



ECX® **AMP CRUSH**™



HORIZON®
H O B B Y

1/10 2WD ELECTRIC MONSTER TRUCK

ECX03048T1/T2

ECX03048IT1/T2

INSTRUCTION MANUAL
BEDIENUNGSANLEITUNG
MANUEL D'UTILISATION
MANUALE DI ISTRUZIONI

Congratulations on your purchase of the ECX® Amp Crush™.

This 1/10-scale model introduces you to the sport of RC driving.

Herzlichen Glückwunsch zum Kauf des ECX Amp Crush.

Dieses 1/10 Scale Model öffnet Ihnen die Welt des RC Car Sports.

Nous vous félicitons pour l'achat de l'ECX Amp Crush.

Ce modèle 1/10 vous initie à la conduite RC.

Congratulazioni per l'acquisto di questo Amp Crush.

Questa vettura in scala 1/10 vi introdurrà nel mondo dei modelli RC.

MAINTENANCE

SETTING THE GEAR MESH

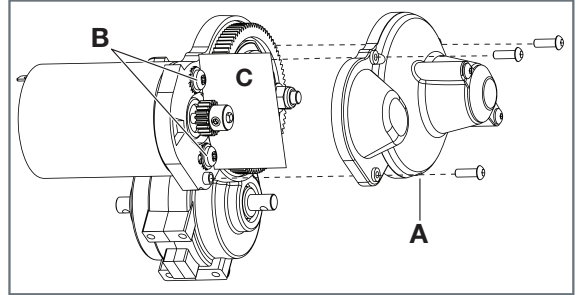
The gear mesh has already been set at the factory. Setting the gear mesh is only necessary when changing motors or gears.

You must remove the vehicle's gear cover (**A**) to make this adjustment.

Proper gear mesh (how the gear teeth meet) is important to the performance of the vehicle. When the gear mesh is too loose, the spur gear could be damaged by the pinion gear of the motor. If the mesh is too tight, speed could be limited and the motor and ESC will overheat.

Set the gear mesh by following these simple steps:

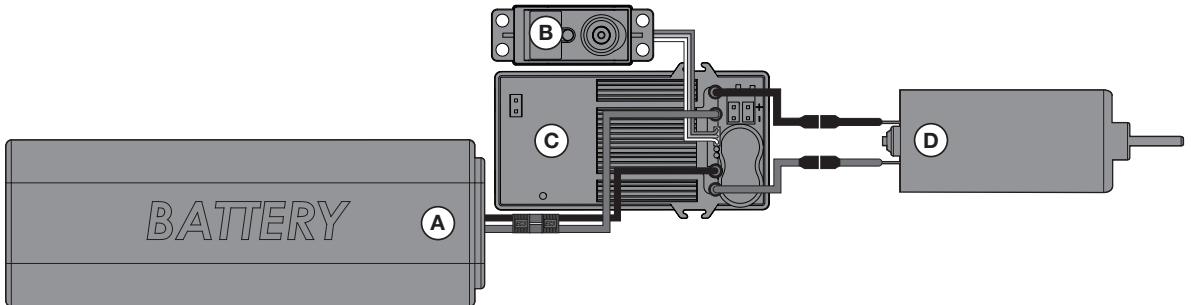
1. Loosen the 2 motor screws (**B**).
2. Put a small piece of paper (**C**) between the pinion and spur gears.
3. Push the gears together while tightening the motor screws.
4. Rotate the gears to remove the paper. The gearing should move a small amount.
5. Reinstall the gear cover.



ELECTRICAL LAYOUT

Number	Description
A	DYN1171 Dynamite 20T Brushed Motor
B	DYNC1050EC Dynamite Speedpack 1800mAh Ni-MH 6 Cell with EC3™
C	SPMS603* Waterproof Steering Servo
D	ECX13010 ESC/RX 2.4GHz V4

*OEM part only. Replacement, please use SPMS6170.



SHOCK CLEANING

Oil-filled shocks require regular maintenance because the oil breaks down or gets dirty. Perform this maintenance after every 3–5 hours of use, depending on the conditions.

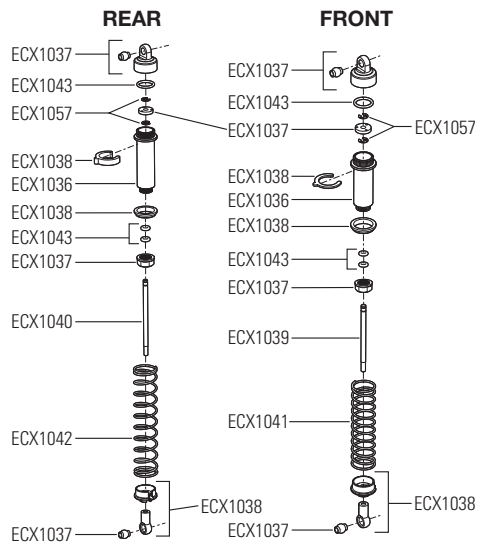
- Remove the shock from the vehicle.
- Remove the cap from the shock body and dispose of fluid.
- Disassemble the shock. Clean thoroughly with a plastic- and electronic-safe degreaser (DYNE50001). Dry parts before assembly.
- Re-assemble the shock and refill the shock body with silicone fluid (30 weight recommended).
- Slowly move the shaft and piston up and down to remove air bubbles.
- Move the piston to the midway point of the body and install the cap.
- Wipe off any overflowing fluid.
- When properly filled, the piston should rebound about 3/8 in (9.5mm) after being pushed in fully.
- Re-install the shock on the vehicle.

RIDE HEIGHT ADJUSTMENT

Ride height is an adjustment that affects the way the vehicle jumps, turns and goes over bumps. Drop one end of the vehicle from approximately 6 inches (152 mm) in height onto a flat surface. After the vehicle settles, verify the front arms are equal and parallel to the flat surface. Do the same with the rear to make sure both arms are parallel with the flat surface.

Lowering the front ride height increases steering, but decreases traction. Lowering the rear ride height increases traction, but decreases steering.

SHOCK ABSORBER PARTS



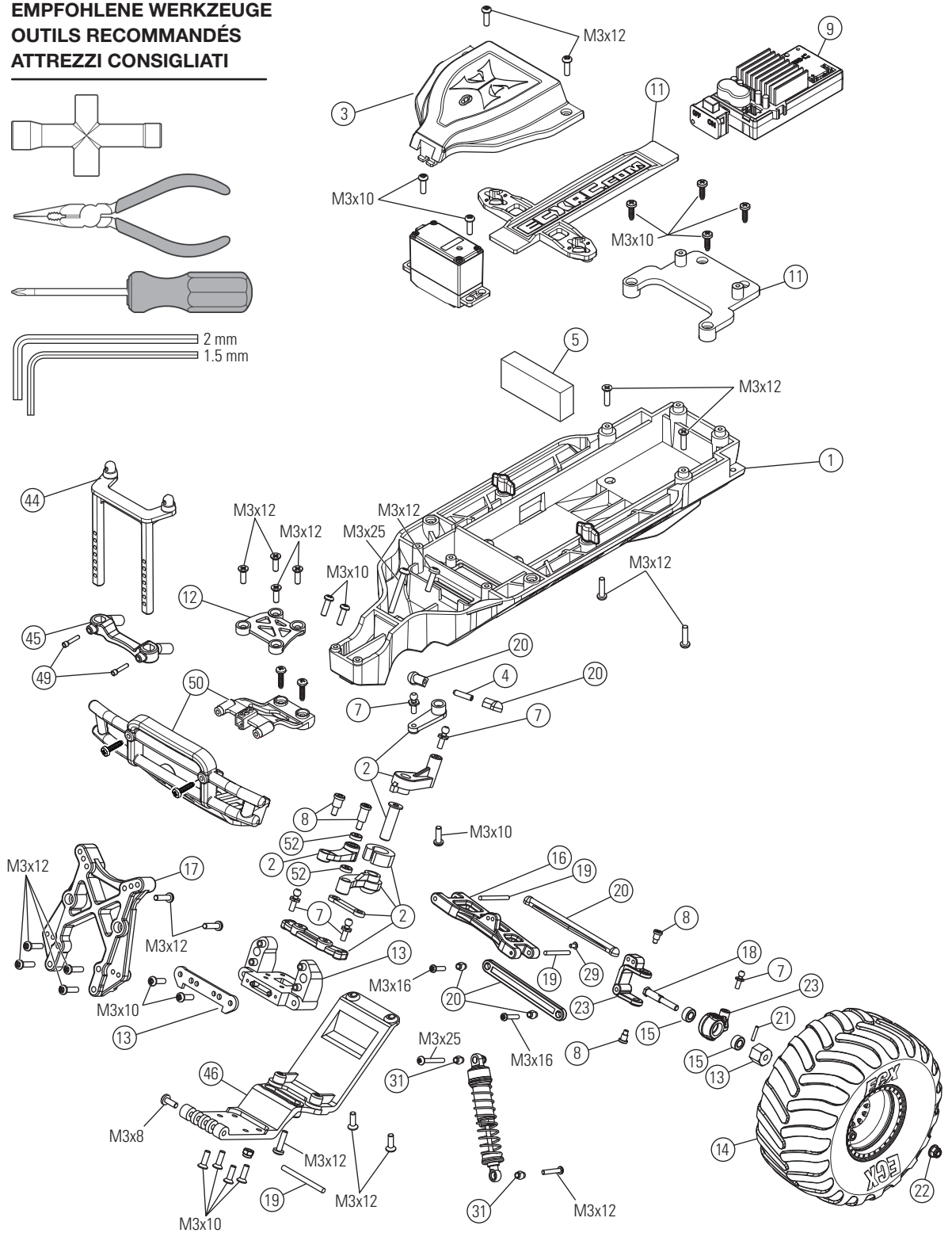
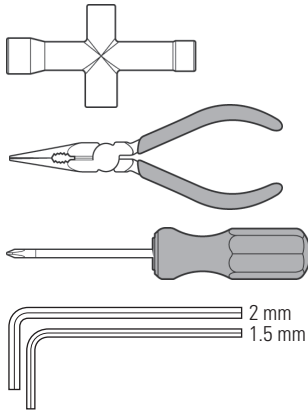
Part #	Description	Part #	Description
ECX1036	Shock Body Set	ECX1040	Rear Shock Shaft (2)
ECX1037	Shock Caps, Pistons	ECX1041	Front Shock Springs (2)
ECX1038	Shock Parts Set	ECX1042	Rear Shock Springs (2)
ECX1039	Front Shock Shaft (2)	ECX1043	Shock O-Ring Set

FASTENERS

No.	Description	No.	Description	No.	Description	No.	Description
	Tapping Binder Head M3x10 mm		Tapping Flat Head M2x16mm		Step Screw M3x0.5x7.4 mm		Washer 5x7x0.5 mm
	Tapping Binder Head M3x12 mm		Binder Head M3x8mm		Step Screw M3x0.5x13.4 mm		Washer 3x8x0.5 mm
	Tapping Binder Head M3x16 mm		Binder Head M3x12mm		Step Screw M3x0.5x10.5 mm		Washer 2x7x0.5 mm
	Tapping Binder Head M3x18 mm		Binder Head M3x20mm		Set Screw M3x3 mm		Flanged Lock Nut M4
	Tapping Flat Head M3x10 mm		Binder Head M3x25mm		Set Screw M3x12 mm		Lock Nut M3
	Tapping Flat Head M3x12 mm		Button Hex M2.5x4mm		Set Shaft Screw M3x13 mm		E-Clip E2.5
	Tapping Flat Head M3x15 mm		Button Hex M2.5x8mm				Lock Washer

**PARTS DIAGRAM | EXPLOSIONSZEICHNUNG |
VUE ÉCLATÉE DES PIÈCES | ESPLOSO DEL MODELLO CON REFERENZA PEZZI**

**RECOMMENDED ITEMS
EMPFOHLENE WERKZEUGE
OUTILS RECOMMANDÉS
ATTREZZI CONSIGLIATI**



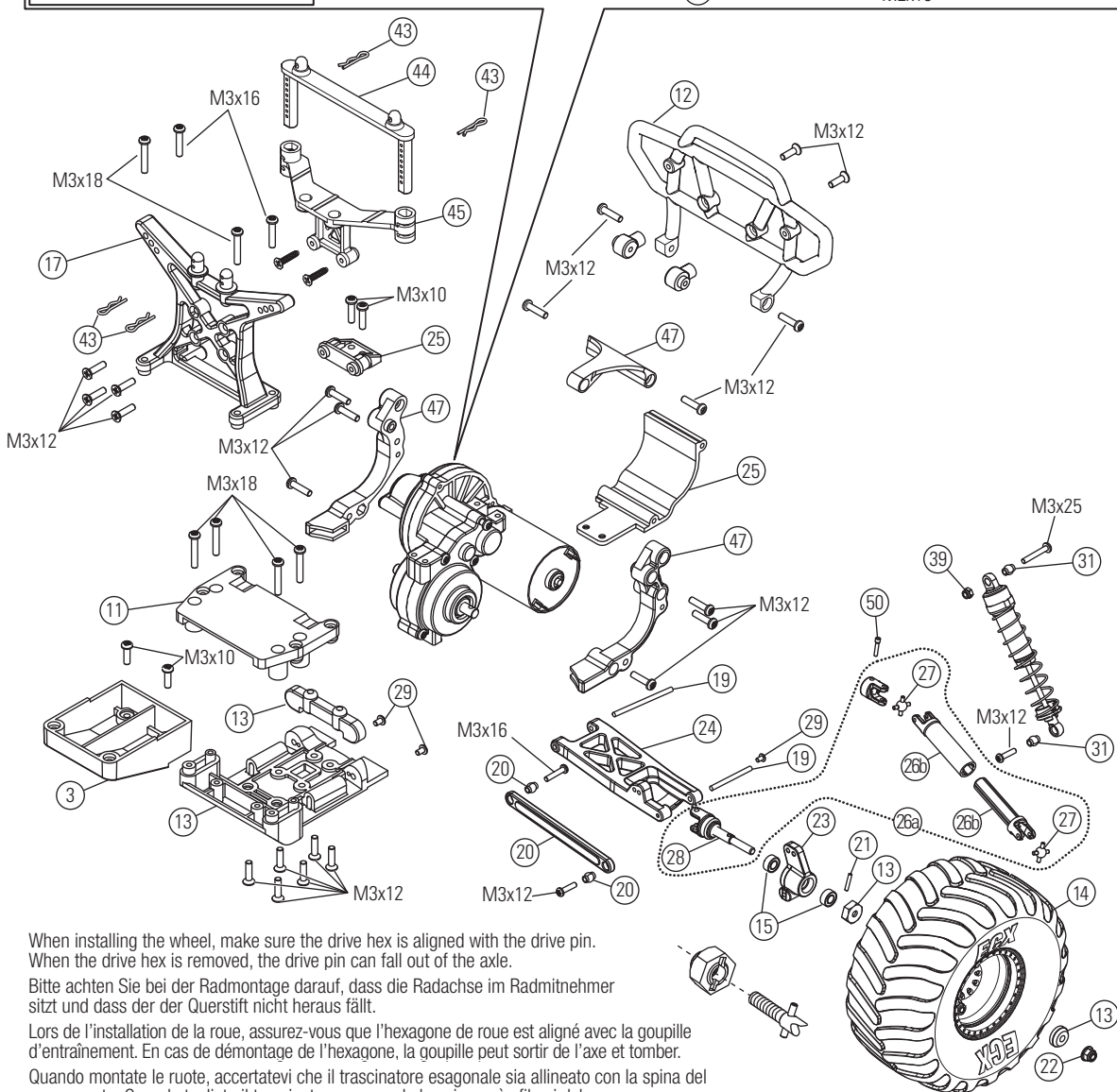
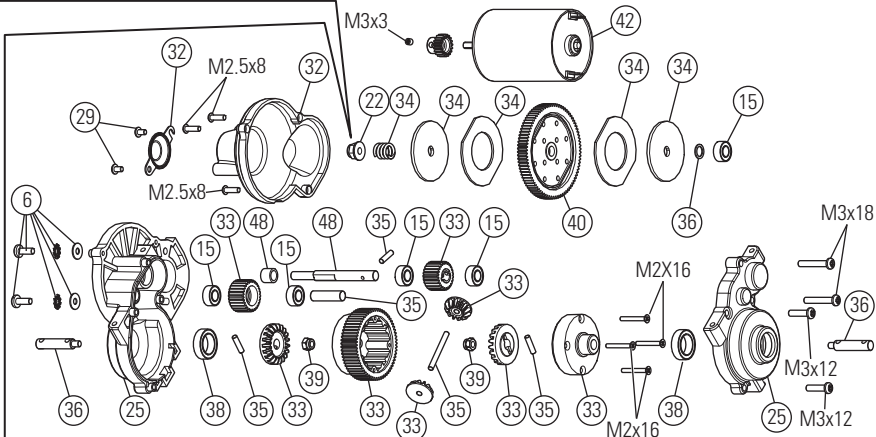
PARTS DIAGRAM | EXPLOSIONSZEICHNUNG | VUE ÉCLATÉE DES PIÈCES | ESPLOSO DEL MODELLO CON REFERENZA PEZZI

The slipper clutch can be adjusted using this locknut (ECX1060). Fully tighten the locknut, then loosen the nut two full turns.

Die Rutschkupplung kann durch diese Stopmutter eingestellt werden (ECX1060). Ziehen Sie die Mutter an und drehen Sie dann volle zwei Umdrehungen zurück.

Il est possible d'ajuster le sliper par action sur cet écrou de blocage (ECX1060). Veuillez à serrer l'écrou de blocage à fond. Ensuite, dévissez l'écrou de deux tours complets.

La frizione può essere regolata con questo dado autobloccante (ECX1060). Prima avvitate completamente il dado, poi svitatelo 2 giri.



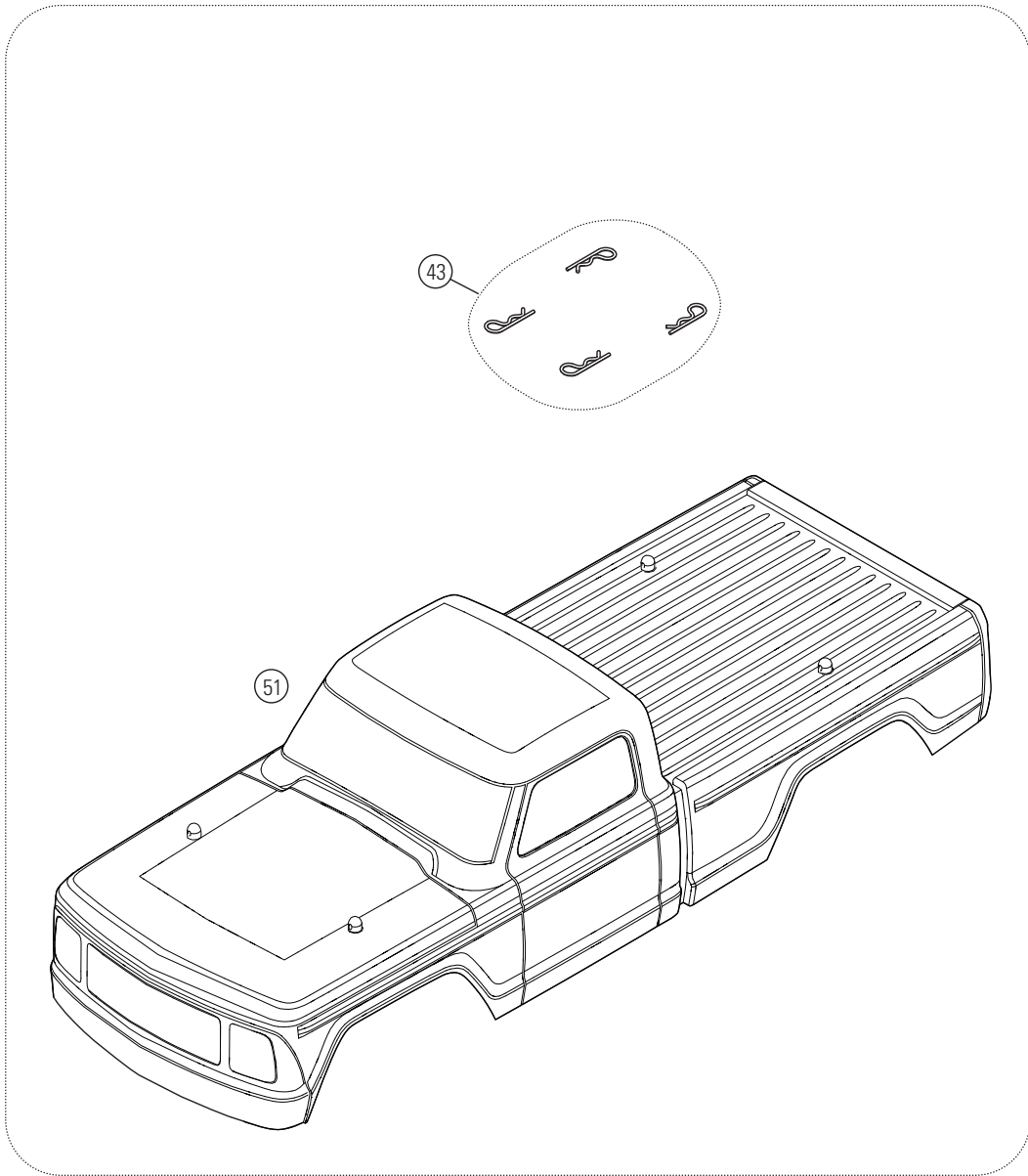
When installing the wheel, make sure the drive hex is aligned with the drive pin.
When the drive hex is removed, the drive pin can fall out of the axle.

Bitte achten Sie bei der Radmontage darauf, dass die Radachse im Radmitnehmer sitzt und dass der Querstift nicht heraus fällt.

Lors de l'installation de la roue, assurez-vous que l'hexagone de roue est aligné avec la goupille d'entraînement. En cas de démontage de l'hexagone, la goupille peut sortir de l'axe et tomber.

Quando montate le ruote, accertatevi che il trascinatore esagonale sia allineato con la spina del mozzo ruota. Quando togliete il trascinatore esagonale la spina può sfilarsi dal mozzo.

PARTS DIAGRAM | EXPLOSIONSZEICHNUNG |
VUE ÉCLATÉE DES PIÈCES | ESPLOSO DEL MODELLO CON REFERENZA PEZZI



REPLACEMENT PARTS | ERSATZTEILE | PIÈCES DE RECHANGE | PEZZI DI RICAMBIO

Part #	Description	Beschreibung	Description	Descrizione	
1	ECX231022	Short Chassis	Chassis	Châssis principal	Telaio principale
2	ECX1028	Servo Saver Set	Servo Saver Set	Sauve servo	Set salvaservo
3	ECX2011	Cover and Rear Mount Set	Abdeckung und hinterer Halter Set	Capot et fixations arrières	Copertura e set di montaggio posteriore
4	ECX1050	Setscrew M3 x 12 (4)	Schrauben Set M3 x 12 (4)	Jeu de vis M3 x 12 (4)	Grani M3 x 12 (4)
5	ECX236005	Foam Block	Schaum Block	Bloc de mousse	Spugna distanziale batteria
6	ECX1098	Motor Screw/Washer Set	Motor Screw/Washer Set	Set vis/rondelles moteur	Viti per il motore/set di rondelle
7	ECX1058	Ball Stud (6)	Kugelkopf (6)	Rondelle (6)	Sfere uniball (6)
8	ECX1065	Shoulder Screw Set (8)	Passschrauben Set (8)	Jeu de vis épaulées (8)	Set viti a doppio stadio (8)
9	ECX13010	ESC/RX 2.4GHz V4	ESC/RX 2,4GHz V4	ESC/RX 2,4GHz V4	ESC/RX 2,4GHz V4
11	ECX231024	Battery Strap, ESC Plate	Akkugurt, ESC-Platte	Sangle de batterie, plaque du variateur ESC	Fascetta batteria, piastra ESC
12	ECX231002	Rear Bumper Set	Hintere Stossstange	Pare-choc arrière	Set paraurti posteriore
13	ECX2006	Suspension Arm Mount Set	Querlenker Set hinten	Jeu de renfort de suspension	Supporti braccetti sosp.
14	ECX43016	Right/Left, Premount, Wheel (2)	Rechts/Links, Premount, Rad (2)	Droite/Gauche, Prémontage, Roue (2)	Destra/Sinistra, Premount, Ruota (2)
15	ECX1015	Ball Bearing 5 x 10 x 4mm (8)	Kugellager 5 x 10 x 4 mm (8)	Roulement à billes 5 x 10 x 4 mm (8)	Cuscinetto a sfera, 5 x 10 x 4 mm (8)
16	ECX1018	Front Suspension Arm Set	Querlenker Set vorne	Jeu de bras de suspension avant	Braccetti delle sospensioni anteriori
17	ECX1020	Shock Tower Set	Dämpferbrücke	Jeu de support d'amortisseur	Supporto ammortizzatori posteriori
18	ECX1035	Front Axle (2)	Radachse vorne (2)	Axe de roue avant (2)	Mozi ruota anteriori (2)
19	ECX1044	Hinge Pin Set	Querlenkerbolzen Set	Jeu d'axes de suspension	Set perni sospensioni
20	ECX1046	Camber, Toe Link Set	Spur- Sturzstangenset	Jeu de biellettes de carrossage et de pincement	Set tiranteria Camber e convergenza
21	ECX1049	Wheel Pins (4)	Radmitnehmerstifte (4)	Goupilles d'entraînement (4)	Spine trascinatori ruote (4)
22	ECX1060	M4 Locknut (4)	M4 Stopmutter (4)	Ecrous auto-freïnés M4 (4)	Dadi autobloccanti M4 (4)
23	ECX234000	Caster Block, Steer Block, RR Hub (2)	Radblock, Steuerblock, Hinterradnabe (2)	Blocs de roulettes, Bloc de direction, Corps de fusées arrière (2)	Blocco ruota anteriore, blocco sterzo, mozzo posteriore (2)
24	ECX1019	Rear Suspension Arm Set	Querlenker Set hinten	Jeu de bras de suspension arrière	Braccetti delle sospensioni posteriori
25	ECX232033	Transmission Case Set	Getriebegehäuse	Ensemble carter de transmission	Set scatola trasmissione
26a	ECX232000	Long Driveshaft Set, Complete HD (2)	Lange Antriebswelle, HD (2)	Long arbre de transmission, HD (2)	Albero di trasmissione lungo, HD (2)
26b	ECX232002	Long Driveshaft, Plastic Only HD (2)	Lange Antriebswelle, nur Kunststoff HD (2)	Long arbre de transmission, uniquement en plastique ultra-résistant (2)	Albero di trasmissione lungo, solo plastica HD (2)
27	ECX232005	Driveshaft Pivot Ball (4)	Antriebswellen Kugelkopf (4)	Croisillon de cardan (4)	Attacco a sfera semiassie (4)
28	ECX232001	Rear Axle (2)	Wellenmitnehmer hinten (2)	Axe de roue arrière	Attacco a sfera semiassie (4)
29	ECX1045	Button Head Screw 2.5 x 4mm (8)	Rundkopfschraube 2,5 x 4 mm (8)	Vis à tête bombée, 2,5 x 4 mm (8)	Vite a testa tonda, 2,5 x 4 mm (8)
31	ECX1037	Shock Caps, Pistons, Pivot Ball Set	Stoßkappe, Kolben, Schwenkkugel-Set	Ensemble de Capuchons d'amortisseurs, Pistons, Rotule	Set articolazione a rotula, pistoni, tappi ammortizzatore
32	ECX231026	Gear Cover	Gear Cover	Carter de Réducteur	Copertura per ingranaggi
33	ECX1022	Transmission Gear Set	Getriebe	Couronne et pignons intermédiaires, corps et pignons de différentiel	Set ingranaggi trasmissione
34	ECX1024	Slipper Clutch Plates, Pads, Spring	Rutschkupplung Teilesatz	Garnitures, plateaux et ressort de slipper	Piattelli frizione, disco, molla
35	ECX1025	Transmission Idler Shaft, Drive Pins	Haupttriebewelle Set	Arbre secondaire de transmission avec goupilles d'entraînement	Alberino intermedio con spina
36	ECX1026	Transmission Drive Shaft (2)	Getriebeausgangswelle (2)	Axe de sortie de différentiel (2)	Mozi Differenziale (2)
38	ECX1055	Bearings 10 x 15 x 4mm (2)	Lager 10 x 15 x 4 mm (2)	Roulements 10 x 15 x 4 mm (2)	Cuscinetti 10 x 15 x 4 mm (2)
39	ECX1059	M3 Locknut (4)	M3 Stopmutter (4)	Ecrou auto-freiné M3 (4)	Dadi autobloccanti M3 (4)
40	ECX232032	Spur Gear 48P, 93T	Hauptzahnrad 48P, 93T	Couronne 48P, 93T	Corona 48P, 93T
42	DYN1171	Dynamite 20T Brushed Motor	Dynamite-Bürstenmotor mit 20 Turns	Moteur à balais Dynamite 20T	Motore con spazzole Dynamite 20T
43	ECX1048	Body Clip (8)	Body Clip (8)	Clips Carrosserie (8)	Clips per carrozzeria (8)
44	ECX231025	Body Post Set	Körperpfosten-Set	Set Plots Carrosserie	Set di sostegni per la carrozzeria
45	ECX2009	Body Mount Set	Aufnahme Karosseriehälter	Set Montage Carrosserie	Set di montaggio per la carrozzeria
46	ECX2007	Skid Plate Set	Skid Plate Set	Set Plaque Chassis	Set piste di protezione
47	ECX2013	Rear Bumper Mount	Heckstoßstangenhalterung	Support de pare-chocs arrière	Supporto bumper posteriore
48	ECX1023	Top Shaft/Spacer	Top Shaft/Spacer	Set de Goupilles	Set di spessori
49	ECX1033	Setscrew M3 x 10	Feststellschraube M3 x 10	Vis de fixation M3 x 10	Vite di arresto M3 x 10
50	ECX231001	Front Bumper Set	Vordere Stossstange	Pare-choc avant	Set paraurti anteriore
51	ECX230044	Body, Blue	Karosserie, blau	Carrosserie, bleue	Carrozzeria, blu
51	ECX230045	Body, Orange	Karosserie, orange	Carrosserie, orange	Carrozzeria, arancione

REPLACEMENT PARTS | ERSATZTEILE | PIÈCES DE RECHANGE | PEZZI DI RICAMBIO

Part #	Description	Beschreibung	Description	Descrizione
52	ECX1056	3 x 6 x 2.8mm Bushing (2)	3 x 6 x 2,8 mm Hülse (2)	Boccola 3 x 6 x 2,8 mm (2)
	ECX0945	3 x 25mm Machine Screw (8)	3 x 25 mm Maschinenschraube (8)	Vite a ferro 3 x 25 mm (8)
	ECX1051	M3 x 3mm Set Screw (6)	M3 x 3 mm Stellschraube (6)	Vite di fermo M3 x 3 mm (6)
	ECX1057	3mm E-Clip (8)	3 mm E-Clip (8)	3 mm E-Clip (8)
	ECX1062	3 x 8mm Button Head Screw (10)	3 x 8 mm Rundkopfschraube (10)	Vite a testa tonda 3 x 8 mm (10)
	ECX1063	3 x 10mm Self-Tap Button Head Screw (10)	3 x 10 mm selbstschneidende Rundkopfschraube (10)	Vite autofilettante a testa tonda 3 x 10 mm (10)
	ECX1064	3 x 12mm Self-Tap Button Head Screw (10)	3 x 12 mm selbstschneidende Rundkopfschraube (10)	Vite autofilettante a testa tonda 3 x 12 mm (10)
	ECX2017	3 x 18mm Self-Tap Button Head Screw (10)	3 x 18 mm selbstschneidende Rundkopfschraube (10)	Vite autofilettante a testa tonda 3 x 18 mm (10)
	ECX2018	3 x 16mm Button Head Screw (10)	3 x 16 mm Rundkopfschraube (10)	Vite a testa tonda 3 x 16 mm (10)
	ECX2019	3 x 10mm Button Head Screw (10)	3 x 10 mm Rundkopfschraube (10)	Vite a testa tonda 3 x 10 mm (10)

OPTIONAL PARTS | OPTIONALE TEILE | LISTE DES OPTIONS | ELENCO PARTI OPZIONALI

Part #	Description	Beschreibung	Description	Descrizione
DYNT0500	Startup Tool Set	Anfänger-Werkzeugsatz	Jeu d'outils de démarrage	Set attrezzi
ECX1061	Screw Set (64)	Schraubensatz (64)	Jeu de vis (64)	Set viti (64)
ECX1095	Aluminum Shock Set, Front	Aluminium Stoßdämpfersatz, Vordere	Ensemble d'amortisseurs en aluminium, avant	Set ammortizzatori anteriori, alluminio
ECX1096	Aluminum Shock Set, Rear	Aluminium Stoßdämpfersatz, Heck	Ensemble d'amortisseurs en aluminium, arrière	Set ammortizzatori posteriori, alluminio
ECX331000	Front Shock Tower, Aluminum	Vordere Stoßdämpferbrücke, Aluminium	Tour d'amortisseur avant, aluminium	Supporto ammortizzatore anteriore, alluminio
ECX331001	Rear Shock Tower, Aluminum	Hintere Stoßdämpferbrücke, Aluminium	Tour d'amortisseur arrière, aluminium	Supporto ammortizzatore posteriore, alluminio
ECX331008	Steering Servo Saver, Aluminum	Steuerservo-Saver, Aluminium	Économiseur de servo de direction, aluminium	Salvaservo sterzo, alluminio
ECX332000	Wheel Hex Set, Aluminum	Sechskantnadsatz, Aluminium	Jeu d'écrous hexagonaux pour roues, aluminium	Set trascinatori esagonali, alluminio
ECX334000	Rear Hubs, Aluminum	Hintere Nabe, Aluminium	Moyeux arrière, aluminium	Mozzi posteriori, alluminio
ECX334001	Caster Block, Aluminum	Radblock, Aluminium	Bloc de rondelle, aluminium	Caster block, alluminio
ECX334002	Steering Block, Aluminum	Steuerblock, Aluminium	Bloc de direction, aluminium	Fusello sterzo, alluminio
ECX9001	Metal Gear Set	Metallgetriebebesatz	Ensemble de boîte métallique	Set ingranaggi in metallo
RPM70462	Rear A-Arms, Black (2)	Hintere A-Arms, schwarz (2)	Bras de commande A arrière, noir (2)	A-arm posteriori, nero (2)
RPM70582	Front A-Arms, Black (2)	Vordere A-Arms, schwarz (2)	Bras de commande A avant, noir (2)	A-arm anteriori, nero (2)
RPM73292	Front Spindle Blocks, Black (2)	Vordere Spindelblöcke, schwarz (2)	Bloc d'axe avant, noir (2)	Blocchi albero anteriori, nero (2)
RPM73442	HD Caster Blocks, Black	HD Radblock, Schwarz	Blocs de roulettes ultra-résistants, noirs	Caster block HD, nero
RPM73492	SX-Saver Bellcrank, Black	SX-Saver-Umlenkhebel, Schwarz	Levier coudé SX-Saver, noir	Leva a squadra SX-Saver, nero
RPM73572	Rear Axle Carriers, Black	Hinterachsträger, Schwarz	Supports d'essieu arrière, noirs	Porta asse posteriori, nero

RECOMMENDED PARTS | EMPFOHLENE TEILE | PIÈCES RECOMMANDÉES | PARTI RACCOMANDATE

Part #	Description	Beschreibung	Description	Descrizione
DYN1501	Powerstage Bundle - Stage 1	Leistungsteilpaket – Stufe 1	Lot à étage de puissance, étape 1	Powerstage Bundle-Stage 1



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