





# :: Introduction

Thank you for purchasing this Team Associated product. This assembly manual contains instructions and tips for building and maintaining your new vehicle. Please take a moment to read through the manual and familiarize yourself with the steps. We are continually changing and improving our designs; therefore, actual parts may appear slightly different than the illustrations. New parts will be noted on supplementary sheets located in the appropriate parts bags. Check each bag for these sheets before you start to build.

## **# RC10SC6.2 KIT Features**

- Flat suspension arms and new rear carbon fiber shock tower with updated geometry
- B74.1 two-piece rear hub with aluminum upper caps for fine geometry adjustments
- 1.3mm front anti-roll bar and hardware included for added high-speed stability
- Lay Down & Lay Back Stealth  ${\ensuremath{\mathbb R}}$  transmission both included for tuning weight bias
- Factory Team 13g aluminum chassis weight
- Updated side rails for 30mm motor fan mount shared with B6.2 buggy
- Easy-access differential with height adjustment using included 0, 1, 2, and 3mm inserts
- +1 carbon fiber steering block arms
- Updated front bumper design for increased durability
- Aluminum C and D arm mounts included for large range of anti-squat and toe adjustments
- Aluminum rear ballstud mount for added strength
- Lightweight, hard-anodized aluminum chassis with centralized mass and three mid-motor positions for improved handling on all track types.
- Differential height adjustment with included 0, 1, 2, & 3mm inserts.
- Easy access to ball differential.
- New slipper assembly for better weight balance and shock clearance.
- Heavy-duty 4mm carbon fiber shock towers.
- Heavy-duty V2 rear axle with 91mm CVA bones.
- V2 12mm "Big Bore" threaded aluminum shocks with 3mm shafts and x-rings for improved smoothness.
- Machined pistons included for better fit and smoother operation.
- Reverse bell crank steering allows more room for mounting electronics.
- Bolt on steering block arms for easy Ackermann adjustments.
- Aluminum rear ball stud mount for added strength.
- One-piece shock bushing to make assembly easier.
- Lightweight aluminum top shaft.
- Innovative rear arm with molded inserts for ultra-fine lower shock mounting adjustments.
- Factory Team upgraded ball bearing kit included (now oiled instead of greased for less drag).
- Heavy-duty ball cups and ball studs allow for maximum suspension travel while reducing bind and friction.

# :: Additional

Your new SC6.2 Team Kit comes unassembled and requires the following items for completion (refer to catalog for suggestions):

- R/C two channel surface frequency radio system
- AA-size batteries for transmitter (#302 alkaline)
- Electronic Speed Control, ESC (#27002, 27003, 27004, 27005)
- Steering servo (#27113, 27114, 27116, 27100, 27101, 27107, 27109)
- R/C electric motor
- Pinion gear (48P), size determined by type/wind of motor
- Battery charger (a peak detection charger, or LiPo compatible charger)
- 2 cell LiPo battery pack (#27318, 27347, 27348, 27349, 27350)
- Polycarbonate specific spray paint

# :: Other Helpful Items

- Silicone Shock Fluid (Refer to catalog for complete listings)
- FT Body Scissors (#1737)
- FT Hex/Nut Wrenches (#1519)
- FT Universal Tire Balancer (#1498)
- FT Dual Turnbuckle Wrench (#1114)
  - Associated Electrics, Inc. 21062 Bake Parkway. Lake Forest, CA 92630
- FT Body Reamer (#1499)
- Needle Nose Pliers
- Calipers or a Precision Ruler
   Soldering Iron
- Green Slime shock lube (#1105)

- Cyanoacrylate glue (CA)(#1597)
- Thread locking compound (#1596)
- Tires and Inserts, Fronts and Rears
- Wheels w/12mm Hex #71040, 91101 Tools included:
- Allen wrenches 1.5mm, 2.0mm
- #1113 12mm Shock Tool
- Multi-wrench

Shock Pliers (#1675)

• FT Ballcup Wrench (#1579)

- Wire Cutters
- Hobby Knife
- Customon Se

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	Hardware - 1:1 Sca	ale View				
[[	Button Head (bhcs)		Flat Head (fhcs	)	Ball Bearing	S
		2x4mm (31510) Aluminum (8545)		2x3mm (91743)		3x7x3mm (91475)
		2.5x6mm (31520)		3x8mm (25201) Aluminum (8553) Titanium (91592)		5x8x2.5mm (31400)
	()AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	2.5x8mm (31521) 2.5x10mm (31522)		3x10mm (25202) Aluminum (8555) Titanium (91593)	$\bigcirc$	5x10x4mm (91560)
		3x4mm (91158) 3x5mm (31530)		3x12mm (25203) Aluminum (8556)	$\bigcirc$	6x13x5 (91562)
		3x6mm (31531) Aluminum (8550) Titanium (91580)		Titanium (91594) 3x14mm (89208) Aluminum (8567) Titanium (91595)		10x15x4 (91563)
		3x8mm (31532) Aluminum (8552) Titanium (91581)		3x16mm (25204) Titanium (91596)	Ballstuds	
		3x10mm (25211) Aluminum (8554) Titanium (91582)		3x18mm (89209) Titanium (91597)		Silver 5mm long (31283) Ti Nitride 5mm long (31291)
		3x12mm (89202) Titanium (91583)	Set Screws	3x2.5mm (31500)		Silver 8mm long (31284) Ti Nitride 8mm long (31292)
		3x14mm (25187) Titanium (91584)		3x3mm (25225) 3x10mm (4671)		HD 6mm (91047) Ti Nitride HD 6mm (91118) Ti HD 6mm (91751)
		3x16mm (89203) Titanium (91585)	Shims and Was	shers		HD 8mm (91048) Ti Nitride HD 8mm (91119) Ti HD 8mm (91752)
		3x18mm (2308)		5.5x0.5mm (31381)		
		3x20mm (25188) Titanium (91587)		5.5x1.0mm (31382)		HD 10mm (91049) Ti Nitride HD 10mm (91120) Ti HD 10mm (91753)
		3x22mm (25189) Titanium (91588)	$\bigcirc [$	5.5x2.0mm (31383)	Nuts (lock/	plain)
		3x24mm (89204) Titanium (91589)	$\bigcirc$	3x8mm Washer (89218)		M3 Nut (91477) M3 Alum. Locknut, Blue (31550) M3 Locknut, Black (25215
l		3x30mm (91478)	Diff Balls			M3 Locknut w/Flange (25612)
[	Cap Head (shcs)		0	5/64 Diff Thrust Balls (6574) 3/32 Carbide Diff Balls (6581)		FT 3mm Locknuts, Blue(25392)
		1.6 x 5mm (91611)	0	3/32 Ceramic Diff Balls (6584)		M4 Locknuts: Serrated Steel LP (91150) Serrated Steel (Silver) (91826) FT Aluminum (Blue) (31551) Serrated Aluminum (Black) (91738)

Notes:

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#### :: Notes



This symbol indicates a special note or instruction in the manual.



This symbol indicates a Racers Tip.



There is a 1:1 hardware foldout page in the front of the manual. To check the size of a part, line up your hardware with the correct drawing until you find the exact size. Each part in the foldout has a number assigned to it for ordering replacement parts.

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:: Bag 1 - Step 2













# :: Bag 2 - Step 4



# :: Bag 2 - Step 5



:: Bag 2 - Step 6



# :: Bag 2 - Step 7



#### :: Bag 2 - Step 8 25187 🕮 25211 🖽 M3 x 14mm M3 x 10mm BHCS BHCS The front hinge pin brace has a sharp edged side, and a rounded edge side. 91657 Mount the sharp edge side Front Hinge Pin towards the bulkhead. Brace, B6 31510 🖽 M2 x 4mm BHCS 71103 🕮 Front Arms, T6.1 (L & R)





# :: Bag 3 - Step 1











## :: Bag 5 - Step 3





# :: Bag 6 - Step 2







:: Bag 6 - Step 4





# :: Bag 6 - Step 6



:: Bag 6 - Step 7



# :: Bag 6 - Step 8













# :: Bag 8 - Step 1





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#### :: Bag 9 - Step 2



# :: Bag 9- Step 3





#### :: Bag 9 - Step 4



# :: Bag 10 - Step 1









# :: Bag 10 - Step 4



## :: Bag 10 - Step 3



Build 2 (1 left, 1 right)



Build 2 (1 left, 1 right)





# :: Tuning Tips - Painting, Beginners

## Painting:

Your Kit requires a clear polycarbonate body. You will need to prep the body before you can paint it.

Wash the INSIDE thoroughly with warm water and liquid detergent (do not use any detergents with scents or added hand lotion ingredients!). Dry the body using a clean, soft, lint-free cloth. Use the supplied window masks to cover the windows from the INSIDE of the body (RC bodies get painted on the inside). Using high quality masking tape, apply tape to the inside of the body to create a design. Spray (use either rattle can or airbrush) the paint on the inside of the body (preferably dark colors first, lighter colors last). NOTE: ONLY use paint that is recommended for (polycarbonate) plastics. If you do not, you can destroy the body! After the paint has completely dried (usually after 24 hours), cut the body along the trim lines. Make sure to drill or use a body reamer to make the holes for the antenna if needed! Use hook and loop tape to secure the body to the side rails of the vehicle.

#### **Tips for Beginners:**

Before making any changes to the standard setup, make sure you can get around the track without crashing. Changes to your vehicle will not be beneficial if you can't stay on the track. Your goal is consistent laps. Once you can get around the track consistently, start tuning your vehicle. Make only ONE adjustment at a time, testing it before making another change. If the result of your adjustment is a faster lap, mark the change on the included setup sheet (make adddtional copies of the sheet before writing on it). If your adjustment results in a slower lap, revert back to the previous setup and try another change. When you are satisfied with your vehicle, fill in the setup sheet thoroughly and file it away. Use this as a guide for future track days or conditions. Periodically check all moving suspension parts. Suspension components must be kept clean and move freely without binding to prevent poor and/or inconsistent handling.



## **# Tuning Tips**

## **Trailing Axle:**

A trailing axle is the distance from the king pin to the axle that "trails" behind the pin. The standard setup uses a 4mm trailing axle steering block for the most stable handling. Try the 3mm trailing axle steering block for more corner entry steering.

#### Front Camber Links:

Changing the length of the camber link is considered a bigger step than adjusting the ball end height on the tower. Shortening the camber link

(or lowering the ball end) will give the front end less roll and guicken steering response. Lengthening the camber link (or raising the ball end) will give the front more roll and slower steering response. Longer camber links are typically used on high grip tracks and shorter links tend to work better on medium-grip loose tracks.

## **Rear Camber Link:**

Changing the length of the camber link is considered a bigger step than adjusting the ball end height on the rear chassis brace. Shortening the camber link (or lowering the ball end) will give the rear end less roll and the car will tend to accelerate or "square up" better. Lengthening the camber link (or raising the ball end) will give the rear more roll and more cornering grip. Longer camber links are typically used on high grip tracks, while shorter links tend to work better on medium grip loose tracks.

The kit setting is the best compromise of cornering grip and acceleration.

#### Ackermann:

Ackermann is the angle difference between the front wheels when they are turned to steer the car. For minimal tire slip, it is standard for the inside wheel to steer to a greater angle than the outside wheel. The kit allows Ackermann

adjustments by changing the washer thickness used behind the steering rack ballstuds. The kit setup uses 2mm

washers and is most common for racing conditions. If corner entry steering is too aggressive, try increasing the

Ackermann by removing shims from behind the steering rack ballstuds. Increasing the Ackermann will increase the angle difference of the front wheels when steered, resulting in a more stable car on corner entry.

#### Kickup:

Kickup is the angle the front suspension arm mounts at where the front of the arm is higher than the rear. The standard kickup angle for the B6 is 25°, and is most common. If more corner entry steering is desired, try switching to the 30° front bulkhead setting.

#### Axle Height:

Axle height is used to keep roll centers similar when large ride height changes are made. As a rule of thumb, high axle heights are used for lower ride heights (< 20mm) and low axle heights are used for higher (> 22mm) ride heights. The idea is to keep the arms close to level at ride height.

#### **Ride Height:**

Ride height is the distance from the ground to the bottom of the chassis.

The standard front ride height setting is 19mm (Ride Height Gauge #1449). Check the front ride height by lifting up the entire car about 8-12 inches off the bench and dropping it. After the suspension "settles" into place, measure ride height (Ride Height Gauge #1449). Raise or lower the shock collars as necessary.

The rear ride height setting you should use most often is 19mm (Ride Height Gauge#1449). Check the rear ride height by lifting up the entire car about 8-12 inches off the bench and drop it. After the suspension "settles" into place,

measure ride height (Ride Height Gauge #1449). Raise or lower the shock collars as necessary.

### Wheelbase Adjustment:

You have three options for rear hub spacing; forward, middle, & back. The kit setting of middle is the most neutral, and will be used most often. For improved handling in bumps or rhythm sections, try moving the hubs to the back position. Hub forward is typically used on low grip or where there are lots of tight corners.



Spacers to the rear will place hubs forward, shortening the wheelbase

# Anti-Roll Bars:

The anti-roll bar kits (also called the "swaybar") allows you to add roll resistance to the front and /or rear end with minimal effect on handling over bumps and jumps. It is an especially helpful tuning item on high-grip tracks.

# **Shock Mounting Position:**

The rear shocks can be mounted on the front or rear of the rear suspension arm. Mounting the shocks on the front of the arm reduces rear weight bias. This causes the car to turn quicker and also steer more on-power. Usually this is used on high bite tracks in order to keep the car steering while applying throttle. Mounting the shocks on the rear of the arm increases rear weight bias and keeps the rear end planted while making the steering radius larger. This setting is typically easier to drive and will produce more rear traction.



\*Raise or lower the ball end by adding or removing washers here

\*Raise or lower

the ball end by

adding or

removing

washers here

# :: Tuning Tips (cont.)

### Motor Gearing:

Proper motor gearing will result in maximum performance and run time while reducing the chance of overheating and premature motor failure. The gear ratio chart lists recommended starting gear ratios for the most widely used

motor types. Gear ratios will vary depending upon motor brand, wind, and electronic speed control. Consult your

motor and electronic speed control manufacturers for more information. Team Associated is not responsible for motor damage due to improper gearing.

SC6.2 Gear Ratio Chart (Internal Gear Ratio 2.60:1)							
Motor Pinion Spur Final Drive Ratio							
17.5 Reedy S-Plus Brushless	24	81	8.78:1				
13.5 Reedy S-Plus Brushless	23	81	9.16:1				
10.5 Reedy 540-M3 Brushless	22	81	9.57:1				
9.5 Reedy 540-M3 Brushless	21	81	10.03:1				
8.5 Reedy 540-M3 Brushless	20	81	10.53:1				
7.5 Reedy 540-M3 Brushless	19	81	11.08:1				
6.5 Reedy 540-M3 Brushless	18	81	11.70:1				



# Set The Gear Mesh:

You should be able to rock the spur gear back and forth in the teeth of the pinion gear without making the pinion gear move. If the spur gear mesh is tight, then loosen the #31532 screws and move the motor away, then try again.

A gear mesh that is too tight or too loose will reduce power and damage the gear teeth.

## Diff Height Adjustment:

The diff height adjustment is a good way to tune the car for grip level. On high grip tracks and low chassis ride heights, setting your diff higher will be a good option. On lower grip tracks with higher chassis ride heights, setting your diff lower will be a better option.

## Gear Box Type:

Selecting the correct gear box is dependent on the type of track it will be used on.

 The <u>lay-down</u> gear box is used on high grip conditions when on-power steering and stability are most important. This gear box will change directions the quickest and generate the most steering.
 The <u>layback</u> gear box is used for most indoor clay track conditions.

#### Slipper Clutch:

The assembly instructions give you a base setting for your clutch. Turn the nut on the top shaft screw so that the end of the top shaft screw is even with the outside of the nut. At the track, tighten or loosen the nut in 1/8 turn increments until you hear a faint slipping sound for 1-2 feet on takeoffs. Another popular way to set the clutch is to hold both rear tires firmly in place and apply short bursts of throttle. If the clutch is properly set, the front tires should lift slightly up off the surface.

#### Caster:

Caster describes the angle of the caster block as it leans toward the rear of the vehicle. Positive caster means the kingpin leans rearward at the top. The kit includes three inserts to adjust caster angle at the caster block,  $0^\circ$ , 2.5°, and +5°. The total caster angle is the sum of the kick-up angle and the caster block angle. Standard total caster angle for the B6 is 30°. That is achieved with a 25° kick-up and a +5° caster block angle. For less entry steering and more exit steering, try 0° caster block angle.

#### Front Camber:

Camber describes the angle at which the tire and wheel rides when looked at from the front. Negative camber means that the tire leans inward at the top. A good starting camber setting is -1°. Positive camber, where the top of the tire is leaning out, is not recommended. Optional #1719 camber gauge can be used to more accurately set camber.





\*Testing camber with camber gauge

## Rear Camber:

Camber describes the angle at which the tire and wheel rides when looked at from the back. Negative camber means that the tire leans inward at the top. A good starting camber setting is -1°. Adding a small amount of positive camber, where the top of the tire is leaning out, will tend to improve straight-line acceleration on loose tracks.

Optional #1719 camber gauge can be used to more accurately set camber.

:: Shoc	ks	
4187	.030 Nylon Washer	12
31327	VCS3 Shock Bottom Cap and O-Ring	2 ea.
31510	2x4mm BHCS	6
89278	2.6x6mm Washer	20
91304	12MM Threaded Collar and O-Ring	2
91481	12x27.5MM V2 Shock Bodies	2
91483	12x36MM V2 Shock Bodies	2
91491	12MM V2 Shock Rebuild Kit	1
91492	M2 x 4mm BHCS with Washer	2
91493	FT Low Friction X-Rings	8
91495	12 mm V2 X-Ring Rebuild Kit	1
91619	3 x 27.5mm Shock Shaft (V2), TiN	2
91623	3 x 35mm Shock Shaft (V2), TiN	2
91626	FT 12mm Pistons (V2), 2x1.6 mm, flat	4
91627	FT 12mm Pistons (V2), 2x1.7 mm, flat	4
91814	B6.1 Shock Caps/Spring Cups	4 ea.
91819	B6.1 Shock Pivot Balls	4
91820	B6.1 Ball Ends	1



#### **::** Springs Front Shock Spring, 54mm, Green 3.75lbs Front Shock Spring, 54mm, White 4.10lbs Front Shock Spring, 54mm, Gray 4.45lbs - KIT Rear Shock Spring, 72mm, Green 2.20lbs Rear Shock Spring, 72mm, White 2.40lbs - KIT Rear Shock Spring, 72mm, Gray 2.60lbs

:: Ball I	Differential	
1733	Diff Shims	8
6573	Diff Thrust Washer & Bolt	2
6574	Precision Diff Thrust Balls, 5/64"	6
6575	Locking T-Nut, Diff Thrust Bolt, & Cover	1
6581	3/32" Carbide Diff Balls	12
6582	Diff Thrust Spring	1
7666	Diff Drive Rings, 2.60:1	2
7677	Ball Diff Rebuild Kit	1
31400	Bearing, 5 x 8mm	2
91419	Diff Gear, B5	1
91701	Ball Diff Outdrive, B6	1 ea.
91702	Ball Diff Kit, B6	1
1		



#8	Sho	ck	Flu	iid

5420	10 Weight Silicone Shock Fluid	2oz.	
5421	20 Weight Silicone Shock Fluid	2oz.	
5422	30 Weight Silicone Shock Fluid	2oz.	
5423	40 Weight Silicone Shock Fluid	2oz.	
5424	22.5 Weight Silicone Shock Fluid	2oz.	
5425	80 Weight Silicone Shock Fluid	2oz.	
5426	27.5 Weight Silicone Shock Fluid	2oz.	
5427	15 Weight Silicone Shock Fluid	2oz.	
5428	25 Weight Silicone Shock Fluid	2oz.	
5429	35 Weight Silicone Shock Fluid	2oz.	
5430	45 Weight Silicone Shock Fluid	2oz.	ACTORY T
5431	55 Weight Silicone Shock Fluid	2oz.	lean
5432	32.5 Weight Silicone Shock Fluid	2oz.	SHOCK FLU
5433	37.5 Weight Silicone Shock Fluid	2oz.	2
5434	42.5 Weight Silicone Shock Fluid	2oz.	C BU
5435	50 Weight Silicone Shock Fluid	2oz.	<b>425 C51</b> #5429
5436	60 Weight Silicone Shock Fluid	2oz.	Constanting Lake Former Constanting
5437	70 Weight Silicone Shock Fluid	2oz.	
5438	47.5 Weight Silicone Shock Fluid	2oz.	

FT 3x35mm V2 Shock Shaft, Chrome

<b>::</b> Diffe	rential Fluid		
5450	Silicone Diff Fluid 1,000CST	2oz.	
5451	Silicone Diff Fluid 2,000CST	2oz.	
5452	Silicone Diff Fluid 3,000CST	2oz.	
5444	Silicone Diff Fluid 4,000CST	2oz.	No. of Concession, Name
5453	Silicone Diff Fluid 5,000CST	2oz.	
5446	Silicone Diff Fluid 6,000CST	2oz.	
5454	Silicone Diff Fluid 7,000CST	2oz.	
5455	Silicone Diff Fluid 10,000CST	2oz.	ACTORY
5447	Silicone Diff Fluid 15,000CST	2oz.	Jean
5456	Silicone Diff Fluid 20,000CST	2oz.	SILICONE DIFF FLU
5457	Silicone Diff Fluid 30,000CST	2oz.	DIFFERENTIEL
5458	Silicone Diff Fluid 60,000CST	2oz.	
5448	Silicone Diff Fluid 80,000CST	2oz.	
5459	Silicone Diff Fluid 100,000CST	2oz.	1000 C9' #5450
5461	Silicone Diff Fluid 200,000CST	2oz.	59 mL (2 fl.04
5463	Silicone Diff Fluid 500,000CST	2oz.	
5465	Silicone Diff Fluid 1,000,000CST	2oz.	

# **::** Transmission

25188	M3 x 20mm BHCS	10
25202	M3 x 10mm FHCS	10
25204	M3 x 16mm FHCS	10
31383	Ballstud Washers, 5.5x2.0 mm, blue aluminum	10
31448	M2.5 x 8mm FHCS	10
31532	M3 x 8mm BHCS	10
89202	M3 x 12mm BHCS	10
89203	M3 x 16mm BHCS	10
89218	M3 x 8mm Washers	10
91048	Heavy-duty Ballstuds, 8 mm	10
91132	4x4 FT Idler Shafts, aluminum	2
91560	FT Bearings, 5x10x4 mm	4
91709	B6 Chassis Braces	1 ea
91717	B6 Idler Gear, 26T, standup	2
91775	B6.1 Rear Ballstud Mount	1
91790	B6.1 Layback Gearbox	1
91795	B6.1 Laydown Motor Plate	1
91799	B6.1 Laydown Top Shaft	1
91813	B6.1 Gear Cover	1
91819	B6.1 Shock Pivot Balls	4



# :: Slipper Clutch

ſ	9611	Slipper Pad, V2 - Kit	2			
l	25612	10				
l	91799 B6.1 Laydown Top Shaft					
l	91801	B6.1 Slipper Spring and Adaptors	1			
l	91803	B6.1 Slipper Hub, Inner	1			
l	91804	B6.1 Slipper Hub, Outer	1			
l	91805	B6.1 HTC Slipper Hub Outer	1			
l	92288	Octalock Slipper Pad	2			
l	92293	Octalock Spur Gear, 72T, 48P	1			
l	92294	Octalock Spur Gear, 75T, 48P	1			
l	92295	Octalock Spur Gear, 78T, 48P	1			
I	92296	Octalock Spur Gear, 81T, 48P	1			



:: Pini	ion Gears					
1335	17T 48P Aluminum Pinion Gear	1	1349	31T 48P Aluminum Pinion Gear	1	
1336	18T 48P Aluminum Pinion Gear	1	1350	32T 48P Aluminum Pinion Gear	1	
1337	19T 48P Aluminum Pinion Gear	1	1351	33T 48P Aluminum Pinion Gear	1	05005
1338	20T 48P Aluminum Pinion Gear	1	1352	34T 48P Aluminum Pinion Gear	1	25225
1339	21T 48P Aluminum Pinion Gear	1	1353	35T 48P Aluminum Pinion Gear	1	
1340	22T 48P Aluminum Pinion Gear	1	25225	M3 x 3mm Set Screw	20	
1341	23T 48P Aluminum Pinion Gear	1				
1342	24T 48P Aluminum Pinion Gear	1				
1343	25T 48P Aluminum Pinion Gear	1				
1344	26T 48P Aluminum Pinion Gear	1				
1345	27T 48P Aluminum Pinion Gear	1				
1346	28T 48P Aluminum Pinion Gear	1				
1347	29T 48P Aluminum Pinion Gear	1				
1348	30T 48P Aluminum Pinion Gear	1				

# :: Optional Gear Differential

31522	M2.5 x 10mm BHCS	10
91563	FT Bearings, 10x15x4 mm	4
91780	B6.1 Gear Differential Rebuild	1
91782	B6.1 Gear Differential Seals	1
91783	B6.1 Gear Differential Case	1
91784	B6.1 Aluminum Cross Pins	2
91785	B6.1 Gear Differential Outdrives	2
91786	B6.1 Gear Differential	1
91792	B6.1 Differential Height Inserts	2 ea.
5450	Silicone Diff Fluid 1,000CST	1
5451	Silicone Diff Fluid 2,000CST	1
5452	Silicone Diff Fluid 3,000CST	1
5444	Silicone Diff Fluid 4,000CST	1
5453	Silicone Diff Fluid 5,000CST	1
5446	Silicone Diff Fluid 6,000CST	1
5454	Silicone Diff Fluid 7,000CST	1
5455	Silicone Diff Fluid 10,000CST	1
5447	Silicone Diff Fluid 15,000CST	1
5456	Silicone Diff Fluid 20,000CST	1
5457	Silicone Diff Fluid 30,000CST	1
5458	Silicone Diff Fluid 60,000CST	1
5448	Silicone Diff Fluid 80,000CST	1
5459	Silicone Diff Fluid 100,000CST	1
5461	Silicone Diff Fluid 200,000CST	1
5463	Silicone Diff Fluid 500,000CST	1
5465	Silicone Diff Fluid 1,000,000CST	1



# **::** Turnbuckles and Servo Mounts

4671	M3 x 10mm Set Screw	6
7253	Turnbuckles, 67mm (2.62"), Steel	2
9175	Turnbuckles, 58mm	2
25211	M3 x 10mm BHCS	20
31284	Ball Studs Long, 8mm	6
31382	FT Ballstud Washer, aluminum1mm	10
31532	M3 x 8mm BHCS	6
89218	M3 x 8mm Washers	10
91719	Servo Mount, B6	2
91722	Ball Cups, B6	12
91728	B6 Servo Horns, 15.5 mm	1
91820	B6.1 Ball Ends	1
	7253 91722 9175	



# :: Battery Strap

31531	M3 x 6mm BHCS	10
89218	3 x 8mm Washers	10
91729	Thumb Screw, B6	2
91730	Battery Strap Shoulder Screw	2
91731	Battery Strap, B6	1



# **:: Front Arm**

Γ	25187	M3 x 14mm BHCS	10
	25188	M3 x 20mm BHCS	10
	25215	M3 Locknut, Black	10
	31382	FT Ballstud Washer, aluminum1mm	10
	31510	M2 x 4mm BHCS	6
	31531	M3 x 6mm, BHCS	6
	31532	M3 x 8mm, BHCS	6
	71103	T6.1 Front Arms	Pr.
	71111	T6.1 Front Axle, 8.50mm	2
	91048	Heavy-duty Ballstud, 8mm	8
	91049	Heavy-duty Ballstud, 10mm	8
	91560	FT Bearing, 5 x 10 x 4	4
	91670	Hinge Pin Set, B6	1
	91676	B6 Caster Hat Bushings	2 ea.
	91679	B6 Steering Block Arms	2
	91776	B6.1 Caster/Steering Blocks	1
	91826	M4 Serrated Wheel Nut, Steel (Silver)	10



# :: Rear Arm

10
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Pr.
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2
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8
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4
1
4
4
4
1
1
2
Pr.



#### :: Front Shock Tower M3 x 22mm BHCS M3 x 12mm FHCS M3 Locknuts w/Flange M3 x 8mm BHCS M2.5 x 14mm SHCS T6.1 Front Shock Tower SC6.1 Body Mounts Shock Bushing, 10mm $\mathbf{O}$ 25189 🕥 ... ... 25203 < 25203 <



#### **::** Front and Rear Bumpers



#### :: Front Bulkhead / Steering





#### :: Anti-Roll Bar

25225	M3 x 3mm Set Screws	10
23223		10
31500	M3 x 2.5mm Set Screws	10
31520	M2.5 x 6mm BHCS	10
71128	T6.1 Front Anti-Roll Bar	1
71129	Rear Anti-Roll Bar Set	1
91820	Front Anti-Roll Bar Link	2
91821	Anti-Roll Bar Hardware Set	2



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# **# Factory Team and Option Parts**

	ry ream and option Parts	
1364	FT Aluminum Servo Horn, 23T, 15.5mm	1
1366	FT Aluminum Servo Horn, 25T, 15.5mm	1
1369	FT Aluminum Clamping Servo Horn 23T, 15.5mm	1
1370	FT Aluminum Clamping Servo Horn 25T, 15.5mm	1
1404	FT Titanium Turnbuckles, 45mm, Silver	2
1405	FT Titanium Turnbuckles, 48mm, Silver	2
1407	FT Titanium Turnbuckles, 58mm, Silver	2
1408	FT Titanium Turnbuckles, 67mm, Silver	2
1413	FT Titanium Turnbuckles, 38mm, Silver	2
6584	FT Ceramic Diff Balls, 3/32"	14
27128	Servo Washers, Black Aluminum	4
31381	Aluminum Ballstud Washers, 5.5x0.5mm	10
31382	Aluminum Ballstud Washers, 5.5x1.0mm	10
31383	Aluminum Ballstud Washers, 5.5x2.0mm	10
		-
31384	Bulkhead Washers, 7.8x0.5 mm, blue aluminum	10 10
31385	Bulkhead Washers, 7.8x1.0 mm, blue aluminum	
31386	Bulkhead Washers, 7.8x2.0 mm, blue aluminum	10
71014	FT Clamping Wheel Hexes, 8.5mm	2
71034	FT Clamping Wheel Hexes, 6.0mm	2
91493	FT Low Friction X-Rings	4
91494	FT 12mm Machined Shock Spacers, V2	1
91495	FT 12mm V2 X-Ring Rebuild Kit	1
91577	FT 12x27.5mm FOX(R) Shock Bodies with	2
	Genuine Kashima Coat, V2, threaded	
91579	FT 12x36mm FOX(R) Shock Bodies with	2
	Genuine Kashima Coat, V2, threaded	
91580	Titanium Screws, 3x6mm BHCS	4
91581	Titanium Screws, 3x8mm BHCS	4
91582	Titanium Screws, 3x10mm BHCS	4
91583	Titanium Screws, 3x12mm BHCS	4
91584	Titanium Screws, 3x14mm BHCS	4
91585	Titanium Screws, 3x16mm BHCS	4
91588	Titanium Screws, 3x22mm BHCS	4
91589	Titanium Screws, 3x24mm BHCS	4
91592	Titanium Screws, 3x8mm FHCS	4
		4
91593	Titanium Screws, 3x10mm FHCS	
91594	Titanium Screws, 3x12mm FHCS	4
91595	Titanium Screws, 3x14mm FHCS	4
91596	Titanium Screws, 3x16mm FHCS	4
91597	Titanium Screws, 3x18mm FHCS	4
91610	FT Clamping Wheel Hexes, 7.0mm	2
91619	FT 3 x 27.5mm Shock Shaft (V2), TiN	2
91620	FT 3 x 27.5mm Shock Shaft (V2), Chrome	2
91621	FT 12mm Pistons, V2, 2x1.6, Thin	4
91622	FT 12mm Pistons, V2, 2x1.7, Thin	4
91623	FT 3 x 35mm Shock Shaft (V2), TiN	2
91624	FT 3 x 35mm Shock Shaft (V2), Chrome	2
91625	FT 12mm Pistons V2, 2 x 1.5, flat	4
91626	FT 12mm Pistons (V2), 2x1.6 mm, flat	4
91627	FT 12mm Pistons V2, 2 x 1.7, flat	4
91628	FT 12mm Pistons (V2), 3x1.4 mm, flat	4
91630	FT 12mm Pistons (V2), Blank, flat	4
91631	FT 12mm Pistons (V2), 3x1.4 mm, tapered	4
91633	FT 12mm Pistons (V2), Blank, tapered	4
91658	FT Aluminum Bulkhead, 10g	1
91659	FT Brass Bulkhead, 30g	1
91668	FT Aluminum Steering Bellcranks	1
	FT Brass Under Battery Weights	2
91744		
91745	FT Aluminum Chassis Weight, 9g	1
91746	FT Aluminum Chassis Weight, 13g	1
91747	FT Steel Chassis Weight, 24g	1
91748	FT Steel Chassis Weight, 36g	1
91750	HD Titanium Ball Stud, 4mm	2
91751	HD Titanium Ball Stud, 6mm	2
91752	HD Titanium Ball Stud, 8mm	2
91753	HD Titanium Ball Stud, 10mm	2
91754	FT ESC Plate, Carbon Fiber	1
91761	FT Servo Plate, Carbon Fiber	1
91773	FT Brass Arm Mount C	1
91781	FT Gear Diff Cover, Aluminum	1
91793	Aluminum Differential Height Inserts, Black	4
91796	FT Laydown/Layback Motor Plate, Carbon Fiber	1
91797	Titanium Top Shaft Screw	1
	·	

# **::** Factory Team and Option Parts

# Tools

91800	FT Direct Drive Kit	1
91802	FT Vented Slipper Hub	1
91806	FT Vented Slipper Hub, Outer	1
91807	FT HTC Vented Slipper Hub, Outer	1
92185	FT Rear Hub Link Shim Set, Carbon Fiber	1
92254	FT Nuts, M4 Low Profile Wheel Nuts, Black	4

#### FT Turnbuckle Wrench FT 4mm Turnbuckle Wrench FT Dual Turnbuckle Wrench FT TC Ride Height Gauge FT Universal Tire Balancer FT Body Reamer FT 1.5mm Hex Driver FT 2.0mm Hex Driver FT 2.0mm Ball Hex Driver FT 2.5mm Hex Driver FT 2.5mm Ball Hex Driver FT 3.0mm Hex Driver FT 5.0mm Hex Driver FT 5.5mm Nut Driver FT 7.0mm Nut Driver FT 1.5mm Hex Replacement Tip FT 2.0mm Hex Replacement Tip FT 2.0mm Ball Replacement Tip FT 2.5mm Hex Replacement Tip FT 2.5mm Ball Replacement Tip FT 3.0mm Hex Replacement Tip FT HEX Driver Tool Set (3pcs) FT Hex/Nut Driver Tool Set (5pc) FT Digital Scale, 100/0.01g FT Clutch Gauge, 4 Shoe FT 5.5mm Short Nut Driver

1568	FT 5.5mm Short Nut Driver	1
1569	FT 7mm Nut Driver, T-Handle	1
1570	FT 5.5mm Short Nut Driver	1
1571	FT 1:8 Wheel Nut Wrench, 17mm Hex	1
1579	FT Ball Cup Wrench - (will not work on Enduro rod ends)	1
1595	Chassis Weights, 1/4 oz	1
1650	7 Piece Hex Driver Set	1
1657	FT 1/4" Hex Drive .050" Tip	1
1659	FT 1/4" Hex Drive 5/64" - 2.0mm Tip	1
1661	FT 1/4" Hex Drive 1.5mm Tip	1
1662	FT 1/4" Hex Drive 2.5mm Tip	1
1666	FT 1/4" Hex Drive 5.5mm Nut Driver Tip	1
1667	FT 1/4" Hex Drive 7.0mm Nut Driver Tip	1
1668	FT 1/4" Hex Drive 8.0mm Nut Driver Tip	1
1674	FT 1/4" 5 Piece Power Tool Tips Set (5/64-2.0mm,	1
	1.5mm, 2.5mm, 5/64"- 2.0mm ball, 2.5mm ball)	
1679	FT T-Handle Ratchet Driver	1
1737	FT Body Scissors	1
3719	6 Inch Nylon Wire Ties	12
3987	FT Droop Gauge	1

<b>:: Lube</b> s	s & Adhesives / Misc.		
1105	FT Green Slime Shock Lube	1	
1596	FT Locking Adhesive	1	
1597	FT Tire Adhesive, medium	1	
6588	Black Grease - 4cc	1	(CONTRAC)
6591	S.Diff Lube - 4cc	1	
6636	Silicone Grease - 4cc	1	
6727	Servo Tape	2	EACTORY
727	Reedy 2020 Sticker Set	1	The area
3840	2016 Team Associated Decal Sheet	1	
71133	SC6.1 FT Chassis Protective Sheet	1	CAUTOR MAY PROVIDE CAR

**RC8 FT Turnbuckle Wrench** 

:: Reed	y Competition Motors & Spare Parts	
293	Sonic 540 FT 17.5 Fixed Timing	1
294	Sonic 540 FT 13.5 Fixed Timing	1
295	Sonic 540-FT Spec Rotor 12.0 x 7.25 x 25.3	1
297	Sonic 540 FT 21.5 Fixed Timing	1
27400	S-Plus 25.5 Spec	1
27401	S-Plus 21.5 Spec	1
27402	S-Plus 17.5 Spec	1
27403	S-Plus 13.5 Spec	1
27404	S-Plus 10.5 Spec - Torque	1
27414	540-M3/S-Plus Spec Rotor 12.5 x 7.15 x 24.2	1
27415	540-M3/S-Plus Spec Rotor 12.3 x 7.15 x 24.2	1
27417	S-Plus Screw Set	1
27418	540-M3/S-Plus Lightweight Sensor Board	1
27419	S-Plus Front Plate	1
27420	540-M3/S-Plus Aluminum Case Screw Set	1
27421	540-M3/S-Plus Aluminum Timing Screw Set	1
27428	S-Plus 21.5 Spec - Torque	1
27429	S-Plus 17.5 Spec - Torque	1
27436	Sonic 540-M4 Modified Motor 17.5	1
27437	Sonic 540-M4 Modified Motor 13.5	1
27438	Sonic 540-M4 Modified Motor 9.5	1
27439	Sonic 540-M4 Modified Motor 8.5	1
27440	Sonic 540-M4 Modified Motor 8.0	1
27441	Sonic 540-M4 Modified Motor 7.5	1
27442	Sonic 540-M4 Modified Motor 7.0	1
27443	Sonic 540-M4 Modified Motor 6.5 1/12	1
27444	Sonic 540-M4 Modified Motor 6.5	1
27445	Sonic 540-M4 Modified Motor 6.0	1
27446	Sonic 540-M4 Modified Motor 5.5	1
27447	540-M4 Mod Rotor 12.5 x 7.25 x 25.3	1
27448	540-M4 Mod Rotor 12.5 x 5.0 x 25.3	1
27449	540-M4 Mod Rotor 13.0 x 5.0 x 25.3	1
27450	540-M4 Mod Rotor 12.0 x 5.0 x 25.3	1
27451	Sonic 540-M4 Modified Motor 5.0	1
27452	Sonic 540-M4 Modified Motor 4.5	1
27453	Sonic 540-M4 Modified Motor 4.0	1
27454	Sonic 540-M4 Modified Motor 3.5	1
27455	540-M4 Sensor Board	1
27456	540-M4 Ball Bearing Set	1
27460	540-M4 Mod Rotor 12.3 x 5.0 x 25.3	1

:: Reed	ly Competition Motor Accessories	
978	Flat Sensor Wire 70mm	1
979	Flat Sensor Wire 110mm	1
980	Flat Sensor Wire 150mm	1
981	Flat Sensor Wire 200mm	1
982	Flat Sensor Wire 270mm	1
994	Flat Sensor Wire 125mm	1
995	Flat Sensor Wire 175mm	1
27423	30mm Motor Fan w/195mm extension	1
27457	30mm Aluminum Motor Fan w/195mm extension	1
27458	40mm Aluminum Motor Fan w/195mm extension	1

# **::** Reedy ESC's

27002	Blackbox 800Z 2S Zero-Timing Competition ESC	1
27004	Blackbox 510R Competition ESC	1
27005	Blackbox 510R Competition ESC w/PROgrammer2	1
27006	Blackbox 600Z 2S Zero-Timing Competition ESC	1
27024	Blackbox Pro Capacitor Unit	1
27027	Blackbox PROgrammer2	1
27028	Blackbox 30x30x7mm Fan w/screws	1
27029	Blackbox Pro Modified Capacitor Unit	1
27030	Blackbox ESC/Programmer2 Connection Wire	1
27031	Blackbox 510R 30x30x10mm Fan w/screws	1
27033	Blackbox 1000Z+ Pro Competition ESC	1

:: Reed	y Chargers	
27201	324-S AC LiPo/LiFe Compact Balance Charger	1
27202	123-S AC LiPo Compact Balance Charger	1
27203	1416-C2L Dual AC/DC Competition Battery Charger	1

#### **::** Reedy Charger Accessories

in mood		
27220	Reedy 7-in-1 Universal Charge Lead (4mm)	1
27221	Reedy T-plug Charge Lead (4mm)	1
27222	Reedy XH 2-6S Balance Board (4mm)	1
27223	Reedy RX Charger Lead FUT (4mm)	1
27224	Reedy US to IEC 320 C5 angle 1M AC Power Cord	1
27226	Reedy EU to IEC 320 C5 angle 1M AC Power Cord	1
27233	Reedy 1-2S 4mm/5mm Pro Charge Lead	1
27234	Reedy 4S 5mm Pro Clarge Lead	1
27235	Reedy 2S RX/TX Pro Charge Lead	1
27236	Reedy 2S-4S T-plug Pro Charge Lead	1
27237	Reedy 2S-4S XT60 Pro Charge Lead	1

:: Reedy	y Servos & Accessories	
27100	RS1206 Digital HV Hi-Speed Competition Servo	1
27101	RT1508 Digital HV Hi-Torque Competition Servo	1
27102	RS1206 Case Set w/screws	1
27103	RS1206 Gear Set	1
27104	RT1508 Case Set w/screws	1
27105	RT1508 Gear Set	1
27107	RT2207A Digital HV Aluminum Hi-Torque Competition Servo	1
27109	RT1408 Digital HV Low-Profile Hi-Torque Competition Servo	1
27117	RT3507A Digital HV Aluminum Brushless Servo	1
27118	RS3005A Digital HV Aluminum Brushless Servo	1
27119	RT1705A Digital HV Aluminum Brushless LP Servo	1
27121	RT2207A Gear Set	1
27122	Reedy Aluminum Servo Horn (25)	1
27123	Reedy Aluminum Clamping Servo Horn (25)	1
27126	RT1408 Case Set w/screws	1
27128	RT1408 Gear Set	1
27146	RT3507A Gear Set	1
27147	RS3005A Gear Set	1
27148	RT1705A Gear Set	1

:: Reed	ly Accessories	
643	Low Profile Bullet Plug 4mm x 14mm (2)	1
644	Low Profile Bullet Plug 4mm x 14mm (10)	1
645	Low Profile Bullet Plug 5mm x 14mm (2)	1
646	Low Profile Bullet Plug 5mm x 14mm (10)	1
647	Silicone Wire 12AWG-Black (1m)	1
648	Silicone Wire 14AWG-Black (1m)	1
650	Shrink Tubing - 15pcs 4.5mm x 20mm	1
747	Silicone Wire 12AWG-Black (30m)	1
790	Silicone Wire 13AWG-Black (1m)	1
791	Silicone Wire 13AWG-Black (30m)	1
792	Low Profile Caged Bullet Plug 4mm x 14mm (2)	1
794	Low Profile Caged Bullet Plug 5mm x 14mm (2)	1
27304	LiPo Battery Weight Set - Shorty	1
27355	Shorty Battery Weight Set - 20g, 34g, 50g	1



	Driver:		Events		
	Date:		Track		
TEAM KIT	Quality:	TQ: 🗌 Mata:	Finish:	BestlepTimer	
Front Suspension:			_		
Ride Height:		Bump Steer Spacing:	Ball St	tud Spacing:	
Camber:					
Toe:			Axle H	leight:	
Anti-Roll Bar:			+3		
Arm Type:			+2		
Wheelbase Shim:	Steering Plate:		+1	321	
Wheel Hex:	Steering Stop Spacing:				
Steering Block:			<b>D H O</b>		
Caster Block Insert:			Ball St	tud Spacing:	
Bulkhead Type:					
Kick-Up Angle:				321	
Notes:					
				000	
	Caster Block Spacing:			СВА	
Rear Suspension:					
Ride Height:	C Mount:	_		le Height:	
Camber:	Aluminum Brass			0 3 <b>↓</b> +3	
Anti-Roll Bar:			Ŋ <u>, (</u> )   0   ↓.	1 2 4 +2	
Arm Type:				1 2♥ +1	
Tower Type:	00000 000			0 3♥ +0	
Rear Hub Shim:					
Wheel Hex:			Camber Link Sp	acing:	
Shock Mounting Position:			_ 2_	all Stud Spacing 321	_
Front of Arm Rear of Arm	D Mount: Aluminum Brass	-		all Stud Spacing: 321	
Hub Spacing: Fwd Mid Back				911111	
Notes:					
		Hub Insert:		СВА	
				Ball Stud Spacing:	
Electronics:	Drivetrain:	Sho			
Radio: Servo:	Transmission:			Front Rear	
EPA: Throttle: % Brake:	%	Layback: Pisto Stand Up: Huid			
ESC:					
ESC Settings:	Differential:	Ball Diff:	_		
Motor:	Height:	Gear Diff: Limit			
Wind: Timing:	Notes:	Stro		Stroke	
Pinion: Spur:	Slipper Clut		et Length:		
Battery:	Setting:		Offset:		
	5 FWD Pad Type:	2 Pads 3 Pads Note	is:		
Track Info:		Tires:		Body, Weight:	
Size: Small Medium Large		Front Tires:		Body:	—
Surface: Dirt Carpet Astro		Front Compound:		Body Height:	—
Traction:         Low         Medium         High           Moisture:         Dry         Damp         Wet	Very High	Front Insert:			=
	/  Hard Packed	Rear Tires: Rear Compound:		Servo Weights:	-1
Condition: Indoor Outdoor Dusty Bumpy Grooved Smoo		Rear Compound:		Electronic Weights:	╧╢
		Wheel (F/R):		None Aluminum Steel Other	
Notes:		Notes:		Total Vehicle Weight:	븩
Vehicle Comments:					
Notes:					



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