



# INSTRUCTION MANUAL

& REFERENCE GUIDE



### **Welcome to Serpent**

You are now part of the worldwide network of Serpent drivers, which gives you superior technical support and access to many benefits that only Serpent drivers can enjoy.

The Serpent Spyder offers state of the art specifications and leads the way in 1/10 buggy design, using all the knowledge we have gathered since 1980. Continuously pushing the performance envelope, Serpent's engineers have added many new and innovative features that can help take your Serpent Spyder into the winner's circle.

### **INSTRUCTIONS**

Serpent's long tradition of excellence extends to their instruction manuals, and this instruction manual is no exception. The easy-to-follow layout is richly illustrated with 3D-rendered full-color images to make your building experience quick and easy. A default set-up sheet is added to have a good base set-up. Following the instructions will result in a well-built, high-performance racecar that will soon be able to unleash its full potential at the racetrack.

This instruction manual has been divided into sections that will logically lead you through the assembly process of your Serpent Spyder. Follow the assembly steps in the order presented to ensure that no problems occur during assembly. Each step indicates all the fasteners and small



parts used. Bag numbers identify the kit bag(s) that contains the appropriate parts.

### **EXPLODED VIEWS AND PARTS LIST**

The exploded views and parts lists for the Serpent Spyder are included in the back of this manual. The exploded views show all the parts of a particular assembly step along with the Serpent part number. The parts lists indicate the part number and name of each part for easy reference when ordering.

Below you will find some information on safety; read those well before using the car. Also some info on how to use the manual best.

The worldwide network of Serpent drivers, dealers and distributors will help you to get the maximum out of your Serpent Spyder.

Join the free Serpent forum for support, use our social media like Twitter and Facebook to follow all info and meet other Serpent drivers, watch the Serpent Youtube channel for video's, the Serpent Teamblog for racereports around the globe and the Serpent website for all other info and news.

Enjoy racing!

Team Serpent

### SAFETY

Read and take note of the 'Read this First section' before proceeding to assemble the car-kit. This car-kit is intended for persons aged 16 or older.

### **CUSTOMER SERVICE**

Serpent has made a strong effort to make this manual as complete and clear as possible.

Additional info may be published in our website: www.serpent.com or you may ask your dealer or the Serpent distributor for advice, or email Serpent direct: info@serpent.com

The Serpent Facebook, Twitter and Youtube pages give additional means of support and communications.

### **INSTRUCTIONS, HOW TO USE**

The kit includes bags, with bagnumbers, which refer to the same step in the manual. Open only the indicated bag(s) per step and finish that part of the assembly.

Remaining parts will be needed lateron in

the assembly process.

### SETUE

In many assembly steps you mount specific parts that suit the default set-up. We advice to keep the seperate default set-up sheet alongside the manual, during all assembly.

Other finetuning of the set-up, must be done at the track.

# CONTENTS FRONT ASSEMBLY 4 REAR ASSEMBLY 9 BALL DIFF ASSEMBLY 10 TRANSMISSION ASSEMBLY 11 SHOCKS ASSEMBLY 14 FINAL ASSEMBLY 17 REFERENCE GUIDE 18 PARTS LISTS 26

### Read this first!

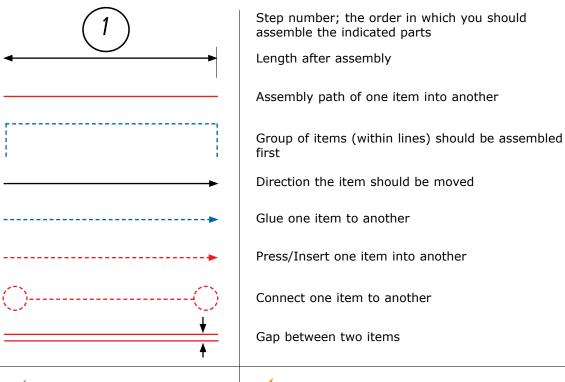
- This is a highly technical hobby product, intended to be used in a safe racing environment. This car is capable of speeds in excess of 80 km/h or 50mph. Please follow these guidelines when building and operating this model.
- Parental guidance is required when the builder/user of this car is under 16.
- Follow the building instructions. If in doubt, contact your dealer or importer.
- Be sure to use the proper tools when assembling the car.
   Always exercise caution when using electric tools, knives and other sharp objects.
- Be careful when using liquids like lubrication oil, fuel or glue.
   Do not swallow.
- Follow the manufacturer's instruction in case you experience irritation after using the product.
- Be careful when operating the car. Stay away from any rotating parts such as wheels, gears and transmission. Stay away from motor, engine and exhaust pipe system or speedo during and immediately after use, as these parts may be very hot. We advise to use protective hand cloves.
- Only operate this car in a safe environment, like a special racing track or a closed parking lot. Avoid using

- this car on public roads, crowded places or near infants.

   Before operating this car, always check the mechanical status of the car. Also check that the transmitter and receiver frequencies correspond and are not used by any other racer at the same time.
- Check that the batteries of the transmitter and receiver are fully charged.
- After use, always check all the mechanics of the car. We advise to clean the car immediately after use, and inspect the parts for wear or fractures. Replace when necessary. Do not use water, methanol, thinner or other solvents to clean the car.
- Empty the fuel tank (depending on model) if needed and disconnect the receiver battery.
- Store the car in a dry and heated place to avoid corrosion
- of metal parts.
- Avoid using this car in wet conditions as the water will cause corrosion on the metal parts and bearings and these parts will cease to function properly.
- If driven in the wet, ensure that all the electric equipment is waterproofed and after use, that all moving parts are dried immediately.

### USING THE MANUAL

Each step contains a variety of numbers, lines, and symbols. The numbers represent the order in which the parts should be assembled. The lines and symbols are described below.





Apply graphite grease (Grey),



Apply threadlock (Blue),

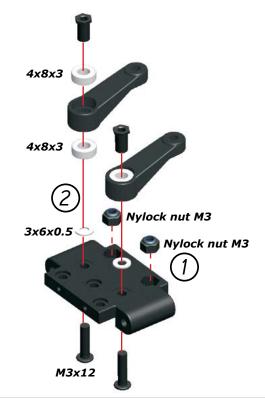


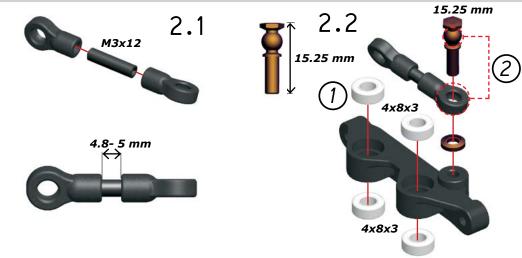
Apply silicone grease (Orange),

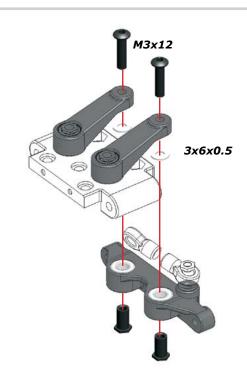


Apply silicone oil,

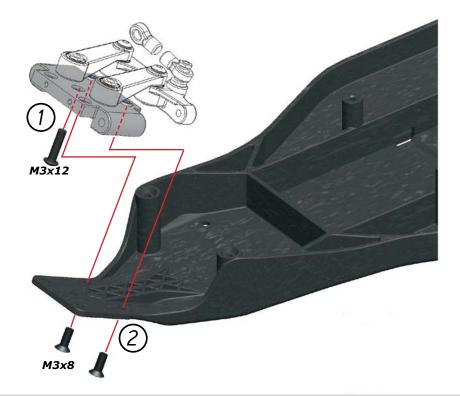
# **FRONT ASSEMBLY**

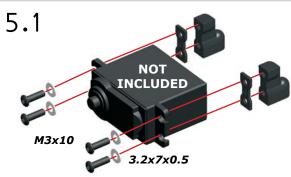


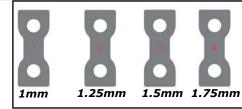




4







Servo Manufacturer	Spacer
Airtronics	1+3+4
Futaba	3+4
Hitec	2
JR	2
KO Propo	1+2
Spektrum	1+2+3

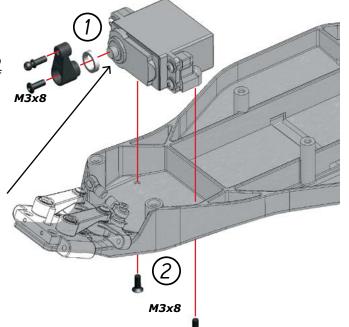
5.2

Use the following servo horns with this brand of servos: 23 - Sanwa / KO / JR 24 - Hitec

25 - Futaba / Hitec

NOTE:

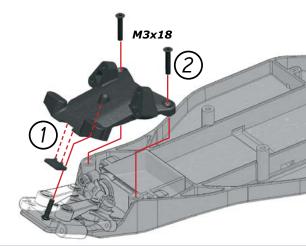
Make sure to put servo in neutral before mounting the steeringlever



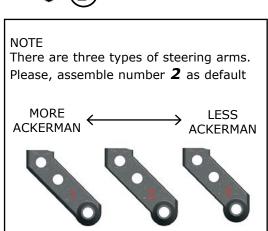


8

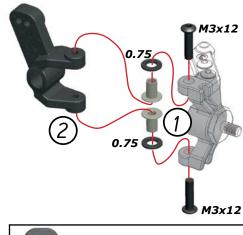
6

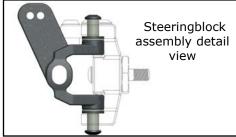


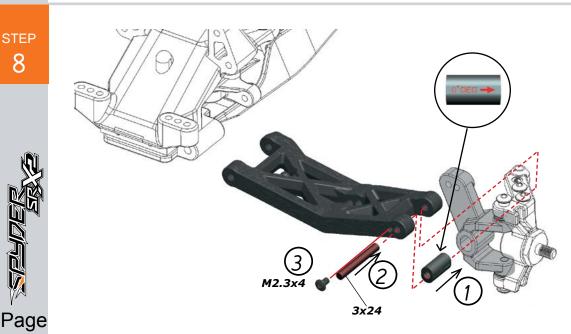
M3x10 7.1 5x10x4



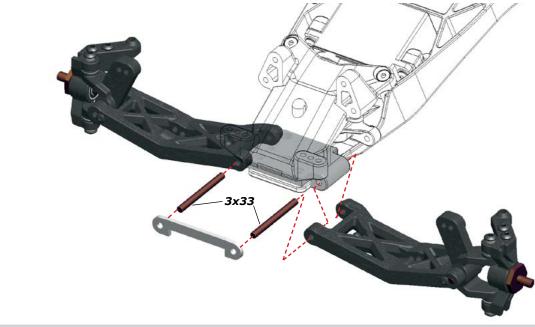
7.2 NOTE Place the caster shims and the bushings in the steering block first. Then slide the assembly onto the casterblock



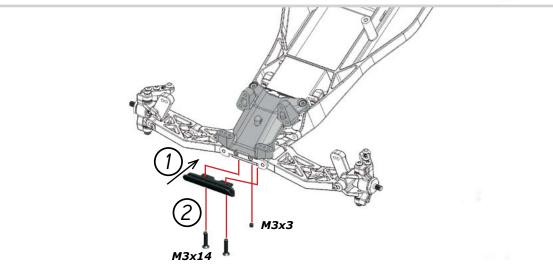




STEP 9



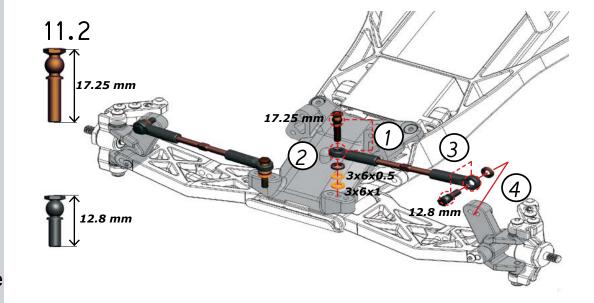
10

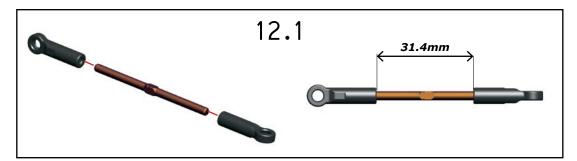


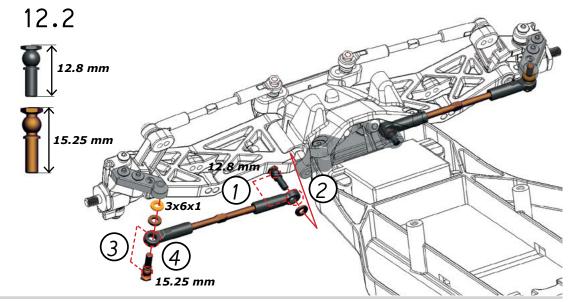
STEP 11

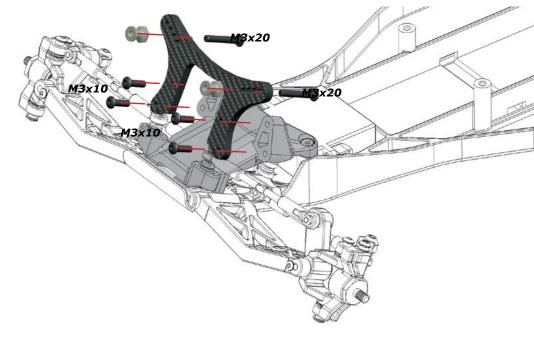


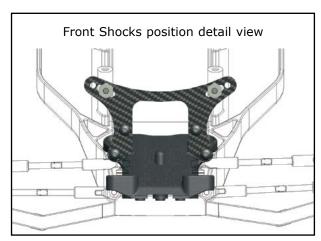
Page







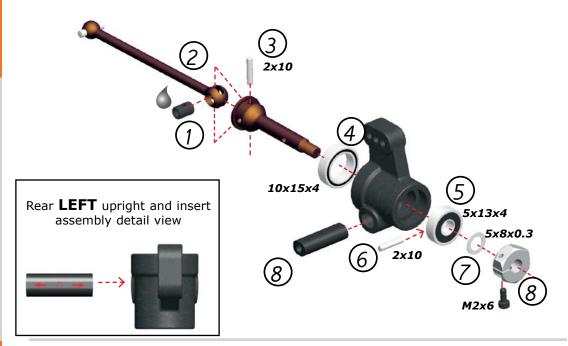


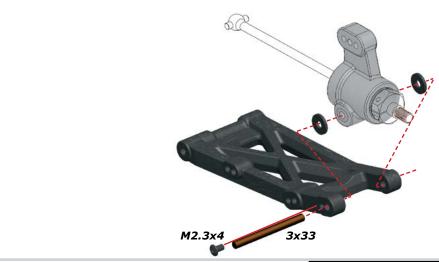


# **REAR ASSEMBLY**

**STEP** 14

Bag 3





16

Front Inserts detail view (use ASSEMBLY CORRECT ORDER: number 2 also in the front block) 1) Introduce the pin in the wishbone 2) Place the rear insert in the rear part of the toe block3) Place the wishbone and pin in the rear toe block
4) Place the inserts in the front toe block 5) Assemble the front toe block. M2.3x4 M3x10 Rear Inserts detail view M3x10

Page

9

Page

STEF **17** 

Bag 4

STEF 18

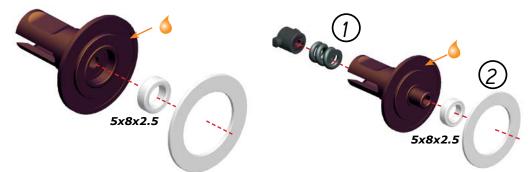
sтег 19

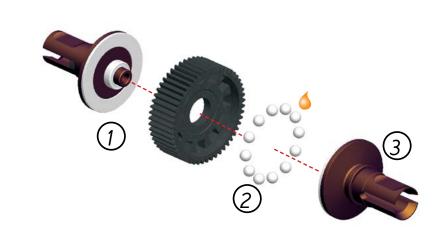
STEP 20

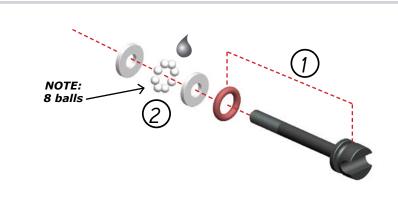
Page

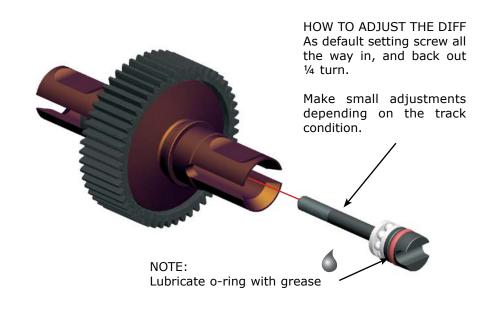
10

# **BALL DIFF ASSEMBLY**





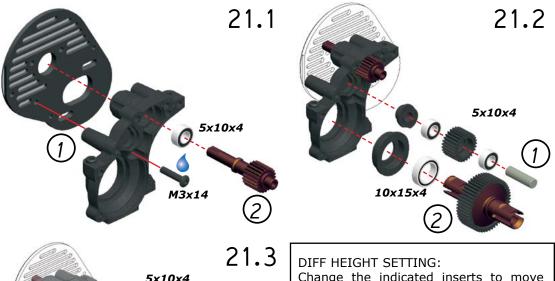


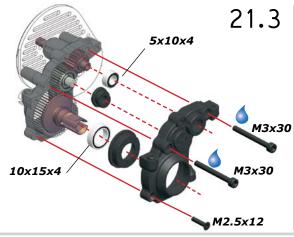


# TRANSMISSION ASSEMBLY

STEР 21

Bag 5

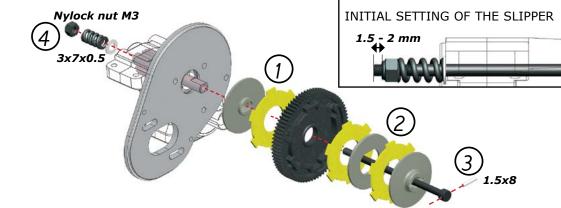




DIFF HEIGHT SETTING:
Change the indicated inserts to move the diff up or down. Adapt the diff and idler insert accordingly.

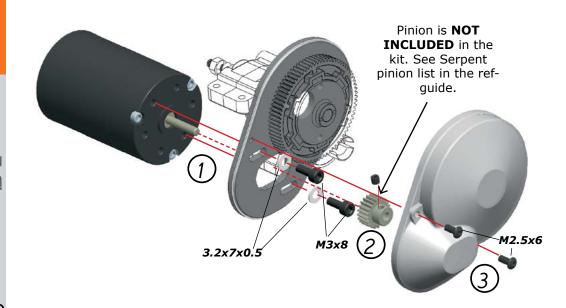


Bag



STEP 23





Page

M3x8 M3x12

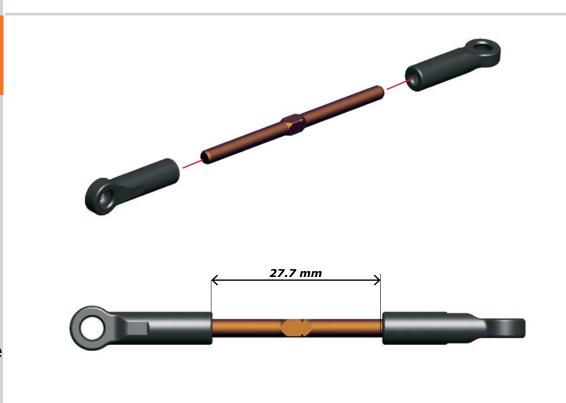
M3x10

25

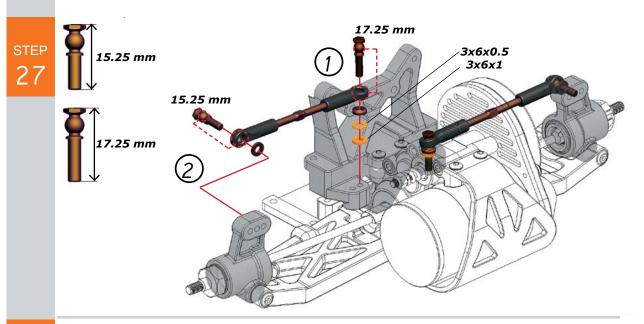
Bag 7

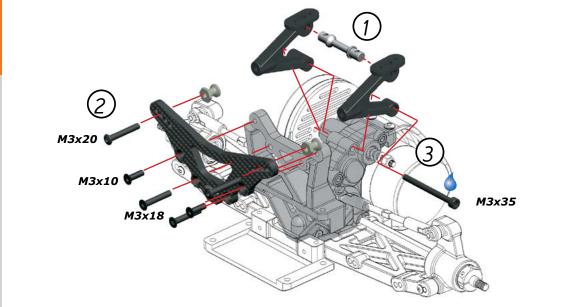
STEP
26



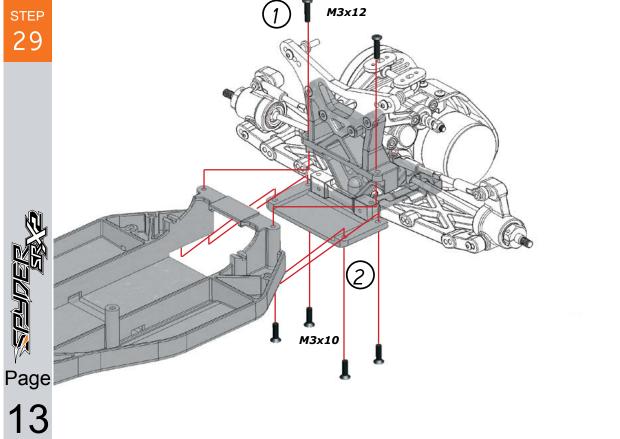


M3x14









30

Bag 8

REAR

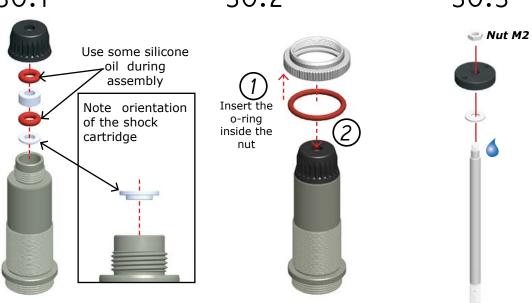
HOCKS

Bag 9

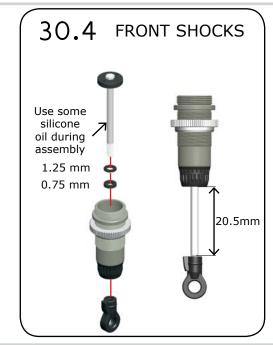
FRONT

HOCKS

SHOCK ABSORBERS ASSEMBLY
30.1 30.2 30.3







30.5

Fill the shockbody with silicone oil fully.

Move the shockrod up and down slowly to let airbubles escape



30.6
Apply the gasket and cap and close fully.

Bleed: push the shockrod all the way in slowly, to allow excessive oil to escape.



30.7

With shockrod fully in, mount the o-ring and screw.



30.8

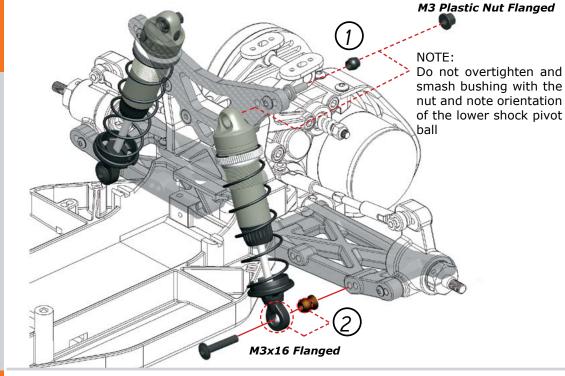
Assemble the spring and spring-cup (align correctly) to complete

the shock.





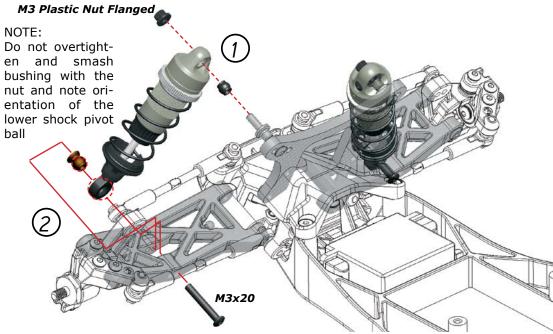
31



32



15



Page

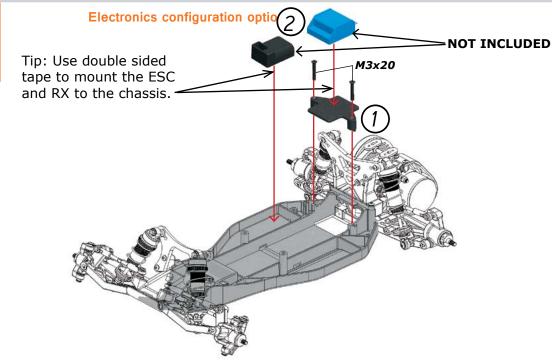
**STEP** 

Bag

**Electronics configuration option A** NOT INCLUDED Tip: Use double sided tape to mount the ESC and RX to the chassis.

**ELECTRONICS ASSEMBLY** 

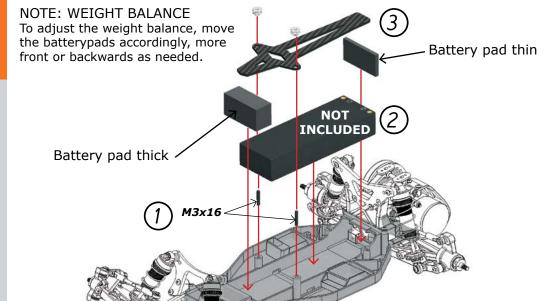
**STEP** 33B





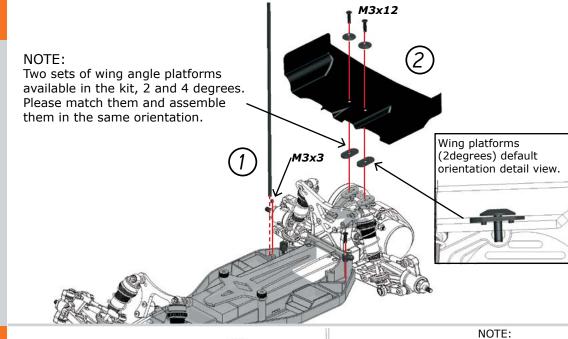


STEP



**STEP** 36

# FINAL ASSEMBLY



- Rims included in the kit

- Rubber tyres

not included in the kit - Be sure to glue your rubber tyres to the wheels using Cyanoacrylate

glue

Nut M4 flanged

STEP 37



BODYSHELL:

1) Apply the masking sheet provided and paint the body on the inside.
2) Cut the body along the provided cuttinglines on the body for a perfect fit. Same for the body mounting

3) Remove the body protection film on the outside of the body.

Apply the provided Serpent and Spyder decals, and mount the body on the bodyposts, with the provided bodyclips.

holes.

# FRONT ASSEMBLY I

# **REF GUIDE:**

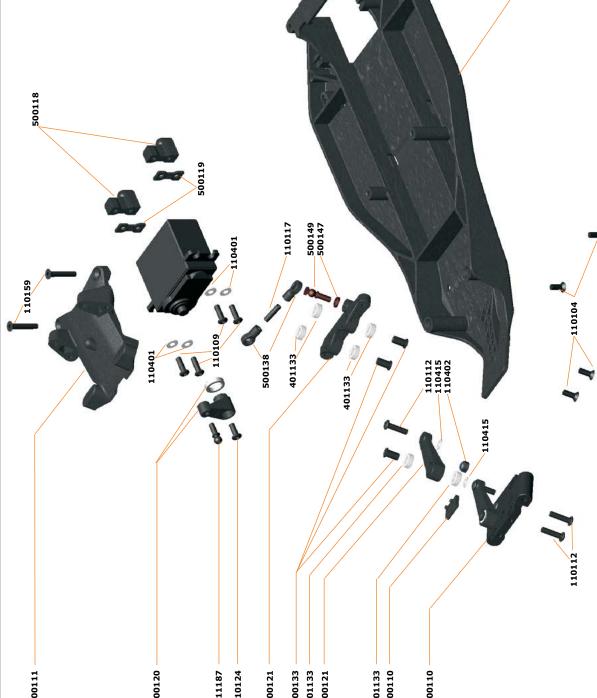
# **EXPLODED VIEWS and PARTS-LIST**

# **Contents**

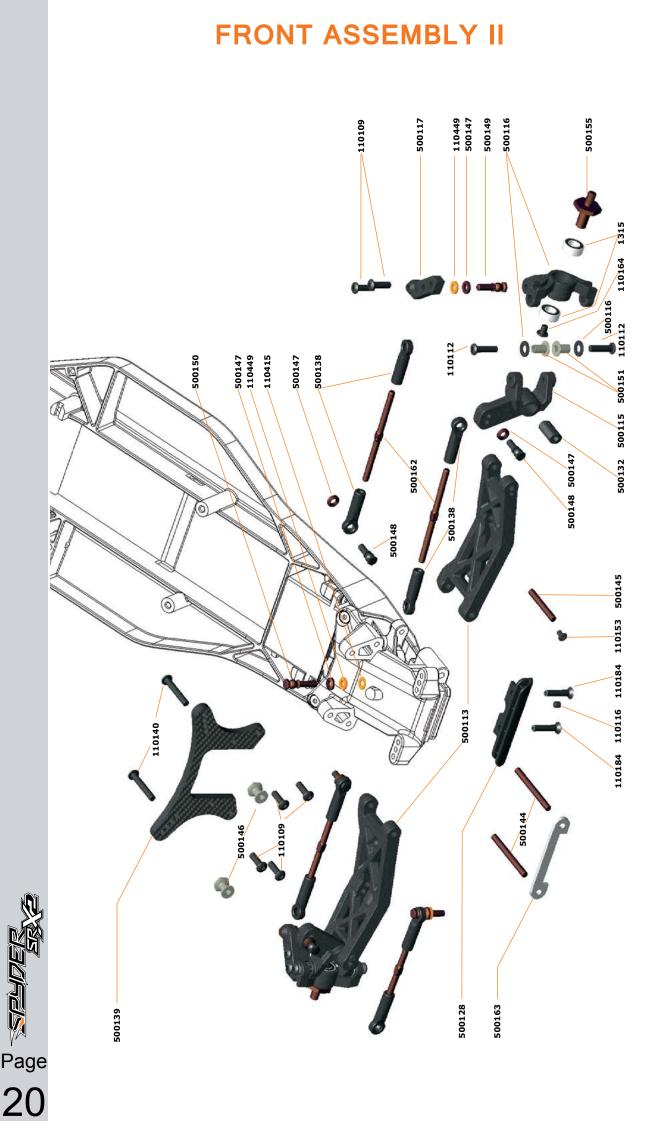
Page

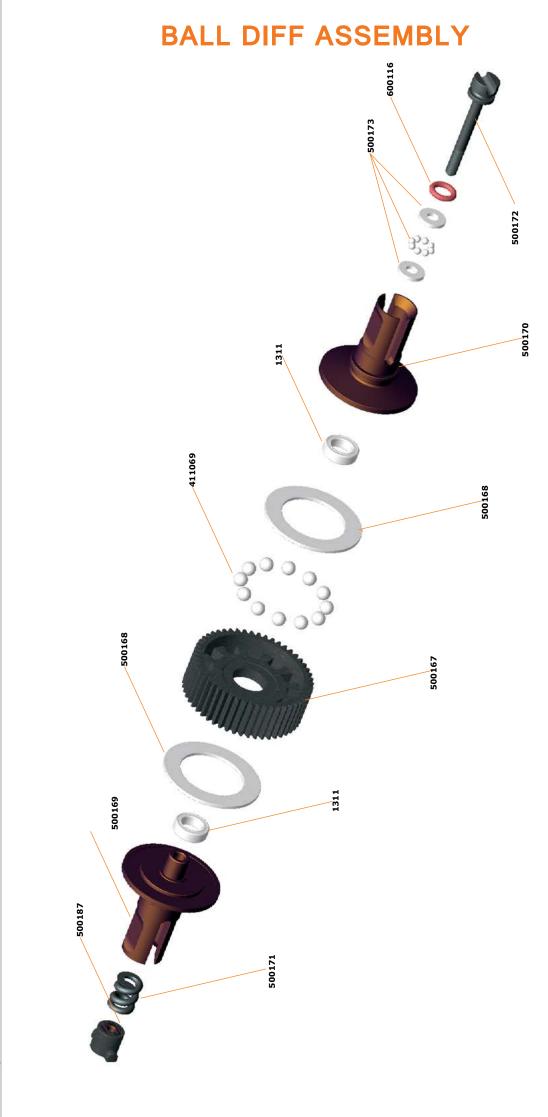
18

FRONT ASSEMBLY I	19
FRONT ASSEMBLY II	20
BALL DIFF ASSEMBLY	21
TRANSMISSION ASSEMBLY	22
REAR ASSEMBLY	23
SHOCKS ASSEMBLY	24
FINAL ASSEMBLY	25
PARTS-LIST	26

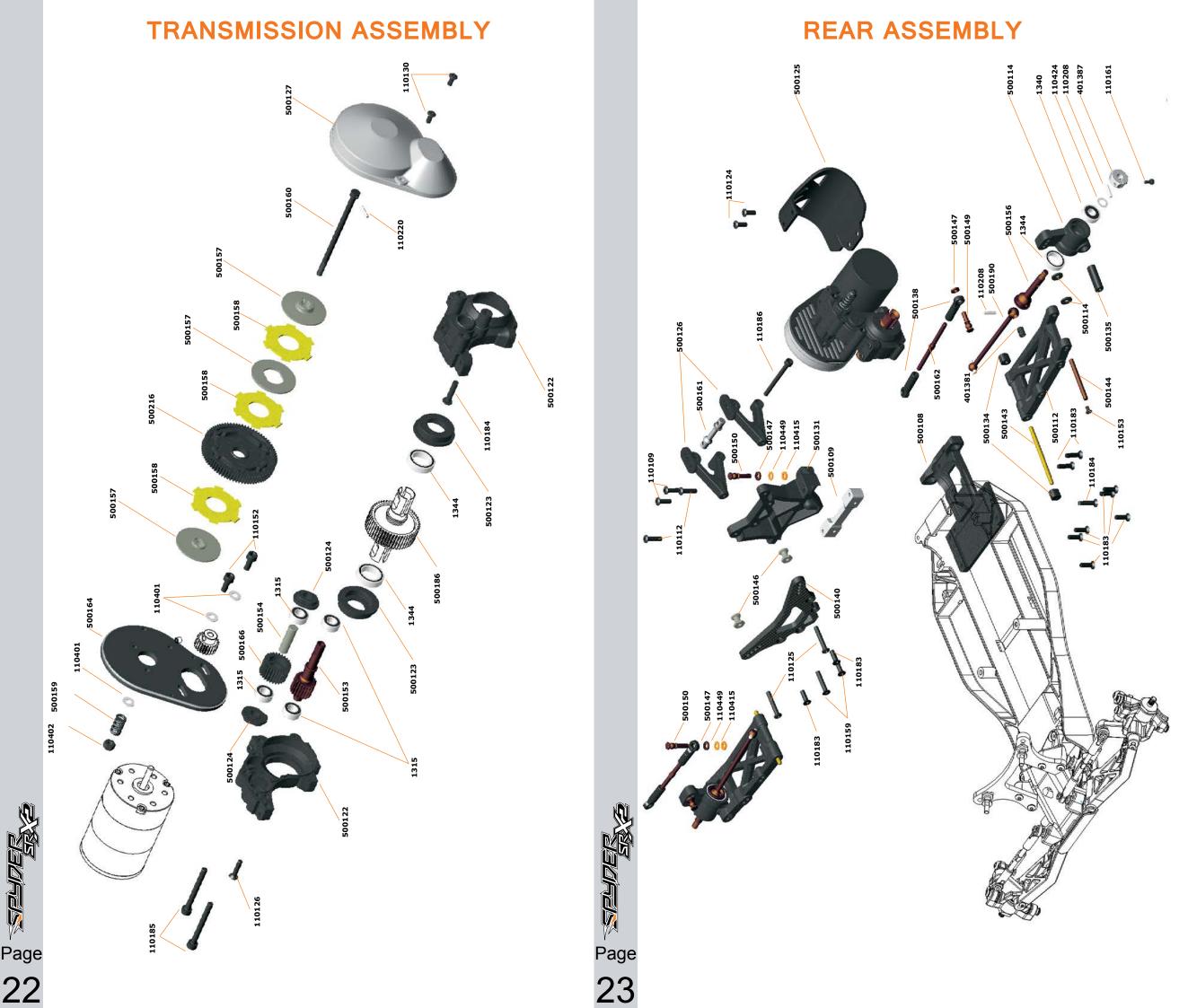


Page





Page



# **SHOCKS ASSEMBLY**



25

# FINAL ASSEMBLY

500152

500181 Front 500182 Rear 500174 Front 500175 Rear 500179 Shock spring silver 2.5lbs fr (2) SRX2
Shock spring black 2.65 fr (2) SRX2
Shock spring orange 2.87lbs fr (2) SRX2
Shock spring pink 3.0lbs fr (2) SRX2
Shock spring plure 3.4lbs fr (2) SRX2
Shock spring purple 3.5lbs fr (2) SRX2
Shock spring green 3.7lbs fr (2) SRX2
Shock spring green 3.7lbs fr (2) SRX2
Shock spring orange 2.0lbs rr (2) SRX2
Shock spring orange 2.0lbs rr (2) SRX2
Shock spring pink 2.2lbs rr (2) SRX3
Shock spring pink 2.2lbs rr (2) SRX3
Shock spring gline 2.3lbs rr (2) SRX3
Shock spring gline 2.3lbs rr (2) SRX3
Shock spring gline 2.3lbs rr (2) SRX2
Shock spring gline 2.3lbs rr (2) SRX2
Shock spring green 2.5lbs rr (2) SRX2 SHOCK SPRINGS
50022 Shock sprii
500224 Shock sprii
500225 Shock sprii
500226 Shock sprii
500227 Shock sprii
500228 Shock sprii
500229 Shock sprii
500230 Shock sprii
500231 Shock sprii
500231 Shock sprii
500232 Shock sprii
500233 Shock sprii

Page

		PAR	[Q_	IST
	Part no	Description		Front bulkhead top SRX2
	500001	Serpent Spyder Buggy SXR-2 RM 2wd		Wishbone fr L+R SRX2
	1/10			C-hub L+R SRX2
				Steeringblock L+R SRX2
	DECALS			Steeringarms L+R (3) SRX2
	1886	Decal serpent black/white 1/10 (2)		Servomount (2) SRX2
	1888	Decal serpent chrome 1/10 (2)		Servomount spacers (8) SRX2
	500102	Decal sheet Spyder black/white (2)	500120	Steeringlever (3) SRX2 Steeringrack (3) SRX2
	RADIO I	NSTALLATION / BATTERY		Front bumper SRX2
	_	Speedcontroler mount SRX2 RM		C-hub insert (6) SRX2
		Batteryplate carbon SRX2 RM		Steeringrack bold (4) SRX2
		Battery plate foam SRX2 RM		Balljoint set (14) SRX2
		Battery plate nut (4) SRX2		Shocktower fr SRX2
		Battery case inserts foam (6) SRX2 RM	500145	Hinge pin fr inner / rr outer (2) SRX2 Hinge pin fr outer (2) SRX2
		SAVER AND STEERING		Shock mount (4) SRX2
		Steeringarms L+R (3) SRX2		Pivotball shim conical (10) SRX2
		Servomount (2) SRX2 Servomount spacers (8) SRX2		Pivotball with shaft low (4) SRX2 Pivotball with shaft med (5) SRX2
		Steeringlever (3) SRX2		Pivotball with shaft high (4) SRX2
		Steeringlever (3) SRX2 Steeringrack (3) SRX2		Casterblock bushing (4) SRX2
	550121	5.55g. doi: (0) 01012		Wheel axle fr (2) SRX2
	Optiona	Is		Track rod M3x50 (2) SRX2
		Servomount alu (2) SRX2		Hinge pin brace 25 deg fr SRX2
		Steeringrack alu (3) SRX2		-
	a		Optiona	
		ABSORBERS (44) OBYO		Front wing set SRX2
		Shock parts frame (44) SRX2		Antiroll bar set fr SRX2
		Nut nylon M3 flanged (8) Pivotball shock (4) SRX2		Pivotball with shaft short (4) SRX2 Front bulkhead inserts alu (6) SRX2
		Shock body fr (2) SRX2		Pivot pin brace 20 deg fr SRX2
		Shock body rr (2) SRX2		Pivot pin brace 30 deg fr SRX2
		Shock top (2) SRX2		Antiroll bar fr 0.9 SRX2
		Shock cartridge spacer (4) SRX2		Antiroll bar fr 1.0 SRX2
		Shock cartridge spacer stepped (4) SRX2		Antiroll bar fr 1.1 SRX2
		Shock top gasket (4) SRX2		C-hub L+R alu SRX2
		Shock shaft fr (2) SRX2	500241	Front wing SRX2
		Shock shaft rr (2) SRX2		Front bulkhead alu SRX2
		Shock adjust nut / oring (2) SRX2		Front bulkhead brass SRX2
		Shock bleeding oring (4) SRX2 Shock oring bottom (4) SRX2	500258	Antirollbar balljoints (2+2) SRX2
		(1) (1)	MIDDLE	SECTION
	OPTION	_		Speedcontroler mount SRX2 RM
		Shock membrame (4) SRX2		Bodymount (2) SRX2 RM
		Shock top bushing delrin (4) SRX2		Batteryplate carbon SRX2 RM
	500201			Battery plate foam SRX2 RM Battery plate nut (4) SRX2
	500202 500238		500188	
	500238		550100	Dattory Guod moorto loam (b) OTAZ M
	500240	Shock piston conical 4 holes (4) SRX4	REAR S	ECTION
				Wheelhexagon (2)
	SPRING			Skidplate SRX2 RM
		Shock spring silver 2.5lbs fr (2) SRX2		Suspension bracket rr fr SRX2 RM
		Shock spring black 2.65 fr (2) SRX2		Wishbone rr L+R SRX2 RM
	500224 500225		500114	. •
	500225	. •	500126	Wingmount-set SRX2 RM Rear bulkhead SRX2 RM
	500227		500131	
	500228		500135	
	500229	Shock spring green 3.7lbs fr (2) SRX2	500140	Shocktower rr SRX2 RM
	500230			Shock mount (4) SRX2
	500231		500147	` ,
	500232			Pivotball with shaft med (5) SRX2
	500233			Pivotball with shaft high (4) SRX2
Ŕ	500234 500235			Wing brace alu SRX2 Track rod M3x50 (2) SRX2
	555255	550k 5pming groom 2.005 m (2) 510/2		Rear wing 6.5" SRX2
<b>Y</b>	FRONT	SECTION	555165	. toda ming old of the
γ, ,	411187	Pivotball with shaft (2)	Optiona	
Page		Front bulkhead-insert SRX2	500195	Antiroll bar set rr SRX2 RM

RM		
		Pa

500196	Upright L+R alu SRX2	120163	Motor-pinion alu hard 48P / 25T
	Pivotball with shaft short (4) SRX2	120164	•
500205	Antiroll bar rr 1.1 SRX2 RM	120165	Motor-pinion alu hard 48P / 27T
	Antiroll bar rr 1.3 SRX2 RM		Motor-pinion alu hard 48P / 28T
	Antiroll bar rr 1.5 SRX2 RM	120167	•
	Wheelhexagon +0.75mm offset (2)	120168	Motor-pinion alu hard 48P / 30T
	Wheelhexagon -0.75mm offset (2)	DALL D	FARMOS
500244	9		EARINGS
500245 500251	Suspension bracket rr fr brass SRX2 RM Rear wing 6.0" SRX2	1340 1311	Ball-bearing 5x13 hs (2) Ballbearing 5x8x2.5 (2)
500251	<u> </u>	1315	Ballbearing 5x10x4 (2)
500255	•	1344	Ball-bearing 10x15x4 hs (2)
	Antirollbar balljoints (2+2) SRX2		Ballbearing 4x8 (2)
	, , ,		Balldiff thrustbearing SRX2
TRANSI	MISION		-
411069	Differential balls steel 1/8" (12)	TOOLS	
	Transmissioncase SRX2 RM	190506	\ 1 <i>/</i>
	Diffheight insert (4) SRX2	190507	Toolset for ep (16pcs) with tools bag
	Transmissioncase insert (6) SRX2 RM	190508	Toolset for offroad (20pcs) with tools bag
500125	•		Allen wrench 1.5 x 120mm
			Allen wrench 2.0 x 120mm Allen wrench 2.5 x 120mm
500153	Top shaft 21T SRX2 Idler gear shaft SRX2		Allen wrench 3.0 x 120mm
500157	Slipper plate alu (3) SRX2		Ball driver hex wrench 2.0 x 120mm
500158			Ball driver hex wrench 2.5 x 120mm
500159			Ball driver hex wrench 3.0 x 120mm
500160	The state of the s		Tool tip allen wrench 1.5 x 120mm
500164	Motor plate SRX2 RM	190517	
500166	Idler gear 27T SRX2	190518	Tool tip allen wrench 2.5 x 120mm
500167	Diff pully balldiff 51T (1) SRX2	190519	Tool tip allen wrench 3.0 x 120mm
	Diff ring balldiff (2) SRX2	190520	Tool tip ball driver hex wrench 2.0 x
	Balldiff outdrive male SRX2	120mm	
	Balldiff outdrive female SRX2		Tool tip ball driver hex wrench 2.5 x 120mm
500171	,	190522	Tool tip ball driver hex wrench 3.0 x
	Balldiff bolt (2) SRX2	120mm	Turnhuoklo wrongh 2mm
	Balldiff thrustbearing SRX2 Balldiff set SRX2		Turnbuckle wrench 3mm Turnbuckle wrench 4mm
300100	Ballulli Set OlOC		Turnbuckle wrench 5mm
OPTION	ALS		Flat head screwdriver 3.0 x 150mm
	Diff balls. 1/8 ceramic (12)	190527	
	Geardiff set SRX2	190528	Phillips screwdriver 2.0 x 45mm
500242	Slipper plates vented alu (3) SRX2	190529	Phillips screwdriver 3.5 x 120mm
500246	Geardiff gears 14T(4)+28T(2) SRX2	190530	•
500247	Diff pin 14T (2) SRX2	190539	
500248	Geardiff o-ring (4) SRX2	190531	Nut driver 5.0 x 100mm
500249	Geardiff outdrive (2) SRX2		Nut driver 5.5 x 100mm
500253	Geardiff cap L+R SRX2		Nut driver 7.0 x 100mm
500254 500256	Geardiff housing 51T SRX2 Thrustbearing carbide balldiff SRX2	190534	Reamer with end cap for lexan body
500257	Geardiff nut (4) SRX2	FASTNE	:RS
500260	Idler gear 27T alu SRX2	110101	Screw allen countersunk m4x8 (10)
	900	110102	Screw allen countersunk m4x10 (10)
SPURGE	EAR	110103	Screw allen countersunk m4x16 (10)
500213	Spur gear 70T SRX2	110104	Screw allen countersunk m3x8 (10)
500214	Spur gear 72T SRX2	110105	Screw allen countersunk m4x12 (10)
	Spur gear 76T SRX2	110106	Screw allen flanged roundhead m5x12
	Spur gear 78T SRX2	(10)	
	Spur gear 80T SRX2	110107	Screw allen cilinderhead m3x16 (10)
500218		110108	Screw allen roundhead m3x6 (10)
500219	. •	110109	Screw allen roundhead m3x10 (10)
500220	Spur gear 86T SRX2	110110	Screw allen roundhead m3x16 (10)
500221	Spur gear 88T SRX2	110111 110112	Screw allen roundhead m3x14 (10) Screw allen roundhead m3x12 (10)
PINIONS		110112	Screw allen roundhead m3x12 (10) Screw allen roundhead m4x8 (10)
120156	Motor-pinion alu hard 48P / 18T	110113	Setscrew allen m3x8 (10)
120150	Motor-pinion alu hard 48P / 19T	110115	Setscrew allen m3x4 (10)
120158	Motor-pinion alu hard 48P / 20T	110116	Setscrew allen m3x3 (10)
120159	Motor-pinion alu hard 48P / 21T	110117	Setscrew allen m3x12 (10)
120160	Motor-pinion alu hard 48P / 22T	110118	Setscrew allen m4x4 (10)
120161	Motor-pinion alu hard 48P / 23T	110119	Setscrew allen m4x6 (10)
120162	Motor-pinion alu hard 48P / 24T	110120	Setscrew allen m4x10 (10)

110121	Setscrew allen m5x6 (10)	110182	Screw allen roundhead M2x4 (10)
110122			Screw allen countersunk M3x10 (10)
110123			Screw allen countersunk M3x14 (10)
110124			Screw allen cilinderhead M3x30 (10)
110125	` ,		Screw allen cilinderhead M3x35 (10)
110126	( )		Setscrew allen M3x16 (10)
110127	` ,		Pin 2.5x8 (10)
110128	Screw allen roundhead m3x5 (10)	110201	Pin 3x12 (10)
110129	Screw allen cilinderhead m3x10 (10)	110202	Pin 5x5 (10)
110130			Pin 3x14 (10)
110131			Pin 3x20 (10)
110132	,		Pin 3x22 (10)
	• • •		
110133	Screw philipshead countersunk 2.5x8		Pin 2.5x22 (10)
wide (1			Pin 2.5x12 (10)
110134	Screw philipshead countersunk 2.5x10	110208	Pin nra 2x9.8 (4)
wide (1	0)	110209	Pin nra 2x18 (4)
110135	Screw allen countersunk M2.5x10 (10)	110210	Pin 3x13 (10)
110136	Screw allen countersunk M2.5x8 (10)	110211	Pin 2.5x13 (10)
	Setscrew allen M3x6 (10)	110212	
	Screw allen countersunk M4x14 (10)	110213	
	` ,		
	Screw allen countersunk M3x40 (10)	110214	
	Screw allen roundhead M3x20 (10)	110215	` ,
	Screw allen roundhead M3x22 (10)	110216	
110142	Screw allen roundhead M3x25 (10)	110217	
110143	Screw allen roundhead M4x18 (10)	110218	Pin 3x10 (10)
110144	Screw allen roundhead M3x18 (10)	110219	Pin 2x14 (10)
110145	Screw allen roundhead flanged M3x12	110220	
(10)	coron anon roundhoud hanged mox12	110300	E-clip 2.3 (10)
110146	Screw allen roundhead flanged M3x16	110301	
	Screw alleri Touriurieau Ilarigeu Wisk To		
(10)		110302	E-clip 4.0 (10)
	Screw ph roundhead M2.5x5 (10)	110303	E-clip 5.0 (10)
110148	Setscrew allen M5x4 (10)	110304	E-clip 7.0 (10)
110149	Screw allen countersink M2x10 (10)	110305	Seger clip 12x1.0 (10)
	Screw M6x12 nylon black (2)	110306	E-clip 6.0 (10)
	Screw allen cilinderhead M4x10 (10)	110307	
	Screw allen cilinderhead M3x8 (10)	110400	
	Screw allen roundhead M2.3x4(10)	110401	
			` ,
	Setscrew allen M3x10 (10)	110402	, ,
	Setscrew allen M3x5 (10)	110403	• • • • • • • • • • • • • • • • • • • •
110156	Screw allen countersunk M2.2x6 (10)	110404	Shim 6x8x0.3 (10)
110157	Screw allen countersunk M3x5 (10)	110405	Nut nylock M4 flanged (10)
110158	Screw allen countersunk M3x15 (10)	110406	Nut nylock M2.2 (10)
110159	Screw allen countersunk M3x18 (10)	110407	
	Screw allen cilinderhead M2.2x12 (10)	110408	
	Screw allen cilinderhead M2x6 (10)	110409	• •
	Setscrew allen M3x2.5 (10)		
	• •	110410	· ·
	Setscrew allen M3x2 (10)	110411	· ·
	Screw allen roundhead M3x4 (10)	110412	` ,
	Screw allen cilinderhead M2x5 (10)	110413	` ,
110166	Screw allen countersunk M2.5x5 (10)	110414	Shim 3X6X0.1 (10)
110167	Screw allen roundhead flanged M3x18	110415	Shim 3X6X0.5 (10)
(10)	•	110416	Shim 3X6X0.8 (10)
	Screw allen roundhead flanged M3.5x10	110417	` ,
(10)	colow allon roundhead hanged we.exte	110418	` ,
	Screw allen roundhead flanged M4x10		
110169	Screw alleri roundhead hanged 1914x 10	110419	` ,
(10)		110420	• •
110170	Screw allen roundhead flanged M3x28	110421	• •
(10)		110422	Shim 4X10X0.3 (10)
110171	Screw ph roundhead widethread 2.5x6	110423	Shim 5X8X0.1 (10)
(10)	·	110424	Shim 5X8X0.3 (10)
	Screw allen roundhead flanged M3X6 (10)	110425	
	Screw ph countersunk widethread 2.5x12	110426	Shim 5X10X0.5 (10)
	Corow pir Counterbuilt widelilleau 2.3X12		` ,
(10)	Carery allen acrysta acrysta NAA O (40)	110427	` ,
	Screw allen countersunk M4x6 (10)	110428	
	Screw allen cilinderhead M3x40 (10)	110429	
	Screw allen cilinderhead M3x18 (10)	110431	• •
110177	Screw allen roundhead M4x12 (10)	110432	Shim 8X11X0.2 (10)
	Screw allen cilinderhead M3x14 (10)	110433	• •
	Screw allen roundhead M2.5x8 (10)	110434	, ,
	Setscrew allen M5x10 (10)	110435	` ,
	Screw M5x10 + Nut nylon black (4+4)	110436	Shim 3x5x3 (10)
110101	Colow Mox 10 . Nut Hyloli black (414)	110700	Chilli Oxoxo (10)

Page

```
110437 Nut M2.5 (10)
110438 Shim 2.5x6x0.5 (10)
110439 Shim 3x7.5x1 (10)
110440 Shim 2.5x5x0.4 (10)
110441 Nut nylock M3 flanged (10)
110442 Shim 4x8x0.6 (10)
110443 Shim 5x15x0.2 (10)
110444 Nut M4 nylon (10)
110445 Shim 4x10x0.2 (10)
110446 Shim 5x15x0.2 (10)
110447 Shim 3x7x7 (10)
110448 Shim 3x6x6 (10)
110449 Shim 3x6x1 (10)
110450 Nut M2 (10)
110451 Nylock nut M4 flanged alu (10)
110452 Nut M4 flanged knurled (10)
```

### **MERCHANDISING**

```
1896 Cap serpent black-orange
190172 Winter jacket Serpent black-orange hooded (M)
190173 Winter jacket Serpent black-orange hooded (L)
190174 Winter jacket Serpent black-orange hooded (XL)
190175 Winter jacket Serpent black-orange hooded (2XL)
190176 Winter jacket Serpent black-orange hooded (3XL)
190208 Winter jacket Serpent black-orange hooded (4XL)
190182 T-shirt Serpent Splash white (S)
190183 T-shirt Serpent Splash white (M)
190184 T-shirt Serpent Splash white (L)
190185 T-shirt Serpent Splash white (XL)
190186 T-shirt Serpent Splash white (XXL)
190187 T-shirt Serpent Splash white (XXXL)
190188 T-shirt Serpent Splash orange (S)
190189 T-shirt Serpent Splash orange (M)
190190 T-shirt Serpent Splash orange (L)
190191 T-shirt Serpent Splash orange (XL)
190192 T-shirt Serpent Splash orange (XXL)
190193 T-shirt Serpent Splash orange (XXXL)
190194 T-shirt Serpent Splash black (S)
190195 T-shirt Serpent Splash black (M)
190196 T-shirt Serpent Splash black (L)
190197 T-shirt Serpent Splash black (XL)
190198 T-shirt Serpent Splash black (XXL)
190199 T-shirt Serpent Splash black (XXXL)
190201 Hoody sweater Serpent black-zip (S)
190202 Hoody sweater Serpent black-zip (M)
190203 Hoody sweater Serpent black-zip (L)
190204 Hoody sweater Serpent black-zip (XL)
190205 Hoody sweater Serpent black-zip (2XL)
190206 Hoody sweater Serpent black-zip (3XL)
190207 Hoody sweater Serpent black-zip (4XL))
190502 Pit-bag medium. 3 drawers
```



NEW:	S / NOTES	3		
<u> </u>				

_		
_		
_		
_		
_		
ge <b>1</b>		
7.0		





