Mounting instruction for 4WD Off-Road Buggy Leopard 4 Competition, Item N°. 67000

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E.67000_e_011210

We congratulate you on buying this FG Competition model. Please check the contents of the construction set, respectively of the bags. The individual bags have been thoroughly packed by us and their weight and content has been checked. When purchasing the individual bags, please check their weight and their closure by staples which must not have been removed or opened and closed several times. It is possible that the weight of an individual bag deviates by 5 grams. In case of claims due to missing parts, you always need to present the label indicating the weight at your specialized dealer. By checking the weight of the bag, you may exclude that larger parts or several parts are missing.

Weight of the individual bags/ boxes:

Item N°. 67000

Bag A	=	0,158 kg
Bag B	=	1,265 kg
Bag C	=	0,791 kg
Bag D	=	0,685 kg
Bag E	=	0,743 kg
Bag F	=	0,887 kg
Bag G	=	0,210 kg
Bag H	=	0,442 kg
Bag I	=	0,388 kg
Bag J	=	0,078 kg
Bag K	=	0,332 kg
Bag L	=	0,362 kg
Bag M	=	0,303 kg
Bag N	=	0,029 kg
Bag O	=	0,390 - 0,400 kg
Bag Q	=	0,382 kg

The RCS, accumulators and battery charger are not included in the delivery volume.

Please thoroughly keep this construction manual for spare parts orders!

The handling with fuels requires circumspective and careful handling. Imperatively observe the security advices.

- Refuel only if the engine is switched off!
- Take off the body.
- Thoroughly clean the area around the fuels nipple.
- Remove the fuel filler cap and carefully fill in the fuel mixture.
- Smoking or any kind of open fire is not admitted.
- Fuels might contain solvent-like substances. Avoid contact with skin and eyes. Wear gloves for refueling. Do not inhale fuel vapors.
- Do not spill any fuel. If you have spilled fuel immediately clean the engine and the model.
- Make sure that no fuel will get into the soils (environmental protection). Use an appropriate mat.
- Do not refuel in enclosed rooms. Fuel vapors accumulate at the soil (risk of explosion).
- Transport and store fuels only in admitted and labeled canisters. Keep fuel out of the range of children.
- The operator is responsible for any damages caused to third persons in the operating range of the model, respectively of the engine, if they are injured or in case of property damage.
- The model must only be passed on to persons who are familiar with this model and its operation, always provide the operating manual.
- Persons with implanted heart pacemakers must not work on running engines and on live parts of the ignition system when the engine is being started.
- The engine must neither be started nor operated in enclosed rooms (without sufficient ventilation).
- When starting the engine, avoid inhaling the exhausts.
- The model must neither be started nor operated without air filter or without exhaust system.
- Before every start perform a functional check of the safety-relevant parts.
- The throttle rods must always return automatically to the idle position.
- Any cleaning, maintenance and repair works must only be performed with the engine being switched off. The engine and silencers are getting very hot. In particular do not touch the silencer.

Comments regarding the construction manual:

Before starting the assembly please see through this construction manual. This way you will get an overview of the whole execution.

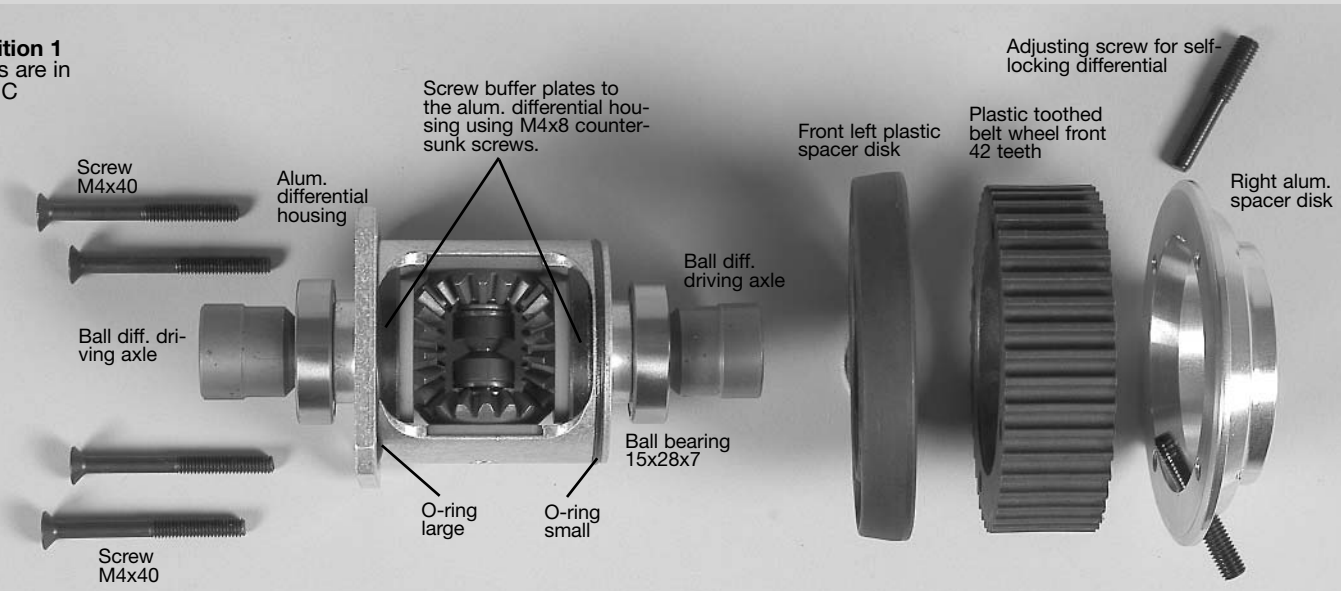
Please check by means of the parts or bag list if the construction kit is complete and also check the weight of the individual bags for the positions. Only this way you may be sure that all parts which you need for the assembly are available. If a part is missing, please immediately contact your specialized dealer.

Table of contents

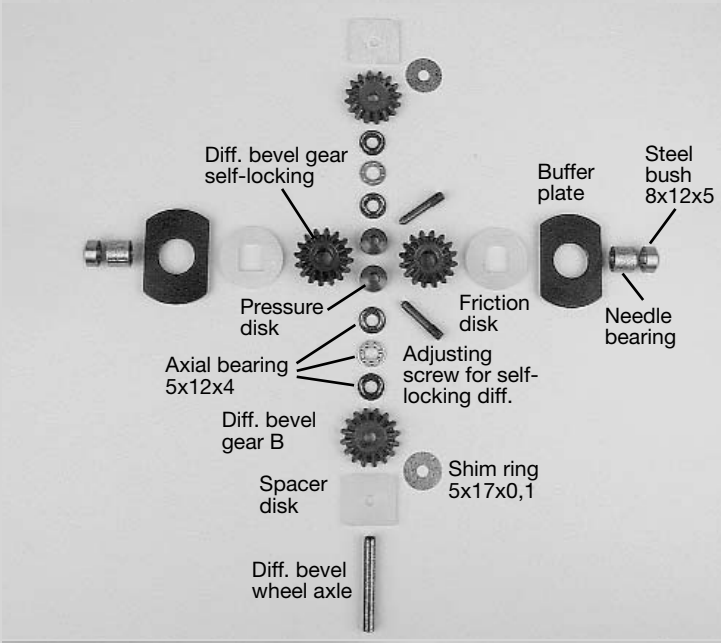
Warranty conditions for engines:

FG Modellsport assumes no liability for defects if the engine has been modified by installation of parts of foreign origin or if engine parts for tuning purposes were worked on or were modified and the damage stands in causal interrelationship with the modification. Further the liability for defects of power-increased engines is excluded. In this case also the compensation liability is excluded.

Position 1
Parts are in bag C



Alum. differential gear 4-fold self-locking

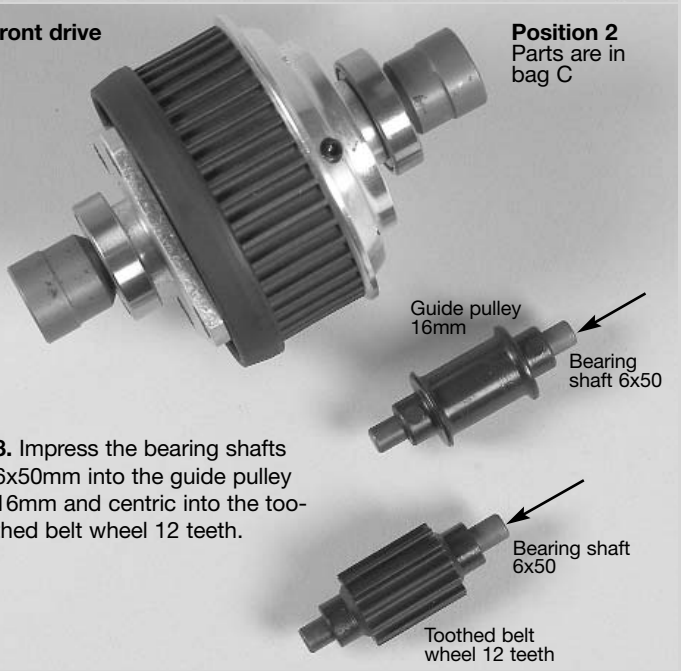


Inserting of the diff. bevel gear wheels or of the complete package becomes much easier if you use the FG mounting tool Item N°. 08505.

1. Insert diff. bevel gears B and self-locking bevel gears together with friction disks and buffer plates in the alum. differential housing as shown in position 1. Now lubricate both ball diff. driving axles and diff. bevel wheel axle slightly with some grease and impress them into the alum. differential housing. The borings of the differential housing must be in true alignment with the borings of the diff. bevel gears. If you notice a misalignment of the borings, take the complete package out of the differential housing and replace the diff. bevel gears one tooth offset. Then mount the complete package back into the diff. housing.
2. Press out the diff. bevel wheel axle slightly and push a spacer disk between diff. bevel gear B and alum. diff. housing. Mount the second spacer disk in the same way.
3. Press out the diff. bevel wheel axle approx. to the half. Now mount 1x axial bearing, then both pressure disks with cone against each other to the centre and finally the second axial bearing. Impress the diff. bevel wheel axle completely back into the alum. diff. housing. Turn the ball diff. driving axles and check the differential gear on smooth running. Too much tooth clearance can be balanced with the enclosed shim rings 5x17x0,1, fix them between alum. diff. housing and spacer disks.
4. Mount the spacer disks to the alum. diff. housing using M4x8 countersunk screws, use screw retention lacquer.
5. Apply some multi-purpose grease (f.e. Item N°. 06501) on the differential bevel gears and insert the o-ring small and large in the provided groove of the alum. differential housing.
6. Press the front left plastic spacer disk, the front plastic toothed belt wheel 42 teeth and right alum. spacer disk on the alum. diff. housing as described in position 1. Fix the complete unit with the M4x40 countersunk screws, use high-strength screw retention lacquer.
7. Screw the adjusting screws for the self-locking differential equally into the right alum. spacer disk until they touch the pressure disks, use medium screw retention lacquer.

Front drive

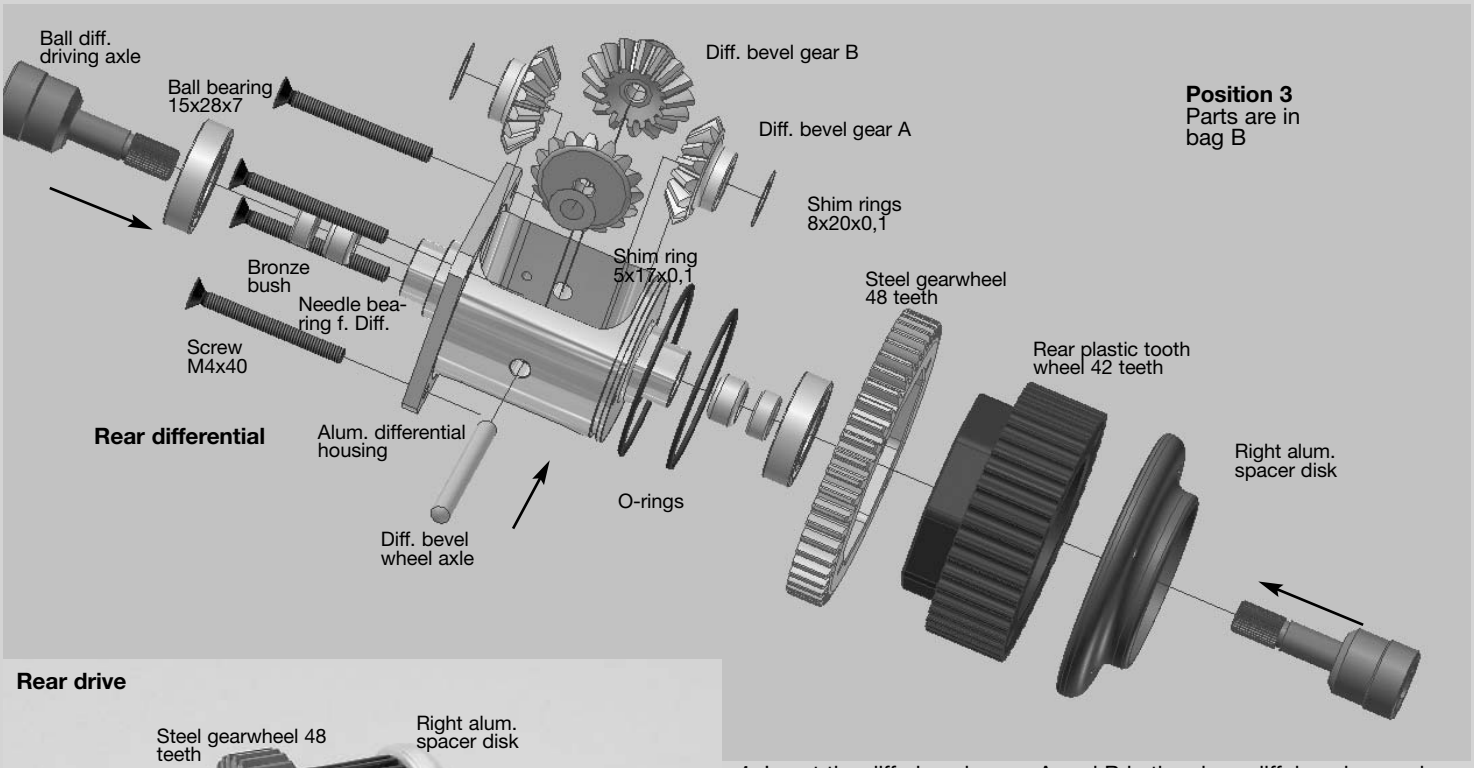
Position 2
Parts are in bag C



8. Impress the bearing shafts 6x50mm into the guide pulley 16mm and centric into the toothed belt wheel 12 teeth.

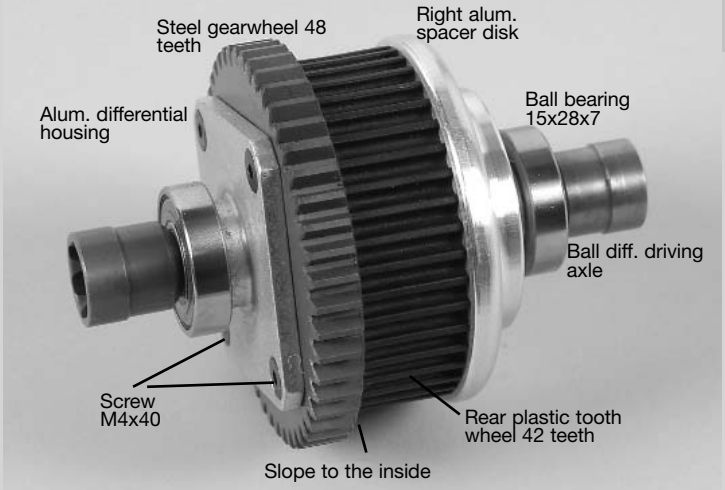
Hint: The barrier effect of a self-locking differential gear is caused by the torque which is generated when the bevel gears press on the friction disk respectively the spacer disk and are slowed down by the higher friction. This differential gear can be additionally locked mechanically through the adjusting screws in the right alum. spacer disk, therefore screw them in in clockwise direction. To lock this differential mechanically, turn in both adjusting screws symmetrically in clockwise direction. You achieve a lower barrier effect if you unscrew them anticlockwise.

All metric screws need to be secured with thread lock fluid.



Position 3
Parts are in bag B

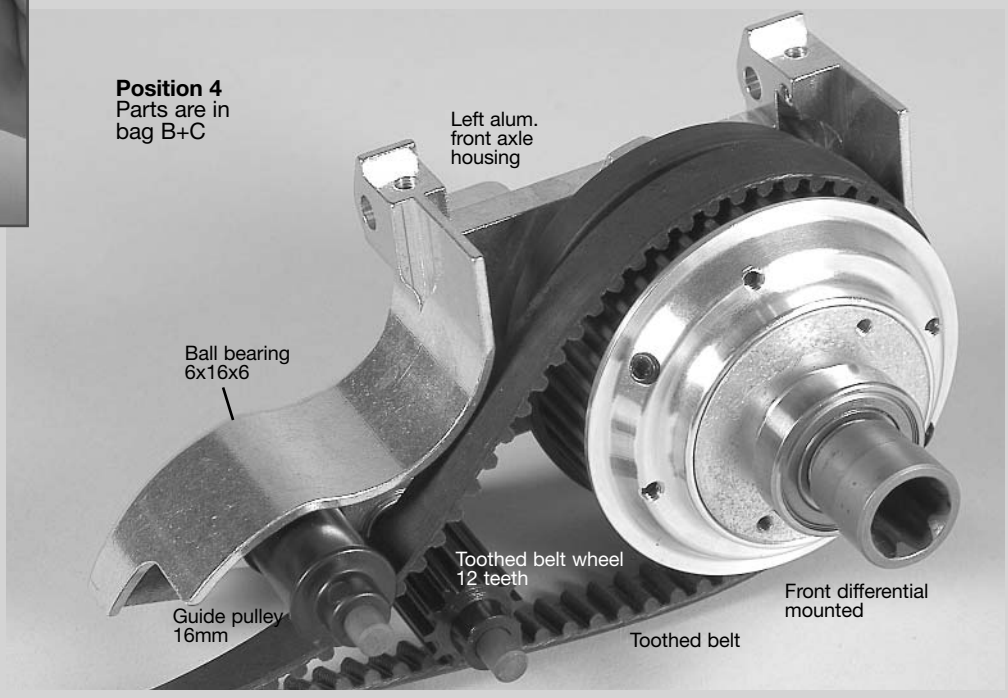
Rear drive



1. Insert the diff. bevel gears A and B in the alum. diff. housing as described in position 3.
2. Lubricate the ball diff. driving axles slightly with some grease and push it in the diff. housing.
3. Mount the diff. bevel gear axle. If the bevel gear axle respectively the driving axles can only be pushed in severely or if it cannot be pushed in at any position, you have to dismantle the bevel gearwheels again. Then insert them again.
4. If the gearwheels have too much clearance, correct it using the enclosed shim rings. Please make sure that the gearwheel clearance had not been set too close.
5. Lubricate the diff. bevel gears slightly with multipurpose grease, e.g. Item N°. 06501.
6. Press the parts on the alum. diff. housing as described in position 3 and in the given sequence: O-ring large, O-ring small, steel gearwheel 48 teeth, rear plastic gear disk 42 teeth, right alum. spacer disk. Fasten the complete unit using the M4x40 countersunk screws (use the screw retention high-strength).

Inserting of the diff. bevel gear wheels or of the complete package becomes much easier if you use the FG mounting tool Item N°. 08505.

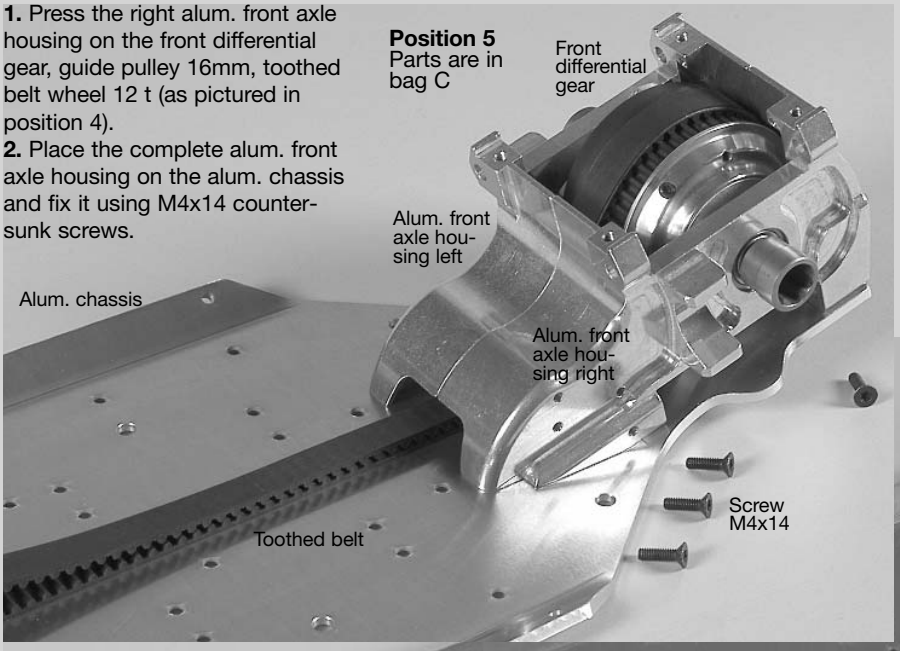
Position 4
Parts are in bag B+C



1. Press the front differential gear, 16mm guide pulley, toothed belt wheel 12 teeth into the left alum. front axle housing as described in position 4.
2. Now place the toothed belt as illustrated on the front differential gear, 16mm guide pulley, toothed belt wheel 12 teeth as shown in position 4.

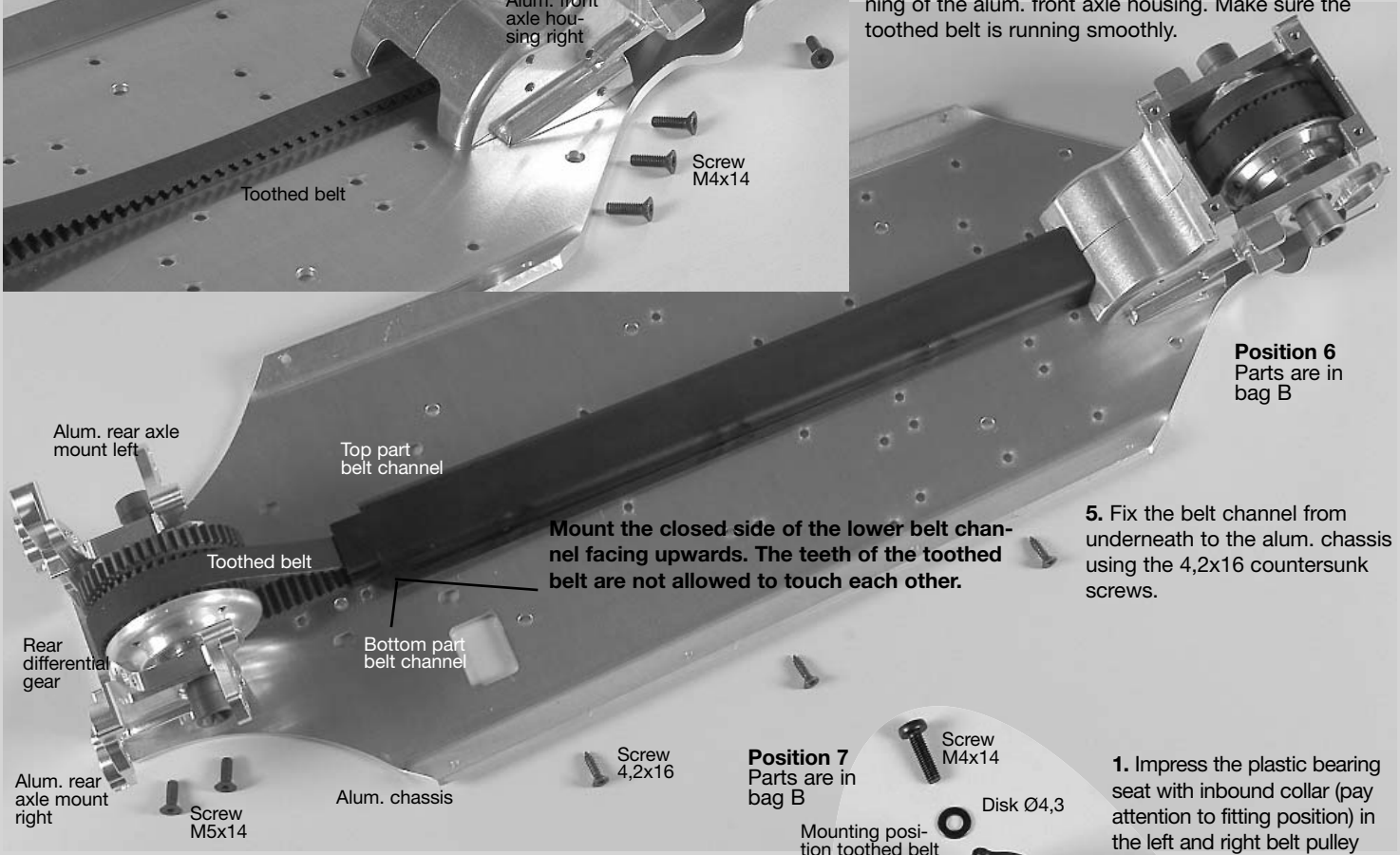
1. Press the right alum. front axle housing on the front differential gear, guide pulley 16mm, toothed belt wheel 12 t (as pictured in position 4).
2. Place the complete alum. front axle housing on the alum. chassis and fix it using M4x14 countersunk screws.

Position 5
Parts are in bag C



1. Place the toothed belt on the rear differential gear as pictured in position 6.
2. Press the left and right alum. rear axle mounts on the ball bearing of the rear differential gear as shown in position 6.
3. Place the left and right alum. rear axle mounts on the alum. chassis and fix them using M5x14 countersunk screws.
4. Lay the bottom part of the belt channel on the bottom part of the toothed belt as described in position 6. Now press the top part into the bottom part of the belt channel. Push the complete belt channel into the opening of the alum. front axle housing. Make sure the toothed belt is running smoothly.

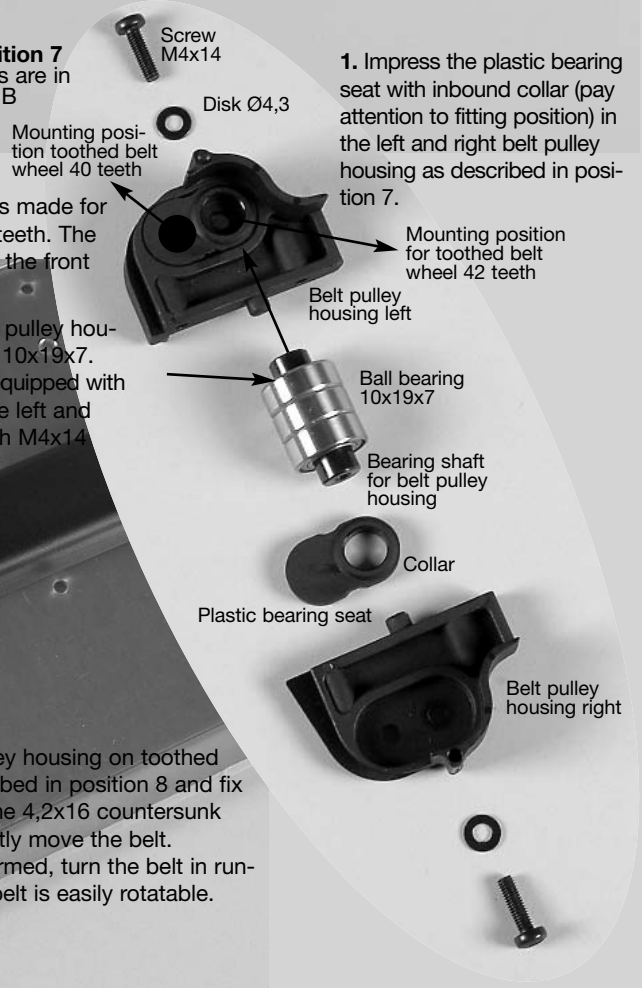
Position 6
Parts are in bag B



Mount the closed side of the lower belt channel facing upwards. The teeth of the toothed belt are not allowed to touch each other.

5. Fix the belt channel from underneath to the alum. chassis using the 4,2x16 countersunk screws.

Position 7
Parts are in bag B



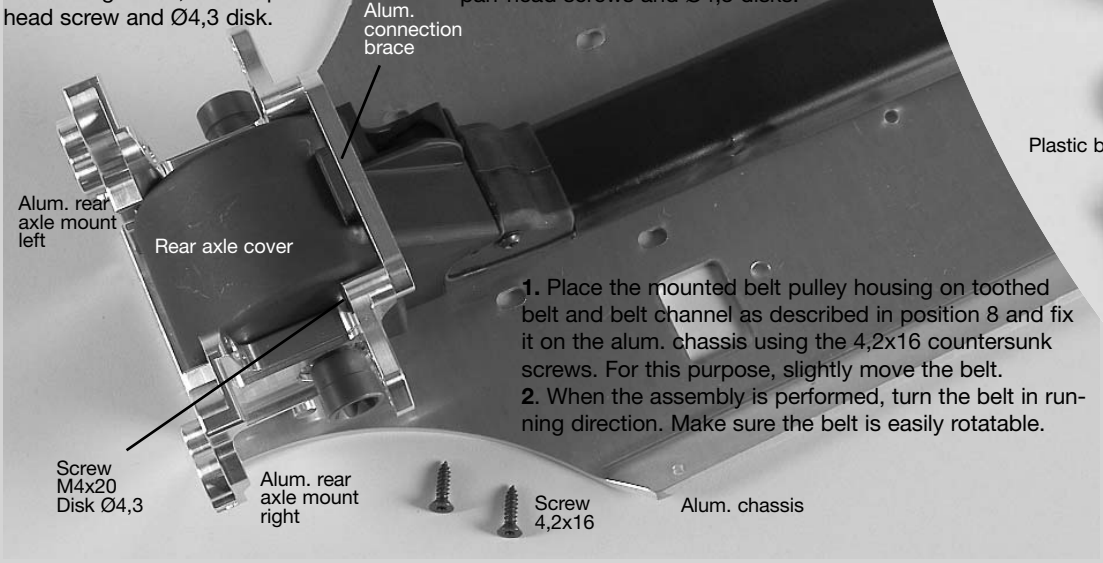
1. Impress the plastic bearing seat with inbound collar (pay attention to fitting position) in the left and right belt pulley housing as described in position 7.

Hint: The position of the front bearing seat is made for the front plastic toothed belt wheel with 42 teeth. The position of the rear bearing seat is made for the front plastic toothed belt wheel with 40 teeth.

2. Push the bearing shaft for the belt pulley housing centrically in the 3 ball bearings 10x19x7.
3. Impress the bearing shaft which is equipped with ball bearings in the bearing seat of the left and right belt pulley housing and fix it with M4x14 pan-head screws and Ø4,3 disks.

Position 8
Parts are in bag B

3. Press the rear axle cover between the alum. rear axle mounts and fix it with alum. connecting brace, M4x20 pan-head screw and Ø4,3 disk.



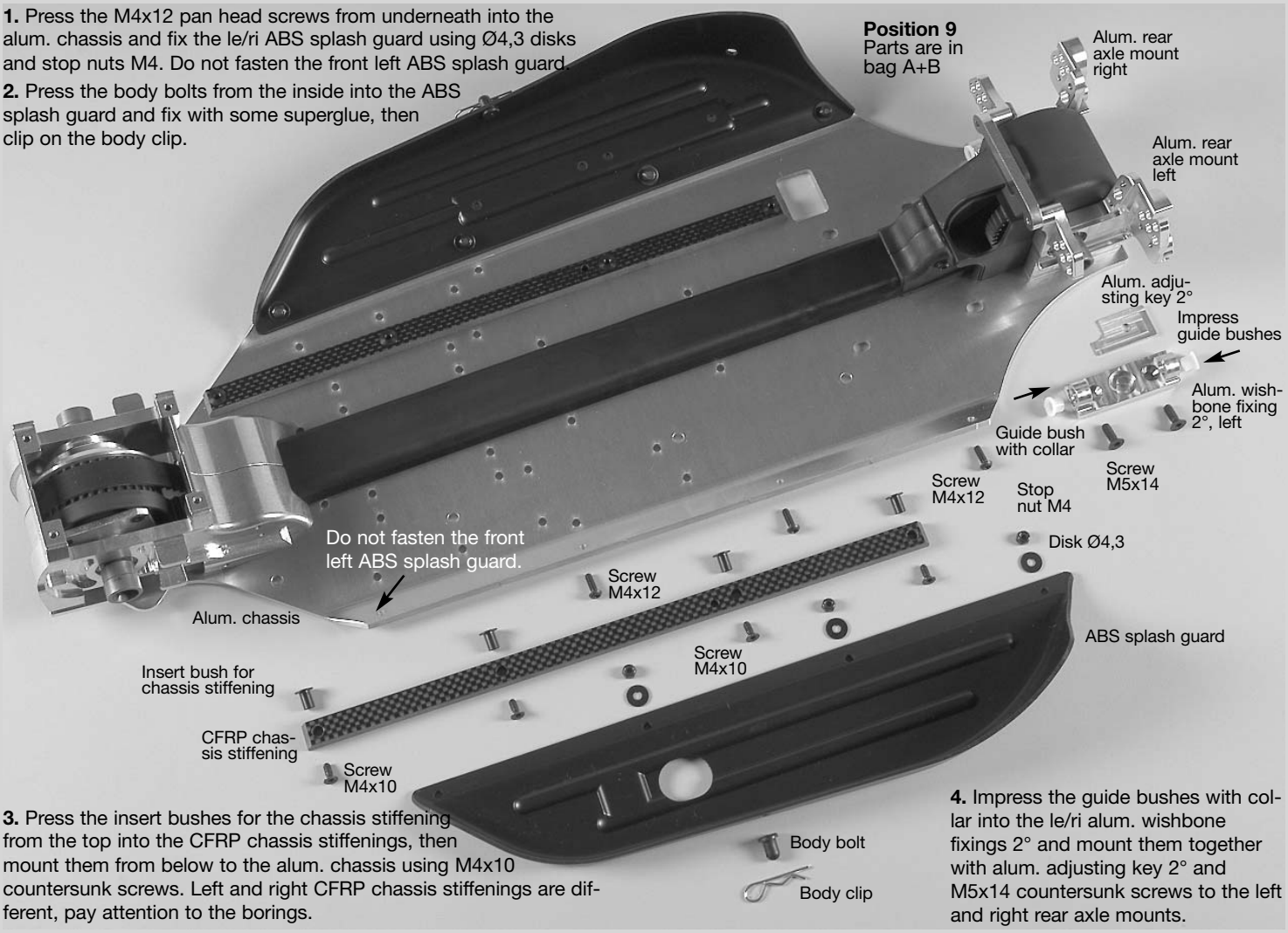
1. Place the mounted belt pulley housing on toothed belt and belt channel as described in position 8 and fix it on the alum. chassis using the 4,2x16 countersunk screws. For this purpose, slightly move the belt.
2. When the assembly is performed, turn the belt in running direction. Make sure the belt is easily rotatable.

All metric screws need to be secured with thread lock fluid.

1. Press the M4x12 pan head screws from underneath into the alum. chassis and fix the le/ri ABS splash guard using Ø4,3 disks and stop nuts M4. Do not fasten the front left ABS splash guard.

2. Press the body bolts from the inside into the ABS splash guard and fix with some superglue, then clip on the body clip.

Position 9
Parts are in bag A+B



3. Press the insert bushes for the chassis stiffening from the top into the CFRP chassis stiffenings, then mount them from below to the alum. chassis using M4x10 countersunk screws. Left and right CFRP chassis stiffenings are different, pay attention to the borings.

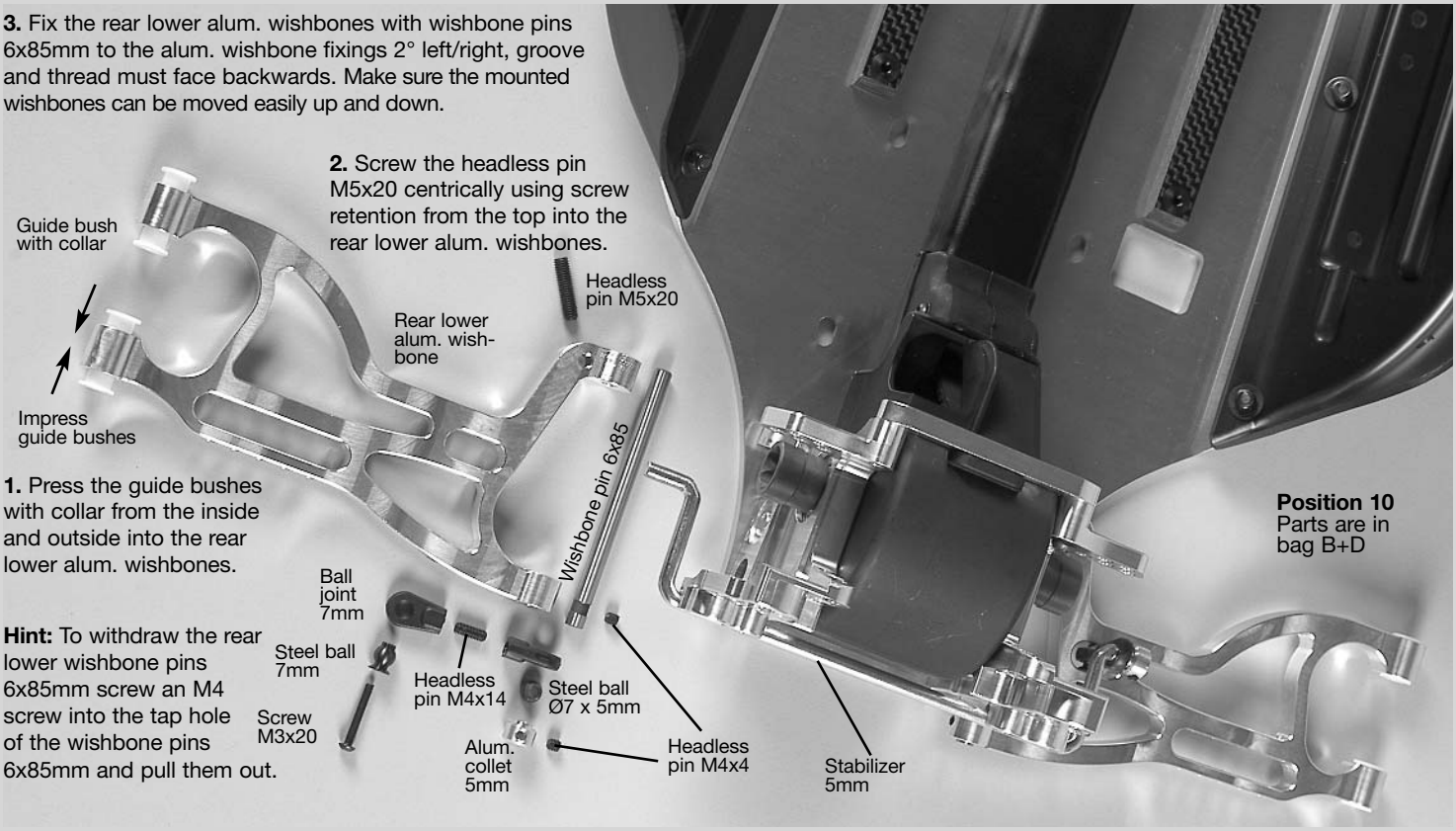
4. Impress the guide bushes with collar into the le/ri alum. wishbone fixings 2° and mount them together with alum. adjusting key 2° and M5x14 countersunk screws to the left and right rear axle mounts.

All metric screws need to be secured with thread lock fluid.

3. Fix the rear lower alum. wishbones with wishbone pins 6x85mm to the alum. wishbone fixings 2° left/right, groove and thread must face backwards. Make sure the mounted wishbones can be moved easily up and down.

2. Screw the headless pin M5x20 centrically using screw retention from the top into the rear lower alum. wishbones.

Position 10
Parts are in bag B+D



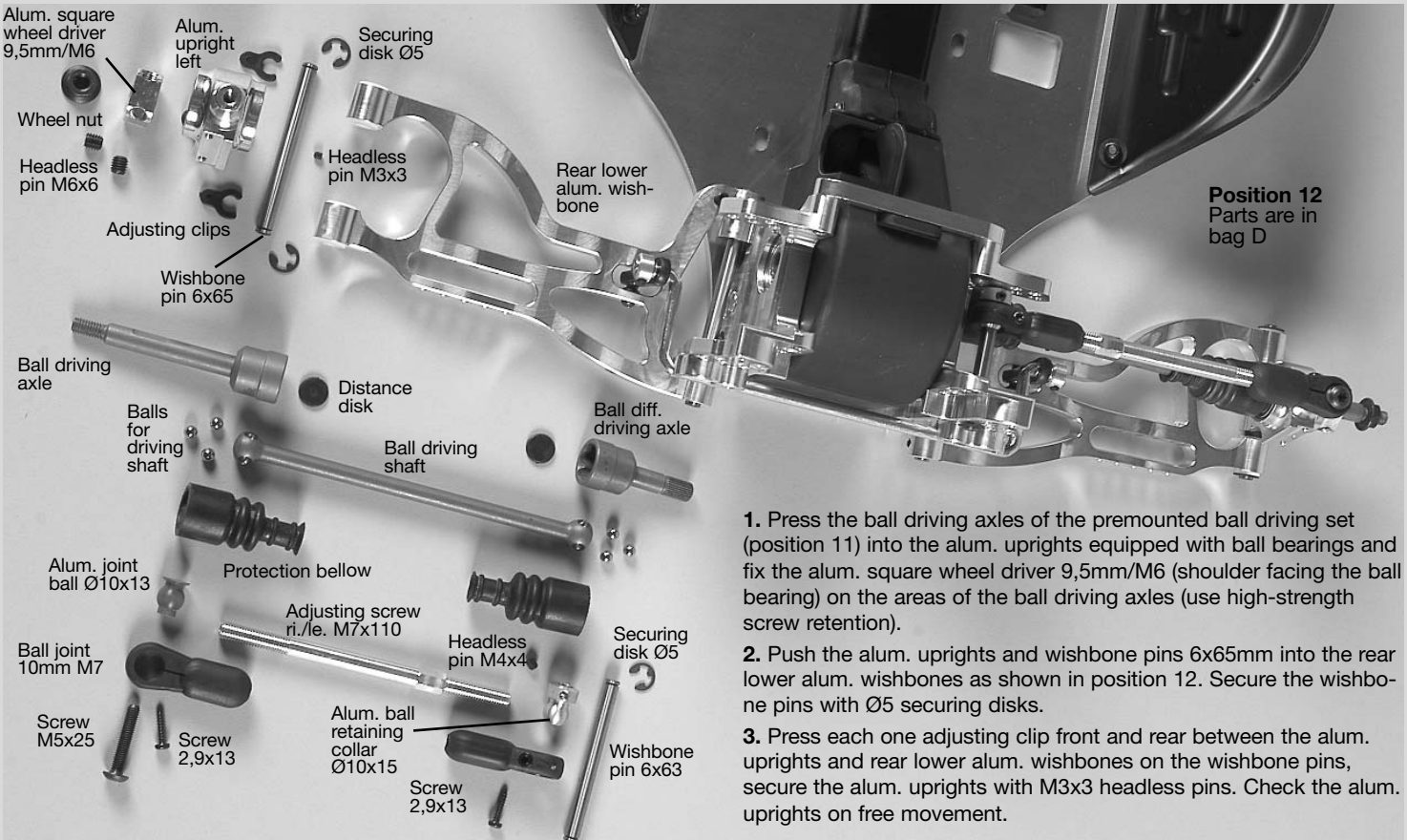
1. Press the guide bushes with collar from the inside and outside into the rear lower alum. wishbones.

Hint: To withdraw the rear lower wishbone pins 6x85mm screw an M4 screw into the tap hole of the wishbone pins 6x85mm and pull them out.

4. Screw the 7mm ball joints on the M4x14 headless pins until they are in contact and until they are 90° twisted. Impress a steel ball 7mm and steel ball Ø7x5mm each one side of the ball joints 7mm.

5. Press the ball joints 7mm with the side of the steel ball Ø7x5mm on each side of the 5mm stabilizer and fix them using the 5mm alum. retaining collar (collar facing the ball joint) and the headless pin M4x4.

6. Mount the ball joints 7mm with the side of the steel ball 7mm to the rear lower alum. wishbones (with the collar of the steel ball facing bakkwards) using M3x20 pan head screws. Impress the 5mm stabilizer into the alum. rear axle mounts.



Position 12
Parts are in bag D

1. Press the ball driving axles of the premounted ball driving set (position 11) into the alum. uprights equipped with ball bearings and fix the alum. square wheel driver 9,5mm/M6 (shoulder facing the ball bearing) on the areas of the ball driving axles (use high-strength screw retention).

2. Push the alum. uprights and wishbone pins 6x65mm into the rear lower alum. wishbones as shown in position 12. Secure the wishbone pins with Ø5 securing disks.

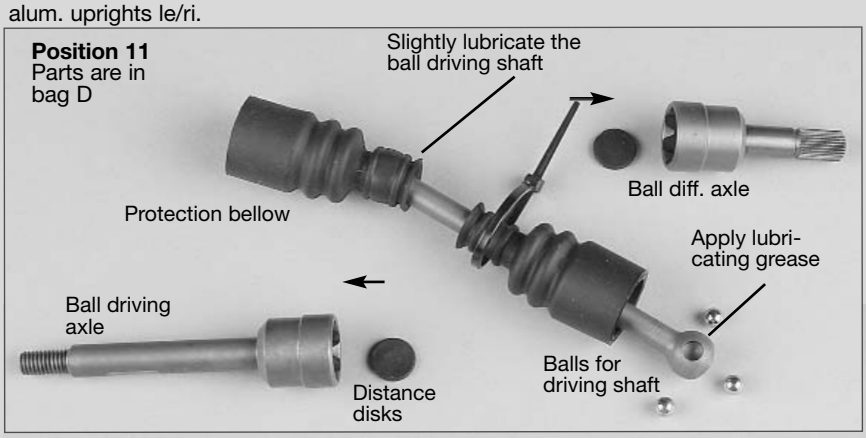
3. Press each one adjusting clip front and rear between the alum. uprights and rear lower alum. wishbones on the wishbone pins, secure the alum. uprights with M3x3 headless pins. Check the alum. uprights on free movement.

4. Screw the ball joints 10mm M7 on the adjusting screws ri/le M7x110mm, impress alum. joint ball Ø10x13 and alum. ball retaining collar Ø10x15 each one side of the ball joint 10mm M7, then screw the 2,9x13 pan head screws into the ball joints 10mm M7 and adjust the ball clearance (position 12).

5. Mount the wishbone pins 6x63mm (with the side of the alum. ball retaining collar Ø10x15, collar in driving direction) through the premounted upper wishbones, now mount the alum. rear axle mounts ri/le into the lower inside boring and secure them using Ø5 securing disks and M4x4 headless pin.

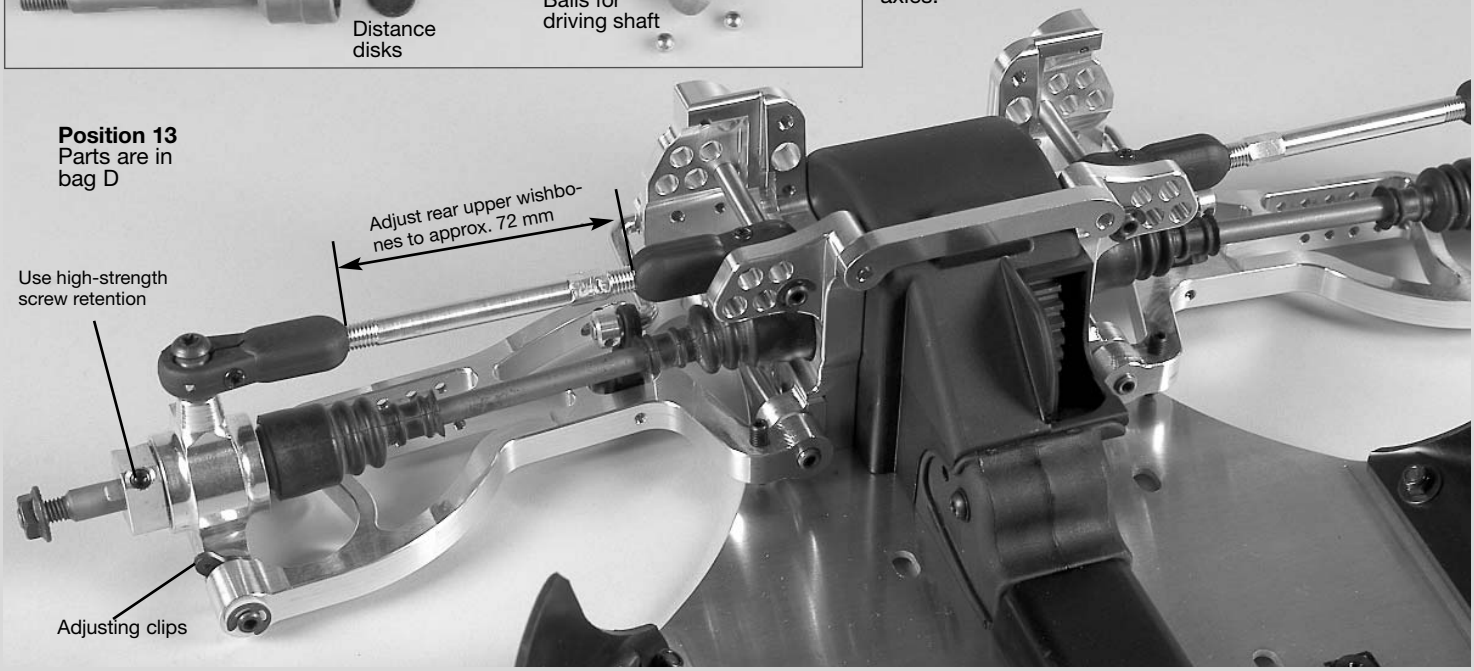
6. Fix the premounted upper wishbones through the alum. joint ball Ø10x13 (collar facing the alum. upright) using M5x25 pan head screws to the alum. uprights le/ri.

Position 11
Parts are in bag D

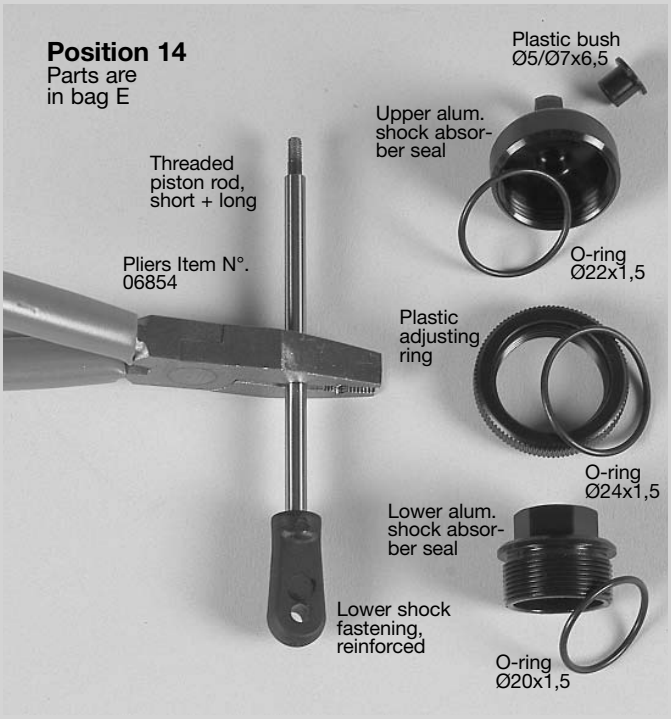


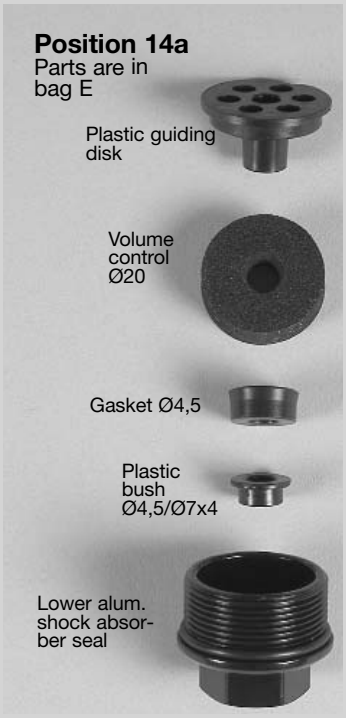
Mounting of the ball driving shafts
Stick the distance disks into the round recess of the ball driving axles as well as in the ball diff. axle using some multipurpose grease. Mount the protection bellows to the ball driving shafts according to the illustration. Slightly grease the ball area when mounting the protection bellow. Apply some lubricating grease on the ball holes of the driving shafts and impress the balls. The balls will be held by the lubricating grease and this way the driving shaft can be mounted more easily. Now push the complete ball driving shaft into the differential axle and driving axle. Push the protection bellows over the ball diff. axles and driving axles.

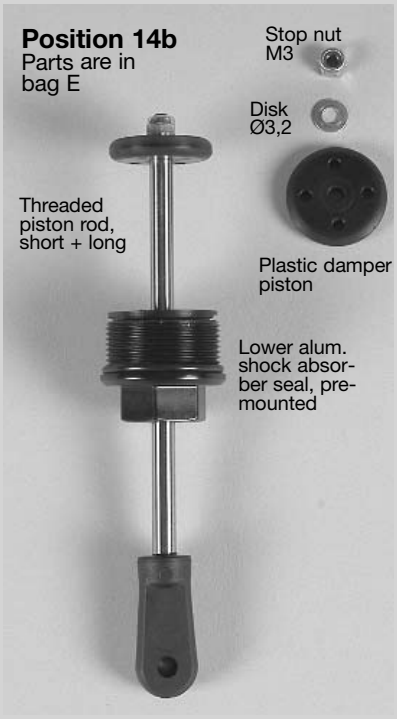
Position 13
Parts are in bag D



All metric screws need to be secured with thread lock fluid.







1. Press plastic bush Ø5/Ø7x6,5 into the upper alum. shock absorber seals as shown in position 14 and insert the o-ring Ø22x1,5 in the groove.

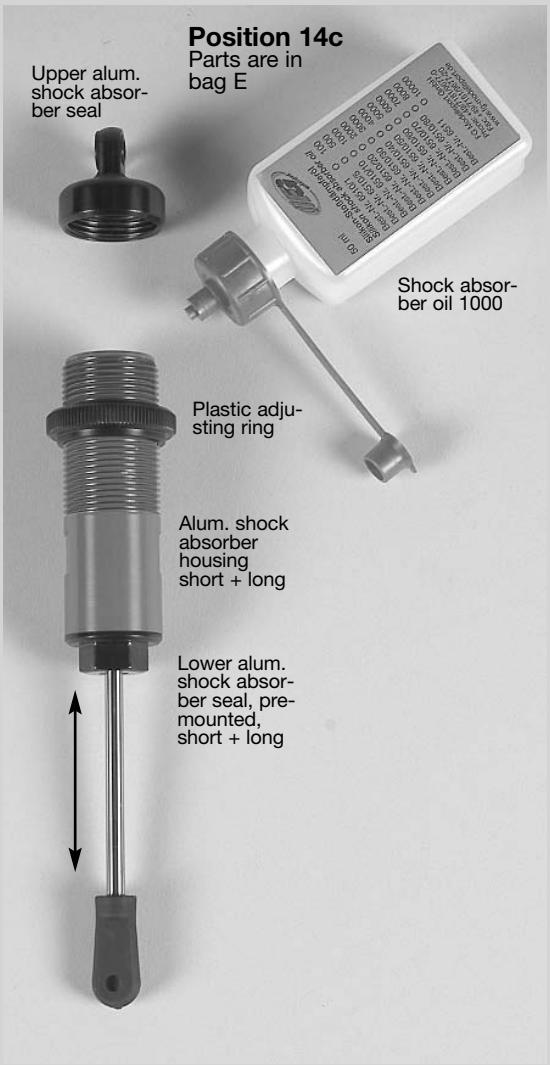
2. Insert o-ring Ø24x1,5 in the groove of the plastic adjusting rings.

3. Mount the o-ring Ø20x1,5 into the groove of the lower alum. shock absorber seals.

4. Screw the lower reinforced shock fastenings on the thread of the threaded piston rods short and long until the thread can not be seen anymore. Make sure you do not damage the piston rod. Therefore we recommend to use the pliers Item N°. 06854.

5. Impress the plastic bushes Ø4,5/Ø7x4 and gaskets Ø4,5 into the lower alum. shock absorber seals, then press the volume control Ø20 on the plastic guiding disks and impress into the lower alum. shock absorber seals (see position 14a).

6. Push the threaded piston rods short and long carefully and with some shock absorber oil through the premounted alum. shock absorber seals as shown in position 14b, then mount the plastic damper piston with disk Ø3,2 and stop nut M3. Do not tighten the stop nuts M3 too firm, make sure the plastic damper pistons can still be moved.

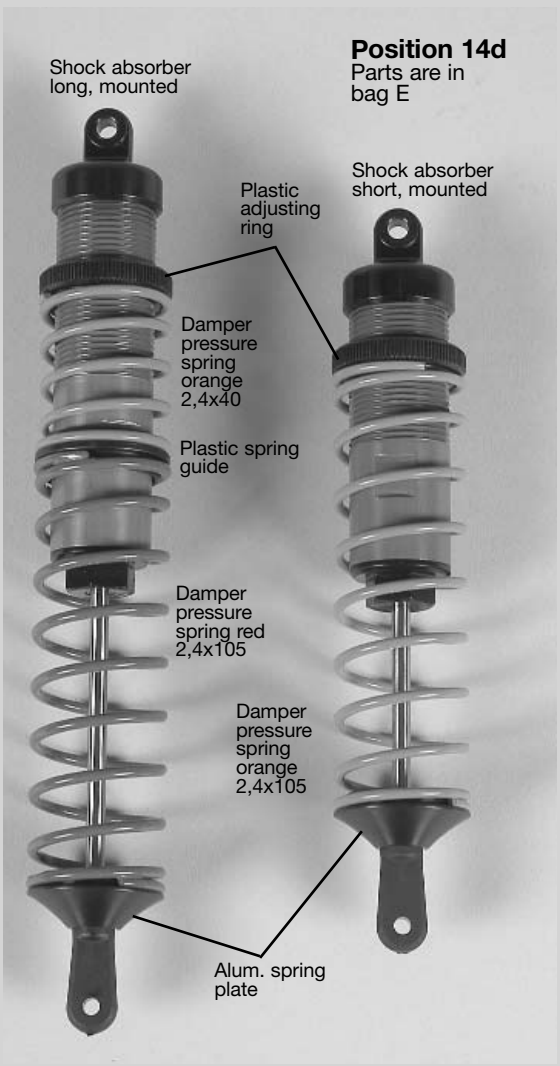


7. Screw the plastic adjusting rings with some oil on the alum. shock absorber housing short and long as shown in position 14c.

8. Fix the assembled alum. shock absorber seals with short piston rod into the short shock absorber housing.
Fix the assembled alum. shock absorber seals with long piston rod into the long shock absorber housing.

9. Fill the shock absorbers with shock absorber oil up to the top and move the piston rod carefully several times in and out so that the air bubbles in the oil come upwards. As soon as no air bubbles appear anymore, pull the piston rod completely out and lock the shock absorbers with the upper alum. shock absorber seals.

10. Mount the orange damper pressure spring 2,4x40, the plastic spring guide and red damper pressure spring 2,4x105 on the long rear shock absorbers and secure them with the alum. spring plates as shown in position 14d. Fix the orange damper pressure spring 2,4x105 on the short front shock absorbers and secure it using the alum. spring plates.



1. Fix the rear alum. damper plate to the le/ri alum. rear axle mounts using M4x18 pan head screws and disks Ø4,3 (Mount the cut-out of the alum. shock mount in driving direction).

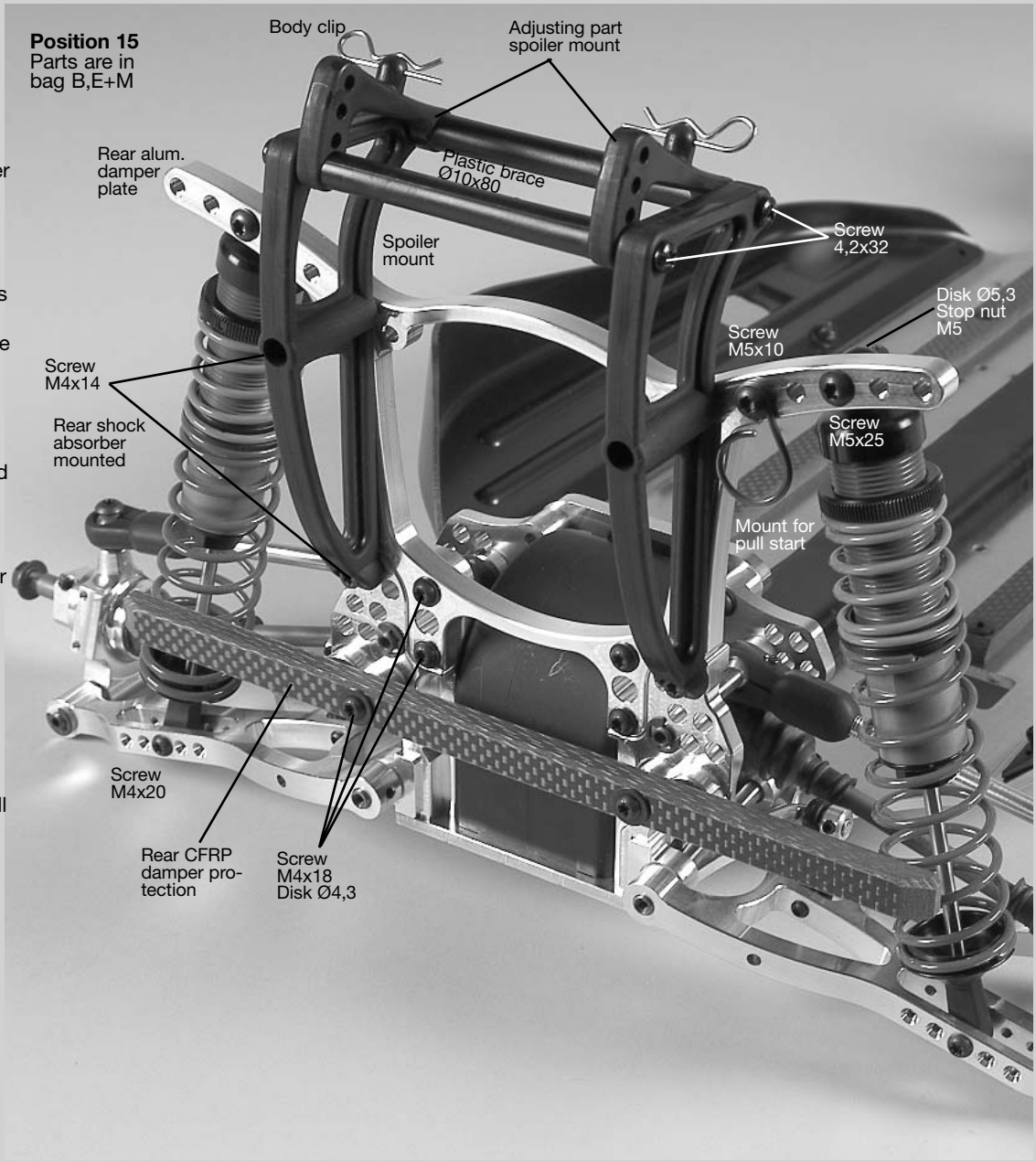
2. Mount the rear assembled lower shock absorbers to the rear lower alum. wishbones (medium threaded hole) using M4x20 pan head screws. Screw M5x25 pan head screws in the outer threaded holes of the alum. damper plate rear, then fix the shock absorbers at the top using disks Ø5,3 and stop nuts M5.

3. Mount the rear CFRP damper protection to the le/ri alum. rear axle mount using M4x18 pan head screws and disks Ø4,3 on both sides of the rear CFRP damper protection.

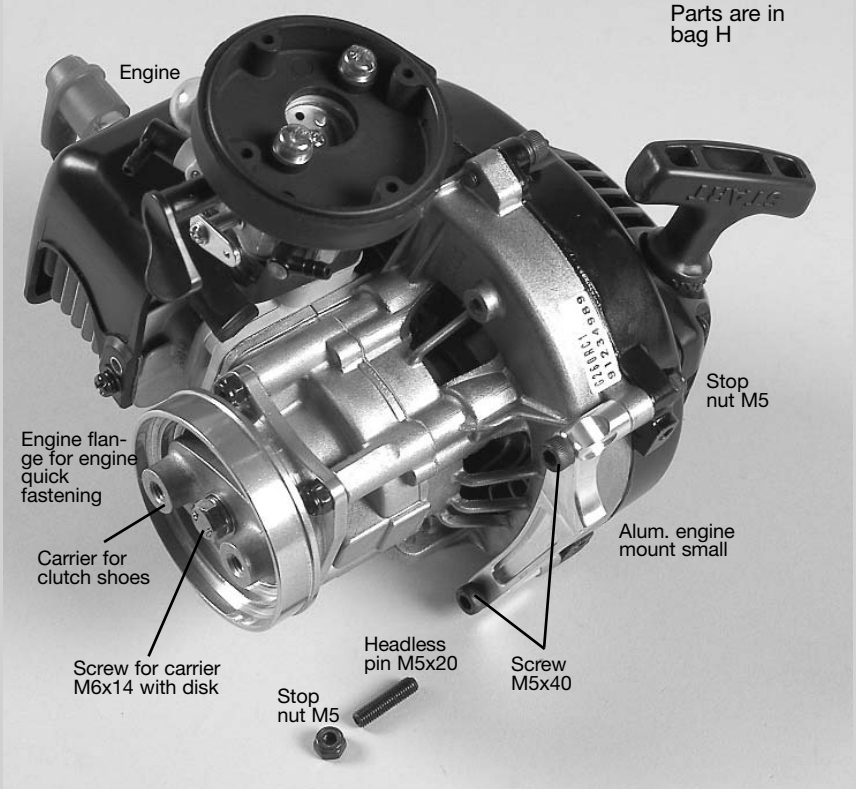
4. Fix the spoiler mount at the rear alum. damper plate using M4x14 cylinder head screws, mount the plastic brace Ø10x80mm and the adjusting parts spoiler mount in between using 4,2x32 pan head screws as shown in position 15. Clip the body clips on the adjusting parts spoiler mount.

5. Assemble the mount for the pull start to the rear alum. damper plate using M5x10 pan head screws as shown in position 15.

Position 15
Parts are in bag B,E+M



Position 16
Parts are in bag H



1. Mount the small alum. engine mount to the engine using M5x40 pan head screws and counter with M5 stop nuts. For this purpose the original screws of the engine have to be removed.

2. Apply screw retention lacquer on the four headless pins M5x20 and screw them into the engine housing until they poke out of the housing approx. 9mm.

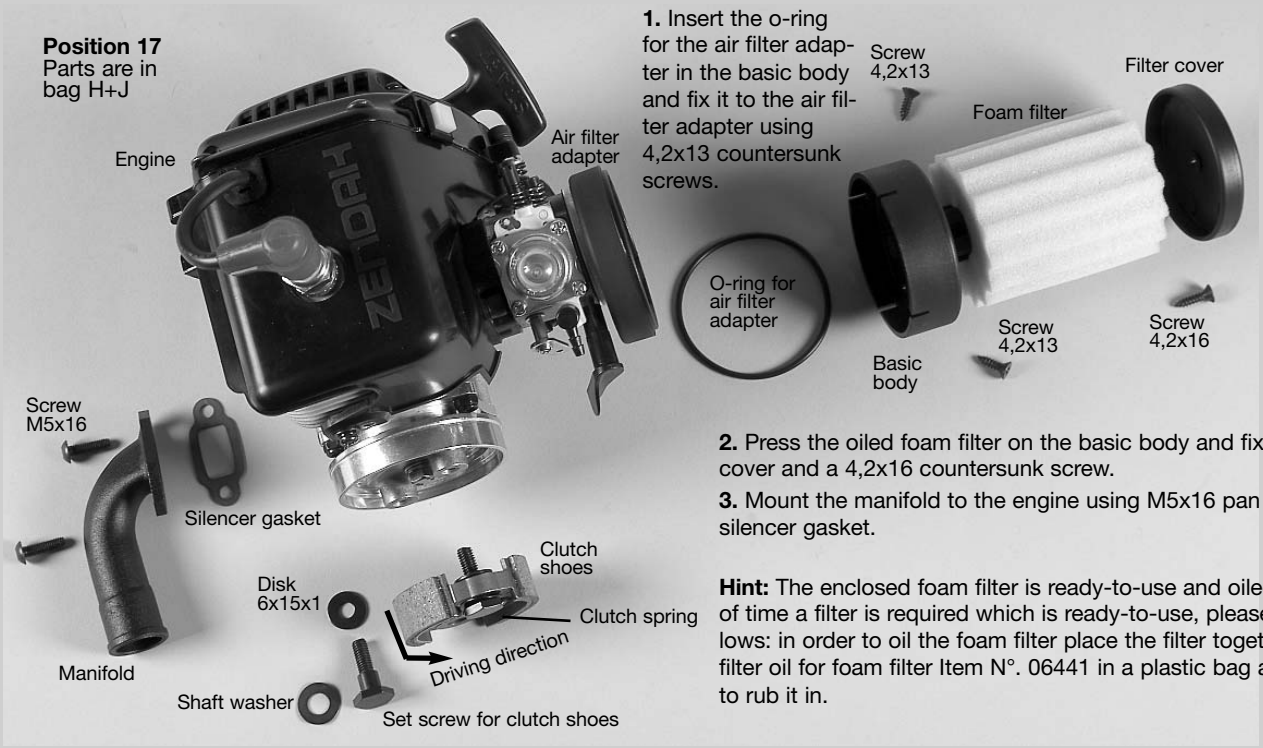
3. Press the engine flange for the engine quick fastening (with the cutout facing the cylinder) on the housing or respectively the headless pins and fix it using M5 stop nuts.

4. Fix the carrier for the clutch shoes to the engine using an M6x14 hexagon screw with pressed on disk.

Hint: If the FG piston stop pin Item N°. 08542 is used, the assembling of the clutch shoe carrier will be considerably simplified.

All metric screws need to be secured with thread lock fluid.

Position 17
Parts are in bag H+J



1. Insert the o-ring for the air filter adapter in the basic body and fix it to the air filter adapter using 4,2x13 countersunk screws.

2. Press the oiled foam filter on the basic body and fix it with the filter cover and a 4,2x16 countersunk screw.

3. Mount the manifold to the engine using M5x16 pan head screws and silencer gasket.

Hint: The enclosed foam filter is ready-to-use and oiled. If at a later point of time a filter is required which is ready-to-use, please proceed as follows: in order to oil the foam filter place the filter together with some FG filter oil for foam filter Item N°. 06441 in a plastic bag and press together to rub it in.

4. Kupplungsfeder in die Kupplungsbacken einhängen und Kupplungsbacken nach Abbildung aufeinander schieben (werksseitig vormontiert).

5. Place the shaft washers on the set screws for the clutch shoes and push them from the side with the arrows (running direction of the engine) into the clutch shoes, then fix it on the clutch shoe carrier using 6x15x1 disks.

Hint: If the FG piston stop pin Item N°. 08542 is used, the assembling of the clutch will be considerably simplified.

2. Impress the tuning clutch bell with two set screws 10x16x1 in the alum. gear plate as shown in position 18, now mount set screw 10x16x1 and steel gearwheel 18 teeth on the flats of the tuning clutch bell using M5x5 headless pins, secure with M6x10 pan head screw.

3. Assemble the alum. gear plate at the alum. gear flange-engine mount using M4x14 cylinder head screws. Screw M5x14 pan head screw into the alum. gear flange-engine mount, but do not tighten yet.

4. Press the tuning gear shaft at the side with the longer shaft flats flush into the alum. gearwheel adapter and secure with M6x6 headless pins and M6x10 pan head screws.

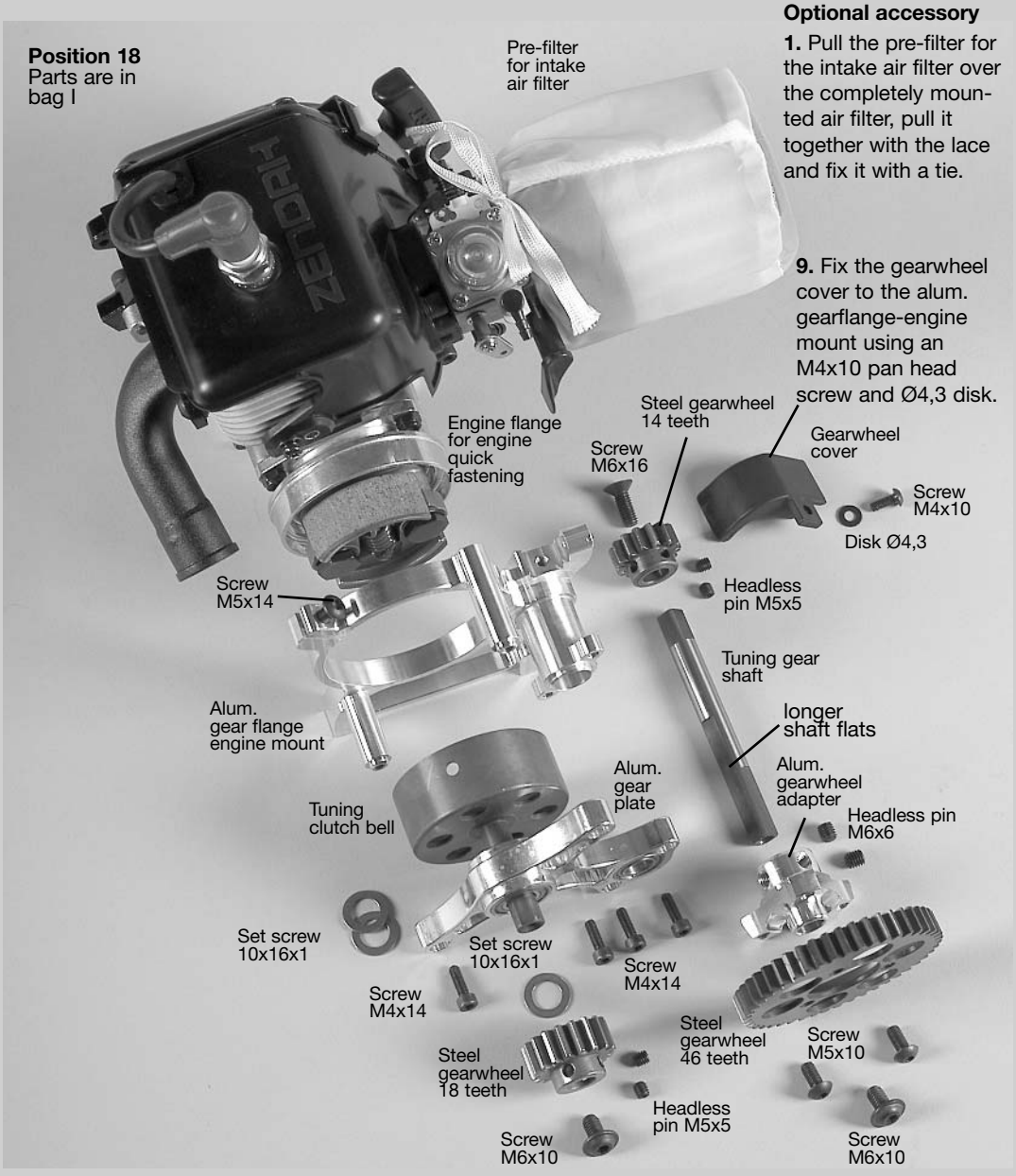
5. Mount steel gearwheel 46 teeth to the alum. gearwheel adapter using M5x10 pan head screws.

6. Press the tuning gear shaft through the ball bearings of the alum. gear plate and alum. gear flange-engine mount.

7. Press the steel gearwheel 14 teeth on the tuning gear shaft as shown in position 18 and fix it using M5x5 headless pins on the flats of the tuning gear shaft, secure with M6x16 countersunk screw. Use high-strength screw retention.

8. Plug the complete gear unit on the engine flange for engine quick fastening.

Position 18
Parts are in bag I



Optional accessory

1. Pull the pre-filter for the intake air filter over the completely mounted air filter, pull it together with the lace and fix it with a tie.

9. Fix the gearwheel cover to the alum. gearflange-engine mount using an M4x10 pan head screw and Ø4,3 disk.

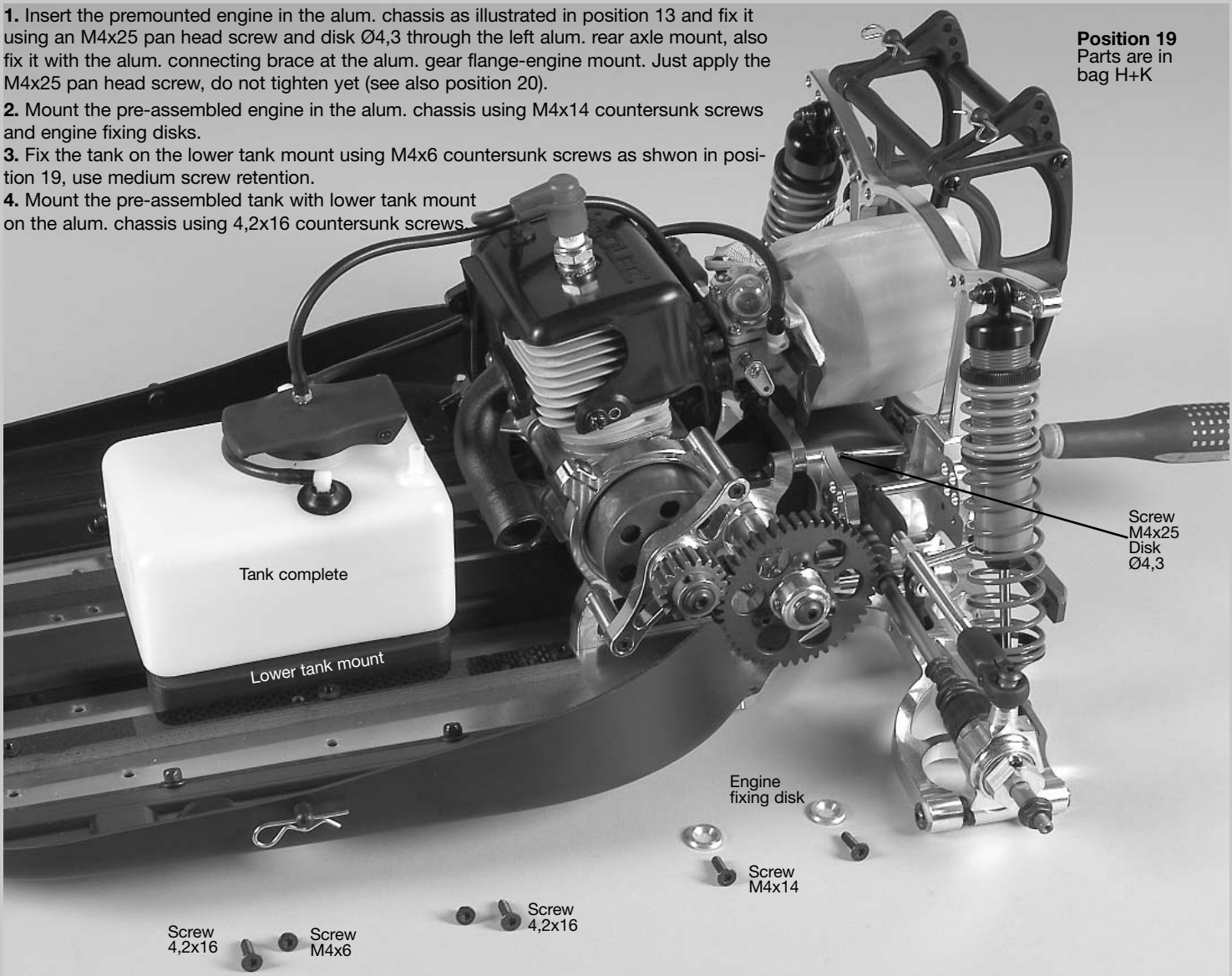
1. Insert the premounted engine in the alum. chassis as illustrated in position 13 and fix it using an M4x25 pan head screw and disk Ø4,3 through the left alum. rear axle mount, also fix it with the alum. connecting brace at the alum. gear flange-engine mount. Just apply the M4x25 pan head screw, do not tighten yet (see also position 20).

2. Mount the pre-assembled engine in the alum. chassis using M4x14 countersunk screws and engine fixing disks.

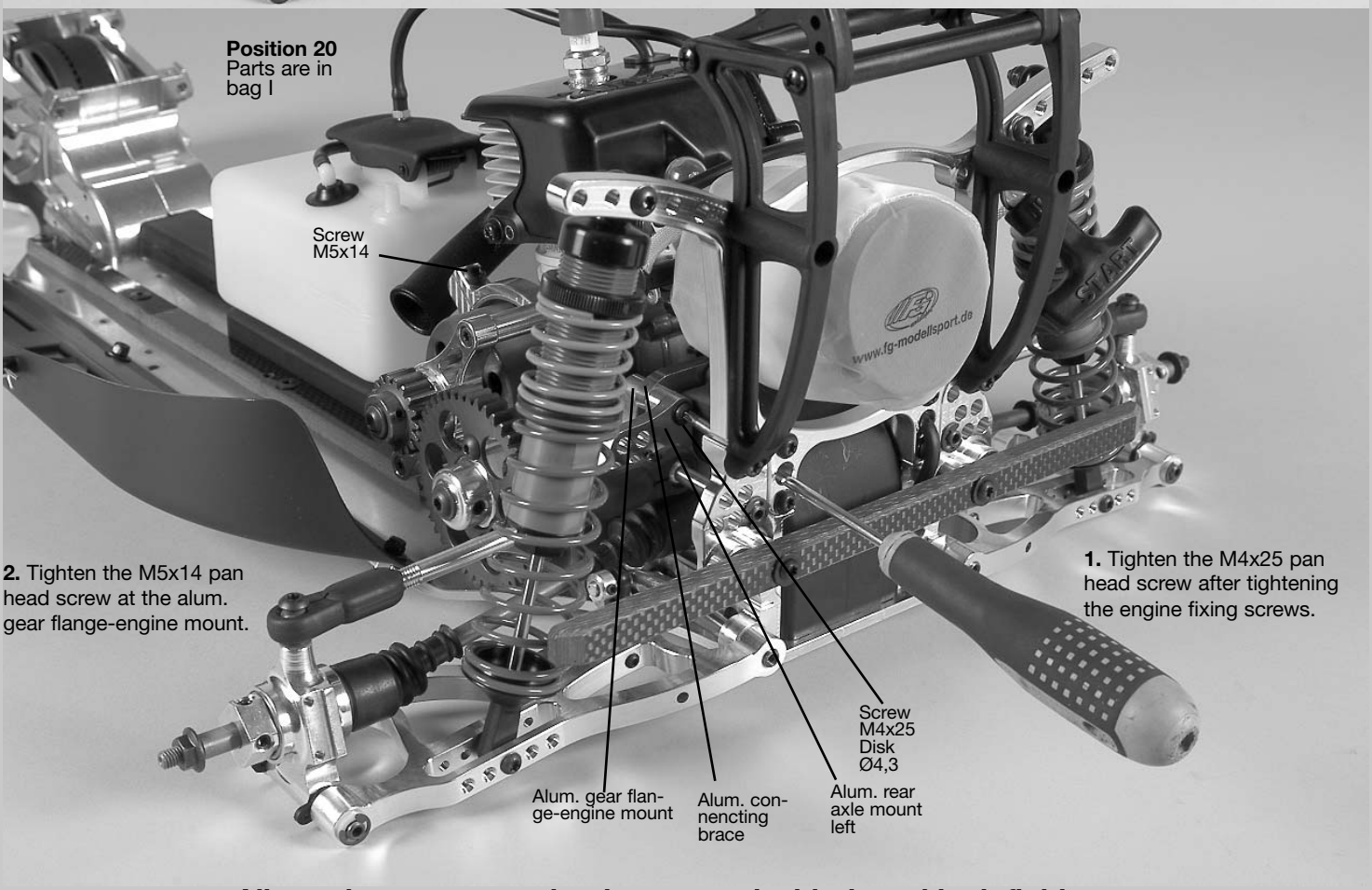
3. Fix the tank on the lower tank mount using M4x6 countersunk screws as shwon in position 19, use medium screw retention.

4. Mount the pre-assembled tank with lower tank mount on the alum. chassis using 4,2x16 countersunk screws.

Position 19
Parts are in bag H+K



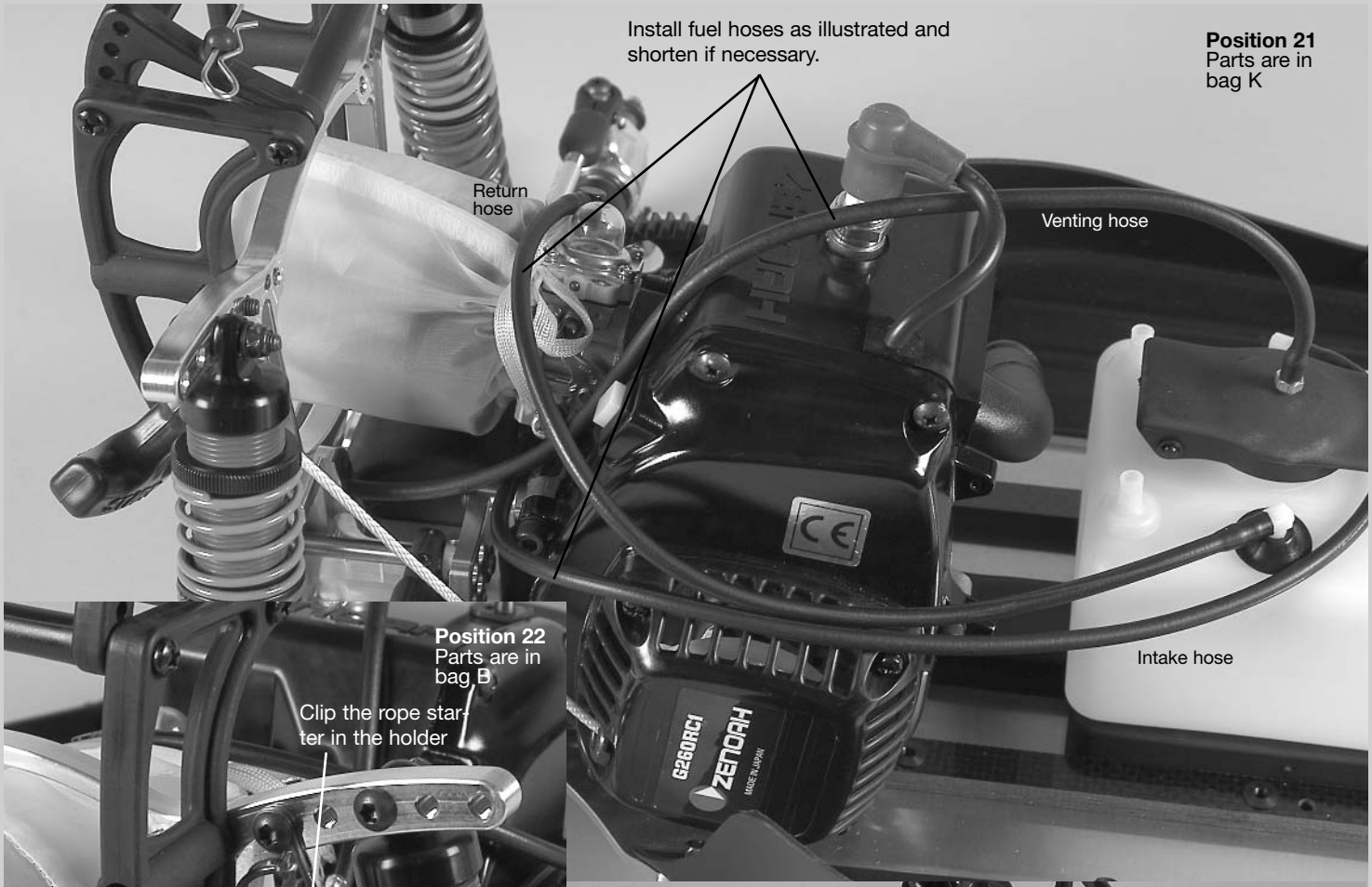
Position 20
Parts are in bag I

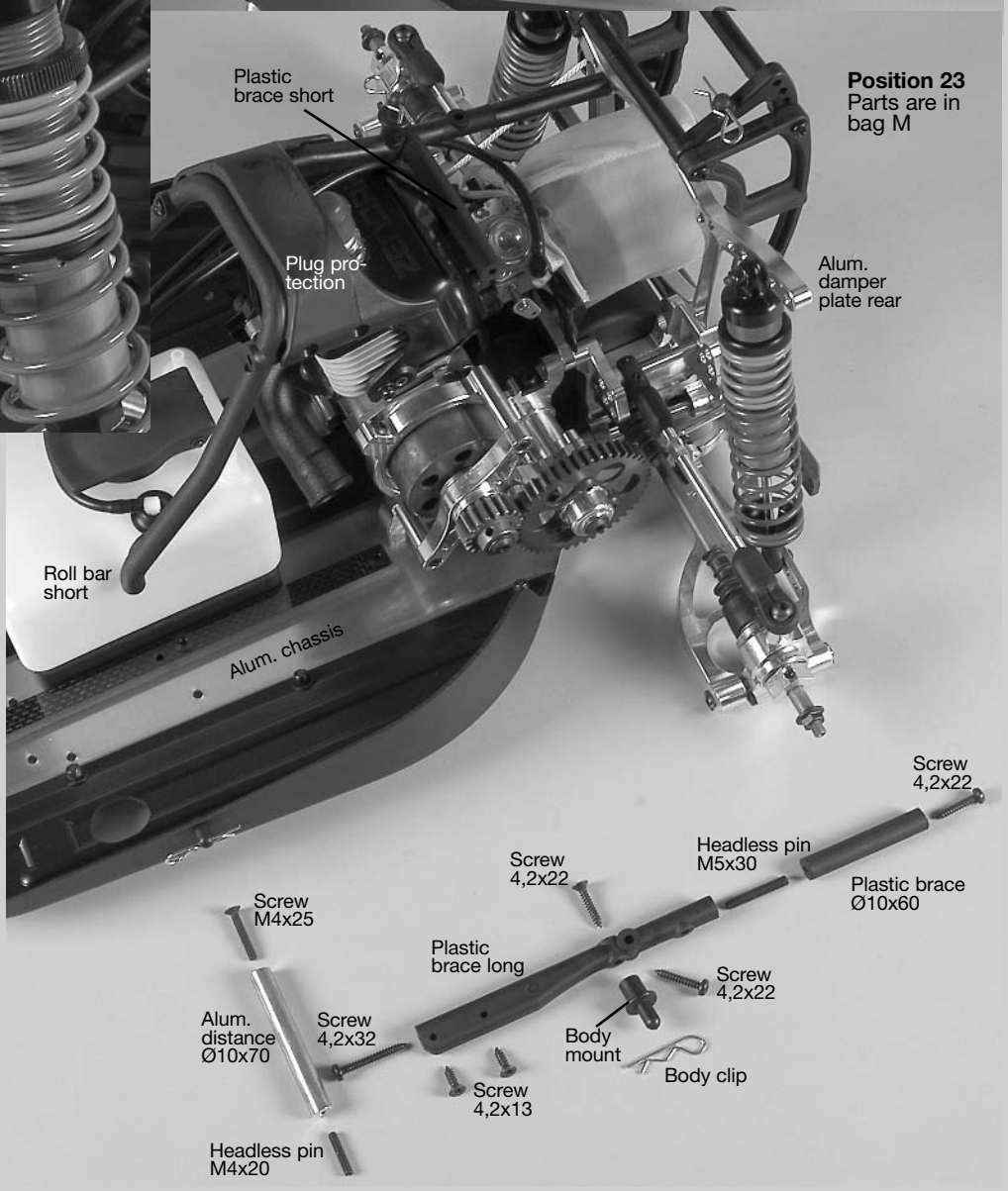


2. Tighten the M5x14 pan head screw at the alum. gear flange-engine mount.

1. Tighten the M4x25 pan head screw after tightening the engine fixing screws.

All metric screws need to be secured with thread lock fluid.





1. Screw M4x20 headless pins centric into the short roll bar and screw the alum. distances Ø10x70mm on top, then mount the complete roll bar through the CFRP chassis stiffening to the alum. chassis using M4x25 countersunk screws.

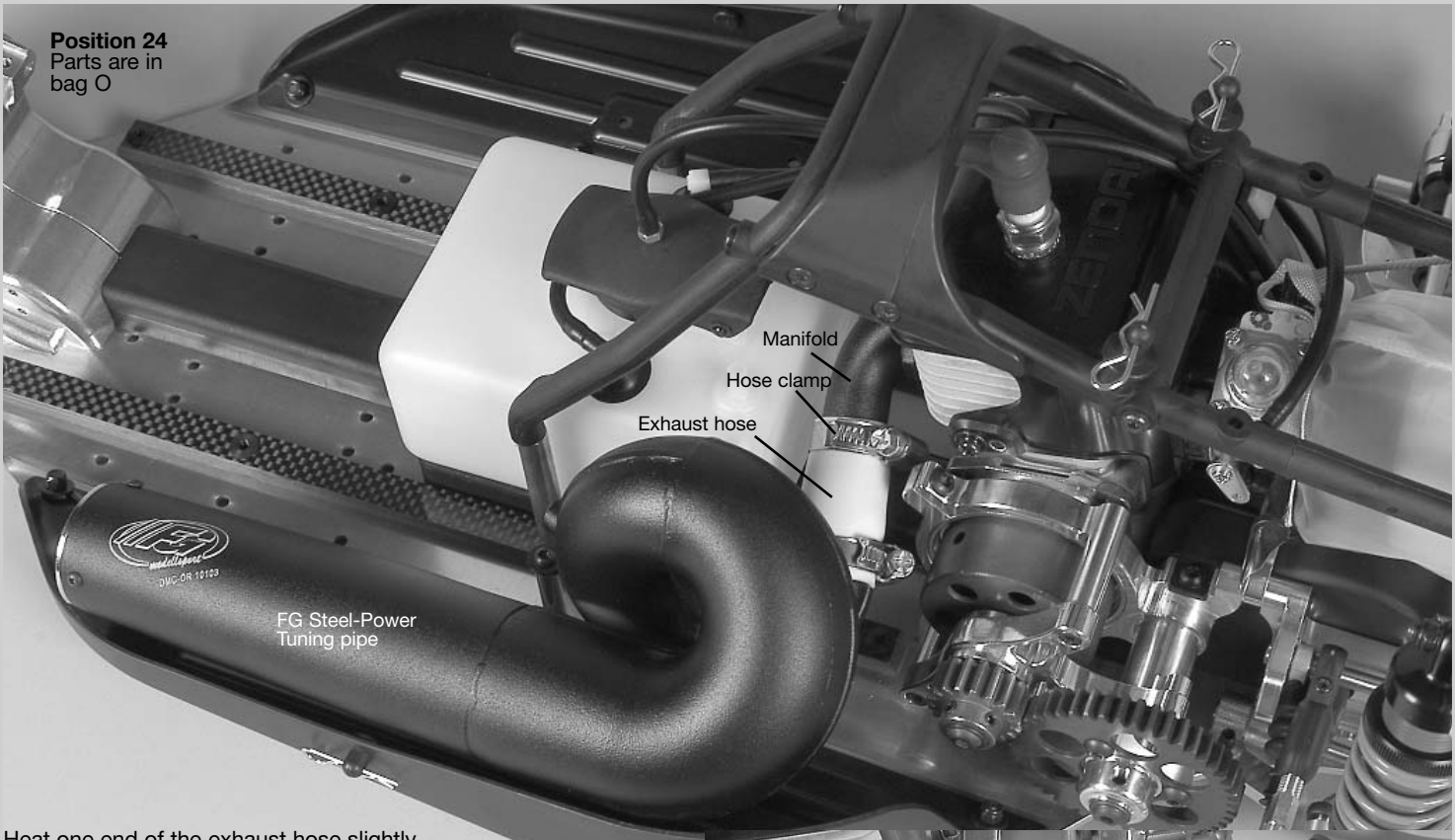
2. Screw M5x30 headless pins centric into the plastic braces Ø10x60 as shown in position 23, then screw on the long plastic braces.

3. Fix the body mounts from the bottom at the long plastic braces into the front boring using 4,2x22 countersunk screws and press the body clips on. Mount the long pre-assembled plastic braces to the rear alum. damper plate and to the short front roll bar using 4,2x22 and 4,2x32 pan head screws as shown in position 23.

4. Fix the short plastic brace to the long plastic brace using 4,2x22 pan head screws as illustrated in position 23.

5. Assemble the plug protection at the long plastic braces using 4,2x13 countersunk screws.

Position 24
Parts are in
bag O



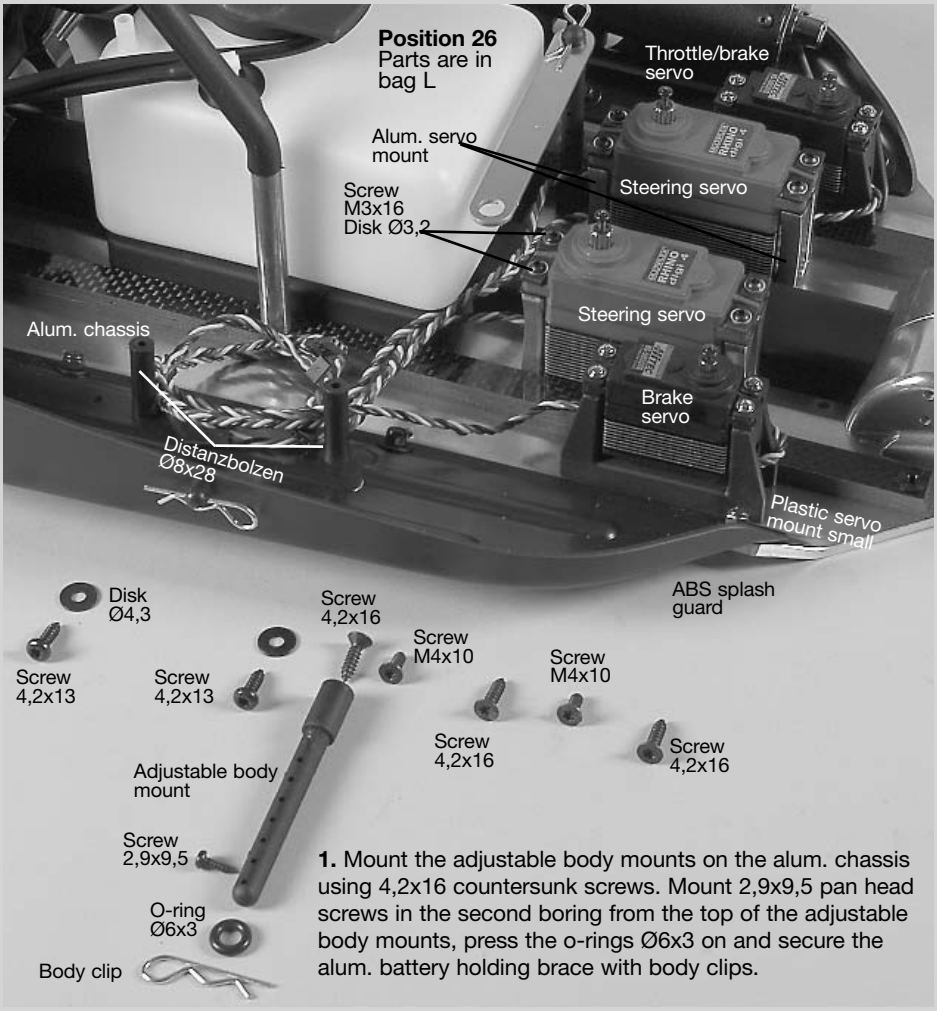
Heat one end of the exhaust hose slightly with a lighter and press it on the FG Steel-Power Tuning pipe as shown in position 24, then fix it using a hose clamp.
Heat up the exhaust hose once again and press it with the second hose clamp on the manifold, then fasten it.

Position 25
Parts are in
bag O

1. Fix the alum. distance Ø8x37,5 to the alum. chassis using M4x14 countersunk screw. Bend the fixing wire for the FG Steel-Power Tuning pipe as illustrated in position 25 and fasten it at the alum. distance Ø8x37,5 using M4x10 pan head screw and disk Ø4,3.

2. Bend the second fixing wire for the FG Steel-Power Tuning pipe as illustrated in position 25 and fix it at the alum. chassis in the front left side by using M4x14 pan head screw, disk Ø4,3 and stop nut M4. Clamp the fixing wire using an M5x5 headless pin. Adjust and fix the Tuning pipe with both fixing wires in a way that the pipe does not touch other parts.

All metric screws need to be secured with thread lock fluid.



1. Mount the adjustable body mounts on the alum. chassis using 4,2x16 countersunk screws. Mount 2,9x9,5 pan head screws in the second boring from the top of the adjustable body mounts, press the o-rings Ø6x3 on and secure the alum. battery holding brace with body clips.

2. Mount distance bolts Ø8x28mm to the right ABS splash guard using 4,2x13 pan head screws and disks Ø4,3 as shown in position 26.

3. Fix the small plastic servo mount to the alum. chassis using 4,2x16 countersunk screws. Mount the throttle/brake servo and brake servo into the small plastic servo mounts using the enclosed fixing rubber bushings and screws as shown in position 26.

4. Fix the alum. servo mount to the alum. chassis using M4x10 countersunk screws. Mount the steering servos into the alum. servo mounts using the enclosed fixing rubber bushings, M3x16 pan head screws and disks Ø3,2 as shown in position 26.

5. Assemble the receiver battery to the alum. battery brace using insulating tape as illustrated in position 27.

6. Fix the aerial mount at the top part of the receiver box using a 2,9x19 pan head screw as shown in position 28. Press the aerial tubing into the aerial mount and clamp it using a 2,9x9,5 pan head screw.

7. Press the bottom part of the receiver box on the distance bolts Ø8x28mm. Connect the servo cable, battery cable a.s.o. to the receiver and check on function.

8. To lead the cables through you have to drill a hole of approx. Ø8mm at a suitable place of the receiver box top.

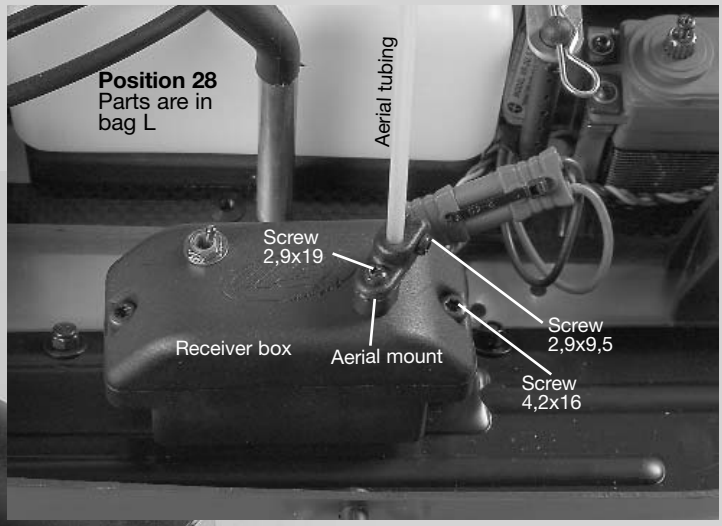
9. Store receiver and the rest of the cables in the receiver box, push thew aerial cable of the receiver into the aerial tubing.

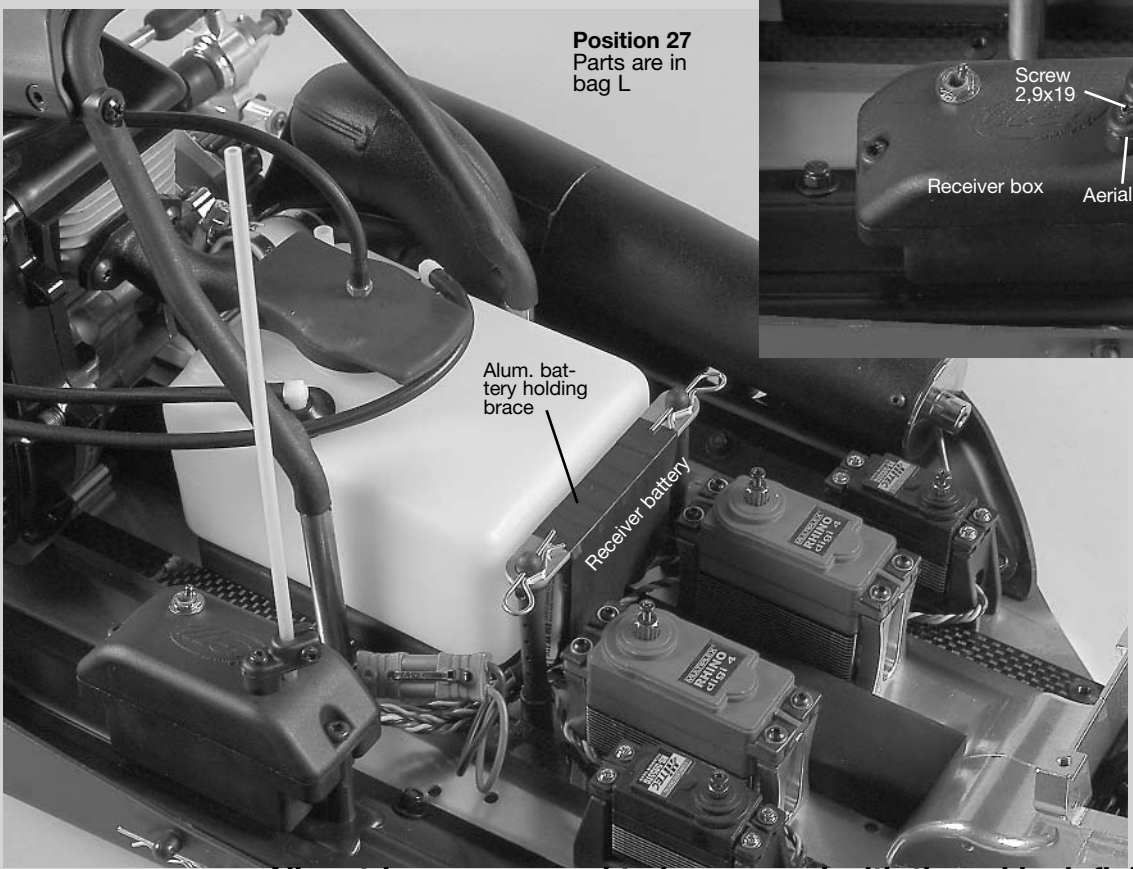
10. Place an o-ring between the receiver box bottom and receiver box top for sealing.

11. Screw the receiver box on the distance bolts Ø8x28mm using 4,2x16 pan head screws.

Hint: Cover the bottom part of the receiver box with some foam in order to protect the receiver against vibrations.

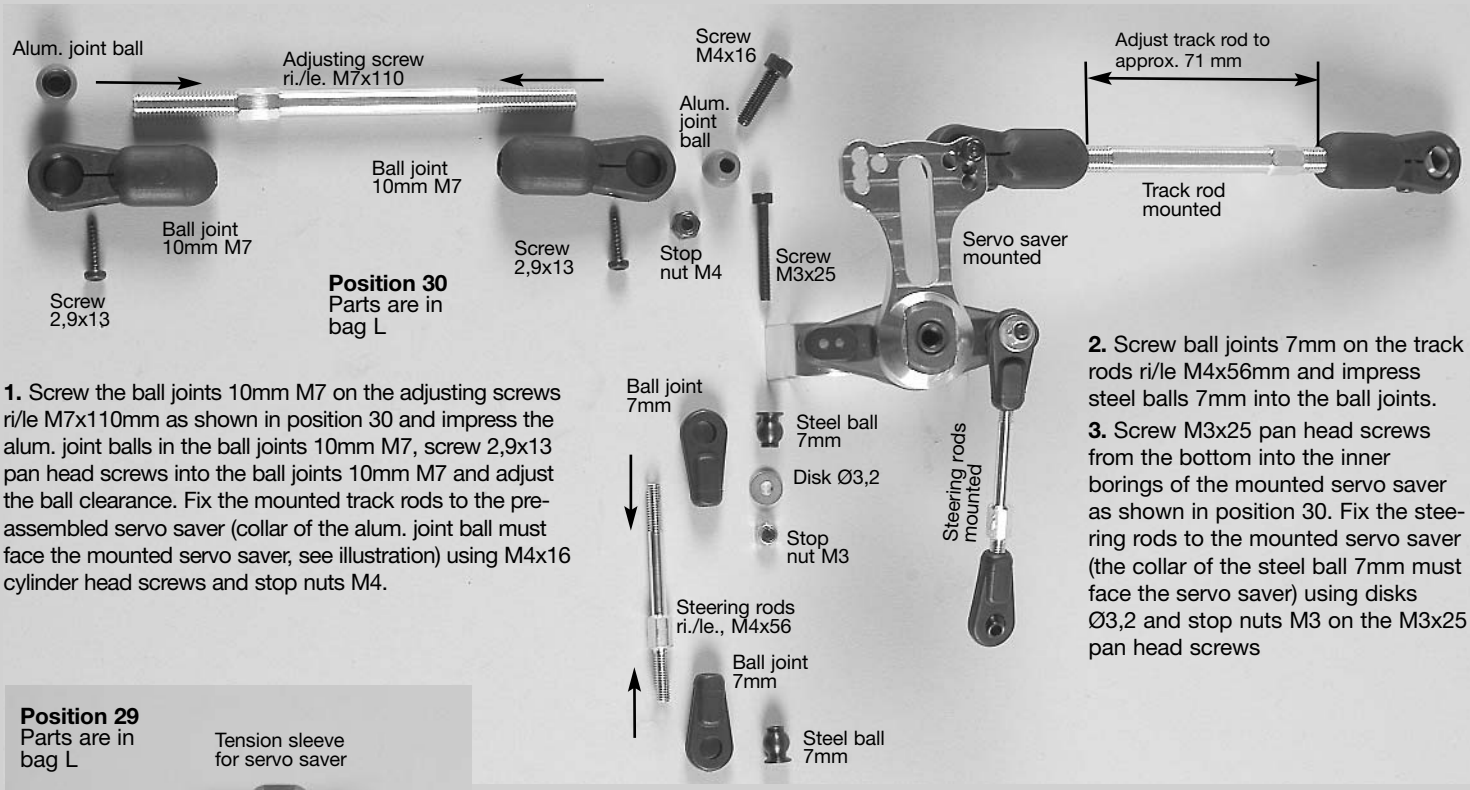
Before you start mounting the remote control components, please also thoroughly read the enclosed RC manual and deal with transmitter, receiver and servos. Charge the receiver and transmitter batteries and check the parts on their function.





Due to the constricted space conditions we recommend to use the FG Mini Racing pack 06543/01 for the receiver/ servo power supply. Additionally the FG receiver cable Item N°. 06547/02 or FG receiver cable with switch FG/JR Item N°. 06551 is required.

All metric screws need to be secured with thread lock fluid.



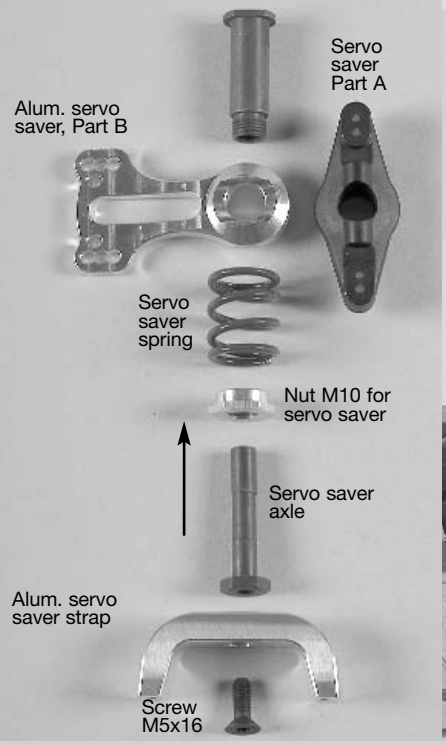
Position 30
Parts are in bag L

1. Screw the ball joints 10mm M7 on the adjusting screws ri/le M7x110mm as shown in position 30 and impress the alum. joint balls in the ball joints 10mm M7, screw 2,9x13 pan head screws into the ball joints 10mm M7 and adjust the ball clearance. Fix the mounted track rods to the pre-assembled servo saver (collar of the alum. joint ball must face the mounted servo saver, see illustration) using M4x16 cylinder head screws and stop nuts M4.

2. Screw ball joints 7mm on the track rods ri/le M4x56mm and impress steel balls 7mm into the ball joints.

3. Screw M3x25 pan head screws from the bottom into the inner borings of the mounted servo saver as shown in position 30. Fix the steering rods to the mounted servo saver (the collar of the steel ball 7mm must face the servo saver) using disks Ø3,2 and stop nuts M3 on the M3x25 pan head screws

Position 29
Parts are in bag L



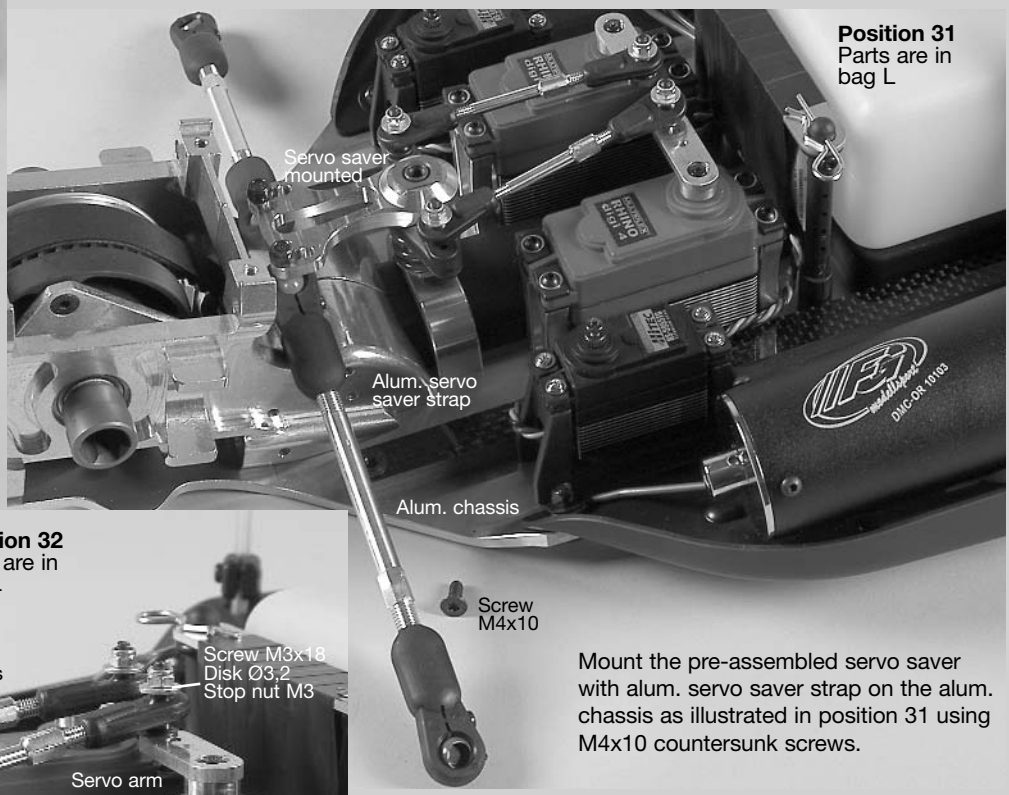
1. Impress the tension sleeve for servo saver from the top through alum. servo saver part B and servo saver part A as shown in position 29.

2. Mount the servo saver spring with nut M10 for servo saver on the thread of the tension sleeve for servo saver as shown in position 29 and check servo saver on smooth running.

3. Lubricate the servo saver axle slightly and press it from the bottom into the tension sleeve as shown in position 29.

4. Fix the alum. servo saver strap at the servo saver axle using an M5x16 countersunk screw.

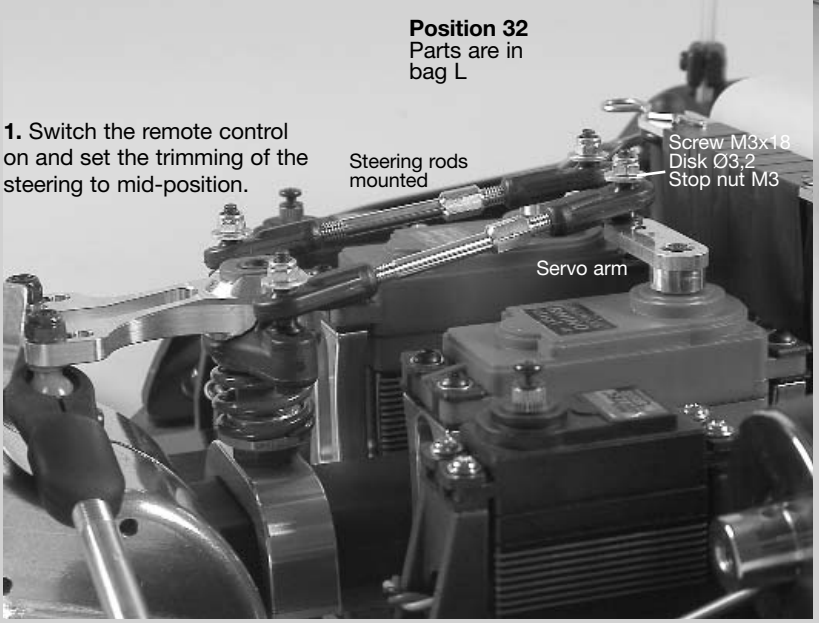
Position 31
Parts are in bag L



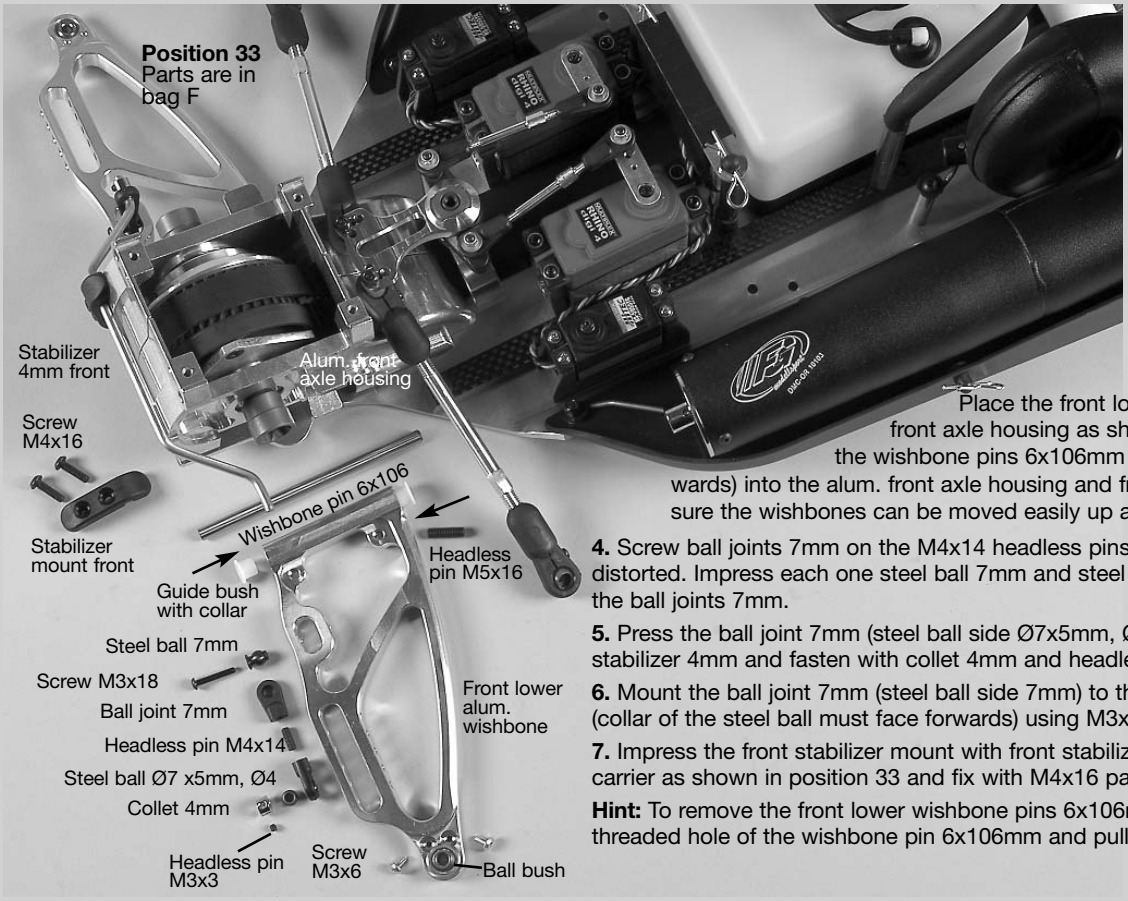
Mount the pre-assembled servo saver with alum. servo saver strap on the alum. chassis as illustrated in position 31 using M4x10 countersunk screws.

Position 32
Parts are in bag L

1. Switch the remote control on and set the trimming of the steering to mid-position.



2. First mount an assembled steering rod (collar of the ball must face towards the servo arm) to the servo arm using M3x18 pan head screw, disk Ø3,2 and stop nut M3 as shown in position 32. Press the servo arm on the toothing of the steering servo as illustrated in position 32 and fix it with enclosed screw. The servo arm should be mounted in 90° position to the steering servo, it may be necessary to shorten it depending on the version. Now fix the second assembled steering rod to the second servo arm in the same way, both steering rods must have the identical length, make sure you are able to press the servo arm easily and without any resistance on the toothing of the steering servo.



1. Secure the impressed ball bushes in the front lower alum. wishbones with M3x6 pan head screws.

2. Press the guide bushes with collar into the front lower alum. wishbones.

3. Screw the M5x16 headless pins centric from below into the front lower alum. wishbones as shown in position 33 (use screw retention).

Place the front lower alum. wishbones in the alum. front axle housing as shown in position 33 and impress the wishbone pins 6x106mm (threaded hole must face forwards) into the alum. front axle housing and front lower alum. wishbones. Make sure the wishbones can be moved easily up and down.

4. Screw ball joints 7mm on the M4x14 headless pins until they are in contact and 90° distorted. Impress each one steel ball 7mm and steel ball Ø7x5mm, Ø4 in one side of the ball joints 7mm.

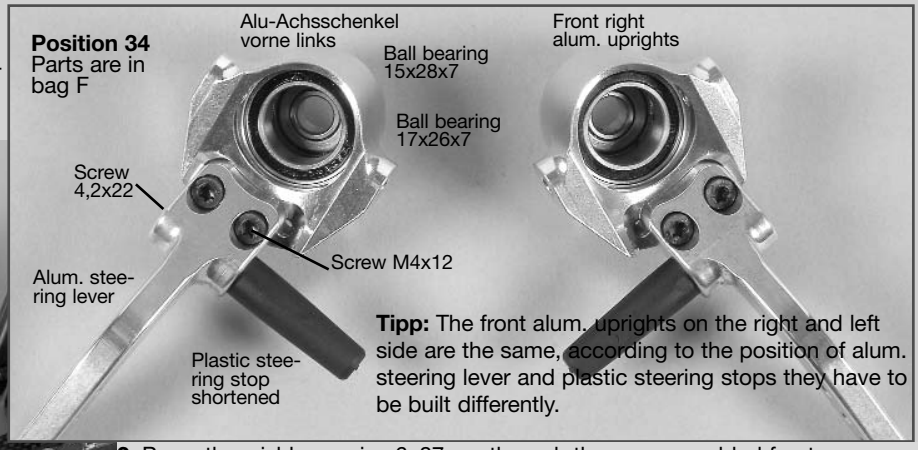
5. Press the ball joint 7mm (steel ball side Ø7x5mm, Ø4) on each one end of the front stabilizer 4mm and fasten with collet 4mm and headless pin M3x3.

6. Mount the ball joint 7mm (steel ball side 7mm) to the front lower alum. wishbones (collar of the steel ball must face forwards) using M3x18 pan head screws.

7. Impress the front stabilizer mount with front stabilizer 4mm into the alum. front axle carrier as shown in position 33 and fix with M4x16 pan head screws.

Hint: To remove the front lower wishbone pins 6x106mm screw an M4 screw into the threaded hole of the wishbone pin 6x106mm and pull it out.

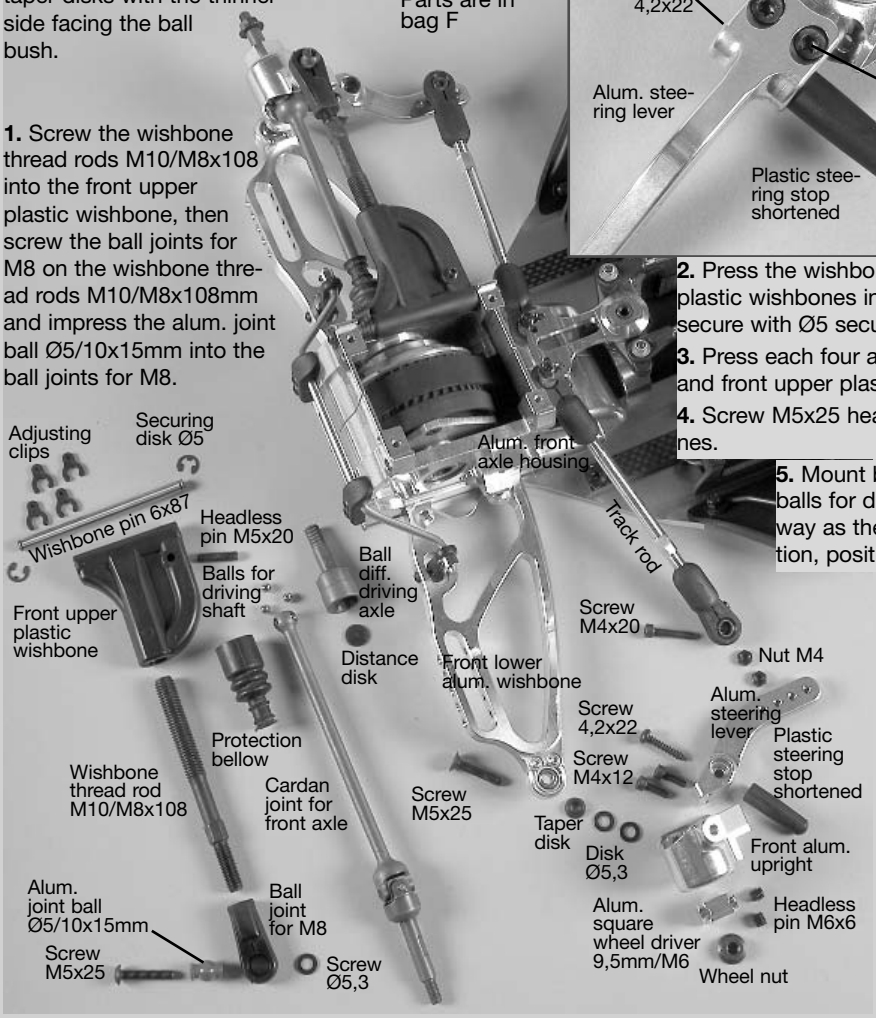
Mount the alum. steering lever to the front alum. uprights right/left using M4x12 cylinder head screws as shown in position 34. Fix the plastic steering stop shortened to the alum. steering levers using 4,2x22 pan head screws.



Tipp: The front alum. uprights on the right and left side are the same, according to the position of alum. steering lever and plastic steering stops they have to be built differently.

Hint: Always mount the taper disks with the thinner side facing the ball bush.

Position 35
Parts are in bag F



1. Screw the wishbone thread rods M10/M8x108 into the front upper plastic wishbone, then screw the ball joints for M8 on the wishbone thread rods M10/M8x108mm and impress the alum. joint ball Ø5/10x15mm into the ball joints for M8.

2. Press the wishbone pins 6x87mm through the pre-assembled front upper plastic wishbones into the alum. front axle housing as shown in position 35 and secure with Ø5 securing disks.

3. Press each four adjusting clips in the front between alum. front axle housing and front upper plastic wishbones on the wishbone pins 6x87mm.

4. Screw M5x25 headless pins from the top into the front upper plastic wishbones.

5. Mount ball diff. driving axle, protection bellow, distance disk and balls for driving shaft on the cardan joint for front axle in the same way as the ball driving shafts at the rear axle (see mounting instruction, position 11) and impress into the front differential.

6. Impress the cardan joint driving shafts in the pre-assembled alum. uprights left and right and mount alum. square wheel driver 9,5mm/M6 (offset facing the bearing) with M6x6 headless pins on the flats of the cardan joints for front axle. Use high-strength screw retention.

7. Fix the le/ri alum. uprights to the lower alum. wishbones with two disks Ø5,3 between taper disk and alum. uprights by using M5x25 countersunk screws.

8. Mount the alum. le/ri uprights to the assembled upper plastic wishbones with a disk Ø5,3 between alum. joint ball Ø5/10x15mm and alum. uprights using M5x25 pan head screws.

9. Mount the track rods (collar of the alum. joint ball must face the alum. steering lever) into the second thread hole from the top using two M4 nuts.

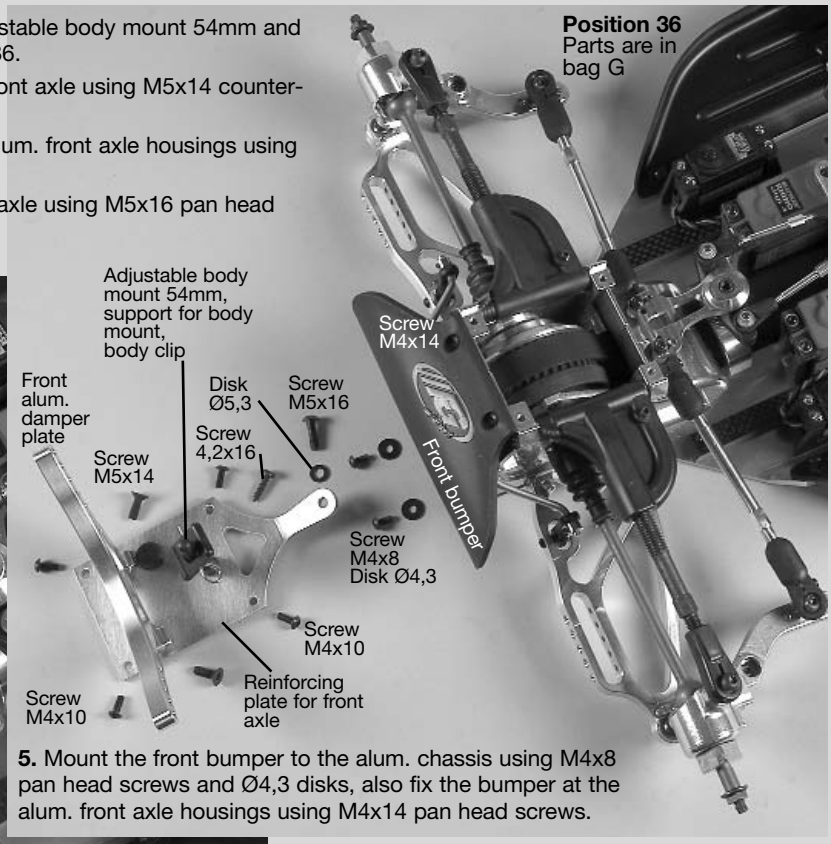
All metric screws need to be secured with thread lock fluid.

1. Mount the support for body mount with body clip to the adjustable body mount 54mm and fix it to the reinforcing plate for front axle as shown in position 36.

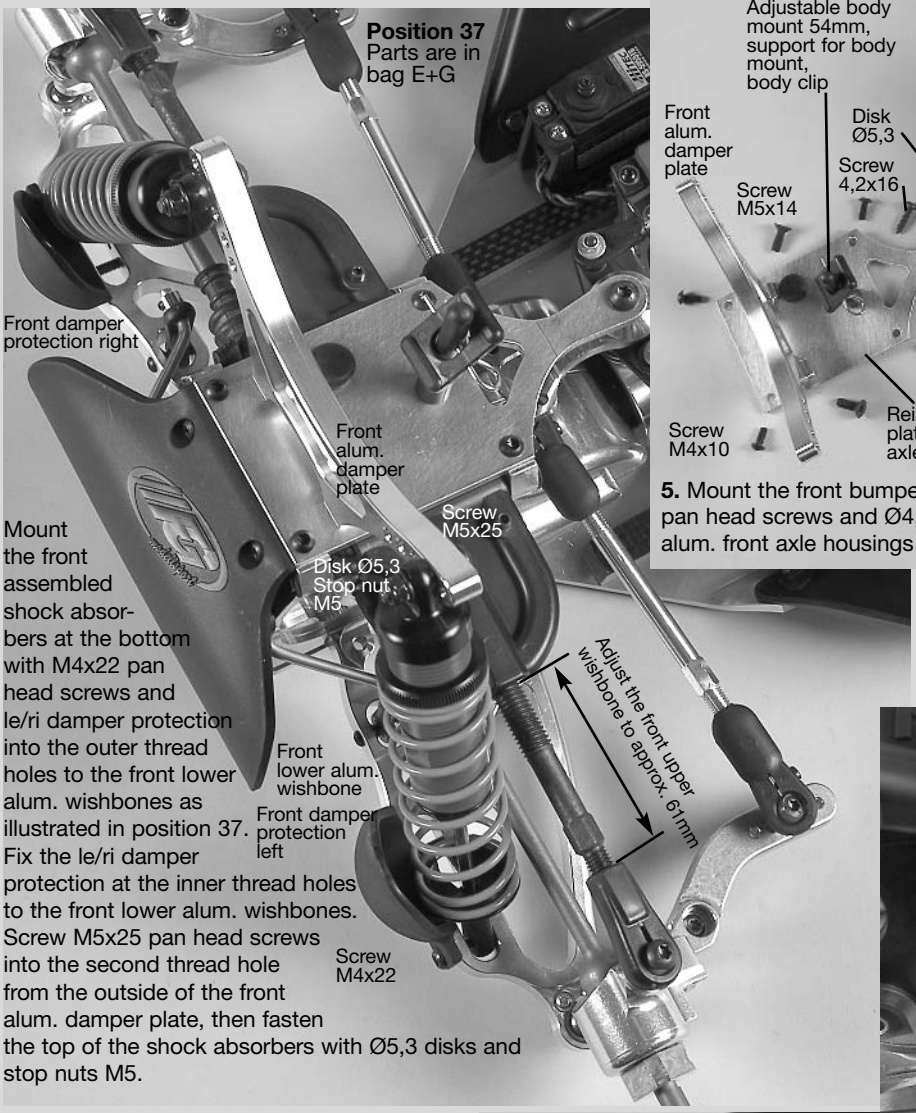
2. Fix the front alum. damper plate to the reinforcing plate for front axle using M5x14 countersunk screws (see position 36).

3. Mount the assembled reinforcing plate for front axle on the alum. front axle housings using M4x10 pan head screws.

4. Now fix the reinforcing plate for front axle to the servo saver axle using M5x16 pan head screw and disk Ø5,3.

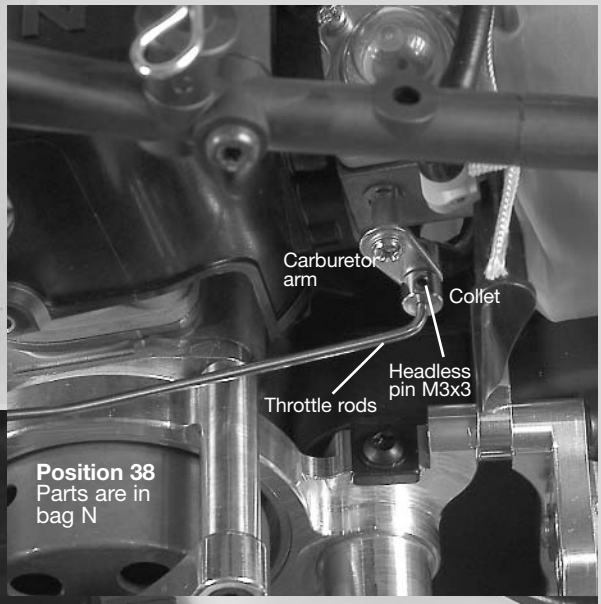


5. Mount the front bumper to the alum. chassis using M4x8 pan head screws and Ø4,3 disks, also fix the bumper at the alum. front axle housings using M4x14 pan head screws.



Mount the front assembled shock absorbers at the bottom with M4x22 pan head screws and le/ri damper protection into the outer thread holes to the front lower alum. wishbones as illustrated in position 37. Fix the le/ri damper protection at the inner thread holes to the front lower alum. wishbones. Screw M5x25 pan head screws into the second thread hole from the outside of the front alum. damper plate, then fasten the top of the shock absorbers with Ø5,3 disks and stop nuts M5.

Mount the throttle rods to the carburetor arm using collets and M3x3 headless pins. Leave a slight clearance between collets and carburetor arm. Pay attention that the carburetor arm is free movable.

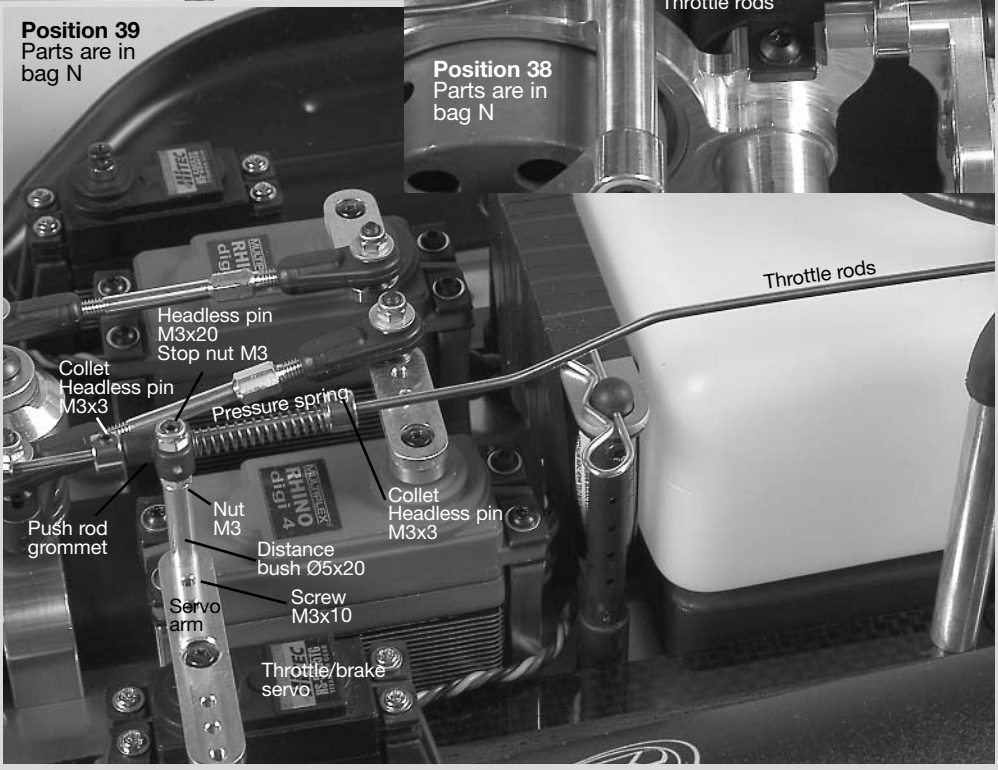


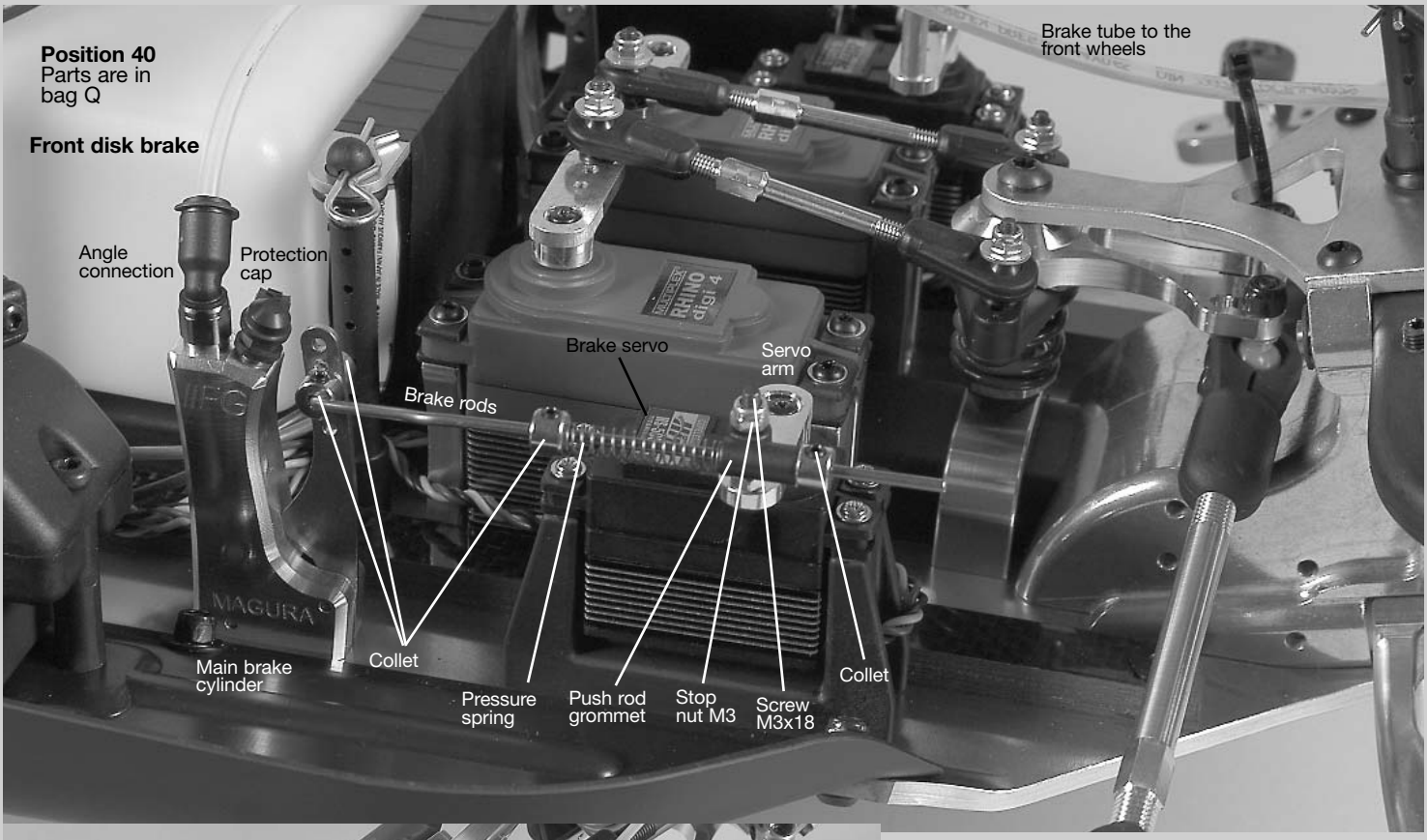
Position 38
Parts are in bag N

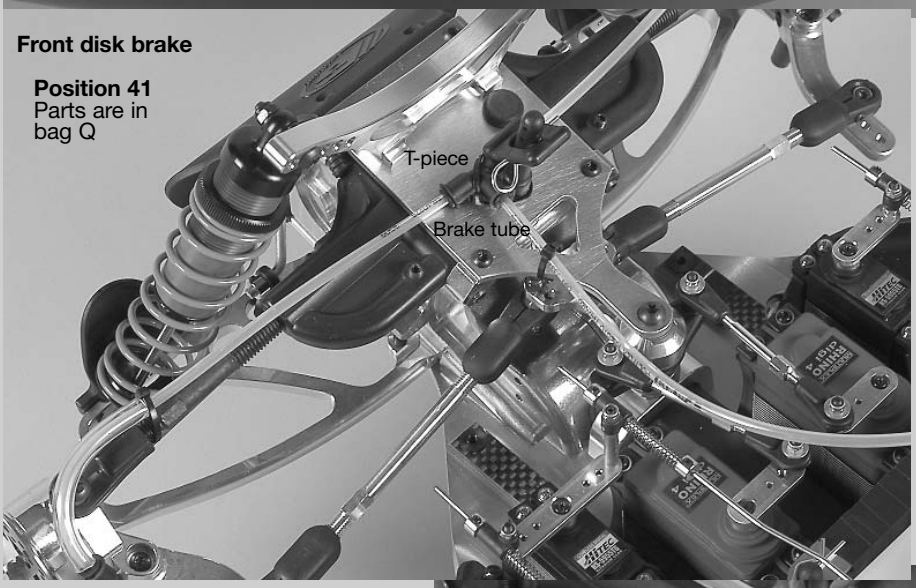
1. Mount the distance bush Ø5x20 to the servo arm using an M3x10 pan head screw as shown in position 39. Screw nut M3 on the headless pin M3x20 and turn it into the distance bush Ø5x20 until approx. 12mm are left visible, now counter with M3 nut.

2. Push the collet, pressure spring, push rod grommet and collet on the throttle rods, thereby press the push rod grommet on the headless pin M3x20 and secure with an M3 stop nut. Fix the collets with M3x3 headless pins. Switch on the remote control system. Adjust servo for throttle/brake in neutral position. Now clamp the collet at the push rod grommet with an M3x3 headless pin. Adjust transmitter at full throttle position and check if the carburetor arm is set at full throttle position, too.

Hint: Do not tighten the stop nut M3 at the push rod grommet. Push rod grommet and throttle rods must be free-moving, easy movable and mustn't touch or jam.







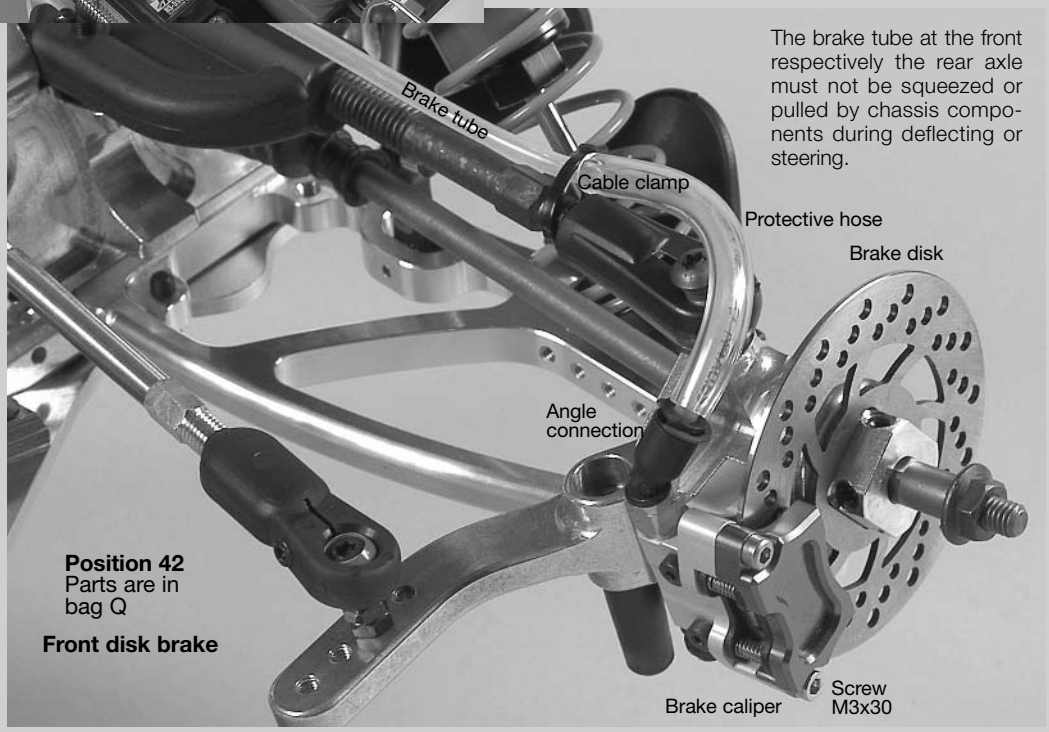
All metric screws need to be secured with screw retention lacquer, pay attention to enclosed brake manual.

1. Mount each one angle connection and one valve each main brake cylinder as described in position 40 and 43. Do not tighten the valves too firm, otherwise the valve seat might be damaged.

2. Mount the main brake cylinders on the chassis plate for the front wheels (right driving direction) respectively the rear wheels (left driving direction) as shown in position 40 and 43.

3. Place the brake disks on the square wheel drivers, then fasten the brake calipers at the uprights using M3x30 screws. Now mount the angle connections and the valves as described in position 42 and 45.

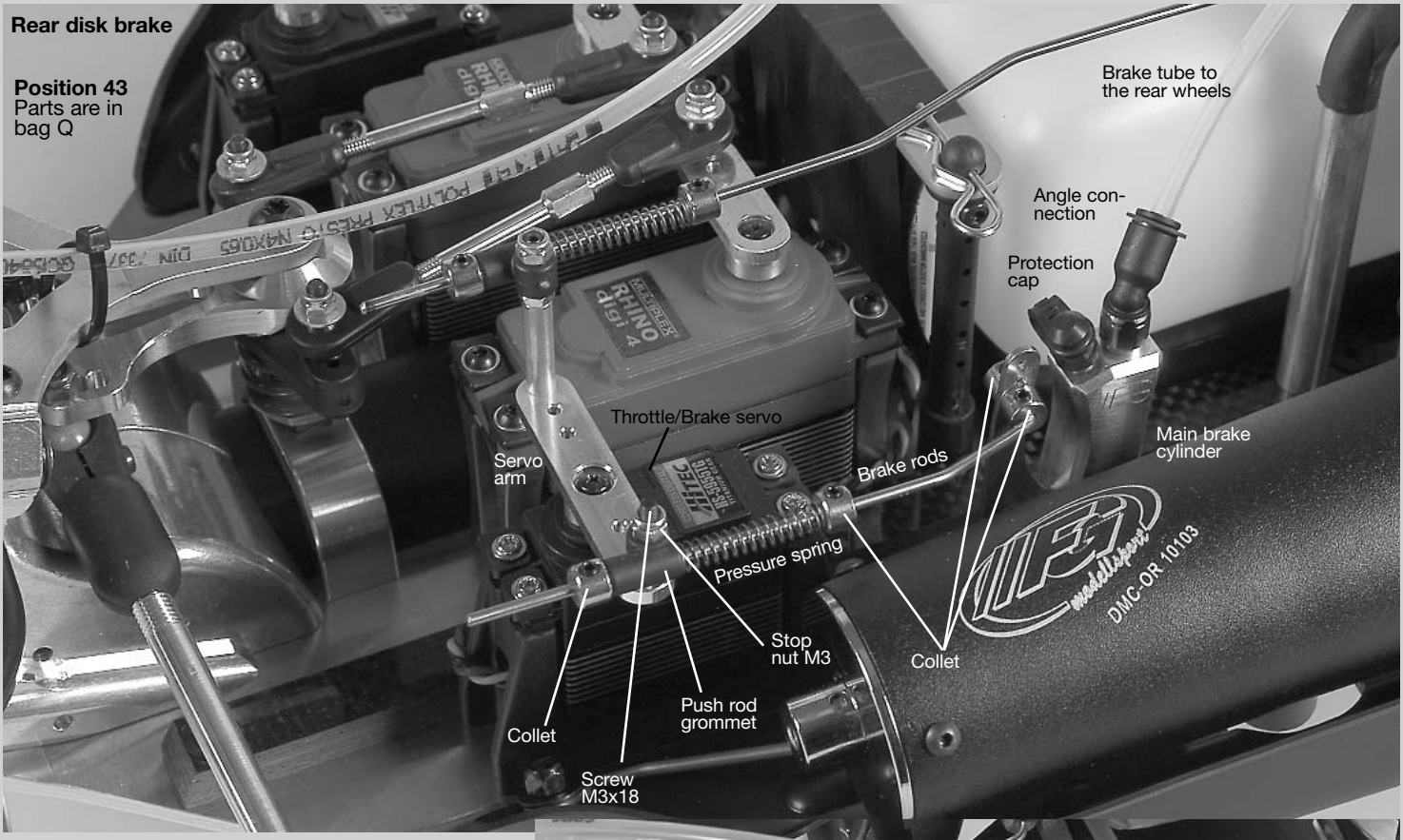
4. Arrange the brake tubes as illustrated. Pay attention to the following when you mount the brake tube: Shorten the brake tube only with a sharp knife or the FG cutting knife Item N°. 09449! Please make sure that the brake tubes to front respectively rear axle are long enough and allow the full steering angle (frant axle) respectively spring defection. Press the brake tubes completely into the T-pieces respectively angle connections. Don't lay the brake tubes too close at hot vehicle components as exhaust manifold or silencer.



The brake tube at the front respectively the rear axle must not be squeezed or pulled by chassis components during deflecting or steering.

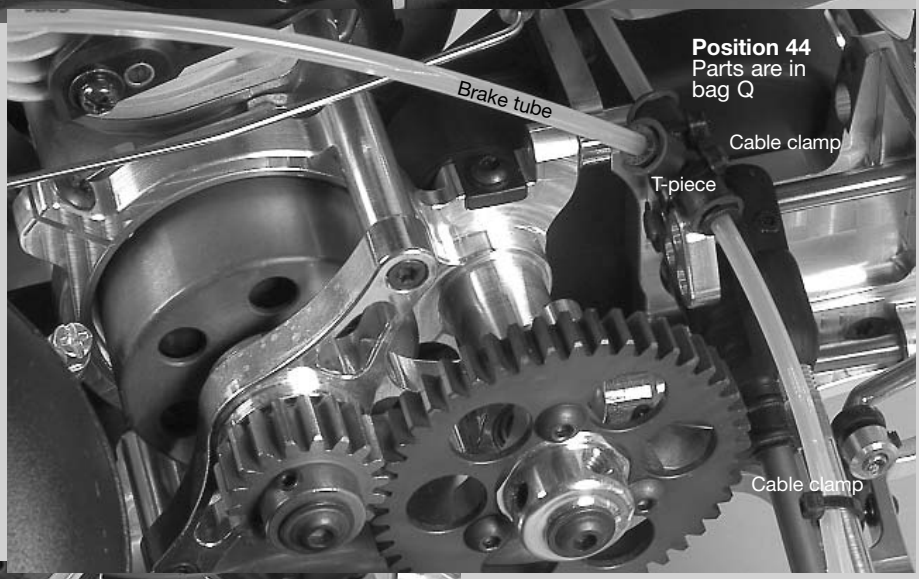
Rear disk brake

Position 43
Parts are in bag Q

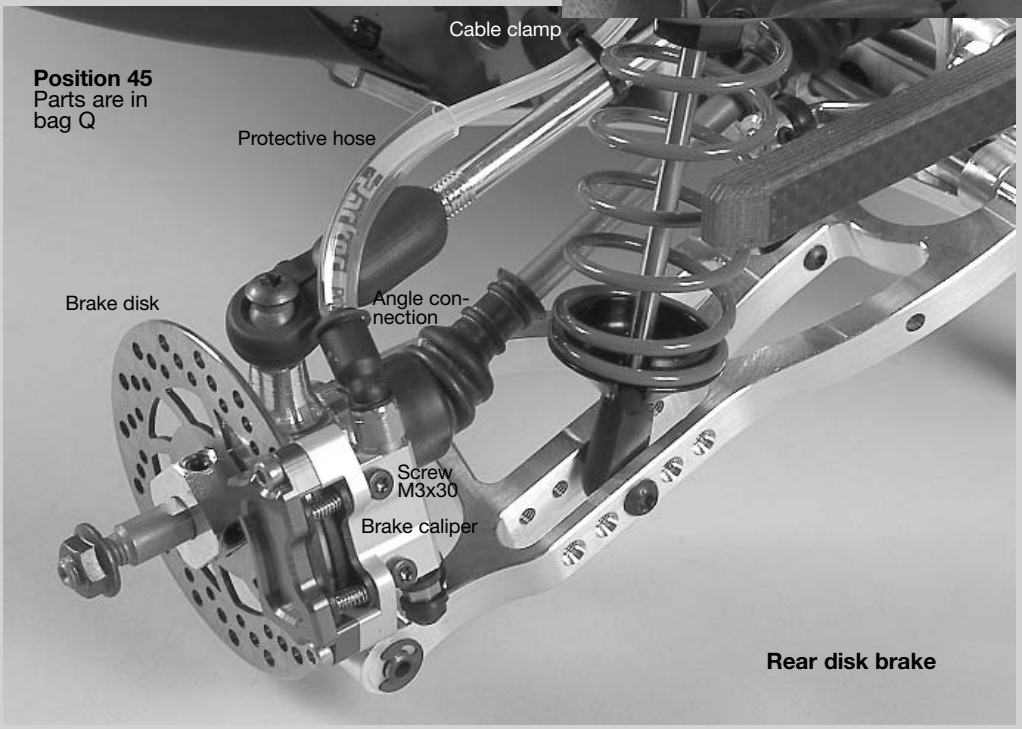


The brake tube at the front respectively the rear axle must not be squeezed or pulled by chassis components during deflecting or steering.

Position 44
Parts are in bag Q



Position 45
Parts are in bag Q



5. Install the brake rods with pressure spring and collets as described in position 40 and 43. Left side in driving direction for the rear axle, right side for the front axle. According to the mounting height and the size of the servos the brake rods need to be bent slightly towards the main brake cylinder. Bend the brake rods according to the circumstances. Nevertheless it should run smoothly and should not touch anywhere.

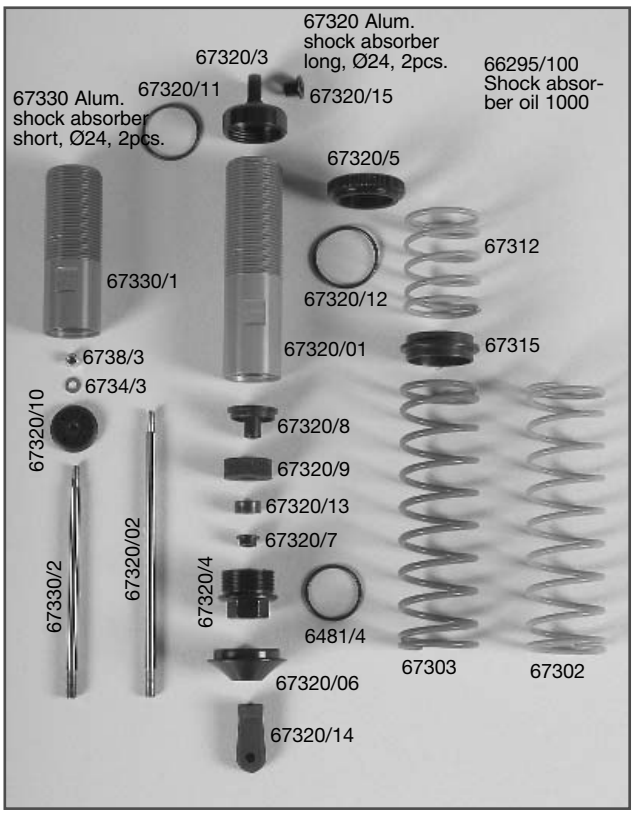
6. Fill and bleed the brake system. For filling and bleeding please refer to the enclosed brake manual.

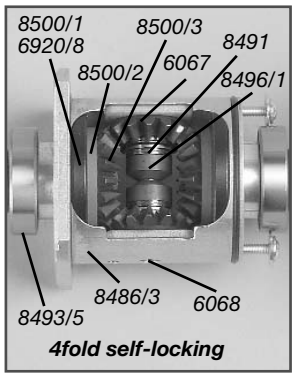
7. Place rubber protective caps on the valves.

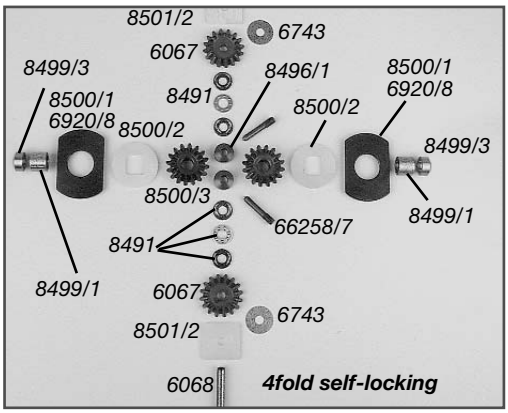
8. Impress securing rings into the angle connections and T-pieces

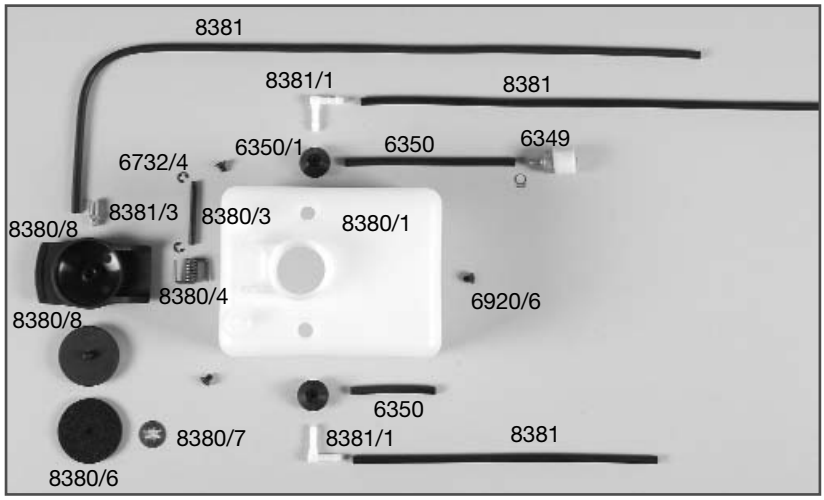
Exploded view for
Leopard 4 Competition, Item N°. 67000

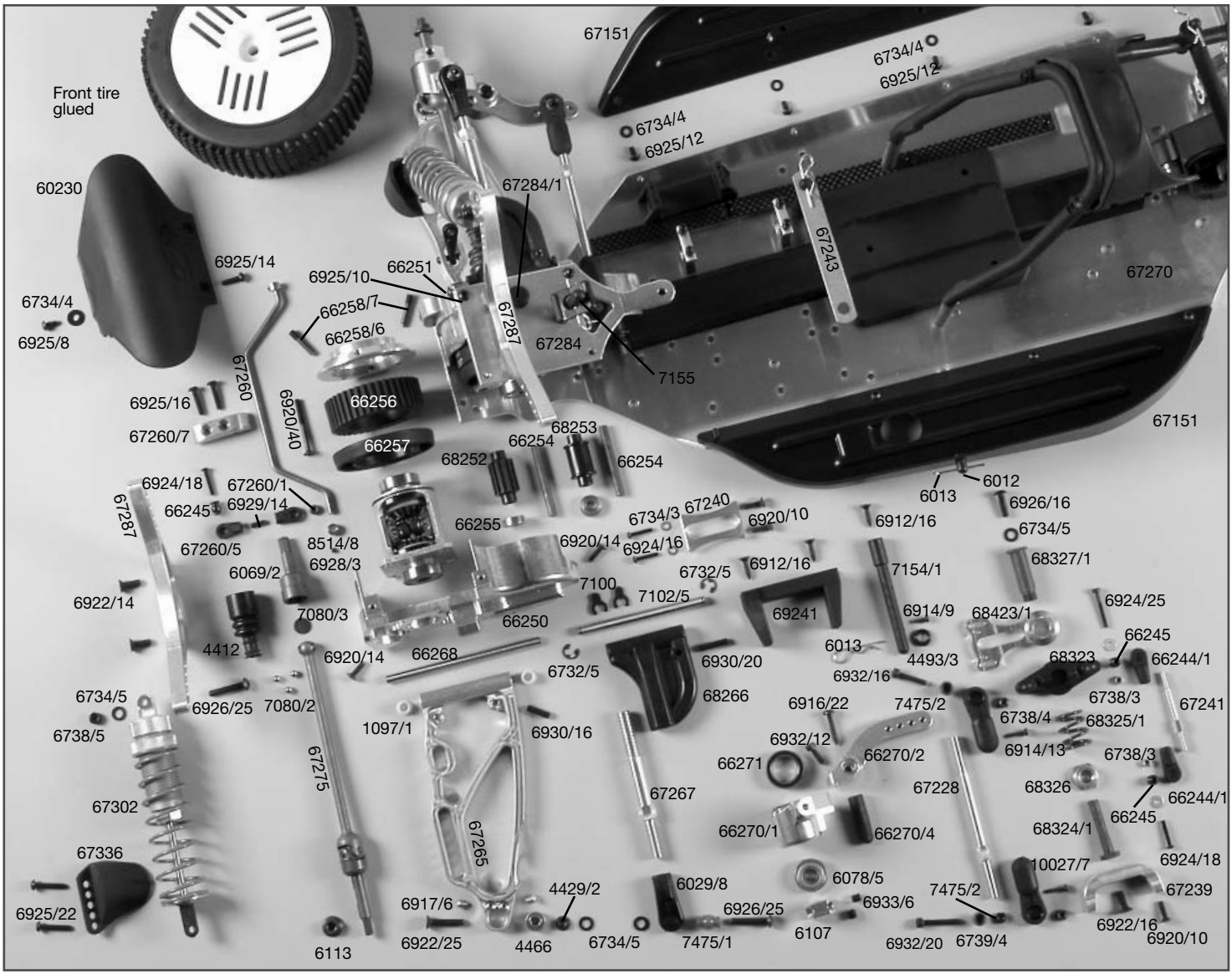
E.67000-290710

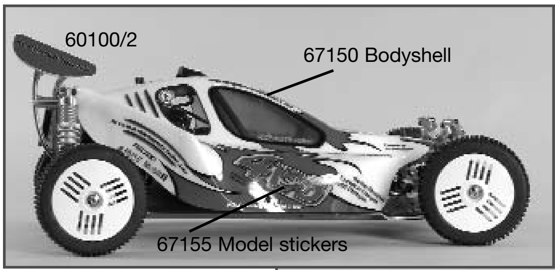


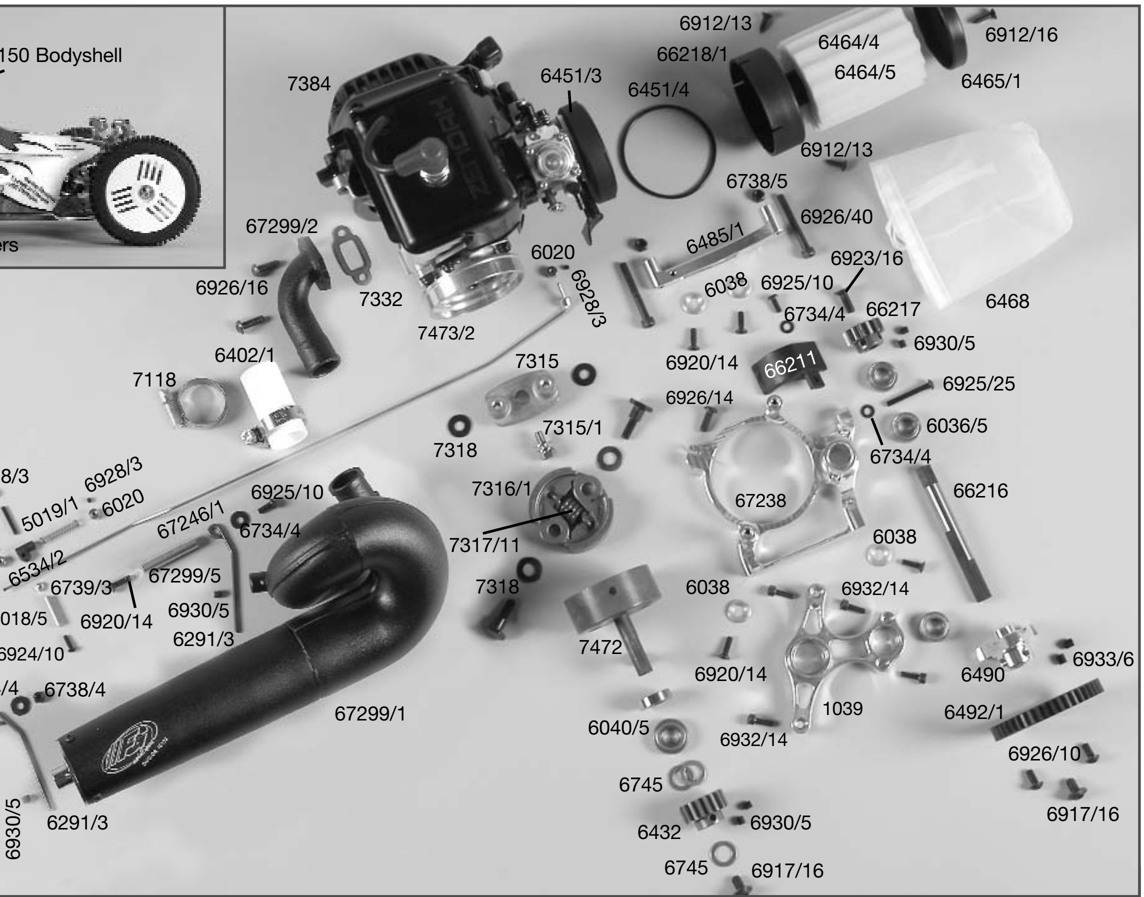









60100/2
67150 Bodyshell
67155 Model stickers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6912/16
66218/1
6464/4
6464/5
6465/1
7384
6451/3
6451/4
6912/13
6738/5
6926/40
67299/2
6485/1
6923/16
6020
6928/3
6926/16
7332
6038
6925/10
6468
7473/2
6734/4
66217
6930/5
6402/1
6920/14
66211
7118
7315
6925/25
6926/14
7315/1
6036/5
7318
6734/4
6738/3
6928/3
7316/1
66216
5019/1
6020
6925/10
67238
67246/1
6734/4
7317/11
6534/2
6038
67299/5
6739/3
7318
6038
6932/14
1018/5
6920/14
6930/5
6291/3
6924/10
7472
6490
6933/6
6920/14
6734/4
6738/4
1039
6492/1
67299/1
6040/5
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6291/3
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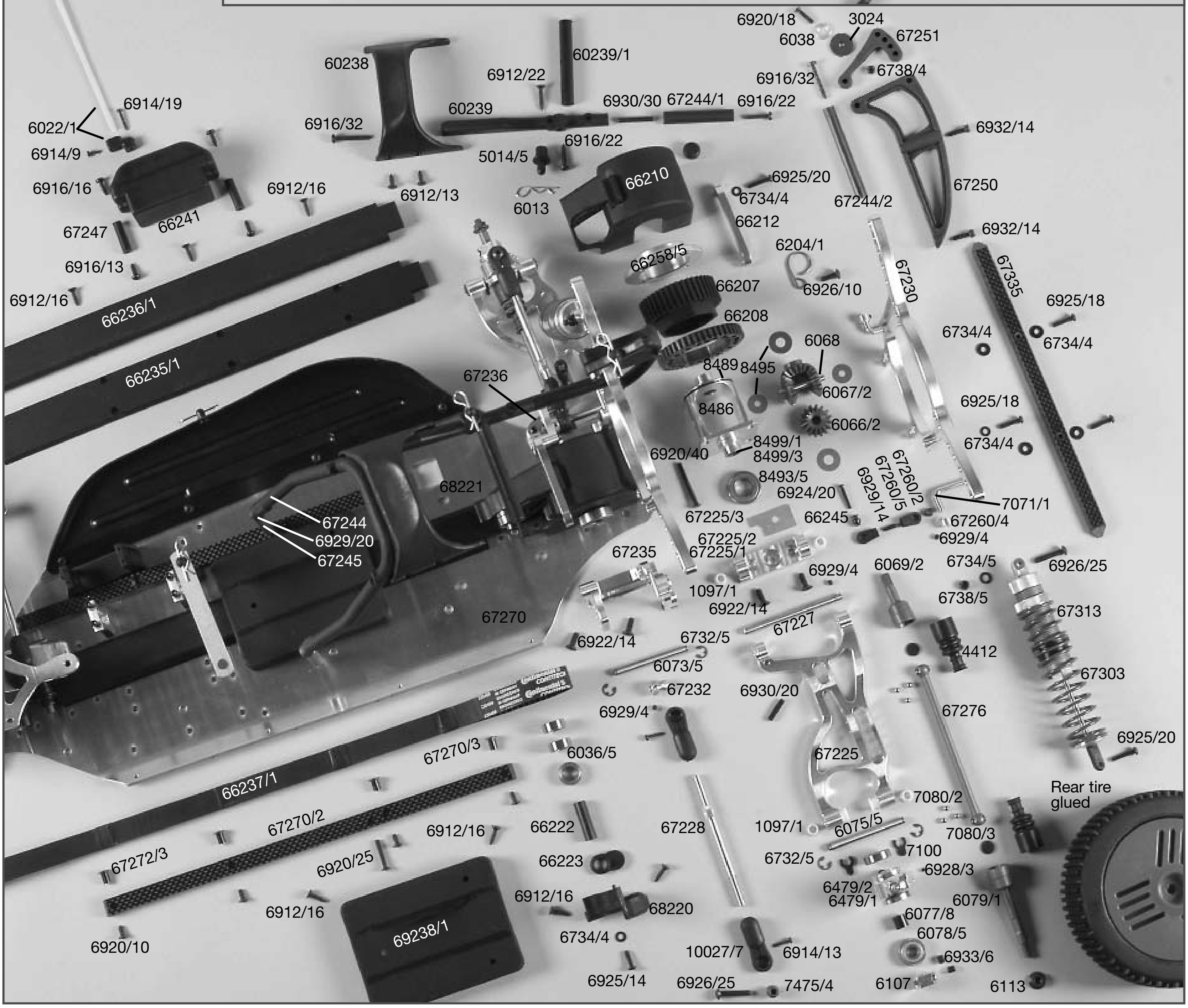
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6916/32
6738/4
6914/19
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67244/1
6916/22
6022/1
6916/32
6932/14
6914/9
6916/22
5014/5
6916/16
66210
6925/20
6912/16
6912/13
6734/4
67244/2
67250
6013
67247
66241
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6932/14
6204/1
6916/13
66258/5
67230
67335
6912/16
66207
6926/10
6925/18
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66208
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6068
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8495
67236
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8486
6925/18
6066/2
6734/4
6920/40
8499/1
8499/3
67260/2
67260/5
6929/14
68221
8493/5
6924/20
7071/1
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66245
67260/4
67225/3
6929/20
67225/2
6929/4
67245
67235
67225/1
6734/5
6926/25
6929/4
6069/2
1097/1
6738/5
67313
67270
6922/14
67227
6922/14
6732/5
4412
6073/5
67303
6930/20
67232
67276
6929/4
6925/20
67225
6036/5
67270/3
Rear tire glued
66237/1
7080/2
67270/2
6912/16
66222
67228
1097/1
6075/5
7080/3
67272/3
66223
6732/5
7100
6920/25
6928/3
6479/2
6479/1
6079/1
6912/16
6912/16
68220
6077/8
69238/1
6078/5
6920/10
6734/4
10027/7
6914/13
6933/6
6925/14
6926/25
7475/4
6107
6113

Spare parts list for Item N°. 67000

Leopard 4 Competition
Stand 29.07.10

Item N°.	Description
01018/05	Alum. distance bolt Ø5x20mm, 1pce.
01039	Alum. gear plate EVO/Comp., 1pce.
01097/01	Guide bush with collar, 6pcs.
03024	Plastic disks, 4pcs.
04412	Protective bellow for dogbones, 2pcs.
04429/02	Taper disk 5mm boring, 4pcs.
04466	Ball-type nipple f. alum. wishbone, 2pcs
04493/03	O-rings f. servo saver Ø6x3, 4pcs.
05014/05	Bolt for battery holder, 2pcs.
05019/01	Pressure spring 0,4x5x25mm, 2pcs.
06012	Body bolts, 4pcs.
06013	Body clips, 10pcs.
6020	Collets 2,1 mm, 5pcs.
06022/01	Flexible aerial and mount, 1pce.
06029/08	Ball-and-socket joint for M8, 4pcs.
06036/05	FG ball bearing 10x19x7 w. grease filling, 2pcs.
06038	Engine mount washers, 4pcs.
06040/05	FG ball bearing 10x22x6 w. grease filling, 2pcs.
06066/02	Diff. gearwheel A reinforced, 2pcs.
06067	Differential gearheel B, 2pcs.
06067/02	Diff. gearwheel B reinforced, 2pcs.
06068	Bevel differential gear axle, 1pce.
06069/02	Ball diff. axle, 1pce.
06073/05	Wishbone pin hardened 6x63mm, 2pcs.
06075/05	Wishbone pin hardened 6x65mm, 2pcs.
06077/08	Distance bush for rear upright, 2pcs.
06078/05	FG ball bearings 8x22x7 w. grease filling, 2pcs.
06079/01	Ball driving axle, 1pce.
06107	Alum. square wheel driver 9,5mm/M6, 2pcs.
06113	Wheel nuts M6, self-locking, 10pcs.
06204/01	Mount for pull starter, 1pce.
06291/03	Fastening wire f. Tuning pipe, 2pcs.
06349	Pendulum, 1pce.
06350	Fuel tube black, 1pce.
06350/01	Rubber gaskets, 2pcs.
06402/01	Exhaust hose 21x25x50, 1pce.
06432	Steel gearwheel 18 teeth, 1pce.
06451/03	Air filt. adapt.f. Zen.G230/260,CY, 1pce.
06451/04	O-rings f. air filter adapt.19x1,5/ 57x2,5 , 2pcs.
06464/04	Foam filter, 2pcs.
06464/05	Foam filter oiled, 2pcs.
06465/01	Filter cover, 1pce.
06468	Preliminary filter f. inlet air filter, 1pce.
06479/01	Rear alum. 08 upright, left, 1pce.
06479/02	Rear alum. 08 upright, right, 1pce.
06481/04	O-ring 20x1,5mm, 4pcs.
06485/01	Alum. eng. mount sm. 1:6/Zen. G230/260, 1pce.
06490	Alum. gearwheel adapter, 1pce.
06492/01	Steel gearwheel 46 teeth, 1pce.
06534/02	Throttle pivot post 2,1 mm, set
06732/04	Retaining washers-spring steel 4mm, 15pcs.
06732/05	Retaining washers-spring steel 5mm, 15pcs.
06734/03	Washers, steel 3.2mm, 15pcs.
06734/04	Washers, steel 4.3mm, 15pcs.
06734/05	Washers, steel 5.3mm, 15pcs.
06738/03	Self-locking hexagon nut, M3, 15pcs.
06738/04	Self-locking hexagon nut, M4, 15pcs.
06738/05	Self-locking hexagon nut, M5, 15pcs.
06739/03	Hexagon nut M3, 15pcs.
06739/04	Hexagon nut M4, 15pcs.
06743	Shim rings 5x17x0,1mm, 10pcs.
06745	Shim rings 10x16x1mm, 10pcs.
06912/13	Counters. sheet met. screw w. Torx 4,2x13, 20pcs.
06912/16	Counters. sheet met. screw w. Torx 4,2x16, 20pcs.
06912/22	Counters. sheet met. screw w. Torx 4,2x22, 20pcs.
06914/09	Pan-head sheet met. screw w. Torx 2,9x9,5, 15pcs.
06914/13	Pan-head sheet met. screw w. Torx 2,9x13, 15pcs.
06914/19	Pan-head sheet met. screw w. Torx 2,9x19, 15pcs.
06916/13	Pan-head sheet met. screw w. Torx 4,2x13, 15pcs.
06916/16	Pan-head sheet met. screw w. Torx 4,2x16, 15pcs.
06916/22	Pan-head sheet met. screw w. Torx 4,2x22, 15pcs.
06916/32	Pan-head sheet met. screw w. Torx 4,2x32, 15pcs.
06917/06	Pan-head flange screw w. Torx M3x6, 10pcs.
06917/08	Pan-head flange screw w. Torx M3x8, 10pcs.
06917/16	Pan-head flange screw w. Torx M6x10, 5pcs.
06920/06	Countersunk screw w. Torx M4x6, 10pcs.
06920/08	Countersunk screw w. Torx M4x8, 10pcs.
06920/10	Countersunk screw w. Torx M4x10, 10pcs.
06920/14	Countersunk screw w. Torx M4x14, 10pcs.
06920/18	Countersunk screw w. Torx M4x18, 10pcs.
06920/25	Countersunk screw w. Torx M4x25, 10pcs.
06920/40	Countersunk screw w. Torx M4x40, 10pcs.
06922/14	Countersunk screw w. Torx M5x14, 10pcs.
06922/16	Countersunk screw w. Torx M5x16, 10pcs.
06922/25	Countersunk screw w. Torx M5x25, 10pcs.
06923/16	Countersunk screw w. Torx M6x16, 10pcs.
06924/10	Pan-head screw w. Torx M3x10, 10pcs.
06924/16	Pan-head screw w. Torx M3x16, 10pcs.
06924/18	Pan-head screw w. Torx M3x18, 10pcs.
06924/20	Pan-head screw w. Torx M3x20, 10pcs.
06924/25	Pan-head screw w. Torx M3x25, 10pcs.
06925/08	Pan-head screw w. Torx M4x8, 10pcs.
06925/10	Pan-head screw w. Torx M4x10, 10pcs.
06925/12	Pan-head screw w. Torx M4x12, 10pcs.
06925/14	Pan-head screw w. Torx M4x14, 10pcs.
06925/16	Pan-head screw w. Torx M4x16, 10pcs.
06925/18	Pan-head screw w. Torx M4x18, 10pcs.
06925/20	Pan-head screw w. Torx M4x20, 10pcs.
06925/22	Pan-head screw w. Torx M4x22, 10pcs.
06925/25	Pan-head screw w. Torx M4x25, 10pcs.
06926/10	Pan-head screw w. Torx M5x10, 10pcs.
06926/16	Pan-head screw w. Torx M5x16, 10pcs.
06926/25	Pan-head screw w. Torx M5x25, 10pcs.
06926/40	Pan-head screw w. Torx M5x40, 10pcs.
06928/03	Headless pin w. Torx M3x3, 15pcs.
06929/04	Headless pin w. Torx M4x4, 15pcs.
06929/14	Headless pin w. Torx M4x14, 15pcs.
06929/20	Headless pin w. Torx M4x20, 15pcs.
06930/05	Headless pin w. Torx M5x5, 15pcs.
06930/16	Headless pin w. Torx M5x16, 15pcs.
06930/20	Headless pin w. Torx M5x16, 15pcs.
06930/30	Headless pin w. Torx M5x30, 15pcs.
06932/12	Socket head cap screw w. Torx M4x12, 10pcs.
06932/14	Socket head cap screw w. torx M4x14, 10pcs.
06932/16	Socket head cap screw w. torx M4x16, 10pcs.
06932/20	Socket head cap screw w. Torx M4x20, 10pcs.
06933/06	Headless pin w. Torx M6x6, 15pcs.
07071/01	Stabilizer 5mm rear, 1pce.
07080/02	Balls f. driving shaft, 6pcs.
07080/03	Distance disks, 4pcs.
07100	Adjusting clips for front axle 16pcs.
07102/05	Front wishbone pin hardened 6x87mm, 2pcs.
07118	Hose clamps, 3pcs.
07154/01	Body mount 80mm, adjustable, 1pce.
07155	Body mount 54mm, adjustable, 1pce.
07315	Clutch block carrier, 1pce.
07315/01	Screw for carrier/Zenoah, 1pce.
07316/01	Tuning-clutch blocks / Zenoah, 2pcs.
07317/11	Clutch spring Ø2,7/G230/240/260/270, 1pce.
07318	Dowel screws f.clutch blocks/Zenoah, 2pcs.
07332	Silencer gasket, 2pcs.
07384	FG Zenoah engine G260RC
07472	Tuning clutch bell hardened, 1pce.
07473/02	Engine flange f. engine quick fix., 1pce.
07475/01	Alum. joint ball Ø 5/10x15mm, 2pcs.
07475/02	Alum. joint ball Ø10x10,75mm, 2pcs.
07475/04	Alum. joint ball Ø 10x13mm, 2pcs.
08380	Fuel tank with snap closure, 1pce.
08380/01	Tank, 1pce.
08380/03	Fastening pin f. tank cap, 1pce.
08380/04	Torsion spring f. tank cap, 1pce.
08380/06	Tank gasket, 2pcs.
08380/07	Safety ring, 2pcs.
08380/08	Tank cap/pressure plate w. ventilation, each 1pce.
08381	Fuel hose black 1,5m, 1pce.
08381/01	90° connection, 2pcs.
08381/03	Vent nipple M5, 1pce.
08486	Alum. differential housing, 1pce.
08486/03	Alum. diff.housing,fourfold,self-lock., 2010, 1pce.
08489	O-rings, 2 pcs.
08491	Thrust ball bearing 5x12x4, 1pce.
08493/05	FG ball bearing 15x28x7w. grease filling, 2pcs.
08495	FG ball bearing 15x28x7w. grease filling, 2pcs.
08496/01	Pressure disk, 2pcs.
08499/01	Needle bearing for differential, 2pcs.
08499/03	Steel bush 8x12x5, 2pcs.
08500/01	Stop plate, 2pcs.
08500/02	Friction disk, 2pcs.
08500/03	Diff. gearwheel, self-locking, 2pcs.
08501/02	Stop disk, 2pcs.
08514/08	Collet set 4mm, 4pcs.
09438	Hydr. brake f. front a. rear axle, set
10027/07	Ball-and-sock. joint 10mm M7, length., 4pcs.
60100/02	Rear spoiler white, 1pce.
60230	Front bumper Baja, 1pce.
60238	Plug protection, 1pce.
60239	Plastic brace long, 2pcs.
60239/01	Plastic brace short, 2pcs.
66207	Plastic gear disk rear 42t. 4WD, 1pce.
66208	Steel gear wheel 48t. 4WD, 1pce.
66210	Rear axle cover 4WD, 1pce.
66211	Gear wheel protection 4WD, 1pce.
66212	Alum. connection rod gear 4WD, 1pce.
66216	Tun. gear shaft hardened 4WD, 1pce.
66217	Steel gear wheel 14t. narrow, 1pce.
66218/01	Basic body f. inlet silencer, 1pce.
66222	Bearing shaft f. tension. pulley housing 4WD, 1pce.
66223	Plastic bearing seat 4WD, 2pcs.
66235/01	Lower part belt channel, 530, 1pce.
66236/01	Upper part belt channel, 530, 1pce.
66237/01	Toothed belt 15mm, 530, 1pce.
66241	Receiver box 4WD, 1pce.
66244/01	Ball-and-socket joint 7mm f.M4, 30mm, 8pcs.
66245	Steel ball 7mm, 4pcs.
66250	Alum. front axle housing left 4WD, 1pce.
66251	Alum. front axle housing right 4WD, 1pce.
66254	Bearing shaft, 6x50mm, 1pce.
66255	Ball bearing 6x15x5, 4pcs.
66256	Front plastic toothed belt wheel 42t. 4WD,1pce.
66257	Front plastic stop disk left 4WD, 1pce.
66258/05	Alum. stop disk right 4WD, 1pce.
66258/06	Alum. stop disk ri. 4WD, adjustable, 1pce.
66258/07	Adjusting screw f. 30mm, 2pcs.
66268	Front lower wishbone pin hardened 106mm, 2pcs.
66270/01	Front alum. upright right/left 4WD, 1pce.
66270/02	Front alum. steering lever 4WD, 1pce.
66270/04	Plastic steering stop, shortened, 2pcs.
66271	Ball bearing 17x26x7, 2pcs.
66295/100	Oil for shock absorber 1000, 100ml, 1pce.
67150	Body Leopard 4, 1pce.
67151	ABS-splash guard le./ri. Leopard, 1pair
67155	Model stickers Leopard 4, set
67209/05	Mini Pin M/OR tires, Leo wheel white, glued, 2pcs.
67209/06	Mini Pin H/OR tires, Leo wheel white, glued, 2pcs.
67225	Rear lower alum. wishbone, Leopard 4, 1pce.
67225/01	Alum. wishbone mount 2°, left, 1pce.
67225/02	Alum. wishbone mount 2°, right, 1pce.
67225/03	Aluminium adjustment key 2°, 2pcs.
67227	Wishbone pin hardened 6x85mm, 2pcs.
67228	Wishbone pin hardened 6x85mm, 2pcs.
67230	Rear alum. damper plate, Leopard, 1pce.
67232	Alum. ball collet ring Ø10x15mm, hole 6mm, 2pce.
67235	Alum. rear axle mount left Leopard, 1pce.
67236	Alum. rear axle mount right Leopard, 1pce.
67238	Alum. gear flange engine mount Leopard, 1pce.
67239	Aluminium servo saver bridge Leopard 4, 1pce.
67240	Alum. servo retainer, 2-parts, fixed, 2pcs.
67241	Steering rod r./l., M4 x 56mm, 2pcs.
67243	Aluminium battery brace 87mm, 1pce.
67244	Roll cage short, 1pce.
67244/01	Plastic brace Ø10 x 60mm, 2pcs.
67244/02	Plastic brace Ø10 x 80mm, 2pcs.
67245	Aluminium distance Ø10 x 70mm, 1pce.
67246/01	Throttle rods Leopard 4, set
67247	Distance bolt Ø8 x 38mm, 2pcs.
67250	Wing mount rear Leo, 2pcs.
67251	Adjustment part wing mount, 2pce.
67260	Front stabilizer 4mm, Leopard 4, set
67260/01	Steel ball Ø7 x 5mm, hole 4mm, 2pcs.
67260/02	Steel ball Ø7 x 5mm, hole 5mm, 2pcs.
67260/04	Aluminium collet 5mm, 2pcs.
67260/05	Ball-and-socket joint 7mm, 4pcs.
67260/07	Guide f.front stabi 4mm Leo 4, 2pcs.
67265	Front lower alum. wishbone Leopard, 1pce.
67267	Wishbone thread rod M10/M8 x 108mm, 2pcs.
67270	Alum. chassis Leopard 4, 1pce.
67270/02	CFK chassis stiffening f. Leopard, 2pcs.
67270/03	Insert bush f.chassis stiffening Leopard, 4pcs.
67275	Universal joint f. front axle Leopard compl., 1pce.
67276	Ball driving shaft rear 137mm, 1pce.
67284	Reinforcing plate f.fr.-axle Leopard 4, 1pce.
67284/01	Rubber plug, 2pcs.
67287	Front aluminium damper plate, Leopard, 1pce.
67299	FG Steel-Power Tuning pipe Leopard 4, compl., set
67299/01	FG Steel-Power Tuning pipe Leopard 4, 1pce.
67299/02	Manifold f. Tuning pipe 67299/01, black, 1pce.
67299/05	Aluminium distance Ø8 x 37mm, 1pce.
67302	Damper spring orange, 2,4x105mm, 2pcs.
67303	Damper spring red, 2,5x105mm, 2pcs.
67312	Damper spring orange, 2,4x40mm, 2pcs.
67315	Plastic spring guide Ø25, 2pcs.
67320	Aluminium shock absorber long, Ø24, 2pcs.
67320/01	Alum. shock abs. housing Ø24mm , long,1pce.
67320/02	Threaded piston rod Ø4,5 x 117mm, 1pce.
67320/03	Lower aluminium shock absorber seal, Ø24, 1pce.
67320/04	Upper aluminium shock absorber seal, Ø24, 1pce.
67320/05	Plastic adjustable ring Ø24, 1pce.
67320/06	Alum. spring plate Ø24, 1pce.
67320/07	Plastic bush Ø4,5 / Ø7 x 4mm, 4pcs.
67320/08	Plastic guide disc, 4pcs.
67320/09	Volume compensation Ø20mm, 4pcs.
67320/10	Plastic shock piston, 2pcs.
67320/11	O-ring Ø22 x 1,5mm, 4pcs.
67320/12	O-ring Ø24 x 1,5mm, 4pcs.
67320/13	Sealring Ø4,5mm, 2pcs.
67320/14	Lower shock retaining, tightened, 4pcs.
67320/15	Plastic bush Ø5 / Ø7 x 6,5mm, 4pcs.
67330	Aluminium shock absorber short, Ø24mm, 2pcs.
67330/01	Alum. shock abs. housing Ø24mm , short, 1pce.
67330/02	Threaded piston rod Ø4,5 x 95mm, 1pce.
67335	CFK shock absorver protect, rear, 1pce.
67336	Shock absorver protect le./ri., 2pcs.
68220	Housing f.plastic tensioning pulley left 4WD,1pce.
68221	Housing f.plastic tensioning pulley ri. 4WD,1pce.
68252	Plastic toothed belt wheel 12t. 4WD, 1pce.
68253	Plastic deflection roller 16mm, 1pce.
68266	Front upper plastic wishbone 4WD, 2pcs.
68323	Servo saver A/B, 1pce.
68324/01	Servo saver axle 2010, 1pce.
68325/01	Servo saver spring blue 2,4mm, 1pce.
68326	Nut M10 f. servo saver, 1pce.
68327/01	Tension sleeve f.servo saver 2010, 1pce.
68423/01	Alum. servo saver, part B, 1pce.
69238/01	Lower tank mount, 1:5, 1pce.
69241	Plastic servo retainer small, 1pce.

Ersatzteilliste für
7300/9 Zenoahmotor G230RC/04
7384 Zenoahmotor G260RC

7301/8 Kurbelgehäuse A+B, 1 St.
7303/8 Dichtring, 2 St.
7304/2 Kugellager, 2 St.
7305/8 Kurbelgehäusedichtung, 1 St.
7306/8 Zylinder-Fußdichtung, 1 St.
7307/9 Zylinder G230/04,1St.
7307/10 Tun.-Zylinder f. FG Zenoah02 ,1St.
7308/9 Kolben G230/04, 1 St.
7309/9 Kolbenring G230/04, 1 St.
7310 Kolbenbolzen, 1 St.
7311 Kolbenbolzensicherung, 2 St.
7312 Nadellager kompl., 1 St.
7312/1 Zentrierscheiben f. Nadellager, 2 St.
7313/8 Kurbelwelle kompl., 1 St.
7313/1 Keil für Kurbelwelle, 1 St.
7314 Sechskantmutter, 1 St.
7315 Mitnehmer f. Kuppl.-Backen, 1 St.
7315/1 Schraube f.Mitnehmer, 1 St.
7316 Kupplungsbacken, 2 St.
7317/8 Kupplungsfeder, 1 St.
7318 Passschrauben f. K.-Backen 2 St.
7319/8 Lüfterrad/G230/260RC,CY, 1St.
7323/8 Seilzugstartv. kpl./G230/260RC,CY,1St
7323/9 Startergehäuse/G230/260RC,CY, 1St.
7323/10 Federkassette /G230/260RC,CY, 1St.
7323/11 Seilrolle/G230/260RC,CY, 1St.
7323/12 Starterseil/G230/260RC,CY, 1St.
7323/13 Startergriff/G230/260RC,CY, 1St.
7323/14 Starterklinke/G230/260RC,CY, 1St.
7323/15 Druckfeder/G230/260RC,CY, 1St.
7323/16 Schraube/ Scheib./ G230/260RC,CY, 3St.
7326/8 Sicherungsring/G230/260RC,CY, 1St.
7328/2 Zündkerzenstecker, 1 St.
7328/8 Zündspule/ G230/260RC,CY, 1St.
7330/8 Schrauben f.Schalld.M5x60/Zen.,CY 2St.
7332 Schalldämpferdichtung /Zenoah,CY, 2St.
7334/8 Schraubensatz-Motor, Set
7335 Dichtung f. Isolator /Zenoah,CY, 1St.
7336 Isolator, 1 St.
7337 Dichtung f. Vergaser /Zenoah,CY, 1St.
7339/8 Vergaserschrauben/ G230/260RC,CY, 2St.
7340/8 Aus-Schalter/ G230/260RC,CY, 1St.
7341/8 Motorgehäuse A, 1 St.
7342/8 Motorgehäuse B, 1 St.
7343/8 Zündkerze/ G230 RC,CY, 1St.
7344/8 Kabeldurchführung/ G230/260RC,CY, 1St.
7354/8 Distanzstück/ G230 RC,CY, 1St.
7355/8 Vergaser/ G230/260RC,CY, 1St.
7356/8 Luftfilter/G230/260RC,CY,kompl., 1St.
7357 Luftfilter-Einsatz / Zenoah,CY, 2St.
7361/8 Vollgasdüsennadel/ Feder, 2 St.
7362/9 Leerlaufdüsennadel/ Feder G230/04, 2 St.
7363 Membrane-Satz, 2 St.
7364 Vergaserdeckel, 1 St.
7365 Standgasschraube/ Feder, 2 St.
7365/9 Standgasschr./Feder G230/260RC04, 2St.
7366/8 Drosselklappenwelle m. Schraube, 2 St.
7367/8 Drosselklappe, 1 St.
7368 Schenkelfeder, 1 St.
7370 Membrane-Satz, 2 St.
7371 Kunststoffteil m. Vergaser-Nippel, 1 St.
7372 Metallteil f. Pumpe, 1 St.
7372/1 Schrauben für Metallteil, 4 St.
7373 Pumpe, 1 St.
7374 Vergaserhebel, 1 St.
7375 Schraube f. Vergaserhebel, 1 St.
7377/8 Choke-Welle m. Schraube, 2 St.
7378/8 Choke-Klappe, 1 St.
7379/8 Choke-Hebel, 2 St.
7385/1 Zylinder 26 ccm, 1 St.
7385/2 Kolben 26 ccm, 1 St.
7385/3 Kolbenring 26 ccm, 1 St.
7385/4 Kolbenbolzen 26 ccm, 1 St.
8344/1 Kuppl.-Flansch Zenoah liegend, 1 St.
8345 Kuppl.-Flansch Zenoah stehend, 1 St.

Spare parts list for
7300/9 Zenoah engine G230RC/04
7384 Zenoah engine G260RC

7301/8 Crank case housing A+B, 1 pce.
7303/8 Seal ring, 2 pcs.
7304/2 Bearings, 2 pcs.
7305/8 Crankshaft gasket, 1 pce.
7306/8 Cylinder gasket, 1 pce.
7307/9 Cylinder G230/04, 1 pce.
7307/10 Tun.-Cylinder f. FG Zenoah 02, 1 pce.
7308/9 Piston G230/04, 1 pce.
7309/9 Piston ring G230/04, 1 pce.
7310 Gudgeon pin, 1 pce.
7311 Gudgeon pin clips, 2 pcs.
7312 Needle bearing, 1 pce.
7312/1 Spacer washer, 2 pcs.
7313/8 Crankshaft complete, 1 pce.
7313/1 Key for crankshaft, 1 pce.
7314 Hexagon nut, 1 pce.
7315 Clutch block carrier, 1 pce.
7315/1 Screw for carrier, 1 pce.
7316 Clutch blocks, 2 pcs.
7317/8 Clutch spring, 1 pce.
7318 Dowel screws f. clutch blocks, 2 pcs.
7319/8 Cooling fan/G230/260RC,CY, 1pce.
7323/8 Pull start unit/G230/260RC,CY, 1pce.
7323/9 Starter hous./G230/260RC,CY, 1pce.
7323/10 Spring assem./G230/260RC,CY, 1pce.
7323/11 Rope pulley/G230/260RC,CY, 1pce.
7323/12 Rope/G230/260RC,CY, 1pce.
7323/13 Starter handle/G230/260RC,CY, 1pce.
7323/14 Starter ratchet/G230/260RC,CY, 1pce.
7323/15 Press. spring/G230/260RC,CY, 1pce.
7323/16 Screw,disks/G230/260RC,CY, 3pcs.
7326/8 Securing ring/G230/260RC,CY, 1pce.
7328/2 Spark plug cap, 1pce.
7328/8 Ignition coil/G230/260RC,CY, 1 pce.
7330/8 Scews f.silencer M5x60/Zen.,CY,2pcs.
7332 Silencer gasket /Zenoah,CY, 2pcs.
7334/8 Screw set engine
7335 Insulator gasket/Zenoah,CY, 1pce.
7336 Insulator, 1 pce.
7337 Carburetor gasket/Zenoah,CY, 1pce.
7339/8 Screws f.carb./G230/260RC,CY, 2pcs.
7340/8 Circuit breaker/G230/260RC,CY,1pce.
7341/8 Engine housing A, 1 pce.
7342/8 Engine housing B, 1 pce.
7343/8 Spark plug G230 RC,CY, 1pce.
7344/8 Cable bush./G230/260RC,CY, 1pce.
7354/8 Spacer block/G230RC,CY, 1 pce.
7355/8 Carburetor/G230/260RC,CY, 1pce.
7356/8 Air filter/G230/260RC,CY, 1pce.
7357 Air filter foam, Zenoah,CY 2pcs.
7361/8 Needle(full-speed)/ spring, 2 pcs.
7362/9 Needle(idle speed)/spring G230/04,2pcs.
7363 Diaphragm, 2 pcs.
7364 Carburetor cover, 1 pce.
7365 Throttle screw /spring, 2 pcs.
7366/8 Valve, 1 pce.
7368 Leg spring, 1 pce.
7370 Diaphragm set, 2 pcs.
7371 Plastic part with carb. nipple, 1 pce.
7372 Metal part f. pump, 1 pce.
7372/1 Screws f. metal part, 4 pcs.
7373 Pump, 1 pce.
7374 Carburetor arm, 1 pce.
7375 Screw f. carburetor arm, 1 pce.
7377/8 Choke shaft w. screw, 2 pcs.
7378/8 Choke flap, 1 pce.
7379/8 Choke lever, 2 pcs.
7385/1 Cylinder 26 ccm, 1 pce.
7385/2 Piston 26 ccm, 1 pce.
7385/3 Piston ring 26 ccm, 1 pce.
7385/4 Gudgeon pin 26 ccm, 1 pce.
8344/1 Coupling flange Solo/Zeno horizontal
8345 Coupling flange Zenoah vertical

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