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** run your model indoors. Fuel powered vehicles create harmful fumes.
- **NEVER** smoke and avoid ignition sources when using model engine fuel. Model engine fuel is poisonous and flammable. Keep away from open flame.
- **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.

**WARNING:** This product contains a chemical known to the State of California to cause cancer.

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 service after the 90 day 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 90 day 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 un-repaired will carry a return shipping and service charge.

Hobby Services accepts Visa®, MasterCard®, or you can send a check. We can return the item C.O.D., but additional charges will apply.

Included radio system is not fully compliant with French regulations.
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.

Allow 8 hours to fully charge the battery.

Install (4) AA batteries.

Note: ALWAYS turn on your transmitter then your receiver. When finished ALWAYS turn off your receiver then your transmitter.
7 **FUEL THE CAR**

8 **START THE ENGINE**

9 **STOP THE ENGINE**

10 **FAILSAFE**

11 **RE-BIND THE TRANSMITTER TO THE RECEIVER**

---

To stop your 835b engine, place the pointed end of the engine tool into the exhaust outlet (stinger). This will block the exhaust and stop the engine.

Your radio system is preset at the factory. If you need to re-bind your system, follow these steps:

1. Insert bind plug into receiver channel 3.
2. Move the radio box switch to the “ON” position. The LED should start blinking.
3. Hold down the transmitter’s “bind” button and turn on the transmitter. The receiver LED will stop blinking.
4. Move the radio box switch to the “OFF” position and turn off the transmitter. Remove the bind plug from the receiver.

The R240FS receiver has a build in failsafe. If the receiver loses contact with the transmitter, it will automatically return the throttle to a preset point.

To set:
1. Power up the transmitter and receiver.
2. Hold the buggy so the wheels are off the ground and clear of all objects.
3. With the transmitter throttle in neutral, press the failsafe set button on the receiver. The receiver LED will flash to indicate a new failsafe point has been set.
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 you are still 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. Pull the recoil 5 times (clearing engine of fuel).
3. Replace glow plug.
4. Repeat starting engine steps.

Engine break in will be accomplished with the first 5 tanks of fuel.

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 4 full turns out (counterclockwise).
2. Run at medium speeds, slowly accelerating and decelerating.
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 and 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.

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.

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%.
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.

## Camber

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

- **Negative Camber** = Top of the tire and wheel lean inward (Typically 0° to -2°)
  - Improved traction while cornering.
  - Adds overall stability.
- **Positive Camber** = Tire and wheel lean outward (NOT recommended).

## Ackerman

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

- **Forward Hole**: More initial steering into corner. Steering is more aggressive. Better for tight technical tracks.
- **Rear Hole**: Less initial steering into a corner. Smoother steering response. Better for large flowing tracks.

## Front Toe-In and Toe-Out

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

- **Toe-In**: Front 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.

## Ride Height

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

- **Lower Rear**: More rear traction but reduces steering.
- **Lower Front**: Increases steering but can cause rear end to lose traction.

Rotate the collar on the shock to change ride height. Adjust left and right equally.
**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 on throttle, 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.

**ROLL CENTER**
Point at which the vehicle rolls laterally when cornering.

**Higher Roll Center:** Reduces chassis roll and on-power steering. The car feels more responsive. Reduces front traction going into corners. Good for high grip, technical tracks.

**Lower Roll Center:** Increases the chassis roll and on-power steering. Steering is less responsive, but smoother and more stable. Better for smooth tracks with high speed corners.

**FRONT ROLL CENTER**

**REAR ROLL CENTER**

**Higher Roll Center:** Increases the chassis roll on the rear of the car. Increases rear traction on-power. Decreases rear traction during braking.

**Lower Roll Center:** Decreases the chassis roll at the rear of the car. Decreases rear on-power traction. Reduces corner entry steering. Increases corner exit steering.
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 clutch gears.

WHEELBASE
Distance between the front and rear wheels.

- SHORTER WHEELBASE: Increases rear on power traction. More off power steering.

SHOCK OIL


DIFFERENTIAL OIL
FRONT: Thinner: Increased off power steering (too thin will make it inconsistent.) Decreased on power steering.
   Thicker: Increased stability while braking into a corner. Increased on power steering exiting a corner.

CENTER: Thinner: Better for rough track conditions. Causes the front to unload under acceleration. Decreases on power steering.

   Thicker: Decreases rear traction in the corners. Increases forward traction. Less mid corner steering
PAY ATTENTION TO SHIM SIZE. USE 0.1mm SHIM

FRONT / REAR x2

PAY ATTENTION TO SHIM SIZE. USE 0.1mm SHIM

FRONT / REAR x2

TIGHTEN SCREWS IN ORDER SHOWN.

FILL TO TOP OF GEARS.

FILL TO TOP OF GEARS.

CENTER x1
MAKE SURE THE BEARINGS ARE FULLY SEATED IN THE DIFF HOUSING.

IMPORTANT: NOTE THE DIRECTION OF THE DIFF IN THE HOUSING.
10

**Front**

- **E** (x2) 3x10mm
- **L** (x4) 4x12mm
- **Y** (x2) 3x30mm

11

**Right**

- **B** (x4) 8x16mm

MAKE SURE THE BEARINGS ARE FULLY SEATED IN THE KNUCKLE ARMS.

12

**Right**

- **L** (x4) 4x12mm
- **NN** (x2) 5x4mm
- **108** (x2) 2.5x16mm

**Left**

- **106**
- **107**
- **108**
- **113**
- **114**
- **124**
- **125**
**19**

Z (x2) 3x3mm

149 (x2)

**20**

D (x2) 3x8mm

**21**

J (x2) 3x18mm

*Linkage flush with end of sway bar.*

*Install sway bar over the drive shafts.*
MAKE SURE THE BEARINGS ARE FULLY SEATED IN THE DIFF HOUSING.

IMPORTANT: NOTE THE DIRECTION OF THE DIFF IN THE HOUSING.
**25**

Y (x2)
3x30mm

**26**

X (x2)
3x20mm

**27**

E (x1)
3x10mm
**28**

- **E (x2)**
  - 3x10mm

- **L (x2)**
  - 4x12mm

---

**29**

- **B (x4)**
  - 8x16mm

- **NN (x2)**
  - 5x4mm

- **108 (x2)**
  - 2.5x16mm

**Note:**

MAKE SURE BEARINGS ARE FULLY SEATED IN THE HUBS.

---

**30**

- **HH (x2)**
  - 3mm

- **153 (x2)**
  - 3x45mm

---
**31**

Refer to the tuning guide for droop settings.

- **CC** (x2)
  - 4x12mm

- **K** (x2)
  - 3x22mm

- **22** (x2)
  - 5x50mm

- **168** (x2)

**INITIAL SETTING:**
DROOP SCREW FLUSH WITH BOTTOM OF SUSPENSION ARM

**32**

- **HH** (x2)
  - 3mm

- **K** (x2)
  - 3x22mm

- **22** (x2)
  - 5x50mm

- **168** (x2)

**33**

- **DD** (x2)
  - 3x8mm

- **HH** (x2)
  - 3mm

- **JJ** (x2)
  - 4mm

- **156** (x2)
  - 4x62mm

22
37
- **Z (x2)**
- 3x3mm
- **149 (x2)**

38
- **D (x2)**
- 3x8mm

39
- **J (x2)**
- 3x18mm

**INSTRUCTIONS**

**ASSEMBLED**

**INSTALL SWAY BAR OVER THE DRIVE SHAFTS.**
**40**

HH (x1)
3mm

153 (x1)
3x45mm

**41**

C (x4)
6x10mm

MAKE SURE THE BUSHINGS ARE FULLY SEATED IN THE BELLCRANKS.

**42**

DD (x2)
3x8mm

HH (x2)
3mm

Duratrax 8358
55

- Z (x1) 3x3mm

56

- U (x4) 4x14mm

57

- DD (x2) 3x8mm
- HH (x2) 3mm

**DURATRAX**

- FRONT x2
- REAR x2

**8358**

- 127 FRONT (SHORT)
- 128 REAR (LONG)

- APPLY A SMALL AMOUNT OF SHOCK OIL TO THE O-RINGS BEFORE INSTALLING.

- MAKE SURE THE O-RINGS ARE PROPERLY SEATED IN THE SHOCK BODY.
58

USE THE SHORT SHAFT AND BODY FOR THE FRONT AND THE LONG SHAFT AND BODY FOR THE REAR.

131
130

59

FILL THE SHOCK BODY WITH SHOCK OIL. GENTLY WORK THE SHAFT UP AND DOWN TO ALLOW THE AIR BUBBLES TO WORK OUT OF THE OIL.

SLIDE THE SHAFT UP UNTIL THE PISTON IS TO THE TOP OF THE OIL. DO NOT PUSH THE PISTON ALL THE WAY OUT OF THE OIL. SLOWLY THREAD THE SHOCK CAP ONTO THE SHAFT BODY, ALLOWING THE EXCESS OIL TO BLEED OUT. FIRMLY TIGHTEN DOWN THE SHOCK CAP.

129
135

133 FRONT (SHORT)
145 REAR (LONG)

60

158 (x4)
3mm

142 FRONT (SHORT)
143 REAR (LONG)

134 FRONT (SHORT)
144 REAR (LONG)

125
158
Before tightening the flywheel nut, pull the recoil string out 5-6". This slack is needed to allow the recoil string to be drawn in without binding when the flywheel nut is tightened.

To hold the flywheel, we recommend using the Duratrax flywheel wrench (DTXR1105).
**64**

*NOTE THE DIRECTION OF THE SHOES AND SPRINGS.*

*FOR EASIER INSTALLATION, WE RECOMMEND USING THE DURATRAX CLUTCH SHOE 100L (DTXR1110).*

**65**

*MAKE SURE BEARINGS ARE FULLY SEATED IN THE CLUTCH BELL.*

**66**

FOR EASIER INSTALLATION, WE RECOMMEND USING THE MUCHMORE MUFFLER SPRING TOOL (MMRR1005).
**70**

*Insert bushings into fuel tank.*

**71**

- F (x2) 3x12mm
- Q (x2) 3x10mm

**72**

- T (x1) 4x12mm
- JJ (x4) 4mm
73

- T (x1)
  4x12mm
- BB (x1)
  4x5mm

74

- BB (x1)
  4x5mm
- MM (x4)
  4x10mm

FIRMLY SQUEEZE A STRIP OF PAPER BETWEEN THE GEARS TO HELP SET THE PROPER MESH.

75

- F (x8)
  3x12mm
<table>
<thead>
<tr>
<th>Part Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>3x3mm Set Screws</td>
<td>DTXC8660</td>
</tr>
<tr>
<td>G-27CX Engine w/SG Crankshaft</td>
<td>DTXG0256</td>
</tr>
<tr>
<td>Front Ball Bearing</td>
<td>DTXG0351</td>
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<tr>
<td>Rear Ball Bearing</td>
<td>DTXG0364</td>
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<tr>
<td>Carburetor Dust Boot</td>
<td>DTXG0404</td>
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<tr>
<td>Carburetor Body</td>
<td>DTXG0408</td>
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<td>Carburetor Slide Valve</td>
<td>DTXG0413</td>
</tr>
<tr>
<td>Carburetor Gasket Set</td>
<td>DTXG0432</td>
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<tr>
<td>Carburetor Complete</td>
<td>DTXG0444</td>
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<tr>
<td>Carburetor Retainer Set</td>
<td>DTXG0461</td>
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<tr>
<td>Carburetor O-Ring</td>
<td>DTXG0469</td>
</tr>
<tr>
<td>Connecting Rod</td>
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<tr>
<td>Backplate Set</td>
<td>DTXG0491</td>
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<tr>
<td>Backplate Screw Set</td>
<td>DTXG0509</td>
</tr>
<tr>
<td>Crankcase</td>
<td>DTXG0527</td>
</tr>
<tr>
<td>SG Crankshaft</td>
<td>DTXG0539</td>
</tr>
<tr>
<td>Piston/Cylinder Set</td>
<td>DTXG0546</td>
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<tr>
<td>Fuel Inlet Nozzle Set</td>
<td>DTXG0556</td>
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<tr>
<td>Head Button &amp; Shim Set</td>
<td>DTXG0574</td>
</tr>
<tr>
<td>Cylinder Head w/Screws</td>
<td>DTXG0579</td>
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<tr>
<td>Engine Gasket Set</td>
<td>DTXG0596</td>
</tr>
<tr>
<td>Low Speed Needle Set</td>
<td>DTXG0598</td>
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<tr>
<td>Cylinder Head Screws</td>
<td>DTXG0610</td>
</tr>
<tr>
<td>High Speed Needle Socket</td>
<td>DTXG0618</td>
</tr>
</tbody>
</table>
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 Crankcase .............. DTXG0527
E2 Cylinder Sleeve .............. DTXG0546
E3 Piston .............. DTXG0546
E4 Cylinder Head (Blue) .......... DTXG0579
E5 Head Button .............. DTXG0574
E6 Connecting Rod .......... DTXG0474
E7 Front Bearing .............. DTXG0351
E8 Rear Bearing .............. DTXG0364
E9 SG Crankshaft .......... DTXG0539
E10 Piston Pin .............. DTXG0646
E11 Piston Pin Retainer .......... DTXG0646
E12 Head Shim .......... DTXG0596, DTXG0574
E13 Start Shaft Pin Spring .......... DTXG0777
E14 Start Shaft Pin .......... DTXG0777
E15 Start Shaft .......... DTXG0771
E16 Backplate Gasket .......... DTXG0491
E17 Backplate (for Recoil) .......... DTXG0491
E18 3 x 6mm Backplate Screw .......... DTXG0509, DTXG0491
E19 One-Way Bearing .......... DTXG0637
E20 Recoil Starter .................. DTXG0756
E21 3 x 5mm Recoil Starter Screw .......... DTXG0756
E22 Carburetor Body .......... DTXG0408, DTXG0444
E23 Slide Valve .............. DTXG0413, DTXG0444
E24 Low Speed Needle O-Ring .......... DTXG0598, DTXG0432, DTXG0444
E25 Low Speed Needle Valve .......... DTXG0598, DTXG0444
E26 Carb Dust Boot .......... DTXG0404, DTXG0432, DTXG0444
E27 Throttle Arm .......... DTXG0801, DTXG0444
E28 Throttle Stop Screw .......... DTXG0814, DTXG0444
E29 Carburetor O-Ring .......... DTXG0469, DTXG0432, DTXG0444
E30 4 x 7.5 x .5mm Gasket .......... DTXG0432, DTXG0556, DTXG0444
E31 Fuel Inlet Nozzle .......... DTXG0556, DTXG0444
E32 5 x 7.5 x .5mm Gasket .......... DTXG0432, DTXG0556, DTXG0444
E33 High Speed Needle Socket .......... DTXG0618, DTXG0444
E34 High Speed Needle O-Ring .......... DTXG0621, DTXG0432, DTXG0444
E35 High Speed Needle Valve .......... DTXG0621, DTXG0444
E36 Carburetor Retainer Pin .......... DTXG0461
E37 3.5mm Lock Washer .............. DTXG0461
E38 3.5 x 5mm Carb Retainer Screw .......... DTXG0461
E39 3 x 15mm Cylinder Head Screw .......... DTXG0610, DTXG0579
E40 Small Backplate O-Ring .......... DTXG0491
E41 Throttle Stop Screw O-Ring .......... DTXG0814, DTXG0432
Tools & Accessories

**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**

**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” x 6’ (50.8 mm x 1.8 m).

- **DTXR1210**

**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**

**Pit Tech Tire Glue**
Specially formulated to form 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

**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**

**Shoe Goo® II**
Clear, nonflammable Shoe Goo compound is strong, yet flexible when dry. It’s ideal for body repairs, mounting servos, building battery packs and more.

- **DTXC2460**

**Pit Mats**
The 5 x 5 in (63.5 x 63.5 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)
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**Accessories**

**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**
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.

- DTXM4000

**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

**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 frequency-hopping technology to eliminate interference. A half-ounce R2004GF receiver is included.

- FUTK1300
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.

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- 3rd Battery
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- Glow Starter
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- Antenna Tube
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- Battery
- "AA" Alkaline Battery x 4 (Transmitter)

## REQUIREES

- "C" Alkaline Battery (Glow Starter)
- Air Filter Oil (D35922465)
- "AA" Alkaline Battery x 4 (Transmitter)