

#330001 XRAY NT1 – 2009 Specs 1/10 Luxury Nitro Racing Sedan

Based on the ultra-successful NT1, the new 2009-spec NT1 has been improved yet again to have unbeatable performance and value. With many awards and successes on and off the track — multiple Car of the Year winner, World Championship podium finisher, US Champion, Euros TQ/Vice-champion, and dozens of National titles around the world — bringing the NT1 to the next level was a challenging task for NT1 Chief Designer Martin Hudy and the XRAY design team.

XRAY's primary focus was on improving fine details while increasing reliability and performance. Value being a foremost consideration, XRAY is very pleased to include as standard many new and improved parts that were previously only available as options. The 2009 NT1 is a premier nitro touring car straight out-of-the-box, able to put you into the winners circle at a club, national, or world championship level... with all the finest features that put Chief Designer Martin Hudy himself on the podium at the 2008 World Championships. Bring home victory with the 2009 NT1, the best of the best.

NT1 SPEC. 2009 TEILE

inklusive XRAY Aluminum Racing Shocks
inklusive HUDY Federstahl™ CVD Wellen (vorne und hinten)
NEU: Breiteres Getriebezahnrad für den 2-Gang
NEU: Optimierte und neu entwickelte Aufhängungsteile
NEU: Breiter Mittelriemen
NEU: Neuer Tankdeckel
NEU: Halterung für mittelgroße Lenkservos
NEU: Halterung für mittelgroße Gasservos
NEU: Verbesserter Riemenspanner
NEU: Geänderte Radioplatte
NEU: härte Federn für das 2-Gang-Getriebe

XRAY NT1 — Empowered with Luxury and Performance

Smooth flowing lines, distinctive design touches, all sculpted in lightweight platform - an amalgam of power, dramatic styling, superior technology, pure luxury and performance. With XRAY's uncompromising design philosophy bringing everything together to make the best nitro touring car, the NT1 has the unique XRAY character, borne of precision craftsmanship, highest attention to detail, and using only the finest quality materials. For drivers with an irrepressible drive to win, the NT1 is the answer.

The ultimate expression of racing passion. The art of performance. NT1.

Dipl. Eng. Juraj Hudy
Chief Engineer, XRAY

General

- Developed, designed and styled by legendary Ing. Juraj Hudy, manufactured exclusively by XRAY in Europe in the world's most sophisticated RC manufacturing facility
- Pure racing design, premium luxury quality, and highest performance
- Premium, exclusive, and high-tech materials used throughout
- The world's lowest CG nitro touring car platform
- Unique and revolutionary chassis flex adjustment with optional Multi-Flex™ 1-piece engine mounting system
- Easy access to all drivetrain parts allows super-quick rebuilds and set-up changes

Chassis

- CNC-machined 3mm Swiss 7075 T6 chassis
- Improved radio plate is CNC-machined from top-quality 2.5mm graphite
- Centralized 75cc fuel tank with internal stone-type filter
- New fuel tank pressure cap with 1-pc profiled seal for perfect fitment and sealing
- Ultra-low and lightweight front and rear split bulkheads allow super-easy diff access
- Belt tension adjustment in front and rear bulkheads
- Unique compact lightweight radio case with rubber-covered Quick-Exchange system for receiver crystal access
- Centralized, low-mounted receiver battery pack is located below the fuel tank for easy access
- Optional micro-size receiver battery pack allows fuel tank lowering by 3mm, creating an ultra-low nitro touring platform

Engine & Clutch

- Quick-set 2-piece aluminum engine mount system with fixed engine position for super-easy engine installation and gear mesh adjustment
- After initial gear mesh is set, the engine position is 100% held in place and the engine can be installed-reinstalled any time without any need for any further gear mesh adjustment
- Swiss 7075 T6 hardcoated flywheel
- Easily-adjustable 3-shoe XCA (XRAY Centrifugal-axial) clutch
- 1-piece pressure plate manufactured from specially-developed material for positive engagement
- Clutch nut and preload adjustment collar manufactured from special HUDY Spring Steel™ for maximum lifespan and durability
- Ultra-lightweight precision support plate and spring cup manufactured from high-tensile 7075 T6 aluminum
- Clutchbell manufactured from high-grade special steel, heat treated for high durability and increased lifespan
- Clutchbell / pinion gear construction allows super-precise assembly
- Swiss 7075 T6 machined pinion gears have individually-machined teeth on a high-precision gear production machine, then are specially hardcoated for maximum life
- Carbide axial thrustbearing and high-tensile spring included
- Robust spring-mounted exhaust mounting system

Brakes

- Aluminum brake 7075 T6 hub with precision-pressed pins
- Laser-cut, precision flat-ground ventilated steel brake disk for ultra-efficient fade-free braking
- High-grip Ferodo™ brake pads
- Brake disk and brake pads heat treated for maximum lifespan
- CNC-machined 7075 T6 aluminum brake cam is ball-bearing supported allowing super smooth and precise brake control

Drivetrain

- XRAY has developed the most efficient, smoothest drivetrain using optimum belt and pulley construction with the lowest rotating mass
- New wider central drive belt for increased durability and lifespan
- Exclusive HUDY Spring Steel™ drivetrain parts for highest performance and unmatched lifespan
- High-performance HUDY Spring Steel™ front & rear CVD drive shafts
- The world's smallest and lightest differentials allow super-low mounting, lowering the car's CG to the maximum
- Diff outdrives manufactured from exclusive HUDY Spring Steel™ are specially hand-ground for maximum precision and smooth operation
- PUR® reinforced high-efficiency, low-friction, fine-pitch drive belts
- Oversized pulleys for maximum efficiency belt wrapping
- Pulleys molded from frictionless composite material for high lifespan
- Complete set of high-speed, blue-sealed ball-bearings, degreased, lightly oiled for maximum efficiency, individually controlled, selected, and inspected

2-Speed Transmission

- Precision manufactured super-smooth middle layshaft from tough HUDY shaft steel for 2-speed, specially heat treated for extra strength and long life
- High-quality German one-way bearing hand-ground before installation for maximum running precision and strength
- Specially-designed adjustable graphite side-belt tensioner allows easy engine removal
- 2-speed spur gear adapter CNC-machined from Swiss 7075 T6 for precision fitting of one-way bearing, allowing super-precise and wobble-free installation of spur gears
- New wider 2-speed 2nd gear for increased durability and lifespan
- New stiffer 2-speed springs
- The world's most precise spur gears molded from special composite mixture and injected from the center ensures wobble-free running and eliminates run-out
- Precise 2-speed adapter manufactured from hardened steel

Differentials

- The world's smallest and lightest differentials for enhanced efficiency of the lightweight drivetrain system
- Super-smooth, no-slip, high-durability differentials are easily adjustable with different diff oils
- Solid axle diff adapter transforms differential into solid axle (spool)
- Diff outdrives manufactured from HUDY Spring Steel™ specially ground for maximum precision
- Easy differentials access: front diff accessible by removing 4 screws, rear diff accessible by removing 6 screws

Suspension

- Advanced suspension geometry optimized and finely tuned for high-competition racing
- Lightweight yet durable and reinforced suspension parts molded from XRAY's own composite mixture for suspension parts
- High-tensile steel suspension pivot pins polished for smooth suspension action. The captured-pin suspension design eliminates the need for E-clips

- Front and rear CNC-machined premium graphite shock towers (front 2.5mm, rear 3.0mm) feature optimized shock positions for high-competition racing
- 3mm graphite rear roll center bridge with optimized rear roll center positions
- Fully-adjustable suspension featuring I.S.S. (Integrated Suspension Settings™)
- Small, robust rear uprights feature two easily-adjustable upper roll center positions
- Easily-adjustable wheel offset using optional shims or offset wheel axles (+/-0.75mm)
- Hand-ground blade-style front-anti roll bars manufactured from Hudy Spring Steel™ are easily adjustable to alter stiffness
- Rear anti-roll bar adjustability by exchanging optional anti-roll bar wire
- Premium Hudy Spring Steel™ adjustable turnbuckles
- Lightweight, super-strong aircraft aluminum pivot ball nuts
- Precision pivot balls are specially hardened for enhanced lifespan and to withstand hard crashes

Steering

- Centralized ball-raced steering servo saver with adjustable spring tension
- New servo mount for mid size servos
- Easily-adjustable Ackermann positions using integrated inserts

Shocks

- XRAY 4-step externally-adjustable shocks featuring standard fixed and adjustable pistons
- New fine-threaded alu racing shock bodies for precise height adjustment
- Specially-hardened shock shafts for maximum strength
- XRAY self-developed and manufactured ultimate racing springs are hand-selected for maximum precision, equal length, and equal damping characteristics

Body & Wheels

- Front upper and lower composite bumper made from special composite material to withstand hard impacts
- Compact front foam bumper made from lightweight, high-resilience foam
- Thick 6mm body posts can withstand hard crashes and back-flips
- XRAY Nitro-Star wheels feature special inner rib structure, and the non-deforming design ensures the highest performance under all racing conditions

Assembly & Support

- Premium 3D full-color Instruction Manual and comprehensive XRAY Setup Book
- Exclusive Virtual Online Setup Sheet database with thousands of setup sheets for race tracks around the world
- Premium, unmatched XRAY's online support

Adjustment Possibilities:

- Fully-adjustable front and rear suspension geometry: caster, camber, toe, anti-dive, anti-squat, ride height, droop, track-width and roll centers
- Optional XRAY Multi-Flex Technology™ (XRAY patent) allows for quick & easy chassis stiffness adjustment
- Adjustable roll centers front and rear
- Adjustable bulkheads for belt tension control
- Adjustable HUDY Spring Steel™ turnbuckles (steering, front & rear upper links)
- Adjustable Ackermann positions
- Multiple upper and lower shock mounting locations for front and rear
- Externally-adjustable racing shocks (4-step)
- Adjustable front anti-roll bar (rear optional)

