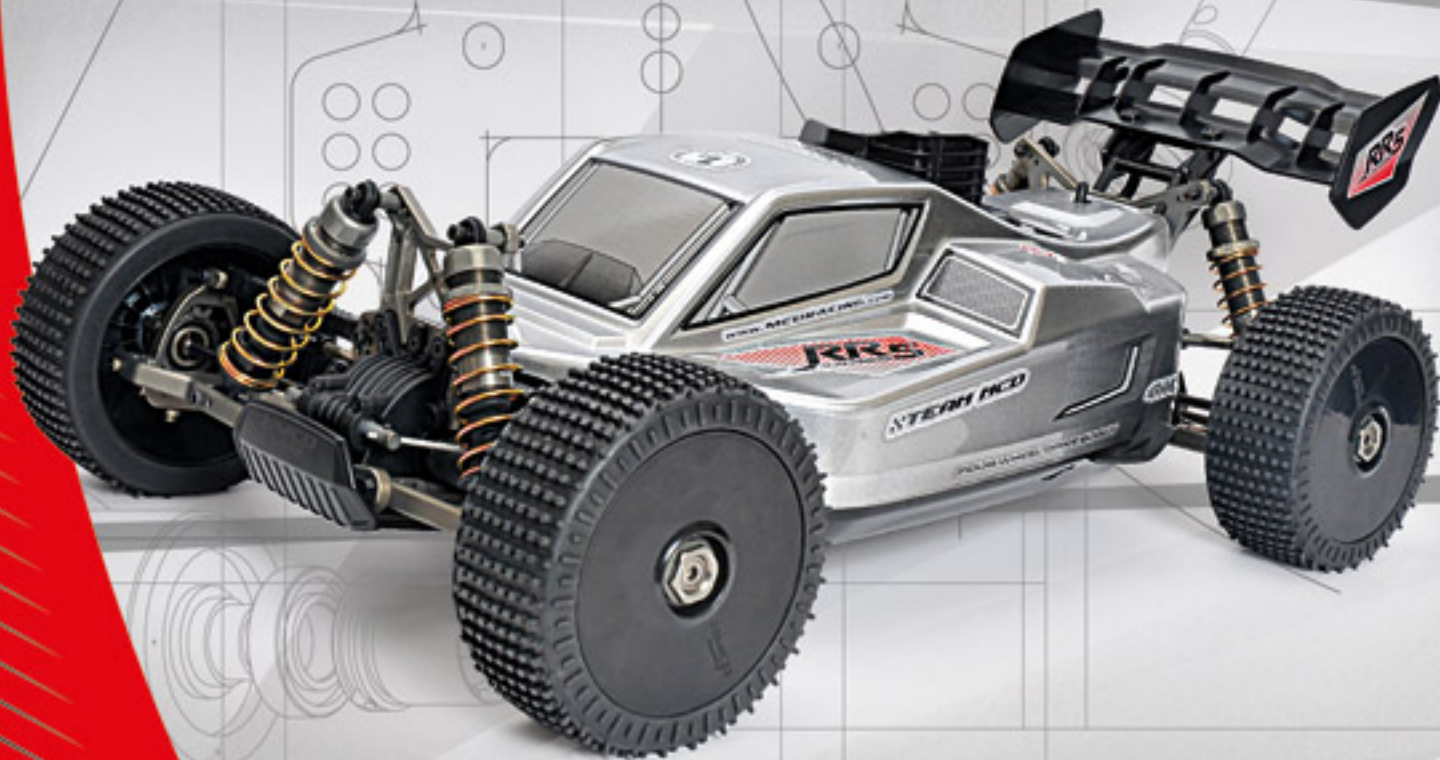
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