

 **Schumacher**

**Fireblade™**



## INSTRUCTION MANUAL

Issue 2

S1031

### 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 Fireblade EVO.

### SHOCK OIL

POINTS WHERE SHOCK OIL SHOULD BE APPLIED

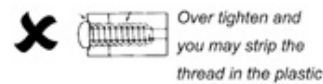
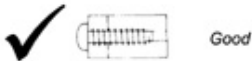


POINTS WHERE AXLE GREASE SHOULD BE APPLIED  
(It will reduce friction & assure smooth movement)



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.



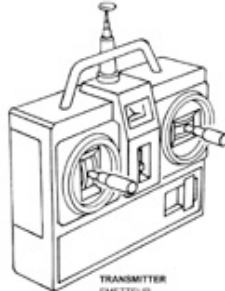
In line with our policy of continuous development the exact specification of the kit may vary.

### 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



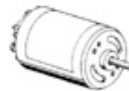
TRANSMITTER  
EMETTEUR  
EMISORA  
FERNSTEUERSENDER MIT MINDESTENS 2-KANALER  
RADIOSTYRNING MED MINST 2-KANALER  
TRASMETTENTE 2 CANALI

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



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

RECEIVER  
RECEPTEUR  
RECEPTOR  
EMFANGER  
MOTTAGARE  
RICEVENTE



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

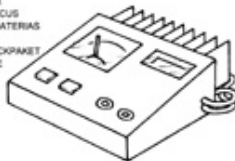


NICAD STICK PACK  
PACK D'ACCUS  
BATERIA RECARGABLE  
AKKUPACK  
ACKPÅKET  
BATERIA RECARGABLE



SPEED CONTROLLER  
VARIATEUR ELECTRONIQUE  
CONTROL DE VELOCIDAD  
FAHRTREGELER  
ELEKTRONISKT FARTREGLAGE  
VARIATORE ELETTRONICO DI VELOCITA

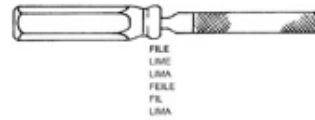
NICAD CHARGER  
CHARGEUR D'ACCUS  
CARGADOR DE BATERIAS  
LADGERÄT  
LADNÄR FÖR ACKPÅKET  
CARICABATTERIE



PAINT FOR BODYSHELL  
BOMBE DE PEINTURE POUR LA CARROSSERIE  
PINTURA CARROCERIA  
LEXANFÄRSEN FÖR DE KAROSSERIE  
LEXANFÄRND TILL KAROSSEREN  
VERNICE SPRAY PER POLICARBONATO



### TOOLS REQUIRED



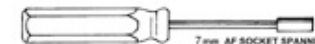
FILE  
LIMA  
LIMA  
FEILE  
FIL  
LIMA



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



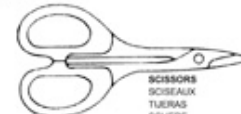
5.5mm AF SOCKET SPANNER  
CLÉ DE 5.5mm A PIPE OU EMMANCHÉE  
LLAVE DE TUBO DE 5.5 mm  
STECKSCHLÜSSEL 5.5 mm  
5.5mm HYLSSKYKEL  
CHIAVE A TUBO DA 5.5mm



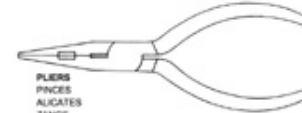
7mm AF SOCKET SPANNER  
CLÉ DE 7mm A PIPE OU EMMANCHÉE  
LLAVE DE TUBO DE 7mm  
STECKSCHLÜSSEL 7mm  
7mm HYLSSKYKEL  
CHIAVE A TUBO DA 7mm



FLAT SCREWDRIVER  
TOURNEVIS PLAT  
ATORNILLADOR PLANO  
SCHRAUBENZIEHER  
SKRUVMESEL  
CACCIAVITE A TAGLIO



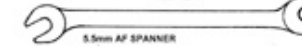
SCISSORS  
CISEAUX  
TIJERS  
SCHERE  
SAX  
FORBICE



PLIERS  
PINCES  
ALICATES  
ZANGE  
TÄNG  
PINZA A BECCHI SOTTILI

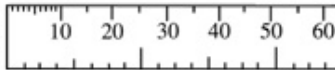


SCALPEL  
CUTLER  
CUCHILLA  
SCHARFES MESSER  
HOBBYKNIV  
CUTTER

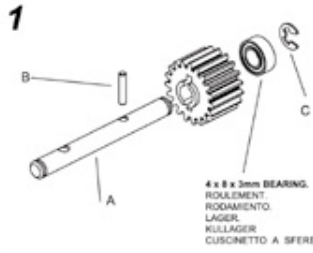


5.5mm AF SPANNER  
CLÉ PLATE DE 5.5mm  
LLAVE FLJA 5.5mm  
GABELSCHLÜSSEL 5.5 mm  
5.5mm FAST NYCKEL  
CHIAVE INGLESE DA 5.5mm

### RULER MILLIMETRES



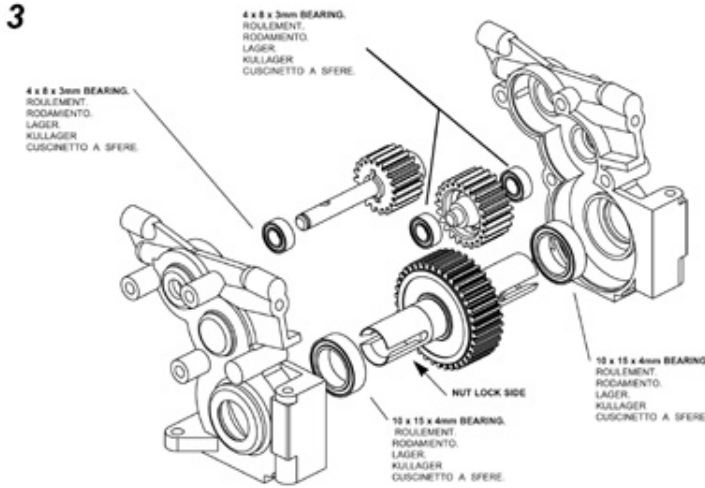
INCHES



**4 x 8 x 3mm BEARING.**  
ROULEMENT.  
RODAMENTO.  
LAGER.  
KULLAGER.  
CUSCINETTO A SFERE.



- IMPORTANT - TAP FIT CENTRALLY.**  
**IMPORTANT - INSTALLATION CENTRALE EN TAPANT.**  
 AJUSTAR BIEN CENTRADO.  
 BEACHTEN SIE DIE BEIDEN KLEINEN NASEN AM ZWISCHENZAHNRAD.  
 VIKTIGT - AXELN MÅSTE CENTERAS.  
 IMPORTANTE L'ALBERNO DEVE ESSERE CENTRATO.
- NOTE: PIPS THIS SIDE, SHAFT THIS WAY IN.**  
 ATTENTION: S'ASSURER QUE L'AXE SOIT MONTE DU BON COTE.  
 INTRODUCER EL EJE POR ESTE LADO.  
 DIE WELLE WIRD WIE GEZEIGT VON DIESER SEITE EINGESCHOBEN.  
 OBSERVERA MARKERINGEN PÅ MELLANDRETVET OCH HUR AXELN MONTERAS.  
 CONTROLLARE CHE L'ALBERNO E IL PERNO SIANO MONTATI NEL VERSO GIUSTO.

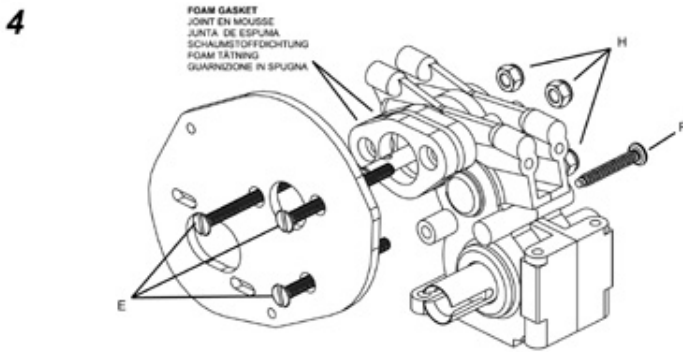


**4 x 8 x 3mm BEARING.**  
ROULEMENT.  
RODAMENTO.  
LAGER.  
KULLAGER.  
CUSCINETTO A SFERE.

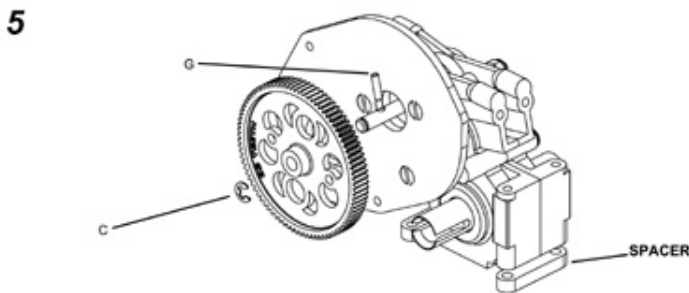
**4 x 8 x 3mm BEARING.**  
ROULEMENT.  
RODAMENTO.  
LAGER.  
KULLAGER.  
CUSCINETTO A SFERE.

**10 x 15 x 4mm BEARING.**  
ROULEMENT.  
RODAMENTO.  
LAGER.  
KULLAGER.  
CUSCINETTO A SFERE.

**10 x 15 x 4mm BEARING.**  
ROULEMENT.  
RODAMENTO.  
LAGER.  
KULLAGER.  
CUSCINETTO A SFERE.



**FOAM GASKET**  
JOINT EN MOUSSE  
JUNTA DE ESPUMA  
SCHWAMMSTÖPFUNG  
FOAM TÄTNING  
GUARNIZIONE IN SPUGNA



**TRANSMISSION  
TRANSMISSION  
TRANSMISSION  
ANTRIEB  
VÅXELLADAN  
TRASMISSIONE**

**BAG 2**



**LAYSHAFT**  
AXE INTERMEDIAIRE  
EJE GETRIEBHAUPTWELLE  
MELLANAXEL  
ALBERNO DELLA TRASMISSIONE



**PIN 1.5mm DIA 8mm LONG**  
GOUVILLE 8mm DE LONGUEUR ET 1.5mm DIA  
PASADOR 1.5mm x 8mm  
STIFT 1.5mm x 8mm  
STIFT 1.5mm x 8mm  
SPINA 1.5mm x 8mm



**E-CLIP**  
CLIP EN E  
GRUPILLA  
E-CLIP  
E-CLIPS  
SEGER



**IDLER SHAFT**  
AXE LIBRE  
EJE DE POLSA INTERMEDIA  
ZWISCHENWELLE  
AXEL MELLANDRETV  
ALBERNO



**M3 x 35 Csk HEAD**  
VIS A TETE DRUCIFORME M3 x 35mm  
TORNILLO M3 x 35mm  
FLACHKOPFSCHRAUBE M3 x 35mm  
M3 SKRUV 35mm  
VITE A TESTA TONDA M3 x 35mm



**M4 x 34 SELF-TAP PANHEAD SCREW**  
VIS AUTO-TARAUDUSE TETE DRUCIFORME  
BLECHSCHRAUBE 10mm  
M4 x 34 (10mm) SÄLJUGÅNGANDE SKRUV  
VITE AUTOFILETTANTE

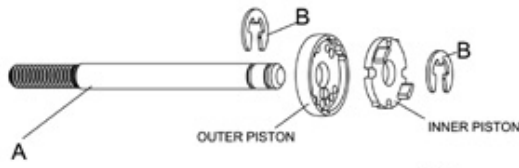


**PIN 2mm DIA 8mm LONG**  
GOUVILLE 8mm DE LONGUEUR ET 2mm DIA  
PASADOR 2mm x 8mm  
STIFT 2mm x 8mm  
STIFT 2mm x 8mm  
SPINA 2mm DIA 8mm



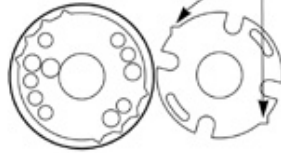
**M3 NYLOC NUT**  
ECROU NYLSTOP M3  
TUERCA M3 NYLOC  
STORMUTTER M3  
M3 LÅSMUTTER  
DADO AUTOBLOCCANTE DA 3mm

1



**X4**

NOTE:  
DO NOT REMOVE  
THESE 2 PIPS



**SHOCK ABSORBERS**

**A** LONG & SHORT  
SHOCK RODS

**B** 'E' CLIP  
X8

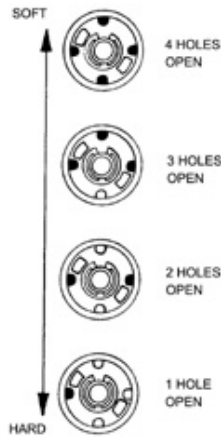
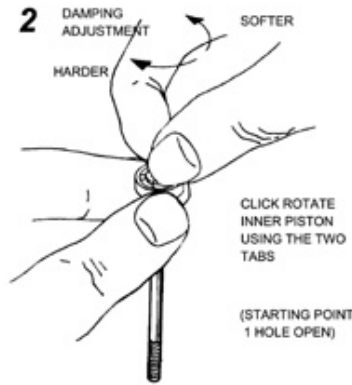
**C** 'O' RING  
SMALL  
X4

**D** 'O' RING  
THICK  
X4

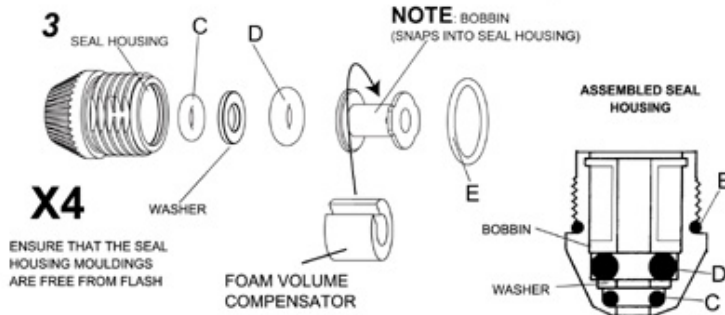
**E** 'O' RING  
BIG THIN  
X4

**F** FOAM VOLUME  
COMPENSATOR  
X4

2

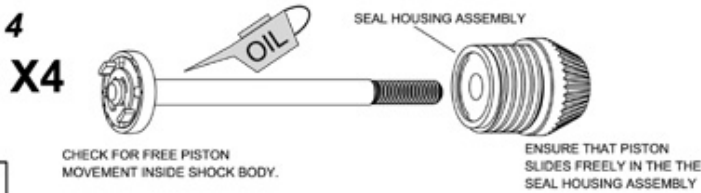


3



**X4**

4



2

5

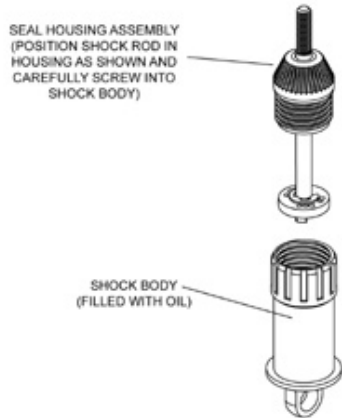


G040E	40w Schumacher Silicone Shock Oil
G045K	45w Schumacher Silicone Shock Oil
G050R	50w Schumacher Silicone Shock Oil
G055X	55w Schumacher Silicone Shock Oil
G060D	60w Schumacher Silicone Shock Oil
G070P	70w Schumacher Silicone Shock Oil
G080C	80w Schumacher Silicone Shock Oil
G100B	100w Schumacher Silicone Shock Oil
G120A	120w Schumacher Silicone Shock Oil

### SHOCK ABSORBERS

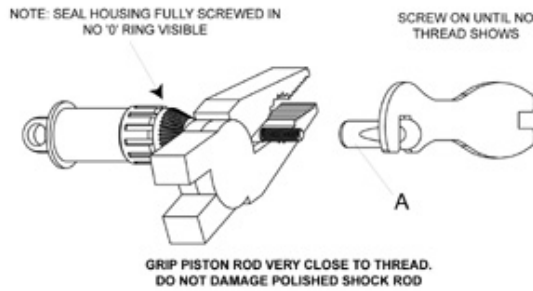


6

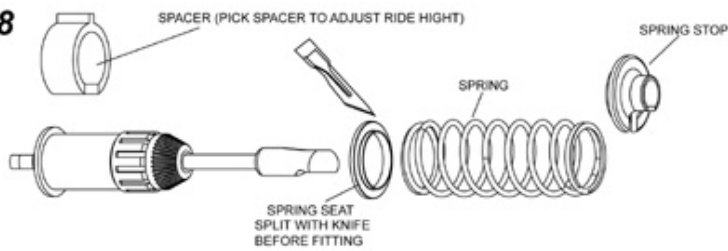


**2 x Short  
2 x Long**

7



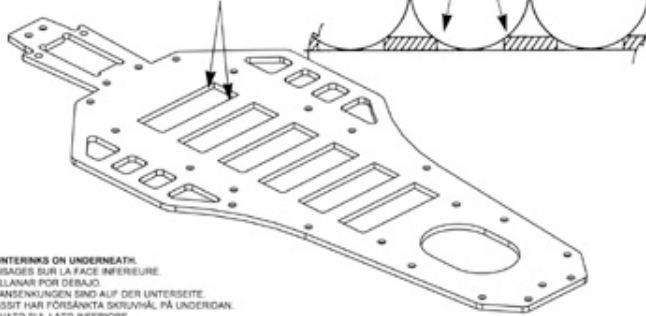
8



1

- CHAMFER EDGES OF NICAD SLOTS USING A FILE
- AU MOYEN D'UNE LIMES, BISCAUTEZ LES ANGLES DES LOGEMENTS NI-CAD.
- SCHAFFLANE LOS BORDES DE LOS HUECOS DE LAS BATERIAS NI-CAD USANDO UNA LIMA.
- FEILEN SIE DIE ÖFFNUNGEN DER AKKUZELLEN VON OBEN SCHRÄG, DAMIT DIE AKKUS MÖGLICHSIT TIEF LIEGEN.
- GRADA AV KANTERNA I SPÄREN DÄR ACKARNA SKALL MONTERAS MED EN FIL.
- SMUGGARE GLI SPICOLI DELL'ALLOGGIAMENTO BATTERIA USANDO UNA LIMA.

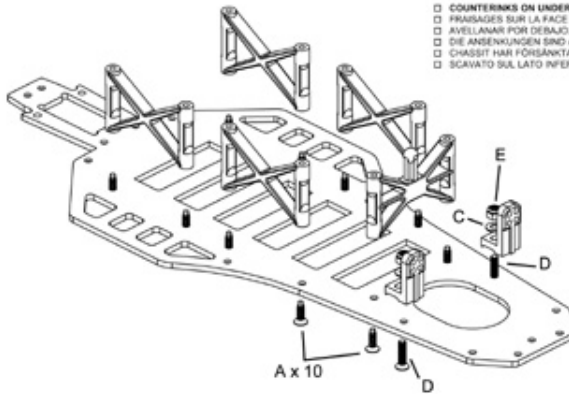
CHAMFER NICAD



- COUNTERSINKS ON UNDERNEATH.
- FRAISAGES SUR LA FACE INFÉRIEURE.
- AVELLANAR POR DEBAJO.
- DIE ANSENKUNGEN SIND AUF DER UNTERSEITE.
- CHASSIT HAR FÖRSÄNKTA SKRUVHÅL PÅ UNDERSIDAN.
- SCAVATO SUL LATO INFERIORE.

2

- COUNTERSINKS ON UNDERNEATH.
- FRAISAGES SUR LA FACE INFÉRIEURE.
- AVELLANAR POR DEBAJO.
- DIE ANSENKUNGEN SIND AUF DER UNTERSEITE.
- CHASSIT HAR FÖRSÄNKTA SKRUVHÅL PÅ UNDERSIDAN.
- SCAVATO SUL LATO INFERIORE.



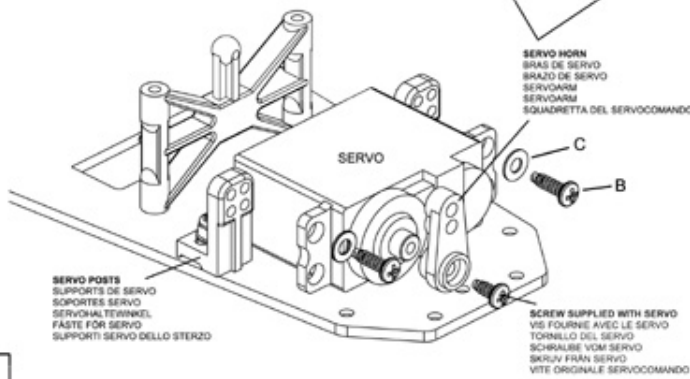
3

- CHOOSE SERVO HORN TO FIT YOUR CHOICE OF SERVO.
- CHOISISSEZ LE PALONNIER QUI CONVIENT A VOTRE SERVO DE DIRECTION.
- ELIJA EL SERVO HORN, MÁS ADECUADO.
- WÄHLEN SIE DEN ZU IHREM SERVO PASSENDEN ARM.
- VÄLJ DEN SERVÖARM SOM PASSAR DITT STYRSERVO.
- SCEGLIETE LA SQUADRETTA CHE SI ADATTA AL VOSTRO SERVOCOMANDO.

KO or SANWA KO S/A FUTABA F



SERVO HORN  
BRAS DE SERVO  
BRAZO DE SERVO  
SERVOARM  
SERVOARM  
SQUADRETTA DEL SERVOCOMANDO



SERVO POSTS  
SUPPORTS DE SERVO  
SOPORTES SERVO  
SERVOHALTEWINKEL  
FASTE FOR SERVO  
SUPPORTI SERVO DELLO STERZO

SCREW SUPPLIED WITH SERVO  
VIS FOURNIE AVEC LE SERVO  
TORNELLO DEL SERVO  
SCHRAUBE VOM SERVO  
SKRUV FRÅN SERVO  
VITE ORIGINALE SERVOCOMANDO

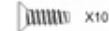
4

**Schumacher**

**CHASSIS  
CHASSIS  
CHASSIS  
CHASSIS  
CHASSI  
TELAIO**

**BAG 1**

**A** X10



No4 x 3/8" SELF-TAP CSK SCREW  
VIS AUTO-TARAUSEUSE TÊTE FRAISÉE No4 x 3/8"  
No4 x 3/8"  
SENKKOPF-ELECHSCHRAUBE 10mm  
No4 x 3/8" (10mm) SÄLVGÅNGANDE SKRUV  
VITE AUTOFILETTANTE CON TESTA SVASATA

**B** X2



No4 x 3/8" SELF-TAP PAN-HEAD SCREW  
VIS AUTO-TARAUSEUSE TÊTE CRUCIFORME  
No4 x 3/8"  
ELECHSCHRAUBE 10mm  
No4 x 3/8" (10mm) SÄLVGÅNGANDE SKRUV  
VITE AUTOFILETTANTE

**C** X4



M3 STEEL WASHER  
RONDELLE METALLIQUE  
ARANDILLA ACERO M3  
BELAGSCHRIBE M3  
M3 STÅLSKRIBKA  
RONDELLA IN ACCIAIO DA 3mm

**D** X2



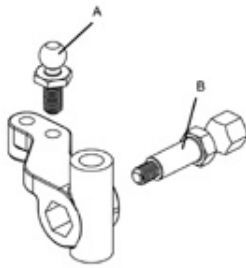
M3 x 12mm CSK SCREW  
VIS TÊTE FRAISÉE M3 x 12mm  
M3 x 12 mm  
SENKKOPF-SCHRAUBE M3 x 12mm  
M3 x 12mm FÖRSÄNKAT SKRUV  
VITE CON TESTA SVASATA DA 3 x 12mm

**E** X2



M3 NYLON NUT  
ECROU NYLSTOP M3  
TUERCA M3 NYLON  
STOPMUTTER M3  
M3 LÅSMUTTER  
DADO AUTOBLOCCANTE DA 3mm

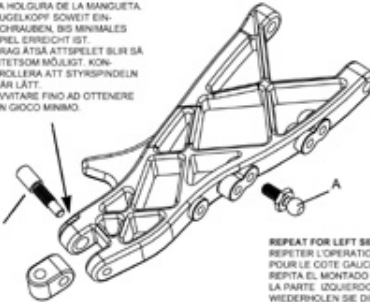
**1**



**REPEAT FOR LEFT SIDE.**  
 REPETER L'OPERATION POUR LE COTE GAUCHE.  
 REPITA EL MONTADO PARA LA PARTE IZQUIERDA.  
 WIEDERHOLEN SIE DIE MONTAGE FÜR DIE LINKE SEITE.  
 UPPREPA MONTERINGEN FÖR VÄNSTER SIDA.  
 RIPETERE IL MONTAGGIO PER IL LATO SINISTRO.

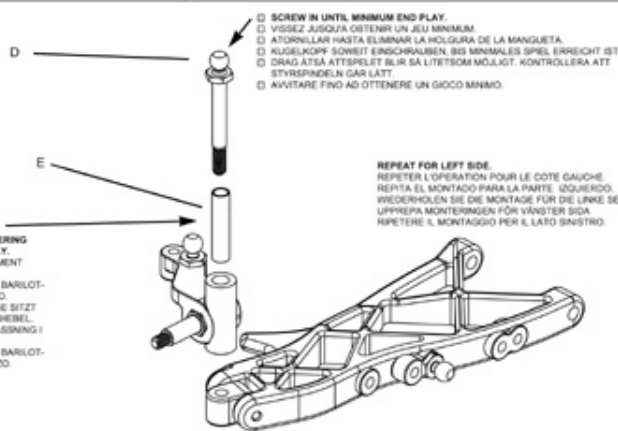
**2**

- **SCREW IN UNTIL MINIMUM END PLAY.**
- VISSEZ JUSQU'A OBTENIR UN JEU MINIMUM.
- ATORNILLAR HASTA ELIMINAR LA HOLGURA DE LA MANQUETA.
- KUGELKOPF SOWEIT EINSCHRAUBEN, BIS MINIMALES SPIEL ERREICHT IST.
- DRAG ÅTSA ÅTTSPELLET BLIR SÅ LITETSOM MÖJLIGT. KONTROLLERA ÅTT STYRSPINDELN GÅR LÄTT.
- AVITARE FINO AD OTTENERE UN GIOCO MINIMO.



**REPEAT FOR LEFT SIDE.**  
 REPETER L'OPERATION POUR LE COTE GAUCHE.  
 REPITA EL MONTADO PARA LA PARTE IZQUIERDA.  
 WIEDERHOLEN SIE DIE MONTAGE FÜR DIE LINKE SEITE.  
 UPPREPA MONTERINGEN FÖR VÄNSTER SIDA.  
 RIPETERE IL MONTAGGIO PER IL LATO SINISTRO.

**3**

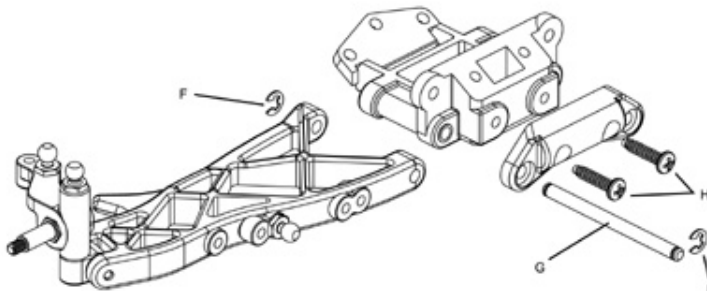


- **TIGHT FIT IN STEERING BLOCK ASSEMBLY.**
- INSERIR FERMEMENT DANS LA FUSEE.
- MONTAGGIO DEL BARLOTTO DELLO STERZO.
- ABSTANDSCHÜLSE SITZT STRAMM IM LENKHEBEL.
- HAR EN TIGHT PASSNING I STYRSPINDELN.
- MONTAGGIO DEL BARLOTTO DELLO STERZO.

- **SCREW IN UNTIL MINIMUM END PLAY.**
- VISSEZ JUSQU'A OBTENIR UN JEU MINIMUM.
- ATORNILLAR HASTA ELIMINAR LA HOLGURA DE LA MANQUETA.
- KUGELKOPF SOWEIT EINSCHRAUBEN, BIS MINIMALES SPIEL ERREICHT IST.
- DRAG ÅTSA ÅTTSPELLET BLIR SÅ LITETSOM MÖJLIGT. KONTROLLERA ÅTT STYRSPINDELN GÅR LÄTT.
- AVITARE FINO AD OTTENERE UN GIOCO MINIMO.

**REPEAT FOR LEFT SIDE.**  
 REPETER L'OPERATION POUR LE COTE GAUCHE.  
 REPITA EL MONTADO PARA LA PARTE IZQUIERDA.  
 WIEDERHOLEN SIE DIE MONTAGE FÜR DIE LINKE SEITE.  
 UPPREPA MONTERINGEN FÖR VÄNSTER SIDA.  
 RIPETERE IL MONTAGGIO PER IL LATO SINISTRO.









**4**



**REPEAT FOR LEFT SIDE.**  
 REPETER L'OPERATION POUR LE COTE GAUCHE.  
 REPETER EN EL LADO IZQUIERDO.  
 WIEDERHOLEN SIE DIE MONTAGE FÜR DIE LINKE SEITE.  
 UPPREPA MONTERINGEN FÖR VÄNSTER SIDA.  
 RIPETERE IL MONTAGGIO PER IL LATO SINISTRO.

**FRONT SUSPENSION  
 SUSPENSION AVANT  
 SUSPENSION DELANTERA  
 AUFHÄNGANG VORN  
 FRAMVAGNEN  
 SOSPENSIONI ANTERIORI**

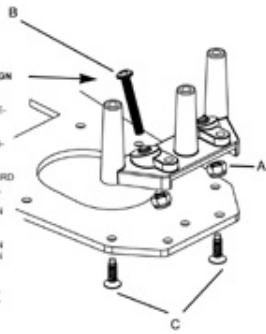
**BAG 2**

- A**  X4  
**BALL STUD SHORT**  
 ROTULE A VIS COURTE  
 ROTULA CORTA  
 KUGELKOPF KURZ  
 KULA FÖR KULLED-KORT  
 TESTINA PER UNI-BALL (TIPO CORTO)
- B**  X2  
**TRAILING DEAD AXLE**  
 AXE DE ROUE  
 EJE DE RUEDA FUJ  
 RADACHSE  
 FRAMAXEL  
 INSERIMENTO DEL MOZZO RUOTA ANTERIORE
- C**  X2  
**SACS PIVOT PIN**  
 AXE DE PIVOT DE FUSÉE SACS  
 EJE PEGUENO DE TRAPEZIO  
 SACS - WELLE  
 SACS AXEL  
 PERNO DI SUPPORTO AVANTRENDO SACS
- D**  X2  
**SACS PIVOT BALL**  
 AXE DE FUSÉE A ROTULE SACS  
 ROTULA - EJE  
 KUGELKOPF EXTRA LANG FÖR SACS  
 SACS KINGPIN  
 KING PIN AVANTRENDO SACS
- E**  X2  
**STEERING BLOCK TUBE**  
 MANCHON DE FUSÉE  
 CASQUILLO ESPACIADOR  
 DISTANZSTÜCK  
 ROD  
 TUBETTO DISTANALE
- F**  X4  
**E-CLIP**  
 CLIP EN E  
 GRUPELLA  
 E-CLIP  
 "E"-CLIPS  
 SEKER
- G**  X2  
**42mm 1/8" PIVOT PIN**  
 AXE 1/8" 42mm  
 PIVOTE 1/8" 42mm  
 HALSTIF 1/8" 42mm  
 1/8" AXEL 42mm  
 PERNO DA 1/8" 42mm
- H**  X2  
**No4 x 1/2" SELF-TAP PANHEAD SCREW**  
 VIS AUTO-TARALDISE TETE CRUCIFORME  
 No 4 x 1/2"  
 BLECHSCHRAUBE 13mm  
 No4 x 1/2" (13mm) SÄLVLÖGÅNGANDE SKRUV  
 VITE AUTOFILETTANTE

**5**

**5**

- ONLY USE TO ALIGN NYLOC NUTS.
- A UTILISER QUE POUR ALIGNER L'ÉCROU NYLSTOP.
- USARLO SOLAMENTE PARA ALINER LA TUERCA AUTOBLOQUEANTE.
- DIE SCHRAUBE WIRD NUR VERWENDET, UM DIE DODEN STOPMUTTERN AN IHREN PLATZ ZU ZIEHEN.
- ANVÄND SKRIVEN FOR ATT PASSA IN MUTTERN.
- DA USARSI SOLO PER ALLINEARE IL DADO AUTOBLOCCANTE.



**7**



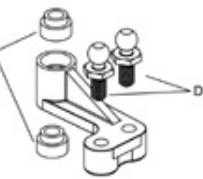
MOULDED 1/4" x 1/8" BUSH  
BAGUE  
CASQUILLO  
GLEITLAGER  
RUBSING  
BRONZINA

MOULDED SPACER BUSH

SPEED SECRETS BEARINGS U1248V

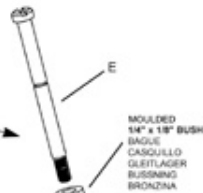
**6**

MOULDED 1/4" x 1/8" BUSH  
BAGUE  
CASQUILLO  
GLEITLAGER  
RUBSING  
BRONZINA



**8**

- SCREW IN UNTIL MINIMUM END PLAY.
- VISSEZ JUSQU'À OBTENIR UN JEU MINIMUM.
- ATORNILLAR HASTA ELIMINAR LA HUELGURA DE LA MANIQUETA.
- KUGELKOPF SOWEIT EINSCHRAUBEN, BIS MINIMALES SPIEL ERREICHT IST.
- DRAG ÅTSA ÅTTSPELET BLIR SA LITETSDOM MÖJLIGT. KONTROLLERA ATT STYRSPINDLEN GÅR LÄTT.
- AVVITARE FÖR ÅD ÖTTENRE: EN GODD MINIMO.



- ENSURE FREE MOVEMENT OF PARTS.
- SPASSURER DU LIBRE MOUVEMENT DES PIÈCES POUR COMPLÉMENTAIRE.
- ACHTEN SIE AUF LEICHTGANGSKEIT ALLER BEWEGTEN TEILE.
- KONTROLLERA ATT STYRNINGEN GÅR LÄTT.
- ASSICURARSI CHE OGNI PARTE SI MUOVA LIBERAMENTE.

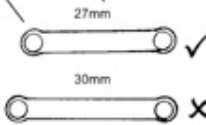
- THERE ARE 2 SIZES. SEE TRACK SETTINGS FOR MORE DETAIL.
- DEUX TAILLES DISPONIBLES. VOR LES REGLAGES POUR COMPLÉMENTAIRE.
- HAY DOS TAMAÑOS DE TIRANTES DE DIRECCIÓN. PARA MAS DETALLES. VER AJUSTES SEGUN PISTA.
- ES GIBT 2 GRÖSSEN VON MITTLEREN SPURSTÄNGEN. EINE BESCHREIBUNG FINDEN SIE BEI DEN EINSTELLHINWEISEN.
- DET FINNS TVÅ LÅNGDER PÅ MELLANARMEN: SE "TRACK SETTINGS" FÖR MER INFO.
- CI SONO DUE TIPI DI TIRANTI DELLO STERZO. PER MAGGIORI INFORMAZIONI CONTROLLATE LA SEZIONE "ASSETTIV".

**6**

**FRONT SUSPENSION  
SUSPENSION AVANT  
SUSPENSION DELANTERA  
AUFHÄNGANG VORN  
FRAMVAGNEN  
SOSPENSIONI ANTERIORI**

**BAG 2**

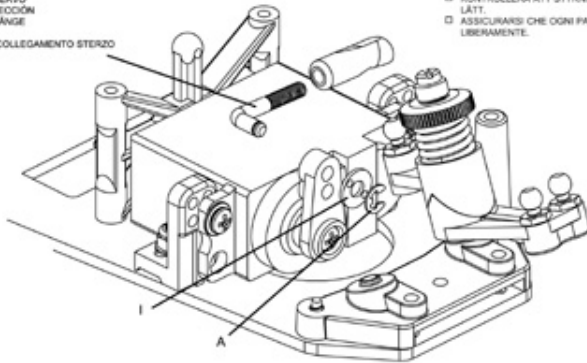
- A** X2  
M3 NYLOC NUT  
ÉCROU NYLSTOP M3  
TUERCA M3 NYLOC  
STOPMUTTER M3  
M3 LASMUTTER  
DADO AUTOBLOCCANTE DA 3mm
- B** X1  
M3 x 20mm PANHEAD SCREW  
VIS TÊTE CRUCIFORME M3 x 20mm  
M3 x 20mm  
FLACHKOPFSCHRAUBE M3 x 20mm  
M3 SKRUV 20mm  
VITE A TESTA TONDA M3 x 20mm
- C** X2  
M4 x 3/8" BELTAP CSK SCREW  
VIS AUTO-TARAUDÉUSE TÊTE FRAISÉE M4 x 3/8"  
M4 x 3/8"  
SENKOPFBLECHSCHRAUBE 16 mm  
M4 x 3/8" (16mm) SÄLVDRÄNGANDE SKRUV  
VITE AUTOPULETTANTE CON TESTA SVASATA
- D** X5  
BALL STUD SHORT  
ROTIULE A VIS COURTE  
ROTIULA CORTA  
KUGELKOPF KURZ  
KULA FÖR KULLED -KORT  
TESTINA PER UNI-BALL (TIPO CORTO)
- E** X1  
STEERING POST LONG  
PIVOT DE DIRECTION LONG  
EJE DE SALVASERVOS LARGOS  
LANGE SERVOSÄVER AXHSE  
AXEL SERVODRÄGARE LÅNG  
PERNO DI SUPPORTO DEL SALVASERVIO
- F** X1  
SERVO SAVER SPRING  
RESSORT DE SAUVE SERVIO  
MUELLE DE SALVASERVOS  
SERVOSÄVER FEDER  
FÄJÄDER  
MOLLA DEL SALVASERVIO
- G** X1  
STEERING POST SHORT  
PIVOT DE DIRECTION COURT  
EJE CORTO DE DIRECCIÓN  
KURZE SERVOSÄVER AXHSE  
AXEL FÖR STYRNARM - KORT  
PERNO DI SUPPORTO DEL RINVIO DELLO STERZO





9

SERVO LINK  
 COUDE DE SERVO  
 VARIELA DIRECCION  
 SERVOSTANGE  
 SERVO ARM  
 TRANTE DI COLLEGAMENTO STERZO



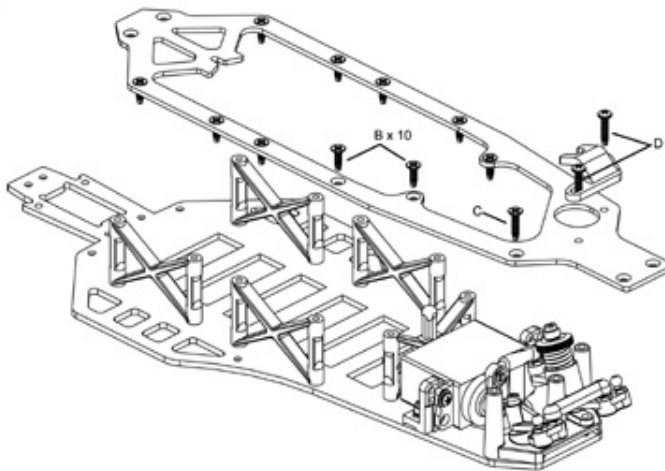
- ENSURE FREE MOVEMENT OF PARTS.
- S'ASSURER DU LIBRE MOUVEMENT DES PIÈCES.
- COMPROBARE QUE EL CONJUNTO GIRA SIN OBSTACULOS.
- ACHTEN SIE AUF LEICHTGANGKEIT ALLER BEWEGTEN TEILE.
- KONTROLLERA ATT STYRNINGEN GÅR LÄTT.
- ASSICURARSI CHE OGNI PARTE SI MUOVA LIBERAMENTE.



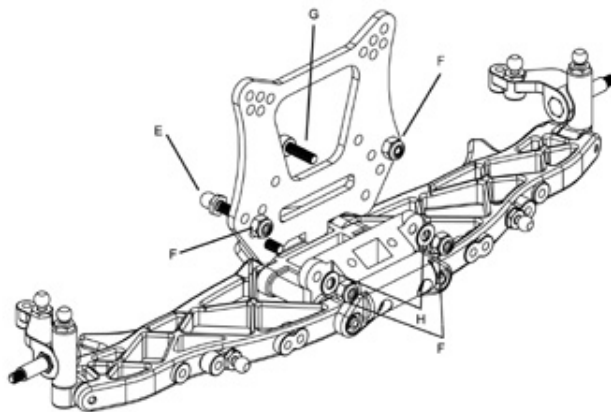
**FRONT SUSPENSION  
 SUSPENSION AVANT  
 SUSPENSION DELANTERA  
 AUFHÄNGANG VORN  
 FRAMVAGNEN  
 SOSPENSIONI ANTERIORI**

**BAG 3**

10

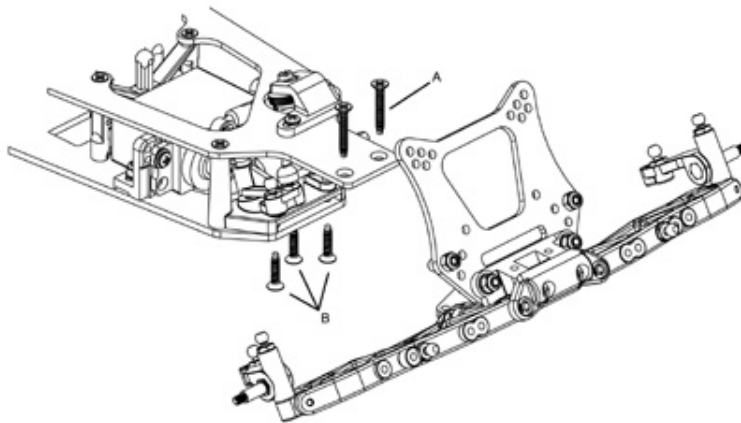


11



- A** X1  
 E' CLIP  
 CLIP EN E  
 GRUPILLA  
 E' CLIP  
 E' - CLIPS  
 SEIGER
- B** X10  
 No4 x 3/8" SELFTAP CSK SCREW  
 VIS AUTO-TARAULOUSE TETE FRAISEE  
 No4 x 3/8"  
 SENKOPFBLECHSCHRAUBE 10 mm  
 No4 x 3/8" (10mm) SJÄLVVÄGÅNDE SKRUV  
 VITE AUTOFILETTANTE CON TESTA SVASATA
- C** X1  
 No4 x 1/2" SELFTAP CSK SCREW  
 VIS AUTO-TARAULOUSE TETE FRAISEE  
 No4 x 1/2"  
 SENKOPFBLECHSCHRAUBE 13 mm  
 No4 x 1/2" (13mm) SJÄLVVÄGÅNDE SKRUV  
 VITE AUTOFILETTANTE CON TESTA SVASATA
- D** X2  
 No4 x 1/2" SELFTAP PANHEAD SCREW  
 VIS AUTO-TARAULOUSE TETE CRUCIFORME  
 No4 x 1/2"  
 BLECHSCHRAUBE 13mm  
 No4 x 1/2" (13mm) SJÄLVVÄGÅNDE SKRUV  
 VITE AUTOFILETTANTE
- E** X2  
 BALL STUD SHORT  
 ROTULE A VIS COURTE  
 ROTULA CURTA  
 KUGELKOPF KURZ  
 KULA FÖR KULLED -KORT  
 TESTINA PER UNI-BALL (TIPO CORTO)
- F** X4  
 M3 NYLON NUT  
 ECROU NYLSTOP M3  
 TUERCA M3 NYLON  
 STORMUTTER M3  
 M3 LASMUTTER  
 DADO AUTOBLOCCANTE DA 3mm
- G** X2  
 M3 x 10mm CAPHEAD SCREW  
 VIS TETE SIX PANIS M3 x 10mm  
 M3 x 10mm  
 IMBUSSCHRAUBE M3 x 10mm  
 M3 SKRUV 10mm  
 VITE A TESTA TONDA A SEI LATI M3 x 10mm
- H** X2  
 M3 STEEL WASHER  
 RONDELLE METALLIQUE  
 ARANDELA ACERO M3  
 BELAGSCHIBE M3  
 M3 STÅLBÄCKA  
 RONDELLA IN ACCIAIO DA 3mm
- I** X1  
 THIN WHITE WASHER

7



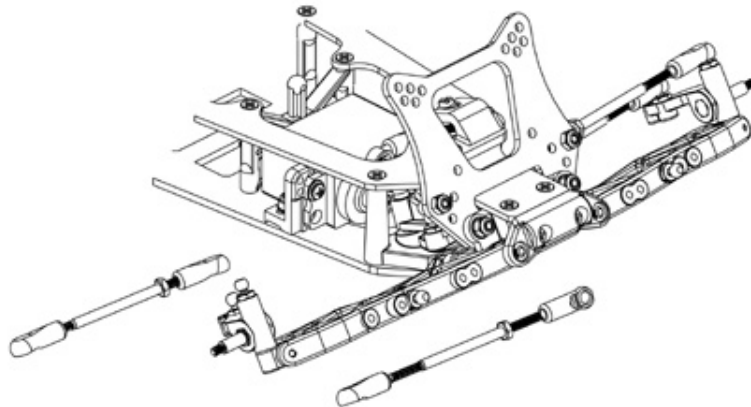
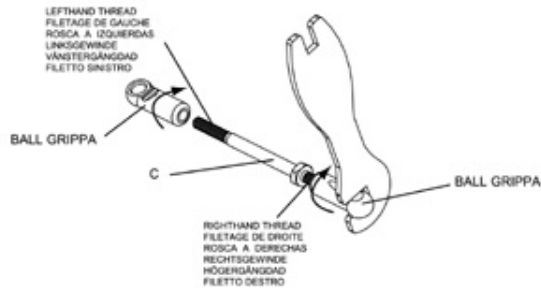
**FRONT SUSPENSION  
SUSPENSION AVANT  
SUSPENSION DELANTERA  
AUFHÄNGANG VORN  
FRAMVAGNEN  
SOSPENSIONI ANTERIORI**

**BAG 3**

**A**  X2  
 No4 x 3/4" SELF TAP CSK SCREW  
 VIS AUTO-TARAUDEUSE TÊTE FRAISÉE No4 x 3/4"  
 No4 x 3/4"  
 SENKKOPFBLECHSCHRAUBE 13 mm  
 No4 x 3/4" (13mm) SÄLVGÅNGANDE SKRUV/  
 VITE AUTOFLETTANTE CON TESTA SVASATA

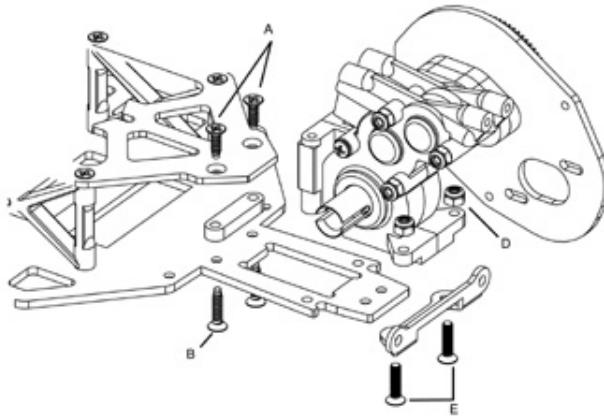
**B**  X3  
 No4 x 1/2" SELF TAP CSK SCREW  
 VIS AUTO-TARAUDEUSE TÊTE FRAISÉE No4 x 1/2"  
 No4 x 1/2"  
 SENKKOPFBLECHSCHRAUBE 13 mm  
 No4 x 1/2" (13mm) SÄLVGÅNGANDE SKRUV/  
 VITE AUTOFLETTANTE CON TESTA SVASATA

**C**  X4  
 M3 x 60mm TURNBUCKLE  
 BIELLETTE M3 x 60mm  
 M3 x 60mm ADJUSTABLE  
 SPURSTANGE EINSTELLBAR M3 x 60mm  
 M3 x 60mm HÖGERVÄNSTER GÄNGSAT STAG  
 TIRANTE DESTRA / SINISTRA DA 3 x 60mm



REPEAT FOR LEFT SIDE.  
 REPÉTER L'OPÉRATION POUR LE CÔTÉ GAUCHE.  
 REPITA EL MONTADO PARA LA PARTE IZQUIERDA.  
 WIEDERHOLEN SIE DIE MONTAGE FÜR DIE LINKE SEITE.  
 UPPREPPA MONTERINGEN FÖR VÄNSTER SIDA.  
 RIPETERE IL MONTAGGIO PER IL LATO SINISTRO.

1

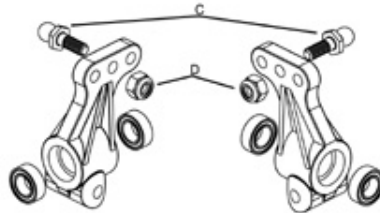


**REAR SUSPENSION  
SUSPENSION ARRIERE  
SUSPENSION TRASERA  
AUFHÄNGANG HINTEN  
HJULUPPHÄNGNINGEN BAK  
SOSPENSIONI POSTERIORI**

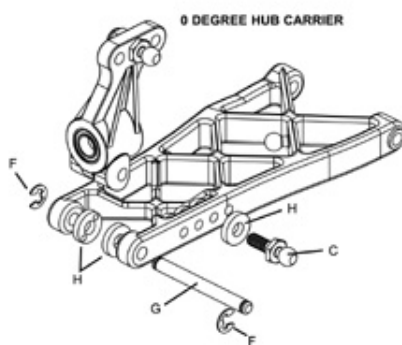
**BAG 4**

2

5 x 9 x 3mm BEARINGS  
ROULEMENT  
ROCAMENTO  
KUGELLAGER  
KULLAGER  
CUSCINETTO A SFERE



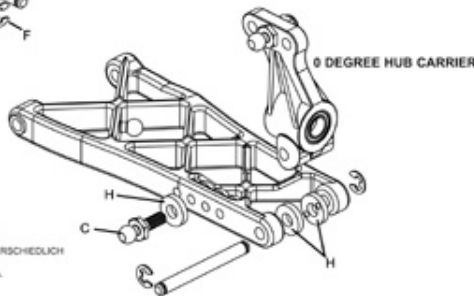
3



**RIGHT  
COTE DROIT  
DERECHA  
RECHTS  
HÖGERGÄNGAD  
DESTRO**

- NOTE WHICH WISHBONE
- ATTENTION - TRIANGLE COTE DROIT.
- TRAPICCO
- DIE BEIDEN QUERLENKER SIND UNTERSCHIEDLICH (GEZEIGT IST DIE RECHTE SEITE).
- NOTERA ATT BÄRANMÄRKA ÄR OLIKA.
- NOTARE IL TIPO DI BRACCETTO.

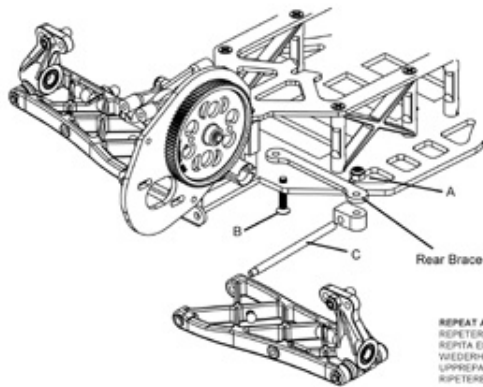
**LEFT  
COTE GAUCHE  
IZQUIERDA  
LINKS  
VÄNSTER  
SINISTRO**



- NOTE WHICH WISHBONE
- ATTENTION - TRIANGLE COTE DROIT.
- TRAPICCO
- DIE BEIDEN QUERLENKER SIND UNTERSCHIEDLICH (GEZEIGT IST DIE RECHTE SEITE).
- NOTERA ATT BÄRANMÄRKA ÄR OLIKA.
- NOTARE IL TIPO DI BRACCETTO.

- A** X2  
No4 x 3/8" SELF-TAP CSK SCREW  
VIS AUTO-TARAUDEUSE TÊTE FRAISÉE No4 x 3/8"  
No4 x 3/8"  
SENNKOPFSELBSCHRAUBE 10 mm  
No4 x 3/8" (10mm) SJÄLVGÄNGANDE SKRUV  
VITE AUTOFILETTANTE CON TESTA SVASATA
- B** X2  
No4 x 1/2" SELF-TAP CSK SCREW  
VIS AUTO-TARAUDEUSE TÊTE FRAISÉE No4 x 1/2"  
No4 x 1/2"  
SENNKOPFSELBSCHRAUBE 13 mm  
No4 x 1/2" (13mm) SJÄLVGÄNGANDE SKRUV  
VITE AUTOFILETTANTE CON TESTA SVASATA
- C** X4  
BALL STUD LONG  
ROTIULE A VIS COURTE  
ROTULA CORTA  
KUGELSTUPE KURZ  
KULA FÖR KULLED -LÅNG  
TESTINA PER UNI-BALL (TIPO CORTO)
- D** X4  
M3 NYLON NUT  
ECROU NYLSTOP M3  
TUBERCA M3 NYLON  
STOPMUTTER M3  
M3 LÄSMUTTER  
DADO AUTOBLOCCANTE DA 3mm
- E** X2  
M3 x 12mm CSK SCREW  
VIS TÊTE FRAISÉE M3 x 12mm  
M3 x 12 mm  
SENNKOPFSCHRAUBE M3 x 12 mm  
M3 x 12mm FÖRSÄNKT SKRUV  
VITE CON TESTA SVASATA DA 3 x 12mm
- F** X4  
E-CLIP  
CLIP DN E  
GRUPFELLA  
E-CLIP  
E-CLIPS  
SEIGER
- G** X2  
29mm 1/8" PIVOT PIN  
29mm AXE 1/8"  
PIVOTE 1/8" 29mm  
HALTESTIFT 29mm 1/8"  
1/8" AXEL 29mm  
PERNO DA 1/8" 29mm
- H** X8  
1.6mm NYLON WASHER  
RONDELLE EN NYLON 1.6mm  
ARANDELA DE NYLON 1.6mm  
NYLON BEILAGSCHIBE 1.6mm  
NYLON BRİKA 1.6mm  
RONDELLE IN NYLON 1.6mm

4



REAR PIVOT BLOCK

- X 3 DEGREE ANTI-SQUAT
- ✓ 1.5 DEGREE ANTI-SQUAT
- ✓ 3 DEGREE INBOARD TOE-IN BLOCK
- X 0 DEGREE INBOARD TOE-IN BLOCK

Rear Brace

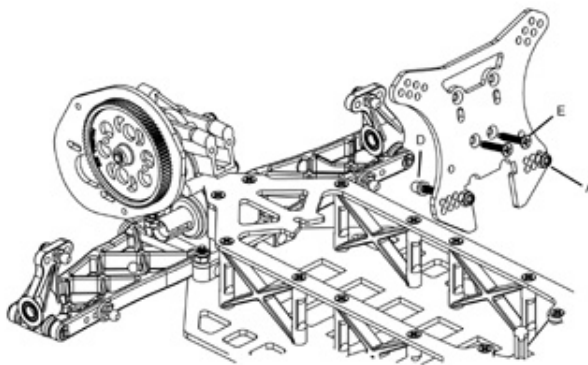
REPEAT ASSEMBLY FOR LEFT SIDE  
 REPETER L'OPERATION POUR LE COTE GAUCHE  
 REPITA EL MONTADO PARA LA PARTE IZQUIERDA  
 WIEDERHOLEN SIE DIE MONTAGE FÜR DIE LINKE SEITE  
 UPPREPA MONTERINGEN FÖR VÄNSTER SIDA  
 RIPETERE IL MONTAGGIO PER IL LATO SINISTRO

**Schumacher**



**REAR SUSPENSION  
 SUSPENSION ARRIERE  
 SUSPENSION TRASERA  
 AUFHÄNGANG HINTEN  
 HJULUPPHÄNGNINGEN BAK  
 SOSPENSIONI POSTERIORI**

5



- A X4  
**M3 NYLOC NUT**  
 ECROU NYLSTOP M3  
 TUERCA M3 NYLOC  
 STOPMUTTER M3  
 M3 LÄSMUTTER  
 DADO AUTOBLOCCANTE DA 3mm

- B X2  
**M3 x 16mm CSK SCREW**  
 VIS TETE FRAISEE M3 x 16mm  
 M3 x 16 mm  
 SENNKOPFSCHRAUBE M3 x 16 mm  
 M3 x 16mm FÖRSÄNT SKRUV  
 VITE CON TESTA SVASATA DA 3 x 16mm

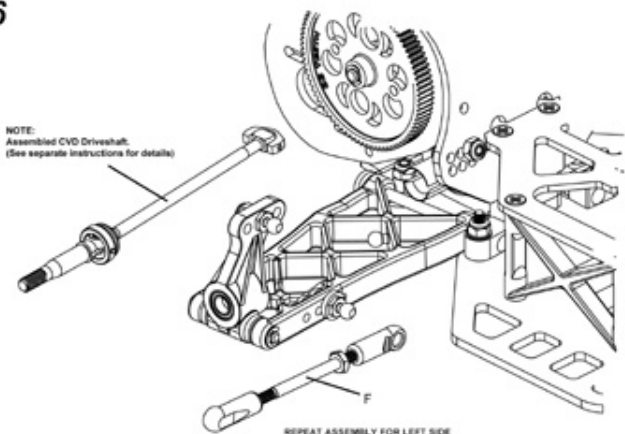
- C X2  
**STEPPED PIVOT PIN**  
 AXE DE TRIANGLE A COLLET  
 E/LE DE TRIANGLO TRASERO  
 ABGESETZTE QUERLENKERACHSE  
 SÄMMMAKSEL - STEPPED  
 PERNO CON GRADINO

- D X2  
**BALL STUD SHORT**  
 ROTULA A VIS COURTE  
 ROTULA CORTA  
 KUGELKOPF KURZ  
 KULA FÖR KULLED - KORT  
 TESTINA PER UNI-BALL (TIPO CORTO)

- E X2  
**N4 x 5/8" SELF-TAP CSK SCREW**  
 VIS AUTO-TARAUEUSE TETE FRAISEE N4 x 5/8"  
 N4 x 5/8"  
 SENNKOPFSELBSCHRAUBE 10 mm  
 N4 x 5/8" (10mm) SÄLVAUGÅNGANDE SKRUV  
 VITE AUTOFLETTANTE CON TESTA SVASATA

- F X2  
**M3 x 53mm TURNBUCKLE**  
 BELLETTE M3 x 53mm  
 M3 x 53mm ADJUSTABLE  
 SPRUNGTANGE EINSTELLBAR M3 x 53mm  
 M3 x 53mm HÖGER/VÄNSTER GÅNGSAT STÅG  
 TRIANTE DESTRA / SINISTRA DA 3 x 53mm

6

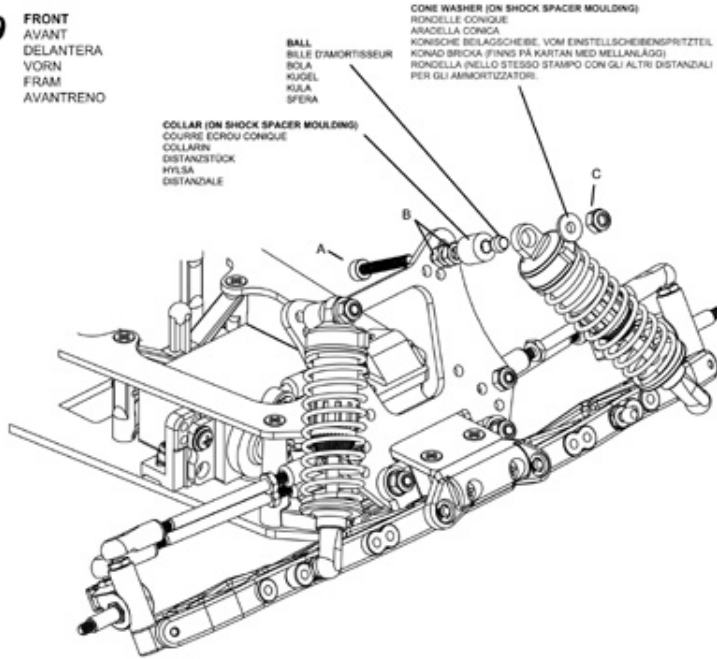


NOTE:  
 Assembled CVD Driveshaft.  
 (See separate instructions for details)

REPEAT ASSEMBLY FOR LEFT SIDE  
 REPETER L'OPERATION POUR LE COTE GAUCHE  
 REPITA EL MONTADO PARA LA PARTE IZQUIERDA  
 WIEDERHOLEN SIE DIE MONTAGE FÜR DIE LINKE SEITE  
 UPPREPA MONTERINGEN FÖR VÄNSTER SIDA  
 RIPETERE IL MONTAGGIO PER IL LATO SINISTRO

10

**9** FRONT  
AVANT  
DELANTERA  
VORN  
FRAM  
AVANTRENO



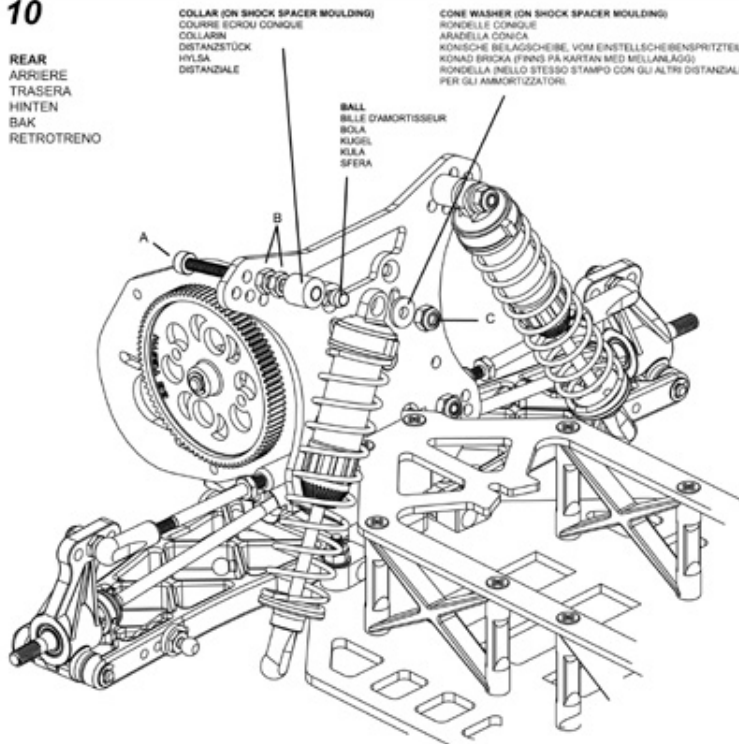
**FITTING SHOCK ABSORBERS**  
**AMORTISSEURS**  
**AMORTIGUADORES**  
**STÖSDÄMPFER**  
**STÖTDÄMPARE**  
**AMMORTIZZATORI**

**A**  X4  
M3 x 20mm CAPHEAD SCREW  
VIS TETE SIX PANS M3 x 20mm  
M3 x 20mm  
INBUSSCHRAUBE M3 x 20mm  
M3 x 20mm SKRUV  
VITE A TESTA TONDA A. SEI LATI M3 x 20mm

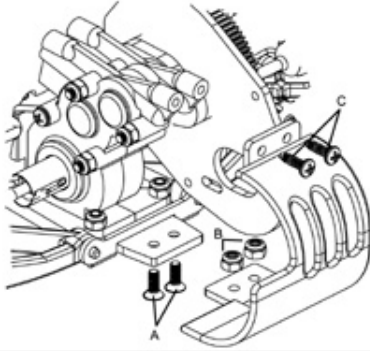
**B**  X8  
M3 NUT  
ECROU M3  
TUERCA M3  
MUTTER M3  
M3 MUTTER  
DADO M3

**C**  X4  
M3 NYLOC NUT  
ECROU NYLSTOP M3  
TUERCA M3 NYLOC  
STOPMUTTER M3  
M3 LÄSMUTTER  
DADO AUTOBLOCCANTE DA 3mm

**10**  
**REAR**  
ARRIERE  
TRASERA  
HINTEN  
BAK  
RETROTRENO

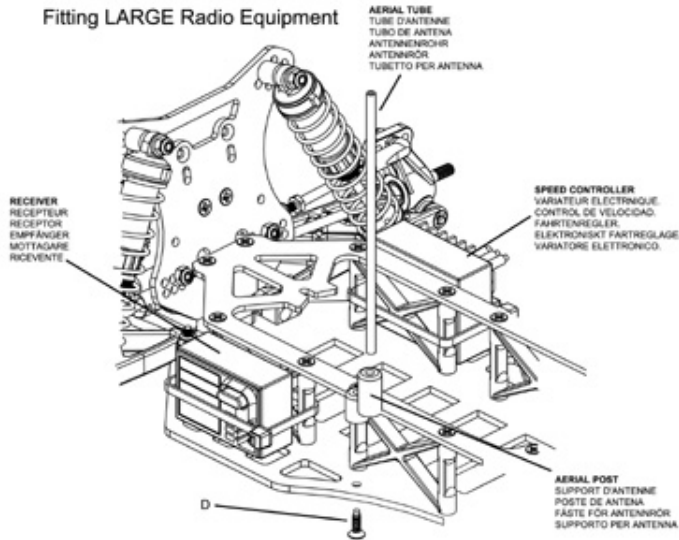


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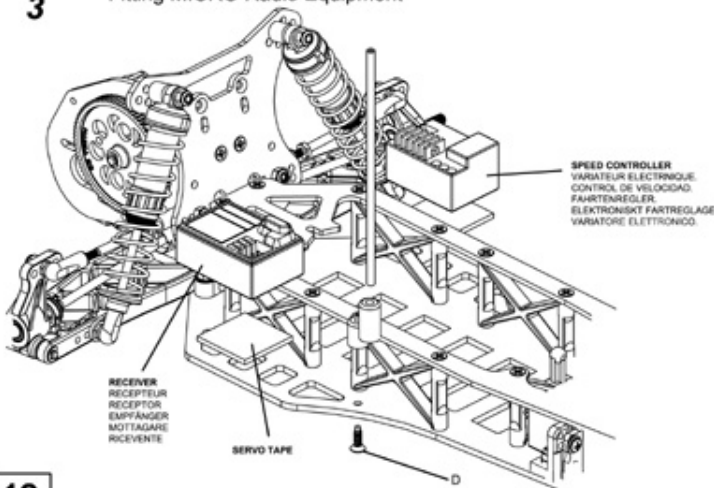


**FITTING ELECTRICS**  
**INSTALLATION DE L'ELECTRONIQUE**  
**FIJACIONES ELECTRICAS**  
**ELEKTRIKINBAU**  
**MONTERING AV ELEKTRONIK**  
**IMPIANTO ELETTRICO**

## 2 Fitting LARGE Radio Equipment



## 3 Fitting MICRO Radio Equipment



12

### BAG 5

- A** X2  
**M3 x 8mm CSK SCREW**  
 VIS TETE FRAISEE M3 x 8mm  
 M3 x 8mm SENKOPFSCHRAUBE M3 x 8mm  
 M3 x 8mm FÖRSÄNKT SKRUV  
 VITE CON TESTA SVASATA DA 3 x 8mm
- B** X2  
**M3 NYLON NUT**  
 ECROU NYLSTOP M3  
 TUJERKA M3 NYLON  
 STOPMUTTER M3  
 M3 LASMUTTER  
 DADO AUTOBLOCCANTE DA 3mm
- C** X2  
**N04 x 3/8" SELFTAP PANHEAD SCREW**  
 VIS AUTO-TARAUDEUSE TETE CRUCIFORME N04 x 3/8"  
 N04 x 3/8" BLECHSCHRAUBE 10 mm  
 N04 x 3/8" (10mm) SÄLVGÅNGANDE SKRUV  
 VITE AUTOFLETTANTE TESTA A CROCE DA 3 x 10mm
- D** X1  
**N04 x 3/8" SELFTAP CSK SCREW**  
 VIS AUTO-TARAUDEUSE TETE FRAISEE N04 x 3/8"  
 N04 x 3/8" SENKOPFBLECHSCHRAUBE 10 mm  
 N04 x 3/8" (10mm) SÄLVGÅNGANDE SKRUV  
 VITE AUTOFLETTANTE CON TESTA SVASATA

**CONSULT THE INSTRUCTION SHEETS SUPPLIED WITH YOUR RADIO CONTROL EQUIPMENT WHEN SETTING UP YOUR FIREBLADE**

SE REFERER AUX INSTRUCTIONS FOURNIES AVEC VOTRE EMETTEUR LORS DU MONTAGE DE VOTRE FIREBLADE 2000

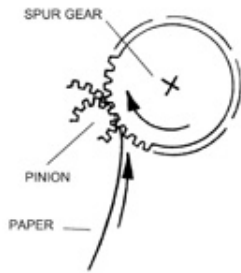
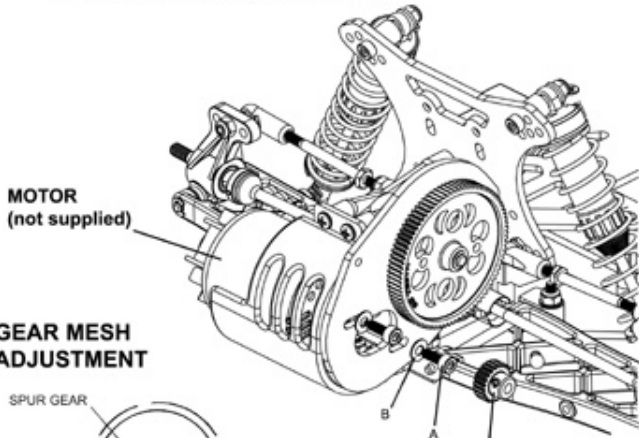
CONSULTE EL MANUAL DE INSTRUCCIONES DE SU EQUIPO DE RADIOCONTROL PARA INSTALARLO EN SU FIREBLADE 2000

BEACHTEN SIE BEIM EINBAU UNBEDINGT AUCH DIE ANWEISUNGEN DIE MIT IHRER FERNSTEUERUNG MITGELIEFERT WURDEN.

VID MONTERING AV RADIO OCH FARTREGLAGE ÄR DET VIKTIGT ATT DU FÖLJER RESPEKTIVE INSTRUKTION SOM LEVERERAS MED RADIOSTYRNINGEN OCH FARTREGLAGET.

CONSULTATE LE ISTRUZIONI FORNITE CON IL VOSTRO RADIOCOMANDO PRIMA DI INSTALLARLO

- 4**
- FIT PINION TO MOTOR, SECURE USING GRUB SCREW
  - METTRE LE PIGNON SUR LE MOTEUR, SECURISER LA VIS BTR UTILISANT DU FRON FILET
  - FIJE EL PIGNON CON UNA LLAVE ALLEN
  - SCHEBEN SIE DAS MOTORRITZEL AUF DIE MOTORWELLE UND ZIEHEN SIE DIE IMBUSMADENSCHRAUBE GUT FEST
  - MONTERA PIGNONEN PA MOTORAKSELN
  - FISSARE IL PIGNONE SULL' ALBERO MOTORE UTILIZZANDO DEL LIQUIDO.

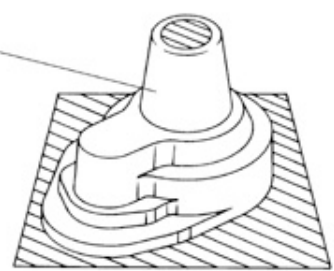
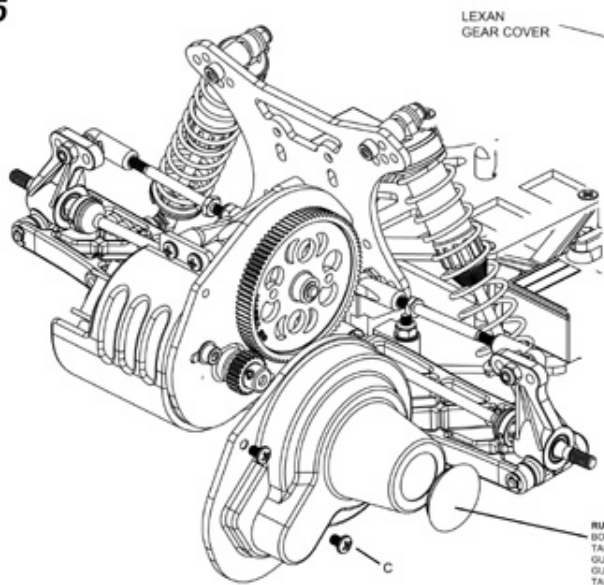


- POSITION MOTOR SO THAT GEARS MESH. THERE SHOULD BE A SMALL AMOUNT OF PLAY WITHOUT PAPER - NO PLAY WITH PAPER.
- CALER LE MOTEUR POUR QUE LES DENTS SOIENT BIEN ENGRENÉES. AJUSTER SANS JEU AVEC UNE MINCE FEUILLE DE PAPIER. CONSERVER LE JEU RESTANT APRES RETRAIT DE LA FEUILLE.
- ATAJQUE EL MOTOR INTRODUCIENDO UN PAPEL ENTRE LA CORONA Y EL PIGNON.
- STECKEN SIE EIN STÜCK PAPIER ZWISCHEN ZAHNRAD UND MOTORRITZEL. VERSCHIEBEN SIE NUN DEN MOTOR SOWEIT BIS KEIN SPIEL MEHR FÜHLBAR IST. WENN SIE DEN PAPIERSTREIFEN NUN ENTFERNEN, STIMMT DAS ZAHNRADSPIEL.
- MONTERA MOTORN SÅ ATT ETT SÅ LITET SPIEL SOM MÖJLIGT FINNS MELLAN PIGNON OCH HUVUDRETV. KONTROLLERA GENOM ATT SVUNNA HUVUDRETVET ETT VARV.
- IL MOTORE DEVE ESSERE FISSATO IN MODO CHE RIMANGA UN MINCO DODDO TRA PIGNONE E CORONA. PER FACILITARE LA REGOLAZIONE INTERPORRE UN PEZZO DI CARTA TRA I DUE INGRANAGGI E PORTARLI A CONTATTO.

**BAG 5**

- A**  X2  
M3 x 6mm CAPHEAD SCREW  
VIS TETE SIX PANS M3 x 6mm  
M3 x 6mm  
IMBUSCHRAUBE M3 x 6mm  
SKRUV M3x 6mm  
VITE M3 x 6mm
- B**  X2  
M3 STEEL WASHER  
RONDELLE METALLIQUE  
ARANDOLA ACCERO M3  
BELAGSCHEIBE M3  
M3 STÄLBRICKA  
RONDELLA IN ACCIAIO DA 3mm
- C**  X2  
M3 x 4mm PANHEAD SCREW  
VIS TETE CRUCIFORME M3 x 4mm  
M3 x 4mm  
FLACHKOPFSCHRAUBE M3 x 4mm  
SKRUV M3 x 4mm  
VITE A TESTA TONDO M3 x 4mm

**5**



**WARNING:** MOTOR CLEANING SOLVENTS WILL PERMANENTLY DAMAGE THE POLY-CARBONATE GEAR COVER. ALWAYS REMOVE MOTOR BEFORE DOING ANY MAINTENANCE

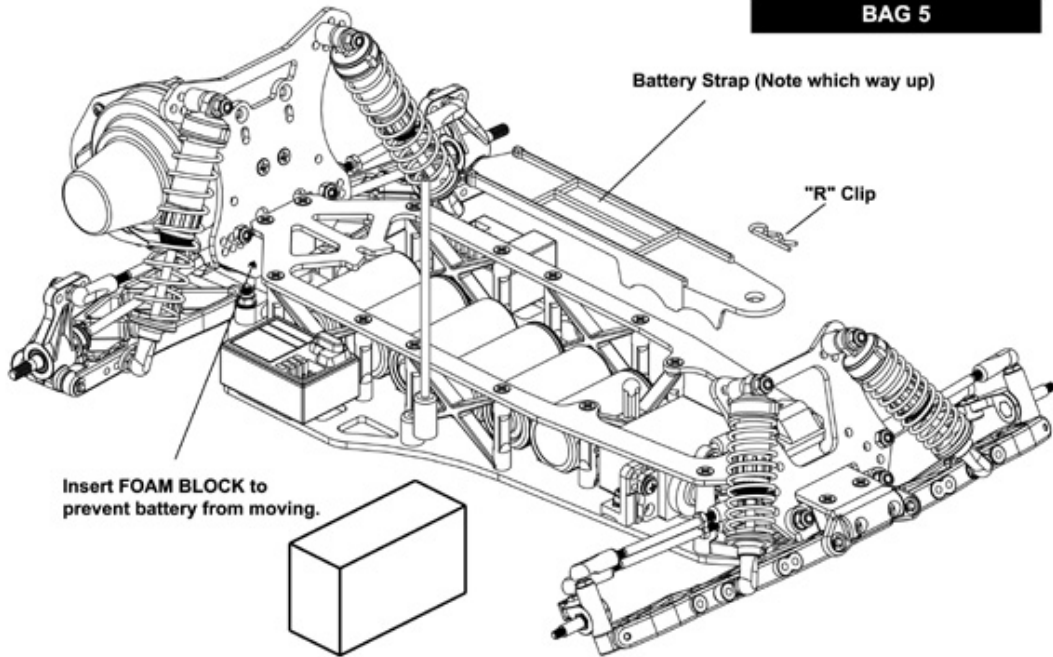
**OPERATING PROCEDURES:**

1. Ensure the transmitter controls and trims are set to neutral.
2. Switch on transmitter.
3. Plug in Battery Pack to Speed Controller.
4. Check operation of Speed Controller & Steering BEFORE running.
5. After running always unplug Battery BEFORE turning off the transmitter.

**FITTING ELECTRICS**  
 INSTALLATION DE L'ELECTRONIQUE  
 FIJACIONES ELECTRICAS  
 ELEKTRIKEINBAU  
 MONTERING AV ELEKTRONIK  
 IMPIANTO ELETTRICO

**BAG 5**

**6. FITTING BATTERY**



**BATTERY STRAP FITTING**  
 (Note which way up)

**7. To fit saddle packs**



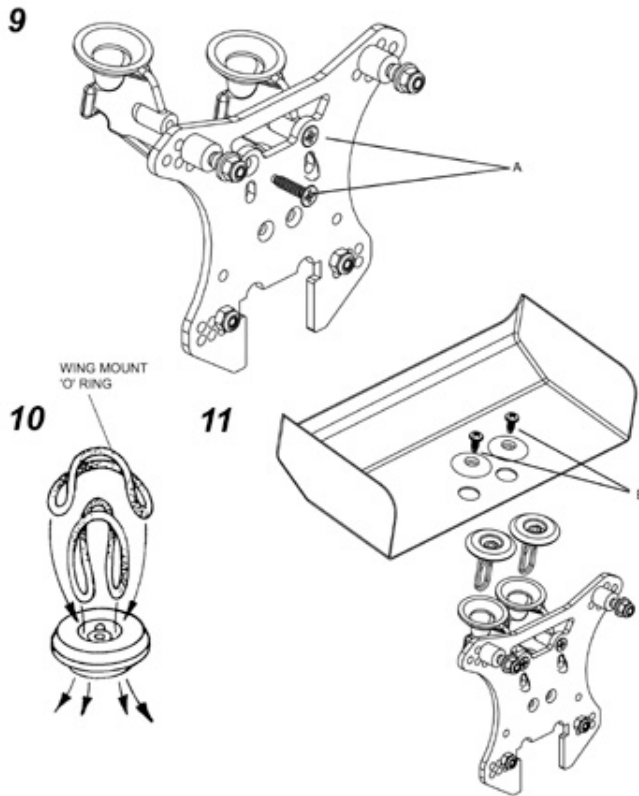
Small pips may have to be removed.

Small pips may have to be removed.

**8. To fit stick packs**





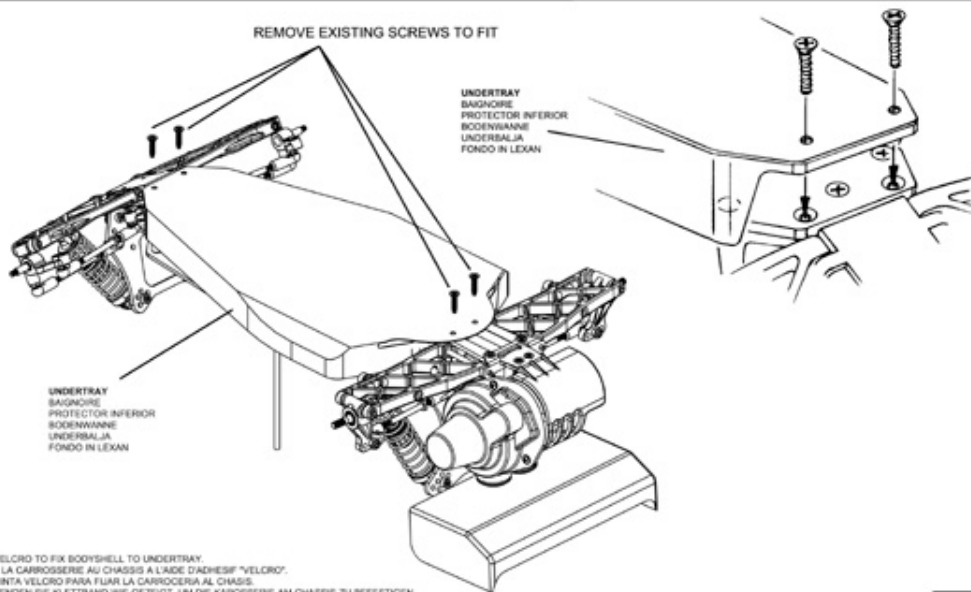


**BAG 5**

- A**  X2  
 No4 x 5/8" BELTAP CSK SCREW  
 VIS AUTO-TARAUSEUSE TETE FRAISEE No4 x 5/8"  
 No4 x 5/8"  
 SENKOPFBLECHSCHRAUBE No4 x 5/8"  
 No4 x 5/8" (10mm) SÄLVGÄNGANDE SKRUV  
 VITE AUTOFILETTANTE CON TESTA SVASATA
- B**  X2  
 No4 x 1/4" BELTAP PANHEAD SCREW  
 VIS AUTO-TARAUSEUSE TETE CRUCIFORME No4 x 1/4"  
 No4 x 1/4"  
 BLECHSCHRAUBE 6 mm  
 No4 x 1/4" (5mm) SÄLVGÄNGANDE SKRUV  
 VITE AUTOFILETTANTE TESTA A CROCE DA 3 x 6mm

**12**

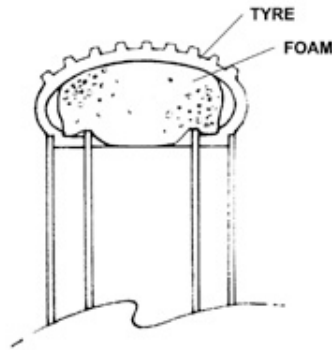
REMOVE EXISTING SCREWS TO FIT



- USE VELCRO TO FIX BODYSHELL TO UNDERTRAY.
- FIXER LA CARROSSERIE AU CHASSIS A L'AIDE D'ADHESIF "VELCRO".
- USE CINTA VELCRO PARA FIJAR LA CARROCERIA AL CHASIS.
- VERWENDEN SIE KLETTBAND WIE GEZEIGT, UM DIE KAROSSERIE AM CHASSIS ZU BEFESTIGEN.
- ANVÄND KÄRBOCHREBAND FÖR ATT MÖNTERA KÄRÖSSIN.
- UTILIZZARE LE STRISCHE DI VELCRO PER FISSARE LA CARROZZERIA AL FONDO.

13

- MAKE SURE TYRE BEAD SEATS PROPERLY IN GROOVES OF WHEEL.
- USE FOAM TYRE INSERTS. SECURE IN PLACE USING SUPER GLUE.
- MONTER LES PNEUS SUR LES JANTES. UTILISER DES MOUSSES POUR LES PNEUS ARI. FIXER AVEC DE LA COLLE.
- ASEGURESE QUE LOS NEUMÁTICOS ASIENTAN PERFECTAMENTE SOBRE LAS LLANTAS. USE ESPUMAS INTERIORES EN LAS RUEDAS TRASERAS. REGÚLAS CON CILINDRILATO.
- ACHTEN SIE DARAU, DASS DIE LIPPE DES REIFENS EXAKT IN DER VORGESEHENEN RILLE DER FELGE LIEGT.
- DIE HINTERÄDER WERDEN MIT EINER SCHAUMGUMMIENLAGE VERSEHEN. FIXIEREN SIE DIE REIFEN MIT SEKUNDENKLEBER.
- DÄCKEN MONTERAS I SPÄREN PÅ FALGEN. ANVÄND FÖMINSÄTTER I BAKDÄCKEN OCH LIMMA SEDAN FAST DÄCKEN MED SUPERLIM.
- ASSICURATEVI CHE LE GOMME ALLOGGINO CORRETTAMENTE NEI CANALI DEI CERCHI.
- UTILIZZATE LE MOUSSE IN SPUNNA PER LE GOMME POSTERIORI.
- INCOLLARE CON COLLA CIANO ACRILICA.



**Schumacher**

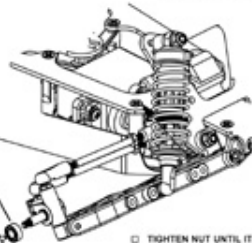
**BAG 5**

- A**  X2  
M3 NYLOC NUT  
ECROU NYLSTOP M3  
TUERCA M3 NYLOC  
STOPMUTTER M3  
M3 LASMUTTER  
DADO AUTOBLOCCANTE DA 3mm
- B**  X2  
M4 STEEL WASHER  
RONDELLE METALLIQUE  
ARANDELA ACERO M4  
BEILAGSCHEIBE M4  
M4 STÄHLERCKA  
RONDELLA IN ACCIAIO DA 4mm
- C**  X2  
M4 NYLOC NUT  
ECROU NYLSTOP M4  
TUERCA M4 NYLOC  
STOPMUTTER M4  
M4 LASMUTTER  
DADO AUTOBLOCCANTE DA 4mm

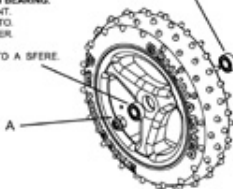
14 FRONT / AVANT / DELANTERA / VORN / FRAM / AVANTRENO

REPEAT FOR LEFT SIDE.  
REPETER L'OPERATION POUR LE COTE GAUCHE.  
REPETIR EN EL LADO IZQUIERDO.  
AUF DER ANDEREN SEITE WIEDERHOLEN.  
UPPREPA MONTERINGEN FOR VANSTER SIDA.  
RIPETERE IL MONTAGGIO PER IL LATO SINISTRO.

- 4 x 8 x 3mm BEARING.  
ROULEMENT.  
RODAMENTO.  
KUGELLAGER.  
KULLAGER.  
CUSCINETTO A SFERE.



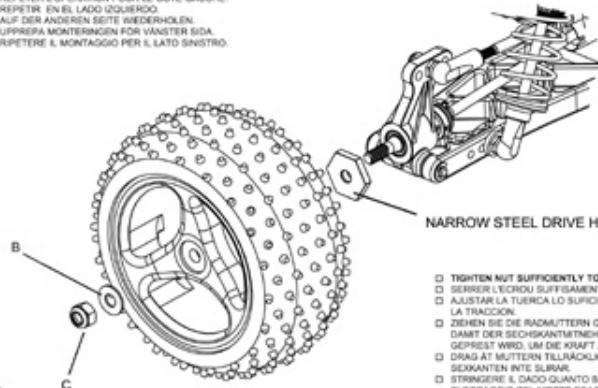
- 4 x 8 x 3mm BEARING.  
ROULEMENT.  
RODAMENTO.  
KUGELLAGER.  
KULLAGER.  
CUSCINETTO A SFERE.



- TIGHTEN NUT UNTIL IT JUST TOUCHES SHOULDER - DO NOT OVER TIGHTEN. CHECK WHEEL SPINS FREELY.
- VISSER L'ECROU JUSQU'A CE QU'IL TOUCHE L'ÉPAULE. NE PAS TROP SERRER. ASSURER QUE LA ROUE TOURNE LIBREMENT.
- AJUSTE LA TUERCA PARA ELIMINAR HUELO, NO BLOQUEE LA RUEDA. ASEGURESE DE QUE GIRE LIBRE.
- ZIEHEN SIE DIE MUTTER NUR SOWEIT AN, DASS SIE DIE ABGESETZTE RADACHSE BERÜHRT. DIE VORDERRÄDER MÜSSEN SICH SEHR LEICHT DREHEN LASSEN.
- DRAG AT LASMUTTERN TILLS DEN PRECIS VIDRÖR KANTEN-DRAG EJ ÄT FÖR HÄRT. KONTROLLERA ATT HULLET SNURRAR FRITT.
- STRINGERE IL DADO FINO A ELIMINARE IL GIUOCO - NON STRUBBERE ECCESSIVAMENTE. CONTROLLARE CHE LA RUOTA GIRI LIBERAMENTE.

15 REAR / ARRIERE / TRASERA / HINTEN / BAK / RETROTRENO

REPEAT FOR LEFT SIDE.  
REPETER L'OPERATION POUR LE COTE GAUCHE.  
REPETIR EN EL LADO IZQUIERDO.  
AUF DER ANDEREN SEITE WIEDERHOLEN.  
UPPREPA MONTERINGEN FOR VANSTER SIDA.  
RIPETERE IL MONTAGGIO PER IL LATO SINISTRO.



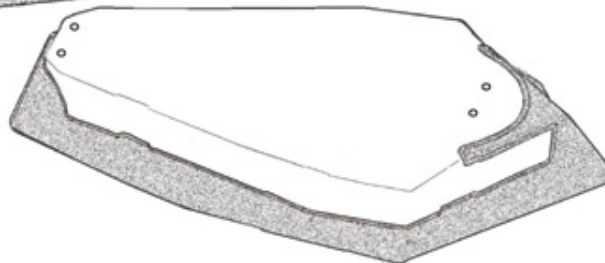
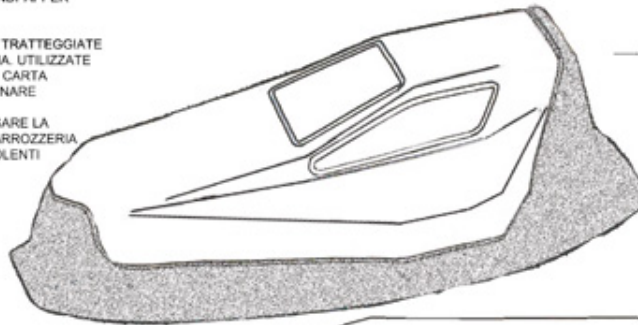
NARROW STEEL DRIVE HEX

- TIGHTEN NUT SUFFICIENTLY TO ENSURE DRIVE.
- SERRER L'ECROU SUFFISAMMENT.
- AJUSTAR LA TUERCA LO SUFICIENTE PARA ASEGURAR LA TRACCION.
- ZIEHEN SIE DIE RADMUTTER GENÜGEND FEST AN, DAMIT DER BEI DRUCKENTWICKELUNG AUF DEN NAGEL GEPRESST WIRD, UM DIE KRAFT ZU ÜBERTRAGEN.
- DRAG AT MUTTERN TILLRÄCKLIGT HÄRT SA ATT SÖKANTEN INTE SLURAS.
- STRINGERE IL DADO QUANTO BASTA A GARANTIRE IL BLOCCAGGIO DEL MOZZO ESAGONALE.

16

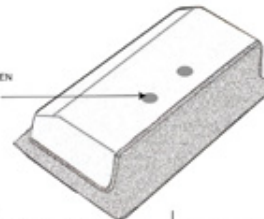
- CUT AWAY SHADED AREAS. USE A FILE OR ABRASIVE PAPER TO SMOOTH THE CUT EDGES. ANY RAGGED EDGES OR SCORE LINES MAY CAUSE THE BODYSHELL TO CRACK OR SPLIT WHEN IN USE.
- DECOUPER LES PARTIES EXCEDENTES, COMME CELLES HACHUREES CI-CONTRE. UTILISER UNE LIME POUR EBAVURER LES BORDS. TOUTE BAVURE OU ENTAILLE PEUT "DECHIRER" LA CARROSSERIE PENDANT L'UTILISATION.
- CORTE LAS AREAS SOMBREADAS LUE LOS BORDES PARA EVITAR CORTES Y HERIDAS.
- SCHNEIDEN SIE DIE SCHRAFFIERTEN TEILE AB. BENUTZEN SIE SCHMIRGELPAPIER, UM DIE ECKEN UND SCHNITTKANTEN ABZURUNDEN, DA SONST IM BETRIEB DIE KAROSSERIE LEICHTER SPITTERN ODER BRECHEN KÖNNTE.
- SKÄR UT OCH AVLÄGSNA DE SKUGGADE DELARNA. PUTSA OCH RUNDA ALLA VASSA KANTER OCH HÖRN MED SANDPAPPER ELLER EN FIN FIL.
- TAGLIARE LE PARTI TRATTEGGIATE DELLA CARROZZERIA. UTILIZZATE UNA MOLA O DELLA CARTA VETRATA PER ELIMINARE SPIGOLI VIVI CHE POTREBBERO CAUSARE LA ROTTURA DELLA CARROZZERIA IN CASO DI URTI VIOLENTI

**BODYSHELL  
CARROSSERIE  
CARROCIERAS  
KAROSSERIE  
MONTERING AV KAROSS  
CARROZZERIA**



- **WARNING: MOTOR CLEANING SOLVENTS WILL PERMANENTLY DAMAGE THE POLYCARBONATE BODYSHELL & UNDERTRAY. ALWAYS REMOVE MOTOR BEFORE DOING ANY MAINTENANCE.**
- ATTENTION: LES SOLVANTS DES NETTOYANTS MOTEUR PEUVENT ENDOMMAGER LES POLYCARBONATE. DEMONTEZ TOUJOURS LE MOTEUR POUR TOUTE MAINTENANCE.
- LOS LIMPIADORES DE MOTORES PUEDEN DAÑAR LA BAÑERA Y LA CARROCIERIA DE POLICARBONATO. HACER EL MANTENIMIENTO DEL MOTOR, UNA VEZ DESMONTADO DEL COCHE.
- ACHTUNG ! MOTORENSPRAYS KÖNNEN DIE KAROSSERIE UND BODENWANNE BESCHÄDIGEN! BAUEN SIE UNBEDINGT DEN MOTOR AUS, BEVOR SIE IHN EINSPRÜHEN.
- VARNING - MOTORSPRAY FÖRSTÖR KAROSS OCH UNDERBALLJA. MONTERA ALLTID UR MOTORN FÖR SERVICE.
- ATTENZIONE ! GLI SPRAY PER LA PULIZIA DEL MOTORE POSSONO DANNEGGIARE CARROZZERIA E FONDO IN LEXAN. SI CONSIGLIA DI SMONTARE IL MOTORE PRIMA DI PULIRLO.

HÖLES 8mm ØA  
TROUS 8mm DIAMETRE  
TALADROS DE 8mm  
LÖCHER MIT 8mm DURCHMESSER SCHREIBEN  
BORRA TIVA HÄL MED 8mm I DIAMETER  
FORI 8mm DI DIAMETRO



**ENGLISH**

**Painting BodysHELLS**  
First wash the bodysHELL to remove any oil or dirt. Rinse thoroughly. Paint the inside of the bodysHELL using **only polycarbonate paints**. You can obtain a colour scheme by masking off sections with tape. Apply paint and when dry, remove the tape and apply a different colour. Apply the darkest colour first. Finish your bodysHELL using the decals supplied.

**FRANÇAIS**

**Peinture des carrosseries**  
Lavez d'abord la carrosserie pour éliminer toute trace de graisse et de saleté. Peindre la carrosserie par l'intérieur en utilisant **exclusivement des peintures pour polycarbonates**. Vous pouvez obtenir une combinaison de couleurs en masquant certaines parties avec du ruban adhésif. Appliquez la peinture et, une fois sec, retirez le ruban puis appliquez une autre couleur. .... etc. Commencez par la couleur la plus foncée. Achevez par l'utilisation des autocollants fournis avec le kit.

**ESPAÑOL**

**Pintura de las carrocerías**  
Lave primero la carrocería para eliminar toda marca de grasa y de suciedad. Pinte la carrocería por el interior utilizando **exclusivamente pinturas para polycarbonatos**. Puede hacer diferentes decoraciones enmarcando ciertas partes con cinta adhesiva. Aplique la pintura y, una vez seca retire la cinta adhesiva, después aplique otro color... etc. Comience por el color más oscuro. Termine utilizando los adhesivos suministrados con el kit.

**DEUTSCH**

**Karosseriebemalung:**  
Waschen Sie Ihre ausgeschnittene Karosserie mit einem Spülmittel, um eventuellen Schmutz und Fett zu entfernen. Lassen Sie die Karosserie dann gründlich trocknen und decken Sie Stellen, die nicht bemalt werden sollen, mit Klebeband ab. Die Lexankarosserien werden von innen bemalt! Zum Schluß verschönern Sie Ihre Karosserie noch mit den mitgelieferten Aufklebern.

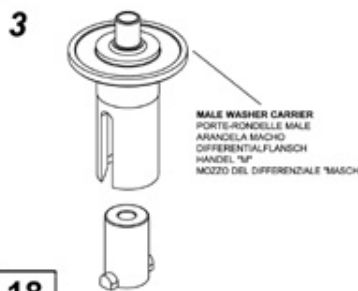
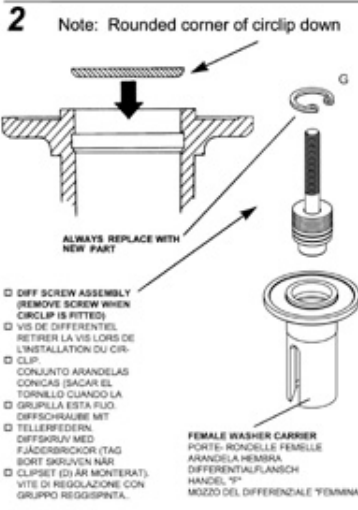
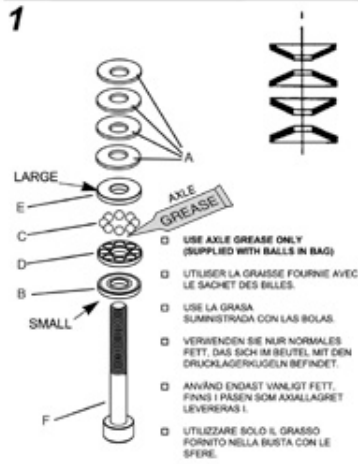
**SVENSKA**

**Karosslackering:**  
Tvätta karossen med vanligt diskmedel för att avlägsna smuts och fett. Skölj karossen ordentligt i rinnande vatten och torka den noggrant. Karossen lackeras på insidan med Lexanfärg (finns i Din hobbybutik). Om flera olika kulörer används tänk på att alltid måla den mörkaste färgen först. Karossen kan maskeras med maskeringsstejp. Avslutningsvis monteras de medföljande dekalerna.

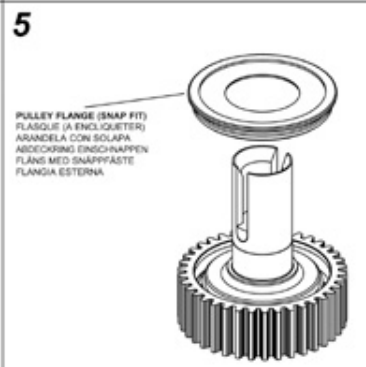
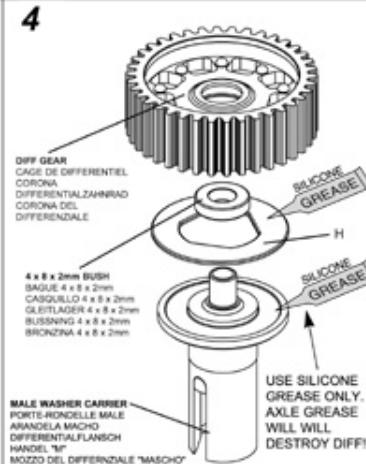
**ITALIANO**

**Verniciatura della carrozzeria.**  
Per prima cosa è necessario lavare la carrozzeria con sapone per eliminare tracce di sporco. Verniciare la carrozzeria dall'interno usando esclusivamente vernici per polycarbonato. È possibile ottenere combinazioni di colori mascherando preventivamente le parti desiderate con nastro adesivo da carrozzieri. Verniciate e dopo aver lasciato asciugare, rimuovete le mascherature e aggiungete il nuovo colore, utilizzate per primi i colori più scuri. Completate la carrozzeria con gli adesivi forniti nel kit.

- THE FOLLOWING STEPS SHOW DIFFERENTIAL ASSEMBLY, USE WHEN SERVICING
- LES ÉTAPES SUIVANTES ILLUSTRENT LE MONTAGE DU DIFFÉRENTIEL, S'Y RÉFÉRER LORS DE L'ENTRETIEN
- LAS SIGUIENTES INSTRUCCIONES ENSEÑAN EL MONTAJE DEL DIFERENCIAL, USE CUANDO MANTENIENDO
- DIE NACHFOLGENDEN SCHRITTE SOLLTEN EINGEHALTEN WERDEN, WENN DAS DIFFERENTIAL NACH EINER REINIGUNG ODER ÜBERHOLUNG MONTIERT WIRD.
- FÖLJANDE STEG VISAR TILLVÄGAGÅNGSÄTTET FÖR SERVICE AV DIFFERENTIALEN.
- SEGUIRE LE SEGUENTI ISTRUZIONI QUANDO È NECESSARIO RASSEMBLARE I DIFFERENZIALI DOPO LA MANUTENZIONE

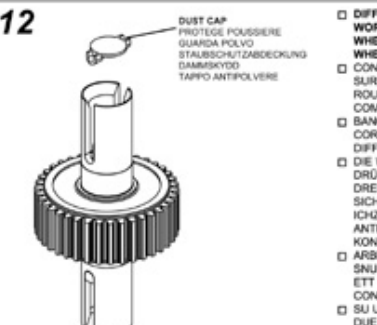
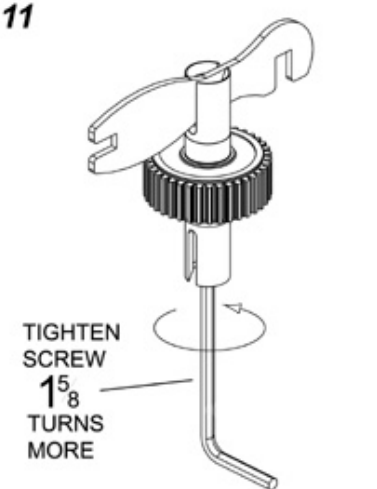
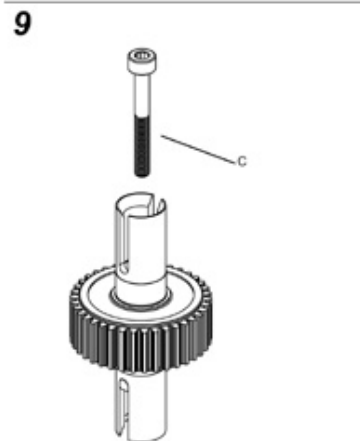
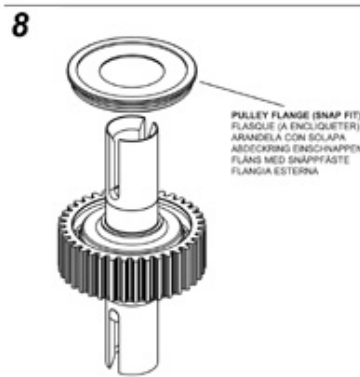
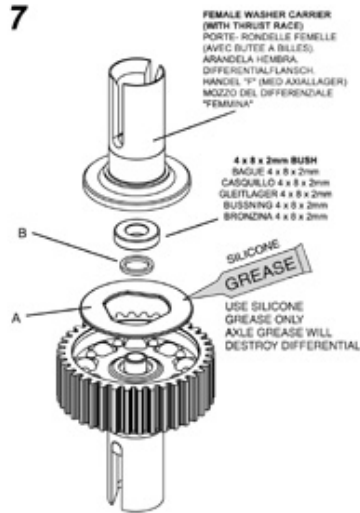


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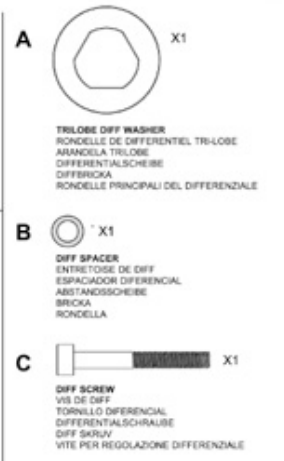


**SERVICING DIFF**  
**ENTRETIEN DE DIFFÉRENTIELS**  
**DIFERENCIAL**  
**WARTUNG DES DIFFERENTIALS**  
**SERVICE AV DIFFERENTIAL**  
**MANUTENZIONE DEL DIFF**

- A** X4  
DISC SPRING (RONDELLE BELLEVILLE SPANISH FEDERSCHIBE FJÄDERBRICKA RONDELLA A TAZZA)
- B** X1  
SMALL
- C** X8  
THRUST RACE ASSEMBLY (BUTE A BILLE RODAMIENTO DIFERENCIAL DRUCKLAGER ENZELTEILE ANLÄGER REGGSPINTA)
- D** X1
- E** X1
- F** X1  
DIFF SCREW (VIS DE DIFF TORNILLO DIFFERENCIAL DIFFERENTIALSCHRAUBE DIFF SKRUV VITE PER REGOLAZIONE DIFFERENZIALE)
- G** X1  
CIRCLIP (CIRCLIP GRUPELLA KLEMRRING CLIPS SELIGER)
- H** X1  
TROLOBE DIFF WASHER (RONDELLE DE DIFFÉRENTIEL TRO-LOBE ARANDELA TROLOBE DIFFERENTIALSCHEIBE RONDELLE PRINCIPALI DEL DIFFERENZIALE)
- I** X9  
4mm DIA DIFF BALL (BILLE DE DIFFÉRENTIEL 4mm DE DIAMÈTRE BOLA DE 4 mm 4mm DIFFERENTIALKUGEL DIFFKULOR 4mm SFERE DEL DIFFERENZIALE DA 4mm)



**SERVICING DIFF**  
**ENTRETIEN DE DIFFERENTIELS**  
**DIFERENCIAL**  
**WARTUNG DES DIFFERENTIALS**  
**SERVICE AV DIFFERENTIAL**  
**MANUTENZIONE DEL DIFF**



**WARNING**  
 IF DIFF STARTS TO SLIP, STOP IMMEDIATELY AND ADJUST

**ATTENTION: SI LE DIFFERENTIEL COMMENCE A PATINER - ARRÊTER ET RÉGLER**

**ATENCIÓN: SI EL DIFERENCIAL EMPieza A PATINAR, PARE INMEDIATAMENTE Y AJUSTELO**

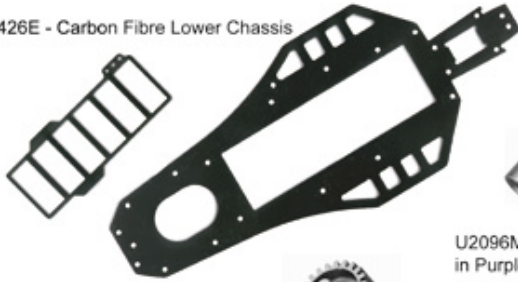
**ACHTUNG! SOBALD SIE EIN DURCHRUTSCHEN DES DIFFERENTIALS FESTSTELLEN FAHREN SIE NICHT WEITER UND STELLEN SIE DAS DIFF EIN.**

**WARNING! OM DIFFEN SKULLE BÖRJA SURRA UNDER KÖRNING MÄSTE DU OMBEDLBAR AVRYTTA KÖRNINGEN OCH JUSTERA DIFFEN.**

**ATTENZIONE: SE IL DIFFERENZIALE DOVESSE SLITTARE FERMALE IMMEDIATAMENTE IL MODELLO E REGOLATELO**

- **DIFF CHECK - PRESS CAR DOWN ON WORK TOP. TURN SPUR GEAR AND AT LEAST ONE REAR WHEEL MUST TURN. GEAR MUST NOT SPIN WITHOUT WHEEL TURNING**
- **CONTRÔLE DE DIFF. - APPLUYER LA VOITURE SUR UNE SURFACE. EN FAISANT TOURNER LA COURONNE, UNE ROUE AU MOINS, DEVRAIT TOURNER.**
- **COMPROBACION - PRESIONE EL COCHE SOBRE EL BANCO DE TRABAJO. EMPUJANDO LA CORONA, LAS RUEDAS DEBEN GIRAR.**
- **DIFERENCIAL TEST - DRÜCKEN SIE DAS FAHRZEUG AUF ANTRIEBSRAD DREHT.**
- **DIE WERKBANK. DRÜCKEN SIE DAS CHASSIS AUF DEN BODEN UND DREHEN SIE KRÄFTIG AM ZAHNRAD. DAS ZAHNRAD DARF SICH NICHT DREHEN LASSEN, OHNE DAS SICH GLEICHZEITIG EIN ANTRIEBSRAD DREHT.**
- **KONTROLL AV DIFFINSTÄLLNING - TRYCK NER BILEN MOT ARBETSBÄNKEN OCH SNURRA PÅ DREVET. NÄR DU SNURRAR PÅ DREVET MÄSTE MINST ETT FRAM- OCH ETT BAKHJUL SNURRA.**
- **CONTROLLO DEI DIFFERENZIALI. PREMENDO IL MODELLO SU UN PIANO GIRATE LA CORONA CON UN DITO. ALMENO DUE RUOTE DEVONO GIRARE. LA CORONA NON DEVE POTER SLITTARE SE ALMENO DUE RUOTE NON GIRANO**

U2426E - Carbon Fibre Lower Chassis



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**SPEED SECRETS**

U2096M - Aerial Mount  
in Purple Chrome



U2018V - Alloy Idler Gear



U2427F - Carbon Fibre Top Deck



U2228V - Carbon Fibre Front Shock Mount



U2227U - Carbon Fibre Rear Shock Mount



U1475O Tungsten Carbide Diff Balls 4mm (pk10)  
U1954V Tungsten Carbide Thrust Bearing (not shown)



U2095L - Servo Mounts  
Chrome Purple



U1787P - Viscous Drive Unit  
requires viscous shaft U1791T  
(not shown)



U823 - Slipper Clutch Set  
requires layshaft U1414F  
(not shown)

U1419K Ball Bearing Set for Differential Centre  
Replaces the Plastic Bushes in the Centre of  
your differential. You will need one pair.  
Set includes centre diff alloy spacer.



U2090F - Front Anti-Roll Bar



U1847X - Rear Anti-Roll Bar

U1351U Short Spring Set (5 pairs)  
U1353W Long Spring Set (5 Pairs)



U1963E - Alloy Pro Shock Bodies



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

U1248V Ball Bearing Set Steering Post  
Replaces the Bushes in the Steering Posts.  
You will need two for both left and right steering posts.



U2097N - Chassis Gates (Purple Chrome)

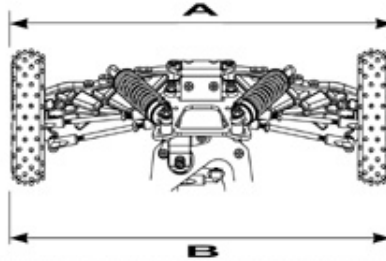
## FRONT TOE-IN

THE FRONT TOE-IN IS SET BY ADJUSTING THE STEERING TRACKROD TURNBUCKLES.

TOE-IN = A LESS THAN B  
TOE-OUT = A GREATER THAN B

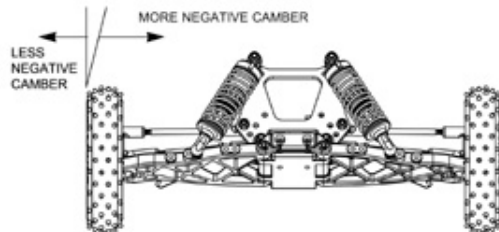
TOE-IN WILL GIVE A MORE STABLE CAR BUT WILL GIVE LESS SHARP TURN IN. RECOMMENDED STARTING POINT IS 1 DEGREE EACH SIDE - MAXIMUM 2 DEGREES EACH SIDE.

TOE-OUT WILL GIVE THE OPPOSITE, LESS STABILITY BUT SHARPER TURN IN TO CORNERS.



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## TRACK SETTINGS



## FRONT & REAR CAMBER

FRONT AND REAR WHEELS SHOULD BE SET AT NEGATIVE CAMBER (THE TOP OF THE WHEELS LEAN INWARD AS SHOWN ABOVE) WITH MORE NEGATIVE CAMBER THE CAR WILL HAVE HIGH LEVELS OF GRIP BUT THERE MAY BE THE POSSIBILITY OF SUDDEN BREAKAWAY IN CORNERS. REDUCING THE CAMBER GIVES A MORE PROGRESSIVE SLIDE, BUT MAY GIVE LESS GRIP. GOOD STARTING POINT IS 1-2 DEGREES.

## REAR TOE-IN

THE REAR TOE-IN CAN BE CHANGED INBOARD AND OUTBOARD AT THE WISHBONE. CAR AS BUILT HAS 3 DEGREES TOE-IN INBOARD. OUTBOARD, THERE ARE SEVERAL HUB CARRIER OPTIONS EACH WITH DIFFERENT DEGREES TOE-IN.

U2208W 0 DEGREE REAR HUB CARRIER (INCLUDED IN KIT)  
U2209X 1 DEGREE REAR HUB CARRIER  
U2210Y 2 DEGREE REAR HUB CARRIER  
U2211A 3 DEGREE REAR HUB CARRIER



INBOARD, THERE ARE TWO OPTIONS AVAILABLE IN THE KIT.

3 DEGREES INBOARD TOE-IN (USED IN KIT BUILD)

0 DEGREES INBOARD TOE-IN (IF YOU USE THIS BLOCK IT IS RECOMMENDED YOU CHANGE YOUR HUB CARRIERS FROM 0 DEGREES (KIT STANDARD) TO ONE OF THE OTHERS, TO ACHIEVE TOE-IN.

MORE REAR TOE-IN WILL GIVE MORE POWER UNDERSTEER AND MORE STABILITY AND TRACTION AT THE REAR, RECOMMENDED FOR TRACKS WITH LOW TRACTION.

ENSURE TOE-IN IS THE SAME BOTH SIDES.

## REAR ANTI SQUAT

THE CAR AS BUILT HAS 1.5 DEGREES ANTI SQUAT. THIS IMPROVES TRACTION. THE MORE ANTI SQUAT THE MORE TRACTION BUT AT MAXIMUM THE CAR WILL GET UNSTABLE WHEN TURNING OFF POWER INTO HIGH SPEED CORNERS. WITH ZERO ANTI SQUAT (WISHBONE PIVOT PIN PARALLEL TO LOWER CHASSIS) THE STEERING WILL BE VERY SHARP AND THE BALANCE WILL BE NEUTRAL. ON SLIPPERY TRACKS ADD ANTI SQUAT.



## SPRINGS

FIT SPRING SPACERS TO SET THE REQUIRED RIDE HEIGHT. SPRING SPACERS ONLY CHANGE RIDE HEIGHT, THEY DO NOT ALTER SUSPENSION STIFFNESS. THE SPRING RATE CONTROLS THE SUSPENSION STIFFNESS.

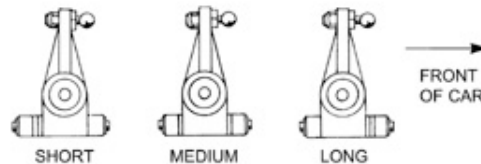
## ROLL CENTRE

ALTERING THE REAR TOP LINK POSITION CHANGES THE ROLL CENTRE. LONGER TOP LINK GIVES LESS CAMBER CHANGE & GOOD TRACTION BUT LESS HIGH SPEED STEERING. SHORTER TOP LINK GIVES MORE CAMBER CHANGE & BETTER HIGH SPEED STEERING. THE LOWER ROW GIVES EVEN MORE CAMBER CHANGE AND INCREASES THE EFFECT



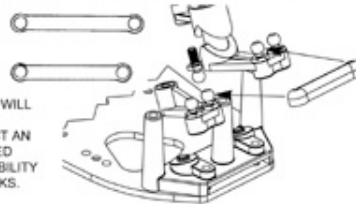
## WHEELBASE

THERE ARE 3 DIFFERENT WHEELBASE OPTIONS AS SHOWN. GENERALLY THE SHORTER WHEELBASE GIVES MORE REAR TRACTION, A LONGER WHEELBASE IMPROVES STEERING RESPONSE.



## ACKERMANN

THERE ARE TWO LENGTHS OF ACKERMANN LINK. THE SHORTER LINK WILL GIVE INCREASED ACKERMANN EFFECT AN IMPROVE LOW SPEED STEERING AND STABILITY ON LOW GRIP TRACKS.



PINION ALL	SPUR GEAR	OVER-RATIO	PINION ALL	SPUR GEAR	OVER-RATIO
28	86	6.14	21	92	8.76
28	89	6.36	21	95	9.05
27	86	6.37	20	86	8.60
27	89	6.59	20	89	8.90
26	86	6.62	20	92	9.20
26	89	6.85	20	95	9.50
25	86	6.88	19	86	9.05
25	89	7.12	19	89	9.37
25	92	7.36	19	92	9.68
24	86	7.17	19	95	10.00
24	89	7.42	18	89	9.89
24	92	7.67	18	92	10.22
23	86	7.48	18	95	10.55
23	89	7.74	17	89	10.47
23	92	8.00	17	92	10.82
22	86	7.82	17	95	11.18
22	89	8.09	16	89	11.13
22	92	8.36	16	92	11.50
22	95	8.63	16	95	11.86
21	86	8.19	15	92	12.27
21	89	8.48	15	95	12.67

## GEAR RATIO CHART