



FFFV4

DOLPHIN

1/10 ELECTRIC 2WD CAR KIT
Instruction Manual





INTRODUCTION:

MTS-FFV4 PRO is a professional 1:10 front wheel drive car and should be built by aged 14 years or over or that they had experience building and operating R/C model cars before. This is not a toy intended for use by beginners or by children without any supervision of a knowledgeable adult. Please read the instruction manual carefully before building.

Race opt should not be liable for any loss, in jury or damages, whether direct, indirect, special, incidental, consequential, arising from the use, misuse, abuse of this product or accessories required to operate this product.

WARNINGS:

- ⦿ This product is not intended for those ages under 14 year without any adult supervision.
- ⦿ Assemble this kit only in places away from the reach of children.
- ⦿ Pay attention to the safe use of tools and sharp tools, and pay attention to some parts with sharp edges when building vehicles.
- ⦿ Please do not touch any electronic equipment on the model such as motor and speed controller that having higher temperatures after the operation . Otherwise , it may burn yourself seriously by touching them . Better to allow 10 ~ 15minutes to let any electronic equipment cool down.
- ⦿ Please complete a successful pre-run check of your radio equipment and model before the run . Make sure to keep the wheels of the model off the ground when checking the operation of the radio equipment .
- ⦿ When on the model , please always turn on the transmitter before turn on the receiver in the car . When off the model please always turn off the receiver before turn off the transmitter . Otherwise , the model may become uncontrollable and cause serious damage.
- ⦿ Disconnect the battery pack before storing your model.
- ⦿ Do not get overcharge for the battery or leave battery unattended while charging . Never let children charge the battery without adult supervision
- ⦿ Do not operate it on public places , roads or areas where its operation can conflict with or disrupt pedestrian or vehicular traffic.
- ⦿ Do not use your model as shown below :

In places where children and people gather	In rain , wind snow or darkness condition
In areas where loud noises can disturb others	At anytime your line of sight to the model may be obstructed or Impaired In any way

Electrical Precautions:

- ⊙ Please do not allow any metal part to short circuit the battery or any electronic part using inside the car kit.
 - ⊙ Never put batteries into fire.
 - ⊙ Use the recommended charger for the transmitter battery and battery for electronic speed control.
- Please follow the charging instructions carefully . Please do not over charge the battery or choose the wrong charging mode .
- It becomes dangerous that causes the explosion and lead to the fire . If battery becomes extremely hot during the charging , please seek the advice from or get replacement from the corresponding battery supplier.
- ⊙ Please unplug charger when not in use.
 - ⊙ When not using RC model , please always disconnect and remove the battery.
 - ⊙ Low battery may result in loss of control . Please stop running the car at once when you find its speed start to slow down.
 - ⊙ After use the battery , the battery remains heat and please recharges it after the battery is cool down.
 - ⊙ Never use damaged wires that are dangerous and cause short circuits and may lead to the fire.

Other Equipment Needed (not included):

Radio transmitter & receiver	Battery for transmitter
Electronic speed control	Steering Servo
540 Type brushes or brushless motor	Pinion Gear (48pitch/64pitch)
190mm body shell	7.4V Nimh or Lipo Battery
Touring Car Tire set	Battery charger

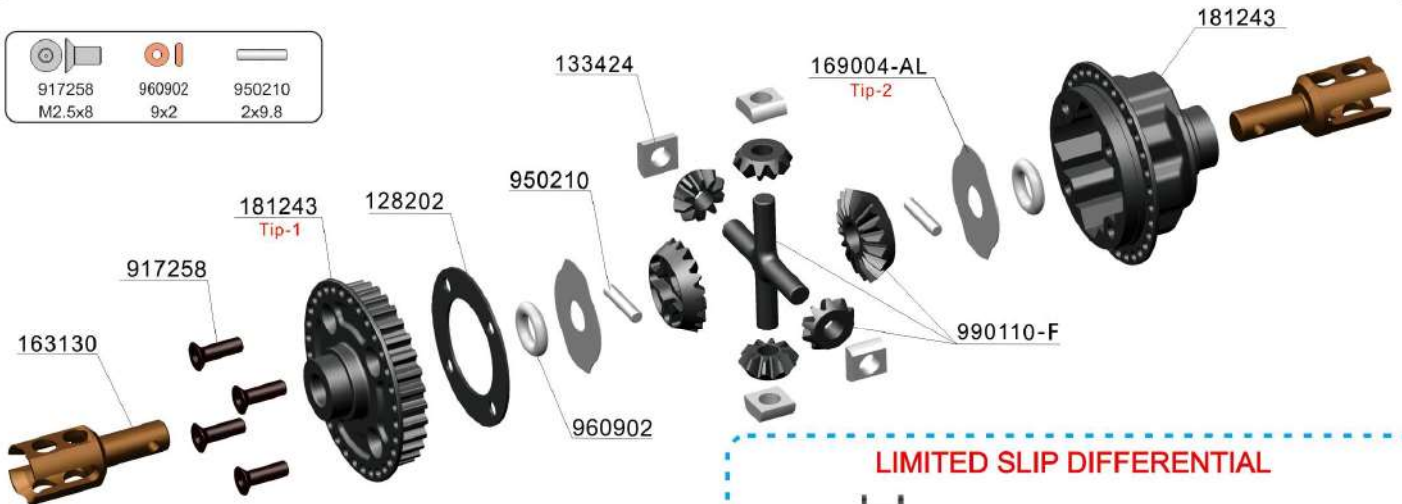
Tools Needed (not included):

1.5mm, 2.0mm, 2.5mm, 3.0mm allen wrench	5.0mm, 5.5mm, 7.0mm hex socket wrench
Modelers craft knife	Turnbuckle wrench
Calipers/Ruler	Camber gauge
Instant glue/Thread lock glue	Shock and Diff Oil
Thrust, Diff and Joint grease	Paint for body shell

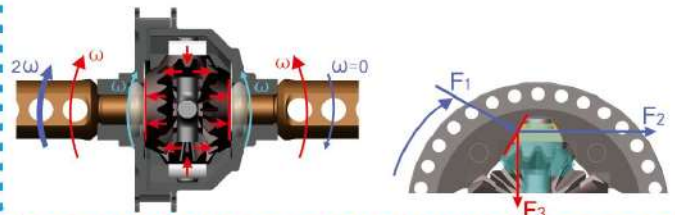
Notes: All replacement parts can be found from www.race-opt.com/www.sn-rc.com and can be purchased from local hobby shop. If any further information needed, please email to enquiry@rc-explorer.com.

FFV4

		
917258 M2.5x8	960902 9x2	950210 2x9.8



LIMITED SLIP DIFFERENTIAL



Tip-1 BELT PULLEY

181243-AL
ALU MINIMUM (32T)



Tip-2 ANTI-SLIP WASHER

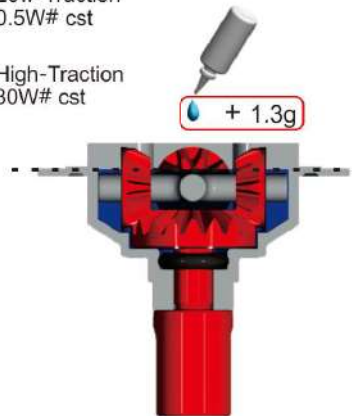
169004-AL	ALU MINIMUM (26, 0.4mm)
169005-AL	ALU MINIMUM (26, 0.5mm)
169004-F	SUS MINIMUM (26, 0.4mm)
169005-F	SUS MINIMUM (26, 0.5mm)

163130	UNIVERSAL CVD DRIVE SHAFT-SPRING STEEL10x3.1 S2
181243	COMPOSITE GEAR DIFF CASE & PULLEY COVER (32T)
128202	DIFF GASKET26mm
133424	GEAR DIFF ANTI-SLIP PLATE
990110-F	PLANETARY GEAR SET-STEEL
169004-AL	ALUMINIUM ANTI-SLIP WASHER (26, 0.4MM)



Low-Traction
0.5W# cst

High-Traction
30W# cst



Add 1.3g of oil the diff.




951509 1.5x9

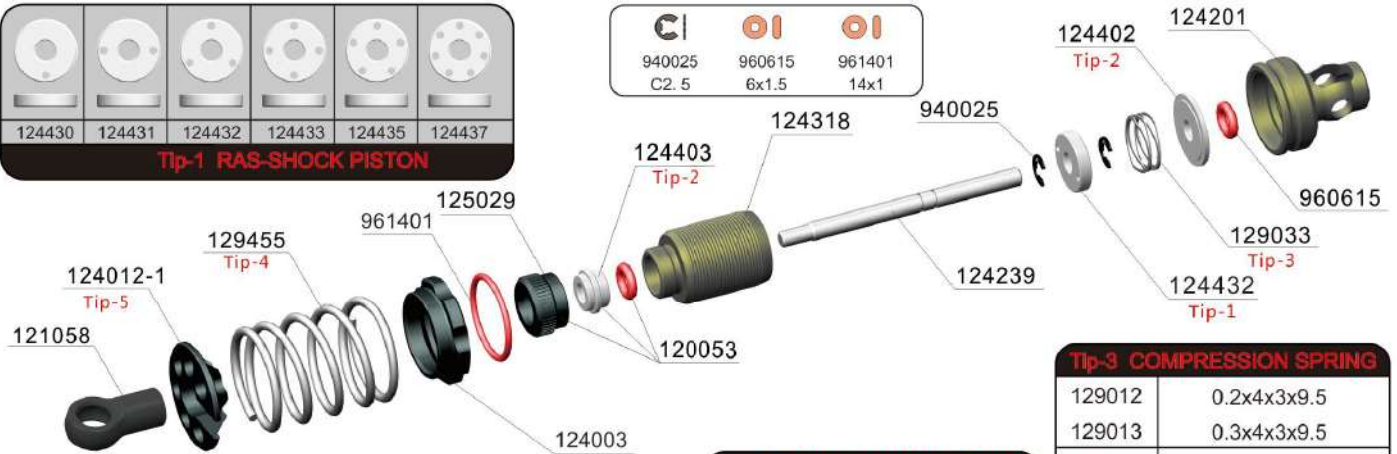


115531	THREE SECTION UNIVERSAL DRIVE SHAFT AXLE (SPRING STEEL)
115405	THREE SECTION UNIVERSAL DRIVE SHAFT CROSS JOINT3.5x5.2mm
115910	THREE SECTION UNIVERSAL DRIVE SHAFT JOINT HOUSING (SPRING STEEL)
150410	THREE SECTION UNIVERSAL DRIVE SHAFT JOINT HOUSING C-CLIP
112038	38MM THREE SECTION UNIVERSAL DRIVE SHAFT (SPRING STEEL)- 3mm PIN

FFV4



C	O	O
940025	960615	961401
C2. 5	6x1.5	14x1



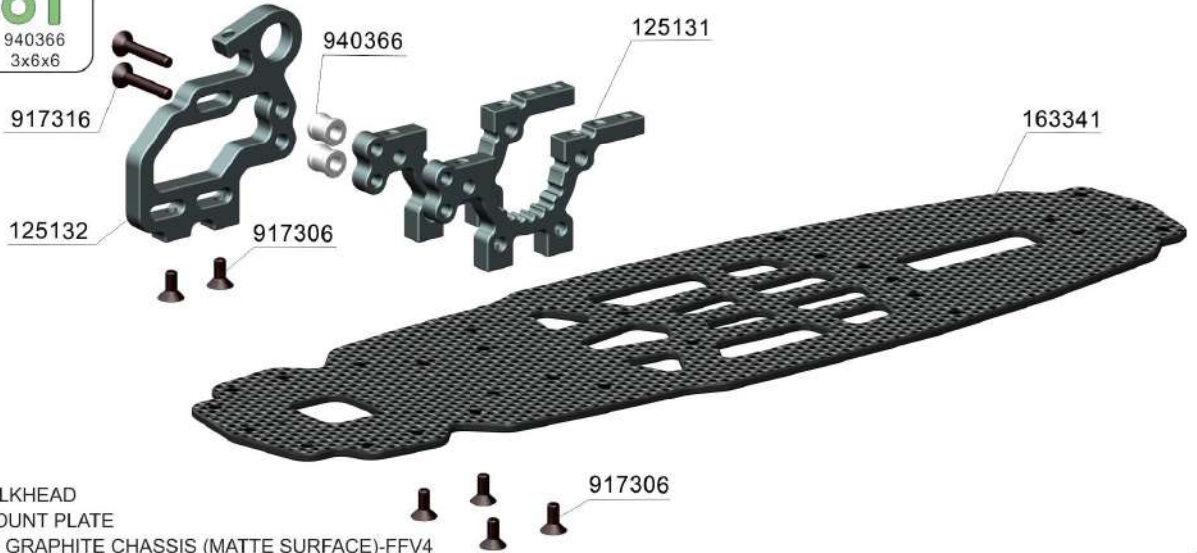
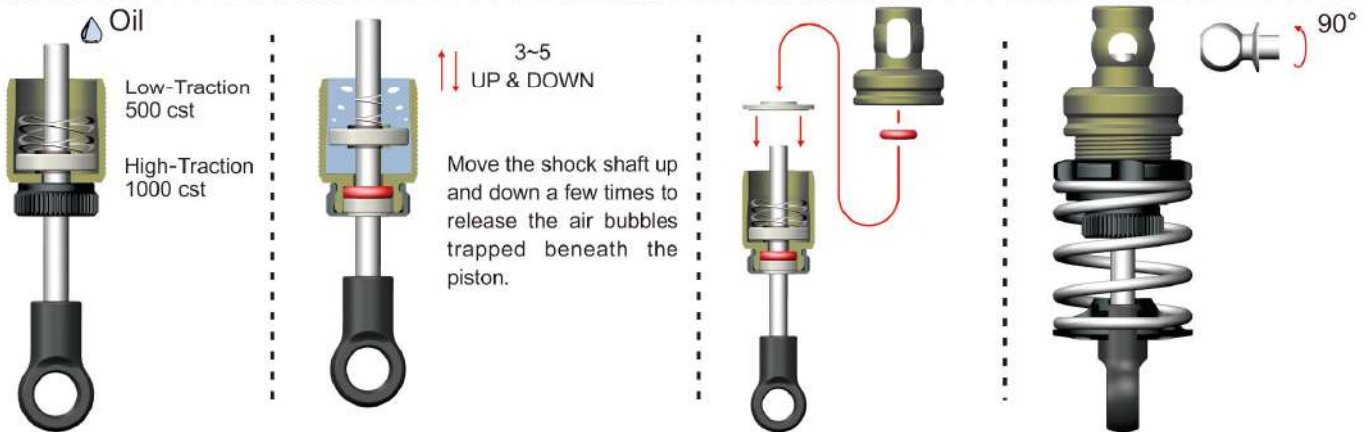
- 124201 ALU RAS- SHOCK CAP
- 124402 RAS-SHOCK TOP COVER
- 129023 MULTI-LOBE COMPRESSION SPRING 0.3x5.0x4x9.5
- 124239 RAS-SHOCK SHAFT 3X40mm
- 124318 RAS-SHOCK BODY 12X18mm
- 124403 RAS-SHOCK BOTTOM COVER 3.0x3.7mm
- 120053 ALU SHOCK BOTTOM CAP SET WITH ORING 3.7x3.0
- 124003 ALU-SUSPENSION SPRING RETAINER-12mm
- 129455 1.4x21x5.5 SUSPENSION SPRING SR 3.5KG
- 121058 SHOCK BALL JOINT 5.8x15.5mm
- 124012-1 SHOCK SPRING RETAINER LOW GRAVITY -1.0mm

Tip-2 SPENSION SPRING	
120065	HIGH SMOOTH-BL
120066	STANDARD-YE
120067	HIGH SEALING-WH

Tip-3 COMPRESSION SPRING	
129012	0.2x4x3x9.5
129013	0.3x4x3x9.5
129022	0.2x5x4x9.5
129023	0.3x5x4x9.5
129032	0.2x6.5x5x9.5
129033	0.3x6.5x5x9.5

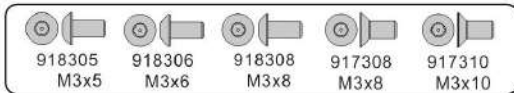
Tip-5 SPRING RETAINER	
124012-0	0 mm
124012-1	-1.0 mm
124012-2	-2.0 mm
124012-3	-3.0 mm

Tip-4 SPENSION SPRING	
129450	1.4x21x5.0 RD 4.0kg
129455	1.4x21x5.5 SR 3.5kg
129460	1.4x21x6.0 YE 3.0kg
129465	1.4x21x6.5 BL 2.5kg

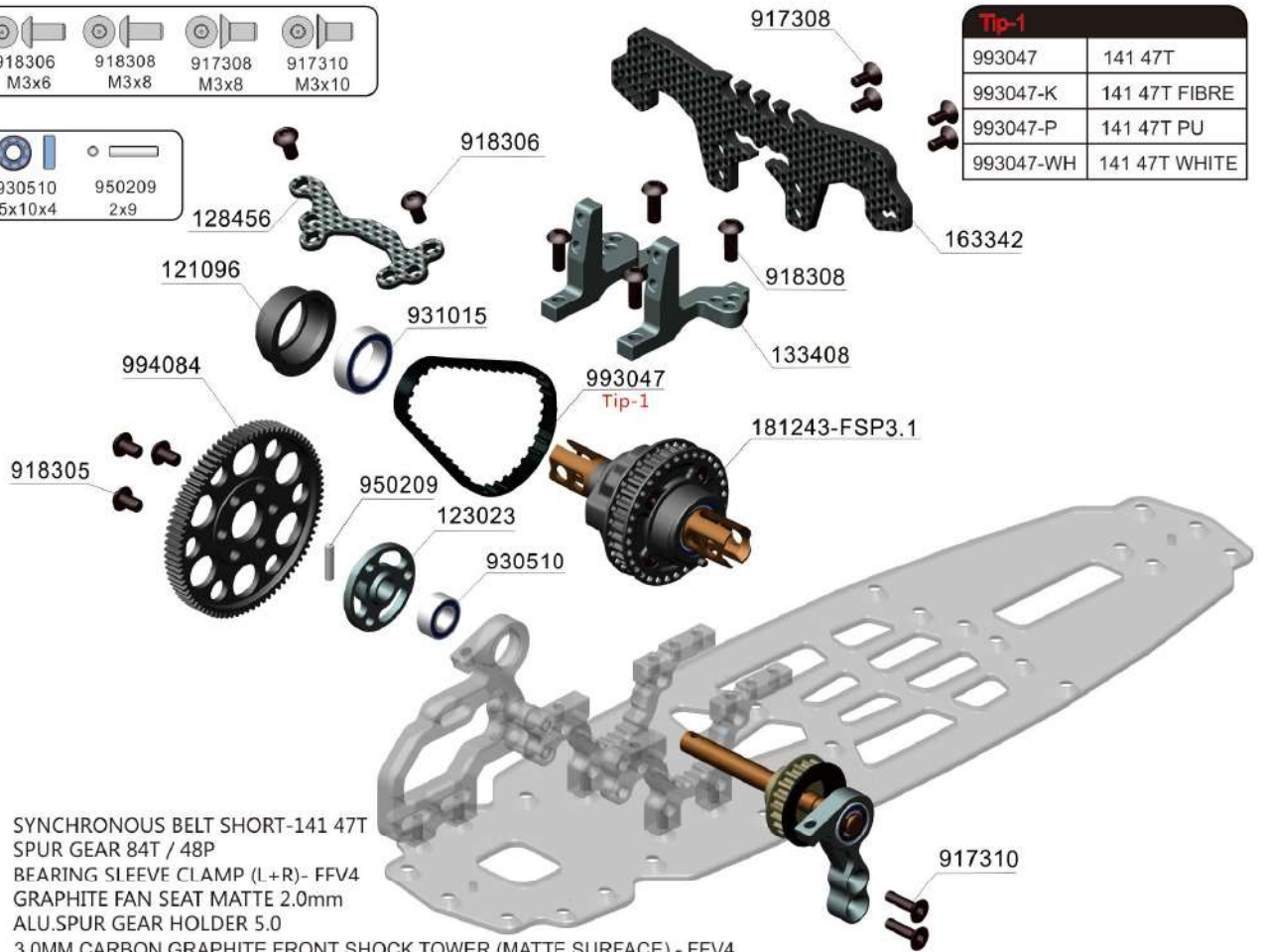


- 125131 ALU. FRONT BULKHEAD
- 125132 ALU. MOTOR MOUNT PLATE
- 163341 2.0MM CARBON GRAPHITE CHASSIS (MATTE SURFACE)-FFV4

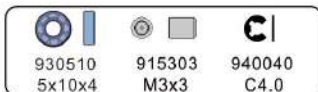
FFV4



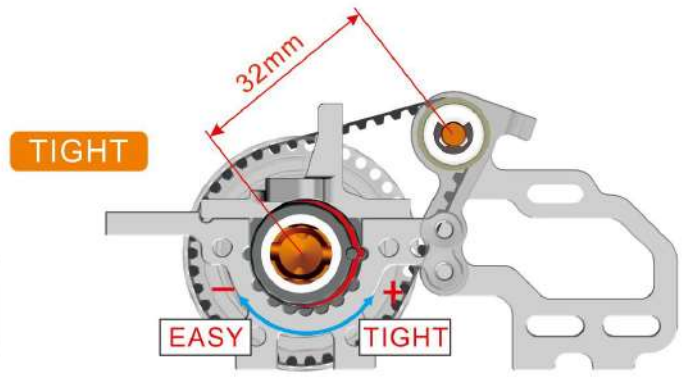
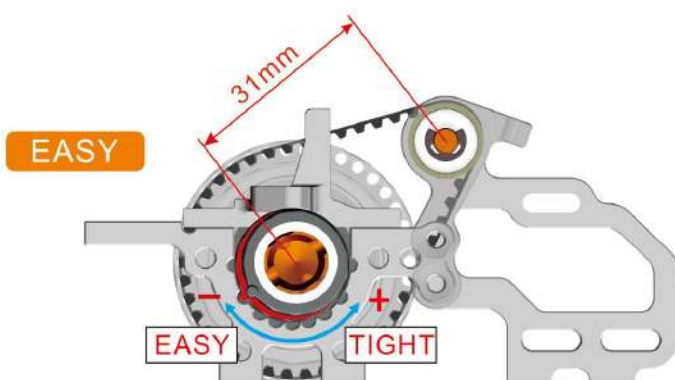
Tip-1	
993047	141 47T
993047-K	141 47T FIBRE
993047-P	141 47T PU
993047-WH	141 47T WHITE



- 993047 SYNCHRONOUS BELT SHORT-141 47T
 994084 SPUR GEAR 84T / 48P
 133408 BEARING SLEEVE CLAMP (L+R)- FFV4
 128456 GRAPHITE FAN SEAT MATTE 2.0mm
 123023 ALU.SPUR GEAR HOLDER 5.0
 163342 3.0MM CARBON GRAPHITE FRONT SHOCK TOWER (MATTE SURFACE) - FFV4
 181243-FSP3.1 GEAR DIFFERENTIAL (STEEL GEAR SET , PLASTIC CASING , 32T , CUP 3.1)



- 125133 ALU.SPUR GEAR SHAFT MOU
 123044 53 x 5.0mm FRONT PULLEY SHAFT
 993520 ALU.FIXED PULLEY(20T , 5.0mm THICKNESS)

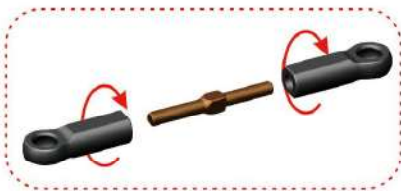
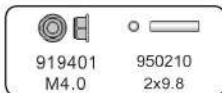
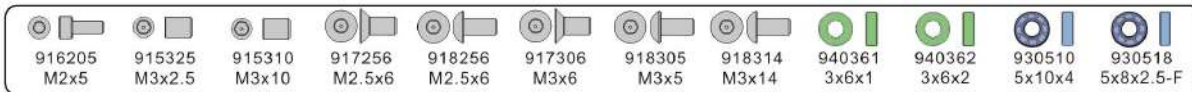


FFV4



- 133405 INTEGRATED REAR ARM SUPPORTER
 133406 REAR SIDE ANTI-ROLL STRENGTHEN PLATE (3mm)
 133411 ANTI-ROLL SHAFT BUSHING
 133421 REAR SIDE ANTI-ROLL SHAFT (S2)
 163345 2.0mm CARBON GRAPHITE INTEGRATED REAR ARM (MATTE SURFACE) - FFV4

Tip-1 PULLEY COVER	
133406	ALU 3mm
133407	ALU 4mm



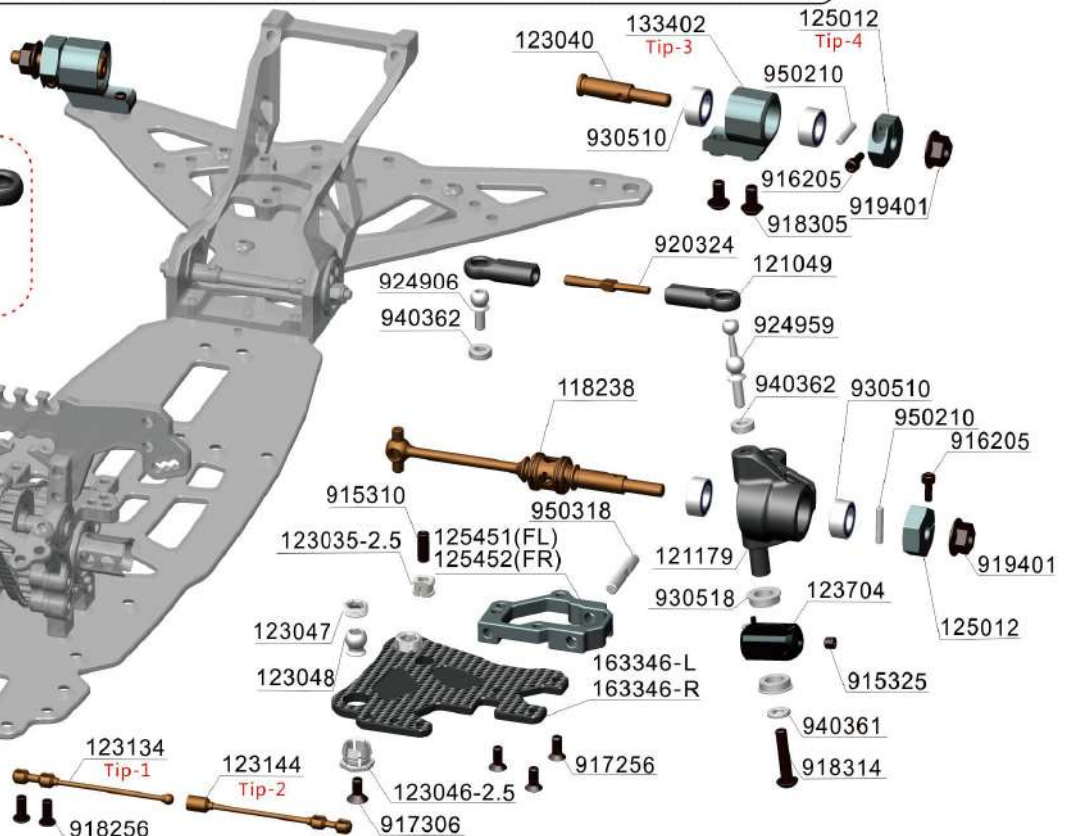
Tip-1	
123133	1.3mm
123134	1.4mm
123136	1.6mm

Tip-2	
123143	1.3mm
123144	1.4mm
123146	1.6mm

Tip-3	
133401	L/R 1°
133402	L/R 2°
133403	L/R 3°

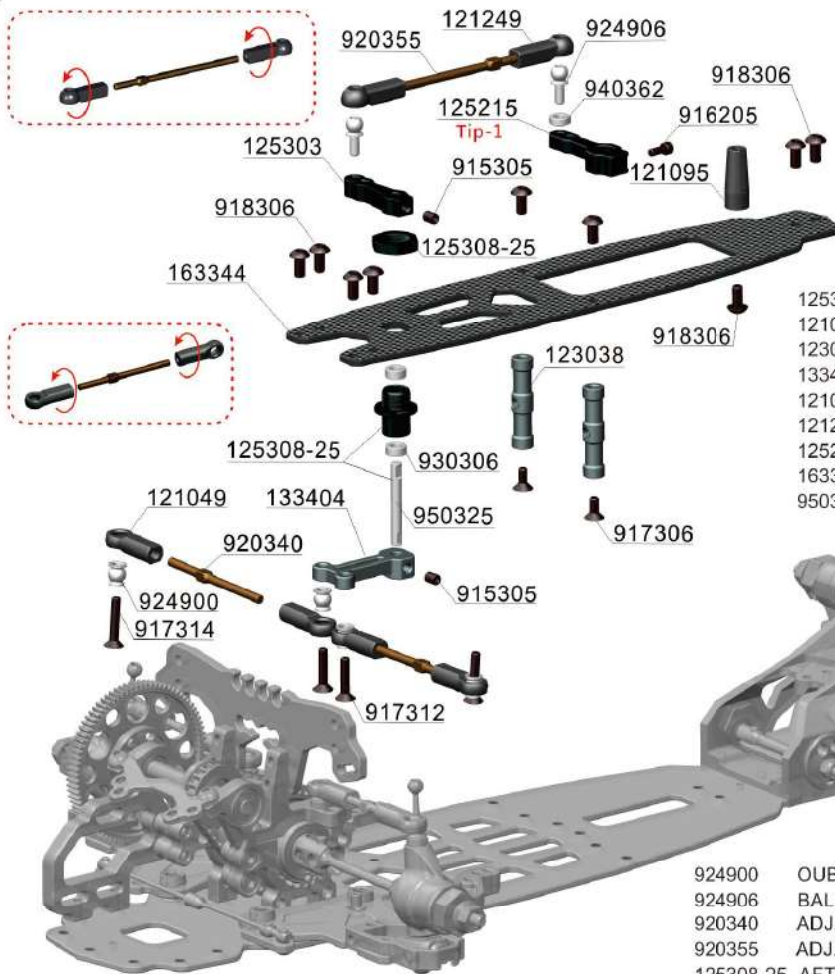
Tip-4 WHEEL HUB	
125012	ALU 5+0mm
125012-1	ALU 5+1mm
125012-2	ALU 5+2mm
125012-3	ALU 5+3mm
125012-4	ALU 5+4mm

- 133402 REAR ARM UPRIGHT BLOCK (2 DEG) - FFV4
 125012 OPTION ALU WHEEL HUB 12x5mm
 121049 COMPOSITE BALL JOINT 4.9mm - OPEN
 123134 1.4 ANTI ROLL BAR SHAFT 40
 123144 1.4 ANTI ROLL BAR SHAFT HOLDER 40



- 123040 MOVING WHEEL AXLE 5.0mm
 118238 38MM THREE SECTION OF ROD CVD UNIVERSAL JOINT(S2)- 3mm PIN
 121179 TURN THE CUP AROUND 8°. THREE SECTION STICK USE
 123704 STEERING BLOCK HOLDER (4 DEG)
 125451 ALU. FRONT ARM JOINT HOLDER (L)
 125452 ALU. FRONT ARM JOINT HOLDER (R)
 123047 SUSPENSION ARM BALL JOINT HEX NUT M6.5
 123048 BALL UNIVERSAL 5.8mm HEX (H3)
 163346-L 2.5mm CARBON GRAPHITE FRONT ARM (L) - FFV4
 163346-R 2.5mm CARBON GRAPHITE FRONT ARM (R) - FFV4
 123035-2.5 SERVO MOUNT SCREW BUSHING 2.5mm
 123046-2.5 SUSPENSION ARM BALL JOINT HOLDER 2.5mm
 924906 BALL END 4.9mm WITH THREAD 6mm H2.0
 920324 ADJ. TURNBUCKLE L/R 24mm - SPRING STEEL
 924959 DOUBLE BALL END 4.9 M3x8mm 16 THREAD BODY SUPPORTER(H2.0)

FFV4



918306 M3x6	917306 M3x6	917312 M3x12	917314 M3x14
915305 3x5	916205 M2x5	940362 3x6x2	930306 3x6x2.5

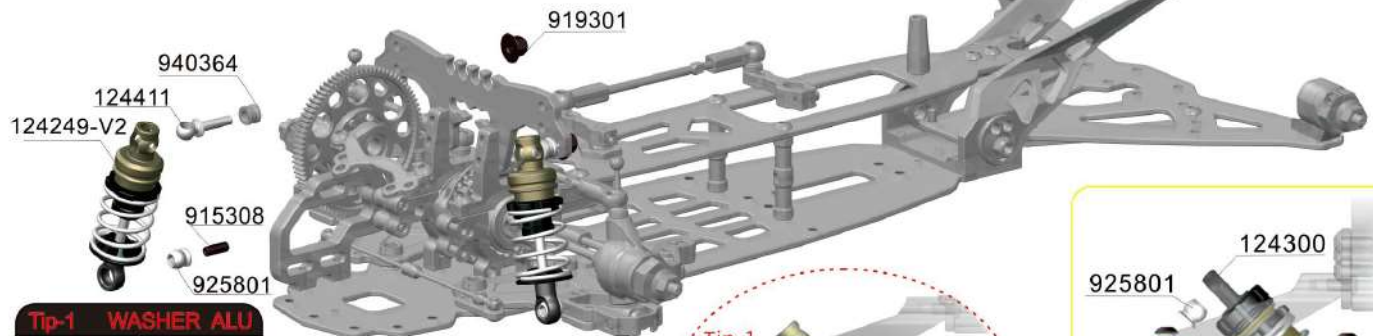
- 125303 AFTER FLOODING STEERING ARM 18mm
 121095 COMPOSITE SERVO MOUNT SET
 123038 26mm ALU. STANDOFF POST (FF-V3)
 133404 STEERING PLATE LOWER
 121049 COMPOSITE BALL JOINT 4.9mm - OPEN
 121249 COMPOSITE BALL JOINT 4.9mm - CLOSED WITH HOLE
 125215 ALU.ALLOY LOCKING R14 R18 25T OF STEERING GEAR ARM
 163344 2.0mm CARBON GRAPHITE UPPER DESK(MATTE SURFAC
 950325 STEERING SHAFT (3x25mm)

Tip-1	PULLEY COVER
125215	25T Servo Arm-J (JR,KO)
125216	23T Servo Arm-F (Futaba)

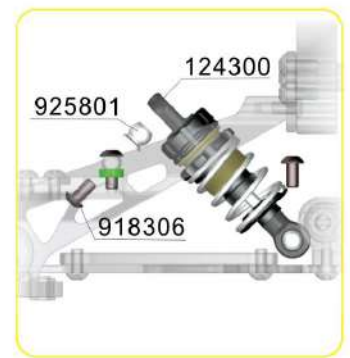
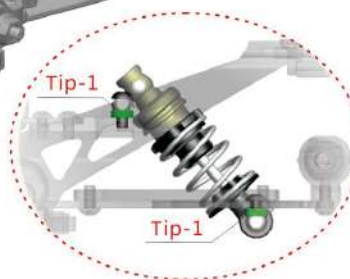
- 924900 DOUBLE BEVEL SHOULDERS 4.9x6mm
 924906 BALL END 4.9mm WITH THREAD 6mm H2.0
 920340 ADJ. TURNBUCKLE L/R 40mm H3 -SPRING STEEL
 920355 ADJ. TURNBUCKLE L/R 55mm H3 -SPRING STEEL
 125308-25 AFTER FLOODING INTERMEDIATE STEERING SEAT ASSEMBLY 25mm

940362 3x6x2	940364 3x6x4	915308 M3x8	918306 M3x6	917256 M2.5x6	917306 M3x6	919301 M3.0

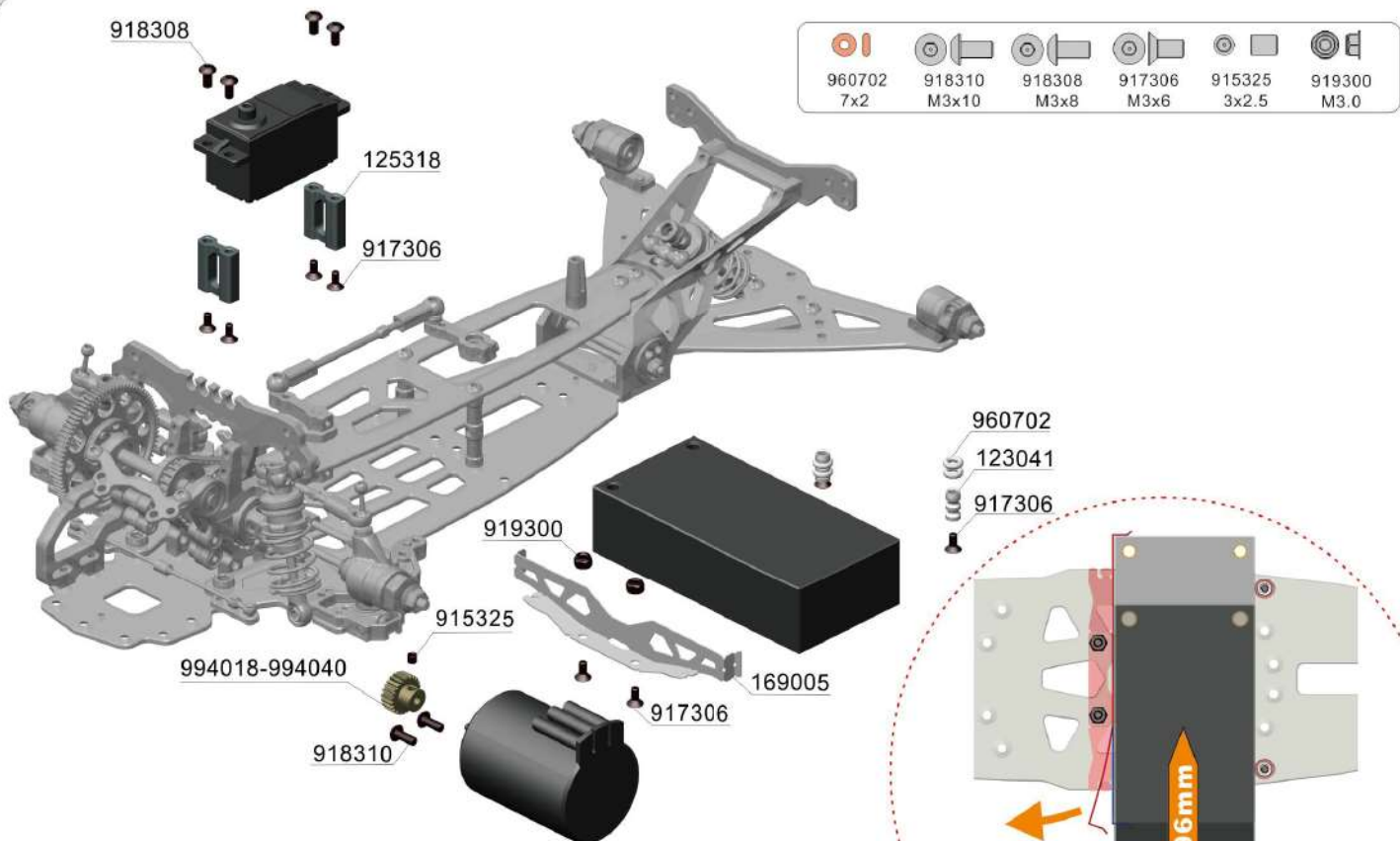
- 124411 RAS-SHOCK CAP BALL END SCREW 5.9xM3x12mm
 124204 RAS-SHOCK CAP BALL END 5.9 M2.5
 925801 BALL UNIVERSAL 5.8x6mm HEX H3.0
 133422 SHOCK ABSORBER UPPER SIDE DOUBLE BALL CAP
 133423 SHOCK ABSORBER BOTTOM SIDE DOUBLE BALL CAP
 163343 2.5mm CARBON GRAPHITE REAR SHOCK TOWER (MATTE SURFACE) - FFV4
 124249-V2 REDUCED AIR SHOCKER V2 (12x49mm)



Tip-1	WASHER ALU
940361	3x6x1
940361-5	3x6x1.5
940362	3x6x2
940362-5	3x6x2.5
940363	3x6x3
940364	3x6x4



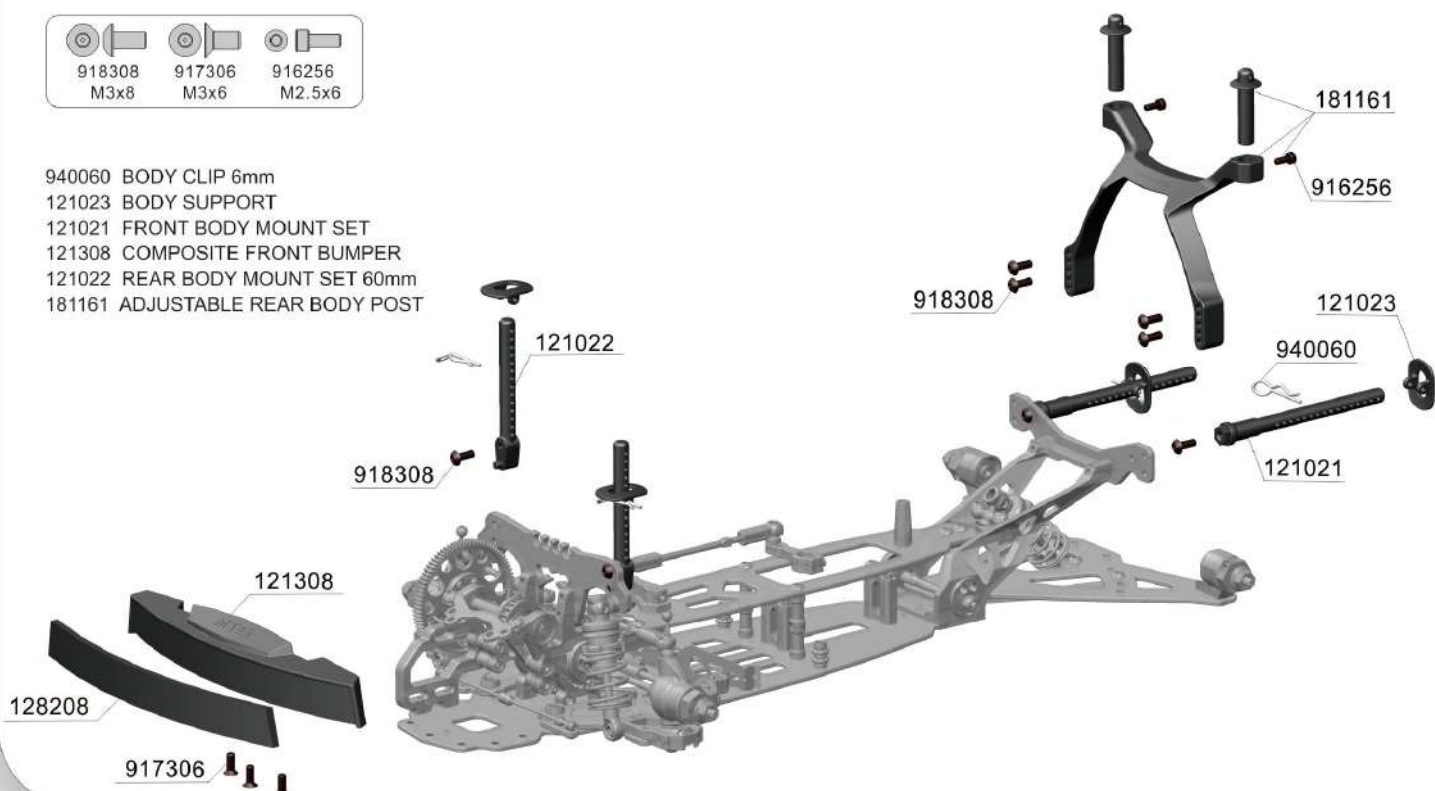
FFV4



169005 BATTERY CHASSIS HOLDER
 125318 AFTER FLOODING STEERING COLUMN 18mm
 123041 AFTER FLOODING BATTERY FIXING COLUMN
 994018-40 PINION GEAR ALU HARD COATED (18T-40T) / 48P



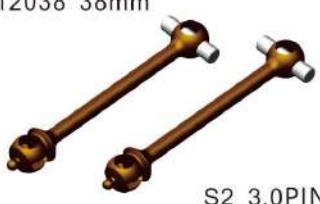
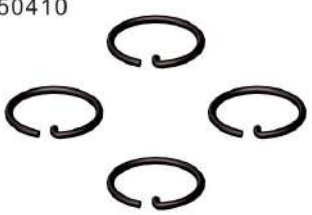
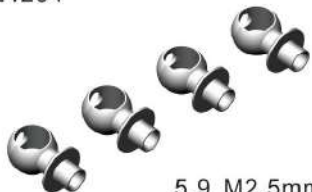
940060 BODY CLIP 6mm
 121023 BODY SUPPORT
 121021 FRONT BODY MOUNT SET
 121308 COMPOSITE FRONT BUMPER
 121022 REAR BODY MOUNT SET 60mm
 181161 ADJUSTABLE REAR BODY POST





STANDARD	123704 H10 4"	181243-AL	133402 2"	169004-AL 0.4mm	133406 3mm	161243-FSP3.1 PA_S2 CUP 3.1	125215 25T ALU	123134 1.4mm	123144 1.4mm	993520 20T	993047 47T	993047 47T	993520-32-47
OPTION PART													
	123702 H10 2"	123706 H10 6"	133401 3"	133403 3"	169004-F 0.4mm 169005-F 0.5mm	181243-FSP3.1 ALU_S2 CUP 3.1	125216 25T ALU	123133 1.3mm 123135 1.5mm	123143 1.3mm 123145 1.5mm	993514 14T 993516 16T 993518 18T	993047-K FIBRE 993047-W WHITE	993047 47T	993520-32-47

1/10 ELECTRIC TOURING CAR

112038 38mm  S2 3.0PIN THREE SECTION UNIVERSAL DRIVE SHAFT-SPRING STEEL	115910  S2 DRIVE SHAFT JOINT HOUSING -SPRING STEEL	115531  S2 DRIVE SHAFT AXLE (SPRING STEEL)	115405  1.5 PIN 3.5x5 DRIVE SHAFT CROSS JOINT
150410  DRIVE SHAFT JOINT HOUSING C-CLIP	118238 38mm  S2 3.0PIN THREE SECTION OF ROD CVD UNIVERSAL JOINT-S2	123040  5.0mm MOVING WHEEL AXLE 5.0mm	124249-V2  REDUCED AIR SHOCKER
124300  13x48.5mm SHORTER SHOCK ABSORBER 13x48.5mm	124201  ALU ALU RAS- SHOCK CAP	124318  12x18 ALU-RAS-SHOCK BODY	121057 5.8x13.5 121058 5.8x15.5  SHOCK BALL JOINT
124239  3x40 RAS-SHOCK SHAFT	124003  ALU 12mm ALU-SUSPENSION SPRING RETAINER-12mm	120053  3.0x3.7mm M8 ALU SHOCK BOTTOM CAP SET WITH ORING 3.7x3.0	124012-0 124012-1 -1mm 124012-2 -2mm 124012-3 -3mm  ALU ALU SHOCK SPRING RETAINING COLLAR
125029  ALU M8 ALU SHOCK BOTTOM CAP (COMPLETE SET)M8x5.5	124430 0-HOLE 124431 1-HOLE 124432 2-HOLE 124433 3-HOLE 124435 5-HOLE 124437 7-HOLE  RAS-SHOCK PISTON	124402-0 3x1.3 BL 124402-1 3x1.4 YE 124402-2 3x1.5 WH  RAS-SHOCK TOP COVER	124403-0 3x3.5 BL 124403-1 3x3.6 YE 124403-2 3x3.7 WH  RAS-SHOCK BOTTOM COVER
124501  ALU RAS-SHOCK HOLDER TOOL	120065 3x3.5 & 3x1.3 BL 120066 3x3.6 & 3x1.4 YE 120067 3x3.7 & 3x1.5 WH  RAS-SHOCK TOP COVER & RAS-SHOCK TOP COVER COLLAR	124204  5.9 M2.5mm RAS-SHOCK CAP BALL END	124211 5.9x7mm 124311 5.9x10mm 124411 5.9x12mm  RAS-SHOCK CAP BALL END SCREW

1/10 ELECTRIC TOURING CAR

123041  AFTER FLOODING BATTERY FIXING COLUMN	129250 1.2x21x5.0 RD 2.0kg 129255 1.2x21x5.5 SR 1.8kg 129260 1.2x21x6.0 YE 1.6kg 129265 1.2x21x6.5 BL 1.4kg  SUSPENSION SPRING 1.2x21mm	129450 1.4x21x5.0 RD 3.5kg 129455 1.4x21x5.5 SR 3.0kg 129460 1.4x21x6.0 YE 2.5kg 129465 1.4x21x6.5 BL 2.0kg  SUSPENSION SPRING 1.4x21mm	129550 1.5x21x5.0 RD 4.5kg 129555 1.5x21x5.5 SR 4.0kg 129560 1.5x21x6.0 YE 3.5kg 129565 1.5x21x6.5 BL 3.0kg  SUSPENSION SPRING 1.5x21mm
129012 0.2x4x3x9.5 129013 0.3x4x3x9.5 129022 0.2x5x4x9.5 129023 0.3x5x4x9.5 129032 0.2x6.5x5x9.5 129033 0.3x6.5x5x9.5  MULTI-LOBE COMPRESSION SPRING	129042 0.2x7.5x6x9.5 129043 0.3x7.5x6x9.5 129052 0.2x9x7x9.5 129053 0.3x9x7x9.5  FRONT BODY MOUNT SET	121021  REAR BODY MOUNT SET	121022 60mm  COMPOSITE BALL JOINT 4.9mm - OPEN
121023  BODY SUPPORT	161024  REAR BODY MOUNT SET 71mm LENGHT	181161  ADJUSTABLE REAR BODY POST	121049  COMPOSITE BALL JOINT 4.9mm - CLOSED WITH HOLE
121249  TURN THE CUP AROUND 8° THREE SECTION STICKUS	121179  COMPOSITE FRONT BUMPER	121308  ANTI-ROLL SHAFT BUSHING	133411  TORQUE BEAM LIMIT SLEEVE
133412  STEERING BLOCK HOLDER	123702 2DEG 123704 4DEG 123706 6DEG  STEERING WITH CVD UNIVERSAL JOINT (COMPLETE SET) 38MM 3.0	123890  STEERING WITH CVD UNIVERSAL JOINT AND ALU WHEEL HUB (COMPLETE SET) 38MM 3.0	123891  DIFF CROSS SHAFT
121096  DIFF GASKET 26mm	122098  UNIVERSAL CVD DRIVE SHAFT - SPRING STEEL	128202  COMPOSITE ADJUSTMENT BALL-BEARING HUB	163130 3.1mm 123011 3.6mm  DIFF CROSS SHAFT

1/10 ELECTRIC TOURING CAR

133424 	169004-AL 0.4mm ALU 169005-AL 0.5mm ALU 169004-F 0.4mm SUS 169005-F 0.5mm SUS 	181243  PA	181243-AL 
GEAR DIFF ANTI-SLIP PLATE	MINIUM ANTI-SLIP WASHER (26)	COMPOSITE GEAR DIFF CASE & PULLEY COVER (32T)	ALUMINIUM PULLEY COVER (32T)

OPTIONAL GEAR DIFFERENTIAL SET 	PLANETARY GEAR SET STEEL 	DIFFERENTIAL CUP-S2  3.1	DIFFERENTIAL CUP-S2  3.6	PA 32T 	ALU 32T 
181243-FSP3.1	●	●		●	
181243-FSA3.1	●	●			●
181243-FSP3.6	●		●	●	
181243-FSA3.6	●		●		●

OPTIONAL COMPONENT ALUMINIUM FIXED PULLEY & SYNCHRONOUS BELT & ALU GEAR DIFF CASE PULLEY	ALUMINIUM FIXED PULLEY 	SYNCHRONOUS BELT 	993514 993516 993518 993520 	990110-F  STEEL
993514-32-44	14T	44T	ALUMINIUM FIXED PULLEY (5.0MM THICKNESS)	PLANETARY GEAR SET-STEEL
993516-32-45	16T	45T		
993518-32-46	18T	46T		
993520-32-47	20T	47T		
993514-38-48	14T	48T	993044 44T 993045 45T 993046 46T 993047 47T 993048 48T 993049 49T 993050 50T 	123089  50mm ALU
993516-38-49	16T	49T	SYNCHRONOUS BELT LENGTH WIDTH	REAR BODY MOUNT SET-ALU
993518-38-50	18T	50T		
993520-38-50	20T	50T		

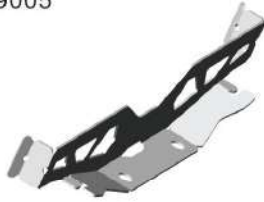
123133 1.3 123134 1.4 123136 1.6  40mm	123143 1.3 123144 1.4 123146 1.6  40mm	123224  1.3/1.4/1.6	123044  5x53mm
ANTI ROLL BAR SHAFT (EXTEND VER.)	ANTI ROLL BAR SHAFT HOLDER (EXTEND VER.)	LENGTHEN ANTI ROLL BAR MALE & FEMALE SHAFT	53mm FRONT PULLEY SHAFT

1/10 ELECTRIC TOURING CAR

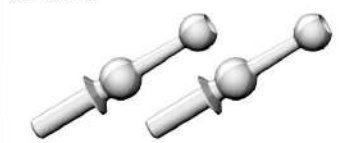
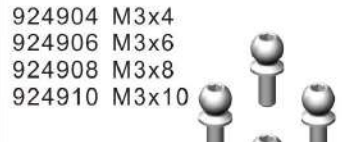
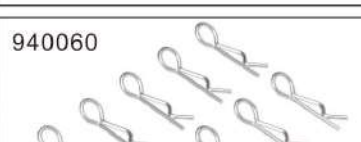
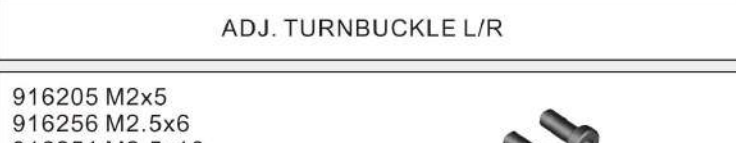
123035-2.5  SERVO MOUNT SCREW BUSHING	123046-2.5  SUSPENSION ARM BALL JOINT HOLDER	123047  SUSPENSION ARM BALL JOINT HEX NUT M6.5	123048  H3.0 BALL UNIVERSAL 5.8MM HEX (H3)
123401-2.5  SUSPENSION ARM BALL JOINT HOLDER HEX NUT KIT 2.5	133408  BEARING SLEEVE CLAMP (L+R)	125131  26mm ALU. FRONT BULKHEAD	125215 25T 125216 23T  ALU ALUMINUM ALLOY LOCKING OF STEERING GEAR ARM
125132  ALU. MOTOR MOUNT PLATE	125133  ALU. SPUR GEAR SHAFT MOUNT	123023  ALU.SPUR GEAR HOLDER	125303  AFTER FLOODING STEERING ARM 18mm
125308-25  AFTER FLOODING INTERMEDIATE STEERING SEAT ASSEMBLY	133404  STEERING PLATE	125451  FL ALU. FRONT ARM JOINT HOLDER	125452  FR ALU. FRONT ARM JOINT HOLDER
133405  INTEGRATED REAR ARM SUPPORTER	133401  1° REAR ARM UPRIGHT BLOCK (1 DEG)	133402  2° DIFFERENTIAL CUP-S2 (2 DEG)	133403  3° REAR ARM UPRIGHT BLOCK (3 DEG)
123038  26mm ALU 26MM ALU. STANDOFF POST	125318  AFTER FLOODING STEERING COLUMN 18MM	125012 H12x5mm 125012-1 H12x5mm+1 125012-2 H12x5mm+2 125012-3 H12x5mm+3 125012-4 H12x5mm+4  OPTION ALU WHEEL HUB	

1/10 ELECTRIC TOURING CAR

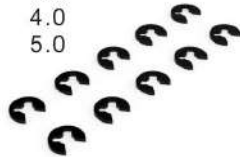
FFV4

133406 3mm 133407 4mm  REAR SIDE ANTI-ROLL STRENGTHEN PLATE	163341  2.0mm CARBON GRAPHITE CHASSIS (MATTE SURFACE)	163342  3.0mm GRAPHITE FRONT SHOCK TOWER	163343  2.5mm CARBON GRAPHITE REAR SHOCK TOWER (MATTE SURFACE)
163344  2.0mm CARBON GRAPHITE UPPER DESK	163345  2.0mm DIFFERENTIAL CUP-S2	163346-L  2.5mm GRAPHITE REAR ARM V2	163346-R  2.5mm GRAPHITE REAR ARM V2
128456  2.0mm GRAPHITE FAN SEAT MATTE	169005  EASY MOUNT BATTERY HOLDER	125219  FF RR SUS 0.5mm GRAPHITE ARM STRENGTHEN PLATE	133421  S2 REAR SIDE ANTI-ROLL SHAFT (S2)
133422  SHOCK ABSORBER UPPER SIDE DOUBLE BALL CAP	133423  SHOCK ABSORBER BOTTOM SIDE DOUBLE BALL CAP	950325  3x25 STEERING SHAFT	950318  3x18 UPRIGHT PIVOT PIN
929058  THREE POINT BALL MULTI LINK UPPER SWING ARM (CAR SHELL SUPPORT)	929068  DOUBLE BALL END MULTI LINK UPPER SWING ARM	919502 2G 919503 3G 919505 5G 919510 10G  ROUND SHAPE BALANCE WEIGHT	TP-TPG2404 24R TP-TPG2804 28R TP-TPG3204 32R TP-TPG3404 34R TP-TPG3604 36R  Team Powers 1/10 RACE TIRE SUIT
127662  24mm SLICK TYRE SET	127663  24mm SLICK TYRE SET	128401/611710  195x260 D12 PULL CAR SHELL PC 195*260mm	128402/611810  195x260 GTR DRIFT CAR SHELL PC 195*260mm

1/10 ELECTRIC TOURING CAR

128403/611610  195x260 FLAT CAR SHELL PC 195*260mm	128404/611620  195x260 FLAT CAR SHELL PC 195*260mm	128405/611630  195x260 TESLA FLAT CAR SHELL PC 195*260mm	128406/611820  195x260 AMG DRIFT CAR SHELL PC 195*260mm
924959  4.9xM3x8 16 H2.0 DOUBLE BALL END 4.9 WITH THREAD (BODY SUPPORTER)	925800  5.8xL5x3.0 BALL UNIVERSAL 5.8*3*7.5mm HEX	925801  5.8xL3xM3.0 BALL UNIVERSAL 5.8*6mm HEX H3.0	924900  4.9xφ 3.0 DOUBLE BEVEL SHOULDERS 4.9x6mm
924904 M3x4 924906 M3x6 924908 M3x8 924910 M3x10  4.9xL4 BALL END 4.9mm WITH THREAD H2.0	924916 4.9xL6 M3x6 924918 4.9xL6 M3x8 924926 4.9xL8 M3x6 924936 4.9xL10 M3x6  BALL END 4.9mm WITH THREAD H2.0	925805 M3x5 925806 M3x6 925808 M3x8 925810 M3x10  5.8xL4 BALL END 5.8mm WITH THREAD	925848  5.8xL12 M3X8 BALL END WITH THREAD H3.0
940060  BODY CLIP 6mm	940100  LONG BODY CLIP 6MM	920718 18 mm 920745 45 mm 920720 20 mm 920755 55mm 920722 22 mm 920724 24 mm 920728 28 mm 920732 32 mm 920736 36 mm 920740 40 mm  ROD STEEL SUS410	
920318 18 mm 920345 45 mm 920320 20 mm 920350 50 mm 920322 22 mm 920355 55mm 920324 24 mm 920328 28 mm 920332 32 mm 920336 36 mm 920340 40 mm  ADJ. TURNBUCKLE L/R		915325 M3x2.5 915303 M3x3 915304 M3x4 915306 M3x6 915308 M3x8 915310 M3x10 915312 M3x12 915314 M3x14  HEX SET SCREW	
916205 M2x5 916256 M2.5x6 916251 M2.5x10 916308 M3x8 916310 M3x10 916312 M3x12  HEX SOCKET CAP SCREW		917256 M2.5x6 917258 M2.5x8 917304 M3x4 917306 M3x6 917308 M3x8 917310 M3x10 917312 M3x12 917314 M3x14 917316 M3x16  HEX SCREW FLAT HEAD	

1/10 ELECTRIC TOURING CAR

919300-Ti M3 919400-Ti M4 919301-Ti M3-F 919401-Ti M4-F 919402 ALU 	919300 M3 919400 M4 919301 M3-F 919401 M4-F 	918206 M2x6 918208 M2x8 918210 M2x10 918256 M2.5x6 918110 M2.5x10 918112 M2.5x12 918114 M2.5x14 918304 M3x4 918305 M3x5 918306 M3x6 918308 M3x8 918310 M3x10 918312 M3x12 918314 M3x14 918316 M3x16 918318 M3x18 	M2/M2.5/M3
NUT	NUT STEEL	HEX SCREW ROUND HEAD	
918304-Ti M3x4 Ti 918305-Ti M3x5 Ti 918306-Ti M3x6 Ti 918308-Ti M3x8 Ti 918310-Ti M3x10 Ti 918312-Ti M3x12 Ti 918314-Ti M3x14 Ti 	M3Ti	918254-Ti M2.5x4 Ti 918256-Ti M2.5x6 Ti 918258-Ti M2.5x8 Ti 918110-Ti M2.5x10 Ti 918112-Ti M2.5x12 Ti 918114-Ti M2.5x14 Ti 	M2.5Ti
HEX SCREW ROUND HEAD Ti		HEX SCREW ROUND HEAD Ti	
917304-Ti M3x4 Ti 917305-Ti M3x5 Ti 917306-Ti M3x6 Ti 917308-Ti M3x8 Ti 917310-Ti M3x10 Ti 917312-Ti M3x12 Ti 917314-Ti M3x14 Ti 	M3Ti	917254-Ti M2.5x4 Ti 917256-Ti M2.5x6 Ti 917258-Ti M2.5x8 Ti 917110-Ti M2.5x10 Ti 	M2.5Ti
HEX SCREW FLAT HEAD Ti		HEX SCREW FLAT HEAD Ti	
947262 2.5x6x2 947362 3x6x2 	948362 	940361 3x6x1 940361-5 3x6x1.5 940362 3x6x2 940362-5 3x6x2.5 940363 3x6x3 940364 3x6x4 940365 3x6x5 940366 3x6x6 940368 3x6x8 940361-0 3x6x10 940361-2 3x6x12 	ALU
WASHER SFH SCREW FLAT HEAD-ALU	CONICAL SHIM-ALU	WASHER-ALU	
940391 3x9x1 940391-5 3x9x1.5 940392 3x9x2 	940025 2.5 940030 3.0 940040 4.0 940050 5.0 	930306 3x6x2.5 930308 3x8x4 930508 5x8x2.5 930418 4x8x3F 930410 4x10x4 930518 5x8x2.5F 930510 5x10x4 931015 10x15x4 930612 6x12x4 	ALU
WASHER ALU	E-CLIP	BALL-BEARING	
940265 2.6x6 940272 2.6x7 940373 3.0x7x0.3 940375 3.0x7x0.5 943571 3.5x7x0.1 943572 3.5x7x0.2 943582 3.5x8x0.2 943583 3.5x8x0.3 943592 3.5x9x0.2 943593 3.5x 9x0.3 943594 3.5x 9x0.4 945101 5.0x10x0.1 945102 5.0x10x0.2 945121 5.0x12x0.1 945122 5.0x12x0.2 945123 5.0x12x0.3 941502 12x15x0.2 941503 12x15x0.3 	WASHER STEEL	940483 4x 8x0.3 944003 4x10x0.3 944005 4x10x0.5 945082 5x 8x0.2 945083 5x 8x0.3 946002 6x11.5x0.2 946003 6x11.5x0.3 946145 6x14x0.5 946144 6x14.5x0.4 946153 6x15x0.3 947005 7x12x0.5 948003 8x12x0.3 948005 8x12x0.5 	WASHER STEEL

1/10 ELECTRIC TOURING CAR

951509 1.5x9 951510 1.5x9.8 951518 1.5x18 950209 2x9 950210 2x9.8 950212 2x12 950218 2x18 950312 3x12	950317 3x17 	960615 6x1.5 960702 7x2 960722 7x2.2 960802 8x2 960822 8x2.2 960825 8x2.5 960902 9x2 960925 9x250	961002 10x2 961124 11x2.4 961301 13x1 961401 14x1 961501 15x1-13 
PIN		SILICONE O-RING	
994018 18T 994019 19T 994020 20T 994021 21T 994022 22T 994023 23T 994024 24T 994025 25T	994026 26T 994027 27T 994028 28T 994029 29T 994030 30T 994031 31T 994032 32T 994033 33T	994034 34T 994035 35T 994036 36T 994037 37T 994038 38T 994039 39T 994040 40T	 48P
PINION GEAR ALU HARD COATED 48P		PINION GEAR ALU HARD COATED 64P	
994013 48P 18-30T 996010 64P 24-34T 996011 64P 35-45T	 48P	996010 64P 24-34T 996011 64P 35-45T	 64P
PINION GEAR ALU HARD COATED 48P		PINION GEAR ALU HARD COATED 64P	
994072 72T 48P 994078 78T 48P 994081 81T 48P 994084 84T 48P 994087 87T 48P 994084-WH 84TPOM 48P 994087-WH 87TPOM 48P	996110 110T 64P 996110-WH 110T 64P 996116 116T 64P 996116-WH 116T 64P	 SPUR GEAR	
OIL		OIL	
909006 SINGLE BEARING OIL 909007 HIGH SPEED BEARING OIL 909008 SEAL OIL 909009 HIGH STRENGTH SCREW GLUE 909010 MEDIUM STRENGTH SCREW GLUE 909011 STICKY RUBBER 909012 FUEL LUBRICATION ADDITIVE		900100 THE DIFFERENTIAL OIL 900050 SHOCK ABSORBER OIL 909001 GRAPHITE OIL 909002 ENGINE AFTER RUN OIL 909003 AIR FILTER OIL 909004 ONE-WAY LUBE 909005 CERAMIC BEAD OIL	
OIL		OIL	

FFV4 GEAR RATIO CONFIGURATION TABLE

48p		min106T / max124T					32T:20T(i ₂₀)				32T:18T i ₁₈ =i ₂₀ /0.9							32T:16T i ₁₆ =i ₂₀ /0.8							32T:14T i ₁₄ =i ₂₀ /0.7				
Spur gear	Motor gear	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40					
72	Gear Ratio (i ₂₀)																	3.39	3.29	3.20	3.11	3.03	2.95	2.88					
75															3.87	3.75	3.64	3.53	3.43	3.33	3.24	3.16	3.08	3.00					
78												4.46	4.30	4.16	4.03	3.90	3.78	3.67	3.57	3.47	3.37	3.28	3.20	3.12					
81									5.18	4.98	4.80	4.63	4.47	4.32	4.18	4.05	3.93	3.81	3.70	3.60	3.50	3.41	3.32	3.24					
84						6.11	5.84	5.60	5.38	5.17	4.98	4.80	4.63	4.48	4.34	4.20	4.07	3.95	3.84	3.73	3.63	3.54	3.45	3.36					
87			7.33	6.96	6.63	6.33	6.05	5.80	5.57	5.35	5.16	4.97	4.80	4.64	4.49	4.35	4.22	4.09	3.98	3.87	3.76	3.66	3.57						
64p		min142T / max165T					32T:20T(i ₂₀)				32T:18T i ₁₈ =i ₂₀ /0.9							32T:16T i ₁₆ =i ₂₀ /0.8							32T:14T i ₁₄ =i ₂₀ /0.7				
Spur gear	Motor gear	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45							
98	Gear Ratio (i ₂₀)																				3.56	3.48							
104																4.38	4.27	4.16	4.06	3.96	3.87	3.78	3.70						
110										5.50	5.33	5.18	5.03	4.89	4.76	4.63	4.51	4.40	4.29	4.19	4.09	4.00	3.91						
116			7.14	6.87	6.63	6.40	6.19	5.99	5.80	5.62	5.46	5.30	5.16	5.02	4.88	4.76	4.64	4.53	4.42	4.32	4.22	4.12							

SET-UP SHEET

MTS FFV4
DOLPHIN

RACE
SUNRC

RACE/TRACK		NAME		COUNTRY		DATE / /	
QUAL POSITION		FINAL POSITION		BEST LAP TIME /sec		LAPS TIME	
WEIGH							
TRACK SURFACE		TRACTION		TRACK LAYOUT		°C	
☐ CARPET ☐ ASPHALT		☐ HIGH ☐ MEDIUM ☐ LOW		☐ TECHNICAL ☐ MIXED ☐ FAST			

FRONT	SHOCKS		REAR
	/cst	OIL	/cst
	SPRING		

FRONT	DAMPING PISTON		REAR
☐	☐ 0 HOLES ☐	☐	☐
☐	☐ 1 HOLES ☐	☐	☐
☐	☐ 2 HOLES ☐	☐	☐
☐	☐ 3 HOLES ☐	☐	☐
☐ PLANE ☐ RAMP		☐ PLANE ☐ RAMP	

FRONT	☐ ☐	REAR
☐	120065 3x3.5 & 3x1.3 BL	☐
☐	120066 3x3.6 & 3x1.4 YE	☐
☐	120067 3x3.7 & 3x1.5 WH	☐

FRONT	☐	REAR
☐	129022 0.2x5x4x9.5	☐
☐	129023 0.3x5x4x9.5	☐
☐	129032 0.2x6.5x5x9.5	☐
☐	129033 0.3x6.5x5x9.5	☐
☐	129042 0.2x7.5x6x9.5	☐
☐	129043 0.3x7.5x6x9.5	☐

GEAR	☐ 64P	PINION	T
	☐ 48P	SPUR GEAR	T

TYRE	FRONT	
	REAR	

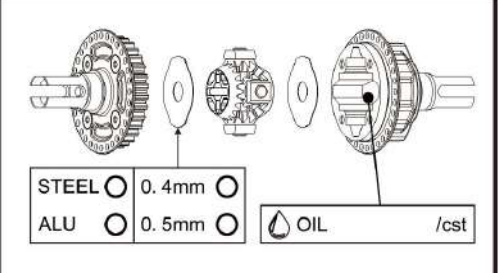
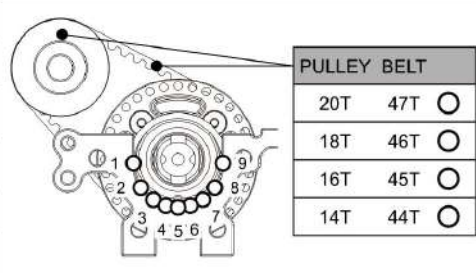
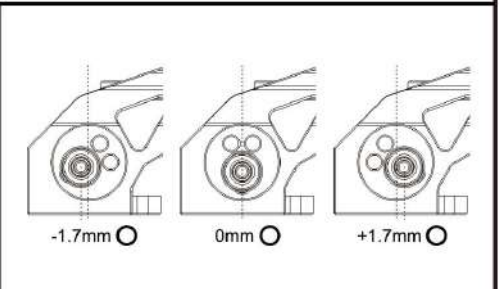
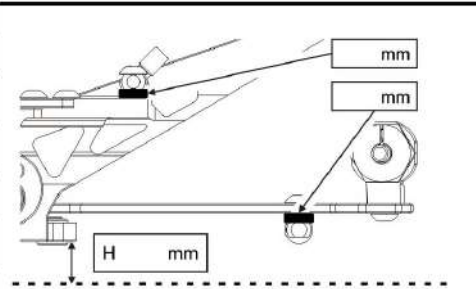
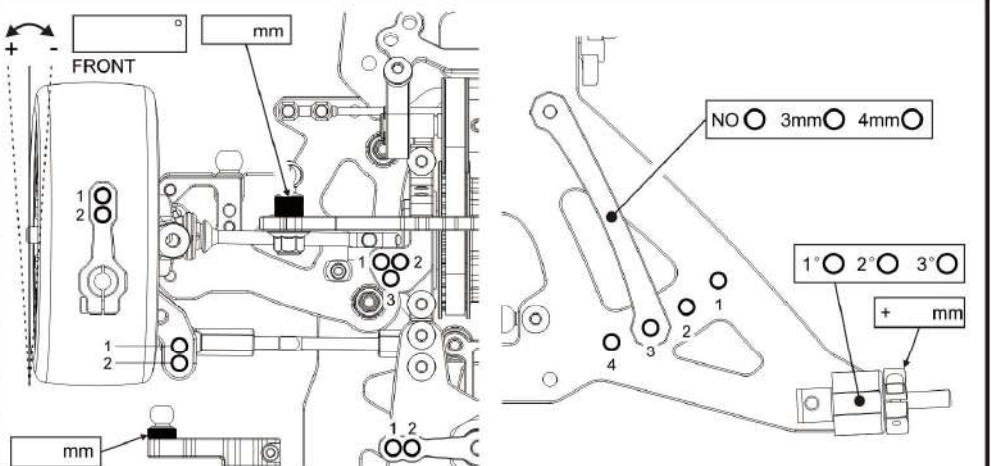
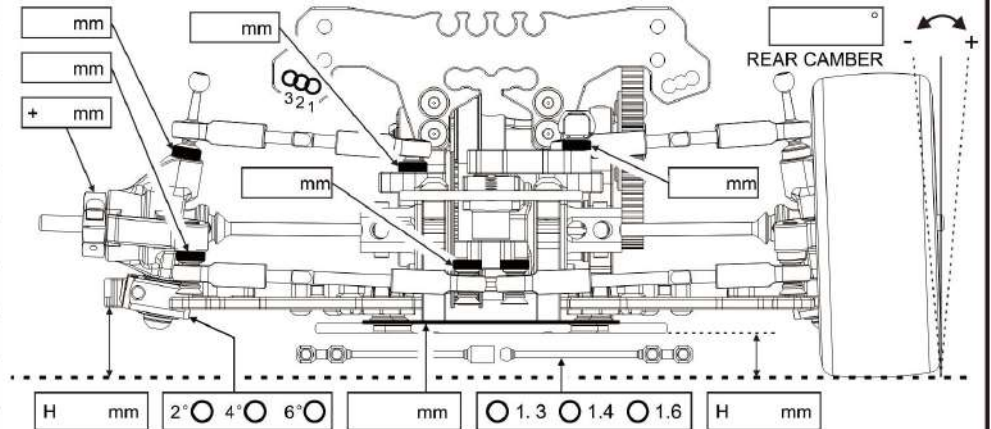
SHELL	
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BODY	
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WING	
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ELECTRONICS GEARING	
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ESC	
MOTOR	
SERVER	
TIMING	
mah C g	



REMARKS