

# **ENIGMA** XRG

**scale 1/8**

**4WD**

**Instruction manual • Bouwhandleiding • Bauanleitung • Instructions de montage**



### **SAS: Service after sales**

Please note that only manufacturing faults or problems caused by manufacturer faults will be repaired on the account of SAS. It is not possible to claim warranty if the problem is caused by misuse of this product.

### **SAV INTERNATIONALE**

#### **PROTECH**

TEL: ++ 32 14 25 92 83

FAX: ++ 32 14 25 92 89

email: [info@promodels.be](mailto:info@promodels.be)

<http://www.protech.be>

Please use the spare parts list at the back of this manual to help you find the part more easily

PROTECH cannot be held responsible for damage or any claims arising from the use of this product.

### **SNV: Service na verkoop**

Alléén fabricagefouten of problemen veroorzaakt door een fabricagefout zullen op rekening van de SNV hersteld worden. Er kan nooit aanspraak gemaakt worden op een gratis herstelling door de SNV als de problemen voortkomen uit een verkeerd gebruik van het product

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Om het zoeken van het onderdeel dat u nodig hebt te vergemakkelijken, gelieve de onderdelenlijst op pagina 25-26 van deze handleiding te raadplegen

PROTECH kan niet verantwoordelijk gesteld worden voor schade of vorderingen voortvloeiend uit het gebruik van dit product

### **KD : Kundendienst**

Nur Herstellungsfehler oder durch Herstellungsfehler verursachte Probleme werden für Rechnung des KD repariert. Die Garantie kann nicht in Anspruch genommen werden, wenn das Problem auf eine unsachgemäße Verwendung des Erzeugnisses zurückzuführen ist.

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Bitte verwenden Sie die in diesem Anweisungsheft auf Seite 25-26 abgedruckten Diagramme, um die Ersatzteile zu finden, die Sie benötigen.

PROTECH kann nicht für Schäden oder Ansprüche haftbar gemacht werden, die sich aus der Verwendung dieses Produkts ergeben.

### **SAV: Service après vente**

Ne seront pris en charge par le SAV, que les pièces présentant un vice de fabrication. En aucun cas, la mauvaise utilisation du produit ne peut enjendrer un SAV gratuit.

### **SAV INTERNATIONALE**

#### **PROTECH**

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FAX: ++ 32 14 25 92 89

email: [info@promodels.be](mailto:info@promodels.be)

<http://www.protech.be>

Afin de faciliter la recherche de vos pièces détachées, veuillez consulter la liste des pièces détachées en fin de cette notice

PROTECH ne peut pas être rendu responsable pour des dommages provenant de l'utilisation de ce produit.



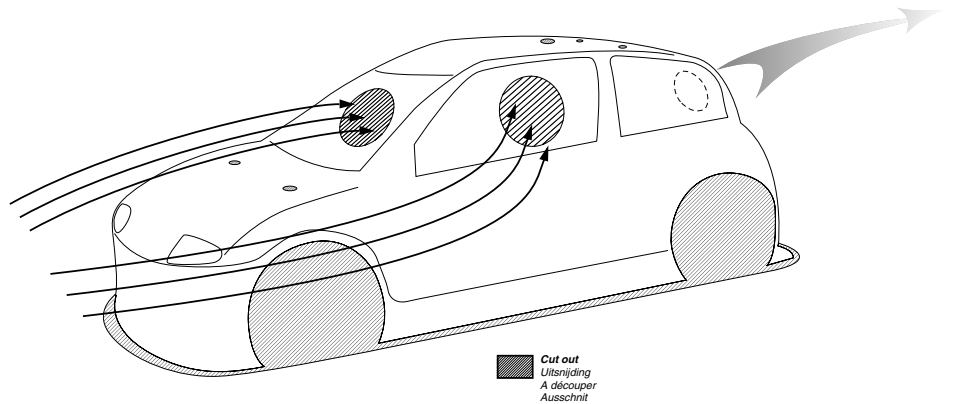
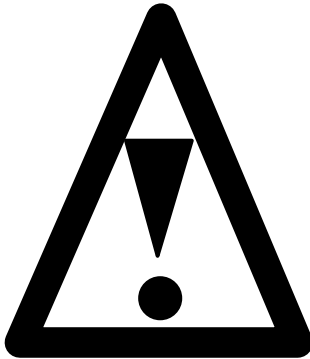
**Cut out of the body / Uitsnijden van de carrosserie**  
**Ausschneiden von Karosserie / Découpe de la carrosserie**

**VERY IMPORTANT:**  
**ATTENTION:**

**do not forget to cut out the body for the engine cooling.**  
**Ne pas oublier de découper les orifices pour le refroidissement du moteur.**

Cut out for the engine cooling  
Découpe des orifices de refroidissement du moteur

Cut a hole in the rear window  
Faites une découpe dans la vitre arrière



**AK100**

PROTECH Curved scissors pecially designed to cut all plastic materials



**Engine set -up / Afstellen van de motor**  
**Einstellungen des Motors / Réglage moteur**



- Check the ENGINE SET-UP manual to start and break in the engine
- Lees aandachtig de handleiding AFSTELLEN MOTOR voor het inlopen en roderen van de motor
- Lesen Sie gründlich die Anleitung EINSTELLEN DES MOTORS für das einlaufen und rodieren vom Motor
- Consultez le manuel REGLAGE DU MOTEUR pour démarrer et rôder votre moteur



**Assembly of the front and rear shock absorbers / Montage van de voorste en achterste schokdempers / Assemblage des amortisseurs AV et AR / Montierung des Dämpferzylinder vorne und hinten**

**SHOCK ABSORBERS (x4)  
AMORTISSEURS COURTS (x4)  
KORTE SCHOKDEMPERS (x4)  
KURZE ÖLSTOßDAMPFER (x4)**

**Shock body FR/RE  
T52.022**

**Shock piston  
T56.004**

**Shock shaft FR/RE  
T52.021**

To insert the shock shaft more easily in the shock body, apply some oil.

Avant de glisser l'axe dans le corps d'amortisseur, mettez un peu d'huile.

Alvorens de schokdempers in de schokdemperbehuizing te glijden, gebruik een beetje olie op het uiteinde.

Bring ein wenig Öl auf die Kolbenstange an

**Shock washer sets  
T56.005**

**C-Ring**

**Fit into groove**

**Screw the shockcap on and tighten firmly /  
Bien fermer le bouchon /  
Schroef de afsluitkap goed vast /  
Schraub das Oberteil gut fest**

**Pull down the piston  
Tirez sur le piston  
Trek de as naar beneden  
Ziehe die Gestange nach Unten**

Fill in until shock oil nearly overflows.  
Remplissez d'huile pour amortisseur jusqu'à presque débordement.  
Vul de schokdemper tot bovenaan met olie.  
Bring Öl in den Dämpferzylinder bis Oben.

Then, slowly move the piston up and down to get rid of air bubbles.  
Bougez lentement de haut en bas pour enlever les bulles d'air.  
Beweeg de schokdemper as langzaam op en neer om de luchtballen uit de olie te krijgen.  
Drücken sie die Kolbenstange langsam nach Oben und nach Unten um Luftblase zu entfernen.

**Pressure top  
T56.011**

**Shock cap  
T56.105**

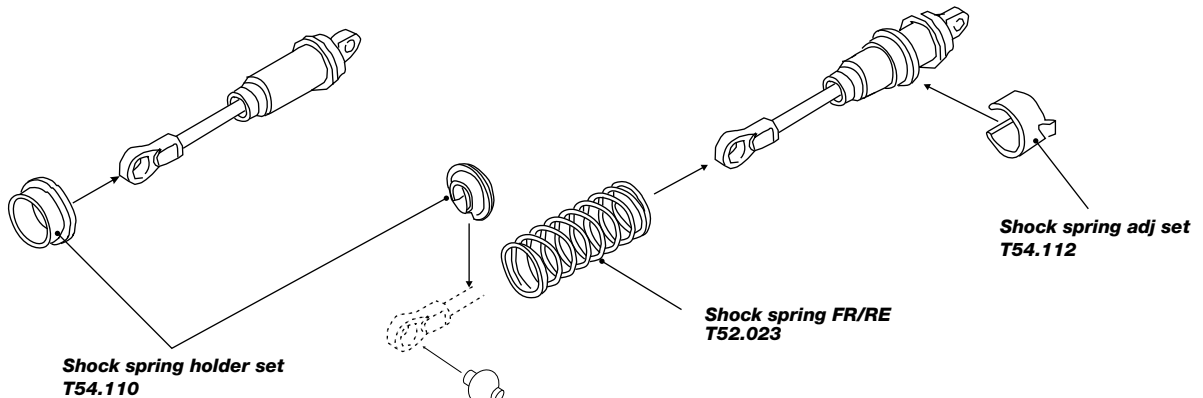
**Insert deeply  
Insérez profondément  
Diep indrukken  
Tief eindrukken**

**Ball link shock  
T56.106**

**Check if the piston moves smoothly**

**Contrôlez si le piston bouge en douceur**






**Controleer of de as makkelijk kan op en neer bewegen**

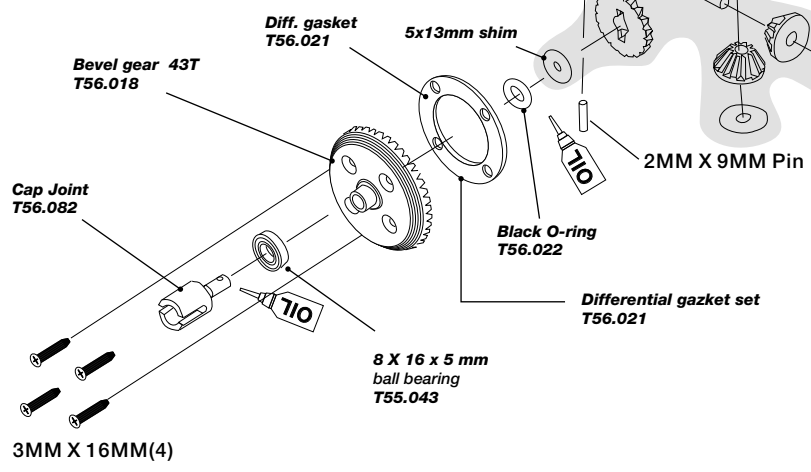
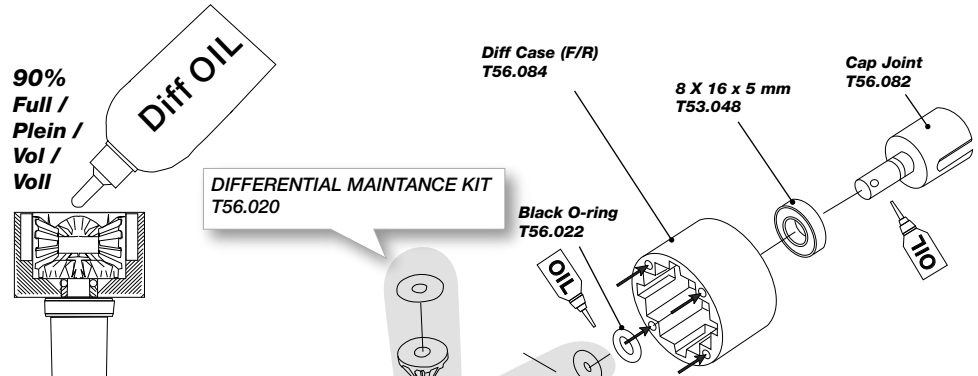


**SHORT for FRONT  
LONG for REAR**

**Assembly of the differentials FR & RE / Montage van het voorste en achterste differentiën /  
Assemblage des différentiels AV et AR / Montierung von die Vordere und Hintere Differentialen**

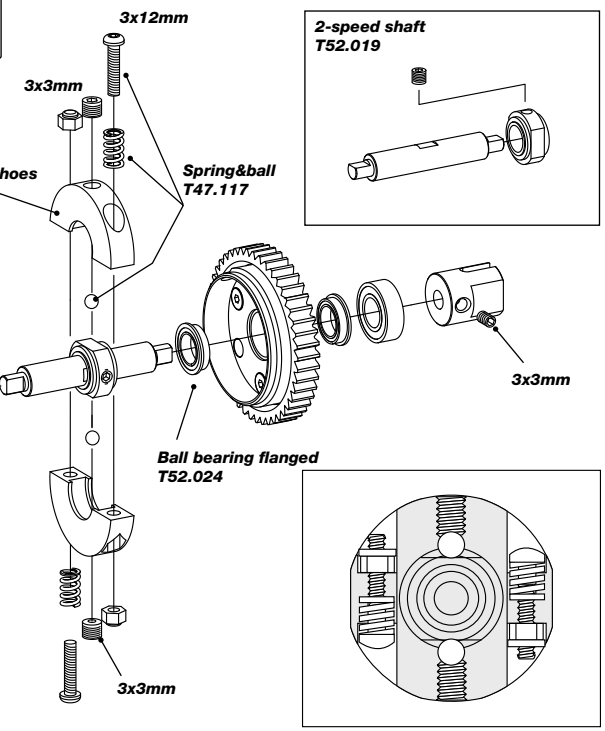
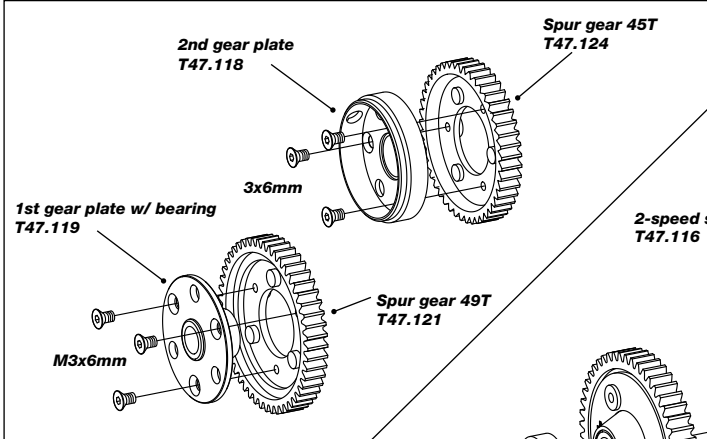
**COMPLETE FRONT of REAR DIFFERENTIAL  
T56.015**

-  X12  
3MM X 16MM
-  X 6  
5MM X 13MM Shim
-  X12  
3.6MM X 12MM Shim
-  X 6  
2MM X 9MM Pin
-  X 6  
Black O-ring







**USE ONLY PROTECH SILICONE OIL**

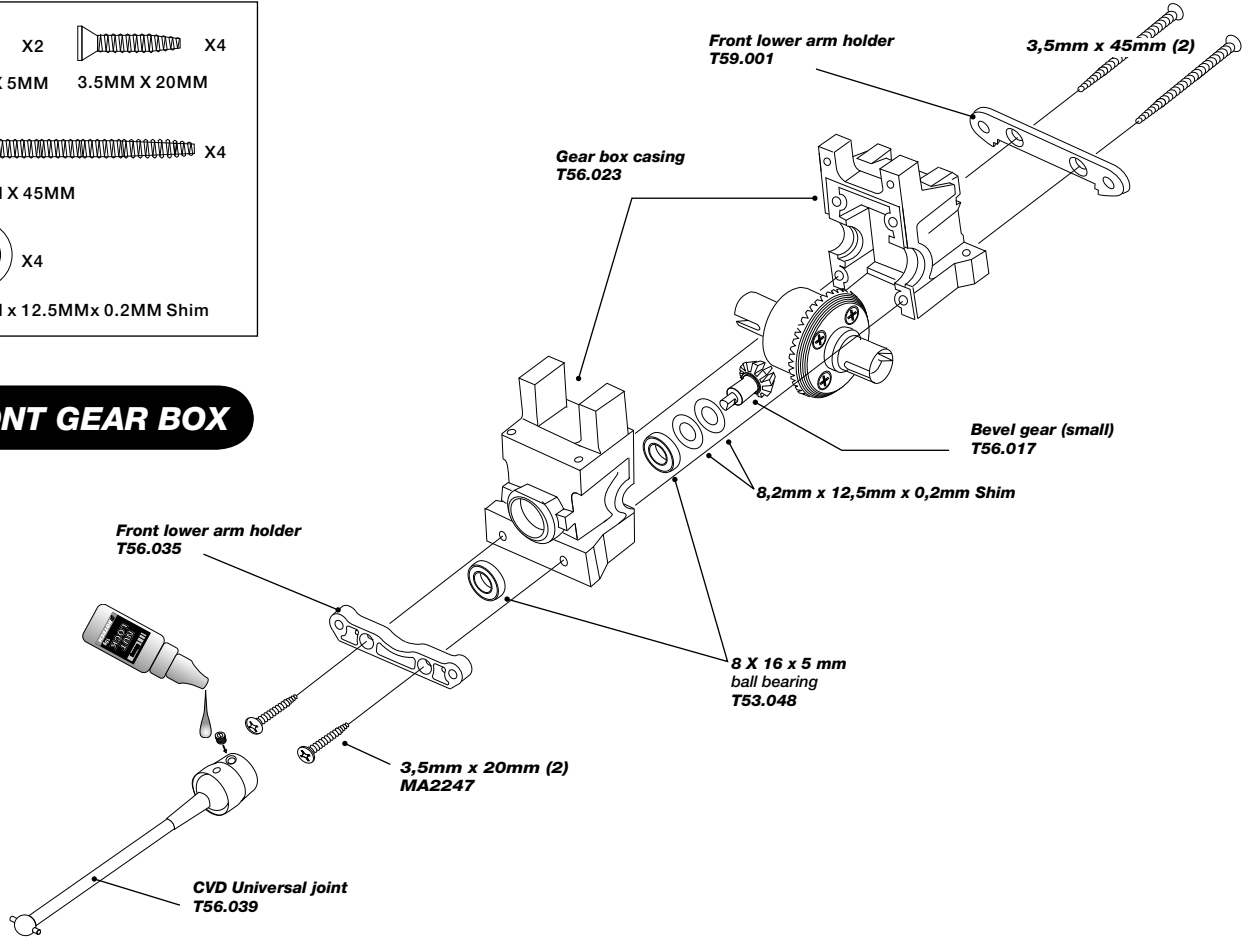
<b>FRONT DIFF.</b>	More steering Standard Less steering	use the ref. SL2500 use the ref. SL5000 use the ref. SL10000
<b>REAR DIFF.</b>	Standard	use the ref. SL1000 or use grease



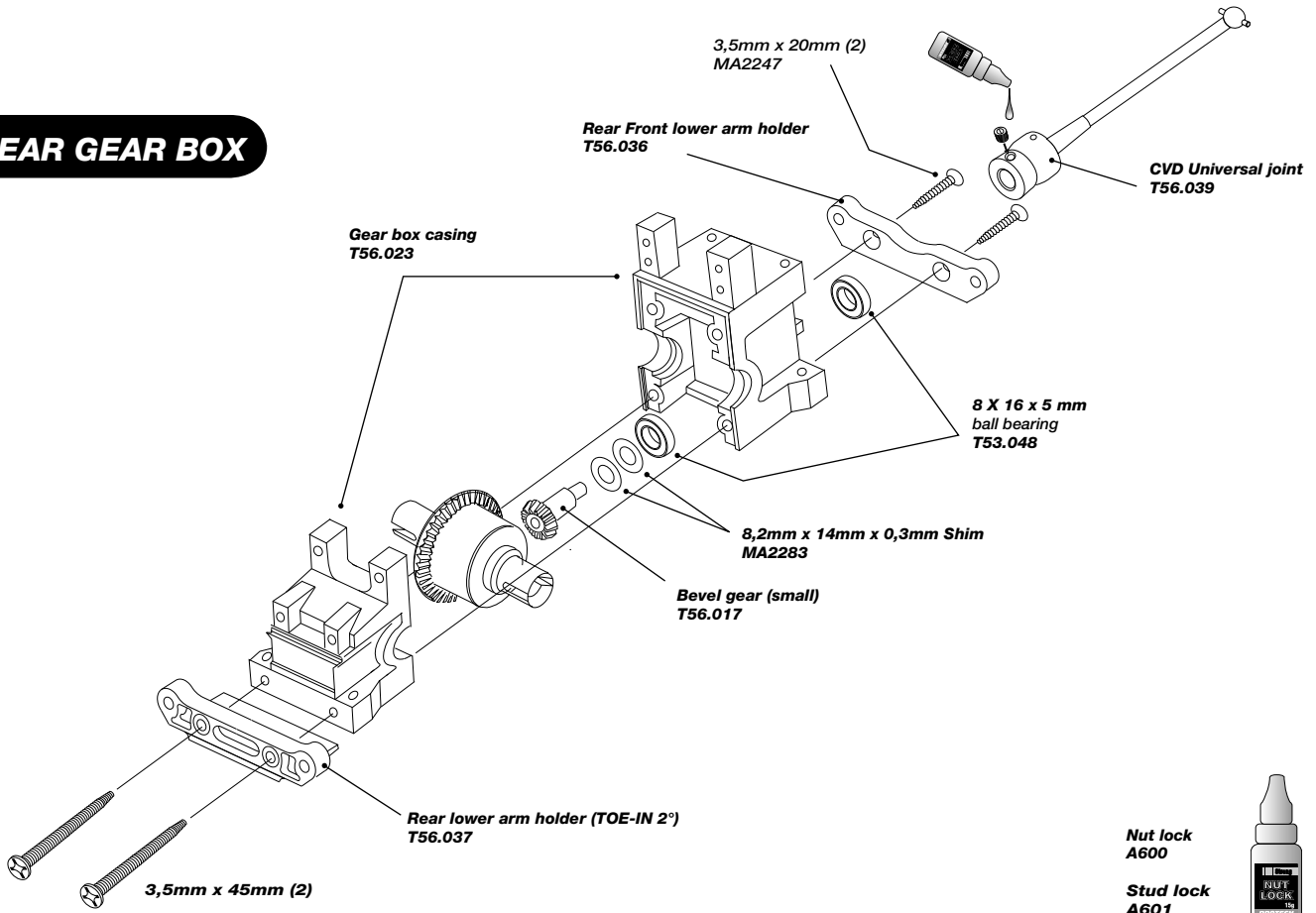
**Assembly of the FR/RE gearbox / Montage van de voorst versnelling /  
Montage des réducteurs AV / AR / Montierung des Getriebe vorne**

-  X2     X4
- 5MM X 5MM    3.5MM X 20MM
-  X4
- 3.5MM X 45MM
-  X4
- 8.2MM x 12.5MMx 0.2MM Shim

**FRONT GEAR BOX**






**REAR GEAR BOX**



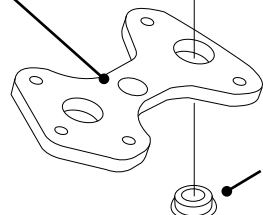
Nut lock A600  
Stud lock A601



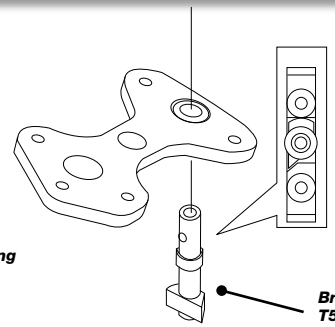
**Installing the 2-speed gear box / Montage van de central versnelling /  
Installation de la boîte de vitesse / Montierung des Getriebe**

-  X2  
3MM X 4MM
-  X4  
3MM X 14MM
-  X4  
3MM X 10MM

Center differential plate  
T52.001



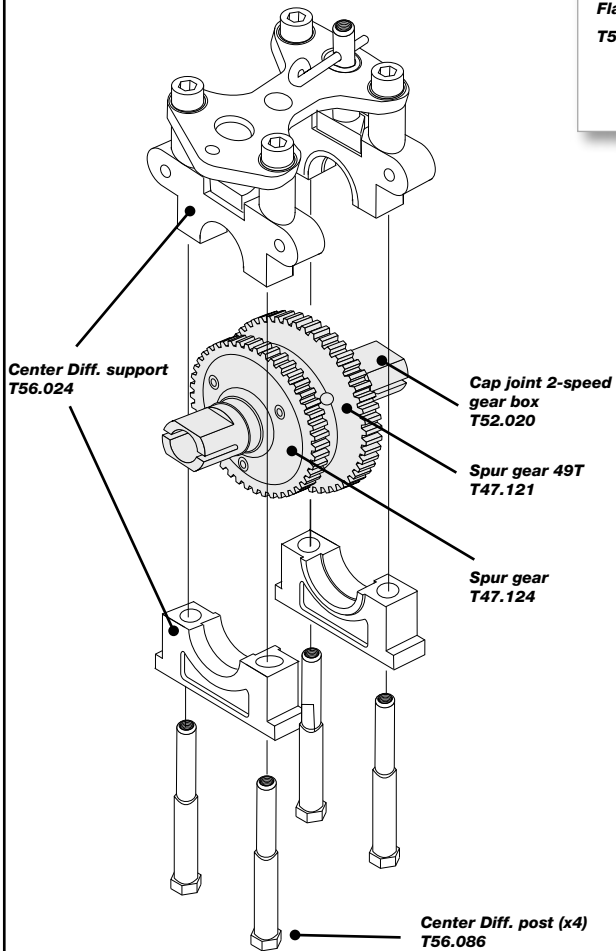
5 X 8 mm  
Plastic bushing  
T59.008



Brake cam  
T56.049

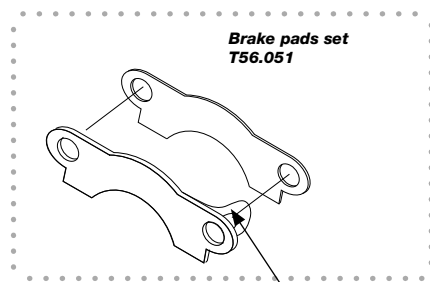
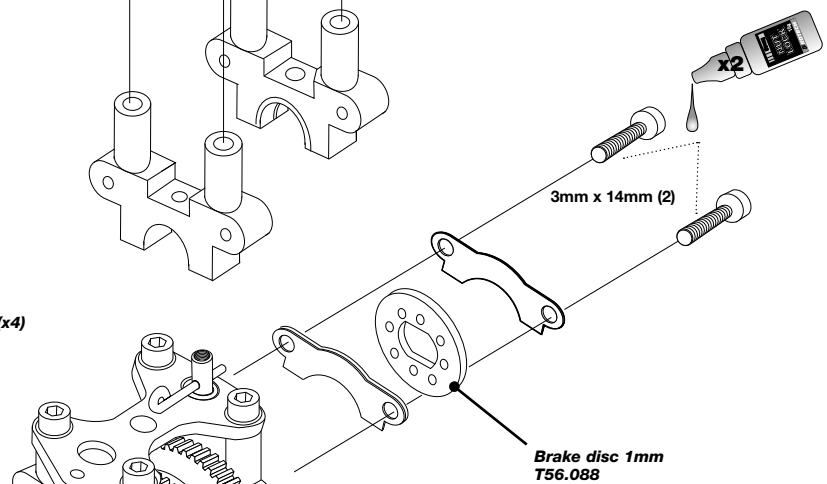
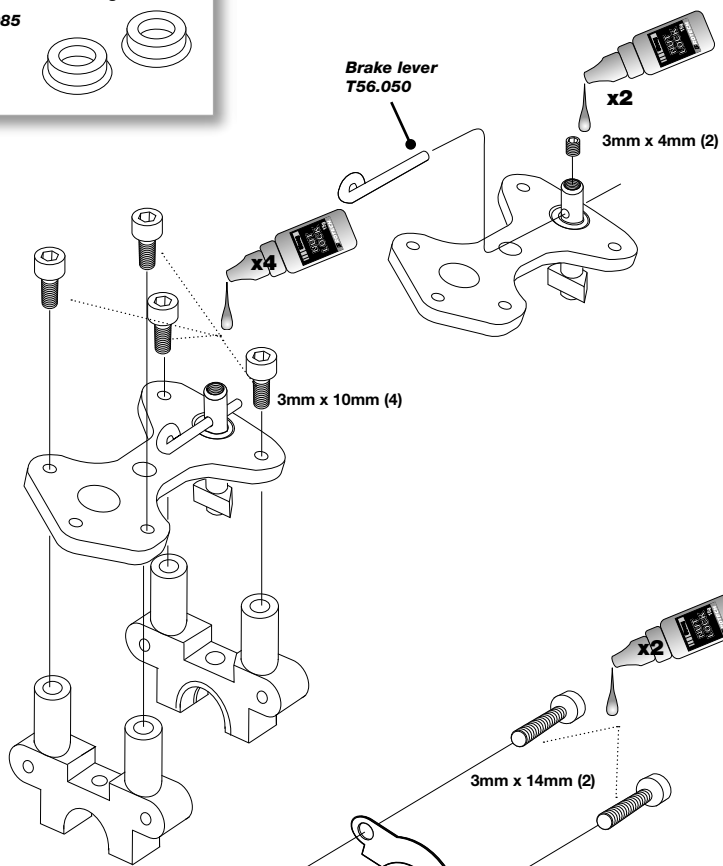
**OPTIONAL PART**

5 X 8 mm  
Flanged ball bearing  
T56.085



Brake lever  
T56.050

x2  
3mm x 4mm (2)





**FRONT**

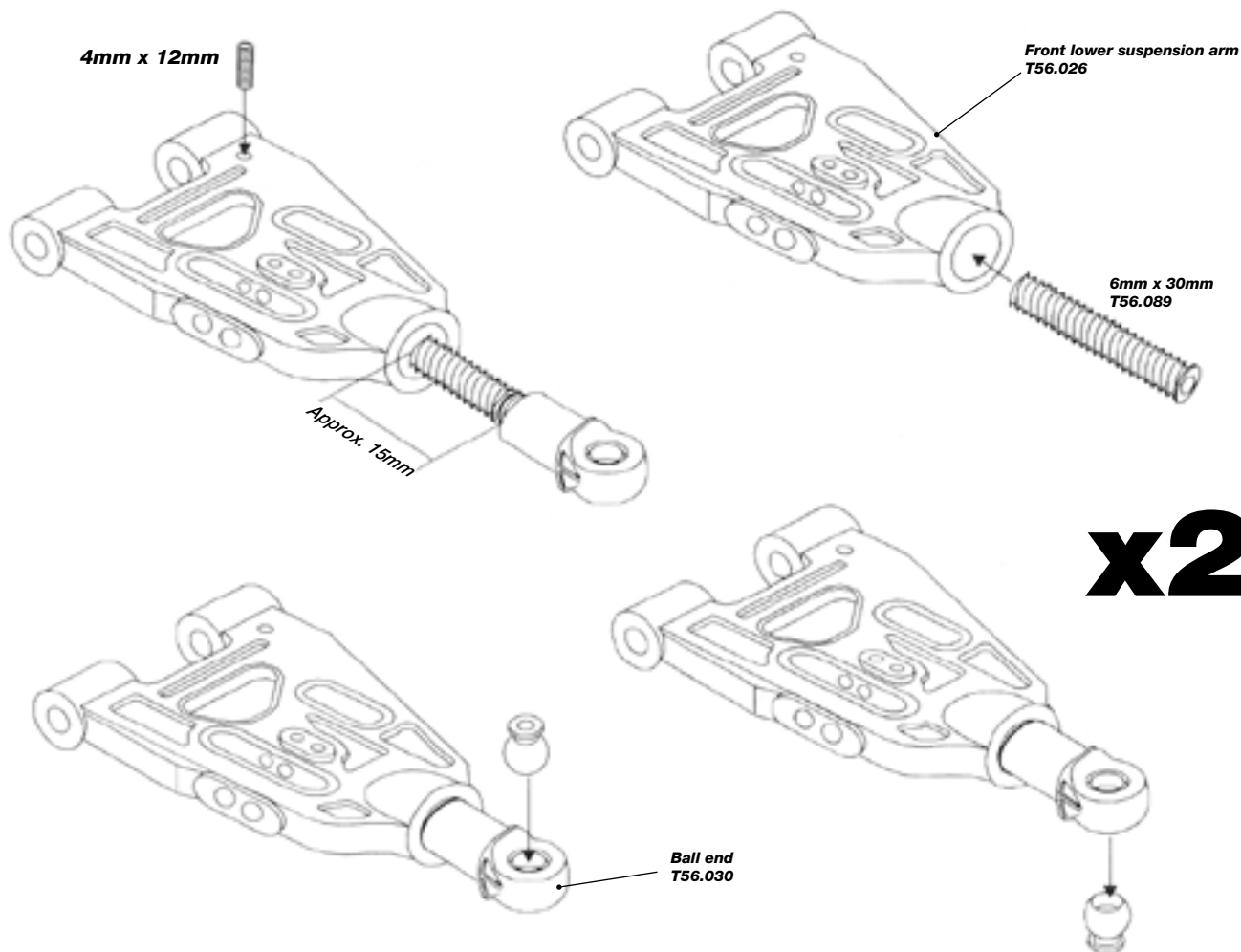
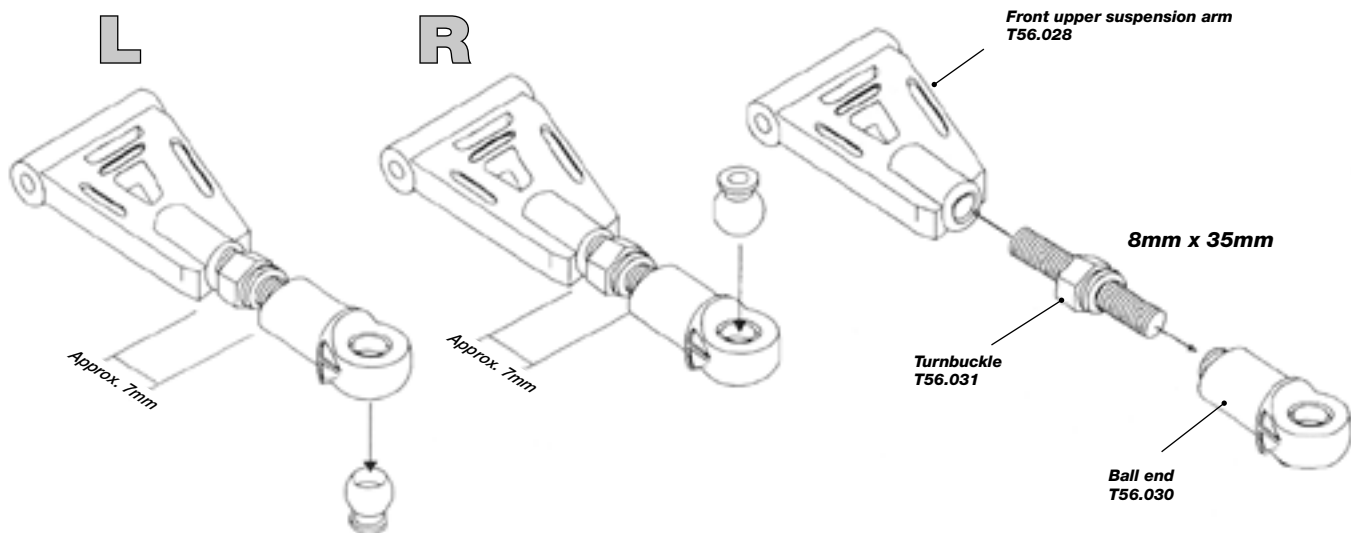
Remember to remove backing  
from brake pad



**Assembly of the front suspension / Montage van de voorste ophanging /  
Montage de la suspension avant / Montierung von die vordere Querlenker oben**

-  X2     X2
- 6MM X 30MM      4MM X 12MM

**x2**







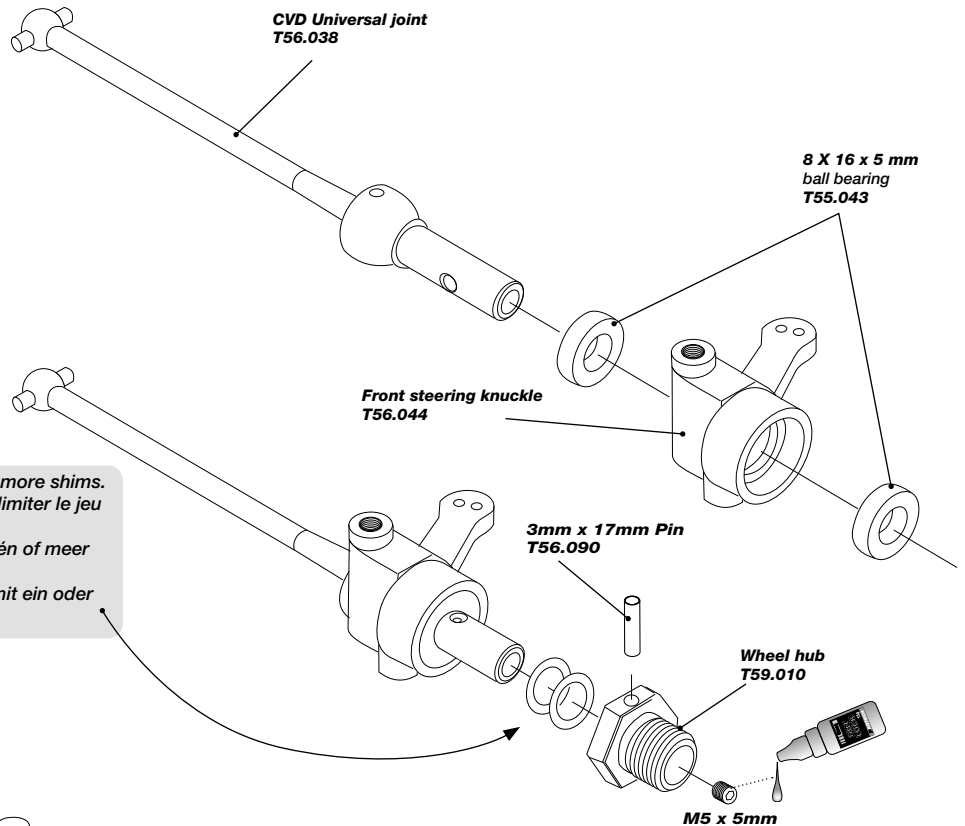
**x2**



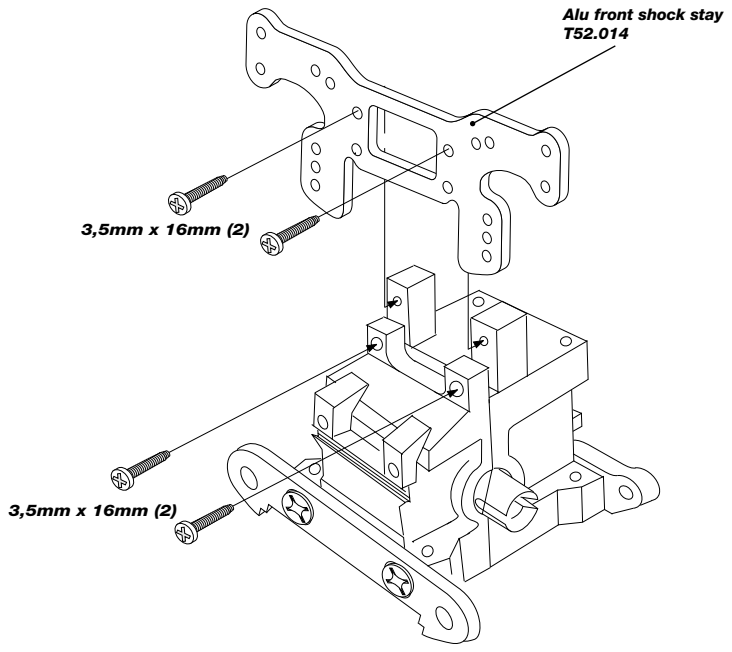
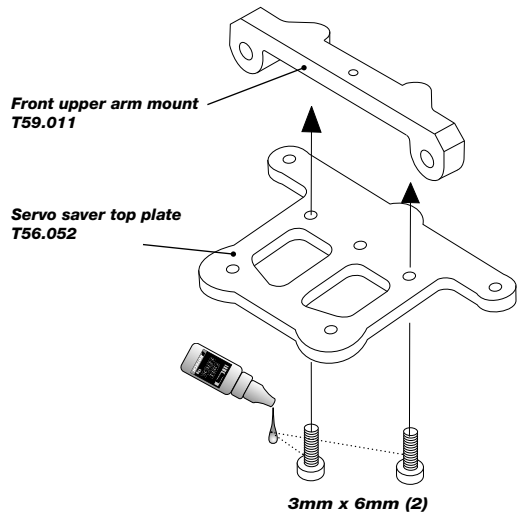


**Assembly of the front suspension / Montage van de voorste ophanging /  
Montage de la suspension AV / Montierung von die vordere Querlenker oben**

-  X1
- 3MM X 12MM
-  X2
- 5MM X 5MM
-  X4
- 3.5MM X 16MM
-  X2
- 3MM X 6MM









*This gap can be adjusted by add one or more shims.  
Ajoutez une ou plusieurs rondelles pour limiter le jeu latéral de l'hexagone.  
Deze spatie kan opgevuld worden met één of meer rondellen.  
Die Spazierung kann aufgefüllt werden mit ein oder mehrere Unterlegscheiben.*

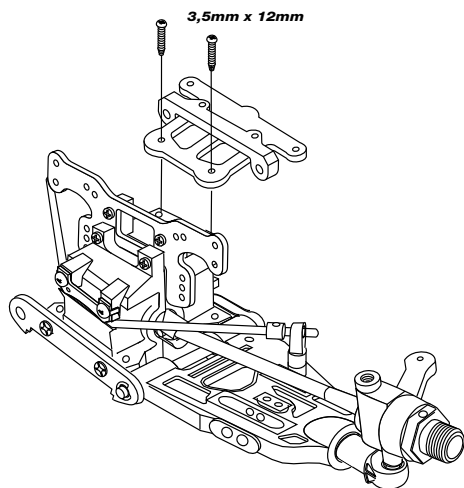
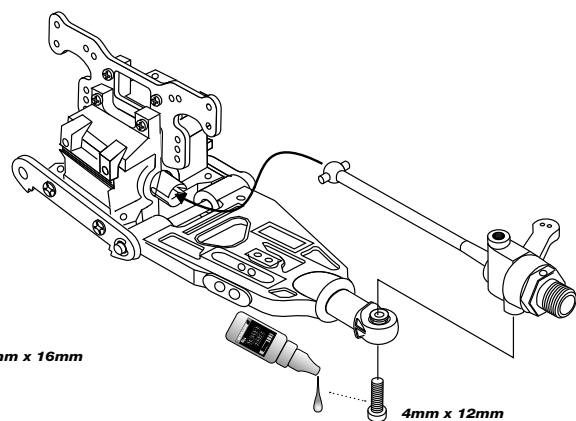
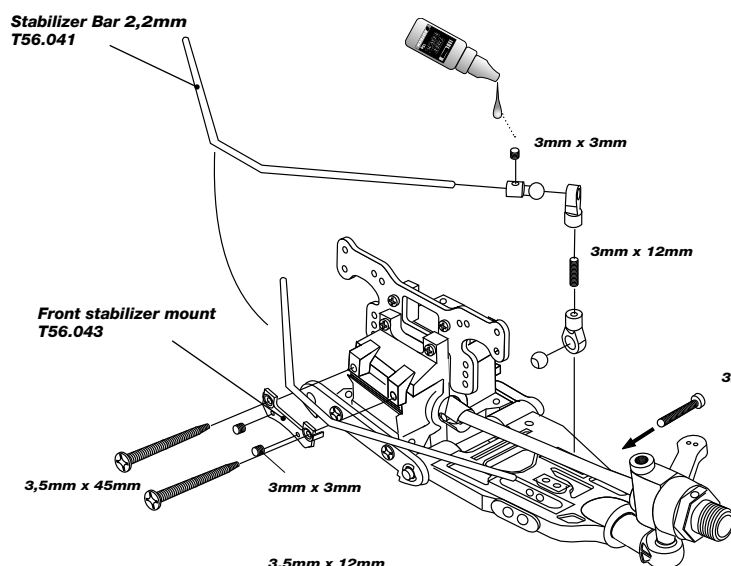
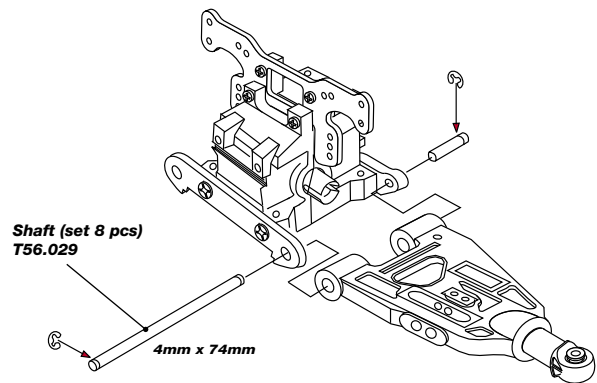


**FRONT GEAR BOX**



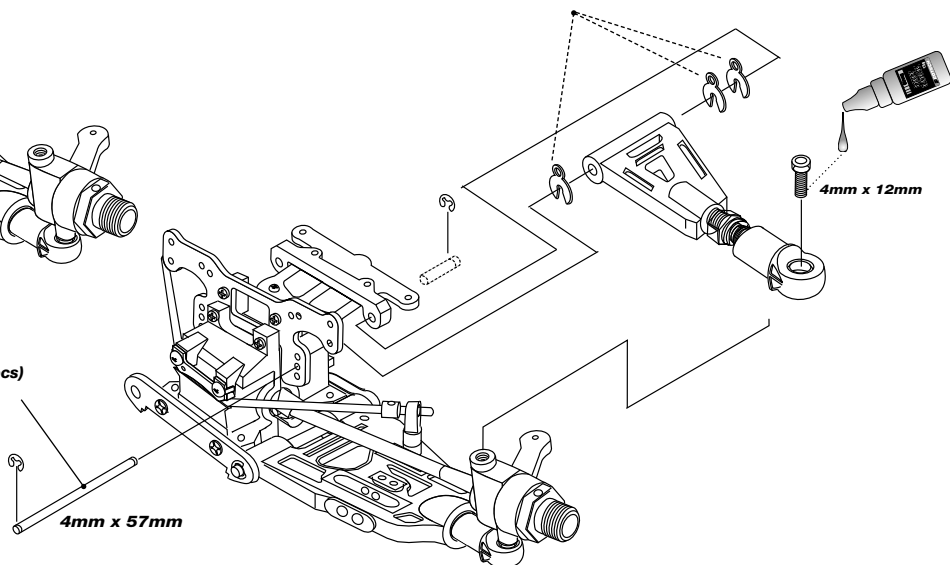
**Assembly of the front suspension / Montage van de voorste ophanging /  
Montage de la suspension AV / Montierung von die vordere Querlenker oben**

	X4		X2
3MM X 3MM		3MM X 12MM	
	X4		X2
4MM X 12MM		3MM X 16MM	
	X2		
3.5MM X 12MM			
			X2
3.5MM X 45MM			











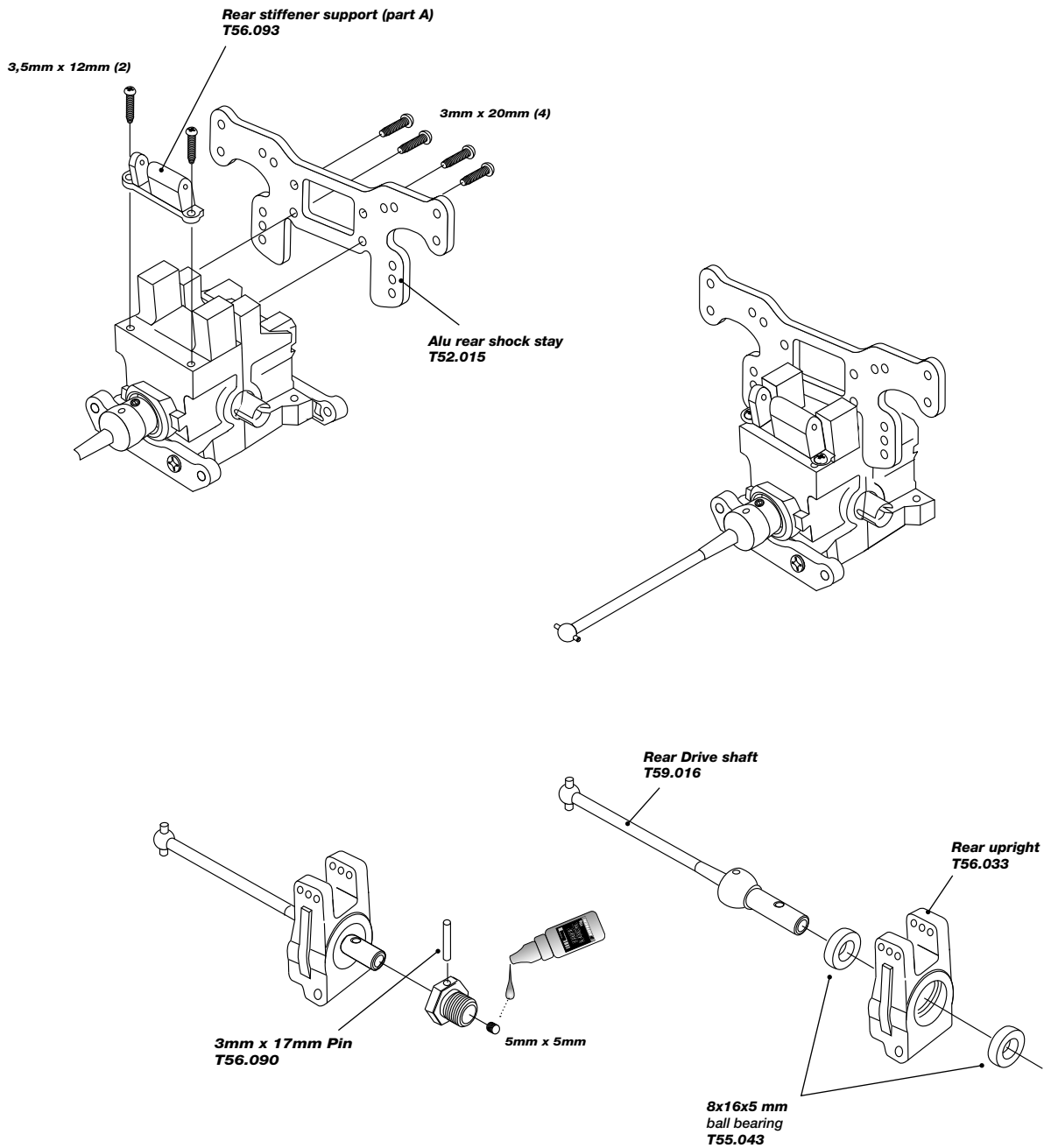
- Caster angle adjuster
- Entretoise pour le réglage du carrossage
- Afstelringen voor het afstellen van het castor
- Disahzbughsen fur abstimmung des steer winkel

Shaft (set 8 pcs)  
T56.029










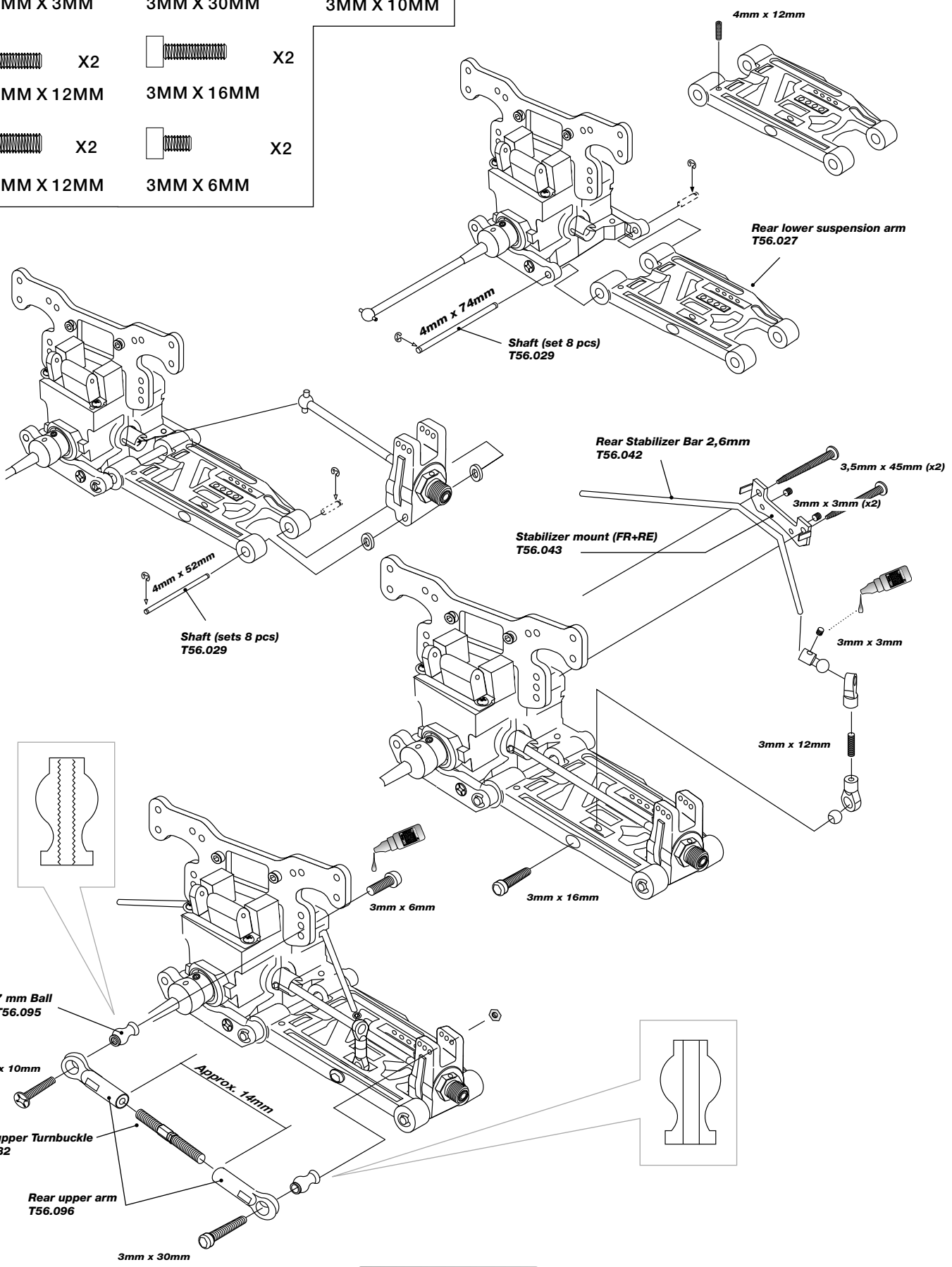
**Assembly of the rear shock stay / Montage van de achterste schokdempersteun /  
Montage du support d'amortisseurs AR / Montierung von die Stoßdämpferplatine**

	X2		X1		X2		X2
5MM X 5MM		3MM X 30MM		3.5MM X 30MM		3.5MM X 20MM	
	X1		X6		X1		X2
3MM X 10MM		3MM X 20MM		3MM X 35MM		3.5MM X 12MM	








**Assembly of the rear suspension / Montage van de achterste ophanging /  
Montage de la suspension AR / Montierung von die Querlenker oben**

 X4	 X2	 X2
3MM X 3MM	3MM X 30MM	3MM X 10MM
 X2	 X2	
3MM X 12MM	3MM X 16MM	
 X2	 X2	
4MM X 12MM	3MM X 6MM	

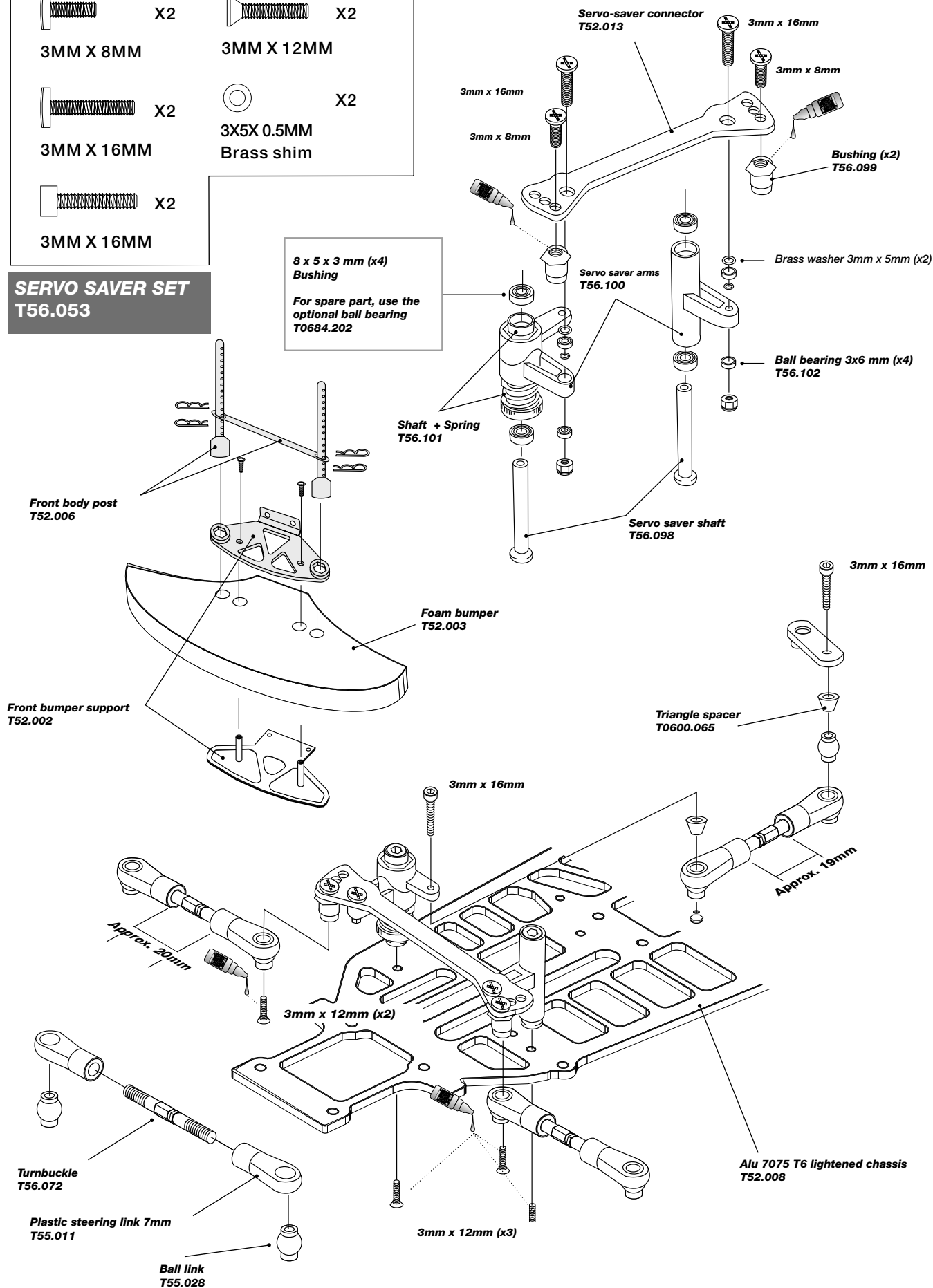


**Assembly of the servo saver / Montage van de servo saver  
Assemblage du sauve-servo / Montierung des Servo Saver**









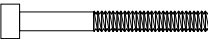
- |   |    |   |    |
|---|----|---|----|
|  | X2 |  | X2 |
| <b>3MM X 8MM</b>  |    | <b>3MM X 12MM</b>   |    |
|  | X2 |  | X2 |
| <b>3MM X 16MM</b>   |    | <b>3X5X 0.5MM<br/>Brass shim</b>  |    |
|  | X2 |   |    |
| <b>3MM X 16MM</b>   |    |   |    |

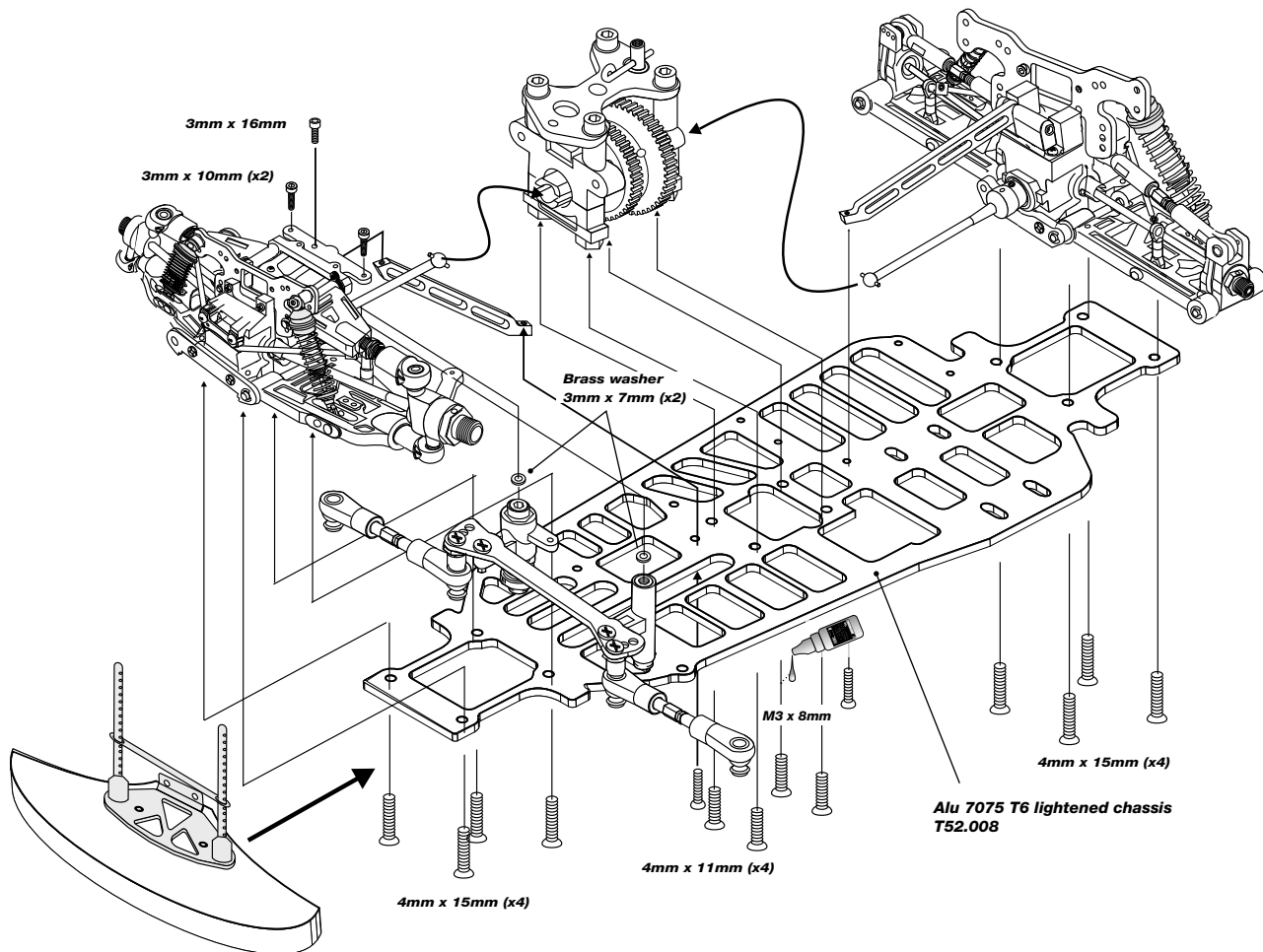
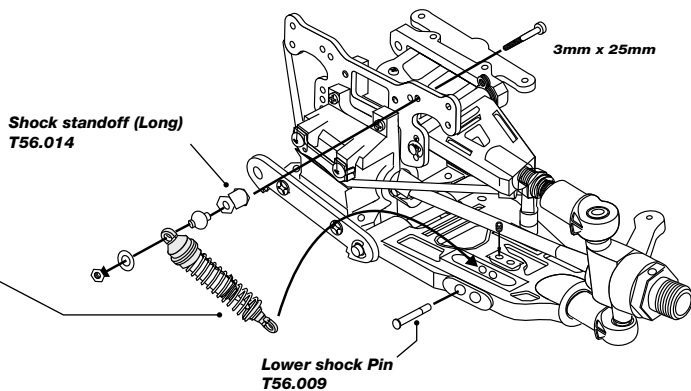
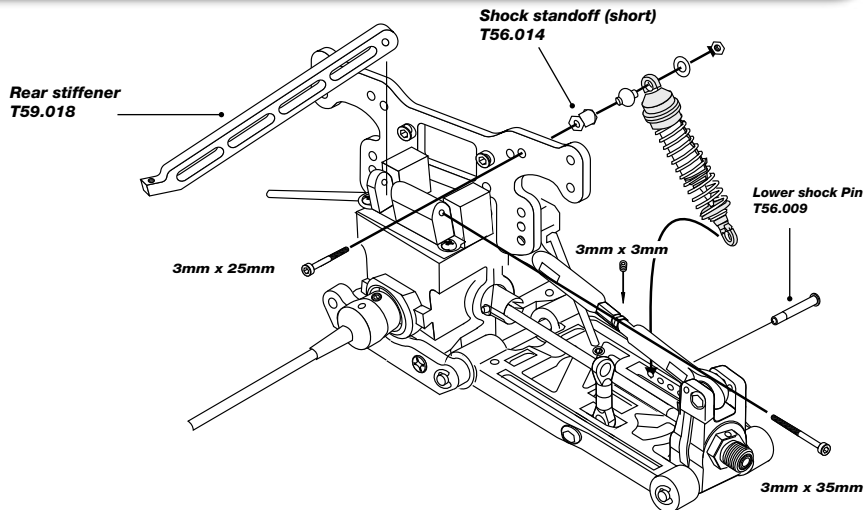
**SERVO SAVER SET  
T56.053**

**8 x 5 x 3 mm (x4)  
Bushing**  
For spare part, use the  
optional ball bearing  
T0684.202



**Mounting the differentials onto the chassis / Montage van de differentiële op het chassis  
Montage des différentiels sur le chassis / Montierung die diff auf das chassis**

	X4		X2
3MM X 3MM		3MM X 10MM	
	X4		X1
4MM X 11MM		3MM X 10MM	
	X8		X1
4MM X 15MM		3MM X 16MM	
	X4		X2
3MM X 25MM		3MM X 14MM	
	X1		
3MM X 35MM			



**Assembling the radio tray / Montage van de radioplaat /  
Montage de la platine radio / Montieren von die Fernsteuerungs Platine**

 X6

3MM X 10MM

 X9

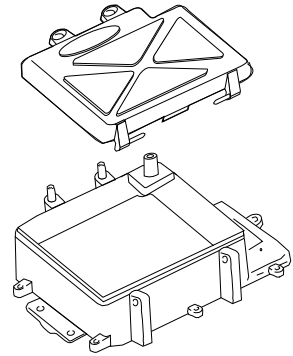
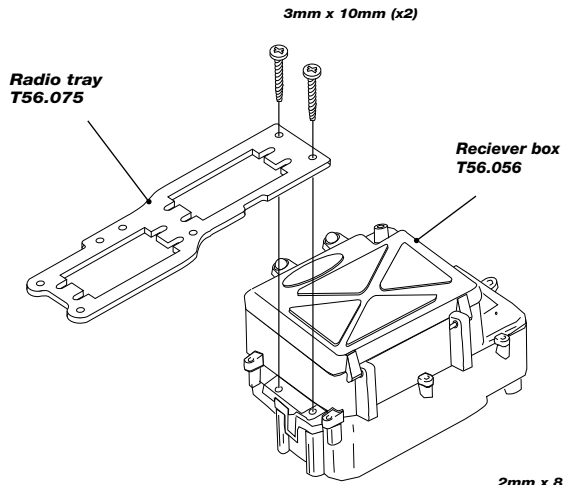
2MM X 8MM

 X5

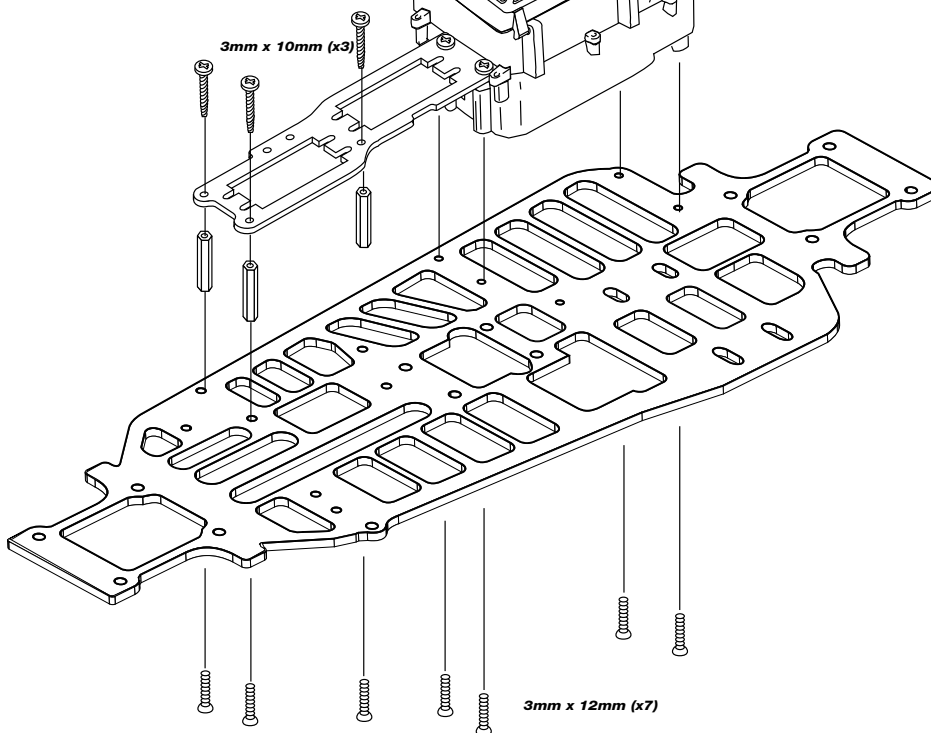
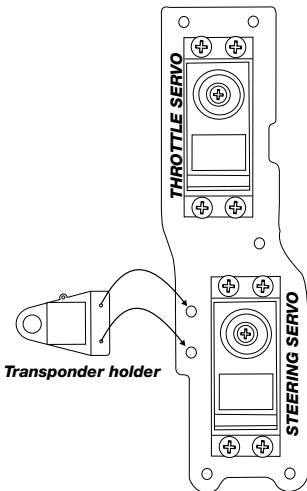
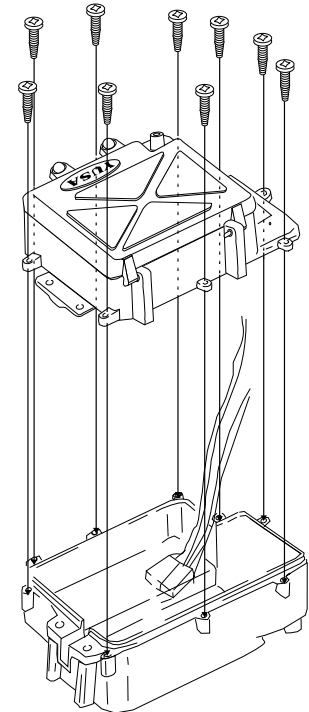
3MM X 10MM

 X7

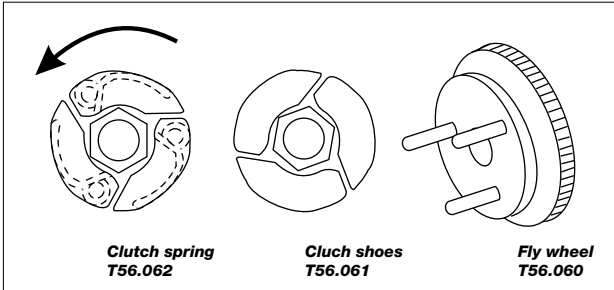
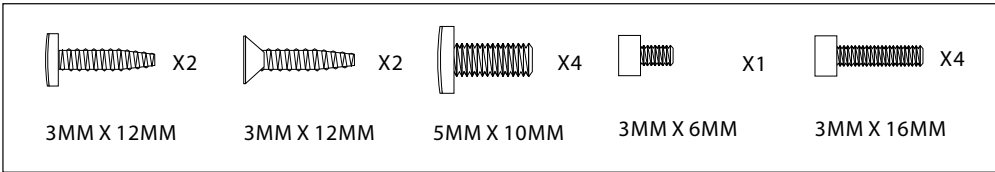
3MM X 12MM



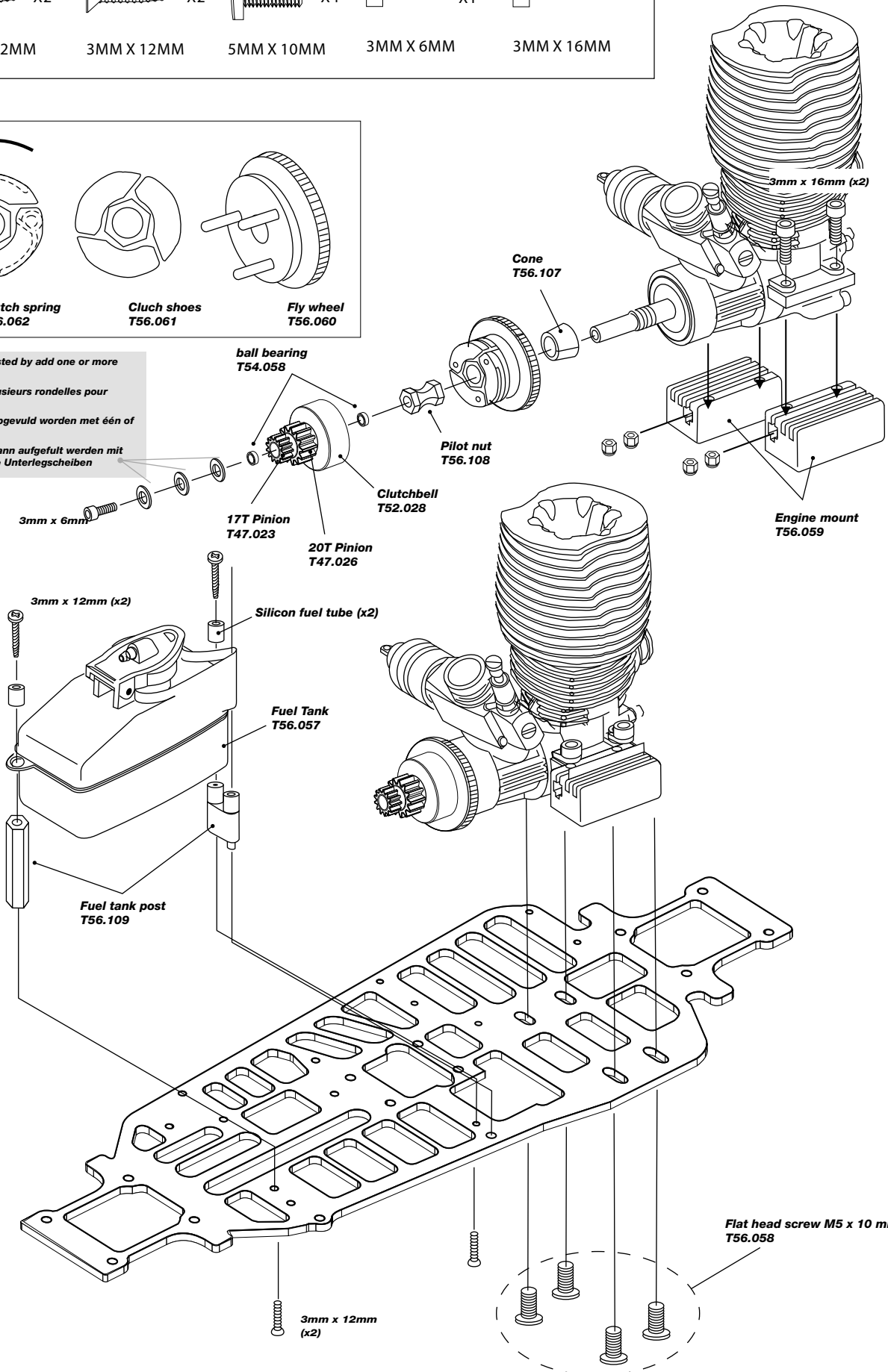
2mm x 8mm (x9)



**Buiding the clutch / Monteren van de koppeling**  
**Montage du système d'embrayage / Montierung von die Kupplungsglocket**







This gap can be adjusted by add one or more shims  
 Ajoutez une ou plusieurs rondelles pour limiter le jeu  
 Deze spatie kan opgevuld worden met één of meer rondellen  
 Die Spazierung kann aufgefüllt werden mit ein oder mehrere Unterlegscheiben



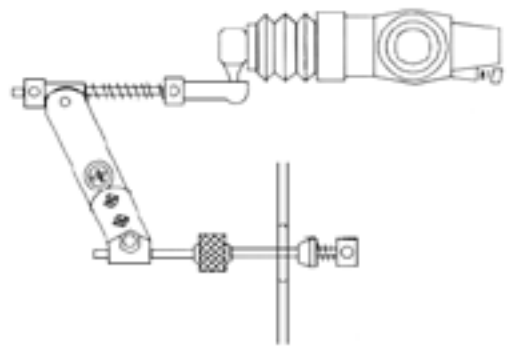


**Assembly of the throttle linkage / Montage van de carburator aansturing /  
Montage de la commande de carburateur / Montieren von die Vergaser Anlenkung**

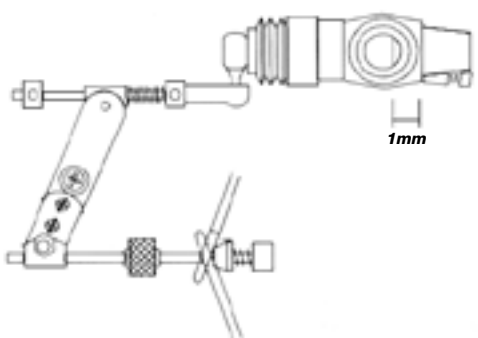
	X7		X2
3MM X 3MM		2MM X 6MM	
	X1		X1
2.5MM X 15MM		2MM X 10MM	

**Throttle Linkage Set**  
**Kit de commande gaz/frein**  
**Aansturing van gas en rem**  
**Steuerung von Gaz und Bremse**  
**T56.073**

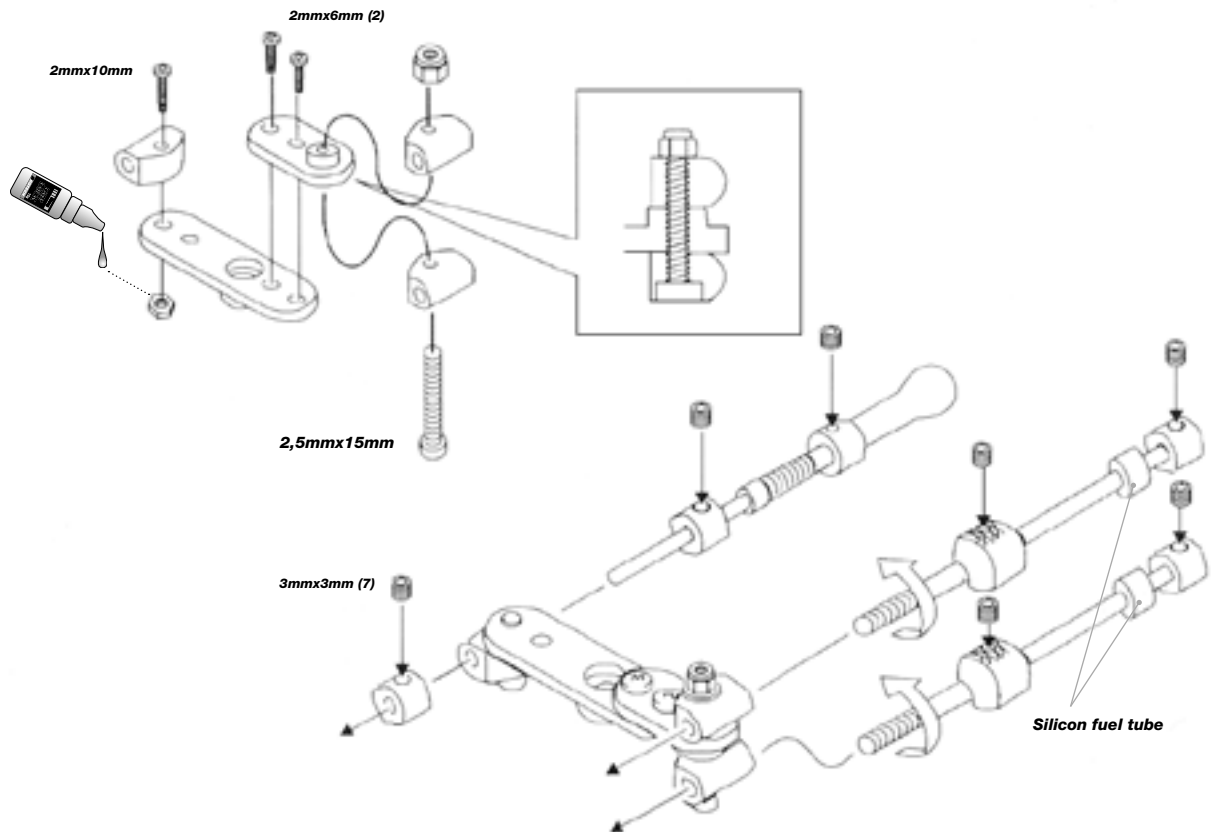
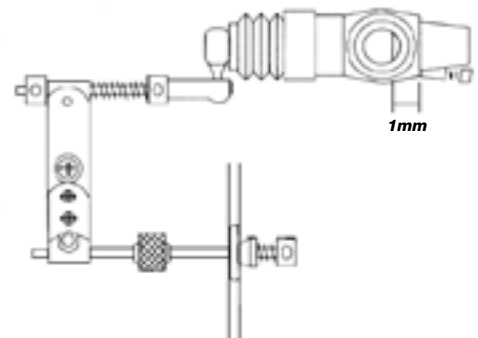
**Full throttle**  
**Plein gaz**  
**Vol gas**  
**Gaz komplet**



**Brake**  
**Freinage**  
**Rem**  
**Bremse**



**Idle/Tick over**  
**Ralenti**  
**Stationairloop**  
**Freilauf**

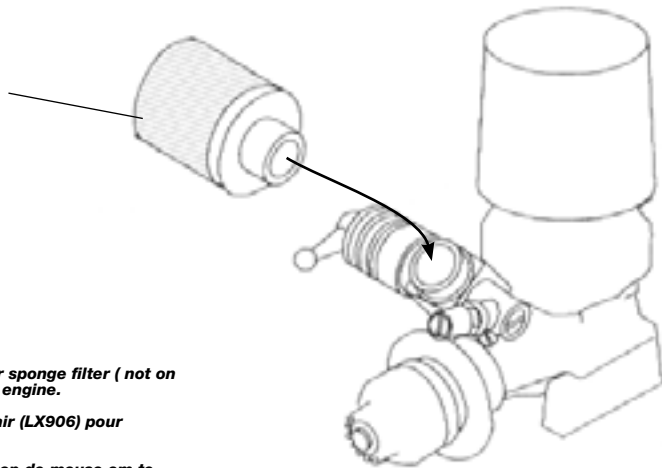


**Assembly of the air-filter / Montage van de luchtfilter  
Montage du filtre à air / Montierung des Luftfilter**



**LX 906**

**Air filter set**  
Filtre à air  
Luchtfilter set  
Luftfilter satz  
T47.011



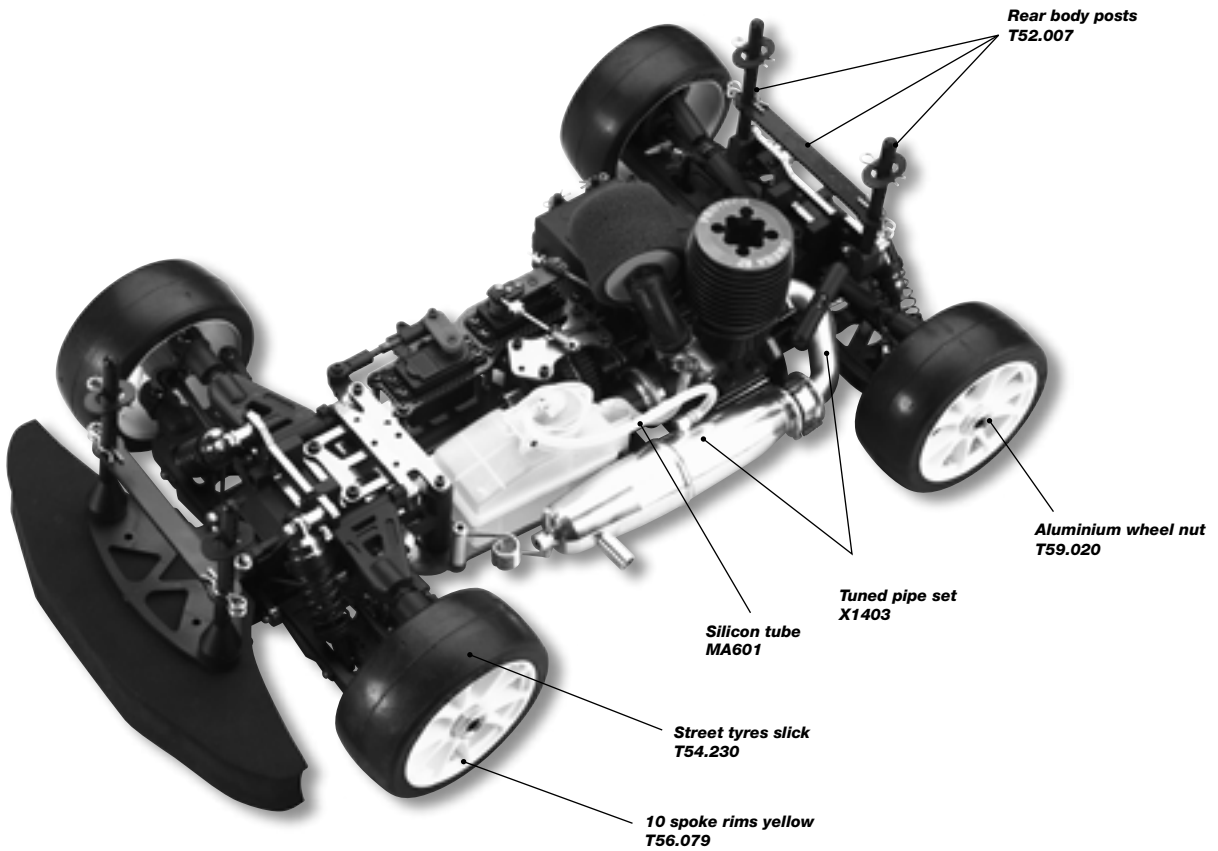
Use special air-filter oil (Use LX 906 ) on the inner sponge filter ( not on the outer filter) to stop dust from getting into the engine.

Utilisez toujours de l'huile spéciale pour filtre à air (LX906) pour empêcher la poussière d'entrer dans le moteur.

Gebruik speciale luchtfilter olie (Gebruik LX 906) op de mouse om te vermijden dat stof en vuil in de motor terecht komt.

Gebrauchen Sie Spezialen Luftfilter Öl (LX906) auf das Schaumstoff so vermeiden Sie das Schmutz und Staub im Motor eindringt.

**Tuned pipe set / Uitlaat set  
Résonateur / Rezonanz satz**



**Engine spare parts / Onderdelen  
Pièces détachées moteur /**



**M1046.029**  
Washer, 1pc



**M1040.003**  
Drive washer cone, 1pc



**M1040.014**  
Main needle, 1pc



**M1040.015**  
Pull start cover screws, 4pcs



**M1040.016**  
Main needle seat, 1pc



**M1040.025**  
Throttle stop adjuster screw, 1pc



**M1040.039**  
Spring, 1pc



**M1040.056**  
Throttle arm slide carburetor, 1pc



**M1043.005**  
Crankshaft 13mm, 1pc



**M1042.005**  
Piston pin SX-21, 1pc



**M1042.006**  
Piston pin clips, 2pcs



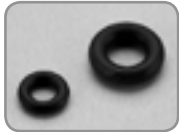
**M1042.007**  
Carburetor setting pin, set



**M1042.008**  
Rear cover O-ring, 1pc



**M1042.011**  
Main needle O-ring, 1pc



**M1042.016**  
Supply needle O-ring, set



**M1042.018**  
Pull start unit, set



**M1042.019**  
Recoil spring, 1pc



**M1042.020**  
Pull start string, 1pc



**M1042.021**  
One way bearing, 1pc



**M1042.022**  
Pull start axle, 1pc



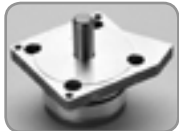
**M1042.023**  
Starting pin, 1pc



**M1042.024**  
Pressure spring, 1pc



**M1042.026**  
Pull start handle, 1pc



**M1042.027**  
Pull start crankcase cover, set



**M1042.029**  
Buffer head, 1pc



**M1042.030**  
One way bearing seat, 1pc



**M1042.032**  
Manifold rubber, 1pc



**M1042.033**  
Front ball bearing, 1pc



**M1042.036**  
Cylinder head gasket SX-21, 1pc



**M1044.022**  
Rear ball bearing 13mm, 1pc



**M1042.037**  
Carburetor O-ring, 2pcs



**M1042.038**  
Pull start cover, 1pc



**M1042.039**  
Winding plate, 2pcs



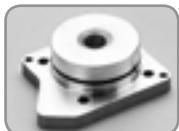
**M1042.040**  
Crankcase, 1pc



**M1042.041**  
Crankcase cover, 1pc



**M1046.025**  
Fuel supply nipple, 1pc



**M1042.042**  
Pull start crankcase cover, 1pc



**M1042.044**  
Carburetor body, 1pc



**M1042.047**  
Pull start string seat, 1pc



**M1042.048**  
One way bearing & seat, set



**M1042.049**  
Throttle drum cover, 1pc



**M1043.008**  
Conrod OMEGA, 1pc



**M1043.010**  
Cylinder & piston OMEGA 8P, set



**M1043.011**  
Burn room OMEGA, 1pc



**M1043.013**  
Supply needle valve, 1pc



**M1043.014**  
Throttle drum OMEGA, 1pc



**M1043.015**  
Throttle needle, 1pc



**M1043.019**  
Carburetor OMEGA, set



**M1043.050**  
Cylinder head PURPLE, 1pc



**M1046.013**  
Head screws, 6pcs



**M1046.024**  
Washer, 3pcs



**M1043**



**Spare parts / Onderdelen  
Pièces détachées / Sonderzubehör**



**T56.004**  
Shock piston, 4pcs



**T56.005**  
Shock washer set



**T56.007**  
7mm ball joint, 8pcs



**T56.008**  
5mm ball joint, 8pcs



**T56.009**  
Lower shock pin



**T56.011**  
Shock diaphragm



**T56.014**  
Shock standoff



**T56.015**  
Diff set FR/RE



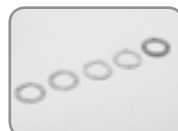
**T56.017**  
Bevel gear 13T



**T56.018**  
Bevel gear 43T



**T56.020**  
Diff maintenance kit



**T56.021**  
Diff. gasket, 4pcs



**T56.022**  
Diff O-ring, 6pcs



**T56.023**  
Gear box set



**T56.024**  
Center diff support



**T56.026**  
Front lower arms



**T56.027**  
Rear lower arms



**T56.028**  
Front upper arms set



**T56.029**  
4mm shaft set, 8pcs



**T56.030**  
Front arm ball end



**T56.031**  
Front upper turnbuckle



**T56.032**  
Rear upper turnbuckle



**T56.033**  
Rear hub, 2pcs



**T56.038**  
Front ball universal



**T56.041**  
Stabilizer bar set 2,2mm



**T56.042**  
Stabilizer bar set 2,7mm



**T56.043**  
FR/RE stabilizer mount set



**T56.056**  
Receiver box



**T56.057**  
Fuel tank, 1pc



**T56.058**  
Flat head socket



**T56.059**  
Engine mount, 2pcs



**T56.060**  
Flywheel, 1pc



**T56.061**  
Clutch shoes, 3pcs



**T56.062**  
Clutch spring, 3pcs



**T56.065**  
Air filter set



**T56.066**  
Air filter connector set



**T56.067**  
Air filter sponge set



**T56.068**  
Switch cover, 2pcs



**T56.072**  
Front steering rod



**T56.073**  
Throttle/Brake linkage set



**T56.079**  
10 spoke rims YELLOW



**T56.082**  
Cap joint diff FR/RE



**T56.084**  
Diff case FR/RE/CE



**T56.086**  
Center diff support posts



**T56.089**  
Set screw 6x30mm



**T56.090**  
Pin 3x17mm, 4pcs



**T56.093**  
Rear stiffener support



**T56.095**  
Rear upper arm balls



**T56.096**  
Rear upper arm ball link



**T56.098**  
Servo saver shaft



**T56.099**  
Spacer threaded



**T56.100**  
Servo saver plastic arms



**T56.102**  
Ball bearing 3x6mm



**T52.021**  
Shock shaft FR+RE



**T52.022**  
Shock absorber body FR/RE



**T56.105**  
Shock body caps



**T56.106**  
Ball link shock absorber



**T56.107**  
Cone for "SG" flywheel



**T56.108**  
Pilot nut "SG" type



**T56.109**  
Fuel tank post set



**T56.205**  
Alu. radio plate supports



**T54.058**  
Ball bearing 5x10x4mm



**T54.110**  
Plastic parts shock absorber set



**Spare parts / Onderdelen  
Pièces détachées / Sonderzubehör**



**T55.011**  
Plastic steering link  
7mm



**T55.028**  
Ball 7mm, 6pcs



**T59.008**  
Plastic bushing  
5x8mm, 2pcs



**T59.010**  
Aluminium wheel  
hub, 4pcs



**T56.203**  
7075 T6 alu. center  
chassis stiffener



**T59.020**  
Aluminium wheel nut,  
4pcs



**T56.075**  
Radio tray, 1pc



**T56.074**  
7075 T6 alu. upper  
arm holder, 1pc



**T56.040**  
Rear ball universal,  
2pcs



**T52.020**  
Cap joint diff CENT-  
ER, 2pcs



**T56.088**  
Brake disk 1mm,  
2pcs



**T56.035**  
7075 T6 alu. front  
lower arm holder



**T56.036**  
7075 T6 alu. rear  
lower arm holder



**T56.037 2° Toe-In**  
7075 T6 alu. rear  
lower arm holder



**T56.044**  
7075 T6 alu. front  
steering knuckles



**T56.100**  
Servo saver plastic  
arms, set



**T56.101**  
Servo saver shaft +  
spring, set



**T56.049**  
Brake cam, 2pcs



**T56.050**  
Brake lever, 2pcs



**T56.051**  
Brake pad set, 4pcs



**T56.052**  
Servo saver top plate,  
1pc



**T56.053**  
Servo saver set



**T56.076**  
Antenna tube, 2pcs



**X1403**  
Tuned pipe set for  
1/8 off-road



**T53.048**  
Ball bearings  
8x16x5mm, 2pcs



**T52.001**  
Center diff. plate,  
1pc



**T52.002**  
Front bumper sup-  
port, 2pcs



**T52.003**  
Foam bumper, 1pc



**T52.006**  
Front body posts,  
2pcs



**T52.007**  
Rear body posts,  
2pcs



**T52.008**  
Aluminium 7075 T6  
lightened chassis



**T52.013**  
Servo saver connect-  
ing plate, 1pc



**T52.014**  
Front shock absorber  
stay, 1pc



**T52.015**  
Rear shock absorber  
stay, 1pc



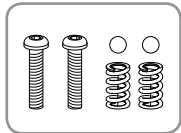
**T47.118**  
2nd spur gear holder,  
1pc



**T47.119**  
1st spur gear holder  
w/ one way bearing



**T52.026**  
2-speed clutch shoes,  
set



**T52.025**  
2-speed springs &  
barrels, set



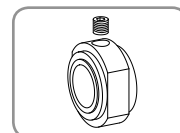
**T47.121**  
Spur gear 49T, 1pc



**T47.124**  
Spur gear 45T, 1pc



**T52.019**  
Center shaft, 1pc



**T52.027**  
2-speed shoes cam



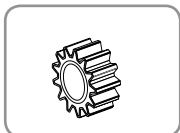
**T47-005-1**  
Flanged bearing  
8x12x3mm, 1pc



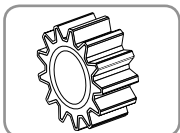
**T52.023**  
Shock Spring FR/RE,  
2pcs



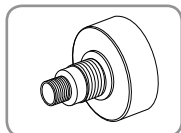
**T52.022**  
Shock absorber, set



**T47.023**  
7075 17T Pinion



**T47.026**  
7075 20T Pinion



**T52.028**  
Clutchbell



**T52.099**  
Body



**T52.100**  
Decals



**T54.230**  
Street tyre slick,  
2pcs



**Option parts / Opties**  
**Pièces d'option / Optionen**



**T56.039**  
Center ball universal, 2pcs



**T56.087**  
Brake disk 2mm



**T56.207**  
Laser cut steel disk brake, 1 pc



**T56.085**  
Ball bearing flanged 5x8mm



**T0684.202**  
Servo saver ball bearing, 2pcs



**T56.200 3° Toe-In**  
7075 T6 alu. rear lower arm holder, 1 pc



**T56.209**  
Carbon fiber radio plate with lay-down servo support



**T56.211**  
Carbon fiber servo saver top plate, 1 pc



**T56.212**  
CNC-mach. ultra stiff front lower susp. arm, 2 pcs



**T56.213**  
CNC-mach. ultra stiff rear lower susp. arm, 2 pcs



**T56.214**  
CNC-mach. ultra stiff front upper susp. arm, 2 pcs



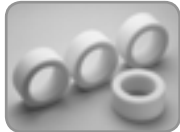
**E0661**  
Flat shaped foam inserts 1/8 on-road tyre - SOFT



**E0662**  
Flat shaped foam inserts 1/8 on-road tyre - HARD



**E0670**  
Tyre doughnut 1/8 SOFT, 4pcs



**E0671**  
Tyre doughnut 1/8 HARD, 4pcs



**T56.078**  
10 spoke rims WHITE, 4pcs



**T56.080**  
10 spoke rims GREEN, 4pcs



**T56.081**  
10 spoke rims BLUE, 4pcs



**T54.084**  
Rim 5-star YELLOW 2pcs



**T54.222**  
Rim 5-star RED 2pcs



**T54.223**  
Rim 5-star GREEN 2pcs



**T54.232**  
Rim 5-star WHITE 2pcs



**T54.233**  
Rim 5-star CHROME 2pcs



**T54.281**  
BBS Rim - RED, 2pcs



**T54.282**  
BBS Rim - RED, 2pcs



**T54.283**  
BBS Rim - RED, 2pcs



**T54.284**  
BBS Rim - RED, 2pcs



**T54.285**  
BBS Rim - RED, 2pcs



**T54.291**  
Rim 6-star RED 2pcs



**T54.292**  
Rim 6-star WHITE 2pcs



**T54.293**  
Rim 6-star GREEN 2pcs



**T54.294**  
Rim 6-star YELLOW 2pcs



**T54.295**  
Rim 6-star CHROME 2pcs



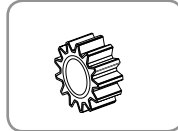
**T54.231**  
Street tyre radial, 2pcs



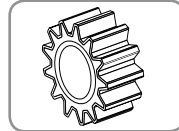
**T54.235**  
Street tyre radial belted, 2pcs



**T54.234**  
Street tyre slick belted, 2pcs



**T47.022**  
7075 16T Pinion



**T47.025**  
7075 19T Pinion



**T47.120**  
Spur gear 50T, 1pc



**T47.122**  
Spur gear 48T, 1pc



**T47.123**  
Spur gear 44T, 1pc



**T47.125**  
Spur gear 46T, 1pc

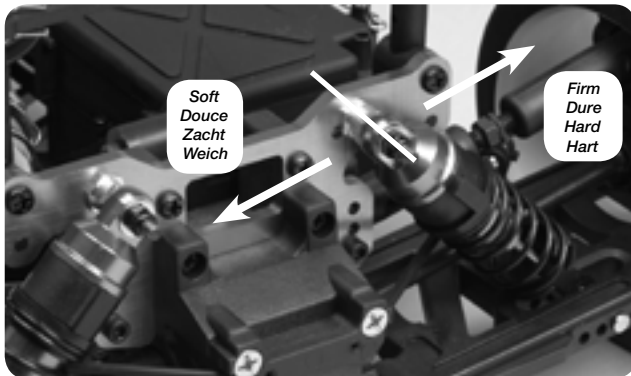


## Setting Guide / Afstelling / Conseils de réglage / Fahrwerkseinstellungen

Place the model on flat surface. Raise the chassis to it's maximum clearance before the wheels leave the ground.  
Adjust the length of the front and rear upper arms so that the wheels are right angle to the ground.  
The camber angle adjustment can be changed by turning the turnbuckle on the upper arms, clockwise or anti-clockwise.  
(We suggest use 0 degree for the front and 1 negative degree for the rear)

Plaats het model op een platte ondergrond. Hef het chassis omhoog zodat de wielen nog juist op de ondergrond blijven staan.  
Regel de lengte van de voorste- en achterste ophangingsarmen zodat het wiel loodrecht op de ondergrond komen te staan.  
De instelhoek kan aangepast worden door aan de stang in wijzerszin of tegenwijzerszin te draaien. (Wij raden 0° voor de voorzijde en -1° voor de achterzijde aan.)

Placez le véhicule sur une surface plane. Montez le chassis à son maximum sans que les roues ne décollent du sol.  
Ajustez la longueur des bras supérieurs AV et AR pour obtenir un angle droit entre les roues et le sol.  
Tournez le "Turnbuckle" pour changer l'angle de cabrage.  
(Nous suggérons 0 degré pour l'avant et -1 degré pour l'arrière)



**Firm FRONT suspension = less steering.**  
Voorste ophanging hard = minder bestuurbaar.  
Suspension avant dure = moins d'adhérence du train avant.  
Vordere Aufhängung hart = geringere Steuerung.

**Soft FRONT suspension = more steering.**  
Voorste ophanging zacht = beter bestuurbaar.  
Suspension avant douce = plus d'adhérence du train avant.  
Vordere Aufhängung hart = bessere Steuerung.

**Firm REAR suspension = over steering.**  
Achterste ophanging hard = minder bestuurbaar.  
Suspension arrière dure = moins d'adhérence du train avant.  
Hintere Aufhängung hart = geringere Steuerung.

**Soft REAR suspension = under steering.**  
Achterste ophanging zacht = beter bestuurbaar.  
Suspension arrière douce = plus d'adhérence du train avant.  
Hintere Aufhängung hart = bessere Steuerung.

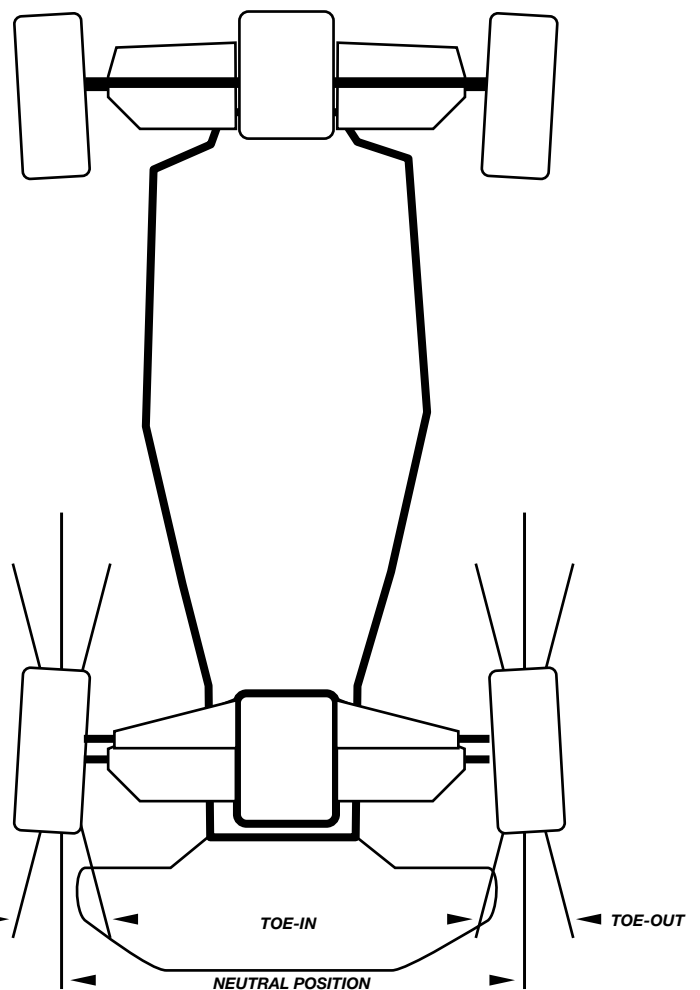
Adjust the length of the front steering rod to change the toe-angle.  
Om de toe-spoor van de wielen aan te passen moet je de lengte van de stuurstang veranderen.  
Ajustez la longueur des barres de directions pour changer l'angle de pinçage.

**Making the tie rod longer will make the front tires become toe-in.**  
Response will be slower and will oversteer.  
Door de lengte van de stuuras te vergroten krijgen de wielen toe-spoor in.  
De reactie van sturen aan de voorzijde is langzamer en de auto raakt overstuur (glijden van de voorzijde van de auto).  
Allonger les barres de directions donnera un angle de pinçage intérieur.  
La réponse du train avant sera plus lente et amènera un effet de sous-virage (glissement du train avant).

**Making the tie rod shorter will make the front tires become toe-out.**  
Response will be quicker and will understeer.  
Door de lengte van de stuurstang te verkorten krijgen de wielen een toe-spoor uit.  
De reactiesnelheid van de sturing is hoger maar de auto zal aan de achterzijde wegglijden.  
Raccourcir les barres de directions donnera un angle de pinçage extérieur.  
La réponse du train avant sera plus rapide mais amènera un effet de sur-virage (glissement du train arrière).



Steering rod



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**www.protech.be**

