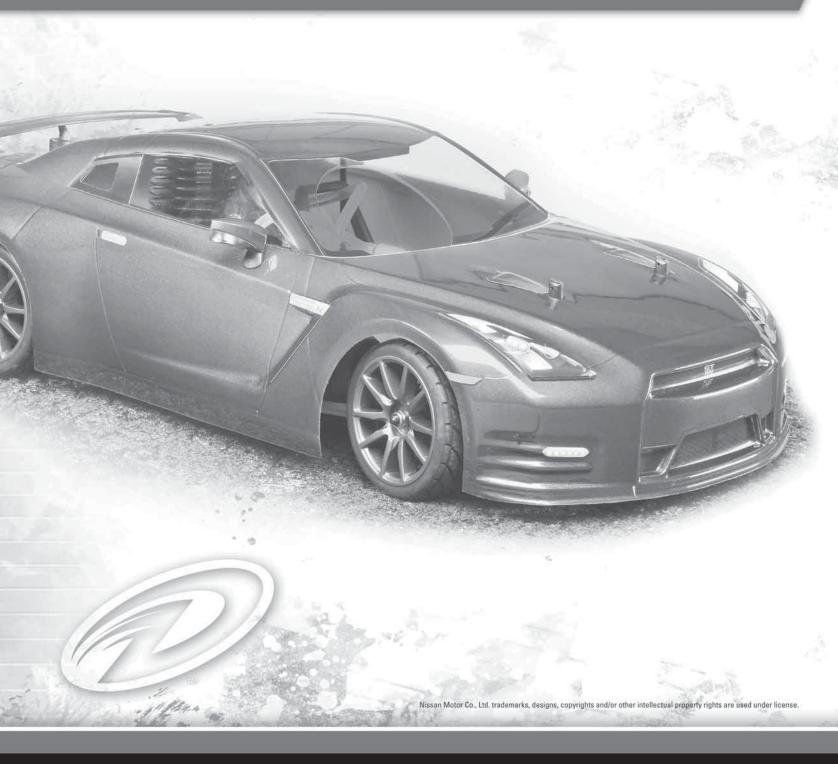
# AISSANGT-B



NISSAN

OFFICIAL LICENSED PRODUCT

Duratrax



# Accessorie

#### Pit-Tech™ Deluxe Car Stands



Handy workstation features a rotating upper plate with molded rubber insert grips. Base includes an extra-large parts tray.

DTXC2370 Blue DTXC2371 Orange DTXC2372 Purple DTXC2373 Green

#### **Track Bags**



XL Deluxe measures 27 x 14 x 12 in (685.8 x 355.6 x 304.8 mm). 1/8 Deluxe Hauler measures 24.5 x 23 x 19 in (622.3 x 584.2 x 482.6 mm), and features wheels and a handle. Both are made of strong, lightweight nylon.

DTXP2011 XL Deluxe Field Bag DTXP2012 1/8 Deluxe Hauler Bag

#### **Pit Mats**

The  $5 \times 5$  in  $(63.5 \times 63.5 \text{ mm})$  size is ideal for small parts and hardware. The 29 x 19 in (736.6 x 482.6 mm) has room for your vehicle, heli or small plane, too. Both are made of durable, solvent- and fuel-resistant rubber.

**DTXP2045** 5 x 5 in Pit Mat (63.5 x 63.5 mm) DTXP2050 29 x 19 Pit Mat (736.6 x 482.6 mm)





FCC REQUIREMENT This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions.



- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Included radio system not fully compliant with French regulations.

#### CE COMPLIANCE INFORMATION FOR THE EUROPEAN UNION

Instructions for Disposal of Waste Equipment by Private Users in the European Union: This symbol on the product or its packaging indicates this product must not be disposed of with other household waste. Instead, it is the user's responsibility to dispose of their waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or location where you purchased the product.

#### **Declaration of Conformity:**

Product: Duratrax T240F 2.4GHz 2-Channel Tx and R240 3-Channel Rx

Item number: T240F, Equipment class: 2

The objects of the declaration described here are in conformiity with the requirements of the specifications listed below, following the provisions of the European 2006/95/EC Low Voltage Directive:

IEC 60950-1:2005(2nd Edition) + Am1:2009/EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011

The objects of the declaration described here are in conformity with the requirements of the specifications listed below, following the provisions of the European R&TTE directive 1995/5/EC:

Radio: ETSI EN 300 328 V1.7.1 (2006-10)

EMC: ETSI EN 301 489-1 V1.8.1 (2008-04, Clause 9.2 and 9.3)

ETSI EN 301 489-17 V2.1.1 (2009-05)

countries recognize the noted certifications to this product as authorized for sale and use.

The associated regulatory agencies of the following

UK	DE	DK	BG	SE	FI	GR
EE	LV	LT	PL	CZ	SK	HU
R0	SI	AT	IT	ES	PT	IE
NL	LU	MT	CY			

Duratrax c/o Hobbico, Inc. 2904 Research Road Champaign, IL USA 61826



#### **TABLE OF CONTENTS**



SAFETY PRECAUTIONS AND WARRANTY ......5



TUNING GUIDE......10



GETTING READY TO DRIVE......6



ASSEMBLY GUIDE ......13



BREAK-IN PROCEDURE.....8



REPLACEMENT PARTS ......27



#### **REQUIRES**



"AA" (x8) 7.2V 6-Cell Battery Pack & Charger (DTXP4615)



Glow Starter & Charger (DTXP3000)



Air Filter Oil (DTXC2465)



Fuel Bottle DTXP0150



Fuel (0D0P4520)



#### **SAFETY PRECAUTIONS**

To prevent injury and damage to property, follow these safety precautions when operating any radio control vehicle.

- Keep all spectators a safe distance away from the vehicle.
- ALWAYS turn the transmitter on before the receiver.
- NEVER touch any part of the engine or exhaust as they can become very hot.
- ALWAYS keep model engine fuel out of the reach of children and follow precautions on the container.
- NEVER smoke and avoid ignition sources when using model engine fuel. Model engine fuel is poisonous and flammable. Keep away from open flame.
- NEVER run your model indoors. Fuel powered vehicles create harmful fumes.
- Use a mat or towel when working on your model to protect your work surface.
- Do NOT run your radio control vehicle in cold weather as plastic parts may become brittle.

#### SPECIFICATIONS & DESCRIPTION CHANGES

ALL information found in this manual is subject to change without notice. Visit Duratrax.com for the latest updates and information on your model. Duratrax maintains no responsibility for inadvertent errors in this manual.

#### LIMITED WARRANTY

Duratrax guarantees this kit to be free from defects in materials or workmanship for 90 days (3 years for the engine) after the date of purchase. Duratrax will repair or replace at no charge any incorrectly made part.

Your receipt or invoice at time of purchase is your proof of purchase and is required for Duratrax to honor any warranty. Duratrax reserves the right to change or modify this warranty without notice.

For warranty repairs, contact or send to:

Hobby Services
3002 N. Apollo Drive Suite 1
Champaign, IL 61822
ATTN: Service Department
Phone: (217) 398-0007
9:00 am — 5:00 pm Central Time M-F
E-mail: hobbyservices@hobbico.com
www.hobbyservices.com

IF the buyer is not prepared to accept the liability associated with the use of this product, buyer is advised to return kit immediately in new and unused condition to the place of purchase.

#### STRESS-TECH PARTS GUARANTEE

Stress-Tech parts are guaranteed for 12 months from the date of purchase. Check the parts list for items covered under the Stress-Tech guarantee. Should a Stress-Tech part break during the first 12 months after purchase, return the part to Hobby Services and we will send you a FREE replacement.

To receive your FREE replacement Stress-Tech part, include the following and return to Hobby Services at the address above:

- 1. Broken part
- 2. Part number and description of the broken part
- 3. COPY of your dated purchase invoice or receipt
- 4. Name, phone number and shipping address



#### REPAIR SERVICE

Hobby Services offers repair services after the limited warranty or 12 month Stress-Tech parts replacement for a minimal charge.

Follow these instructions for your repair request:

- 1. Most circumstances require the return of the ENTIRE vehicle. STRESS-TECH requires ONLY the broken part to be returned following the instructions above.
- 2. Turn off the transmitter and remove the batteries.
- 3. Empty fuel tank on nitro vehicles.
- 4. Include written instructions listing ALL items being returned with a THOROUGH description of the problem, service needed and your DAYTIME phone number. IF you expect the repair to be covered under the limited warranty, include copy of receipt or invoice with date of purchase.
- 5. Send to Hobby Services at the address above. When shipping your item(s) to us, we recommend that you insure them and use a company that offers tracking service (such as UPS or Federal Express).

We will carefully inspect your item and notify you of our findings. You will be advised of your options for return, repair, or replacement. Please note that items sent back unrepaired will carry a return shipping and service charge.

Hobby Services accepts Visa $^{\circ}$ , MasterCard $^{\circ}$ , or you can send a check. We can return the item C.O.D., but additional charges will apply.



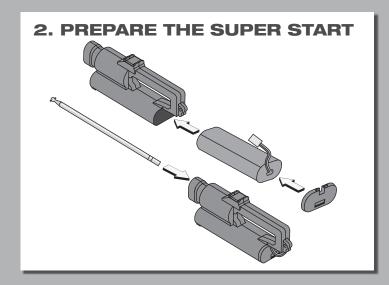


#### **GETTING READY TO DRIVE**

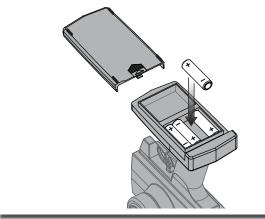
Follow these steps to get the radio, super start, and Nissan ready for use.

# 1. CHARGE THE SUPER START BATTERY\* 7.2V NiMH

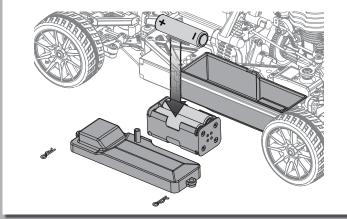
\*Charger and battery not included.



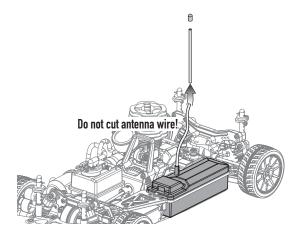
### 3. INSTALL TRANSMITTER BATTERIES



#### 4. INSTALL RECEIVER BATTERIES



#### **5. INSTALL ANTENNA TUBE**



#### 6. OIL AIR FILTER



- Apply air filter oil (DTXC2465) onto the foam element, squeezing the element until it is completely coated with the oil.
- TIP! Placing the element in a plastic bag will help keep your hands clean.
- Remove any excess oil with a paper towel.





#### 7. POWER UP TRANSMITTER

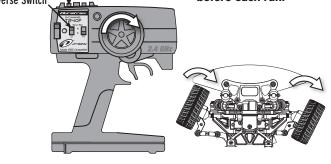


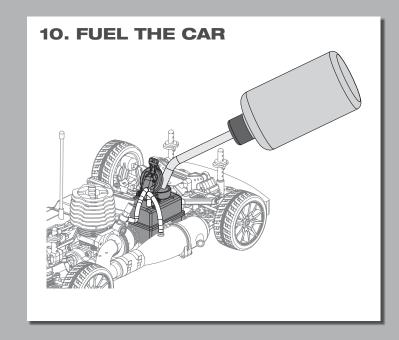
If you ever need to rebind the receiver, turn on the system and press the bind button on the receiver using the included binding tool until the L.E.D. turns solid green.

# Throttle Trim Throttle Reverse Switch Check radio operation before each run!

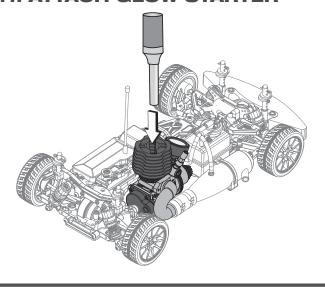
# Steering Trim Steering Servo Check radio operation Reverse Switch before each run!

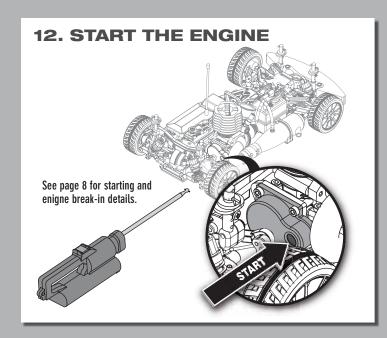
9. CHECK STEERING





#### 11. ATTACH GLOW STARTER







#### **BREAK-IN PROCEDURE**

When starting, hold the throttle slightly open. If the engine is difficult to turn over, loosen glow plug 1/2-turn before starting engine (this allows some compression to escape while allowing the engine to start). Once engine starts tighten the glow plug.

IMPORTANT! FLOODED ENGINE: If the Super Start still is having problems turning the engine over, it is flooded (too much fuel inside the engine).

- 1. Remove glow plug and turn vehicle upside down, pointing away from you.
- 2. Run Super Start for 5-6 seconds (clearing engine of fuel).
- 3. Replace glow plug.
- 4. Repeat starting engine steps.

#### Initial engine break in will be accomplished with the first 5 tanks of fuel. (Full break-in may take up to 15 tanks.)

- 1. During break-in, run with the body off to keep the engine cool.
- 2. Keep air filter on at all times.
- 3. Run on smooth, hard surface.
- 4. Make sure you have extra glow plugs. Break-in puts stress on the glow plug and it may need to be replaced.

#### TANK 1

Run very rich allowing fuel to carry as much oil as possible to lubricate internal engine parts.

- 1. High Speed Needle Valve: Check this setting before running. Close the high speed needle by rotating it clockwise until you just feel resistance, then open to 3 full turns out (counterclockwise).
- 2. Run at medium speeds, slowly accelerating and decelerating. **NOTE:** It is normal for the two speed NOT to shift during this tank.
- 3. If engine does not stay running consistently, increase idle speed by turning the idle stop screw clockwise.
- 4. DO NOT allow the tank to run out of fuel during break-in.
- 5. Stop engine by placing the engine tool into the exhaust outlet. Allow it to cool approximately 10 15 minutes.

#### TANKS 2-4

- 1. For each additional tank, lean high speed needle 1/12 turn from the previous tank's setting.
- 2. Stop engine, allowing it to cool approximately 10 15 minutes, between each tank.

#### TANK 5

- 1. Lean high speed needle an additional 1/12 turn from Tank 4 setting.
- 2. The engine should now be very close to final tune and be broken in and ready to be performance tuned.

#### TUNING TIPS (Adjust only after the engine is fully broken in.)

IMPORTANT! Always run the engine for 1-2 minutes to warm up temperature before tuning! Only use "small" adjustments (1/12 turn at a time) and test the results.

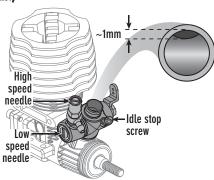
W High Speed Needle: Controls the fuel/air mixture at high throttle settings. A properly tuned engine will accelerate smoothly and exhaust a small amount of smoke. The goal is to tune the engine to make good power without overheating. Engine temperature should stay around 250° F (132° C) using a temperature gauge (Duratrax Flashpoint™, DTXP3100). Note: This temperature is a "guideline" only. Your engine may run slightly warmer or cooler depending on conditions; fuel, track, and how you drive.

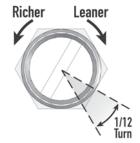
On hot days, additional cooling may be needed. Cut a 60mm hole in the rear window to allow more airflow through the body.

- Low Speed Needle: Controls fuel mixture at low throttle settings (idle). To check this setting, keep the throttle at idle and pinch the fuel line close to the carburetor. A correct setting will increase the engine speed after 2-3 seconds and then lose speed.
  - If it slows too quickly, the mixture is too lean. Open the low speed needle (counterclockwise).
  - If it takes longer than 4 seconds to slow down, the mixture is too rich. Close the low speed needle (clockwise).
- Idle Stop Screw: Adjust this screw to set the idle speed so the wheels do not rotate when you lift the vehicle off of the ground. When looking into the carburetor, the barrel should be about 1mm from fully closed.

#### **CARE AND MAINTENANCE**

- 1. Keep engine clean and free of dirt.
- 2. Do not over lean engine.
- 3. Run all of the fuel out of the engine before storing.
- 4. Use after run oil and work it into the engine by turning the flywheel before storing.
- 5. Do not use a fuel with a nitromethane content over 30%.





60mm



# **Engine Tools & Accessories**

#### **Engine Tuning Screwdriver**



Standard slot-head screwdriver has a 120 mm hardened steel shaft with 3.2 mm wide magnetized tip and rubberized, hexagonal handle.

DTXR0185

#### TrakPower™ Speed Wash Nitro Cleaner

Applies with or without water and is safe for titanium, aluminum, fiberglass, clear coat, stainless steel, chrome, rubber, plastic, vinyl and leather. 32 fl oz (946 mL). TKPC8001



#### Air Filter Oil

Treats foam air filter elements to increase filtering capacity and extend engine life. Handy 1.75 fl oz (51.7 mL) bottle fits easily into a tool box or tote. DTXC2465



#### Rapid Heat™ Glo-Starter

Twist-on for a secure connection to heat your glow plug. Twist the other way for easy removal. Includes NiCd and AC charger. DTXP3000



#### **Glow Plugs**

Hand-assembled with heat resistant coils. Carbon Speed is medium-hot for informal racing and sport use. Gold Racing Plug is for higher nitro fuels and competitive driving.



DTXG3003 Carbon Speed Plug DTXG3005 Gold Racing Plug

#### **Deluxe Car Wrenches**

Deluxe includes 6 socket head sizes and stores up to 4 glow plugs. Ultimate adds a slotted/Phillips screwdriver bit and 19 mm socket for 1/8 car wheel nuts.

DTXR1170 Deluxe Car Wrench
DTXR1175 Ultimate Car Wrench

#### **Kwik-Pit™ Fuel Bottles**

A squeeze on the clear plastic body lets you control fuel flow. The 5 in (63.5 mm) long aluminum spout features a curved tip for no-spill refills and a tip cap to prevent leaks. For glow fuel only.

**DTXP0125** 250 cc (8.5 fl oz) Fuel Bottle **DTXP0150** 500 cc (17.0 fl oz) Fuel Bottle

#### O'Donnell Racing Fuel®

Speed Blend improves fuel economy and pushes engine performance to the absolute peak. Race Blend simplifies tuning and reduces engine heat and internal wear.

ODOP3320 20% Racing Fuel Quart ODOP3325 25% Racing Fuel Quart ODOP3330 30% Racing Fuel Quart ODOP4520 20% Speed Blend Quart ODOP4525 25% Speed Blend Quart ODOP4530 30% Speed Blend Quart



#### FlashPoint™ Infrared Temperature Gauge

Just point and press for fast, accurate, no-touch temperature readings of engines, motors, batteries and more. Works in seconds and turns off automatically after 15 seconds of inactivity. DTXP3100





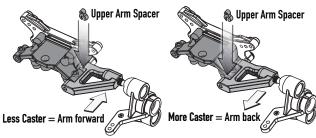


#### TUNING GUIDE

As a starting point, make sure your car has equal lengths on shocks, camber links and steering rods on both sides (left and right). Front and rear do not need to be equal.

#### **CASTER**

Angle of the front knuckles in relation to the ground when viewed from the side.



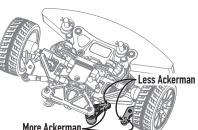
- Decreases on power steering when entering a corner.
- Turns feel smoother.
- Increased off power steering when entering a corner.
- Straight line stability.
- Vehicle more responsive.

#### **ACKERMAN**

The difference in turning angle between the inside wheel and outside wheel in a turn.

More Ackerman = Inside wheel turns increasing more than the outside wheel. Move steering rod back on the knuckle or forward on bellcranks.

More aggressive steering, vehicle turns more abruptly.

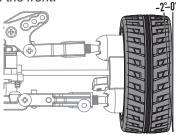


**Less Ackerman** = Inside wheel turns more equal to the outside wheel. Move steering rod forward on the knuckle or back on the bellcranks.

Less aggressive steering, smoother cornering.

#### **CAMBER**

Angle of the tire and wheel in relation to the ground when viewed from the front.



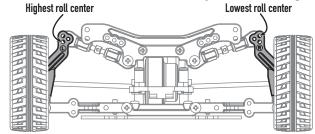
**Negative Camber** = Tire and wheel lean inward (Typically  $0^{\circ}$  to  $-2^{\circ}$ )

- Improved traction while corning.
- Adds overall stability.

**Positive Camber** = Tire and wheel lean outward (This is NOT recommended)

#### **ROLL CENTER**

Point at which the vehicle rolls laterally when cornering.



Raising Roll Center: Raise rear camber rod mounting location on the hub.

Increases rear on power traction and decreases rear traction during braking.

Lowering Roll Center: Lower rear camber rod mounting location on the hub.

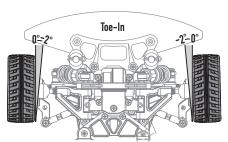
Decreases rear traction on power, reduces corner entry steering and increases corner exit steering.

#### FRONT TOE-IN AND TOE-OUT

Direction the wheels point in relationship with each other, when viewed from above.

Toe-in: Fronts of the wheels point toward each other. (Typically 0 to -2°)

 Increased stability when accelerating. Decreased steering when entering a corner.



Toe-Out: Fronts of the wheels point away from each other.

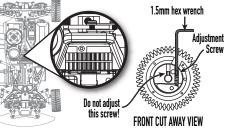
 Decreased stability when accelerating and increased steering when entering a corner.

#### 2-SPEED SHIFT POINT

Proper shift point helps keeps the engine within its optimum RPM range.

THE ENGINE MUST BE COMPLETELY BROKEN IN AND UP TO OPERATING TEMPERATURE BEFORE MAKING SHIFT POINT CHANGES.

IF YOU NEED TO MAKE A CHANGE, STOP THE ENGINE!



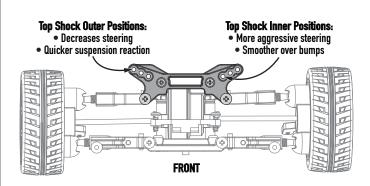
Shifts too soon (Vehicle will lose acceleration): Turn the screw in, making the vehicle shift later and engine rev higher before shifting.

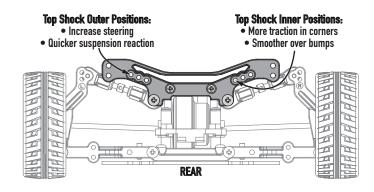
Shifts too late (Vehicle will not hit top speed): Turn the screw out, making the vehicle shift sooner and engine rev less before shifting.





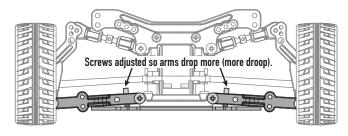
#### SHOCK ADJUSTMENTS

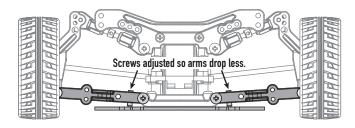




#### **DROOP**

Distance the chassis can lift from ride height before the wheels come off the ground.





More Front Droop: Increases chassis up travel when on throttle and decreases high speed steering, making vehicle turn smoother. Good for low traction and bumpy surfaces.

Less Front Droop: Decreases chassis up travel when off throttle and under braking, making steering more aggressive. Good for high speed smooth surfaces.

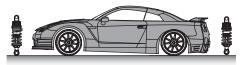
More Rear Droop: Increases chassis up travel when off throttle and under braking. Increases steering in low speed corners and under braking.

Less Rear Droop: Decreases steering in low speed corners, making the vehicle turn smoother.

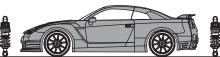
#### **RIDE HEIGHT**

Distance the chassis sits from the ground and how much weight is transferred when the vehicle changes speed and direction.

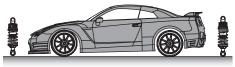
More spacers on the front shock.



Same number of spacers front and rear.



More spacers on the rear shock.



Lower Rear: More rear traction but reduces steering.

**Lower Front:** Increases steering but can cause rear end to break loose.

#### CHASSIS MAINTENANCE TIPS

Check before every run:

- 1. All hardware to be sure everything is tight.
- 2. Transmitter batteries.
- 3. Moving parts are free from binding.
- 4. Parts are not broken or damaged.

- 5. Wires are properly connected.
- 6. Remove dirt or debris from chassis and moving parts.
- 7. Bearings should roll smoothly.
- 8. Shocks should operate smoothly. Check for leakage and refill as needed.
- 9. Gear mesh between the spur and pinion gears.



## Tools

#### **Engine Tuning Tool**



Two tools for the price of one – a steel shank screwdriver with a knurled, anodized aluminum handle and a piston locking tool! Includes storage space for one spare glow plug.

DTXR0187

#### **Ultimate Flywheel Wrench**



Slotted to fit 2-, 3- or 4-pin flywheels, this aluminum wrench safely holds the flywheel while you tighten or loosen clutch nuts — without stressing internal engine components. DTXR1105

#### **12-Tip Multi-Driver**



The aluminum handles holds six shanks with 12 adjustable-length tips, suited for many different driving needs. Rotate the end cap to select the tip you need. Tips included: 1.5 mm and 2 mm slotted; 0 and 00 Phillips; and 1.5 mm, 2.0 mm, 2.5 mm, 3.0 mm, .050", 1/16", 5/64", and 3/32". DTXR1165

#### **Ultimate Tool Sets**



Tools in these convenient sets have knurled, blue-anodized aluminum handles; hardened steel shafts; precision-ground tips; and tip sizes engraved onto the handles.

DTXR0179 3-Piece Ultimate Slotted Screwdriver Set (2, 3 and 4 mm) DTXR0183 3-Piece Ultimate Phillips Screwdriver Set (2, 3 and 4 mm)

DTXR0163 5-Piece Ottimate Phillips Screwdriver Set (2, 3 and 4 mm DTXR0292 4-Piece Ultimate Hex Driver Set (1.5, 2, 2.5 and 3 mm)

DTXR0297 4-Piece Ultimate Ball Driver Set (1.5, 2, 2.5 and 3 mm)

DTXR0392 4-Piece Ultimate Hex Driver Set (.050, 1/16, 5/64 and 3/32 in)

#### **Crankshaft Locking Tool**

This handy tool threads into your engine's glow plug socket, locking the piston and crankshaft to prevent them from turning while you perform maintenance. DTXR1100



#### **Ultimate Body Reamer**



The extra-sharp point starts holes precisely where you want them, while the knurled aluminum handle provides a secure grip. A snap-on cap protects the tip when not in use. DTXR1157

#### **6" Long Nose Pliers**

Forged from chrome alloy steel, these pliers feature rubberized handles and serrated jaws for easy wire bending, cutting and stripping.

DTXR0300

#### **Tool Set and Pouch**



Set includes 4 each of metric and SAE hex drivers, 3 each of slotted and Phillips screwdrivers, plus an Ultimate Body Reamer — all organized in a zippered, 15-pocket tool pouch (pouch also available separately).

**DTXR0400** 15-Piece Ultimate Tool Set w/Pouch **DTXR0401** 15-Pocket Ultimate Tool Pouch Only



# ASSEMBLY GUIDE

**MAINTENANCE AND REPAIRS** 

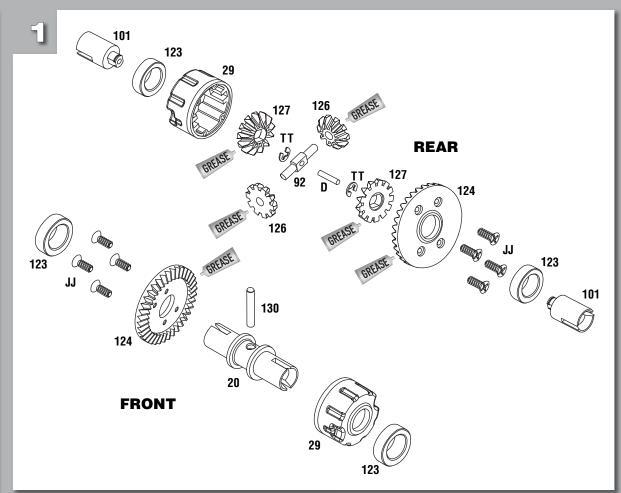


D (x1) 2x10mm

*www.* JJ (x8) 2x8mm

TT (x2) 2.5mm







P (x2) 3x8mm

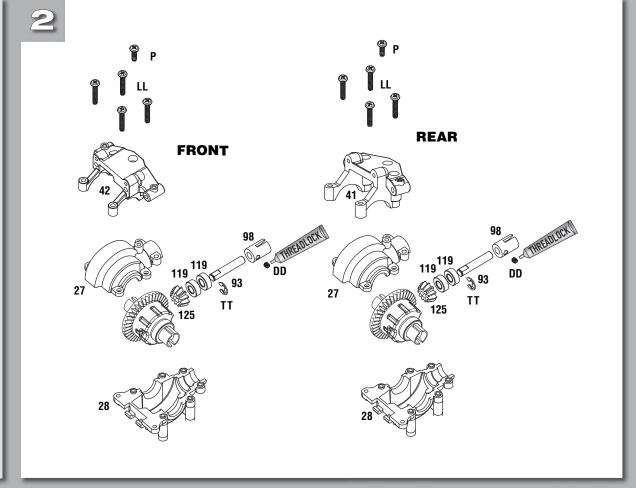


DD (x2) 4x3mm

LL (x8) 3x18mm

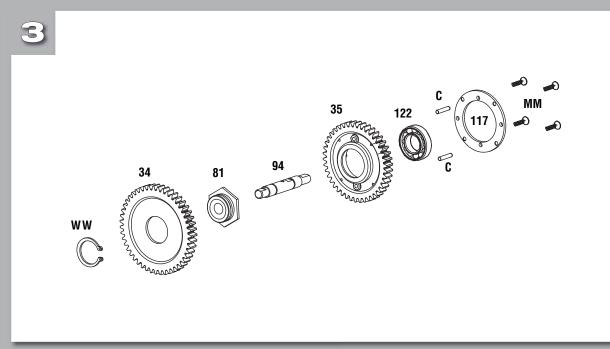
TT (x2) 2.5mm

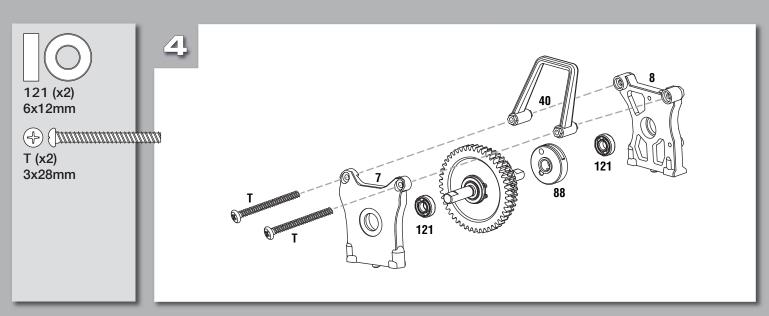
119 (x4) 5x11mm

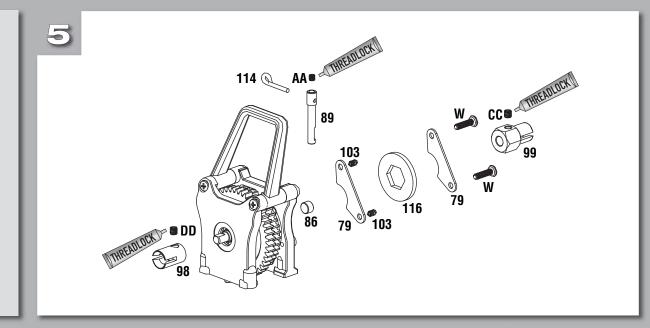












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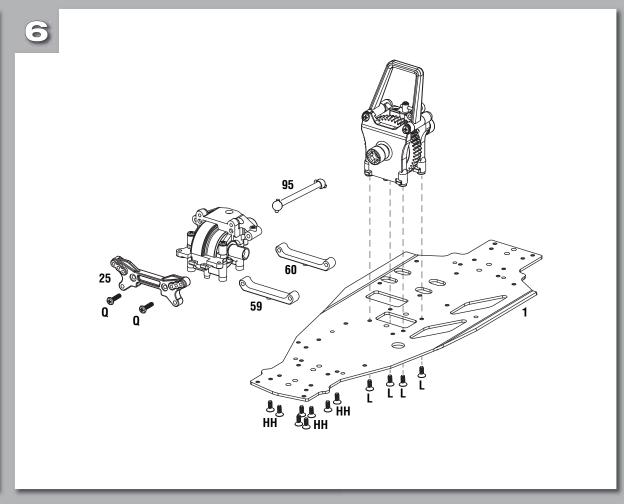
W (x2)



L (x4) 3x12mm

Q (x2) 3x10mm

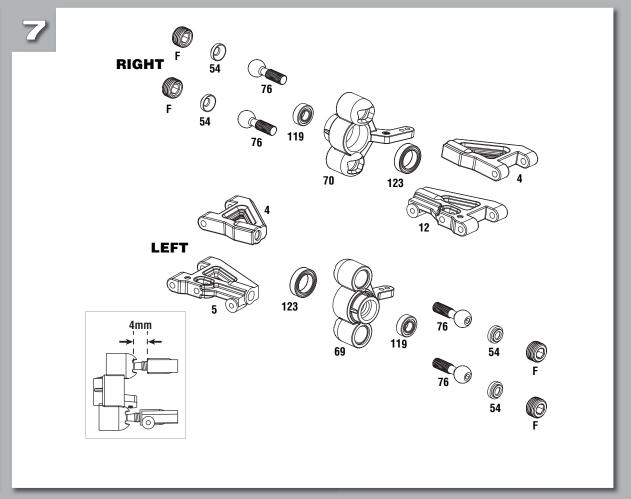
HH (x8) 3x10mm



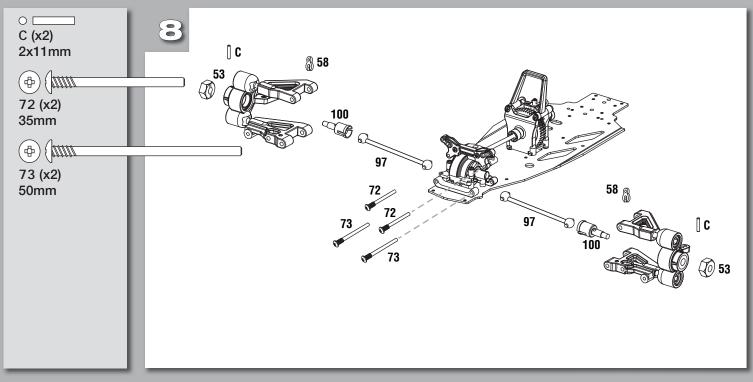


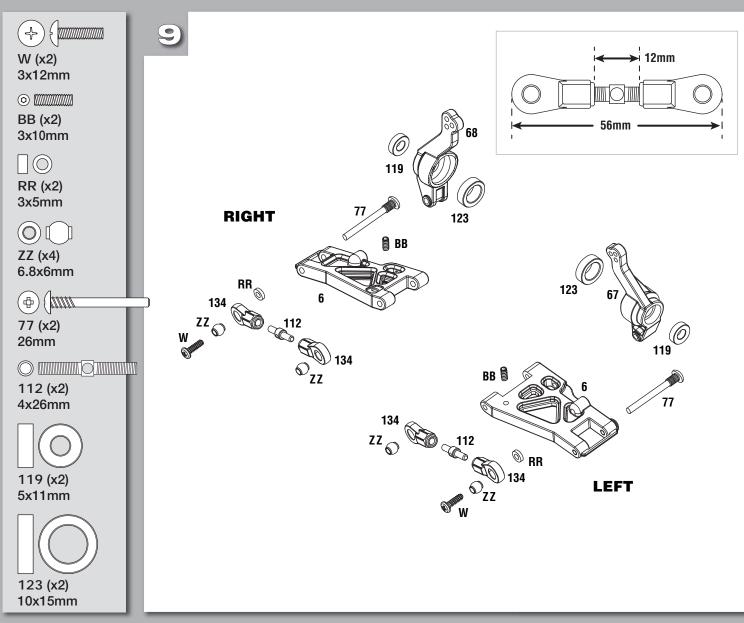


123 (x2) 10x15mm





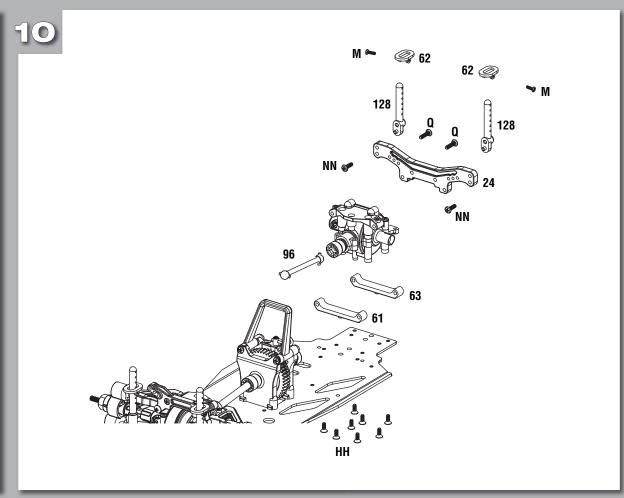


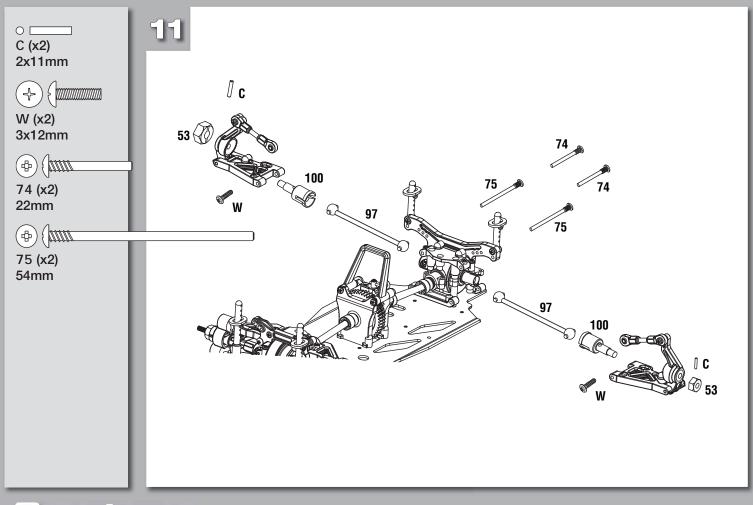




HH (x8) 3x10mm

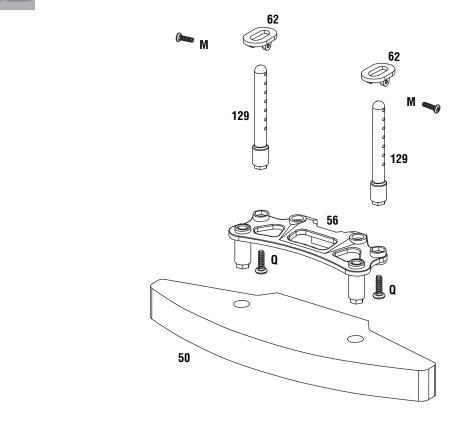
3x12mm







12

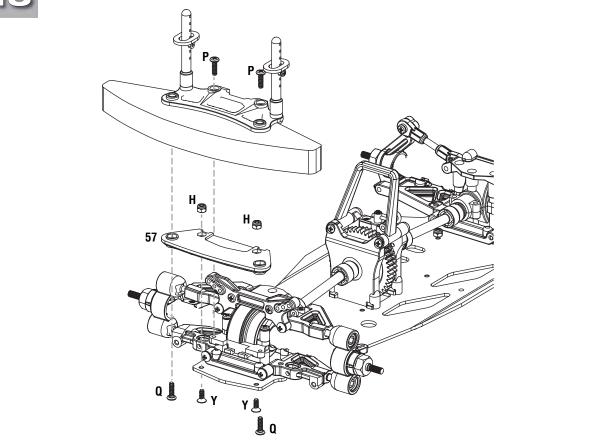


H (x2) 3mm

P (x2) 3x8mm

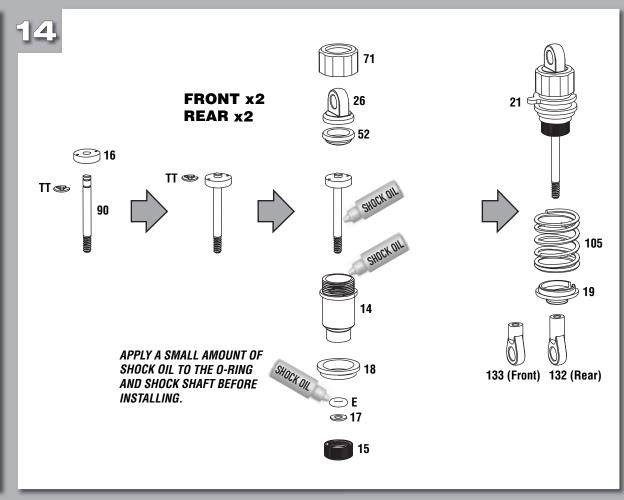
(\*) () (MININI)
Q (x2)
3x10mm

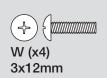
Y (x2) 3x10mm 13





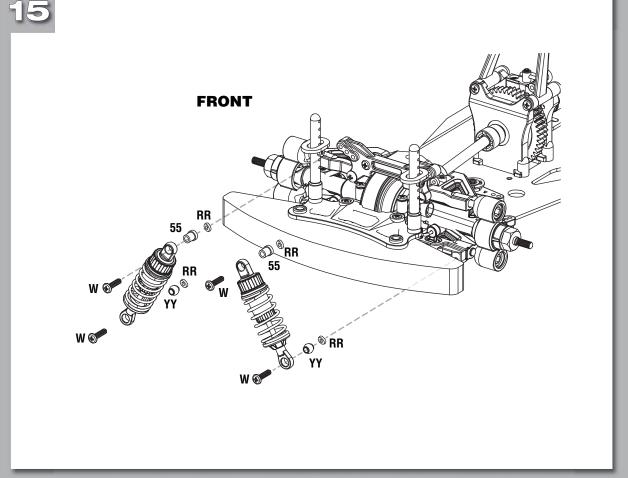






RR (x4) 3x5mm

YY (x2) 5.8x5.5mm



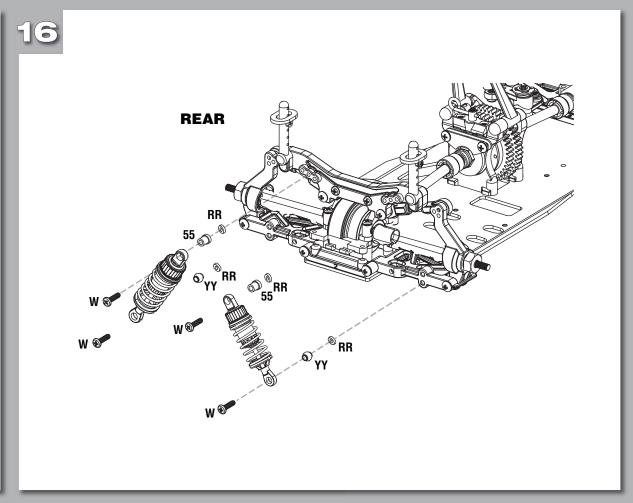




W (x4) 3x12mm

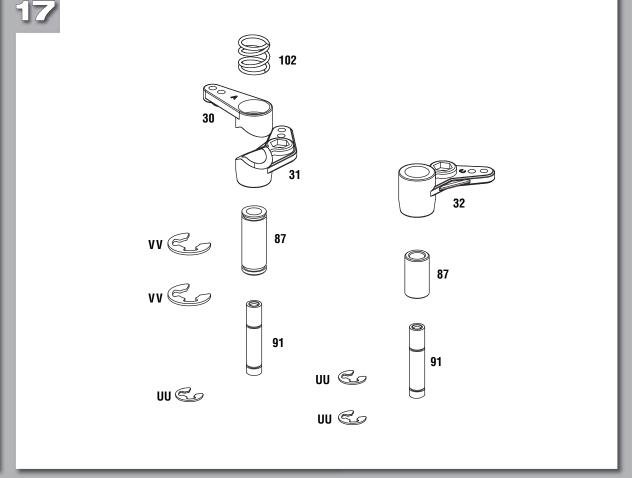
RR (x4) 3x5mm

YY (x2) 5.8x5.5mm









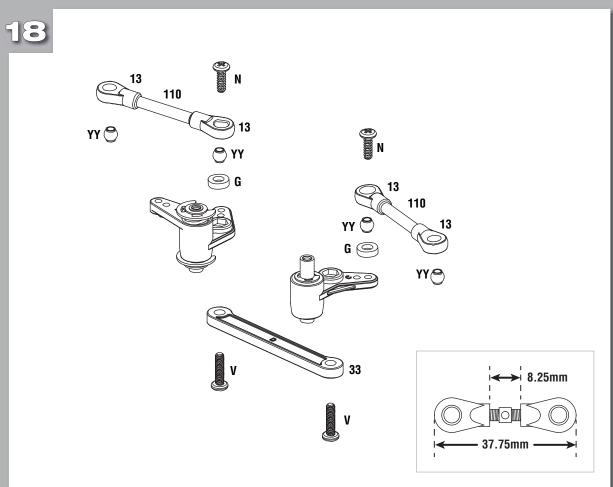


G (x2) 3x5mm

V (x2) 3X10mm

YY (x4) 5.8X5.5mm

110 (x2) 3x16mm



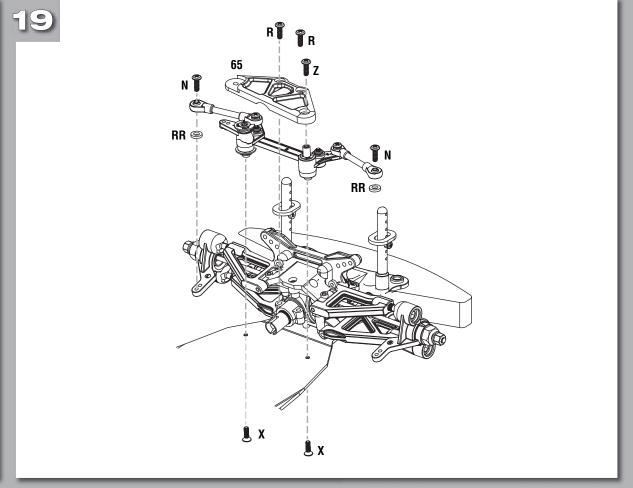
N (x2) 3x12mm

R (x2) 3x15mm

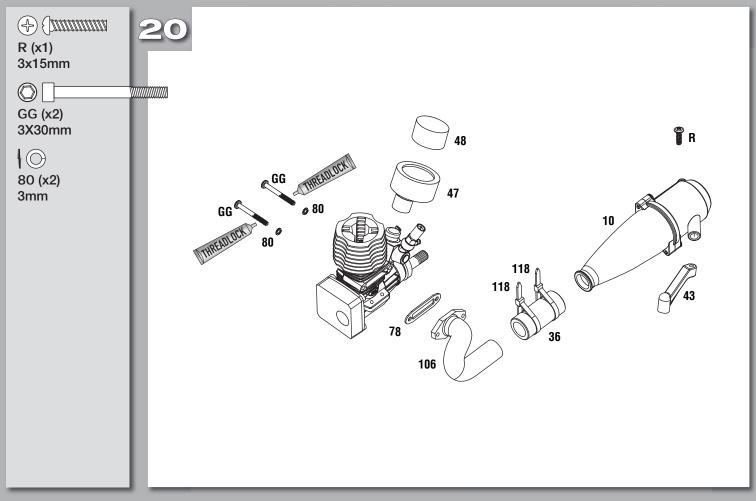
X (x2) 3x8mm

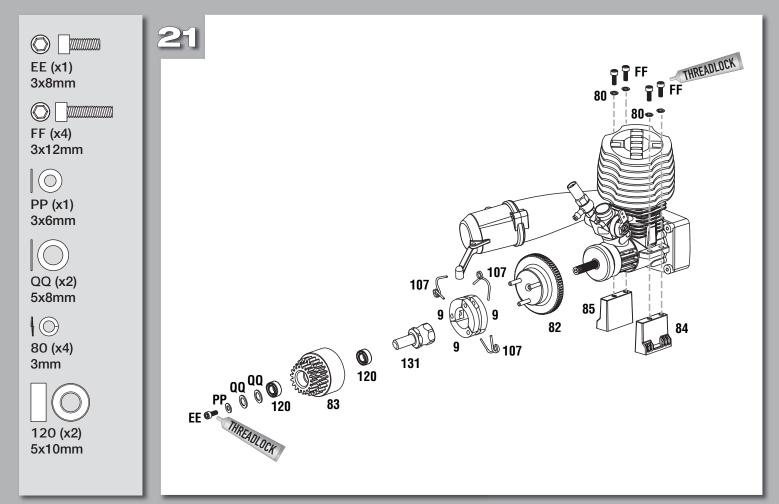
Z (x1) 3x10mm

RR (x2) 3X5mm













H (x4) 3mm



K (x4) 4x10mm

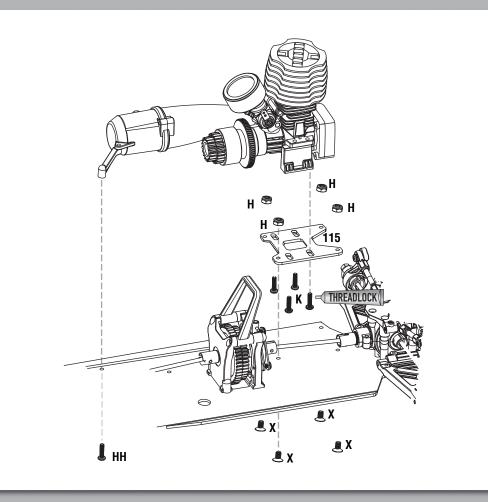


X (x4) 3x8mm



HH (x1) 3x10mm







Q (x3) 3x10mm



U (x9) 3x8mm

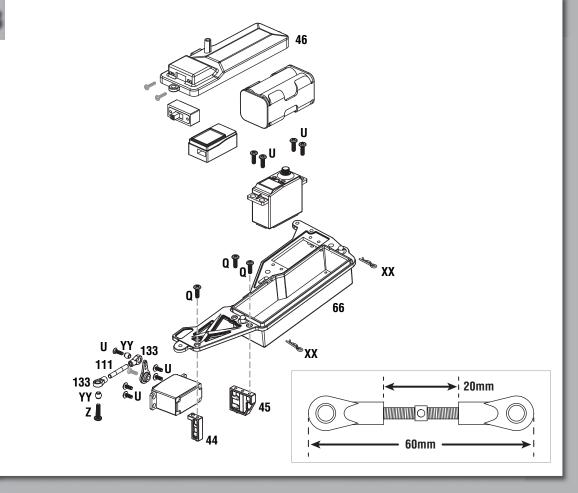


Z (x1) 3x10mm

YY (x2) 5.8x5.5mm

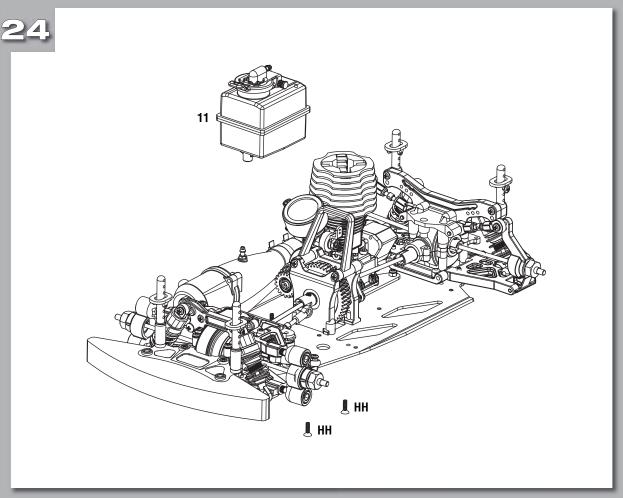
111 (x1) 3x28mm







HH (x2) 3x10mm





R (x2) 3x15mm



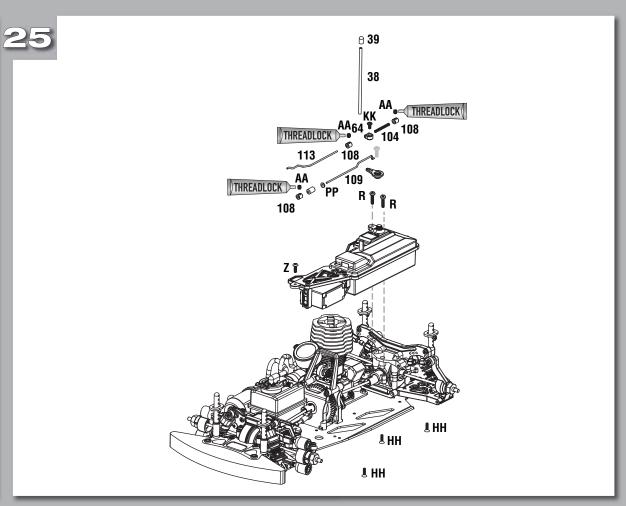
Z (x1) 3x10mm

AA (x3)3x3mm

HH (x3) 3x10mm

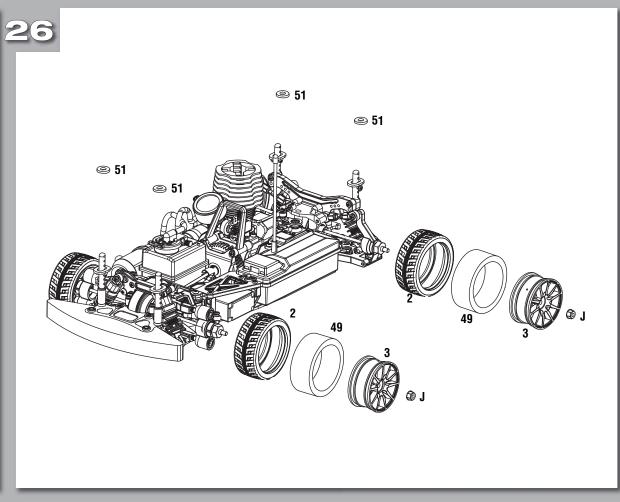
KK (x1) 2x8mm

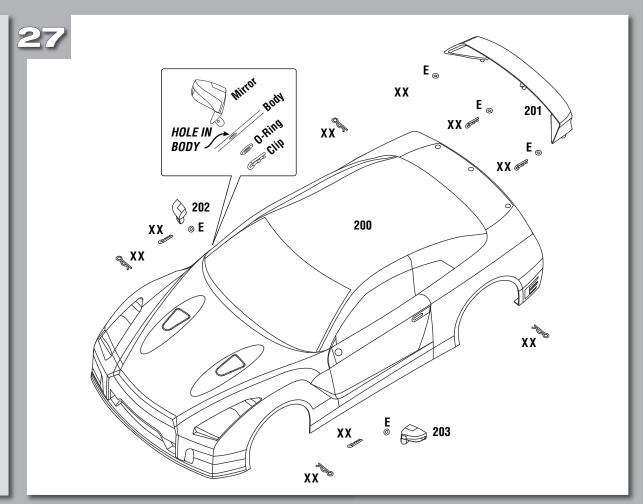
PP (x1) 3x6mm











# REPLACEMENT PARTS

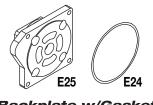
PARTS LISTS, PARTS SETS, AND EXPLODED VIEWS



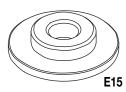








Backplate w/Gasket SUPG2051



**Head Button** 

**SUPG2180** 





**SUPG2440** 











**SUPG3387** 



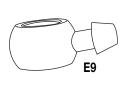


E35
Rotor Boot Cover

**SUPG4220** 



**SUPG4430** 



Fuel Nipple SUPG4476 SUPG4710







Low Speed Needle SUPG4900





High Speed Needle Valve O-Ring SUPG5021



Starting Shaft O-Ring SUPG5060





Carburetor O-Ring SUPG5061



Piston Pin SUPG5095



Piston Pin Retainers SUPG5099



Starting Pressure Spring
SUPG5420



Front Bearing SUPG5464



Rear Bearing SUPG5466



Backplate Screws SUPG5650







Starting Shaft SUPG5870



Starting Pin SUPG5880



Throttle Arm SUPG6050



Throttle Arm Nut SUPG6058



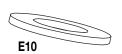
**Brass Collet SUPG6076** 



Carburetor Body SUPG6202



Lower Needle Valve Washer SUPG6350



Upper Needle Valve Washer SUPG6351



Head Shims SUPG6353



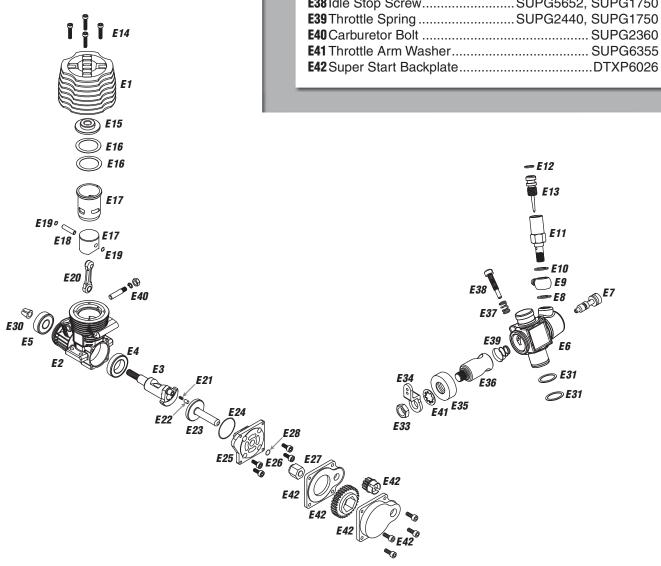
Throttle Arm Washer SUPG6355

#### **ENGINE PARTS**

This parts list shows the key number, part description, and stock number for the replacement parts sets. When more than one stock number is listed, that part is available in multiple replacement parts sets. For contents found in each replacement parts set, refer to the illustrated parts guide.

E1 Cooling Head	SUPG2451
	SUPG2615
E3 Crankshaft w/10mm	Threaded ShaftSUPG3111
E4 Ball Bearing (Rear).	SUPG5466
E5 Ball Bearing (Front).	SUPG5464
E6 Carburetor Body	SUPG6202, SUPG1750
E7 Low Speed Needle.	SUPG4900, SUPG1750
<b>E8</b> Lower Needle Valve	WasherSUPG6350, SUPG4881,
	SUPG1750
E9 Fuel Nipple	SUPG4476, SUPG4881,
	SUPG1750
<b>E10</b> Upper Needle Valve	WasherSUPG6351, SUPG1750
<b>E11</b> High Speed Needle	Valve Hub SUPG4881, SUPG1750
<b>E12</b> High Speed Needle	Valve O-RingSUPG5021,
	SUPG4881, SUPG1750

E13 High Speed Needle	SUPG4840,	
		SUPG1750
E14 Cooling Head Screws		
E15 Head Button		
E16 Head Shim		
E17 Cylinder Sleeve/Piston	SUPG3387,	SUPG3388
E18 Piston Pin	SUPG5095,	SUPG3388
E19 Piston Pin Retainers	SUPG5099,	SUPG3388
E20 Connecting Rod	SUPG2520,	SUPG3388
E21 Starting Pressure Spring		SUPG5420
E22 Starting Pin		
E23 Starting Shaft		
E24 Backplate Gasket		
E25 Backplate w/Gasket		
E26 Backplate Screws		
<b>E27</b> One-Way Bearing		
E28 Starting Shaft O-Ring		
E30 Brass Collet		
E31 Carburetor O-Ring		.SUPG5061
E33 Throttle Arm Nut	SUPG6058,	SUPG1750
E34 Throttle Arm	SUPG6050,	SUPG1750
E35 Rotor Boot Cover	SUPG4220,	SUPG1750
E36 Carburetor Rotor	SUPG4202,	SUPG1750
E37 Idle Screw Spring		
E38 Idle Stop Screw		
E39 Throttle Spring		
<b>E40</b> Carburetor Bolt		
E41 Throttle Arm Washer		SUPG6355
E/12 Super Start Backplate		DTYPEO26



# Tools & Accessor

#### **Body Scissors & Reamer**

Stainless steel blades of body scissors cut through plastics without tearing. The reamer has a sharp tip with fluted blades to remove debris as you cut.

DTXR1150 Curved Tip Body Scissors DTXR1151 Straight Tip Body Scissors

DTXR1158 Body Reamer

DTXR1160 Straight Tip Body Scissors & Reamer (2-Piece Set)

DTXR1161 Straight/Curved Tip Body Scissors & Reamer (3-Piece Set)



#### **Pit Tech™ Camber Gauge**

Made of durable black plastic, this gauge easily and accurately measures camber settings in 1° increments from 10° positive to 10° negative. DTXR1146



#### Specially formulated to form

Pit Tech Tire Glue

a lasting bond between your wheels and rubber tires, Tire Glue comes in two 0.5 oz (14.8 mL) formulas: quicker-drying Thin and slower-curing Medium.

DTXR2000 Thin DTXR2002 Medium



#### **Body Repair Tape**

Use this flexible, open-weave nylon mesh tape together with Shoe Goo to repair Lexan®, ABS plastic and wood. Rolls measure  $2'' \times 6'$  (50.8 mm x 1.8 m). DTXR1210



#### Pit Tech Threadlocker

This medium-strength threadlocking compound prevents metal fasteners from loosening under vibration. Each bottle contains 0.2 oz (5.9 mL). Not recommended for plastics. DTXR2010



#### **Servo Tape**

Double-sided adhesive tape measures 1 in (25.4 mm) in width perfect for standard servos, as well as many other sizes and applications. Contains 36 in (914.4 mm) per roll. **DTXR1215** 



#### Shoe Goo® II

Clear, nonflammable Shoe Goo compound is strong, yet flexible when drv. It's ideal for body repairs, mounting servos, building battery packs and more. DTXC2460



#### **Metric Hardware Sets**

These sets include the metric sizes and quantities that modelers use most, organized in a compact, 10-compartment plastic case.

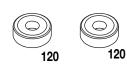
DTXQ0100 Phillips Head Screw Set (200 pc.) DTXQ0125 Socket Head Screw Set (124 pc.)

DTXQ0150 Flat Head Screw Set (188 pc.)

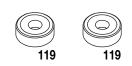




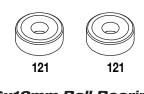




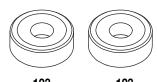
5x10mm Ball Bearing DTXC1535



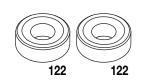
5x11mm Ball Bearing DTXC1547



6x12mm Ball Bearing DTXC1569



123 123 10x15mm Ball Bearing DTXC1595

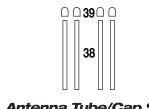


10x19mm Ball Bearing
DTXC1705



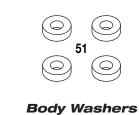
48

Air Filter Set DTXC6113



Antenna Tube/Cap Set DTXC6249









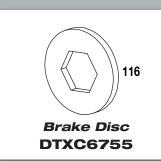
**DTXC6590** 





**DTXC6471** 

Brake Cam Set
DTXC6754

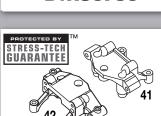




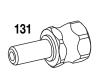








Bulkhead Set
DTXC6819



Pilot Shaft
DTXC6881

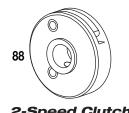


Gear Box Set
DTXC6882

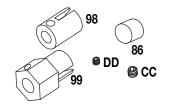


Spur Gear Hub w/One-Way Bearing DTXC6883

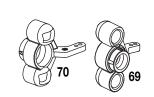




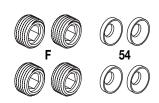
2-Speed Clutch **DTXC6884** 



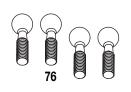
**Center Drive Joint Set DTXC6885** 



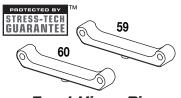
Knuckle Arm Set **DTXC6886** 



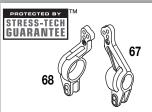
Pillow Ball Retainer Set **DTXC6887** 



Pillow Ball Set **DTXC6888** 



Front Hinge Pin **Mount Set DTXC6889** 



Rear Hub Set **DTXC6890** 



Rear Hinge Pin **Mount Set DTXC6891** 

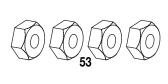




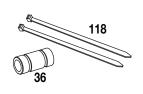




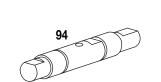




Hex Drive Washer **DTXC6897** 

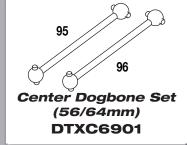


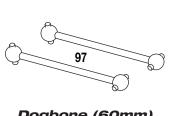
**Exhaust Coupler DTXC6898** 



**Center Shaft DTXC6899** 







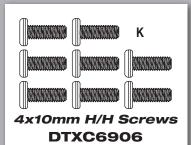


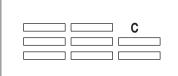
Dogbone (60mm) **DTXC6902** 

**DTXC6903** 



2x8mm F/H S/T Screws **DTXC6905** 



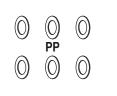


2x11mm Pin **DTXC6907** 

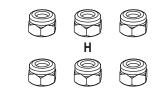


2x10mm Pin **DTXC6908** 

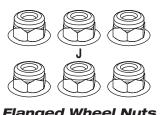




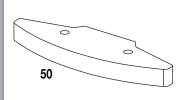
3x6x0.3mm Shim **DTXC6909** 



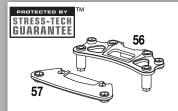
3mm Lock Nut **DTXC6911** 



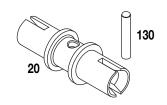
Flanged Wheel Nuts **DTXC6912** 



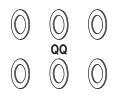
Foam Bumper **DTXC6913** 



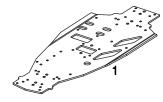
**Bumper Mount Set DTXC6914** 



**Differential Spool Set DTXC6917** 



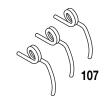
5x8x.3mm Shim **DTXC6918** 



Main Chassis **DTXC7032** 



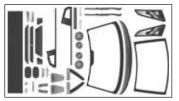
Clutch Bell (17T/22T) **DTXC7149** 



**Clutch Springs DTXC7161** 



Clutch Shoes **DTXC7162** 



Decal Sheet **DTXC7299** 









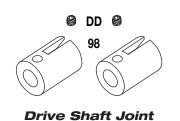
Ring Gear (34T) **DTXC7398** 





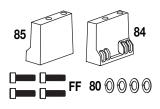
Spur Gear Set (41T, 47T)**DTXC7496** 





**DTXC7498** 







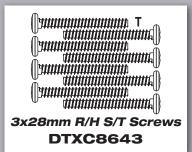


Fuel Tank **DTXC7820** 



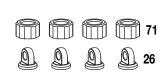
Radio Tray/Servo Mount Set **DTXC8410** 











Shock Cap Set DTXC9069



**DTXC9074** 











**DTXC9079** 





















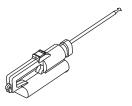








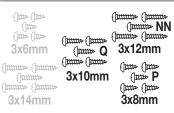




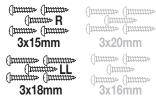
Super Start **DTXP6023** 



2mm R/H S/T Screw Set **DTXQ0201** 



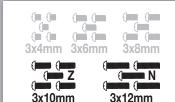
3mm R/H S/T Screw Set **DTXQ0207** 



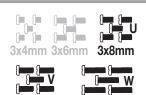
3mm R/H S/T Screw Set **DTXQ0209** 



3mm F/H S/T Screw Set **DTXQ0233** 

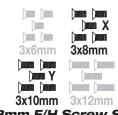


3mm R/H Screw Set **DTXQ0255** 

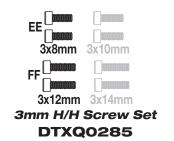


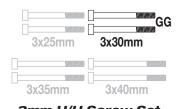
3x10mm 3x12mm 3mm P/H Screw Set **DTXQ**0263

AA 000 000 000

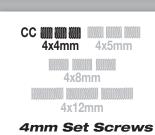


3mm F/H Screw Set **DTXQ0273** 









**DTXQ0305** 



2.5mm E-Clip **DTXQ0523** 



4mm E-Clip **DTXQ0525** 



7mm E-Clip **DTXQ0528** 

# Accessori

#### **Glow Starters**

The all-aluminum Ultra Slim is powered by a 1.2V, 1800mAh NiMH cell; Ultimates with high-impact polystyrene battery case use a larger NiCd. All include battery and charger — and offer the security of a Twist-and-Lock tip.

DTXP0320 Ultra Slim "AA" Glow Starter DTXP0310 Ultimate "C" Glow Starter DTXP0315 Ultimate "D" Glow Starter



#### **Micro Fail-Safe**

DTXM4000

Prevents runaways due to signal loss or low receiver battery voltage, by reducing the throttle to a setting you select. Works with 4- and 5-cell NiCd and NiMH packs. Universal connector included.



1/10 & 1/8 Universal **Starter Box** 



Twin 550 motors and a durable belt drive offer reliable starting power for 1/8 and 1/10 on- and off-road engines. Requires either a 12V, 7Ah field battery or two 6-cell NiCd/NiMH stick packs. DTXP5701

#### Futaba® 3PL 2.4GHz **Computer Radio**



Easy to program, the 3PL includes 3 proportional channels, a fourth for special mixing, and FHSS frequencyhopping technology to eliminate interference. A half-ounce R2004GF receiver is included. **FUTK1300** 

#### **NIMH Receiver Battery & Charger**



Use the 4.23 oz. DTX 1400 NiMH to power your receiver — recharge the pack from AC or DC input with the economical Onyx™ 100 charger. It features peak detection for NiCd and NiMH packs. DTXM2031 6.0V 1400mAh Hump NiMH Receiver Battery DTXP4190 Onyx 100 AC/DC Peak Charger

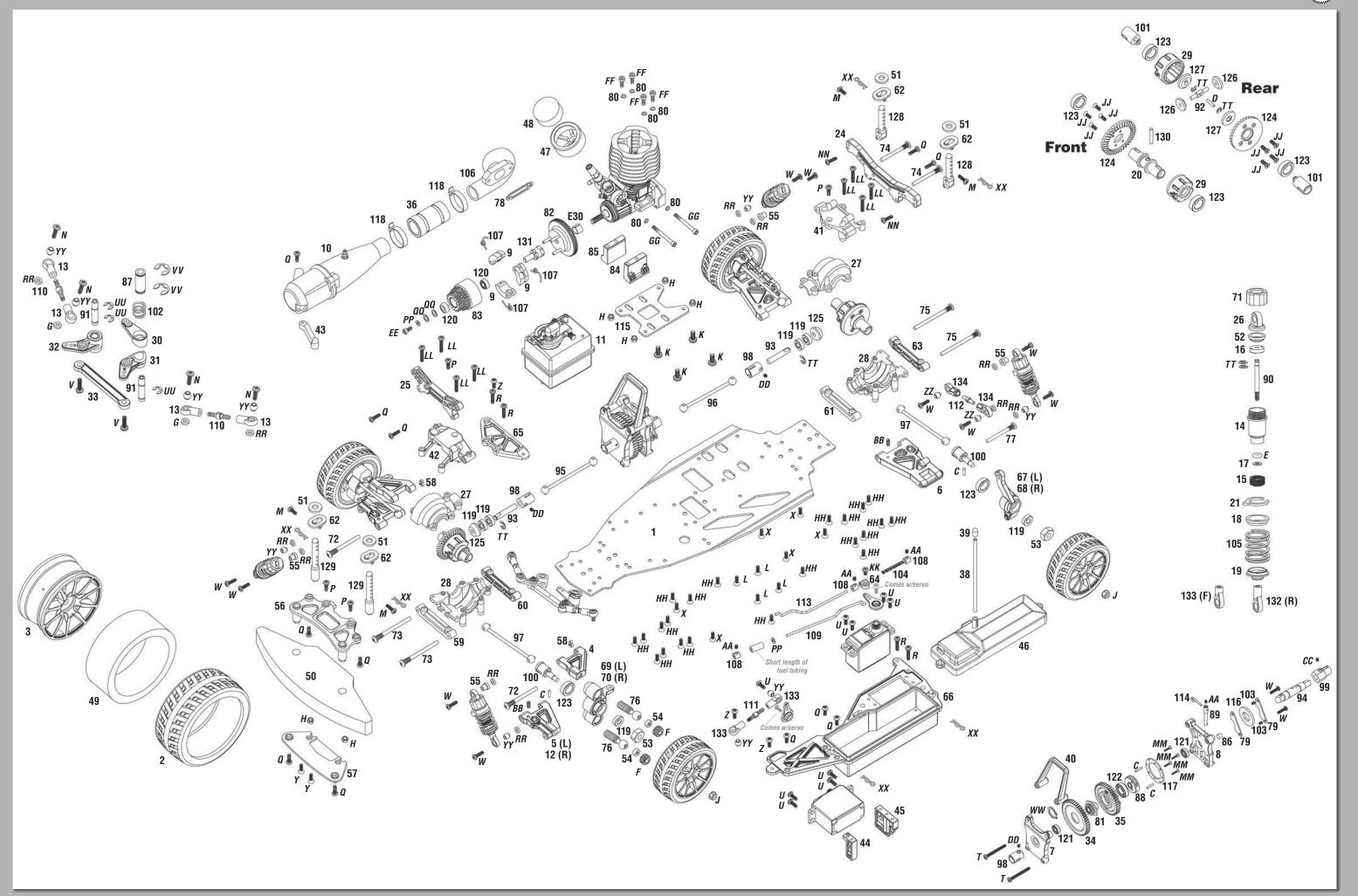
This parts list shows the key number, part description, and stock number for the replacement parts sets. When more than one stock number is listed, that part is available in multiple replacement parts sets. For contents found in each replacement parts set, refer to the illustrated parts guide.

#	Item Description Available	
1	Main Chassis	
2	Radial Tire	
3	Wheel	
4	Front Upper Suspension Arm (Left)	
5 6	Front Lower Suspension Arm (Left)	
7	Center Bulkhead (Front)	
8	Center Bulkhead (Rear)	
9	Clutch Shoes	
10	Tuned Pipe	
11	Fuel Tank	
12	Front Lower Suspension Arm (Right)	
13	Tie Rod Ball End	
14	Shock Body 23mmDTXC9078,	
	•	DTXC9077
15	Shock Seal RetainerDTXC9078,	DTXC9075,
		DTXC9077
16	Shock PistonDTXC9078,	
		DTXC9077
17	Shock ShimDTXC9078,	
		DTXC9077
18	Upper Shock Spring RetainerDTXC9078,	
40	La carolinate Octava Batalana BTV00070	DTXC9077
19	Lower Shock Spring RetainerDTXC9078,	
20	Differential Spool	DTXC9077
20 21	Shock Preload Spacer (1mm)DTXC9078,	
21		DTXC9075,
24	Rear Shock Tower	
25	Front Shock Tower	
26	Shock CapDTXC9069,	
	DTXC9075,	
<b>27</b>	Gear Box (Upper)	
28	Gear Box (Lower)	
29	Differential Case	.DTXC7399
<b>30</b>	Bellcrank (Left, Upper)	
31	Bellcrank (Left, Lower)	
32	Bellcrank (Right)	
33	Steering Drag Link	.DTXC8788
34	Spur Gear (Front, 47T)	.DTXC7496
35	Spur Gear (Rear, 41T)	
36	Exhaust Coupler	
38 39	Antenna Tube (Black)	
40	Antenna Cap  Center Bulkhead Handle	DTYC6249
41	Rear Bulkhead	
42	Front Bulkhead	
43	Tuned Pipe Mount	
44	Servo Mount (Front)	
45	Servo Mount (Rear)	
46	Radio Box Cover	
47	Air Filter Housing	
48	Air Filter ElementDTXC6112,	

49	Foam Tire Insert	DTXC9679
<b>50</b>	Foam Bumper	
51	Body Washer	.DTXC6471
<b>52</b>	Shock DiaphragmDTXC9079,	DTXC9075.
<b>-</b>		DTXC9077
53	Hex Drive Washer	.DTXC6897
54	Pillow Ball Spacer	.DTXC6887
55	Shock BushingDTXC9078,	
33	SHOCK DushingDTXC9076,	
		DTXC9077
56	Bumper Mount (Upper)	.DTXC6914
57	Bumper Mount (Lower)	
58	Caster Clip	
59	Hinge Pin Mount (Front Fore)	.DTXC6889
60	Hinge Pin Mount (Front Aft)	DTXC6889
61	Hinge Pin Mount 3° (Rear Fore)	
62	Body Mount Seat	
63	Hinge Pin Mount (Rear Aft)	.DTXC6891
64	Throttle Slider	
65	Front Brace	
66	Radio Tray	.DTXC8410
67	Rear Hub (Left)	.DTXC6890
68	Rear Hub (Right)	
69	Knuckle Arm (Left)	
70	Knuckle Arm (Right)	.DTXC6886
71	Aluminum Shock Cap Retainer	
• •		DTXC9077
72	Front Upper Hinge Pin (35mm)	
73	Front Lower Hinge Pin (50mm)	.DTXC6895
74	Rear Upper Hinge Pin (22mm)	
75		
	Rear Lower Inner Hinge Pin (54mm)	
76	Pillow Ball	
77	Rear Lower Outer Hinge Pin (26mm)	.DTXC6896
78	Exhaust Header Gasket	.DTXC6900
79	Brake Plate w/Pad	
80	Spring WasherDTXC9764,	
OU	Spring washer	
		DTXC7617
81	Spur Gear Hub w/One-Way Bearing	.DTXC6883
82	Flywheel	DTXC7711
83	Clutch Bell (17T/22T)	
84	Alum Engine Mount (Left)	
85	Alum Engine Mount (Right)	.DTXC7617
86	Brake Cam Block	.DTXC6885
87	Servo Saver Bushing	DTXC8788
88	2-Speed Clutch	
89	Brake Cam	
90	Shock Shaft DTXC9141, DTXC9075,	DTXC9077
91	Servo Saver Post	.DTXC8789
92	Rear Diff Shaft	
93		
	Diff Pinion Shaft	
94	Center Shaft	
95	Center Dogbone (Front, 56mm)	.DTXC6901
96	Center Dogbone (Rear, 64mm)	
97	Dogbone (60mm)	
98	Center Drive JointDTXC6885,	
99	Hex Drive Joint	.DTXC6885
100	Wheel Shaft	.DTXC6903
	Differential Drive Joint	
	Servo Saver Spring	
	Brake Spring	
	Throttle Spring	
105	Shock Spring DTXC9076, DTXC9075, D	TXC9077ng

106 Exhaust Header	DTXC6900
<b>107</b> Clutch Spring	DTXC7161
<b>108</b> Rod Collar	DTXC6757
<b>109</b> Brake Rod	DTXC6757
<b>110</b> Turnbuckle (16mm)	
111 Steering Turnbuckle (28mm)	DTXC9568
112 Rear Camber Rod Turnbuckle (26mm)	
113 Throttle Rod	
114 Brake Lever	
115 Engine Mount Plate	
116 Brake Disc	
117 Spur Gear Plate	
118 Exhaust Tie Wrap	
<b>119</b> Bearing 5x11mm	
<b>120</b> Bearing 5x10mm	
<b>121</b> Bearing 6x12mmDTXC1569	
<b>122</b> Bearing 10x19mm	
<b>123</b> Bearing 10x15mm	
<b>124</b> Ring Gear (34T)	
125 Diff Pinion Gear (13T)	
<b>126</b> Diff Gear (Small, 10T)	
<b>127</b> Diff Gear (Large, 11T)	
128 Rear Body Mount	
129 Front Body Mount	
<b>130</b> Spool Pin	
131 Pilot Shaft	
132 Rear Shock EndDTXC9078	
<b>133</b> Ball End 15.2mmDTXC9078,	DTXC9077,
	DTXC9568
134 Camber Rod Ball End	
200 Body w/Decals (Gun Metallic)	
200 Body w/Decals (Solid Red)	DTXC6590
200 Body w/Decals (Deep Pearl Blue)	DTXC6591
200 Body w/Decals (Clear)	DTXC6592
201 Wing (Gun Metallic)	DTXC9782
<b>201</b> Wing (Solid Red)	DTXC9783
201 Wing (Deep Pearl Blue)	
202 Right Mirror (Gun Metallic)	
202 Right Mirror (Solid Red)	
202 Right Mirror (Deep Pearl Blue)	
203 Left Mirror (Gun Metallic)	
203 Left Mirror (Solid Red)	
203 Left Mirror (Deep Pearl Blue)	

НА	RDWARE	
C	2x11mm Pin	DTXC6907
D	2x10mm PinDTXC6908,	DTXC7387
E	O-RingDTXC9079,	DTXC9075,
	-	DTXC9077
F	Pillow Ball Retainer Screw	DTXC6887
G	Shim 3x0.5x2.5mm	
Н	3mm Lock Nut	
J	4mm Flanged Wheel Nut	
K	4x10mm Hex Head Screw	
L	3x12mm Flat Head Self-Tapping Screw	
M	2x10mm Round Head Self-Tapping Screw	
N	3x12mm Round Head Screw	
P	3x8mm Round Head Self-Tapping Screw	
Q	3x10mm Round Head Self-Tapping Screw	
R	3x15mm Round Head Self-Tapping Screw	
T	3x28mm Round Head Self-Tapping Screw	
U	3x8mm Pan Head Screw	DTXC6818
V	3x10mm Pan Head ScrewDTXQ0263,	
W	3x10mm Pan Head ScrewD1XQ0203,	
X	3x8mm Flat Head Screw	
Ŷ	3x10mm Flat Head Screw	
z	3x10mm Round Head Screw	
AA	3x3mm Set Screw DTXQ0301,	
		DTXC6757
BB	3x10mm Set Screw	.DTXQ0301
CC	4x4mm Set ScrewDTXQ0305,	
DD	4x3mm Set ScrewDTXQ0301,	
		DTXC7498
EE	3x8mm Hex Head Screw	
FF	3x12mm Hex Head Screw DTXQ0285,	
GG	$3x30mm\ Hex\ Head\ ScrewDTXQ0287,$	
НН	3x10mm Flat Head Self-Tapping Screw	
IJ	2x8mm Flat Head Self-Tapping Screw	
1/1/	0.0 B III IO.KT : 0	DTXC7399
	2x8mm Round Head Self-Tapping Screw	DTXQ0201
LL	3x18mm Round Head Self-Tapping Screw	
МИ	1 6v9mm Flat Hood Calf Tanning Carow	DTXC6882
NN	1.6x8mm Flat Head Self-Tapping Screw 3x12mm Round Head Self-Tapping Screw	
PP	3x6x.3mm Shim	
QQ	5x8x.3mm Shim	
RR	3x5x1.5mm ShimDTXC6892,	
	DTXC9077,	
TT	2.5mm E-Clip DTXQ0523,	
	DTXC7497, DTXC9075,	
UU	4mm E-ClipDTXQ0525,	
VV	7mm E-Clip	
WW	13mm C-Clip	.DTXC6883
XX	Body ClipDTXC6772,	DTXC8410
YY	Ball 5.8x5.5mmDTXC9568,	DTXC9649
ZZ	Ball 6.8x6mmDTXC6892,	
		DTXC9077



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