Schumacher

LOTUS SPORT

1/6th SCALE LOTUS SPORT ELISE



INSTRUCTION & MAINTENANCE MANUAL

Approved and Licensed Product of Group Lotus Limited.

S997

IMPORTANT SAFETY NOTES

- ☐ This product is not suitable for children unless under the direct supervision of an adult.
- ☐ Select an area for assembly that is away from reach of very small children. The parts are small and can be swallowed by children causing choking and possible internal injuries.
- ☐ Exercise care when using any hand tools and sharp instruments during construction.
- ☐ Carefully read all manufacturers warnings and cautions for any parts used in the construction & use of your **LOTUS ELISE MOTORSPORT**



POINTS WHERE SHOCK OIL SHOULD BE APPLIED

AXLE



POINTS WHERE AXLE GREASE SHOULD BE APPLIED
(It will reduce friction & assure smooth movement)

SILICONE

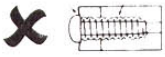


POINTS WHERE SILICONE GREASE SHOULD BE APPLIED

Do not use excessive force when tightening the selftapping screws, or you may strip the thread in the plastic. It is recommended to stop tightening it when the threaded part on the screw goes into the plastic part and you feel some resistance from the tightening.



Good



Over tighten and you may strip the thread in the plastic

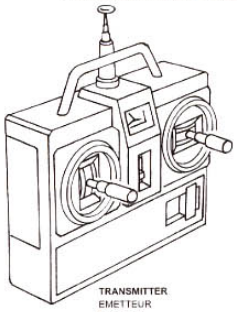
In line with our policy of continous development the exact specification of the kit may vary.

MISSING OR DEFECTIVE PARTS

In the unlikely event of any problems with your new kit you should contact the model shop where you purchased, quoting part number, bag number and batch

FOR BEST PERFORMANCE, IT IS VERY IMPORTANT THAT GREAT CARE IS TAKEN TO ENSURE THE FREE MOVEMENT OF ALL PARTS.

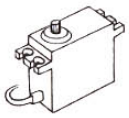
ADDITIONAL ITEMS REQUIRED
EQUIPEMENTS NECESSAIRES
ACCESORIOS ADICIONALES
BENÖTIGTES ZUBEHÖR
NÖDVÄNDIGA TILLBEHÖR
ACCESSORI NECESSARI



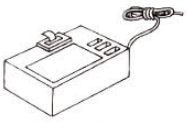
TRANSMITTER
EMETTEUR
EMISORA
FERNSTEUERSENDER MIT MINDESTENS 2 KANALEN
RADIOSTYRNING MED MINST 2-KANALER
TRASMITTENTE 2 CANALI



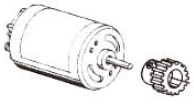
8 PEN CELLS (FOR TRANSMITTER)
8 PILES POUR L'EMETTEUR
8 PILAS (PARA LA EMISORA)
8 MIGNON-ZELLEN FÜR SENDER
8 ST BATTERIER FÖR SÄNDAREN
8 BATTERIE PER TRASMITTENTE



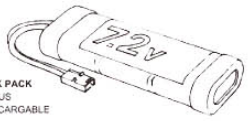
STEERING SERVO
SERVO DE DIRECTION
SERVO DE DIRECCION
LENKSERVO
SERVO FÖR STYRNING
SERVOCOMANDO DELLO STERZO



RECEIVER
RECEPTEUR
RECEPTOR
EMPFÄNGER
MOTTAGARE
RICEVENTE



MOTOR & PINION
MOTEUR ET PIGNON
MOTOR Y PIÑON
MOTOR & MOTORRITZEL
ELMOTOR & PINIONG
MOTORE E PIGNONE

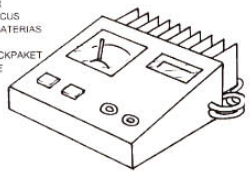


NICAD STICK PACK
PACK D'ACCUS
BATERIA RECARGABLE
AKKUPACK
ACKPAKET
BATTERIA RICARICABILE



SPEED CONTROLLER
VARIATEUR ELECTONIQUE
CONTROL DE VELOCIDAD
FAHRTENREGLER
ELEKTRONISKT FARTREGLAGE
VARIATORE ELETTRONICO DI VELOCITA

NICAD CHARGER
CHARGEUR D'ACCUS
CARGADOR DE BATERIAS
LADEGERÄT
LADDARE FÖR ACKPAKET
CARICABATTERIE





PAINT FOR BODYSHELL
BOMBE DE PEINTURE POUR LA CARROSSERIE
PINTURA CARROCERIA
LEXANFÄRBEN FÜR DIE KAROSSERIE
LEXANFÄRG TILL KAROSSEN
VERNICE SPRAY PER POLICARBONATO

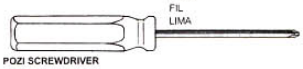
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LOTUS SPORT

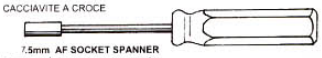
1/6th SCALE LOTUS SPORT ELISE
TOOLS REQUIRED



FILE
LIME
LIMA
FEILE
FIL
LIMA



POZI SCREWDRIVER
TOURNEVIS PHILIPS
ATORNILLADOR DE ESTRELLA
KREUZSCHLITZ SCHRAUBENZIEHER
STJÄRNSKRUVMEJSEL
CACCIAVITE A CROCE



7.5mm AF SOCKET SPANNER
CLÉ DE 7.5mm À PIPE OU EMMANCHEE
LLAVE DE TUBO DE 7.5 mm
STECKSCHLÜSSEL 7.5 mm
7.5mm HYLSNYCKEL
CHIAVE A TUBO DA 7.5mm



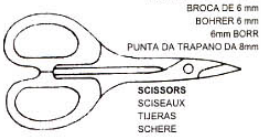
5.5mm AF SOCKET SPANNER
CLÉ DE 5.5mm À PIPE OU EMMANCHÉE
LLAVE DE TUBO DE 5.5 mm
STECKSCHLÜSSEL 5.5 mm
5.5mm HYLSNYCKEL
CHIAVE A TUBO DA 5.5mm



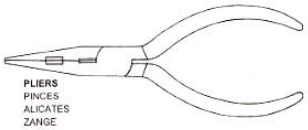
FLAT SCREWDRIVER
TOURNEVIS PLAT
ATORNILLADOR PLANO
SCHRAUBENZIEHER
SKRUVMEJSEL
CACCIAVITE A TAGLIO



6mm DRILL BIT
OUTIL DE FORAGE 6 mm
BROCA DE 6 mm
BOHRER 6 mm
6mm BORR
PUNTA DA TRAPANO DA 8mm



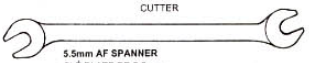
SCISSORS
SCISEAUX
TIJERAS
SCHERE
SAX
FORBICE



PLIERS
PINCES
ALICATES
ZANGE
TÅNG
PINZA A BECCHI SOTTILI

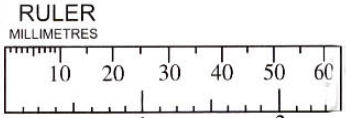


SCALPEL
CUTLER
CUCHILLA
SCHARFES MESSER
HOBBYKNIV
CUTTER



5.5mm AF SPANNER
CLÉ PLATE DE 5.5mm
LLAVE FIJA 5.5mm
GABELSCHLÜSSEL 5.5 mm
5.5mm FAST NYCKEL
CHIAVE INGLESE DA 5.5mm

RULER
MILLIMETRES

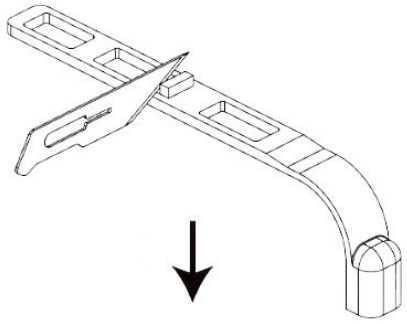


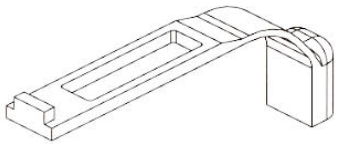
INCHES 1 2

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1/6th SCALE LOTUS SPORT ELISE

1





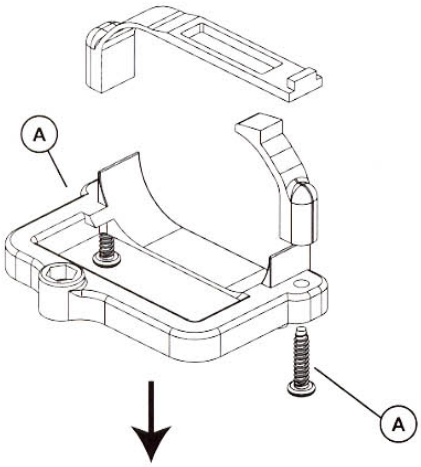
x2

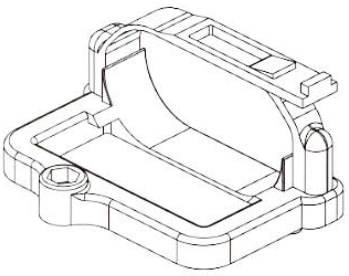
BATTERY STRAP FITTING

A 

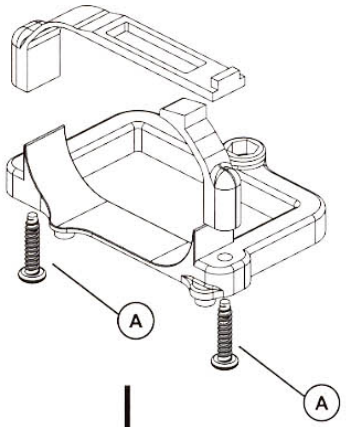
X4 No4 1/2 Pan Head

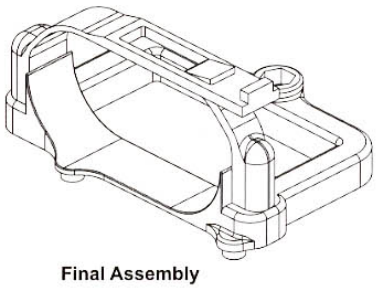
2





Final Assembly





Final Assembly

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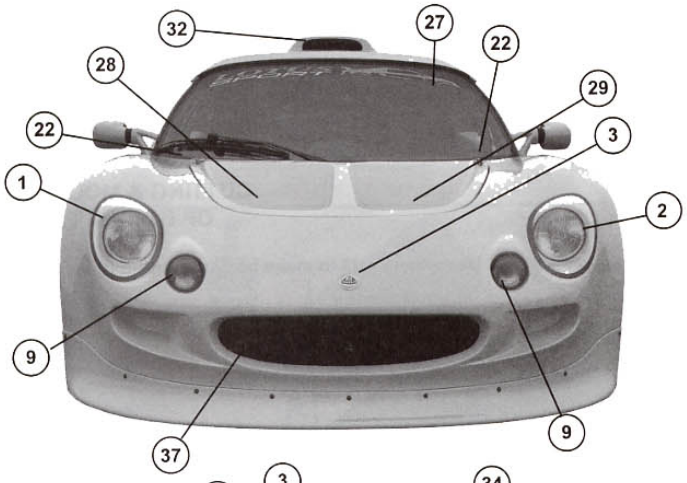
LOTUS SPORT

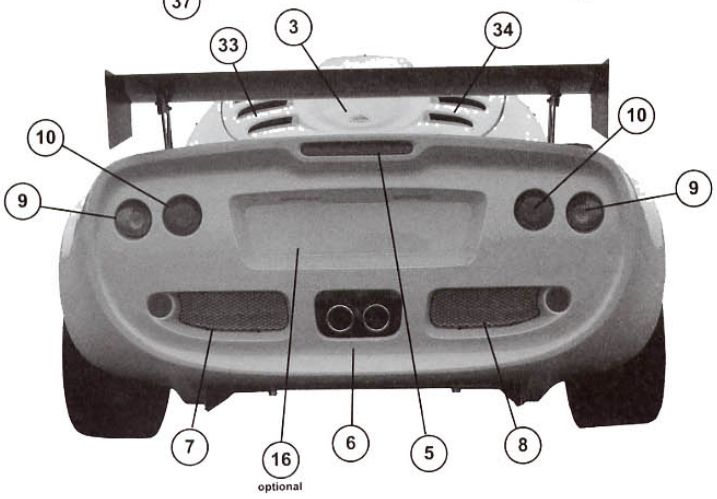
1/6th SCALE LOTUS SPORT ELISE

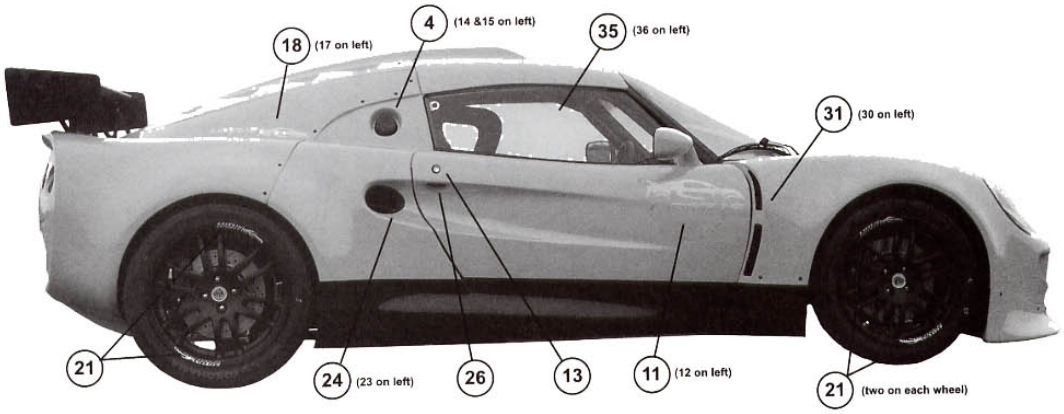
FITTING DECALS

Ensure body is free of dirt and grease. Use a sharp knife or scissors to cut the appropriate decal from the sheet.
When sticking large decals (e.g. front window) you may find it easier to coat body area with warm, slightly soapy water. This enables easy positioning before applying decal, spread excess water from the centre out.

For more detailed pictures of decal position, see box lid.





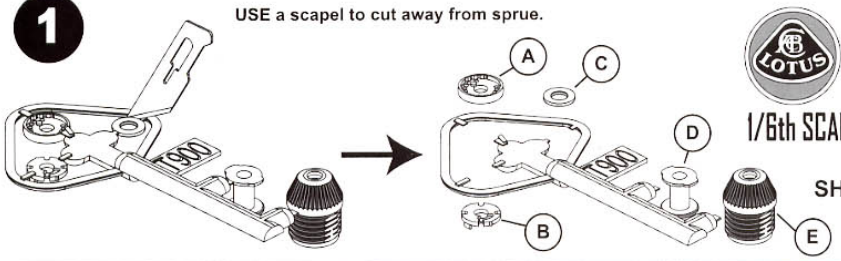


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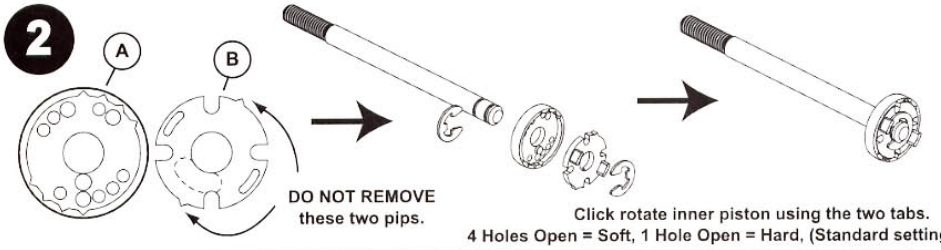
1/6th SCALE LOTUS SPORT ELISE

SHOCK ASSEMBLY

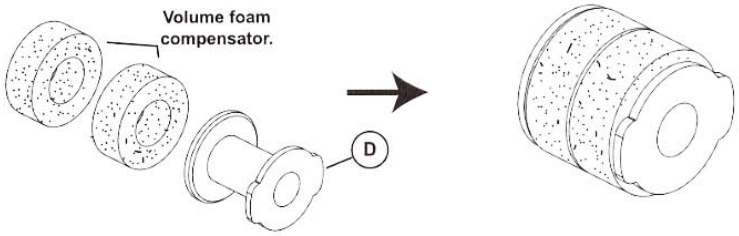
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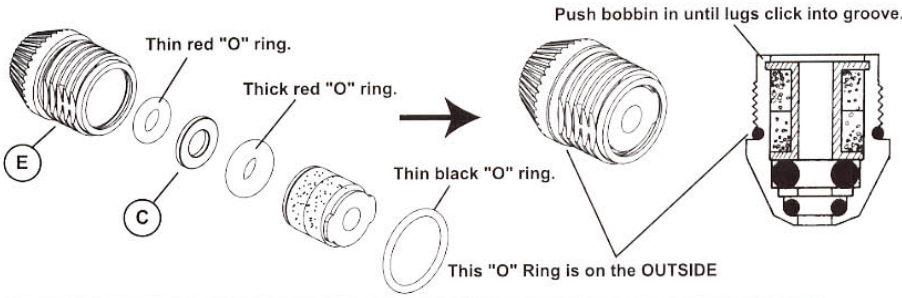
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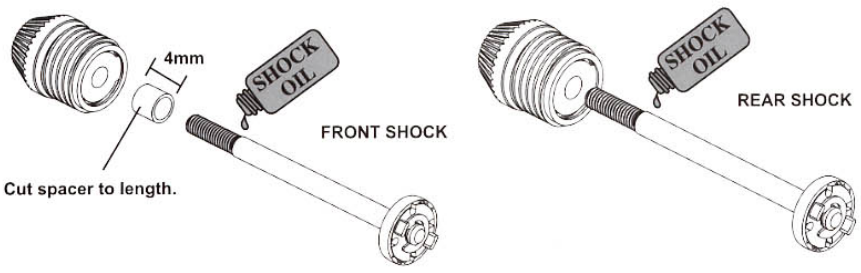
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4



5

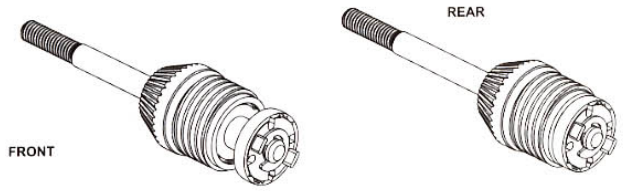


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1/6th SCALE LOTUS SPORT ELISE

SHOCK ASSEMBLY

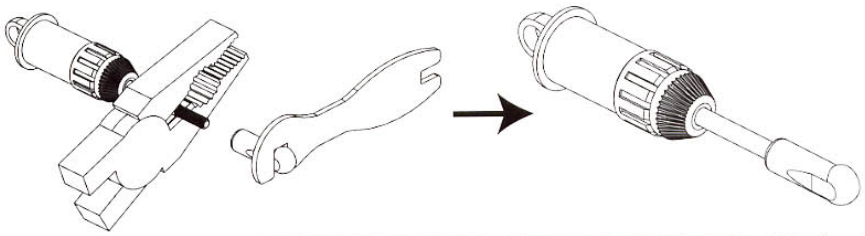
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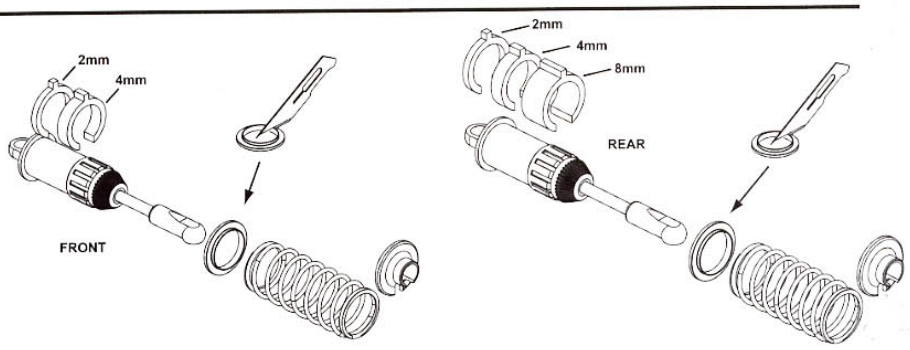
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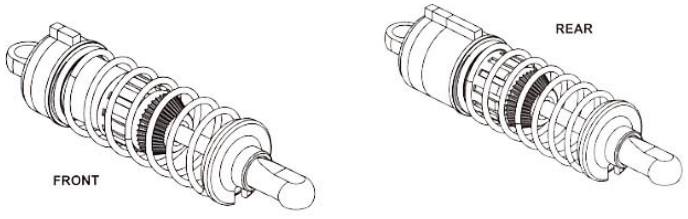
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9



10

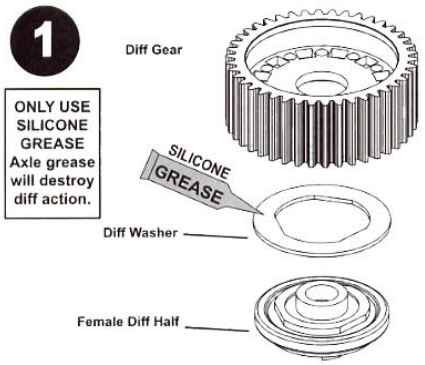


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1/6th SCALE LOTUS SPORT ELISE

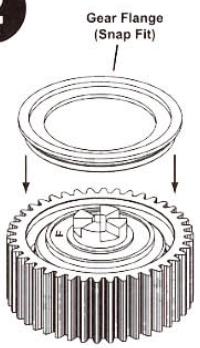
DIFFERENTIAL BUILD AND SETTINGS

1

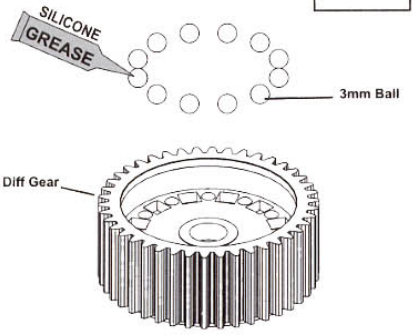


ONLY USE SILICONE GREASE Axle grease will destroy diff action.

2

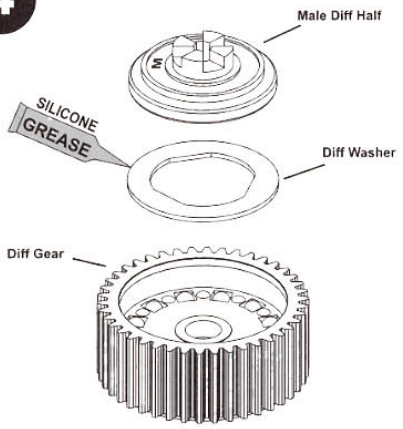


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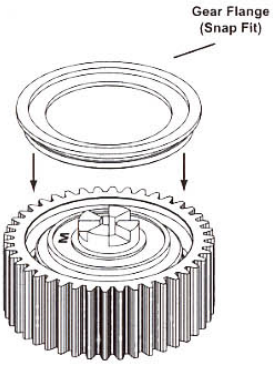
ONLY USE SILICONE GREASE Axle grease will destroy diff action.

4

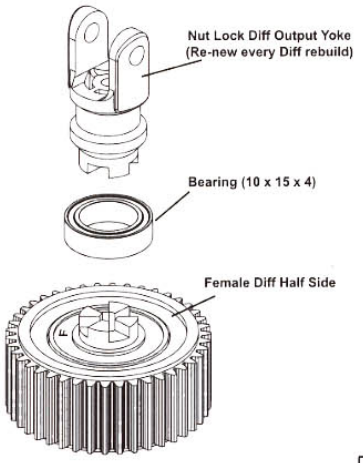


ONLY USE SILICONE GREASE Axle grease will destroy diff action.

5



6

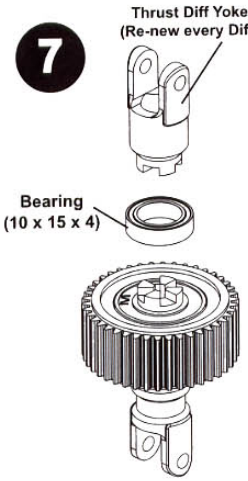


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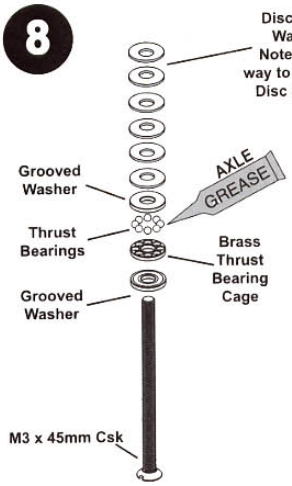
1/6th SCALE LOTUS SPORT ELISE

DIFFERENTIAL BUILD AND SETTINGS

7



8



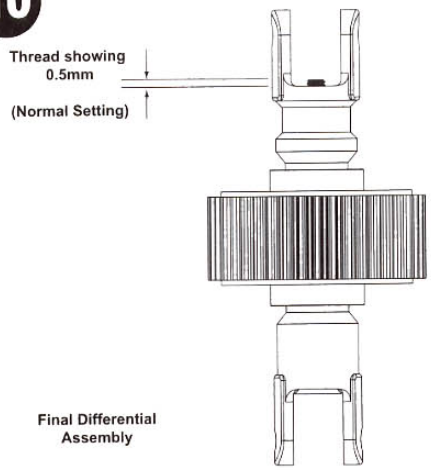


ONLY USE AXLE GREASE

9



10



DIFFERENTIAL CHECK



1. Hold the car down so that the chassis touches the ground.
2. Turn the spur gear and at least one rear wheel must turn.
3. GEAR MUST NOT TURN WITHOUT A WHEEL TURNING.
4. See section 9 & 10 for diff setting.
5. Only tighten diff by half a turn at a time.

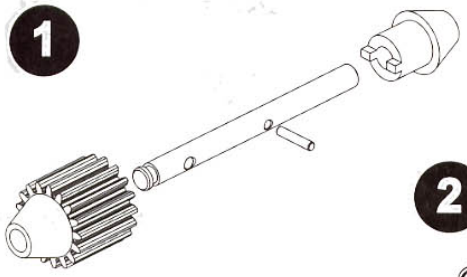
IMPORTANT TEST DIFF PRIOR TO USE AFTER EVERY 20 RUNS

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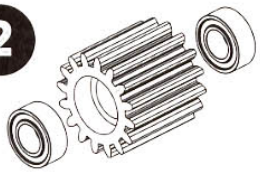
1/6th SCALE LOTUS SPORT ELISE

TRANSMISSION ASSEMBLY

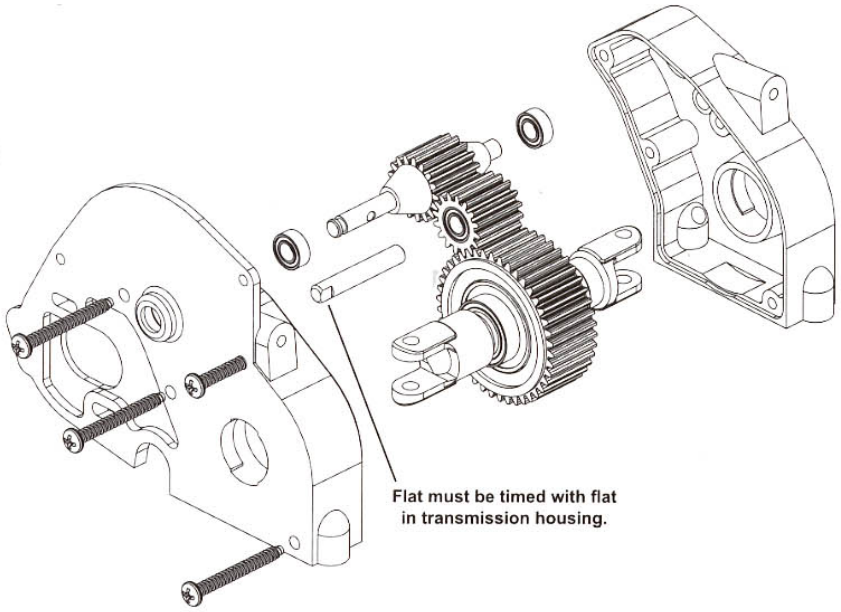
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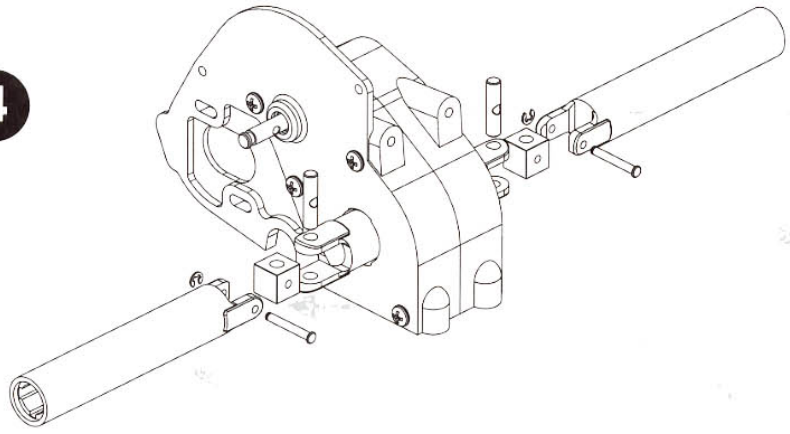
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3



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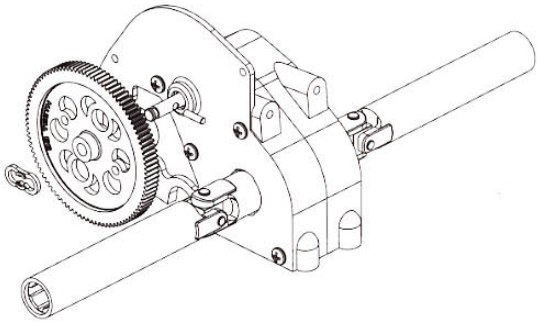


Schumacher

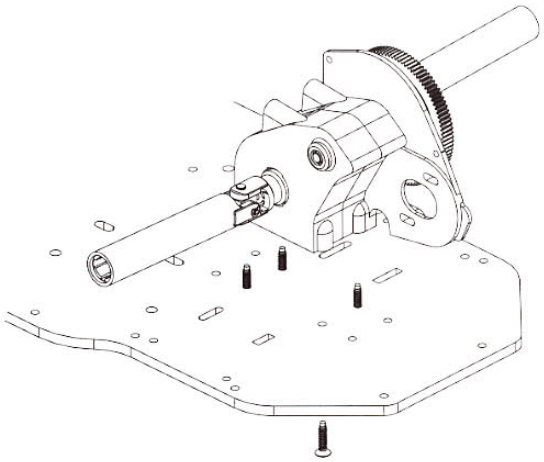
1/6th SCALE LOTUS SPORT ELISE

TRANSMISSION ASSEMBLY

5

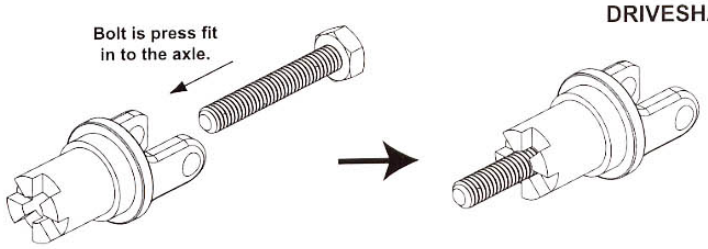


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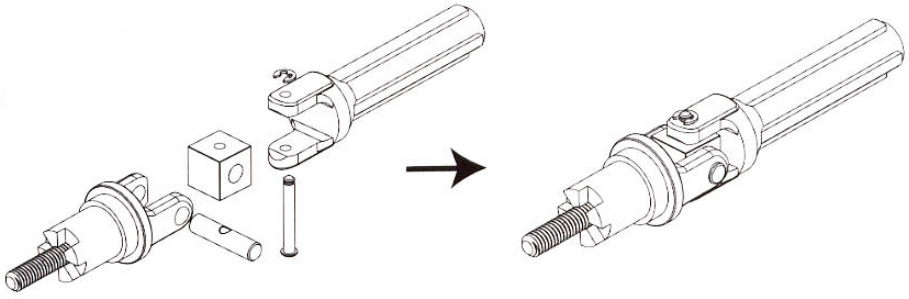


DRIVESHAFT ASSEMBLY

1



2

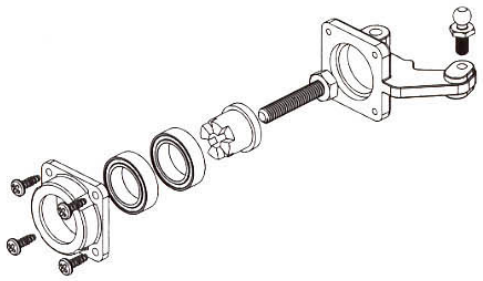


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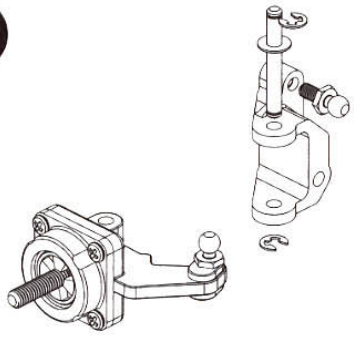
1/6th SCALE LOTUS SPORT ELISE

FRONT SUSPENSION ASSEMBLY

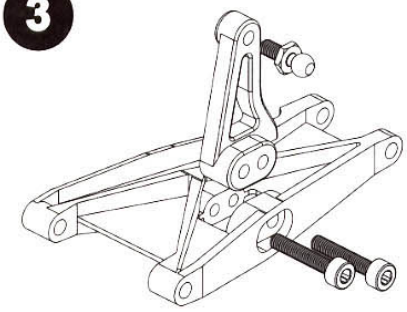
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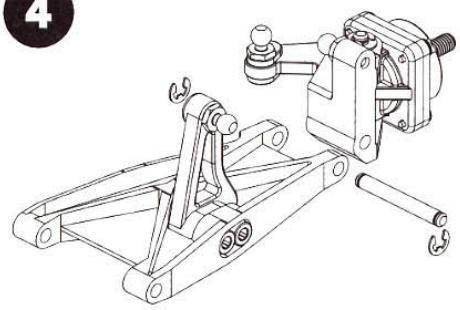
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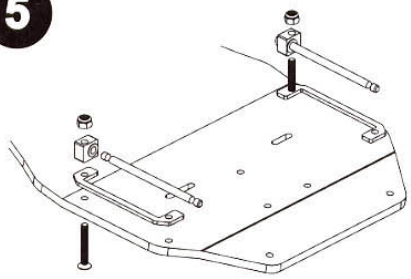
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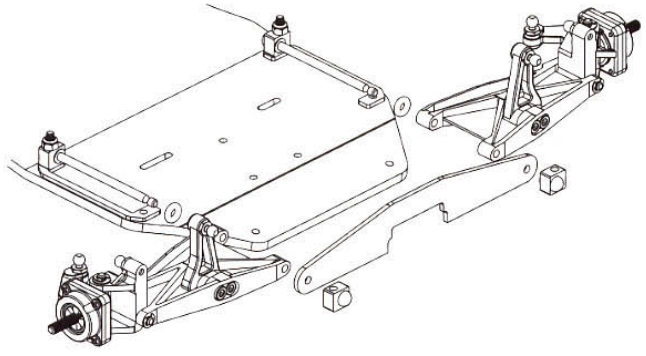
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5



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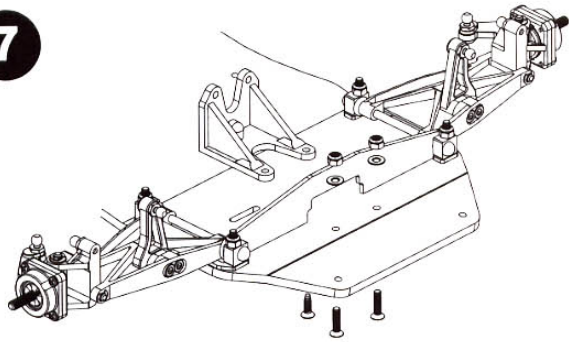


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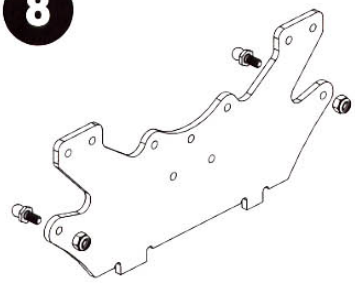
1/6th SCALE LOTUS SPORT ELISE

FRONT SUSPENSION ASSEMBLY

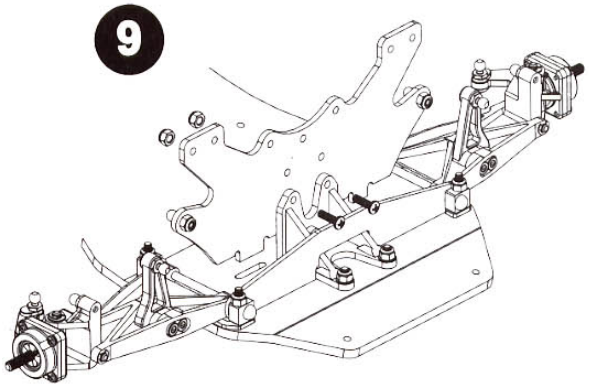
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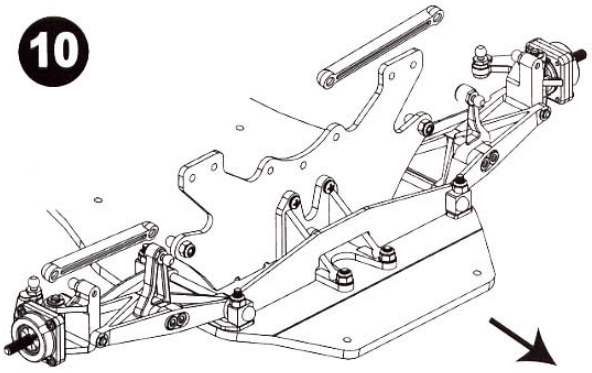
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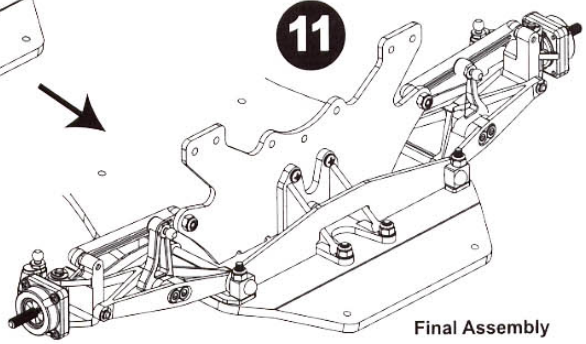
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10



11



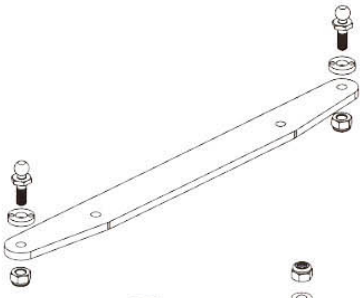
Final Assembly

Schumacher

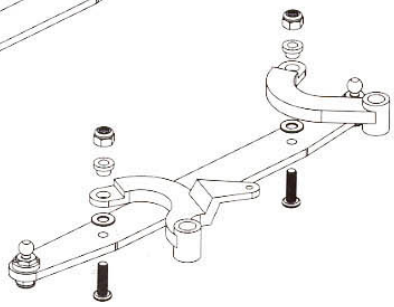
1/6th SCALE LOTUS SPORT ELISE

STEERING LINKAGE

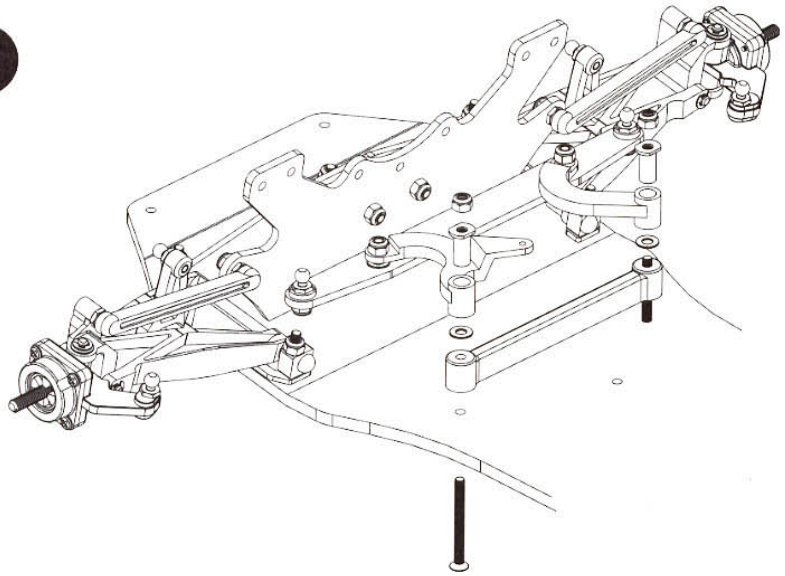
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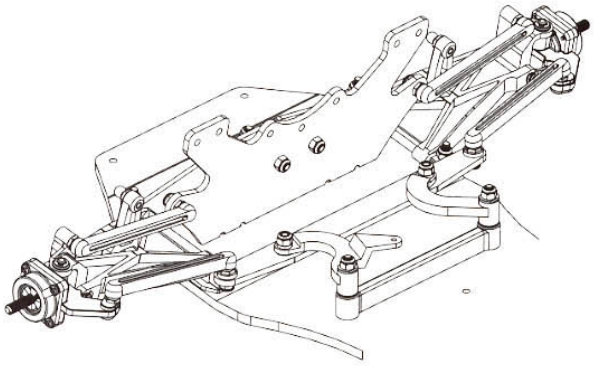


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3

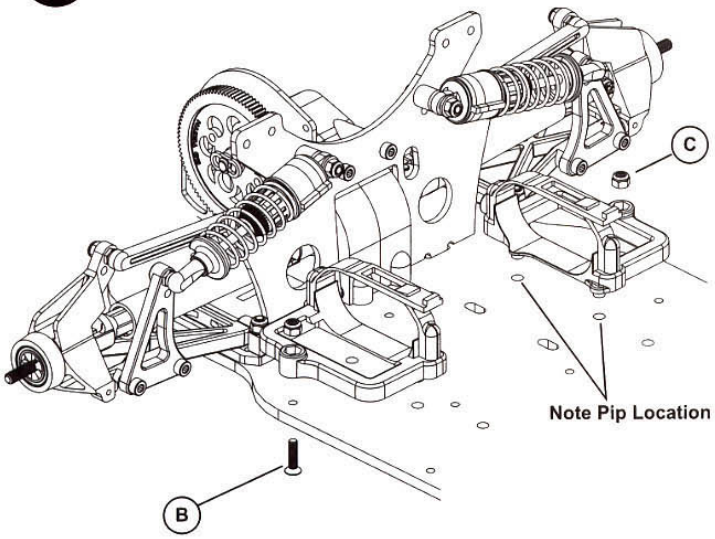




Schumacher

1/6th SCALE LOTUS SPORT ELISE

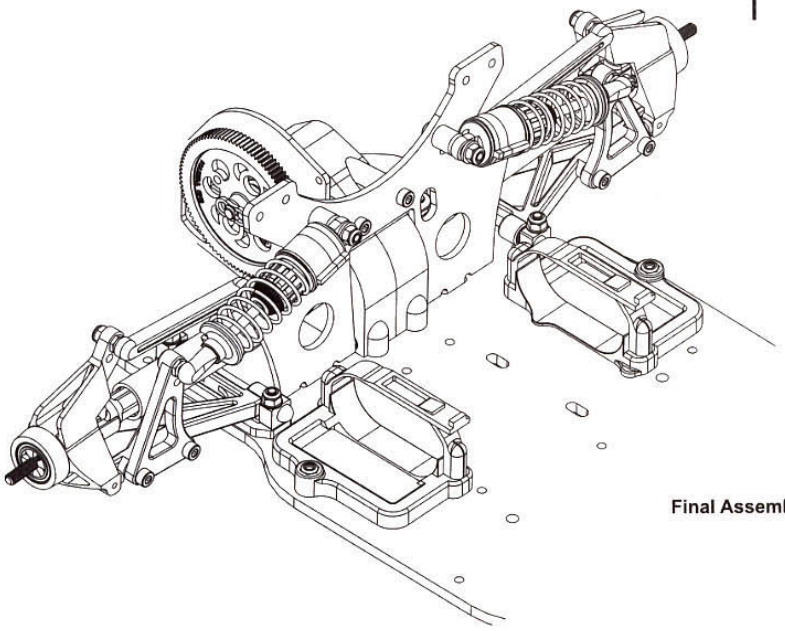
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BATTERY STRAP FITTING

B X2 M3 x 12 Csk Head

C X2 M3 Nyloc Nut



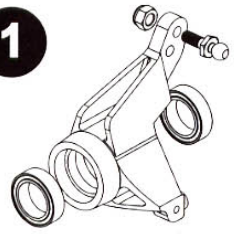
Final Assembly

Schumacher

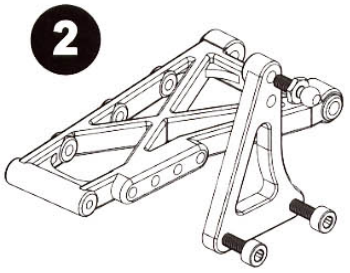
1/6th SCALE LOTUS SPORT ELISE

REAR SUSPENSION

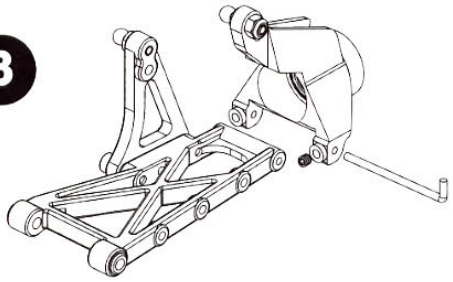
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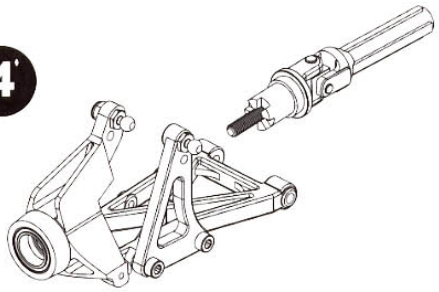
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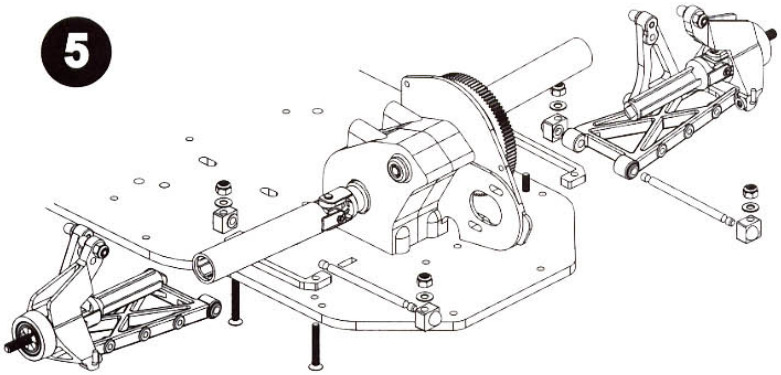
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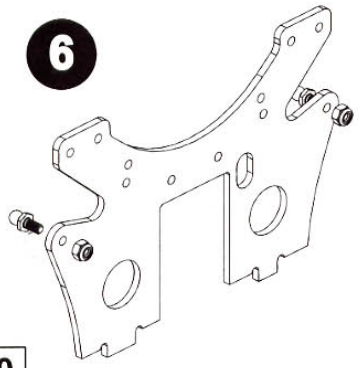
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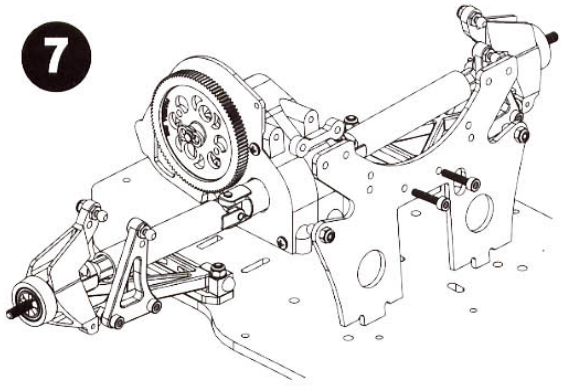
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6



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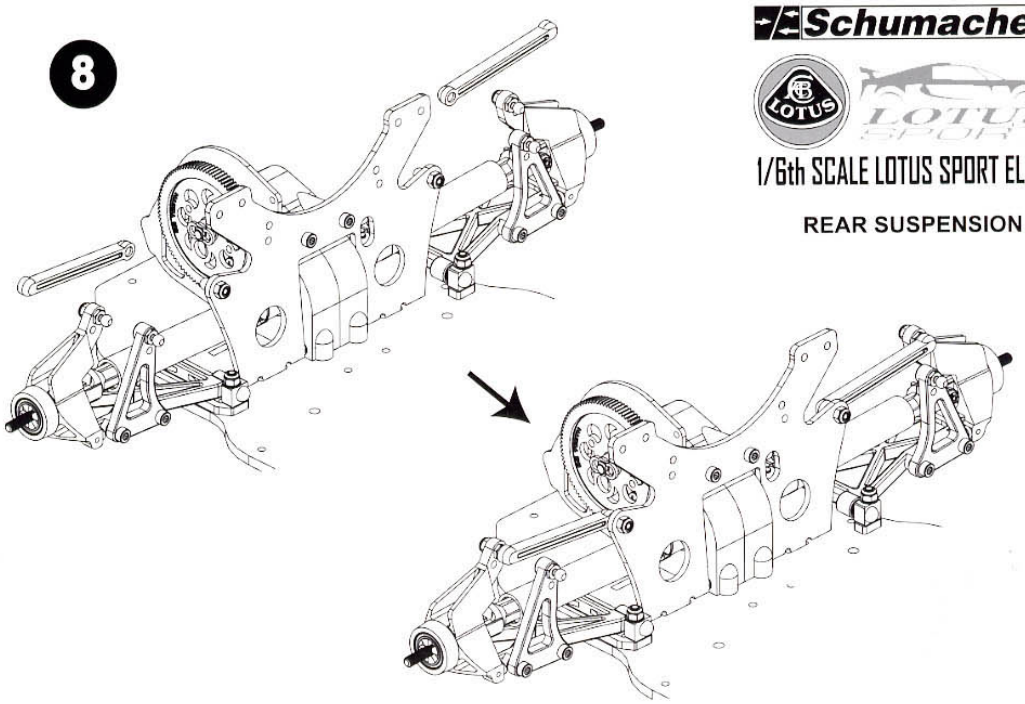


8

Schumacher

1/6th SCALE LOTUS SPORT ELISE

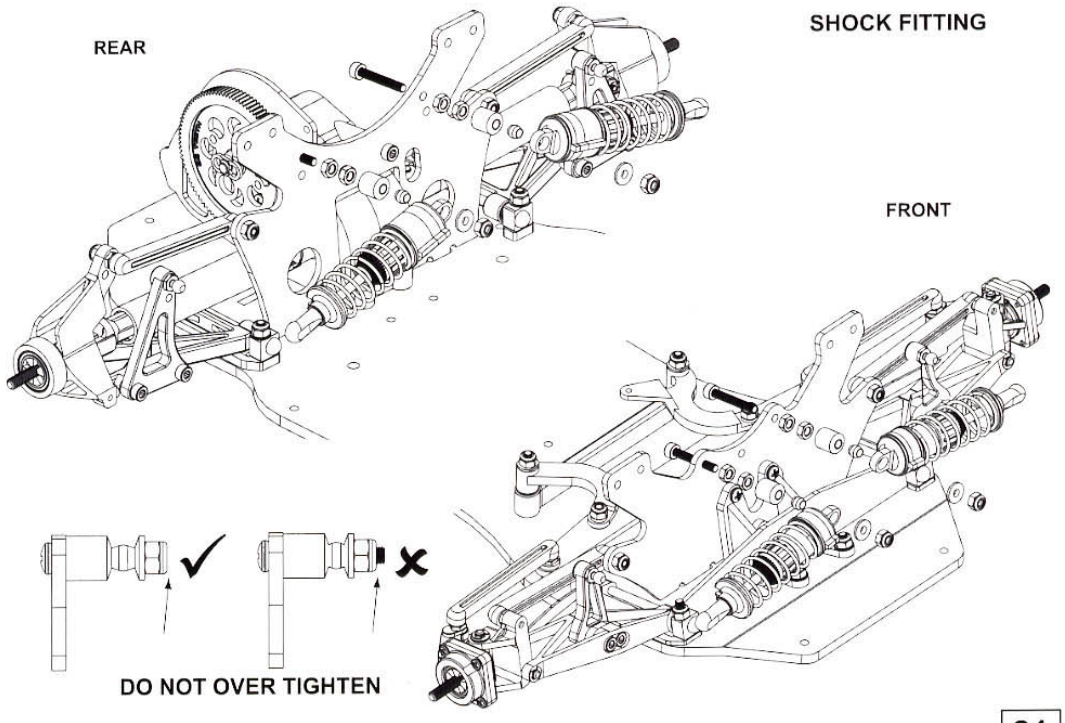
REAR SUSPENSION



SHOCK FITTING

REAR

FRONT



DO NOT OVER TIGHTEN

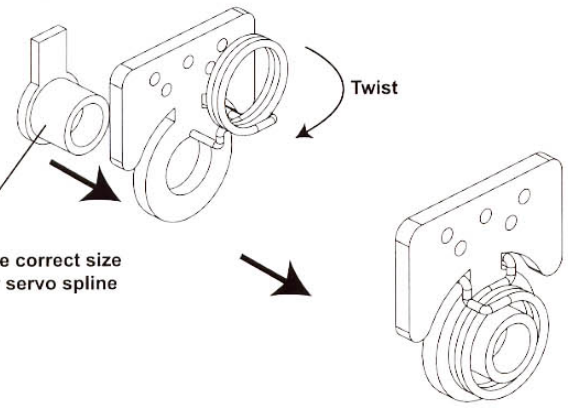
Schumacher

LOTUS SPORT

1/6th SCALE LOTUS SPORT ELISE

STEERING SERVO INSTALLATION

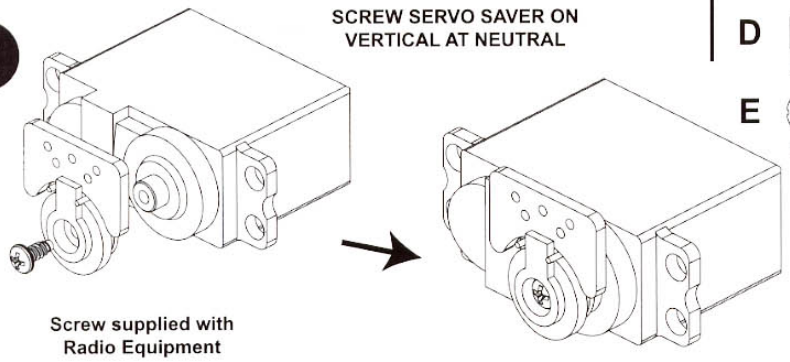
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N.B. Choose correct size
to suit your servo spline

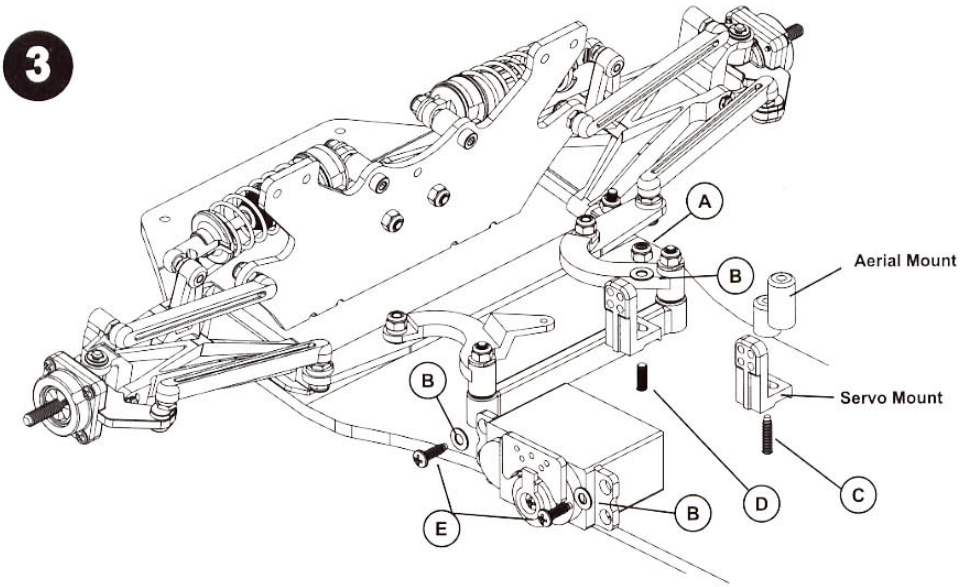
2

SCREW SERVO SAVER ON
VERTICAL AT NEUTRAL



Screw supplied with
Radio Equipment

3



A	X1	M3 Nyloc Nut
B	X3	M3 Steel Washer
C	X1	No4 5/8 Csk Head
D	X1	M3 x 12mm Csk Head
E	X2	No4 3/8 Pan Head

4

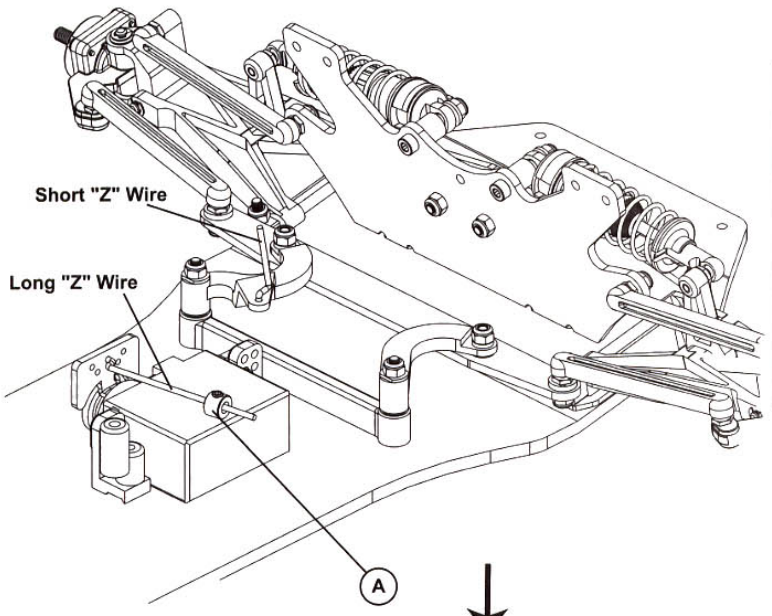
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LOTUS SPORT

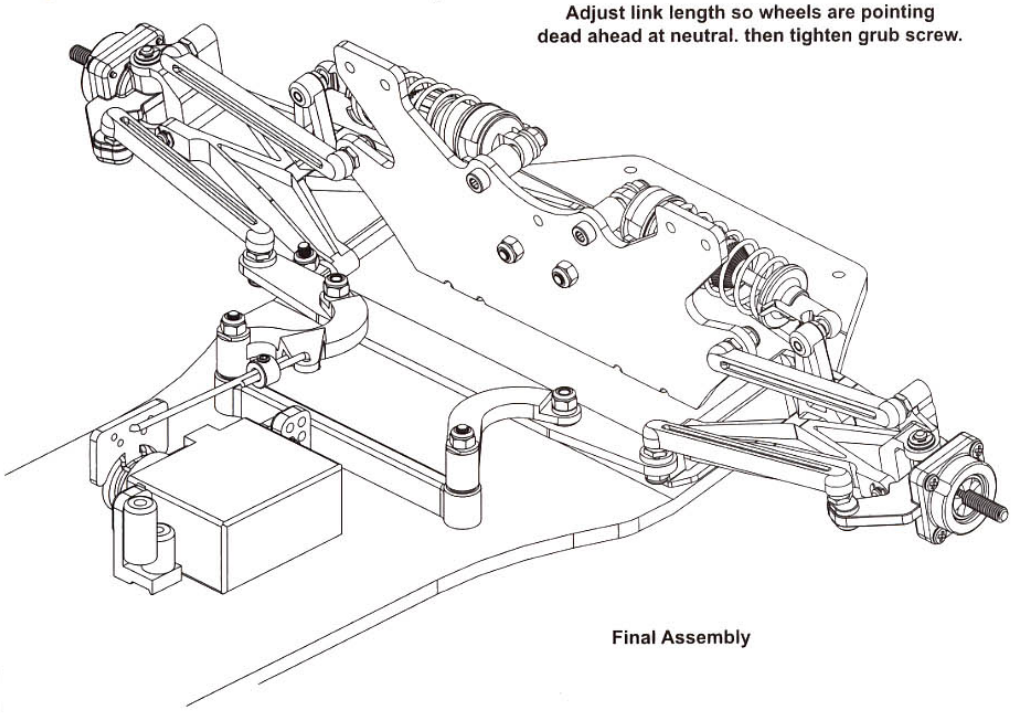
1/6th SCALE LOTUS SPORT ELISE

STEERING SERVO INSTALLATION

A X1 Collar & Grub Screw



Adjust link length so wheels are pointing dead ahead at neutral. then tighten grub screw.



Final Assembly

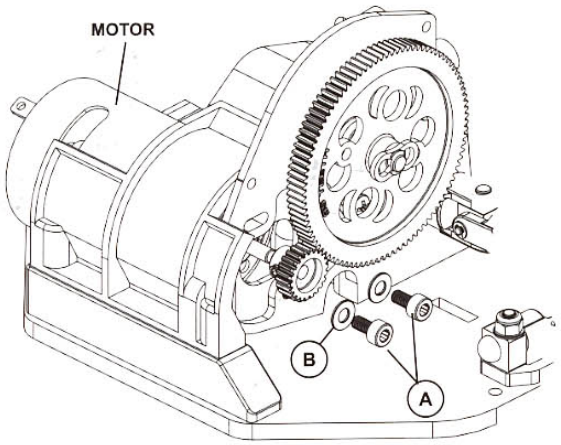
Schumacher

LOTUS SPORT

1/6th SCALE LOTUS SPORT ELISE

MOTOR INSTALLATION

1

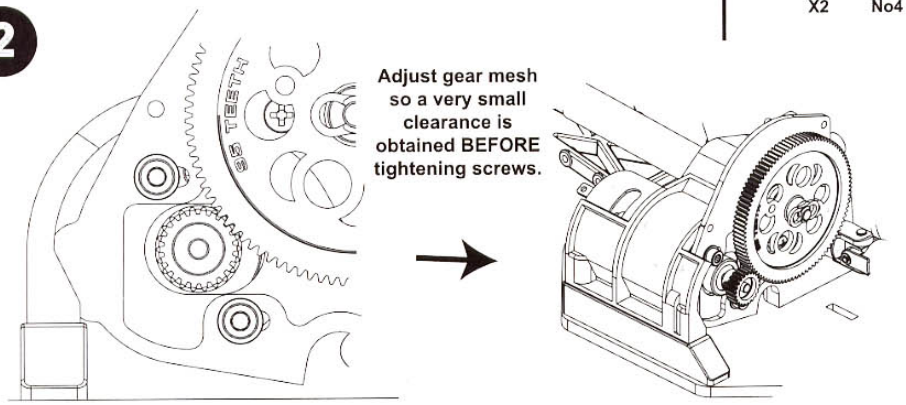


A — X2 — M3 x 6 Cap Head

B — X2 — M3 Steel Washer

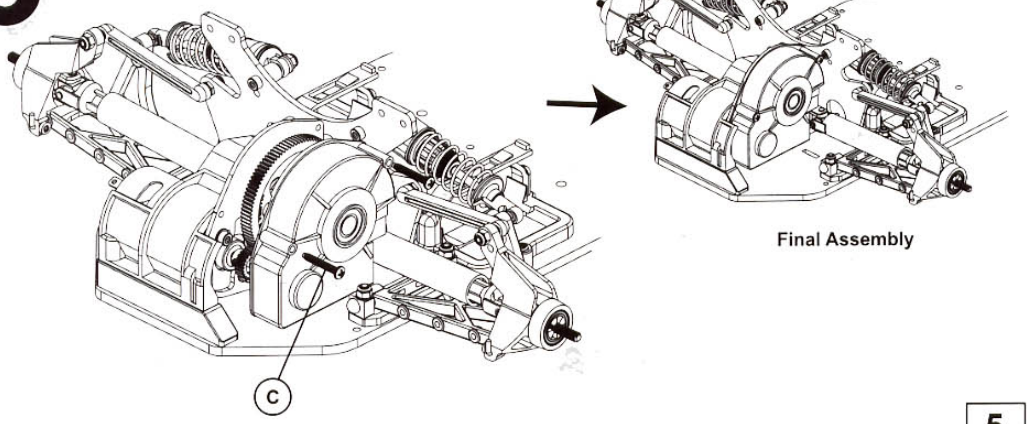
C — X2 — No4 3/4 Pan Head

2



Adjust gear mesh so a very small clearance is obtained BEFORE tightening screws.

3



Final Assembly

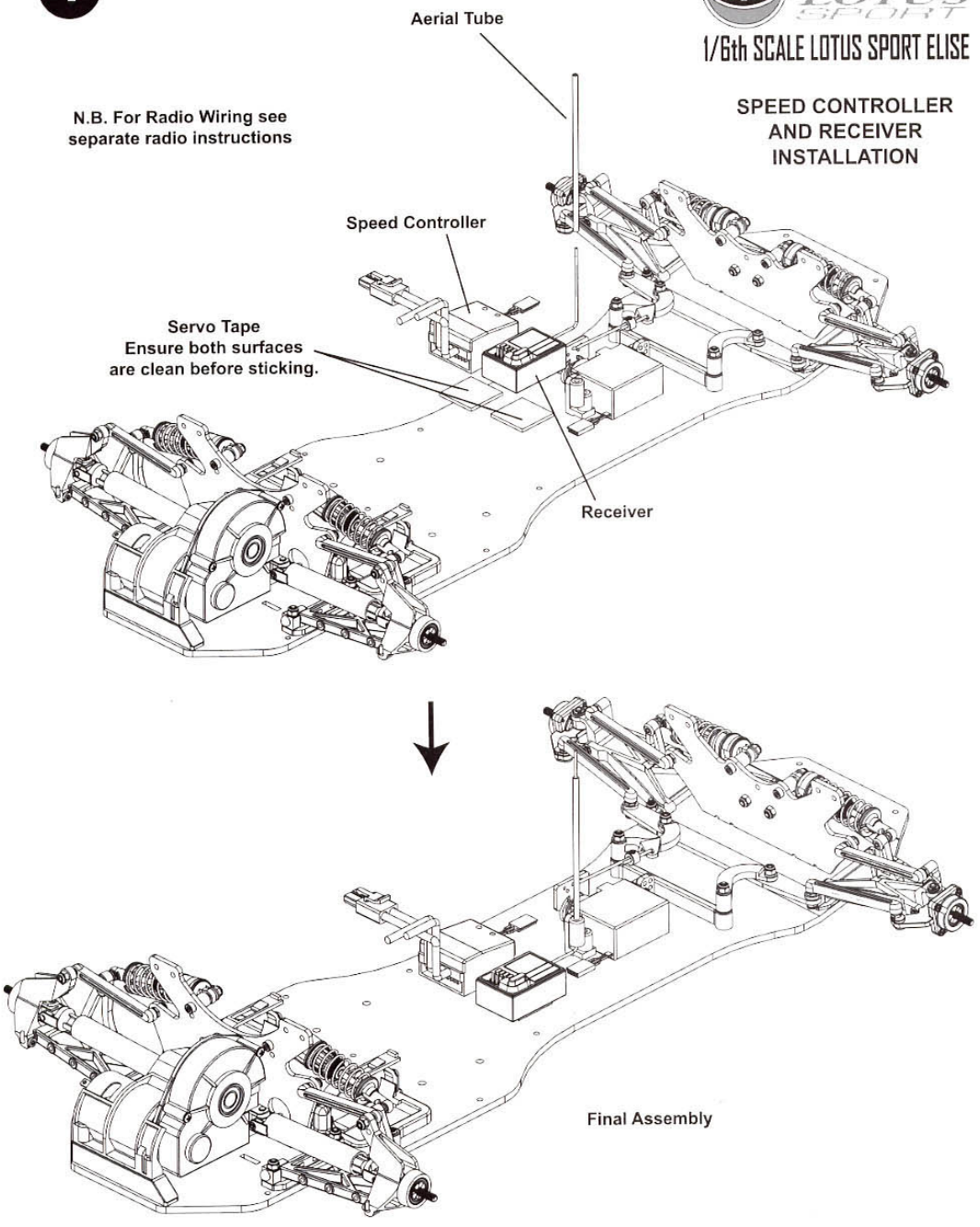
Schumacher

1/6th SCALE LOTUS SPORT ELISE

1

SPEED CONTROLLER
AND RECEIVER
INSTALLATION

N.B. For Radio Wiring see
separate radio instructions

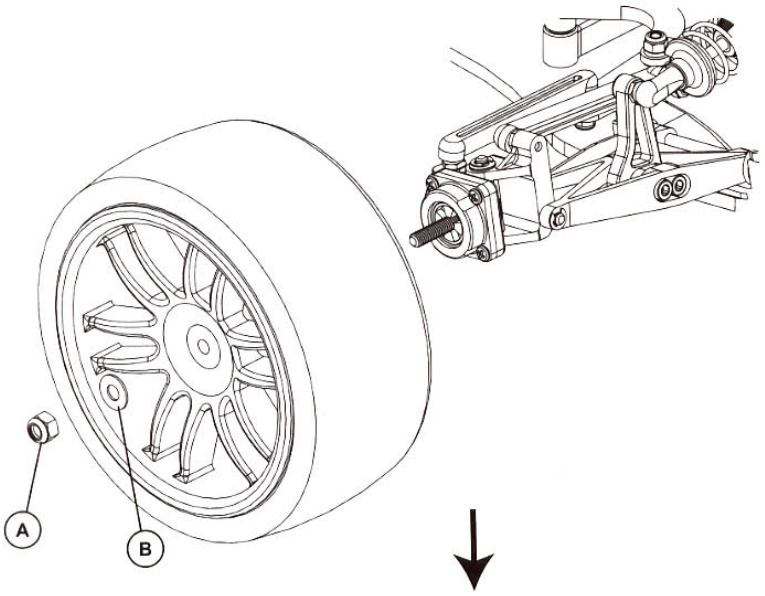


Schumacher

1/6th SCALE LOTUS SPORT ELISE

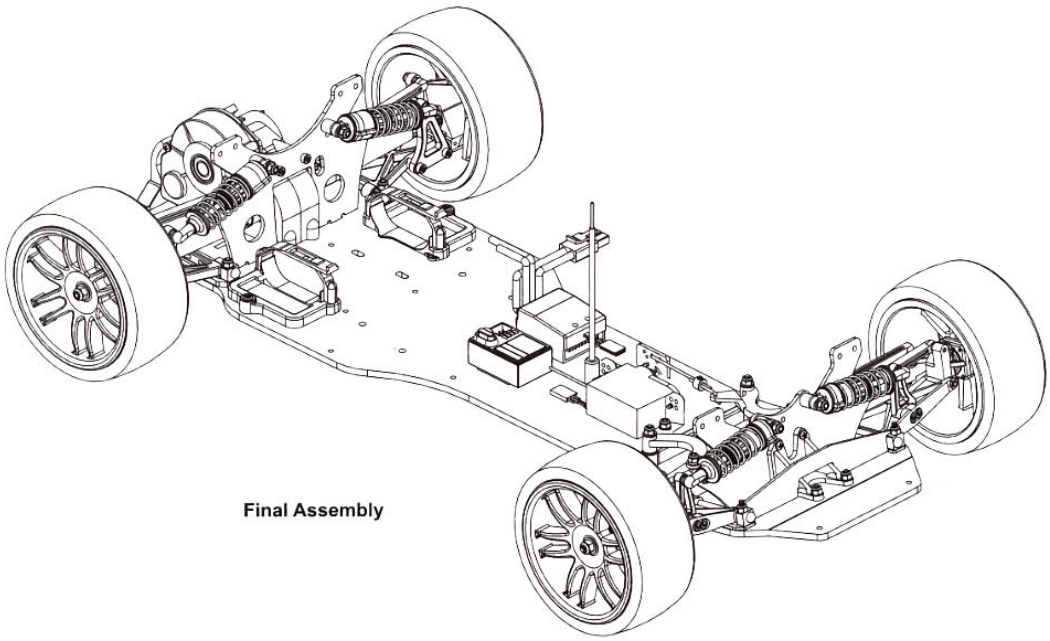
1

N.B. Ensure drive "castle" is located fully before tightening nut.



FITTING OF WHEELS AND TYRES

A	X4	M4 Nyloc Nut
B	X4	M4 Steel Washer



Final Assembly

Schumacher

1/6th SCALE LOTUS SPORT ELISE

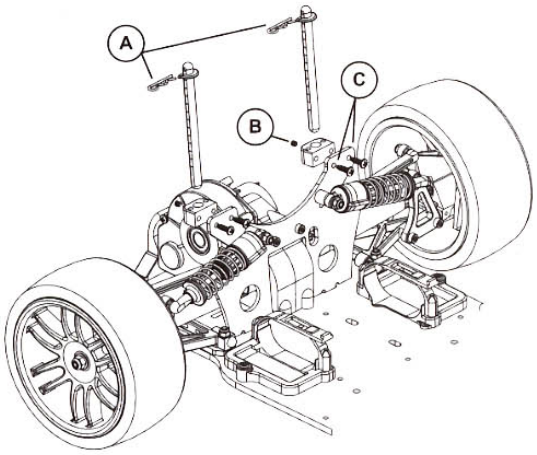
BODY POST MOUNTING

A X4 "R" Clip

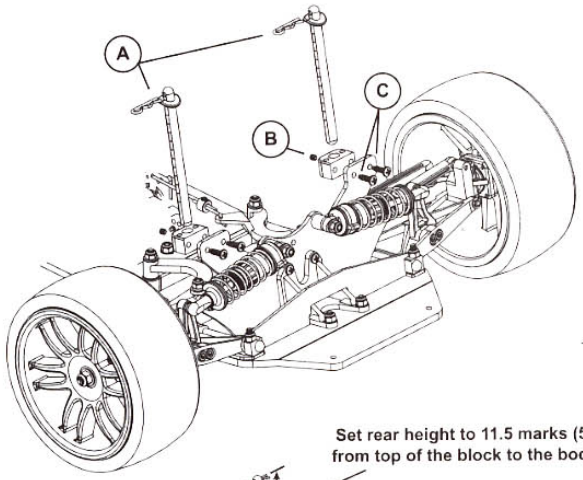
B X4 M3 x 3 Grub Screw

C X8 No4 3/8 Pan Head

1

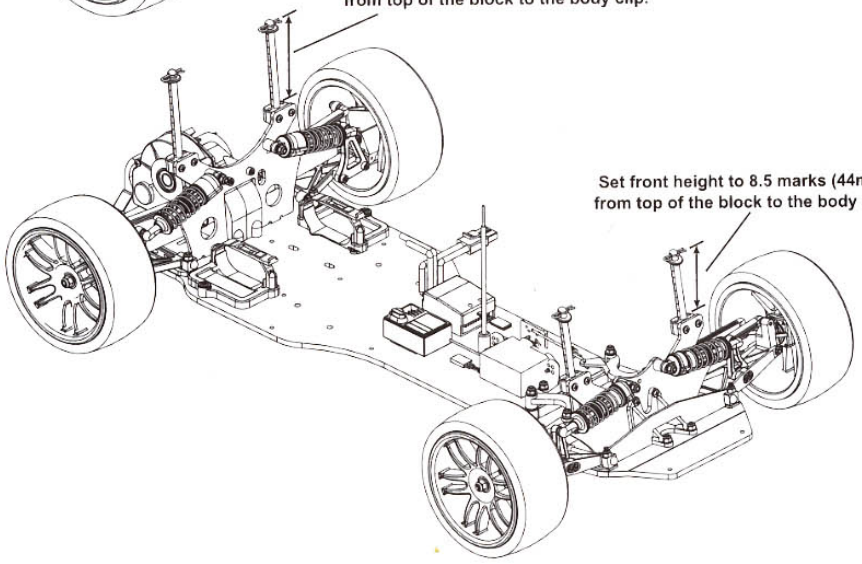


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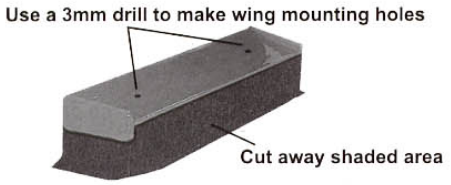
Set rear height to 11.5 marks (58mm) from top of the block to the body clip.

Set front height to 8.5 marks (44mm) from top of the block to the body clip.

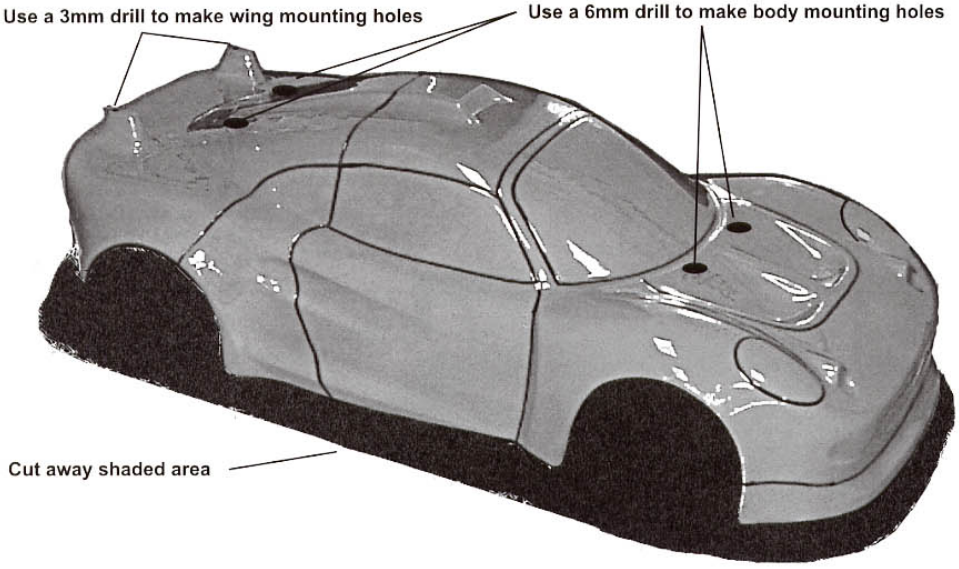


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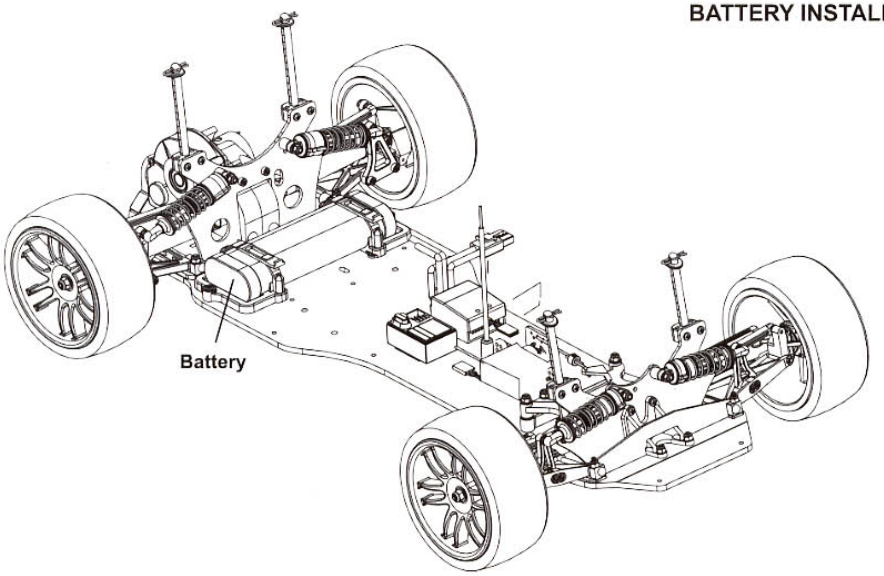
1/6th SCALE LOTUS SPORT ELISE



CUTTING & MOUNTING OF BODYSHELL



BATTERY INSTALLATION



Schumacher

LOTUS SPORT

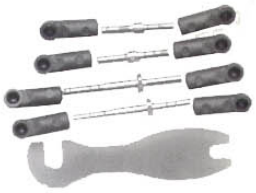
1/6th SCALE LOTUS SPORT ELISE



U2165V - Purple alloy body mounts
Includes flex post. Stronger than originals.



U1559U - Purple Ultra Short Shocks (Pr)
Comes complete with a full spring tuning set.





U1818U - Alloy Shock Seal Housings (pr)
Purple CNC Machined precision alloy housing.
Offers strength, reliability and super smooth operation.



U2361C - Turnbuckle Adjuster Set
Use this Turnbuckle set to allow the adjustment of front and rear camber and front toe-on. The pack contains all the ball-grippas, turnbuckles and tools required.



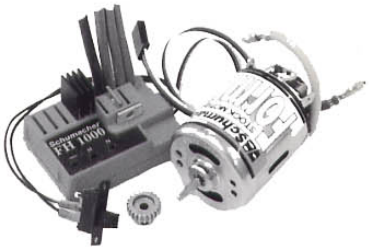
U2096M - Purple Chrome Aerial Mount

U2360B - Saddle Pack Battery Fitting Set (not shown)
Use this to convert your car to hold saddle pack batteries.

U1301W - Silicone Diff Grease - For use in ball diffs.
U1957Y - Moly Axle Grease - The ultimate axle grease.



U2362D - Rear Anti-Roll Bar (not shown)
Help to tune your cars handling to perfection!
Includes all fastenings.





U2364F - Splash Cover (not shown)
This protector cover keeps splashes and dirt away from your valuable electronics.

G984D - Race Power Set - 17 Double and Electronic Speed Controller
This electronic package includes a 17 Double Motor, Electronic Speed Controller Pinion gear and all the required fastenings for quick and easy installation.

G993N - Schumacher Swirl Mouse Mat
Go on, treat your mouse!



U2357X - Front Foam Bumper (not shown)
Better protection for the front of your Lotus!

U2324H - Tungsten Carbide Diff Balls 3mm (pk12)
U1954V - Tungsten Carbide Thrust Bearing (not shown)

Schumacher Racing.
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Northampton,
NN3 6AX.
ENGLAND

Schumacher USA Inc
6302 Benjamin Road,
Suite 404,
Tampa,
Florida 33634,
U.S.A.

Approved and Licensed Product of Group Lotus Limited.



U2363E - Motor Heatsink (not shown)
Helps to keep your motor cool.

U2095L - Chrome Purple Servo Mounts