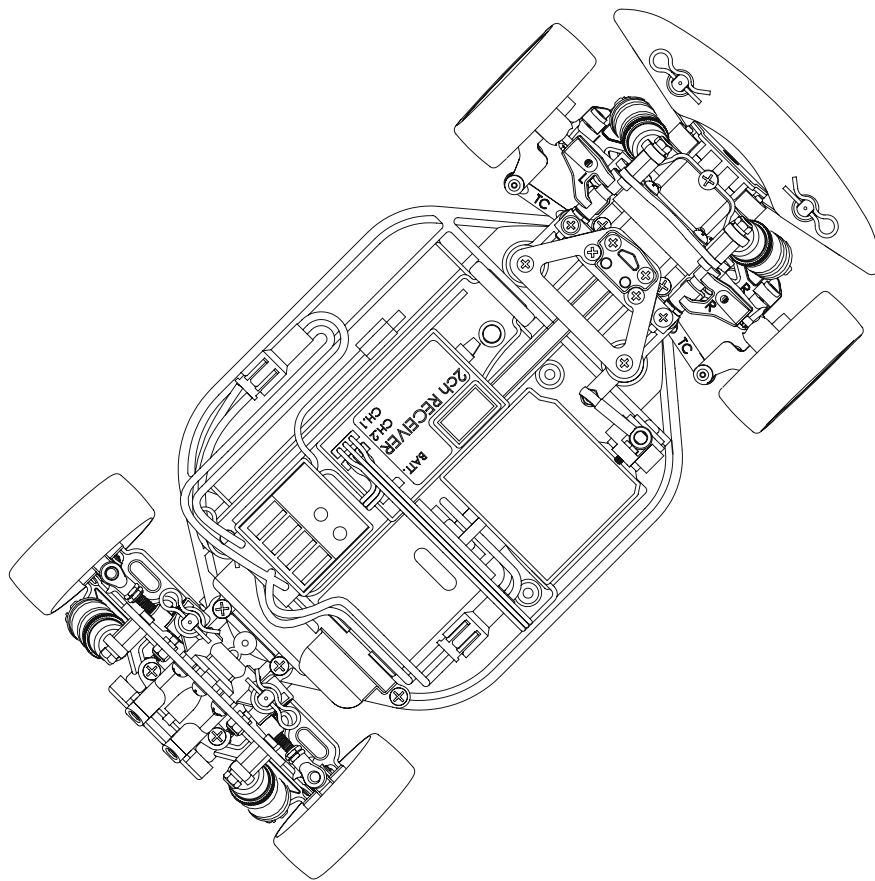


# S18.TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

## GEBRAUCHSANWEISUNG INSTRUCTION MANUAL



### LRP S18 TOURING CAR

### 1:18 HIGH PERFORMANCE 4WD ELECTRIC TOURING CAR

Sehr geehrter Kunde,

vielen Dank für Ihr Vertrauen in dieses LRP Produkt. Mit dem Kauf des LRP S18 TC haben Sie sich für einen Mini Tourenwagen im Maßstab 1/18 entschieden, der seinen 1/10 Vorbildern in nichts nachsteht. Extrem schnell, präzise und wendig ist der LRP S18 TC auf jeder Rennstrecke dieser Welt zu Hause. Getreu dem LRP Motto „Blue is better“ garantiert der LRP S18 TC puren Fahrspaß bei der Jagd nach der besten Rundenzeit.

Dear customer,

thank you for your trust in this LRP product. By purchasing this LRP S18 TC you have chosen a 1/18 scale mini touring car based on the model of its 1/10 idols. Extremely fast, precise and agile, any race track worldwide is the territory of the LRP S18 TC. In keeping with the LRP motto “Blue is better”, the LRP S18 TC guarantees pure driving fun on the prowl for the best lap times.

# LRP

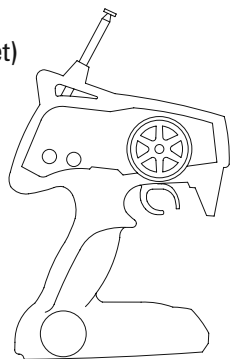
*Racing*  
**ANDERSON**

# S18-TC

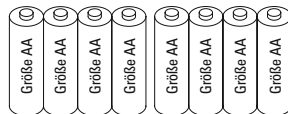
LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

## Benötigtes Zubehör Equipment Needed

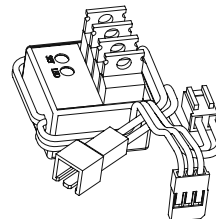
2-Kanal Fernsteueranlage  
(im RTR-Set enthalten)  
2-Channel Radio Set  
(included in the RTR-set)



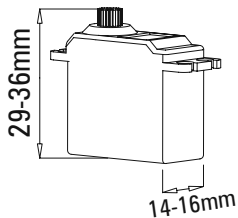
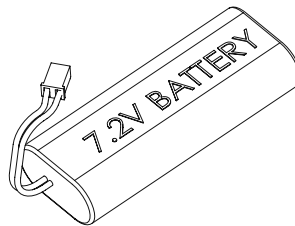
8 Batterien/Akkus für Sender Größe AA  
(im RTR-Set enthalten)  
8 Batteries for transmitter AA-Size  
(included in the RTR-set)



Elektronischer Fahrtenregler  
(im RTR-Set enthalten)  
Electronical Speed Control  
(included in the RTR-set)

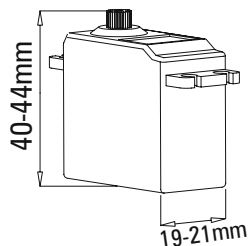


7,2V 6-Zellen Fahrakku  
(im RTR-Set enthalten)  
7,2V 6-cell Battery  
(included in the RTR-set)



Micro Servo

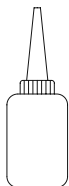
oder



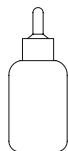
Standard Servo  
(im RTR-Set enthalten)  
(included in the RTR-set)

## Benötigtes Werkzeug / Recommended Tools

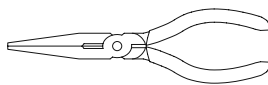
Sekundenkleber  
Superglue



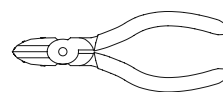
Öl / Fett  
Oil / Grease



Spitzzange  
Needle Nosed Plier



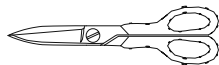
Seitenschneider  
Side Cutter



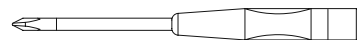
Modellbaumesser  
Hobby Knife



Kleine Schere  
Small Scissors



Schraubendreher  
Screwdriver



4.5mm Steckschlüssel  
4.5mm Nut Driver



# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

**1**

Differential vorne und hinten  
Front and rear Gear Differential

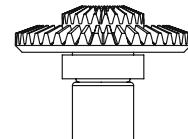
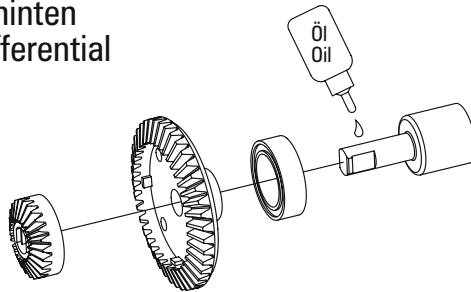


.....2

8x12mm Kugellager  
8x12mm Ball Bearing



Tüte A  
Bag A



x2

**2**

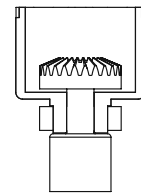
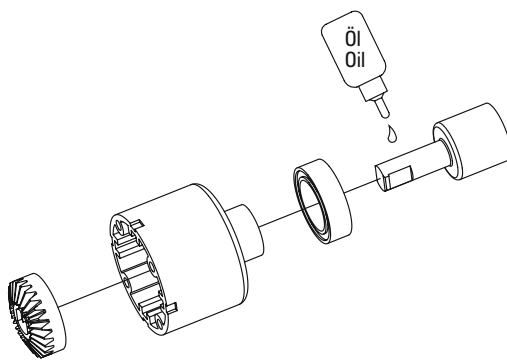


.....2

8x12mm Kugellager  
8x12mm Ball Bearing



Tüte A  
Bag A



x2

**3**



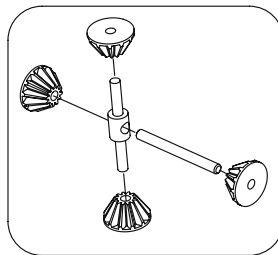
.....2  
1.5x16mm Stift  
1.5x16mm Pin



.....2  
1.5x16mm Achse  
1.5x16mm Shaft

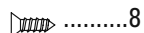


Tüte A  
Bag A

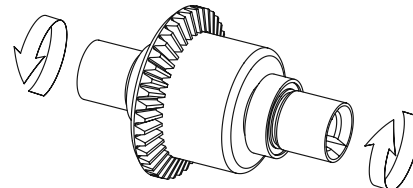
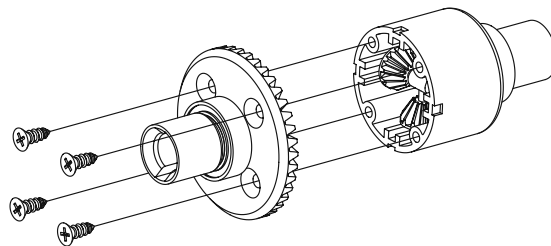


x2

**4**



.....8  
2x6mm Schneidschraube  
2x6mm TP Screw




x2

# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

## 5

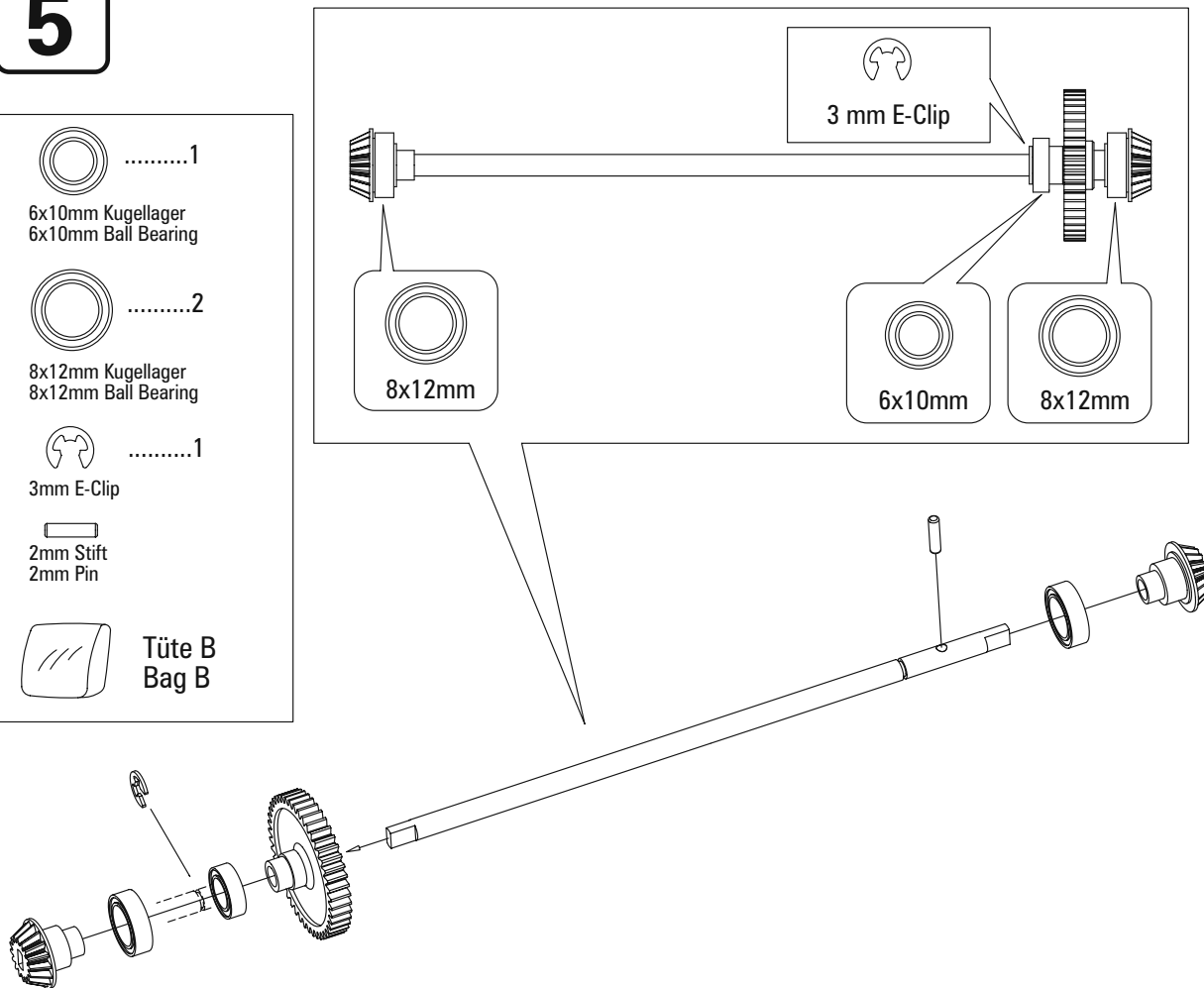
 .....1  
6x10mm Kugellager  
6x10mm Ball Bearing

 .....2  
8x12mm Kugellager  
8x12mm Ball Bearing

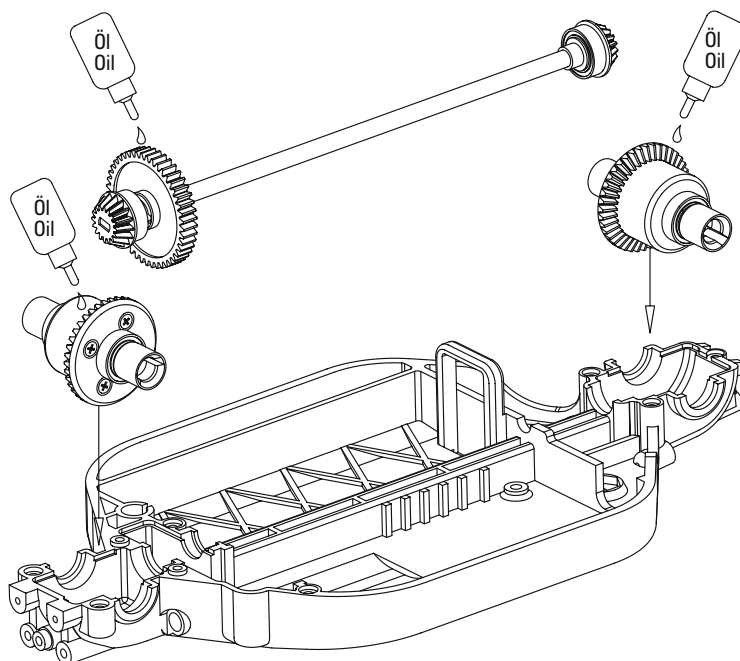
 .....1  
3mm E-Clip

  
2mm Stift  
2mm Pin

 Tüte B  
Bag B




## 6



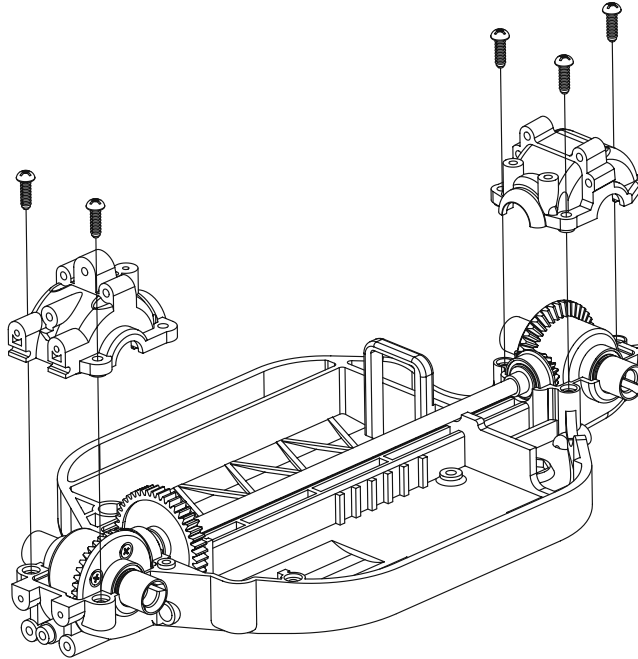
# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR


## 7

 .....5  
2.6x8mm Linsenkopfschneidschraube  
2.6x8mm TP screw

 Tüte B  
Bag B

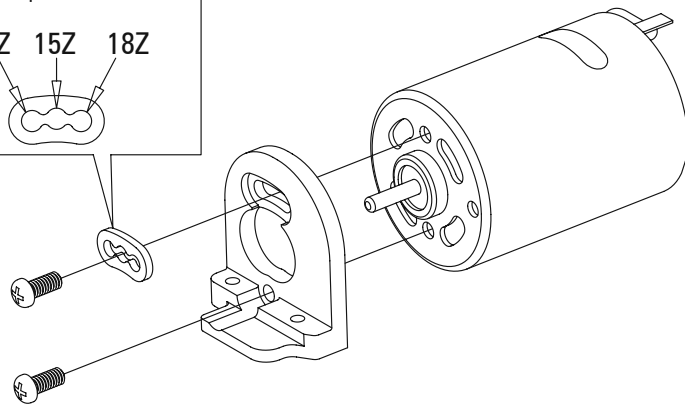
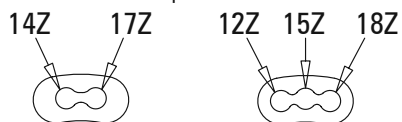


## 8

 .....2  
2.6x6mm Linsenkopfschraube  
2.6x6mm Screw

 Tüte C  
Bag C

Mit Hilfe der Einstellplatten kann die Motorposition an die unterschiedlichen Ritzelgrößen angepasst werden.  
With the motor setting plates, the motor position can be adjusted to fit different size pinions.

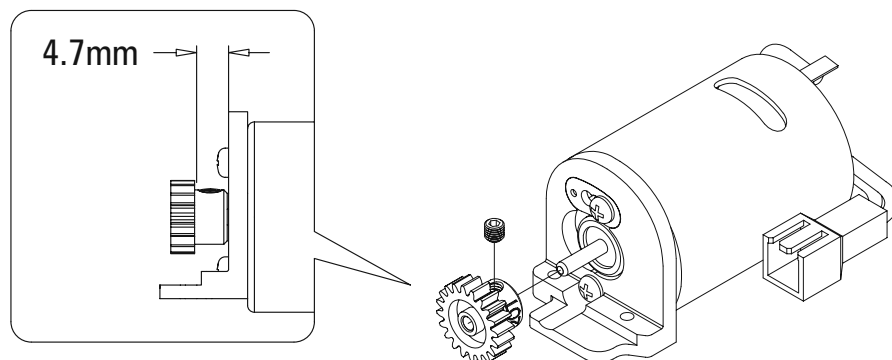


## 9

 .....1  
3mm Madenschraube  
3mm Set Screw



18Z Ritzel  
18T Pinion



# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

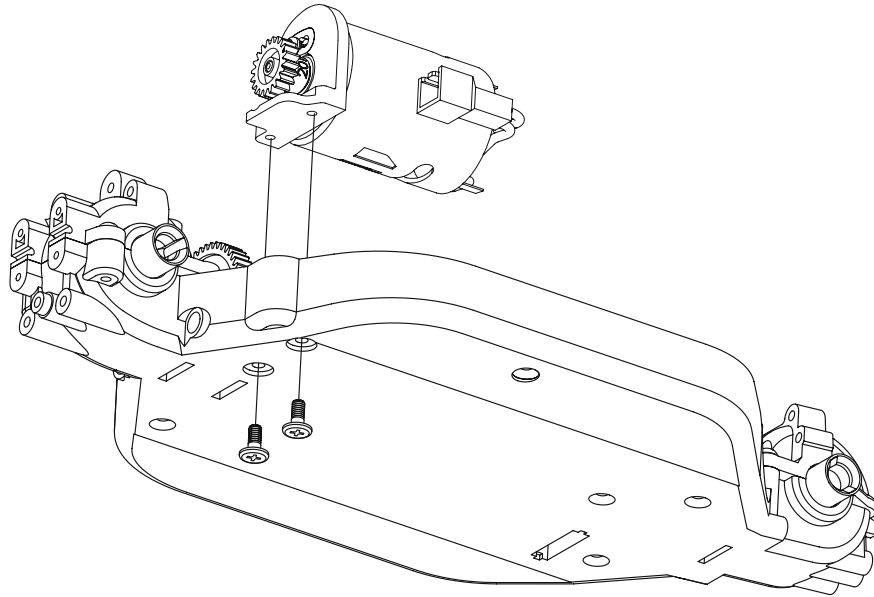
## 10

 .....2


2.6x6mm Motorhalter-  
schraube  
2.6x6mm Motor Mount  
Screw



Tüte C  
Bag C



## 11

 .....2

2.6x8mm Linsenkopf-  
schneidschraube  
2.6x8mm TP screw

 .....2

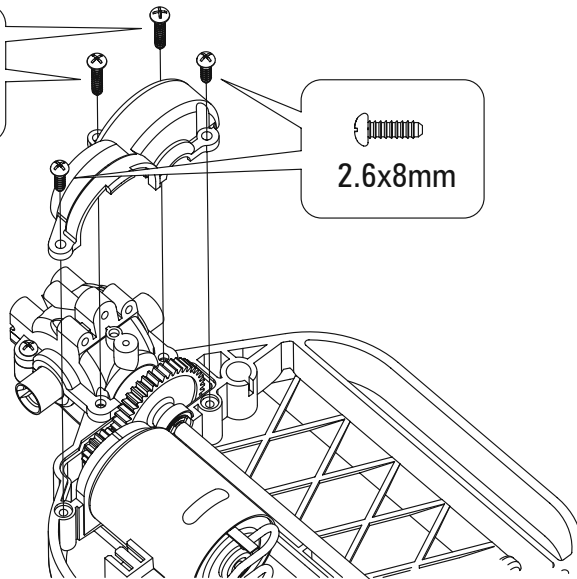
2.6x12mm Linsenkopf-  
schneidschraube  
2.6x12mm TP screw




Tüte C  
Bag C

 .....2  
2.6x12mm

 .....2  
2.6x8mm



## 12

 .....1

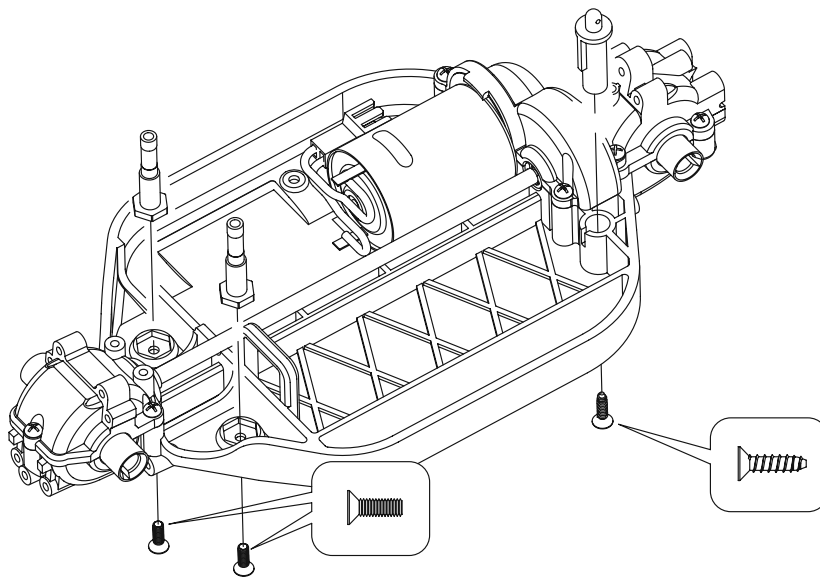
2.6x10mm Senkkopf-  
schneidschraube  
2.6x12mm Countersunk  
TP screw

 .....2

2.6x8mm Senkkopfschraube  
2.6x8mm Countersunk screw



Tüte D  
Bag D

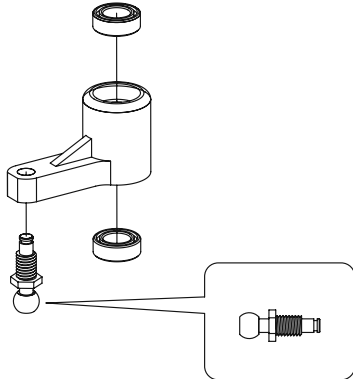


# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

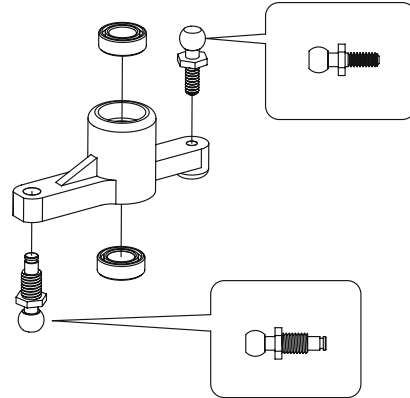
**13**

Tüte D  
Bag D



**14**

Tüte D  
Bag D

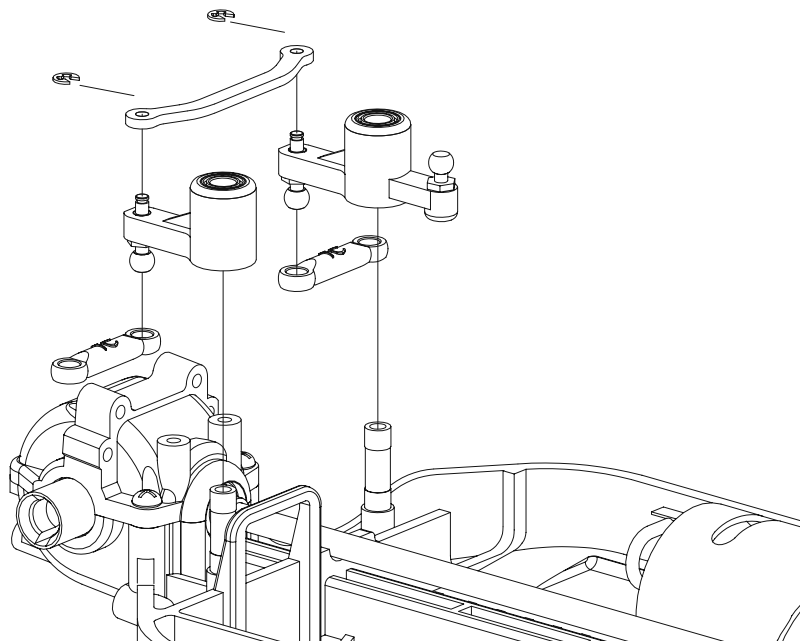


**15**

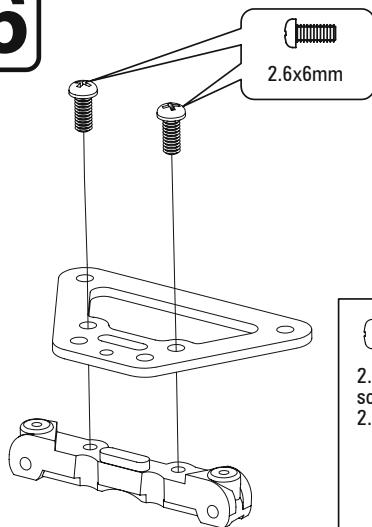
.....2  
1.5mm E-Clip



Tüte D  
Bag D



**16**



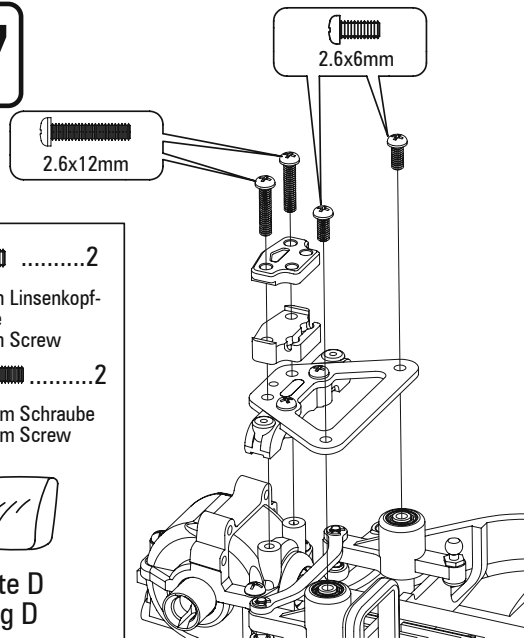
2.6x6mm

2.6x6mm Linsenkopf-  
schraube  
2.6x6mm Screw



Tüte D  
Bag D

**17**



2.6x6mm

2.6x12mm

.....2  
2.6x6mm Linsenkopf-  
schraube  
2.6x6mm Screw

.....2  
2.6x12mm Schraube  
2.6x12mm Screw

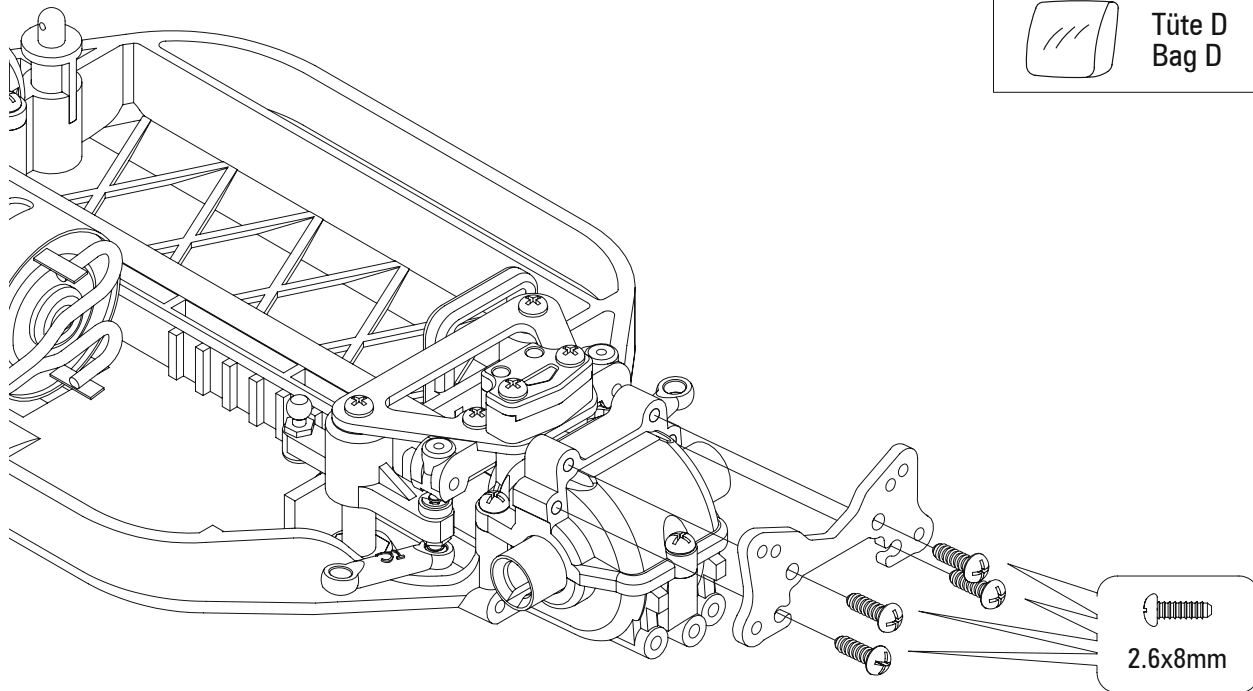


Tüte D  
Bag D

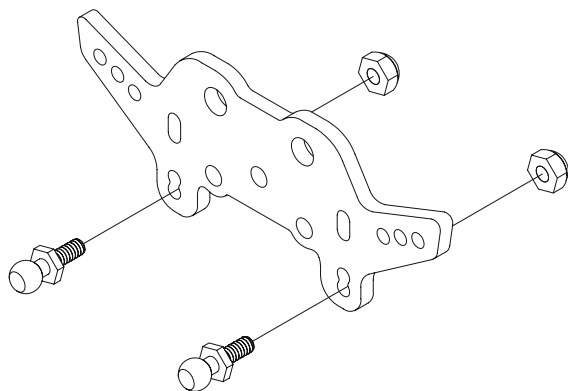
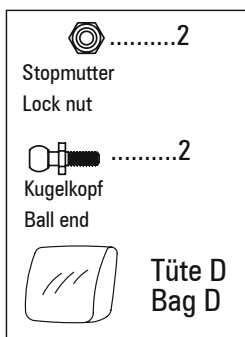
# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

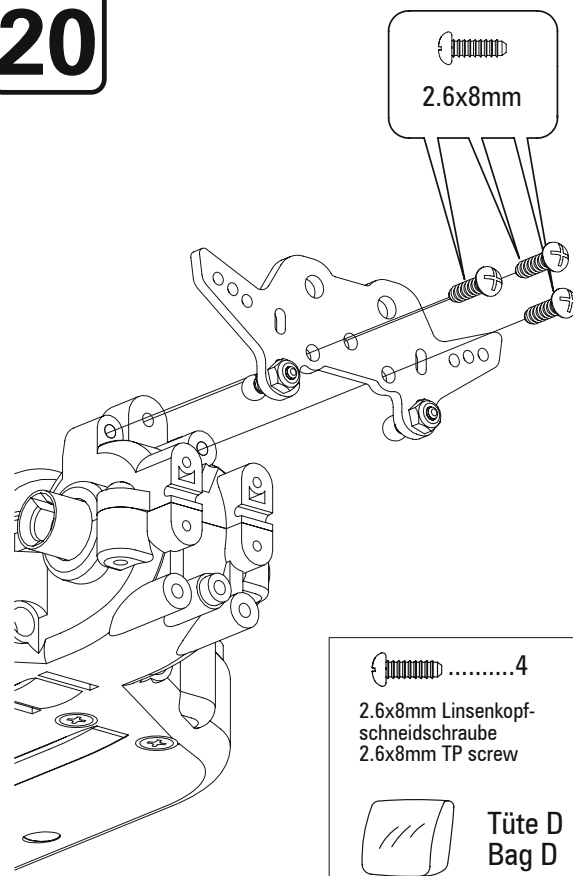
**18**



**19**



**20**





# S18-TC

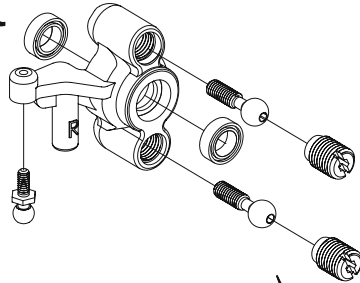
LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

**21**

 .....2  
5x8mm Kugellager  
5x8mm Ball Bearing

 Tüte E  
Bag E

Rechts  
Right

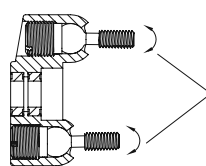
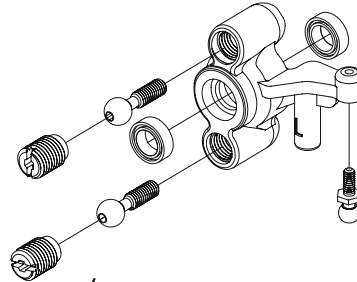


**22**

 .....2  
5x8mm Kugellager  
5x8mm Ball Bearing

 Tüte E  
Bag E


Links  
Left



Ziehen Sie die Haltemuttern nicht zu fest an.  
Die pivot balls müssen sich leichtgängig  
bewegen lassen, aber trotzdem kein bzw.  
nur sehr wenig Spiel haben.

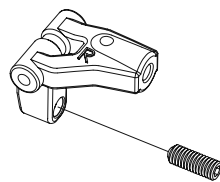
Do not overtighten the holding nuts. You  
want the pivot balls to move free and easy,  
without or only very little play.

**23**

 .....1  
3x8mm Madenschraube  
3x8mm Set screw

 Tüte E  
Bag E

Rechts  
Right

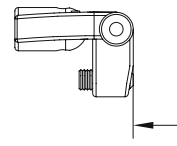
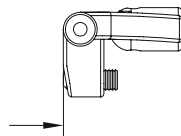
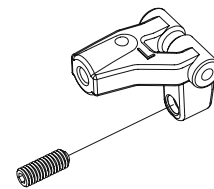


**24**

 .....1  
3x8mm Madenschraube  
3x8mm Set screw

 Tüte E  
Bag E

Links  
Left



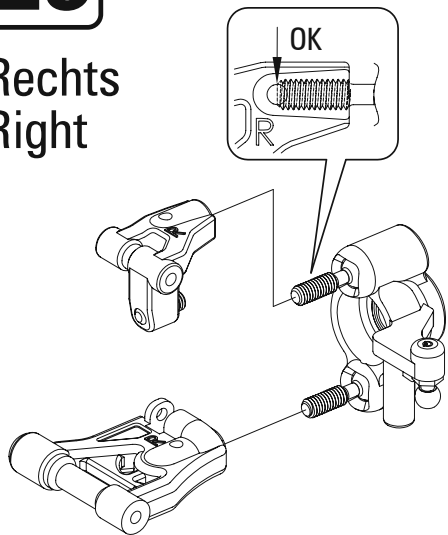
Madenschraube anziehen bis sie plan zur Oberfläche ist.  
Tighten the set screw until you get a plane surface area.

# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

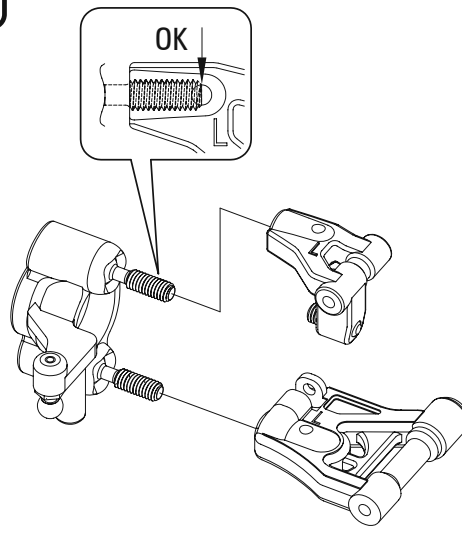
## 25

Rechts  
Right



## 26

Links  
Left

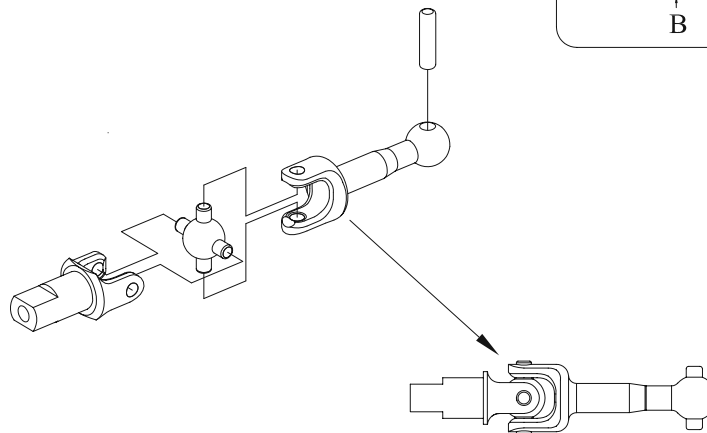
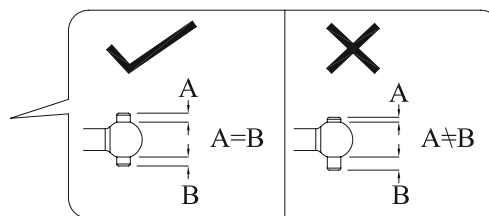


## 27

2mm Stift  
2mm Pin



Tüte E  
Bag E



x4

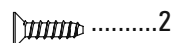
# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

**28**

Rechts  
Right

2x37.5mm Achsstift  
2x37.5mm Hinge Pin



.....2  
2.6x10mm Senkkopf-  
schneidschraube  
2.6x12mm Countersunk  
TP screw



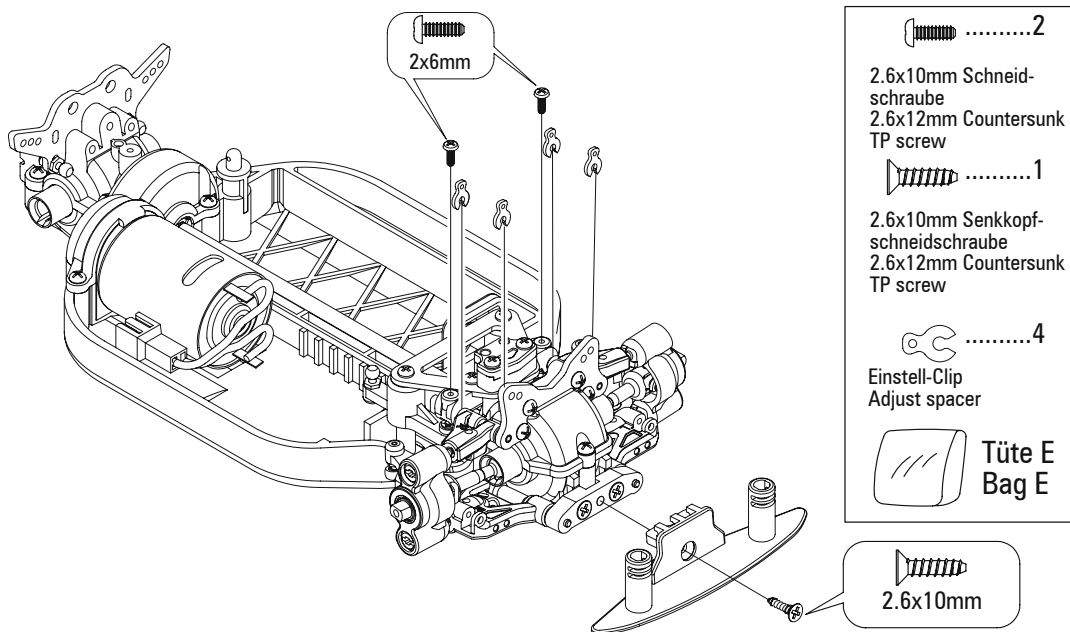
Tüte E  
Bag E

2x37.5mm Achsstift  
2x37.5mm Hinge Pin

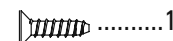
Links  
Left

**29**

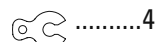
**30**



.....2  
2.6x10mm Schneid-  
schraube  
2.6x12mm Countersunk  
TP screw



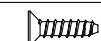
.....1  
2.6x10mm Senkkopf-  
schneidschraube  
2.6x12mm Countersunk  
TP screw



.....4  
Einstell-Clip  
Adjust spacer



Tüte E  
Bag E

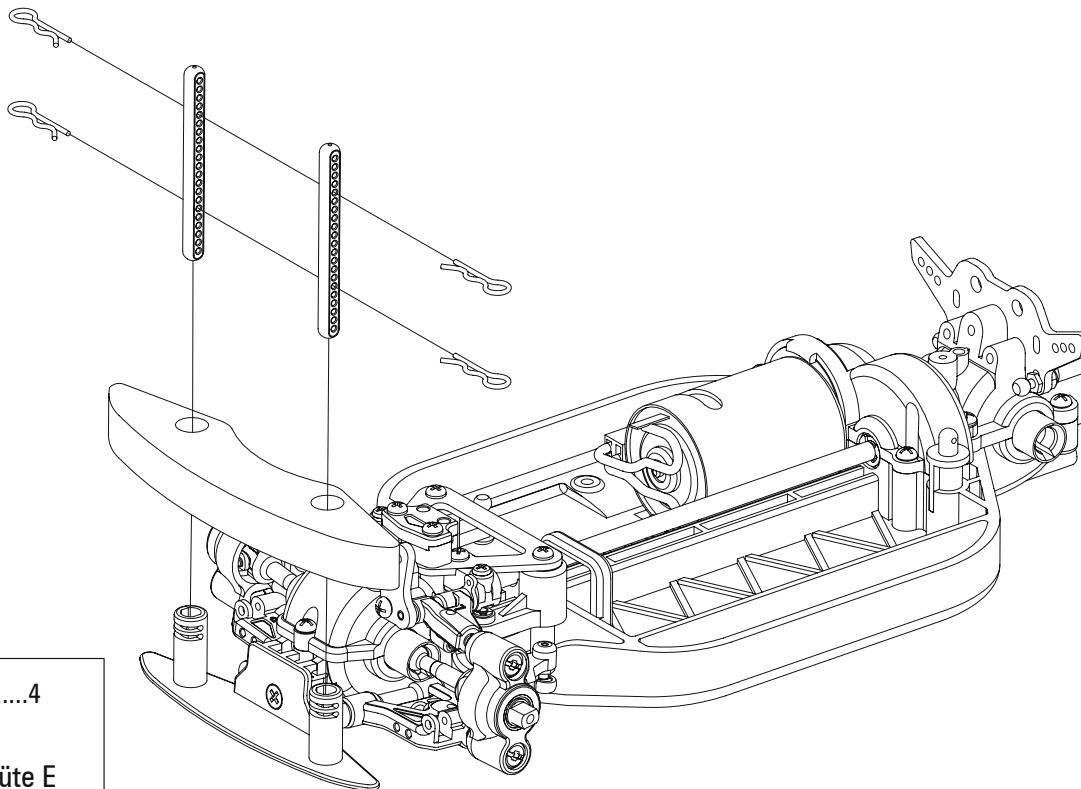


2.6x10mm

# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

31

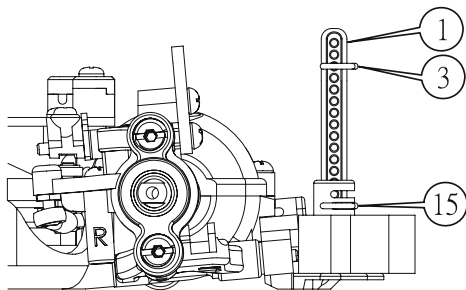


 .....4



Tüte E  
Bag E

32



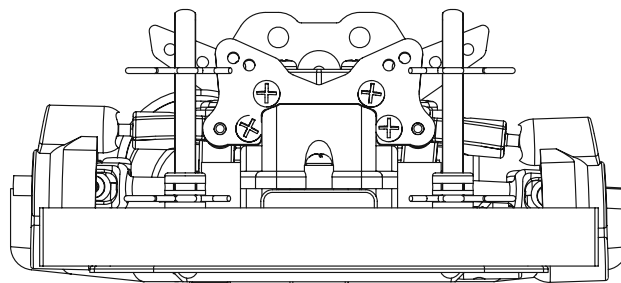
Befestigen Sie den Karosseriesplint im 3. Loch

Install the body clip in the 3<sup>rd</sup> hole



Befestigen Sie den Karosseriesplint im 15. Loch

Install the body clip in the 15<sup>th</sup> hole



# S18-TC

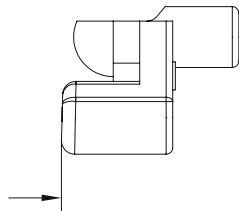
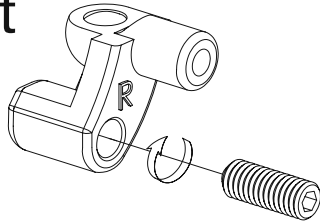
LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

**33**

.....1  
3x8mm Madenschraube  
3x8mm Set screw



Rechts  
Right



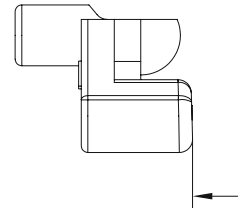
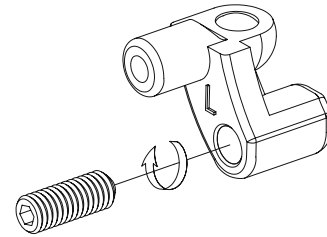
Madenschraube anziehen bis sie plan zur Oberfläche ist.  
Tighten the set screw until you get a plane surface area.

**34**

.....1  
3x8mm Madenschraube  
3x8mm Set screw



Links  
Left



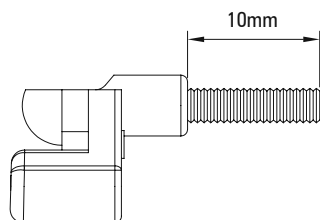
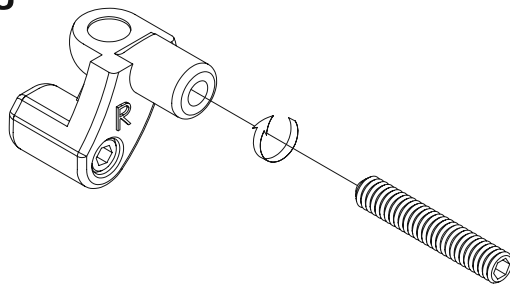
Madenschraube anziehen bis sie plan zur Oberfläche ist.  
Tighten the set screw until you get a plane surface area.

**35**

.....1  
2.6x15mm Madenschraube  
2.6x15mm Set screw



Rechts  
Right

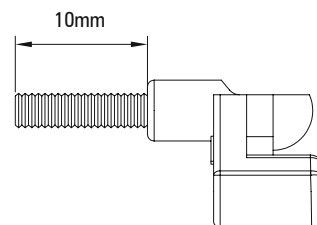
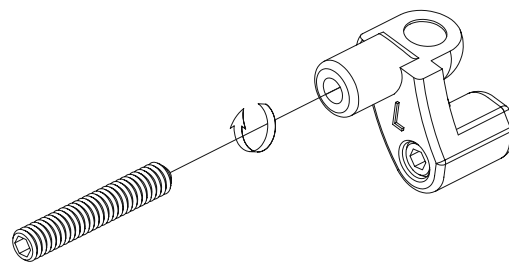


**36**

.....1  
2.6x15mm Madenschraube  
2.6x15mm Set screw



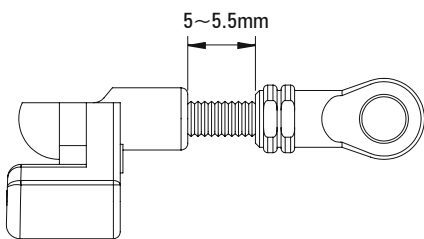
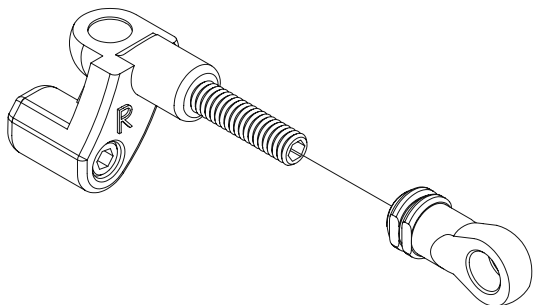
Links  
Left



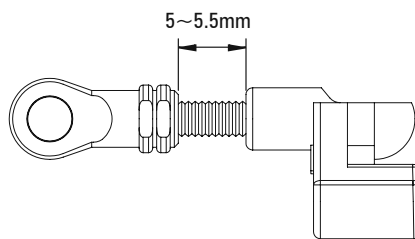
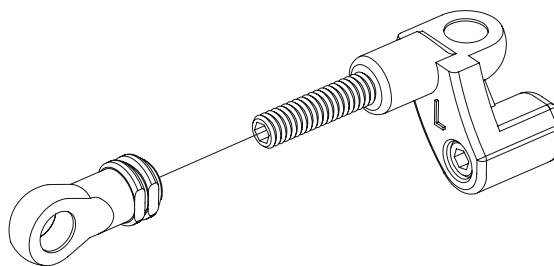
# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

## 37 Rechts Right



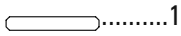
## 38 Links Left



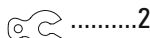
## 39



.....2  
5x8x2.5mm Kugellager  
5x8x2.5mm Ball bearing



.....1  
Achsstift  
Hinge pin



.....2  
Einstell-Clip  
Adjust spacer



1.3mm 1.3mm

Vertiefung auf der Oberseite  
Recess upwards

# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

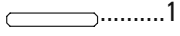
## 40

Rechts  
Right



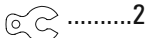
.....2

5x8x2.5mm Kugellager  
5x8x2.5mm Ball bearing



.....1

Achsstift  
Hinge pin

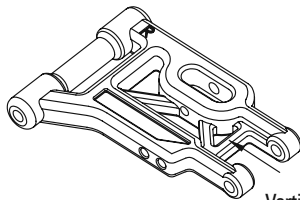
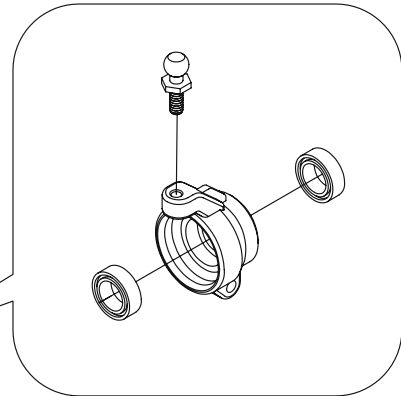
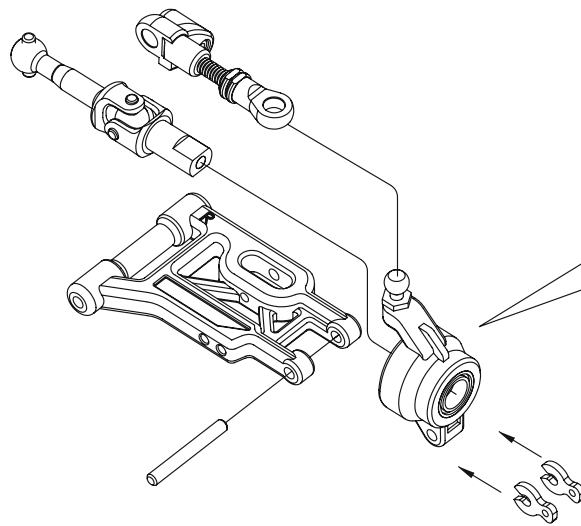


.....2

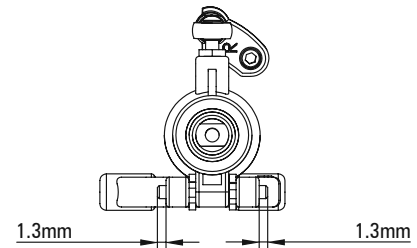
Einstell-Clip  
Adjust spacer



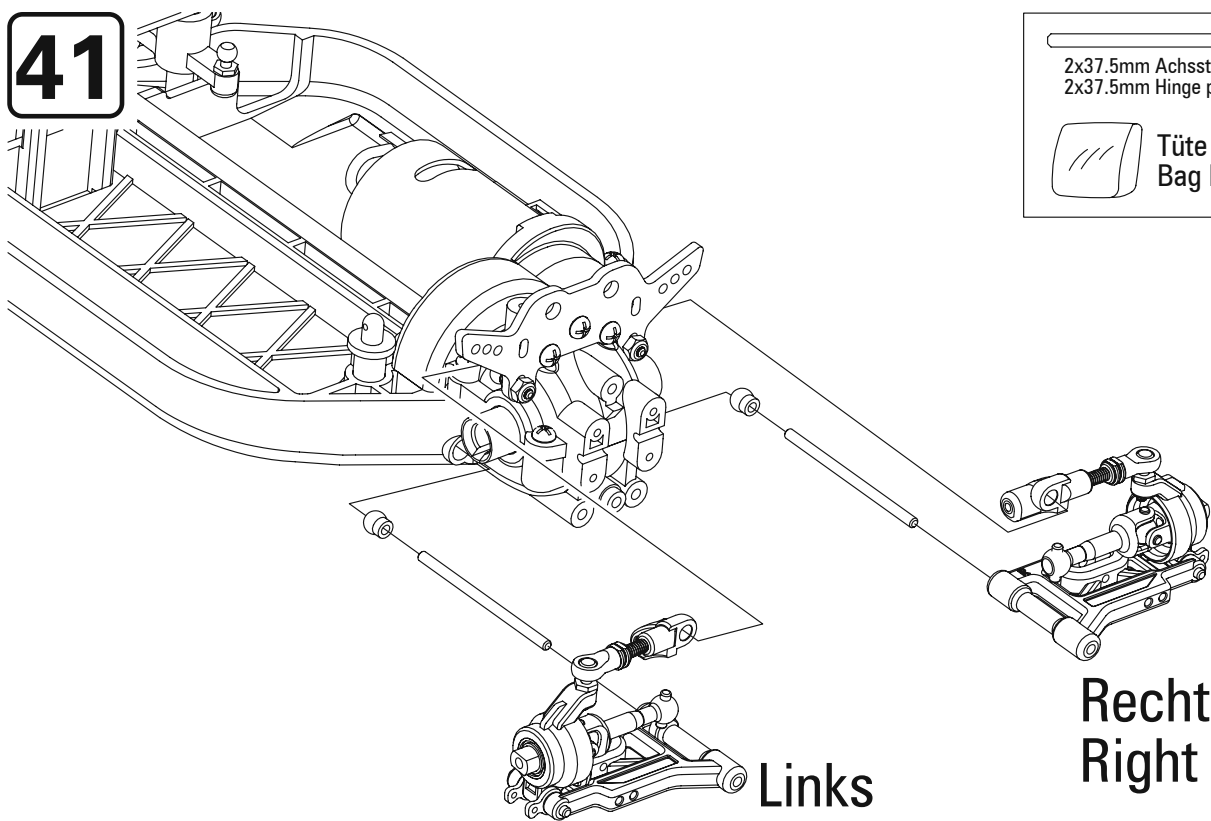
Tüte E  
Bag E



Vertiefung auf der Oberseite  
Recess upwards



## 41



2x37.5mm Achsstift  
2x37.5mm Hinge pin

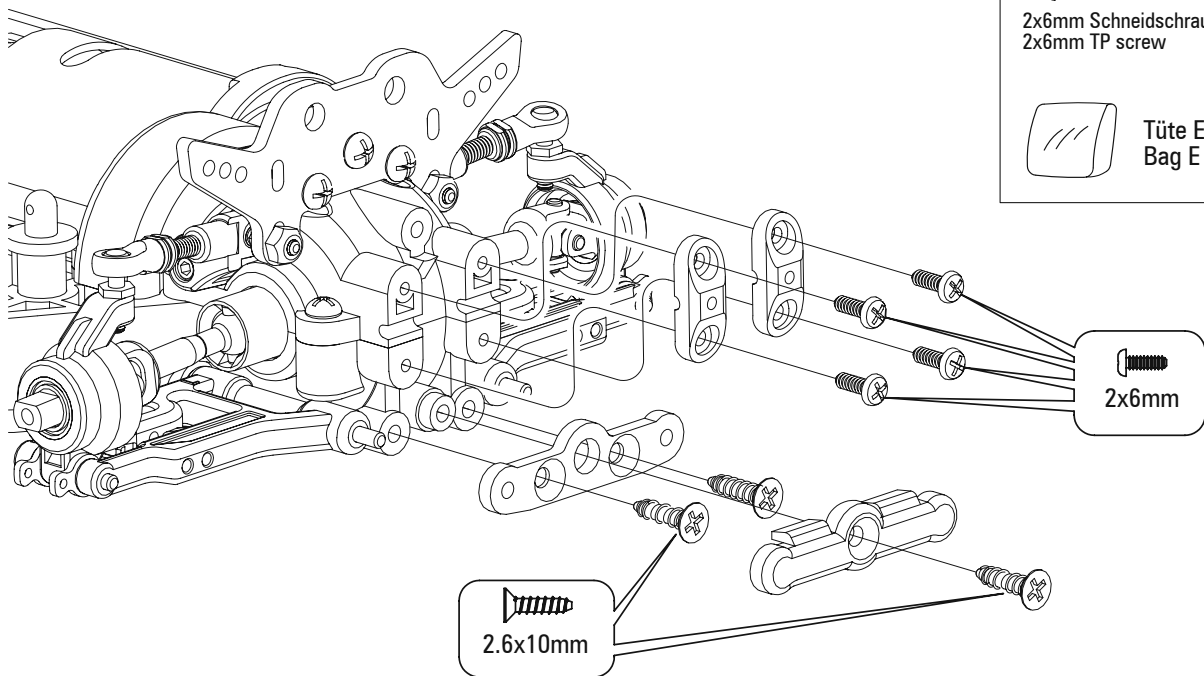


Tüte E  
Bag E


# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

**42**




 .....3  
2.6x10mm Senkkopfschneidschraube  
2.6x10mm Countersunk TP screw

 .....4  
2x6mm Schneidschraube  
2x6mm TP screw

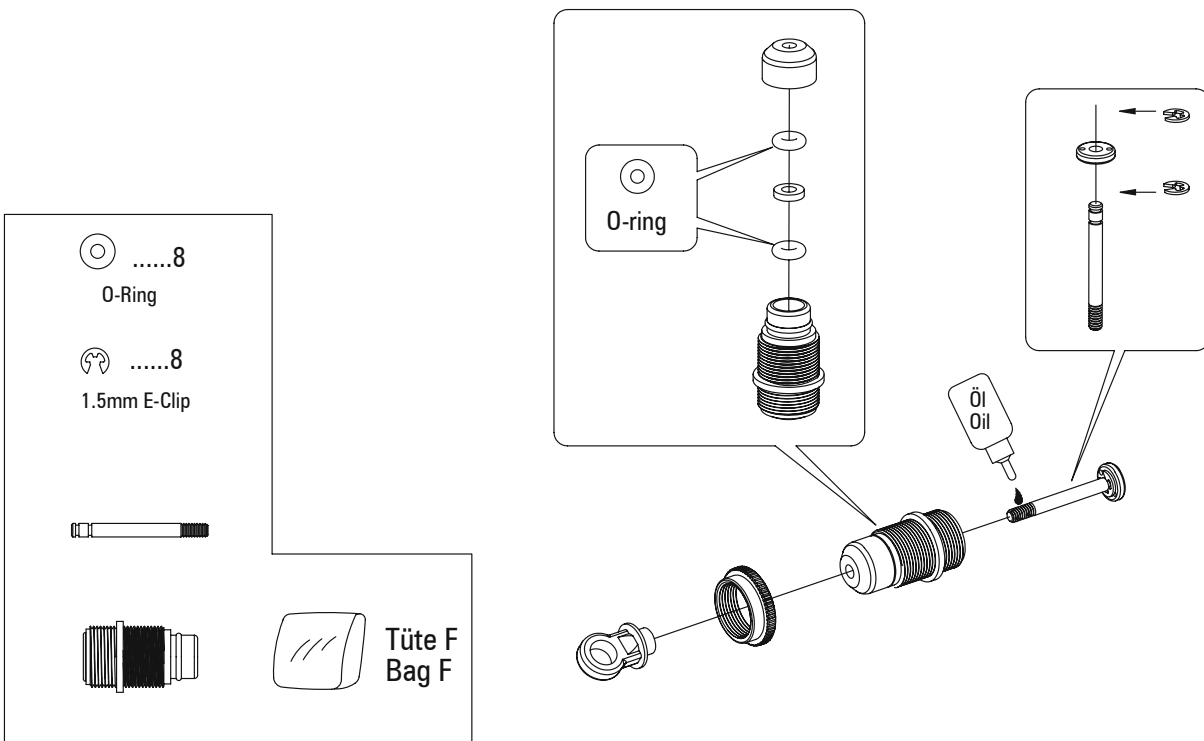
 Tüte E  
Bag E

 2x6mm


 2.6x10mm

**43**

Vordere und Hintere Dämpfer **x4**  
Front and Rear Shocks



 .....8  
O-Ring

 .....8  
1.5mm E-Clip



 Tüte F  
Bag F

O-ring

Öl  
Oil

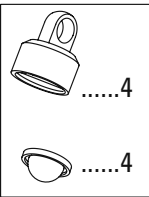


# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

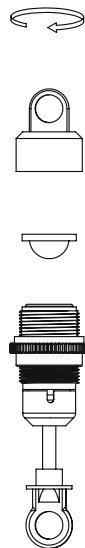
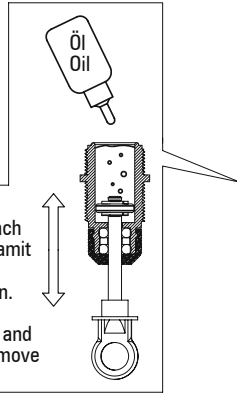
**44**

Dämpfer  
Shocks



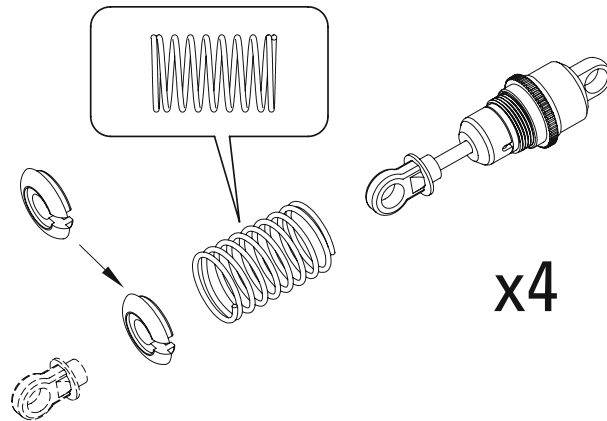
Bewegen Sie den Kolben langsam nach oben und unten, damit die Luftblasen entweichen können.

Move the shaft up and down slowly to remove the air bubbles.

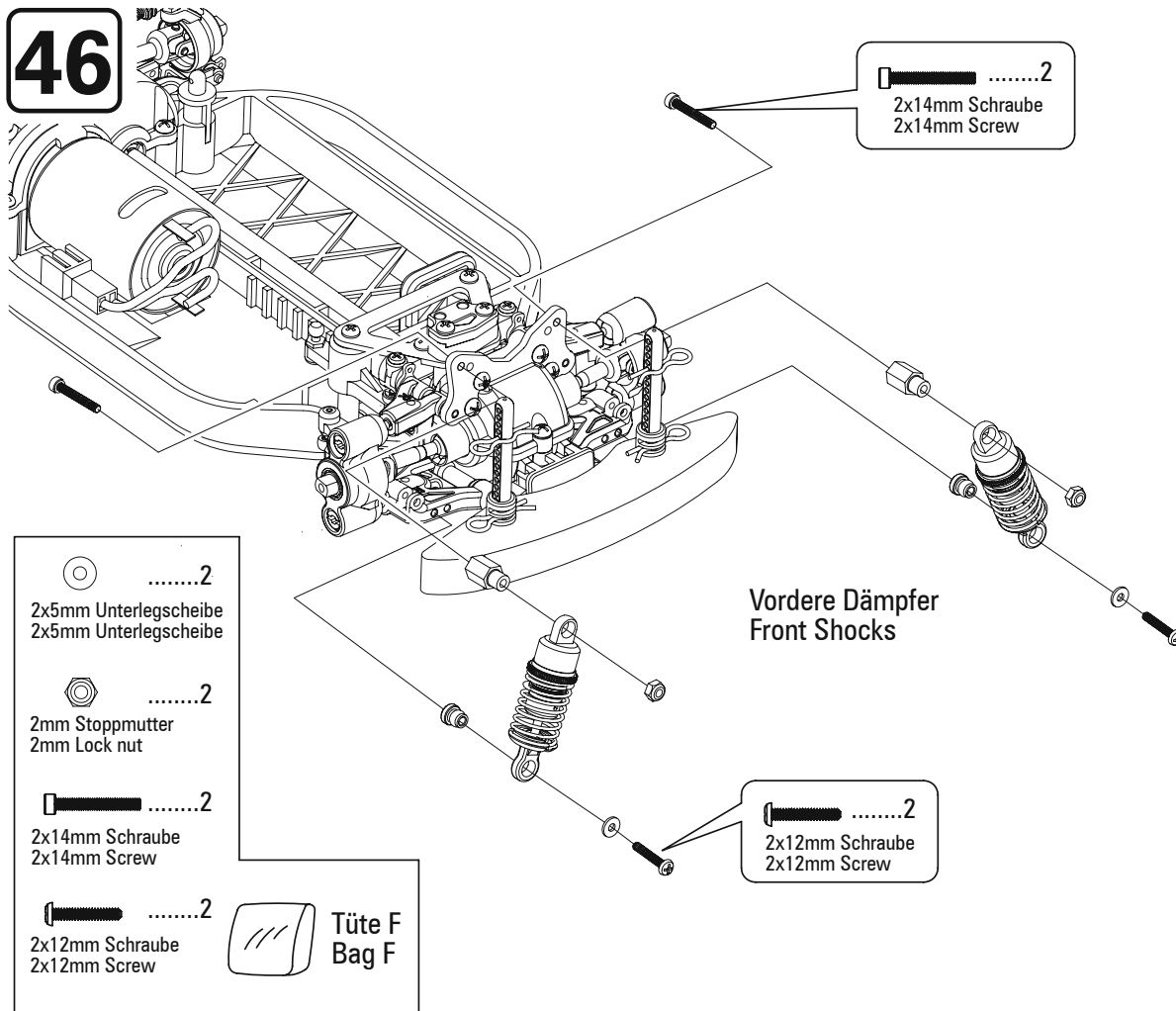


**45**

Dämpfer  
Shocks



**46**



.....2  
2x14mm Schraube  
2x14mm Screw

.....2  
2x5mm Unterlegscheibe  
2x5mm Unterlegscheibe

.....2  
2mm Stopmutter  
2mm Lock nut

.....2  
2x14mm Schraube  
2x14mm Screw

.....2  
2x12mm Schraube  
2x12mm Screw

Tüte F  
Bag F

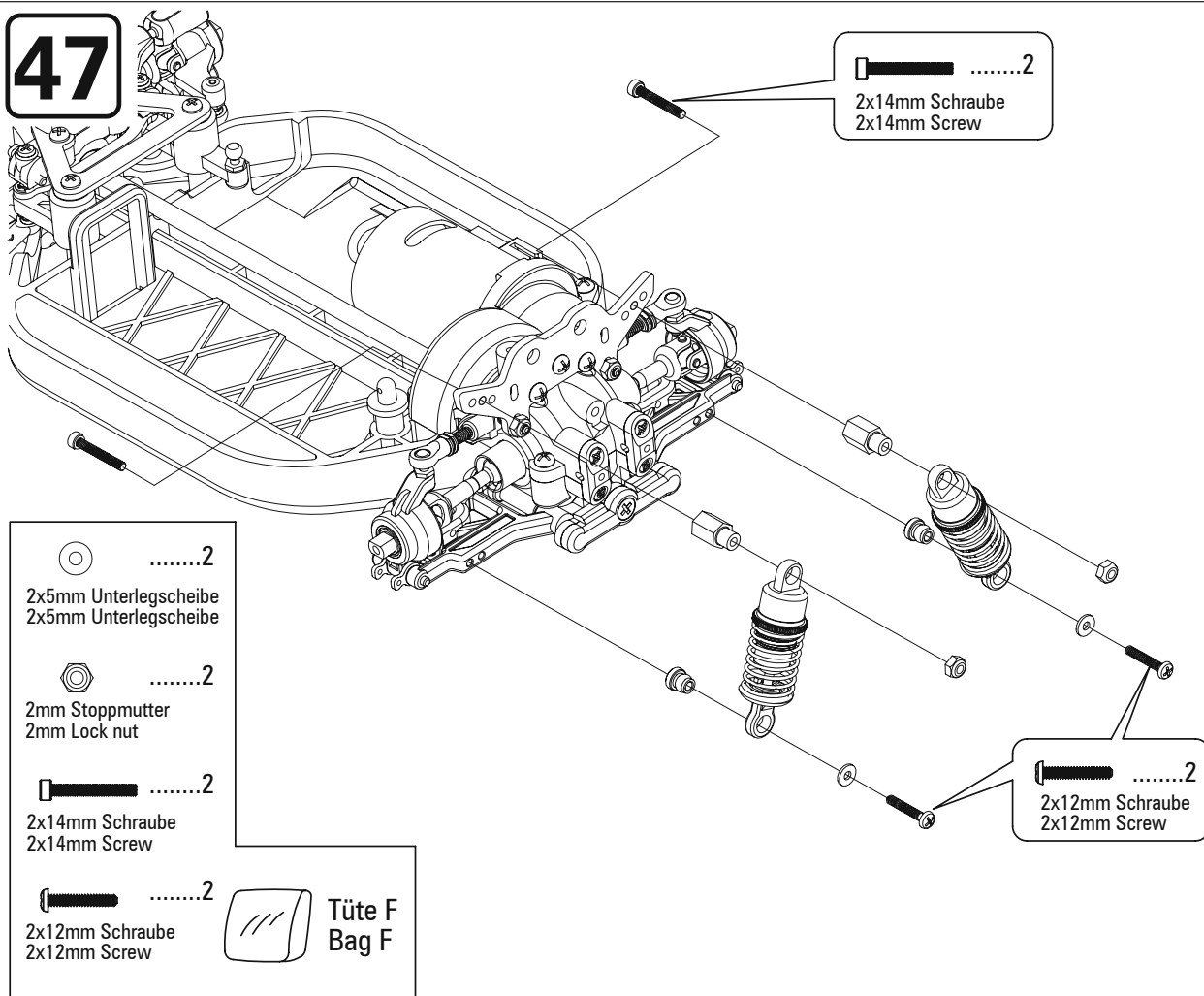
Vordere Dämpfer  
Front Shocks

.....2  
2x12mm Schraube  
2x12mm Screw

# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

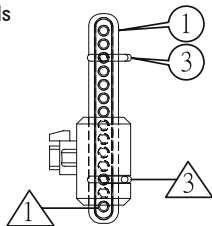
## 47



## 48

Höhe der Karosseriehalter für verschiedene  
Karosserien einstellbar

Adjustable height of the body posts  
to fit different body shells



Befestigen Sie den Karosseriesplint im 3. Loch

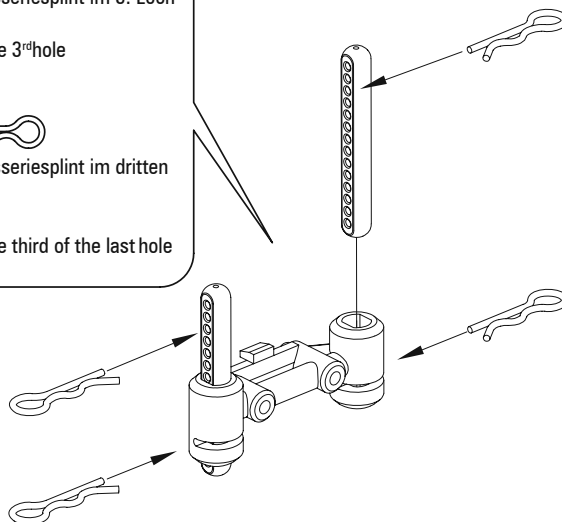
Install the body clip in the 3<sup>rd</sup> hole

Befestigen Sie den Karosseriesplint im dritten  
Loch von unten

Install the body clip in the third of the last hole

.....4

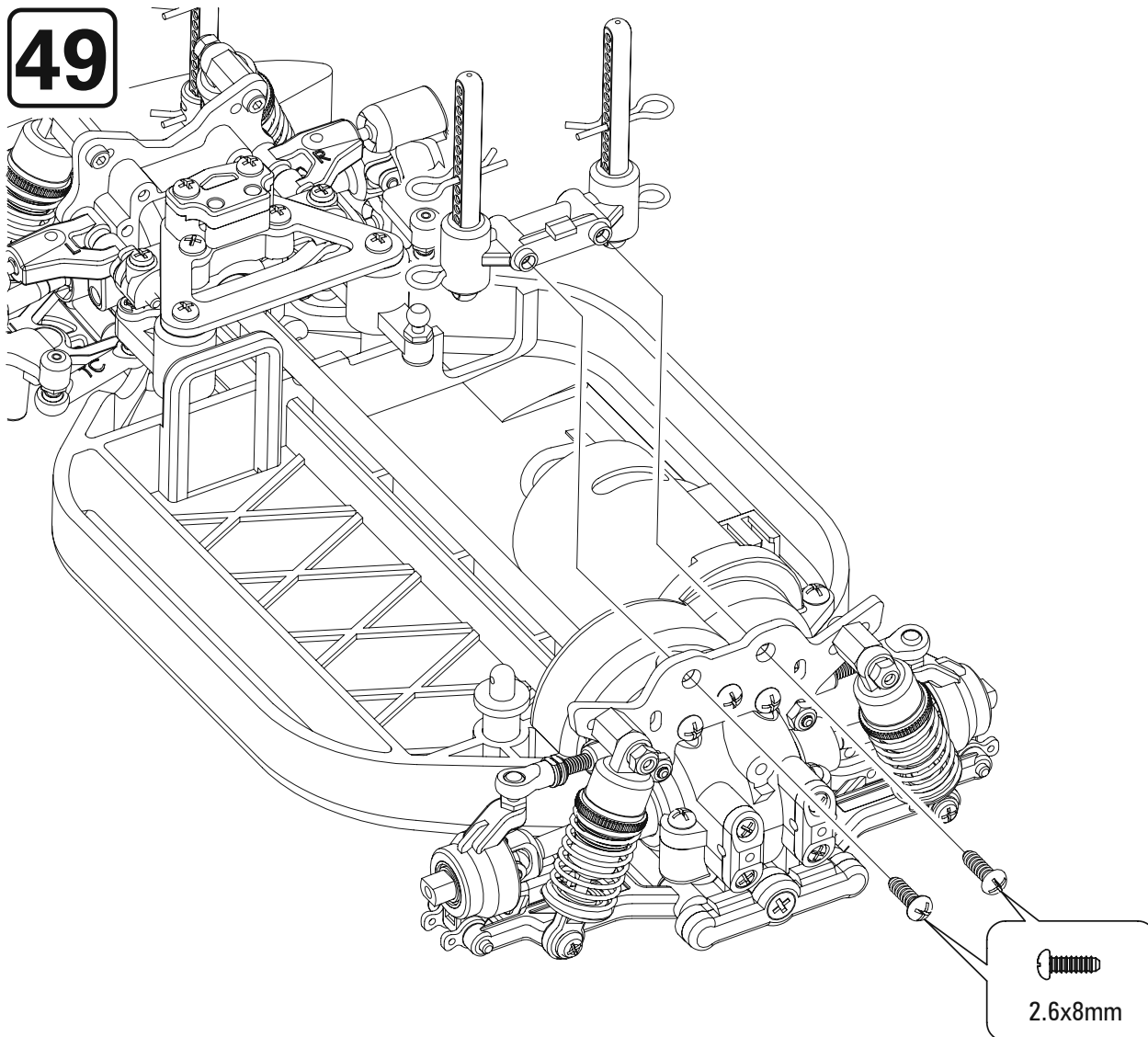
Tüte G  
Bag G



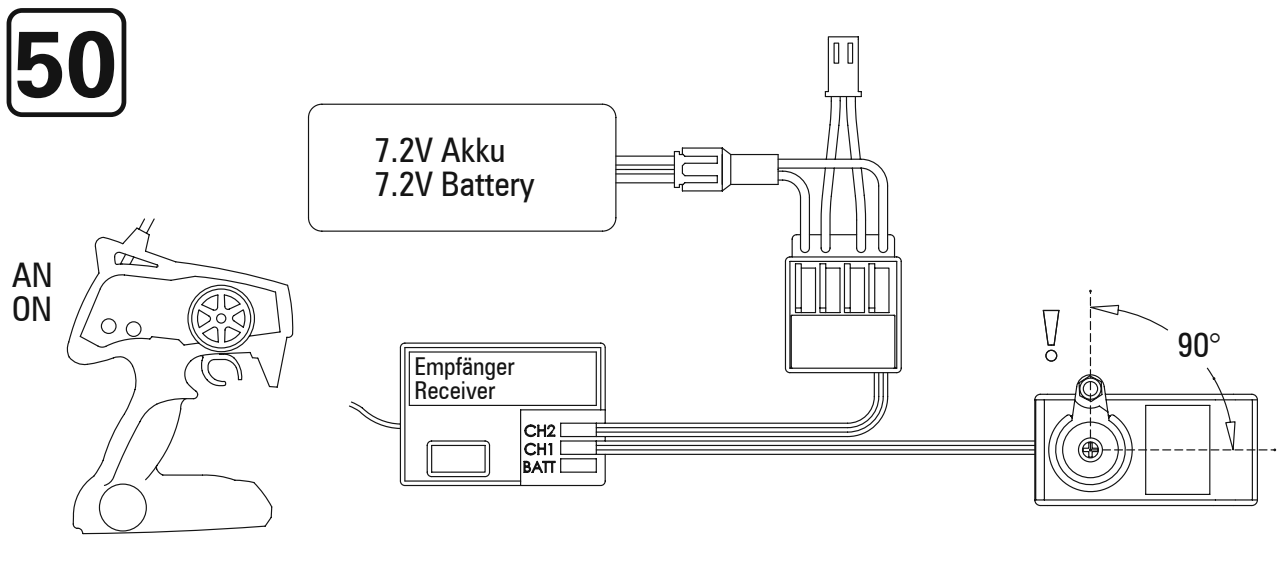
# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

49



50



# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

**51**



3x12mm Schraube  
3x12mm Screw



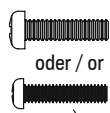
2.6x12mm Schraube  
2.6x12mm Screw



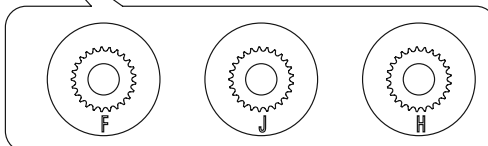
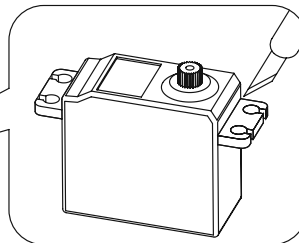
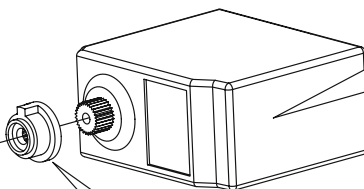
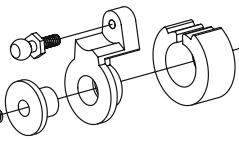
Kugelkopf  
Ball nut



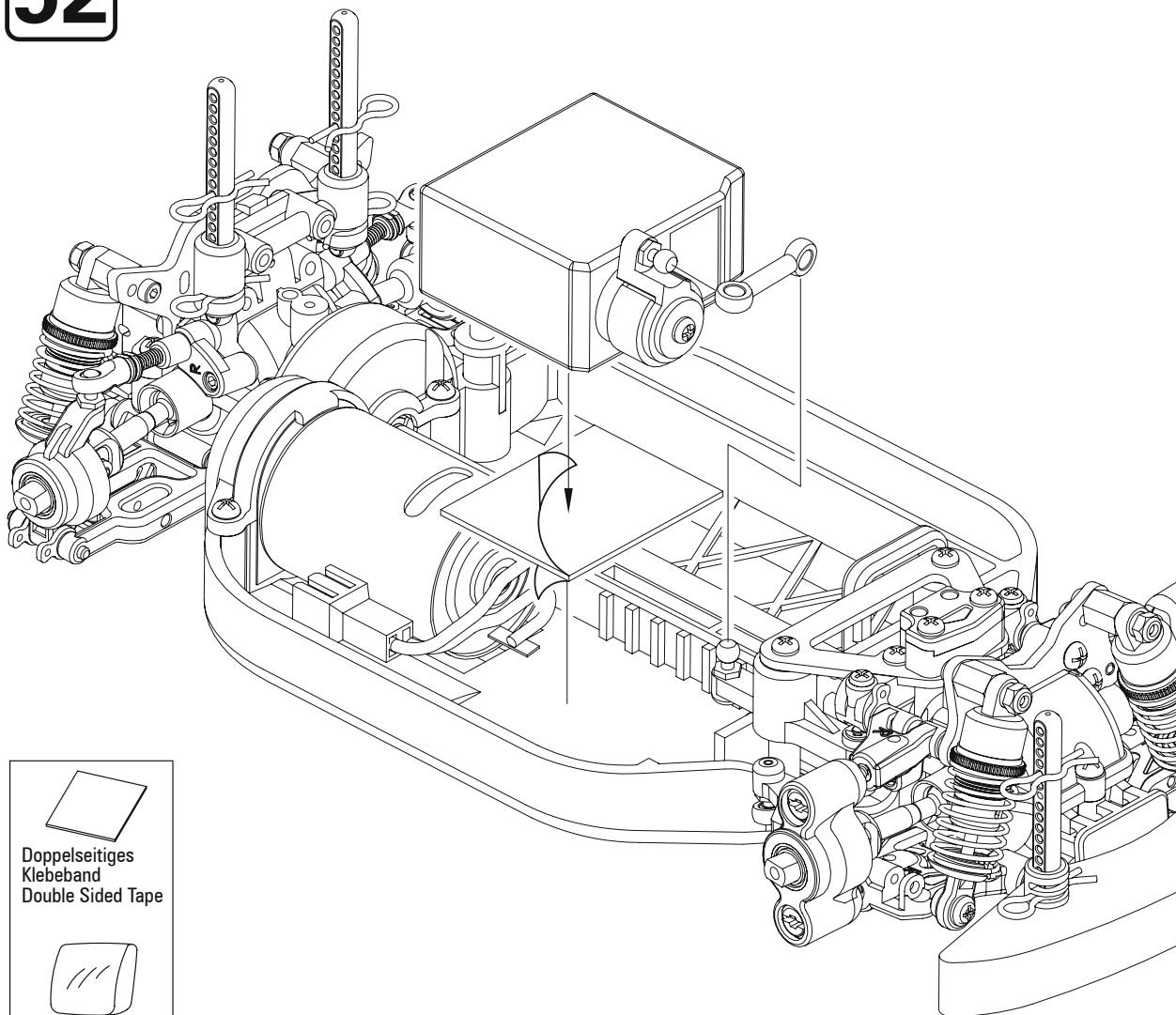
Tüte G  
Bag G



oder / or



**52**



Doppelseitiges  
Klebeband  
Double Sided Tape

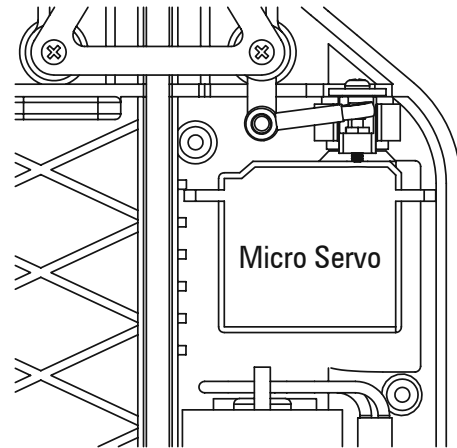
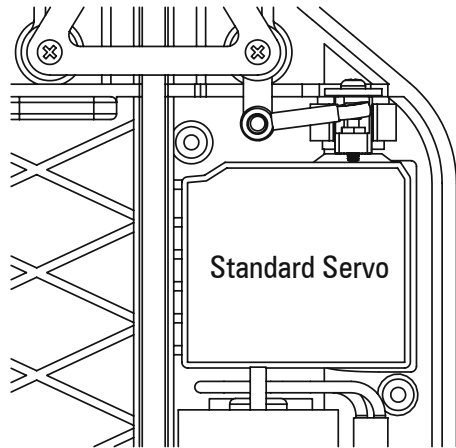


Tüte G  
Bag G

# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

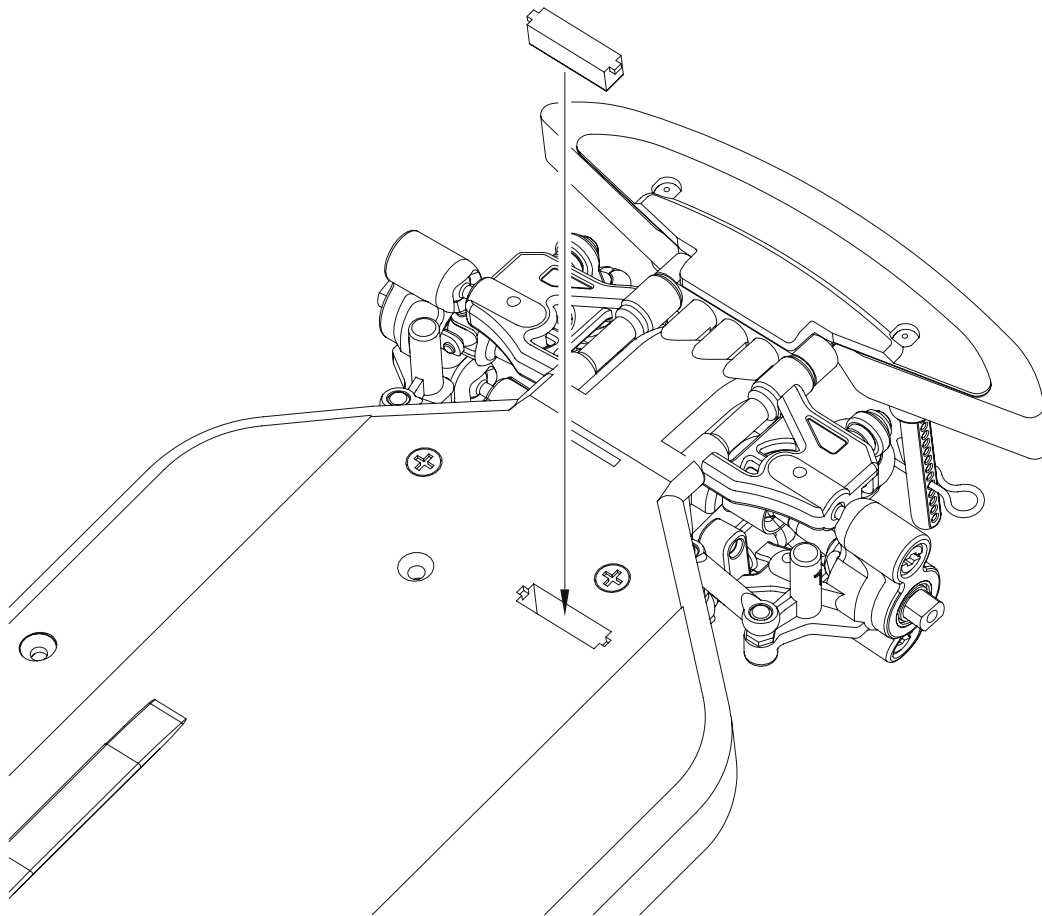
**53**



**54**



Tüte H  
Bag H



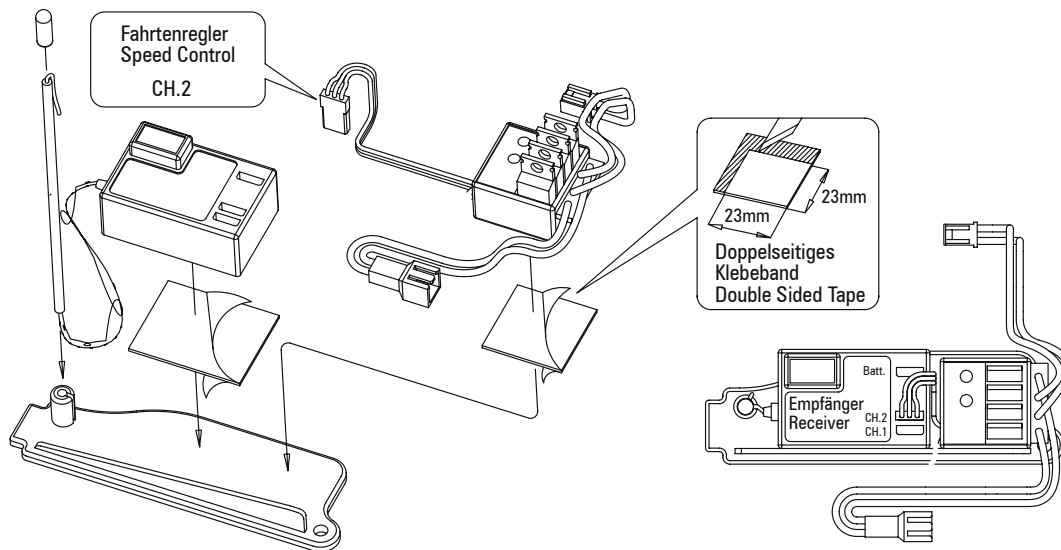
# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

## 55

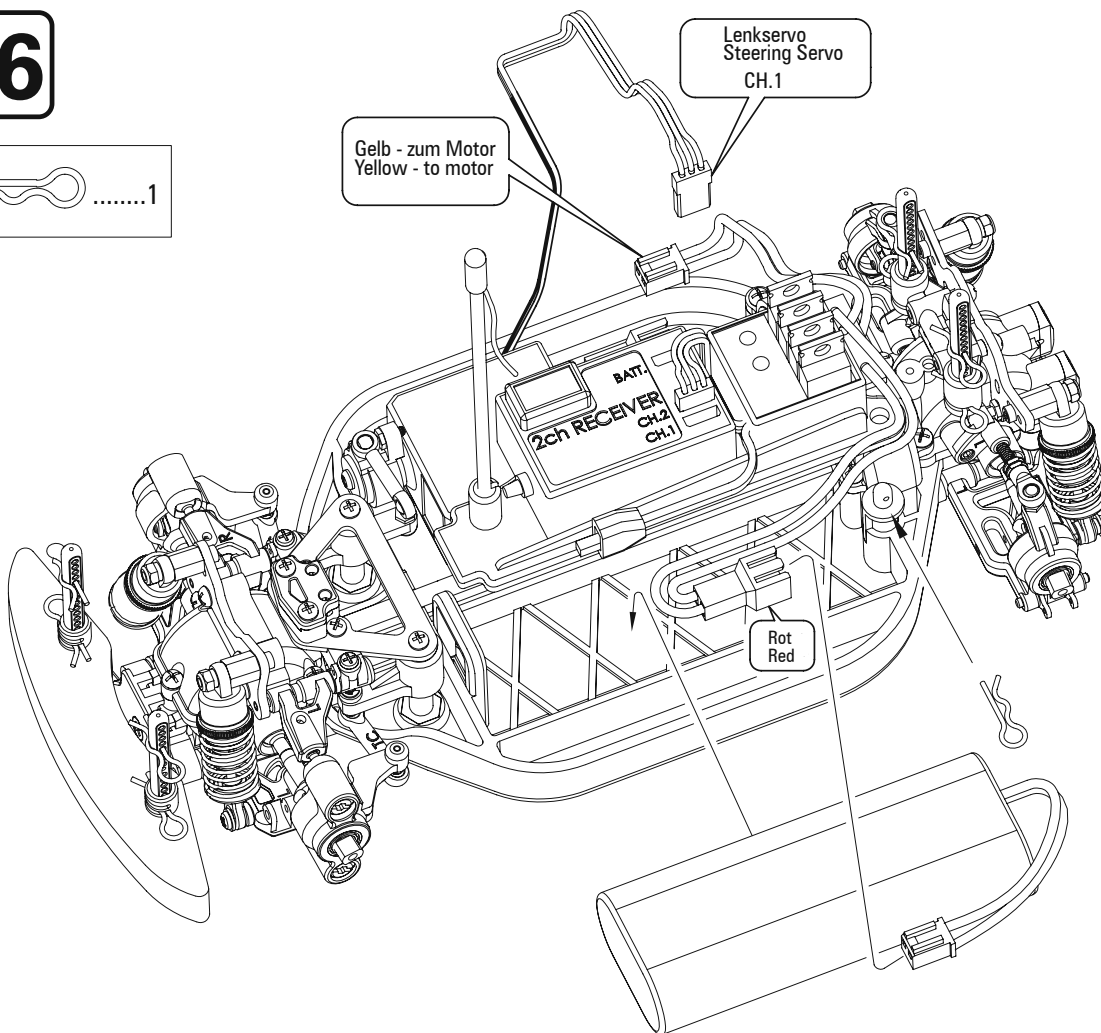
Doppelseitiges  
Klebeband  
Double Sided Tape

Tüte H  
Bag H



## 56

.....1



# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

**57**

## Inbetriebnahme (RTR-set) Set-up Procedure (RTR-set)

1. Fernsteuerung anschalten.
2. Akku anstecken.

Nach Anschluss des Fahrtenreglers ist der LRP Regler sofort betriebsbereit. Ein Setup muss nicht durchgeführt werden. Der Regler „lernt“ bei der Fahrt den Neutral-, Vollgas Vorwärts- und Vollgas Rückwärts-Punkt.

**Bitte beachten:** Beim Anstecken des Fahrakkus muss der Sender in Neutralposition stehen und es sollte in Fahrtrichtung des Modells losgefahren werden.

- Sollten Sie jetzt einen Fehler gemacht haben, so ist das kein Problem: Stecken Sie den Akku für ca. 10 Sekunden aus und beginnen Sie von vorne.
- Stecken Sie nach der Fahrt zuerst Ihren Akku aus und schalten Sie dann den Sender ab. Bei erneutem Beginn zuerst Sender einschalten, dann den Akku anstecken.

1. Switch on transmitter.
2. Plug in the battery.

After wiring up the speed control, the LRP Quantum Micro Reverse A.I. is ready to operate. No setup is required. The speed control „learns“ the neutral, full-speed forward and full-speed reverse points while the car is running.

**Please note:** Before you plug in the drive battery, set the transmitter to neutral position and then start the model in the forward direction.

- If you have made a mistake so far, don't worry: Unplug the battery for about 10 seconds and start over again.
- After the run, first unplug the battery and then switch off the transmitter. When you start again, first switch on the transmitter and then plug in the battery.

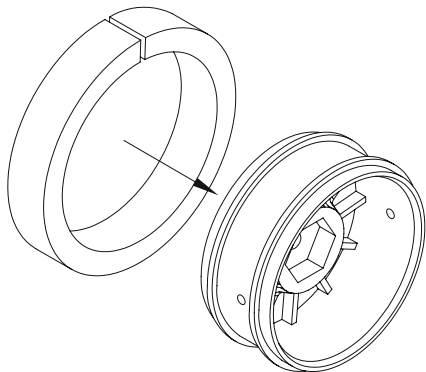
# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

**58**



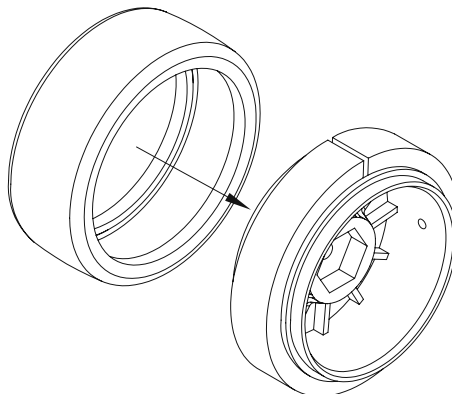
Tüte I  
Bag I



**59**

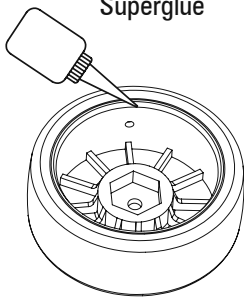


Tüte I  
Bag I

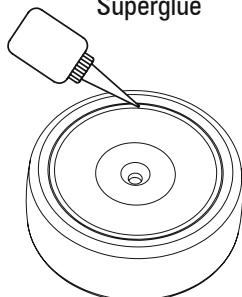


**60**

Sekundenkleber  
Superglue



Sekundenkleber  
Superglue



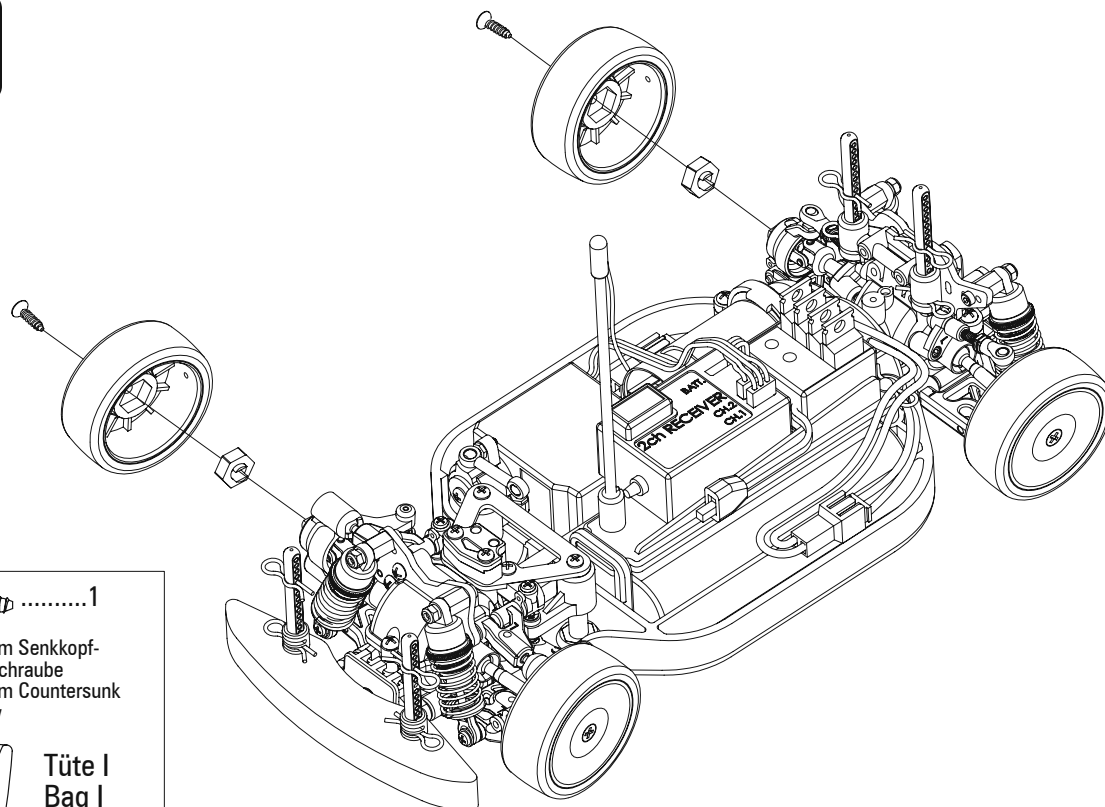
Verwenden Sie Sekundenkleber, um den Reifen auf die Felge zu kleben. Heben Sie den Reifen etwas an und lassen Sie den Sekundenkleber zwischen Reifen und Felge laufen.

**Vorsicht: Der Sekundenkleber darf nicht auf die Lauffläche gelangen.**

Use Superglue to attach the tires to the rim. Lift the tire, to let the superglue flow between the tire and the rim.

**Caution: Don't let the superglue get on the tire surface.**

**61**



.....1

2.6x10mm Senkkopfschneidschraube  
2.6x12mm Countersunk TP screw




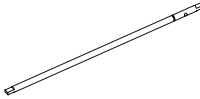
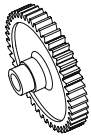
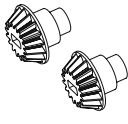
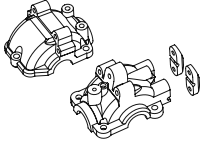
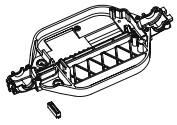

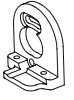

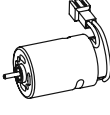


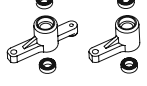

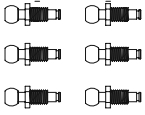
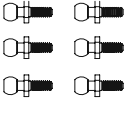
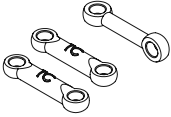
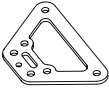
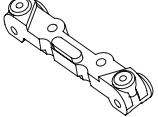
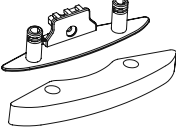
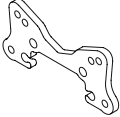
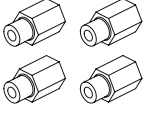
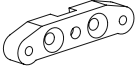
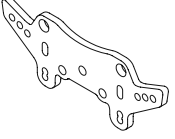
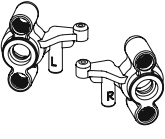
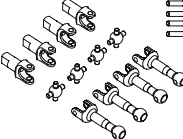
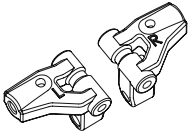
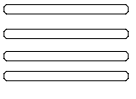
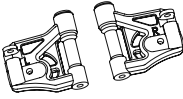
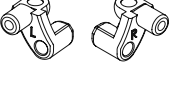

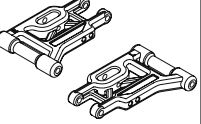

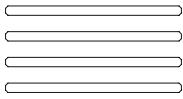


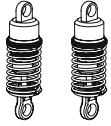
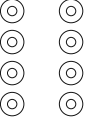
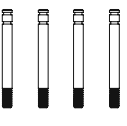
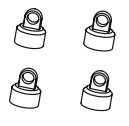

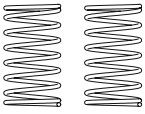

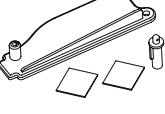

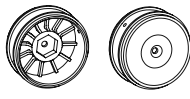


Tüte I  
Bag I



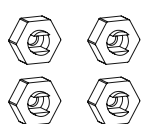
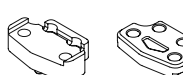
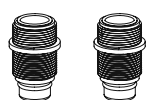

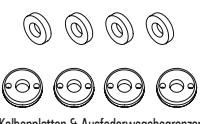

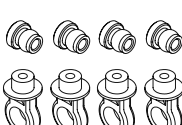
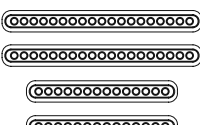
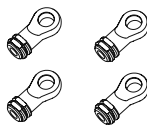
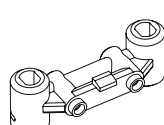

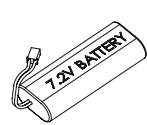
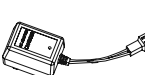
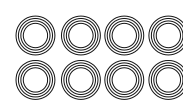
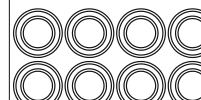
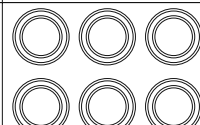
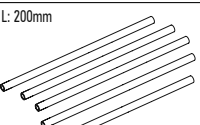
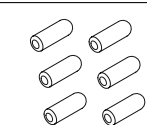
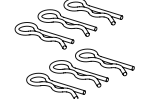
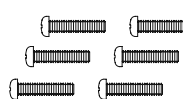
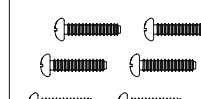
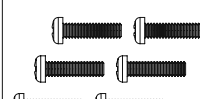
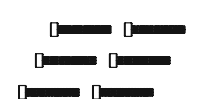
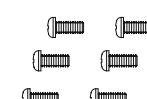
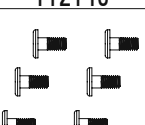
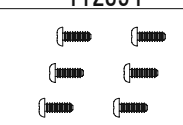
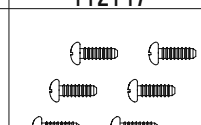
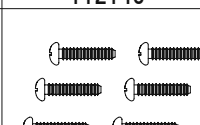
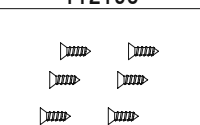
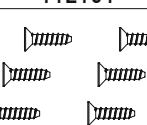
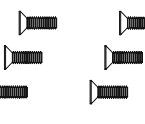
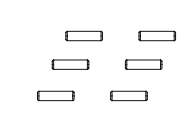
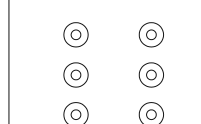


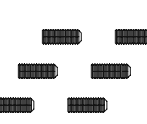


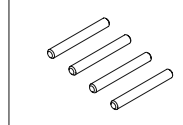
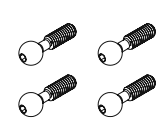
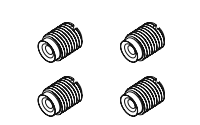
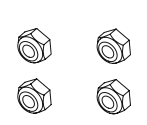
# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

<p>112300</p>  <p>Differentialsatz komplett Diff. Set</p>	<p>112301</p>  <p>Diff- Zahnrad / Diff- Gehäuse Diff. Bevel / Case Set</p>	<p>112302</p>  <p>Diff-Getriebsatz innen / Diff-Mitnehmer Diff. Gear Set</p>	<p>112303</p>  <p>Mittelkardan Center Shaft</p>	<p>112304</p>  <p>Hauptzahnrad 45Z Main Gear (45T)</p>	<p>112305</p>  <p>Kegelradsatz (2 Stk.) Drive Gear Set</p>
<p>112306</p>  <p>Getriebegehäusesatz Gear Box Cover Set</p>	<p>112307</p>  <p>Chassis Main Chassis</p>	<p>112308</p>  <p>Motor Einstellplatte Motor Setting Plate</p>	<p>112309</p>  <p>Motorhalter Motor Mount</p>	<p>112497</p>  <p>18 Z Ritzel 18 T pinion</p>	<p>112218</p>  <p>S18 Tuningmotor inkl. Stecker S18 tuningmotor incl connector</p>
<p>112311</p>  <p>Hauptzahnrad Abdeckung Main Gear Cover</p>	<p>112312</p>  <p>Lenkpfosten (2 Stk.) Steering Posts</p>	<p>112313</p>  <p>Innerer Lenkhebelsatz Steering Set</p>	<p>112314</p>  <p>Lenkungsplatte Steering Slider</p>	<p>112315</p>  <p>Kugelfkopf - Lenkung (6 Stk.) Steering Ball Nut</p>	<p>112316</p>  <p>Kugelfkopf (6 Stk.) Ball Nut</p>
<p>112319</p>  <p>Spurstangen Lenkung (3 Stk.) S 18 TC Steering Rod Set (3 pcs) S18 TC</p>	<p>112377</p>  <p>Lenkpfostenverstrebung (schwarz)-S 18 TC Steering Posts Top Plate (black)-S 18 TC</p>	<p>112320</p>  <p>Querlenkerhalter oben - Vorderachse Upper Arm Mount</p>	<p>112917</p>  <p>Rammer+Schaumstoff - S 18 TC Bumper+Foam - S 18 TC</p>	<p>112926</p>  <p>Dämpferbrücke vorne - S 18 TC Front Shock Tower - S 18 TC</p>	<p>112500</p>  <p>Obere Dämpferbefestigung (4 Stk.) Upper Shock standoffs</p>
<p>112324</p>  <p>Querlenkerhalter unten - Vorderachse Front Hinge Support</p>	<p>112927</p>  <p>Dämpferbrücke hinten - S18 TC Rear Shock Tower - S18 TC</p>	<p>112901</p>  <p>Lenkhebel vorne (L+R) - S18 TC Front Knuckles (L+R) - S18 TC</p>	<p>112900</p>  <p>Antriebskardan (4 Stk.) - S18 TC Drive Shaft (4 pcs.) - S18 TC</p>	<p>112904</p>  <p>Obere Querlenker vorne - S18 TC Front Upper Arm Set - S18 TC</p>	<p>112330</p>  <p>Achsstift 2x26.5mm (4 Stk.) 2x26.5mm Shaft</p>
<p>112905</p>  <p>Untere Querlenker vorne - S18 TC Front Lower Arm Set - S18 TC</p>	<p>112916</p>  <p>Innerer Querlenkerhalter hinten oben (2 Stk.) - S18 TC Inner Upper Rear Arm Mount (2 pcs.) - S18 TC</p>	<p>112907</p>  <p>Radträger hinten (2 Stk.) - S18 TC Rear Hub Carrier (2 pcs.) - S18 TC</p>	<p>112906</p>  <p>Untere Querlenkr hinten - S18 TC Rear Lower Arm Set - S18 TC</p>	<p>112335</p>  <p>Achsstiftkugel - Hinterachse Rear Hinge Ball</p>	<p>112336</p>  <p>Achsstift 2x37.5mm (4 Stk.) 2x37.5mm Lower Arm Shaft</p>
<p>112337</p>  <p>Querlenkerhalter unten - Hinterachse Rear Hinge Plate</p>	<p>112338</p>  <p>Querlenkerhalter Fixierung - Hinterachse Rear Hinge Stopper</p>	<p>112923</p>  <p>Dämpfer (2 Stk.) - S18 TC Shocks (2 pcs.) S18 TC</p>	<p>112134</p>  <p>O-Ring Set (8 Stk.) O-Ring (8pcs./Bag)</p>	<p>112924</p>  <p>Kolbenstangen (4 Stk.) - S18 TC Shock Shafts (4 pcs.) - S18 TC</p>	<p>112135</p>  <p>Dämpferkappe (4 Stk.) Shock Cap (4 pcs./Bag)</p>
<p>112139</p>  <p>Dämpfermembran (4 Stk.) Shock Diaphragm (4pcs./Bag)</p>	<p>112925</p>  <p>Federn (schwarz, 2 Stk.) - S18 TC Shock Springs (black, 2 pcs.) - S18 TC</p>	<p>112919</p>  <p>Einstell Clips (4 Stk.) - S18 TC Adjust Spacer (4 pcs.) - S18 TC</p>	<p>112347</p>  <p>Akkuhalter und Pfosten Battery Tray/Post</p>	<p>112921</p>  <p>Slick Reifen inkl. Einlage (2 Stk.) - S18 TC Slick Rubber Tires incl. Foam (2 Stk.) - S18 TC</p>	<p>112920</p>  <p>Dish-Felgen (weiss, 2 Stk.) - S18 TC Dish-Wheels (white, 2 pcs.) - S18 TC</p>

# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

<p>112918</p>  <p>Radmitnehmer (4 Stk.) - S18 TC Wheel Adapters (4 pcs.) - S18 TC</p>	<p>112908</p>  <p>Stabilisatorhalter vorne - S18 TC Sway Bar Mount Front - S18 TC</p>	<p>112909</p>  <p>Dämpfergehäuse (2Stk.) - S18 TC Shock Body (2pcs.) - S18 TC</p>	<p>112910</p>  <p>Federteller &amp; oberer Führungsring (4 Stk.) - S18 TC Spring Cup &amp; Upper Spring Spacer (4pcs.) - S18 TC</p>	<p>112911</p>  <p>Kolbenplatten &amp; Ausfederwegsbegrenzer (4Stk.) - S18 TC Shock Piston &amp; Troop-Limiter (4 pcs.) - S18 TC</p>	<p>112912</p>  <p>Dämpfer Dichtungs-Halter (4Stk.) - S18 TC Shock Seal Holder (4pcs.) - S18 TC</p>
<p>112913</p>  <p>Dämpferhalter oben+unten (4Stk.) - S18 TC Shock Mount Up+Down (4pcs.) - S18 TC</p>	<p>119914</p>  <p>Karosseriehalter (4Stk.) - S18 TC Body Post (4pcs.) - S18 TC</p>	<p>119915</p>  <p>Kugelflanne Querlenker hinten oben (4Stk.) - S18 TC Ball Cup Rear Upper Arm (4pcs.) - S18 TC</p>	<p>112902</p>  <p>Karosseriehalterung hinten - S18 TC Rear Body Post Mount - S18 TC</p>	<p>112351</p>  <p>Servo Saver Set Servo Saver Set</p>	<p>75430</p>  <p>LRP VTEC 1400 7.2V Race Stückerpack</p>
<p>119695 AC 110V</p> <p>119694 AC 240V</p>  <p>Akkuladegerät Wall Charger</p>	<p>112933</p>  <p>Kugellager 5x8mm (8Stk.) - S18 TC Ball Bearing 5x8mm (8pcs.) - S18 TC</p>	<p>112154</p>  <p>Kugellager 6x10mm (8Stk.) - S18 TC Ball Bearing 6x10mm (8pcs.) - S18 TC</p>	<p>112352</p>  <p>Kugellager 8x12mm (6 Stk.) 8x12mm Ball Bearing</p>	<p>112038</p>  <p>Antennenrohrset Blau (5 Stk.) Color Antenna (Blue) 5pcs/Set</p>	<p>112039</p>  <p>Antennenrohrkappe (6 Stk.) Antenna Cover (6pcs./Set)</p>
<p>119030</p>  <p>Karosseriepin (6 Stk.) R-Clips (6pcs./Set)</p>	<p>112353</p>  <p>Schraube 2x12mm (6 Stk.) 2x12mm Screw</p>	<p>112148</p>  <p>Linsenkopfschneidschraube 2.6x12mm (6Stk.) 2.6x12mm TP Screw (6pcs./Bag)</p>	<p>112935</p>  <p>Schraube 3x12mm (6Stk.) Screw 3x12mm (6pcs)</p>	<p>112363</p>  <p>Schraube 2x16mm (6 Stk.) 2x16mm Screw (6 pcs.)</p>	<p>112145</p>  <p>Linsenkopfschraube 2.6x6mm (6 St.) 2.6x6mm Screw (6pcs./Bag)</p>
<p>112146</p>  <p>Motorhalter Schraube (6 St.) Motor Plate Screw (6pcs./Bag)</p>	<p>112354</p>  <p>Schneidschraube 2x6mm (6 St.) 2x6mm TP Screw</p>	<p>112147</p>  <p>Linsenkopfschneidschr. 2.6x8mm (6 St.) 2.6x8mm TP Screw (6pcs./Bag)</p>	<p>112148</p>  <p>Linsenkopfschneidschraube 2.6x12mm (6St.) 2.6x12mm TP Screw (6pcs./Bag)</p>	<p>112150</p>  <p>Senkkopfschneidschraube 2x6mm (6 St.) 2x6mm TP Screw (6pcs./Bag)</p>	<p>112151</p>  <p>Senkkopfschneidschr. 2.6x10mm (6 St.) 2.6x10mm TP Screw (6pcs./Bag)</p>
<p>112152</p>  <p>Senkkopfschraube 2.6x8mm (6 St.) 2.6x8mm Screw (6pcs./Bag)</p>	<p>112356</p>  <p>Stift 2mm (6 St.) 2mm Pin</p>	<p>112936</p>  <p>Unterlegscheibe 2x5mm (6Stk.) Washer 2x5mm (6pcs)</p>	<p>112634</p>  <p>Madenschraube M3x3mm (6 Stk.) Set Screw M3x3mm (6 pcs.)</p>	<p>112937</p>  <p>Madenschraube 3x15mm (6St.) - S18 TC Set Screw 3x15mm (6pcs.) - S18 TC</p>	<p>112938</p>  <p>Madenschraube 3x8mm (6St.) - S18 TC Set Screw 3x8mm (6pcs.) - S18 TC</p>
<p>112153</p>  <p>E-Clip 2mm (16 St.) 2mm E-Clip (16pcs./Bag)</p>	<p>112355</p>  <p>E-Clip 3mm (6 St.) 3mm E-Clip (6pcs./Bag)</p>	<p>112929</p>  <p>Stift 2x16.5mm (4Stk.) - S18 TC Pin 2x16.5mm (4pcs.) - S18 TC</p>	<p>112930</p>  <p>Pivot Ball (4 Stk.) - S18 TC Pivot Ball (4pcs.) - S18 TC</p>	<p>112931</p>  <p>Pivot Ball Madenschraube (4St.) - S18 TC Pivot Ball Set Screw (4pcs.) - S18 TC</p>	<p>112232</p>  <p>2mm Stopmutter Aluminium (4 St.) 2mm Lock Nut Aluminium</p>
<p>112939</p> <p>TC Karosserie (unlackiert) - ausgeschnitten - S18 TC TC Body Shell (clear) - pre-cut - S18 TC</p>	<p>112940</p> <p>TC Karosserie (lackiert) - ausgeschnitten - S18 TC TC Body Shell (painted) - pre-cut - S18 TC</p>	<p>112941</p> <p>Dekorbogen - S18 TC Decal Sheet - S18 TC</p>	<p><b>Tuningteile finden Sie im Tuningteile Flyer. Bitte kontaktieren Sie Ihren Fachhändler. For option parts, see the Option Parts Information Flyer. Please contact your local dealer.</b></p> <p>LRP electronic GmbH - Wilhelm-Enssle-Str. 132-134 - 73630 Remshalden, Germany Tel.: int.+49-7181-4098-0 - Fax: int.+49-7181-4098-30 info@lrp-electronic.de www.LRP-ELECTRONIC.de</p>		

26 Ersatzteile /  
Spare Parts

LRP



# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

## Allgemeiner Gewährleistungs- und Reparaturbestimmungen

Produkte der LRP electronic GmbH (nachfolgend „LRP“ genannt) werden nach strengsten Qualitätskriterien gefertigt. Wir gewähren die gesetzliche Gewährleistung auf Produktions- und Materialfehler, die zum Zeitpunkt der Auslieferung des Produkts vorhanden waren. Für gebrauchstypische Verschleißerscheinungen wird nicht gehaftet. Diese Gewährleistung gilt nicht für Mängel, die auf eine unsachgemäße Benutzung, mangelnde Wartung, Fremdeingriff oder mechanische Beschädigung zurückzuführen sind. Dies liegt unter anderem vor bei:

- Unfallschäden
- Ausfall oder übermäßige Abnutzung einzelner Teile als Folge eines Unfallschadens
- Wasserschäden oder Probleme aufgrund von eingedrungenem Wasser/Feuchtigkeit
- Lackierte Karosserien, sobald diese benutzt worden sind

LRP tauscht keine kompletten Autos, wenn diese bereits benutzt wurden.

Senden Sie nicht das komplette Produkt ein, sondern nur die Teile, für die Sie einen Gewährleistungsanspruch geltend machen wollen. Wird das komplette Produkt eingeschickt behält sich LRP vor, die Arbeitszeit zur Demontage und Montage dem Kunden in Rechnung zu stellen.

Bevor Sie dieses Produkt zur Reparatur einsenden, prüfen Sie bitte zunächst alle anderen Komponenten in ihrem Modell und schauen Sie ggf. in der Fehlerfibel des Produktes (sofern vorhanden) nach, um andere Störquellen und Bedienfehler auszuschließen. Sollte das Produkt bei der Überprüfung durch unsere Serviceabteilung keine Fehlfunktion aufweisen, müssen wir Ihnen hierfür die angefallenen Bearbeitungskosten laut Preisliste berechnen.

Mit der Einsendung des Produktes muss der Kunde mitteilen, ob das Produkt in jedem Fall repariert werden soll. Sollte kein Gewährleistungs- oder Garantieanspruch bestehen, erfolgt die Produktüberprüfung und ggf. Reparatur in jedem Falle kostenpflichtig gemäß unserer Preisliste. Ein Gewährleistungs- oder Garantieanspruch kann nur anerkannt werden, sofern eine Kopie des Kaufbelegs beigefügt ist. Auf Ihre ausdrückliche Anforderung erstellen wir einen kostenpflichtigen Kostenvorschlag. Wenn Sie nach Zusendung des Kostenvorschlags den Auftrag zur Reparatur erteilen, entfallen die Kostenvorschlagskosten. An unseren Kostenvorschlag sind wir zwei Wochen ab Ausstellungsdatum gebunden. Für eine schnelle Abwicklung Ihres Servicefalls legen Sie bitte eine ausführliche Fehlerbeschreibung und ihre Adressdaten der Einsendung bei.

Falls ein zurückgesandtes, defektes Produkt von LRP nicht mehr produziert wird, und wir dieses nicht reparieren können, so erhalten Sie statt dessen ein mindestens gleichwertiges Produkt aus einer der Nachfolgeserien.

Die von LRP angegebenen Werte über Gewicht, Größe oder Sonstiges sind als Richtwert zu verstehen. LRP übernimmt keine formelle Verpflichtung für derartige spezifische Angaben, da sich durch technische Veränderungen, die im Interesse des Produkts vorgenommen werden, andere Werte ergeben können.

LRP-Werks-Service:

- Produkt mit Kaufbeleg und Fehlerbeschreibung bruchstreu verpacken.
- Einsenden an: LRP electronic GmbH – Serviceabteilung  
Wilhelm-Enssle-Str. 132-134, 73630 Remshalden, Deutschland  
Technik + Service Hotline: D: 0900 577 4624 (0900 LRP GMBH) (0.49€/Minute aus dem dt. Festnetz. Mobilfunkpreise können abweichen)  
A: 0900 270 313 (0.73€/Minute aus dem öst. Festnetz. Mobilfunkpreise können abweichen)  
eMail: [service@lrp.cc](mailto:service@lrp.cc) Web: [www.LRP.cc](http://www.LRP.cc)
- LRP repariert das Produkt.
- Rücksendung an Sie per Nachnahme.

## Repair Procedures / Limited Warranty

All products from LRP electronic GmbH (hereinafter called "LRP") are manufactured according to the highest quality standards. LRP guarantees this product to be free from defects in materials or workmanship for 90 days (non-european countris only) from the original date of purchase verified by sales receipt. This limited warranty doesn't cover defects, which are a result of misuse, improper maintenance, outside interference or mechanical damage. This applies among other things on:

- Crash damage
- Component failure or premature wear as a result of crash damage
- Water damage or problems resulting from water/moisture intake
- Painted bodies, after they have been used

LRP does not do a warranty change of the whole product, once the product has been used.

Do not send in the whole product. Only send in the defective parts, on which you want to claim warranty. If the whole product is send in, LRP will charge a service fee for the Disassembly and Assembly of the product at our discretion.

To eliminate all other possibilities or improper handling, first check all other components in your model and the trouble shooting guide, if available, before you send in this product for repair. If products are sent in for repair, which do operate perfectly, we have to charge a service fee according to our pricelist.

With sending in this product, the customer has to advise LRP if the product should be repaired in either case. If there is neither a warranty nor guarantee claim, the inspection of the product and the repairs, if necessary, in either case will be charged with a fee at the customers expense according to our price list. A proof of purchase including date of purchase needs to be included. Otherwise, no warranty can be granted. For quick repair- and return service, add your address and detailed description of the malfunction.

If LRP no longer manufactures a returned defective product and we are unable to service it, we shall provide you with a product that has at least the same value from one of the successor series.

The specifications like weight, size and others should be seen as guide values. Due to ongoing technical improvements, which are done in the interest of the product, LRP does not take any responsibility for the accuracy of these specs.

LRP-Distributor-Service:

- Package your product carefully and include sales receipt and detailed description of malfunction.
- Send parcel to your national LRP distributor.
- Distributor repairs or exchanges the product.
- Shipment back to you usually by COD (cash on delivery), but this is subject to your national LRP distributor's general policy.

# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

RA00166

ORDER NO.:  
**83045**



FORWARD + REVERSE  
**NO MOTORLIMIT**  
(WITH MICROSIZE MOTORS)

ORDER NO.:  
**83010**



FORWARD + REVERSE  
**OVER 18 TURNS**  
60 AMPS

ORDER NO.:  
**83060**



FORWARD + REVERSE  
**OVER 15 TURNS**  
75 AMPS

## USER GUIDE



LRP electronic GmbH  
Wilhelm-Enssle-Str. 132-134, 73630 Remshalden, Germany  
Tel.: int+49-7181-4098-0, Fax: int+49-7181-4098-30  
INFO@LRP.CC WWW.LRP.CC



### WARNING NOTES

**IMPORTANT:** Never leave your RC model unsupervised when the battery is plugged in. If a defect occurs, it could set fire to the model or the surroundings.

• Never wrap your speed-control in plastic film or metal foil. In fact, make sure it gets enough fresh air.

**IMPORTANT:** Pay close attention to the following points, as they will destroy the speed-control and void your warranty:

• Never solder a Schottky diode to the motor when you are using an LRP A.I.Runner/Runner-Plus (or LRP A.I.Micro) speed-control. A Schottky diode will destroy any forward/reverse speed-control.

• Never allow the output stages (FETs) to touch a metal surface - short-circuit hazard.

• Never cut off the original power plug.

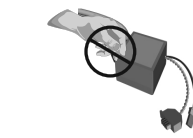
• If the speed-control is connected to the motor, never run the motor directly with a separate battery or run-in device.

• Never connect the speed-control incorrectly or with reversed polarity.

• All wires and connections have to be well insulated. Short-circuits will destroy the speed-control. Pay special attention to the receiver- and switch wires.

• Never change the polarity of the receiver connector.

• Never open the speed-control and never solder on the PCB.



### INSTALLATION TIPS

• Affix the speed-control using the supplied doubled-sided adhesive tape.

• Make sure there are enough cooling slits in the body. This will increase the performance and life of all the electronic components.

• Position the speed-control where it is protected in the event of a crash.

• Install the speed-control so that you have easy access to the plugs.

• Make sure there is enough clearance (about 3cm) between the speed-control, power cable and antenna receiver. Avoid any direct contact between power components, the receiver or the antenna. This can cause interference. If interference occurs, position the components at a different place in the model.

• The aerial should be run vertically up and away from the receiver. Avoid contact with any parts made of carbon fibre or metal. If the aerial is too long, don't coil up the excess length. It is better to cut it down to a length of about 35 cm. See also the instructions supplied with your radio control system.

**IMPORTANT (A.I.Runner and Runner-Plus only!):**

• The supplied heatsink is important and improves the performance of your speed-control when used close to its specified limits. Use only genuine LRP A.I.Runner series heatsinks. Never allow the Fet tabs to touch other Fets, short circuit would occur!

• The LRP A.I.Micro Reverse doesn't come with a heatsink and doesn't require a heatsink either!



### INSTALLATION

- Solder the capacitors to the motor.
- Attach the speed-control to the model.
- Connect the speed-control to the receiver (Position: channel 2).
- Connect the speed-control to the motor, using the blue (-) and yellow (+) wires (only yellow connector on A.I.Micro Reverse!).

• Then check all connections before connecting the speed-control to a battery.

**CAUTION:** If a connection is incorrect, it will destroy the speed-control.

• The speed-control is now ready to start.

Dear Customer,  
thank you for your trust in this LRP product. By purchasing an LRP A.I.Runner/Runner-Plus (or LRP A.I.Micro) Reverse digital speed-control, you have chosen a high-performance speed-control full of new design features, such as:

- Fully waterproof and shock-resistant
- Multi-Protection System
- LRP A.I. Automatic Setup
- Fail Safe System

Please read and understand these instructions completely before you use this product!  
With operating this product, you accept the LRP warranty terms.

### SPECIFICATION

Product	A.I.Micro	A.I.Runner	A.I.Runner-Plus
Order No.	83045	83010	83060
Forward/Brake/Reverse	yes	yes	yes
Case Size	26.0x26.0x15.7mm	26.0x26.0x15.7mm	26.0x26.0x15.7mm
Weight (excl. wires)	19.0g	19.0g	19.0g
Voltage Input	4-6 cells (4.8-7.2V)	4-6 cells (4.8-7.2V)	4-6 cells (4.8-7.2V)
Typical Voltage Drop*	0.160V@10A	0.320V@20A	0.144V@20A
Rated Current*	60A	60A	75A
Rec. Motor Limit	No Motorlimit***	Over 18Turn**	Over 15Turn**
B.E.C.	5.0V	5.0V	5.0V
High Frequency	yes	yes	yes
Fail-Safe-System	yes	yes	yes
Multi-Protection-System	yes	yes	yes
Connectors	Standard Micro Style	Standard Tamiya Style	Standard Tamiya Style
Setup Procedure	Automatic	Automatic	Automatic

\* Transistors rating at 25°C junction temperature. Specifications subject to change without notice.

\*\* @6cells (7.2V), using single motor

\*\*\* @6cells (7.2V) using micro motor.

### CONNECTIONS

**A.I.MICRO Reverse (#83045):**

Yellow Connector (Motor)

Red Connector (Battery)

Receiver Lead

**RECEIVER CONNECTING WIRE:**

This LRP speed-control is equipped with a LRP Multicon receiver wire. As supplied, it will easily fit in all ordinary receivers.

**A.I.RUNNER Reverse (#83010)**  
**A.I.RUNNER-PLUS Reverse (#83060)**

Motor Connector  
(yellow = plus) (blue = minus)

Tamiya Connector (Battery)

Receiver Lead

### WATERPROOF

• Due to latest production technologies and use of HighTech materials, it was possible to make these speed-controls fully waterproof! This material also makes the speed-controls more shock resistant than other similar products.

• It's no longer needed to seal your speed-control when you are driving in the rain/snow! But please make sure you still seal your other electronic components (receiver and servo) since these are normally not waterproof.

### MOTOR SUPPRESSION

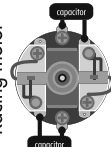
Motors with no capacitors or not enough capacitors may interfere with the speed-control. To avoid this, solder the supplied capacitors to your motor (see picture).

**CAUTION:** Never use Schottky diodes in conjunction with a forward/reverse speed-control, e.g. the LRP A.I.Runner/Runner-Plus (or LRP A.I.Micro) Reverse digital speed-control.

Mabuchi motor



Racing motor

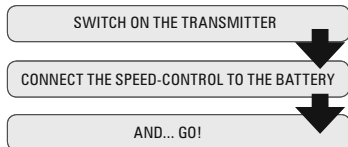


# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

## SET-UP PROCEDURE

After wiring up the speed-control, it is ready to operate. No setup is required. The speed-control „learns“ the neutral, full-speed forward and full-speed reverse points while the car is running. Please note: Before you plug in the drive battery, set the transmitter to neutral position and then start the model in the forward direction.



- If you have made a mistake so far, don't worry: Unplug the battery for about 10 seconds and start over again.
- After the run, first unplug the battery and then switch off the transmitter. When you start again, first switch on the transmitter and then plug in the battery.

## SPECIAL FEATURES

### AUTOMATIC SETUP

Due to the LRP exclusive A.I. Automatic Technology, there is no need for a manual setup of the speed-control by pushbuttons or potentiometers. All you need to do is simply plug in the speed-control and you're ready to go. The speed-control „learns“ the neutral, full-speed forward and full-speed reverse point of the radio system while the car is running. This way, the speed-control has the optimized setup for every run - automatically. Incorrect or imperfect setups are a thing of the past with the LRP A.I.Runner/Runner-Plus (or A.I.Micro) Reverse speed-controls.

### FAIL-SAFE SYSTEM

What is Fail Safe ?

Digital protection against radio interference, „The guardian angel“. The safety electronic can detect reception of a „false“ or incomplete radio signal, e.g. due to a low transmitter battery or environmental radio interference which reach the model, or if the model is out of the transmitter range. For protection against damage, the speed-control switches to the neutral position, and the model comes to a stop.

LRP's tip: The model will remain in a standstill, even if you connect the drive battery to the speed-control first and then switch on the transmitter! Provides perfect protection against mistakes commonly made by beginners.

### REVERSE OPERATION

No reverse time limit!

The LRP A.I.Runner/Runner-Plus (or A.I.Micro) Reverse speed-controls have no reverse time limit.

### MULTI-PROTECTION SYSTEM, 3-way Protection

This unique monitoring software is the perfect protection for the LRP A.I.Runner/Runner-Plus (or A.I.Micro) Reverse speed-controls against short-circuits (motor), overload and overheating. If your speed-control is ever faced with overload, the motor function is switched off for protection, although the steering function is maintained.

Wait a few minutes to allow the speed-control to cool down.

If the speed-control switches off frequently, either the motor used is too strong, the motor pinion is too big or you are using full brake too often. You can improve this if you make additional cooling slots in the body.

## TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE	REMEDY
Servo is working, no motor function.	Speed-control plugged in incorrectly	Plug speed-control in Ch 2
	Overload protection activated	Allow speed-control to cool down
	Wiring problem	Check wires and plugs
	Motor defective	Replace motor
	Motor brushes jammed.	Check whether brushes are moving freely
	Speed-control defective	Send in product for repair
No servo and no motor function.	Speed-control plugged in incorrectly	Plug speed-control in with correct polarity
	Crystal defective	Replace components one by one.
	Receiver defective	
	Transmitter defective	
	Speed-control defective	Send in product for repair
Motor runs in reverse when accelerating forward on the transmitter.	Throttle stick polarity at transmitter changed while driving	Repeat startup procedure
	Motor connected incorrectly	Connect motor correctly
Insufficient performance. E.g. poor brake power, reverse power, topspeed or acceleration...	Motor pinion or gear ratio too long.	Use smaller motor pinion or shorter gear ratio
	Transmitter settings were changed after startup.	Repeat startup procedure
	Motor worn out	Maintain motor
	Motor defective	Replace motor
Speed-control overheats or switches off frequently.	Speed-control defective.	Send in product for repair
	Reduced cooling efficiency	Cut cooling holes in body
	Motor stronger than motor limit or input voltage higher too high	Use only motors within motor limit and use batteries according to the specifications of the speed-control
	Motor pinion or gear ratio too big	Use smaller motor pinion or shorter gear ratio
	Drive train or bearing problems.	Check or replace components.
	Model used too often without cool-down periods	Let speed-control cool down after every run
Motor never stops, runs at constant slow speed	Transmitter settings were changed after startup	Repeat startup procedure
	Speed-control defective	Send in product for repair
Radio interference	Motor suppressors not sufficient	Solder capacitors to motor
	Receiver or antenna too close to power wires, motor, battery or speed-control. Receiver aerial too short or coiled up	See „Installation Tips“ and „Installation“
	Receiver defective, too sensitive; transmitter defective, transmitter output power too low, servo problem	Replace components one by one. Only use original manufacturers crystals
	Poor battery connection	Check plugs and connecting wires
	Transmitter batteries empty	Replace / recharge transmitter batteries at regular intervals
	Transmitter antenna too short	Pull out antenna to full length

## REPAIR PROCEDURES / LIMITED WARRANTY

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- Cut off original power plug or not using reverse polarity protected plugs
- Receiver wire and/or switch wire damaged
- Mechanical damage of the case
- Mechanical damage of electrical components/PCB
- Soldered on the PCB (except on external solder-tabs)
- Connected speed-control with reversed polarity

With Limited Lifetime Warranty products, the warranty terms on the Limited Lifetime Warranty card do also apply.

To eliminate all other possibilities or improper handling, first check all other components and the troubleshooting guide before you send in this product for repair or warranty. Products sent in for repair, that operate perfect have to be charged with a service fee.

By sending in this product, you assign LRP to repair the product, if it is no warranty or Limited Lifetime Warranty case. The original sales receipt including date of purchase needs to be included. Otherwise, no warranty can be granted. For quick repair- and return service, add your address and detailed description of the malfunction.

Our limited warranty liability shall be limited to repairing the unit to our original specifications. In no case shall our liability exceed the original cost of this unit. Because we don't have control over the installation or use of this product, we can't accept any liability for any damages resulting from using this product. By installing or operating this product, the user accepts all resulting liability.

The specifications like weight, size and others should be seen as guide values. Due to ongoing technical improvements, which are done in the interest of the product, LRP does not take any responsibility for the accuracy of these specs.

### LRP-DISTRIBUTOR-SERVICE:

- Package your product carefully and include sales receipt and detailed description of malfunction.
- Send parcel to your national LRP distributor.
- Distributor repairs or exchanges the product.
- Shipment back to you usually by COD (cash on delivery), but this is subject to your national

# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
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ORDER NO.:  
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FORWARD + REVERSE  
**OVER 15 TURNS**  
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INFO@LRP.CC WWW.LRP.CC



### WARNING NOTES

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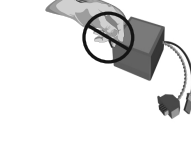
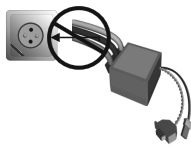
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### INSTALLATION TIPS

• Affix the speed-control using the supplied doubled-sided adhesive tape.

• Make sure there are enough cooling slits in the body. This will increase the performance and life of all the electronic components.

• Position the speed-control where it is protected in the event of a crash.

• Install the speed-control so that you have easy access to the plugs.

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### INSTALLATION

- Solder the capacitors to the motor.
- Attach the speed-control to the model.
- Connect the speed-control to the receiver (Position: channel 2).
- Connect the speed-control to the motor, using the blue (-) and yellow (+) wires (only yellow connector on A.I.Micro Reverse!).
- Then check all connections before connecting the speed-control to a battery.

**CAUTION:** If a connection is incorrect, it will destroy the speed-control.

• The speed-control is now ready to start.

Dear Customer,  
thank you for your trust in this LRP product. By purchasing an LRP A.I.Runner/Runner-Plus (or LRP A.I.Micro) Reverse digital speed-control, you have chosen a high-performance speed-control full of new design features, such as:

- Fully waterproof and shock-resistant
- Multi-Protection System
- LRP A.I. Automatic Setup
- Fail Safe System

Please read and understand these instructions completely before you use this product!  
With operating this product, you accept the LRP warranty terms.

### SPECIFICATION

Product	A.I.Micro	A.I.Runner	A.I.Runner-Plus
Order No.	83045	83010	83060
Forward/Brake/Reverse	yes	yes	yes
Case Size	26.0x26.0x15.7mm	26.0x26.0x15.7mm	26.0x26.0x15.7mm
Weight (excl. wires)	19.0g	19.0g	19.0g
Voltage Input	4-6 cells (4.8-7.2V)	4-6 cells (4.8-7.2V)	4-6 cells (4.8-7.2V)
Typical Voltage Drop*	0.160V@10A	0.320V@20A	0.144V@20A
Rated Current*	60A	60A	75A
Rec. Motor Limit	No Motorlimit***	Over 18Turn**	Over 15Turn**
B.E.C.	5.0V	5.0V	5.0V
High Frequency	yes	yes	yes
Fail-Safe-System	yes	yes	yes
Multi-Protection-System	yes	yes	yes
Connectors	Standard Micro Style	Standard Tamiya Style	Standard Tamiya Style
Setup Procedure	Automatic	Automatic	Automatic

\* Transistors rating at 25°C junction temperature. Specifications subject to change without notice.

\*\* @6cells (7.2V), using single motor

\*\*\* @6cells (7.2V) using micro motor.

### CONNECTIONS

**A.I.MICRO Reverse (#83045):**

Yellow Connector (Motor)

Red Connector (Battery)

Receiver Lead

#### RECEIVER CONNECTING WIRE:

This LRP speed-control is equipped with a LRP Multicon receiver wire. As supplied, it will easily fit in all ordinary receivers.

**A.I.RUNNER Reverse (#83010)**  
**A.I.RUNNER-PLUS Reverse (#83060)**

Motor Connector  
(yellow = plus) (blue = minus)

Tamiya Connector (Battery)

Receiver Lead

### WATERPROOF

• Due to latest production technologies and use of HighTech materials, it was possible to make these speed-controls fully waterproof! This material also makes the speed-controls more shock resistant than other similar products.

• It's no longer needed to seal your speed-control when you are driving in the rain/snow! But please make sure you still seal your other electronic components (receiver and servo) since these are normally not waterproof.

### MOTOR SUPPRESSION

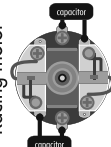
Motors with no capacitors or not enough capacitors may interfere with the speed-control. To avoid this, solder the supplied capacitors to your motor (see picture).

**CAUTION:** Never use Schottky diodes in conjunction with a forward/reverse speed-control, e.g. the LRP A.I.Runner/Runner-Plus (or LRP A.I.Micro) Reverse digital speed-control.

Mabuchi motor



Racing motor



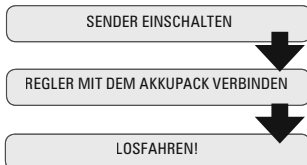
# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

## INBETRIEBNAHME

Nach Anschluss des Fahrtenreglers ist Ihr Regler sofort betriebsbereit. Ein Setup muss nicht durchgeführt werden. Der Regler „lernt“ bei der Fahrt den Neutral-, Vollgas Vorwärts- und Vollgas Rückwärts-Punkt.

**Bitte beachten:** Beim Anstecken des Fahrakku muss der Sender in Neutralposition stehen und es sollte in Fahrtrichtung des Modells losgefahren werden.



- Sollten Sie jetzt einen Fehler gemacht haben, so ist das kein Problem: Stecken Sie den Akku für ca. 10 Sekunden aus und beginnen Sie von vorne.
- Stecken Sie nach der Fahrt zuerst Ihren Akku aus und schalten Sie dann den Sender ab. Bei erneutem Beginn zuerst Sender einschalten, dann den Akku anstecken.

## SPECIAL FEATURES

### AUTOMATIC SETUP

Die LRP exklusive A.I. Automatic Technologie macht das lästige Reglersetup über Potentiometer oder Taster überflüssig: Einfach Regler einstecken und losfahren. Der Regler „lernt“ bei der Fahrt den Neutral-, Vollgas Vorwärts- und Vollgas Rückwärts-Punkt der Fernsteuerung selbstständig. Somit haben Sie bei jeder Fahrt einen perfekt eingestellten Regler - automatisch. Falsche Setupeinstellungen gehören mit dem A.I.Runner/Runner-Plus (oder A.I.Micro) Reverse der Vergangenheit an.

### FAIL SAFE SYSTEM

Was ist Fail Safe ?

Digitaler Schutz gegen Funkstörungen, „Die schützende Hand“. Dies ist eine Schutzelektronik, die erkennt, wenn „falsche“ oder unvollständige Funksignale z.B. durch leerem Senderakku, umweltspezifische Funkstörungen das Modell erreichen oder das Modell sich außerhalb der Senderreichweite befindet. Damit das Modell keinen Schaden nimmt, schaltet der Regler in die Neutral Position und das Modell bleibt stehen.

LRP Tipp: Das Modell bleibt auch stehen, wenn zuerst der Fahrakku am Regler eingesteckt und danach erst der Sender eingeschaltet wird! Perfekter Schutz gegen häufige Einsteigerfehler.

### RÜCKWÄRTSFAHRT

Keine Zeitbeschränkung des Rückwärtsgangs:

Der A.I.Runner/Runner-Plus (oder A.I.Micro) Reverse hat keinerlei Zeitbeschränkung des Rückwärtsgangs.

### MULTI-PROTECTION-SYSTEM, 3-fach Schutzfunktion

Durch diese einzigartige 3-fach Überwachungs-Software sind der A.I.Runner/Runner-Plus (oder A.I.Micro) Reverse gegen Kurzschluss (Motor), Überlastung und Übertemperatur perfekt geschützt. Falls Ihr Regler mit einer dieser Überbelastungen konfrontiert wird, wird zum Schutz die Motorfunktion abgeschaltet. Die Lenkfunktion voll erhalten bleibt. Warten Sie ein paar Minuten, um den Regler abkühlen zu lassen.

Schaltet der Regler zu häufig ab, ist der eingesetzte Motor zu stark, das Motorritzel zu groß oder Sie bremsen zu häufig mit Bremsknüppel-Vollausschlag. Eine Verbesserung erreichen Sie auch durch zusätzliche Kühlöffnungen in der Karosserie.

## FEHLERFIBEL

SYMPTOM	URSACHE	MASSNAHME
Servo arbeitet, keine Motorfunktion	Empfängerstecker falsch eingesteckt	Stecken Sie ihn in „Channel 2“
	Überlastschutz aktiviert	Regler abkühlen lassen
	Verkabelungsproblem	Kabel und Verbinder prüfen
	Motor defekt	Motor tauschen
	Motorkohle verklemmt	Motorkohle „freigängig“ machen
	Regler defekt	Zur Reparatur einschicken
Keine Servo- und keine Motorfunktion	Empfängerstecker falsch eingesteckt	Polung des Empfängersteckers prüfen
	Quarz defekt	Komponenten Schritt für Schritt tauschen
	Empfänger defekt	
	Sender defekt	
	Regler defekt	Zur Reparatur einschicken
Motor dreht sich rückwärts beim Gasgeben vorwärts	Gasknüppelpolung am Sender wurde während der Fahrt geändert	Inbetriebnahme wiederholen
	Motor falsch angeschlossen	Motor richtig anschließen
Schlechte Performance! z.B. Schwache Bremse, schwache Rückwärtsfahrt oder ungenügender Toppspeed	Motorritzel zu groß (Untersetzung zu lang)	Kleineres Motorritzel verwenden
	Sendereinstellungen wurden nach Inbetriebnahme verändert	Inbetriebnahme wiederholen
	Regler defekt	Zur Reparatur einschicken
Regler wird zu heiß oder schaltet oft ab	Ungenügende Kühlung	Kühlöffnungen in Karosserie schneiden
	Motor stärker als Motorlimit des Reglers oder Eingangsspannung höher als zulässig	Motor entsprechend dem Motorlimit des Reglers einsetzen oder Akku gemäß Spezifikationen des Reglers einsetzen
	Motorritzel zu groß (Untersetzung zu lang)	Kleineres Motorritzel verwenden
	Autoantrieb- oder Lagerproblem	Komponenten prüfen oder tauschen
Motor bleibt nie stehen; läuft immer langsam	Modell zu oft ohne Kühlpause betrieben	Regler nach jedem gefahrenen Akku abkühlen lassen
	Sendereinstellungen wurden nach Inbetriebnahme verändert	Inbetriebnahme wiederholen
Funkstörungen	Regler defekt	Zur Reparatur einschicken
	Motor nicht ausreichend entstört	Kondensatoren an Motor löten
	Empfänger oder Antenne zu nahe an Powerkabel, Motor, Akku oder Regler; Empfängerantenne zu kurz oder aufgewickelt	Siehe „Einbautipps“ und „Installation“
	Empfänger defekt, zu empfindlich; Sender defekt, Senderausgangsleistung zu gering; Servo-Problem.	Komponenten Schritt für Schritt tauschen Nur Originalquarze verwenden
	Akkuverbindung schlecht	Verbinder/Stecker prüfen
Senderbatterien/-akkus leer	Batterien tauschen, Akkus aufladen	
Senderantenne zu kurz	Senderantenne voll ausziehen	
Senderbatterien/-akkus leer	Batterien tauschen, Akkus aufladen	
Senderantenne zu kurz	Senderantenne voll ausziehen	

## ALLGEMEINE GEWÄHRLEISTUNGS- UND REPARATURBESTIMMUNGEN

Produkte der LRP electronic GmbH (nachfolgend „LRP“ genannt) werden nach strengsten Qualitätskriterien gefertigt. Wir gewähren die gesetzliche Gewährleistung auf Produktions- und Materialfehler, die zum Zeitpunkt der Auslieferung des Produkts vorhanden waren. Für gebrauchstypische Verschleißerscheinungen wird nicht gehaftet. Diese Gewährleistung gilt nicht für Mängel, die auf natürliche Abnutzung/Verschleiß, eine unsachgemäße Benutzung oder mangelnde Wartung zurückzuführen sind. Dies liegt unter Anderem vor bei:

- Stecker abgeschnitten bzw. kein verpoltes Stecksystem
- Empfängerkabel und/oder Schalter beschädigt
- Gehäuse mechanisch beschädigt
- Mechanische Beschädigung der Bauteile/Platine
- Auf der Platine gelötet (Ausnahme außen liegende Lötaschen)
- Akkuseitig verpolt

Bei Limited Lifetime Warranty Produkten gelten zusätzlich die Garantiebestimmungen auf der Limited Lifetime Warranty Card.

Bevor Sie dieses Produkt zur Gewährleistung oder Reparatur einsenden, prüfen Sie bitte alle anderen verwendeten Komponenten und schauen Sie in der Fehlerfibel nach, um andere Störquellen und Bedienfehler auszuschließen. Sollte das Produkt bei der Überprüfung durch unsere Serviceabteilung keine Fehlfunktion aufweisen, müssen wir Ihnen hierfür eine Bearbeitungspauschale berechnen.

Mit der Einsendung des Produktes erteilen Sie LRP einen Reparaturauftrag für den Fall, dass kein Gewährleistungsanspruch oder Limited Lifetime Warranty Anspruch vorliegt. Ein Gewährleistungsanspruch kann nur anerkannt werden, sofern eine Kopie des Kaufbelegs beigefügt ist. Auf Ihre ausdrückliche Anforderung erstellen wir einen kostenpflichtigen Kostenvoranschlag. Wenn Sie nach Zusendung des Kostenvoranschlags den Auftrag zur Reparatur erteilen, entfallen die Kostenvoranschlagskosten. An unseren Kostenvoranschlag sind wir zwei Wochen ab Ausstellungsdatum gebunden.

Da wir einen ordnungsgemäßen Gebrauch unserer Produkte nicht überwachen können, übernehmen wir keinerlei Haftung für unmittelbare und mittelbare Schäden aller Art, die im Rahmen des Gebrauchs oder auch sonst beim Benutzer und/oder Dritten entstehen. Jeglicher Gebrauch dieses Produktes erfolgt daher auf eigene Gefahr. Die Gewährleistung übersteigt in keinem Fall den Wert dieses Produktes. Durch Inbetriebnahme des Produktes erkennen Sie die obigen Bedingungen an und übernehmen die volle Verantwortung aus dem Gebrauch dieses Produktes.

Die von LRP angegebenen Werte über Gewicht, Größe oder Sonstiges sind als Richtwert zu verstehen. LRP übernimmt keine formelle Verpflichtung für derartige spezifische Angaben, da sich durch technische Veränderungen, die im Interesse des Produktes vorgenommen werden, andere Werte ergeben können.

### LRP-WERKS-SERVICE:

- Produkt mit Kaufbeleg und Fehlerbeschreibung bruchsicher verpacken.
- Einsenden an: LRP electronic GmbH – Serviceabteilung  
Wilhelm-Enssle-Str. 132-134  
73630 Remshalden, Deutschland  
Fax: int.+49 7181 4098-13  
eMail: service@lrp.cc  
Web: www.lrp.cc
- LRP repariert das Produkt.
- Rücksendung an Sie per Nachnahme.



# S18-TC

LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

NOTIZEN/NOTES:

Lined area for notes, consisting of multiple horizontal dotted lines.

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LRP 1/18 SCALE HIGH-PERFORMANCE  
4WD ELECTRIC R/C TOURING CAR

NOTIZEN/NOTES:

Lined area for notes, consisting of 20 horizontal dotted lines.

# S18-TC

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Lined area for notes, consisting of 20 horizontal dotted lines.



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4WD ELECTRIC R/C TOURING CAR**

LRP electronic GmbH, Wilhelm-Enssle-Str. 132-134, 73630 Remshalden, Deutschland

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0900 577 4624 (0900 LRP GMBH)

(0,49eur/Minute aus dem deutschen Festnetz, Mobilfunkpreise können abweichen)

Technik + Service Hotline für A:  
0900 270 313

(0,73eur/Minute aus dem österreichischen Festnetz, Mobilfunkpreise können abweichen)

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