



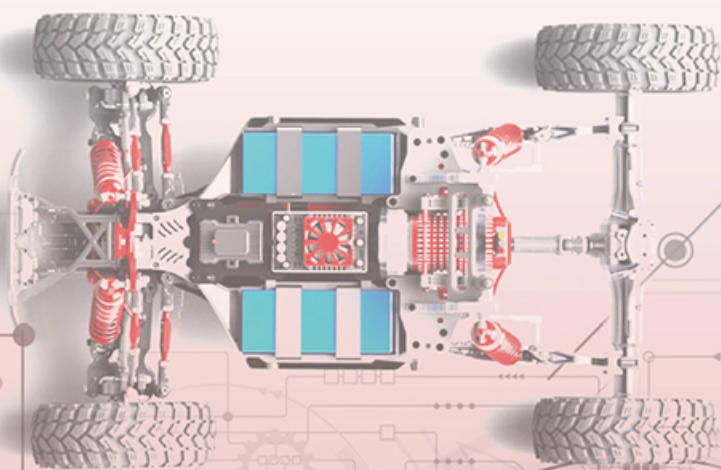
FID VOLTZ 电战锤

组合说明



FID VOLTZ

全金属后直桥电战锤



Thank you !

- Thank you for selecting this FID RACING product! This kit is designed to be fun to drive and uses top quality parts for durability and performance. The instruction manual you are reading was designed to be easy to follow yet thorough in its explanations. FID RACING wants you to enjoy driving your new R/C kit. If you come across any problems or need some help getting through a step, give us a call and we will do our very best to help you.
- This is a high performance R/C kit, and it requires regular maintenance for best performance. If you don't do regular maintenance the performance will suffer. FID has all the necessary parts and accessories available to keep your car performing at its best.
- The caution or attention symbols will warn you about steps that can be very dangerous. Please read and understand the instructions carefully before proceeding.



Cautions Failure to follow these instructions can damage your kit, and cause serious bodily injury or death.



Cautions Failure to follow these instructions can cause injury to yourself or others. You might also cause property damage or damage your kit.

Before Running

Please read manual (with parent, guardian or a responsible adult if necessary)

While Operating

Please do not run on a public street, this could cause serious accidents, personal injuries and/or property damage.

Please do not run near pedestrians or small children.

Please do not run in small or confined areas.

Before Operating

Make sure that all screws and nuts are properly tightened.

Always use fresh batteries for your transmitter and receiver to avoid losing control of the model.

Please confirm the neutral throttle trigger position.

After Running

Turn OFF receiver first, then turn OFF transmitter. This will prevent the car from losing control.

After running FID RACING product, it is necessary to perform routine maintenance.

Failure to do this can result in increased wear and damage to the engine and chassis.

Battery Safety

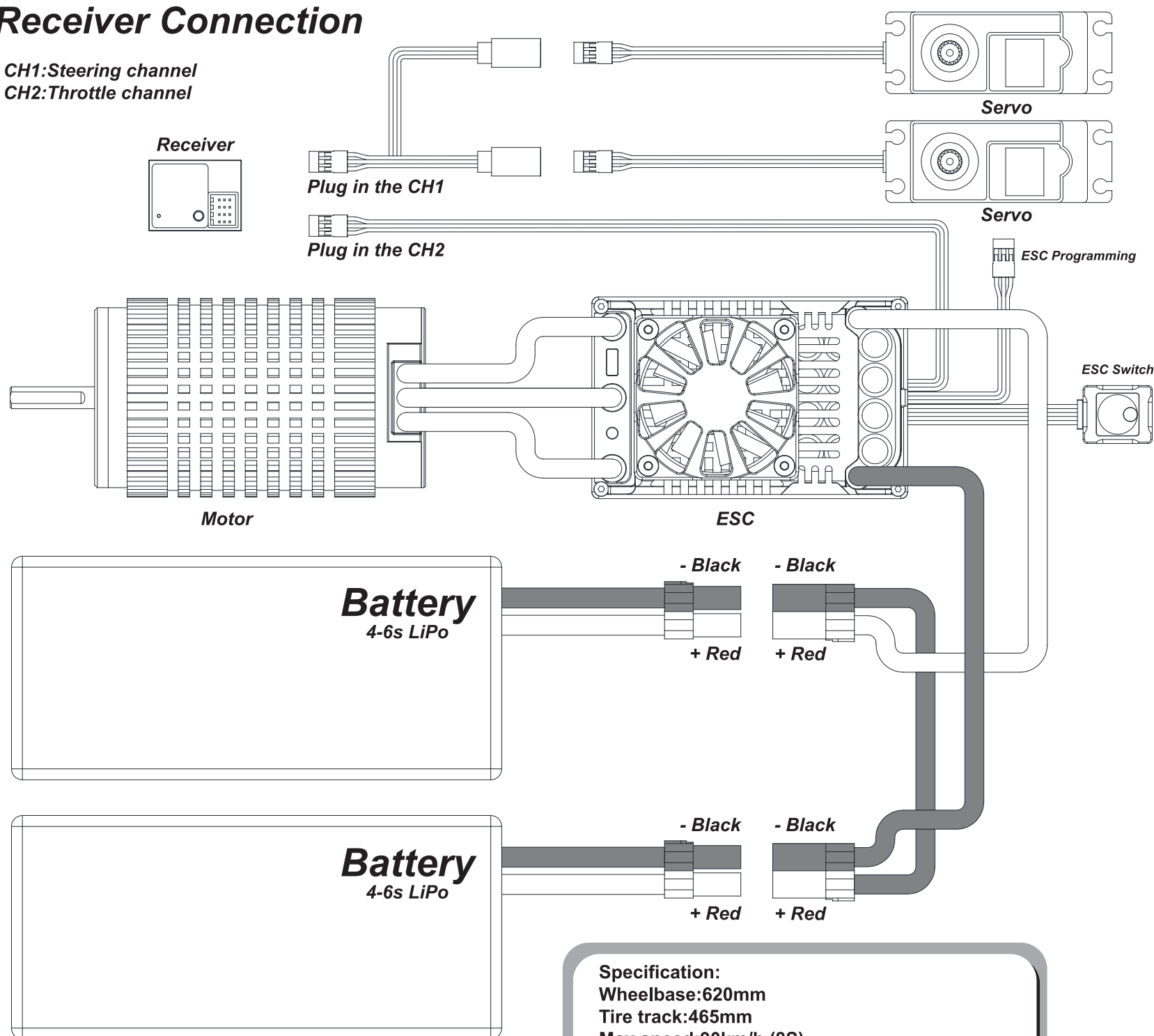
Please be careful when handling the battery. It will be hot after running. If the wire is frayed a short circuit can cause a fire.

Contents

Thank you/Contents	1
Receiver Connection	2
ESC Setup	3
Front Assembly	4
Steering Assembly	5
Rear Assembly	6
Gearbox Assembly	7
Front End Assembly	8
Battery Box Assembly	9
Center Assembly	10
Rear Assembly	11
Tires Assembly	12
Paint The Body	13
Roll Cage & Body Assembly	14
Body Assembly	15
Roll cage Installation	16
Final Assembly	17
Parts List	18

Receiver Connection

CH1:Steering channel
CH2:Throttle channel



Specifications

VoltZ Main Chassis:

5mm Thick Milled Alloy Chassis 6061-T6
Dual Steering Servo Set-Up 2x 70kg servos (140kg Combined)
Independent Front Shock Absorbers
Large Capacity Shock Absorbers: 235mm Rear 185.5mm Front
7mm Thick Shock Shafts
Four Link Rear Trailing Arm Suspension System
Billet Alloy CNC Machined Rear Axle
Billet Alloy CNC Machined Trailing Arms
Billet Alloy Upper Four Link Ends With Rose Joint Ends
Billet Alloy Fourlink chassis mounts
Front/Middle/Rear Differentials, With Billet Alloy Diff Cases
Rear Mounted 74/120 Brushless Motor
8S 300A ESC & Brushless Motor System
High Capacity Battery Box (8S Lipo Battery Capability)

Specification:

Wheelbase:620mm
Tire track:465mm
Max speed:90km/h (8S)
Main chassis: 5mm 6061-T6
Esc Power Rating 300A: 8S Lipo
The main chassis height: 120mm
Servo Steering Power : 140kg (2x 70kg servos)
Battery box size: 190x75mm
Mud Terrain Tyres: 230x85mm

Voltz Electrical System :

ZTW 300A ESC,
Motor:680KV 34000 Max RPM,74/120 Brushless motor
8S Lipo Battery Capability
Built in Cooling System
ESC fixing plate(3MM) :reserve insert position for hobbywing 200A ESC
Dragon hammer Voltz 4WD drive System
Internal rear drive shafts,12mm
Helical cut front & rear differential crown & pinion gears
Rear Telescopic Centre CVD Driveshaft,25mm External
Front CVD Driveshaft,20mm external
Middle differential reversible System
Body shell CLEAR, With 2 Full Livery Sticker Sheets

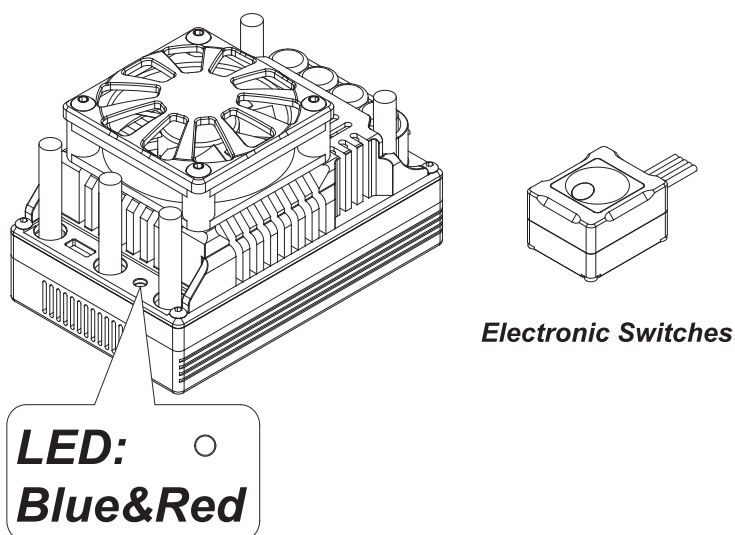
ESC Setup

You must setup the ESC before running the first time. After the initial setup. It is not required before every run.

Please read through the instructions and get familiar with the procedure before starting setup.

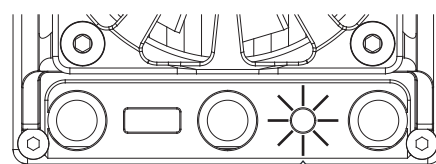
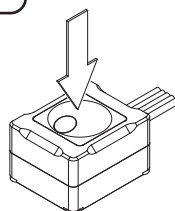
The setup process moves quickly, and it will help you to be ready for each step.

After ESC setup unplug battery connector first then turn off transmitter .



1. Connect the receiver and battery to the ESC according to the rules.

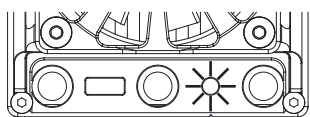
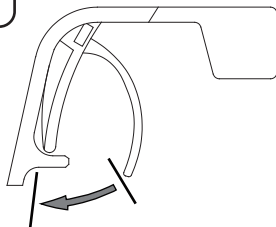
2



LED
Blue&Red → Blue

Open the remote control switch and long press the ESC switch (the two lights will keep on) until the RED LED extinguishes and BLUE LED keeps on, then loose the ESC switch.

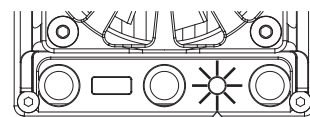
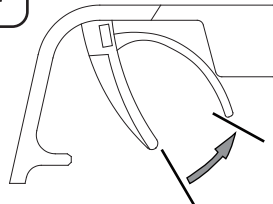
3



LED
Blue → Red

Keep the remote control throttle trigger to the maximum stroke (RED LED will flash and BLUE LED will extinguish) until the Motor rings once.

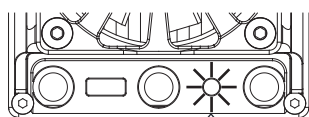
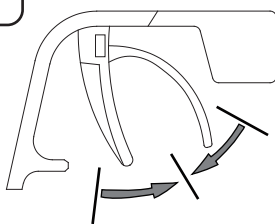
4



LED
Red → Blue

Keep the remote control reverse trigger to the maximum stroke (the BLUE LED will flash and RED LED will extinguish) until the Motor rings twice.

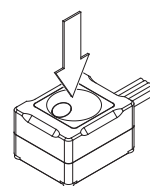
5



LED
Blue → Blue&Red

Keep the remote control to the neutral point (BLUE LED and RED LED will flash) and wait until the motor rings triple. Then BLUE LED and RED LED will be always on.

6

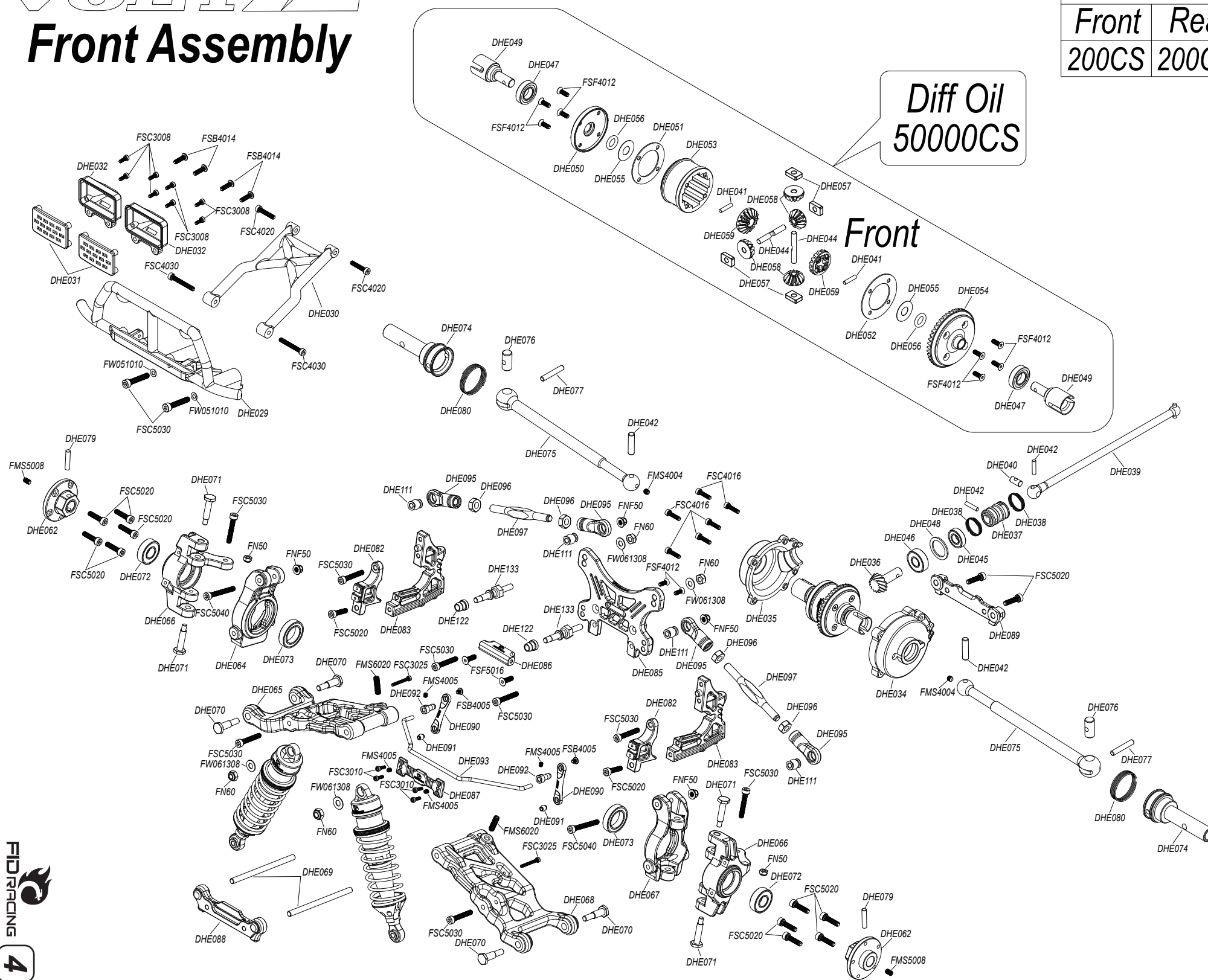


Long press the ESC switch three seconds to turn off the ESC and then reopen it. Congratulations, you have finished code match.

7

After the ECS turns on, the short “bee” sound means you have one battery. And the last long “bee” sound means it’s ready to work now.

Front Assembly



Shock Oil		Front	Rear
Front	Rear		
200CS	200CS		

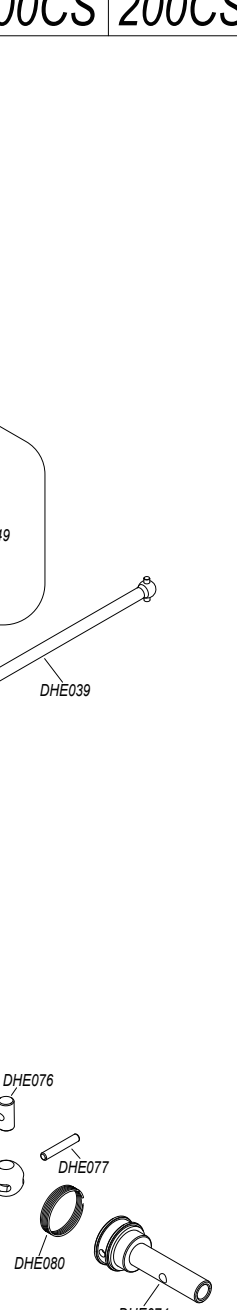


Diagram of the front shock oil assembly. It shows a long shock absorber tube (DHE039) with a top cap (DHE049) and a bottom cap (DHE074). A small pin (DHE076) and a small tube (DHE077) are shown near the bottom cap. A small ring (DHE080) is also shown. A small part (DHE042) is shown on the left.

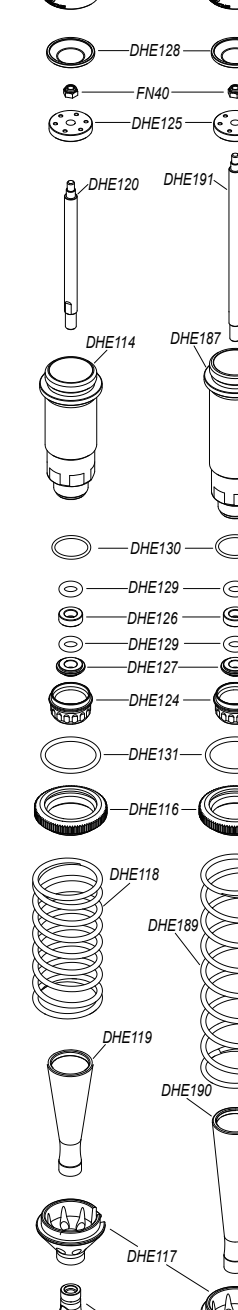
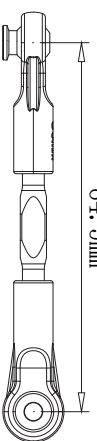


Diagram of the rear shock oil assembly. It shows a long shock absorber tube (DHE187) with a top cap (DHE114) and a bottom cap (DHE190). A small pin (DHE120) is shown near the top cap. A small tube (DHE191) is shown near the bottom cap. A small ring (DHE121) and a small tube (DHE123) are shown near the bottom cap. A small part (DHE116) is shown on the left.

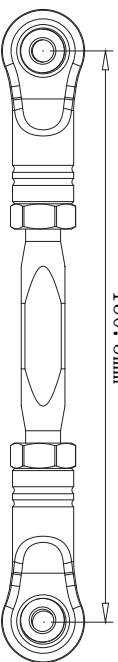
Servo Links

84.5mm



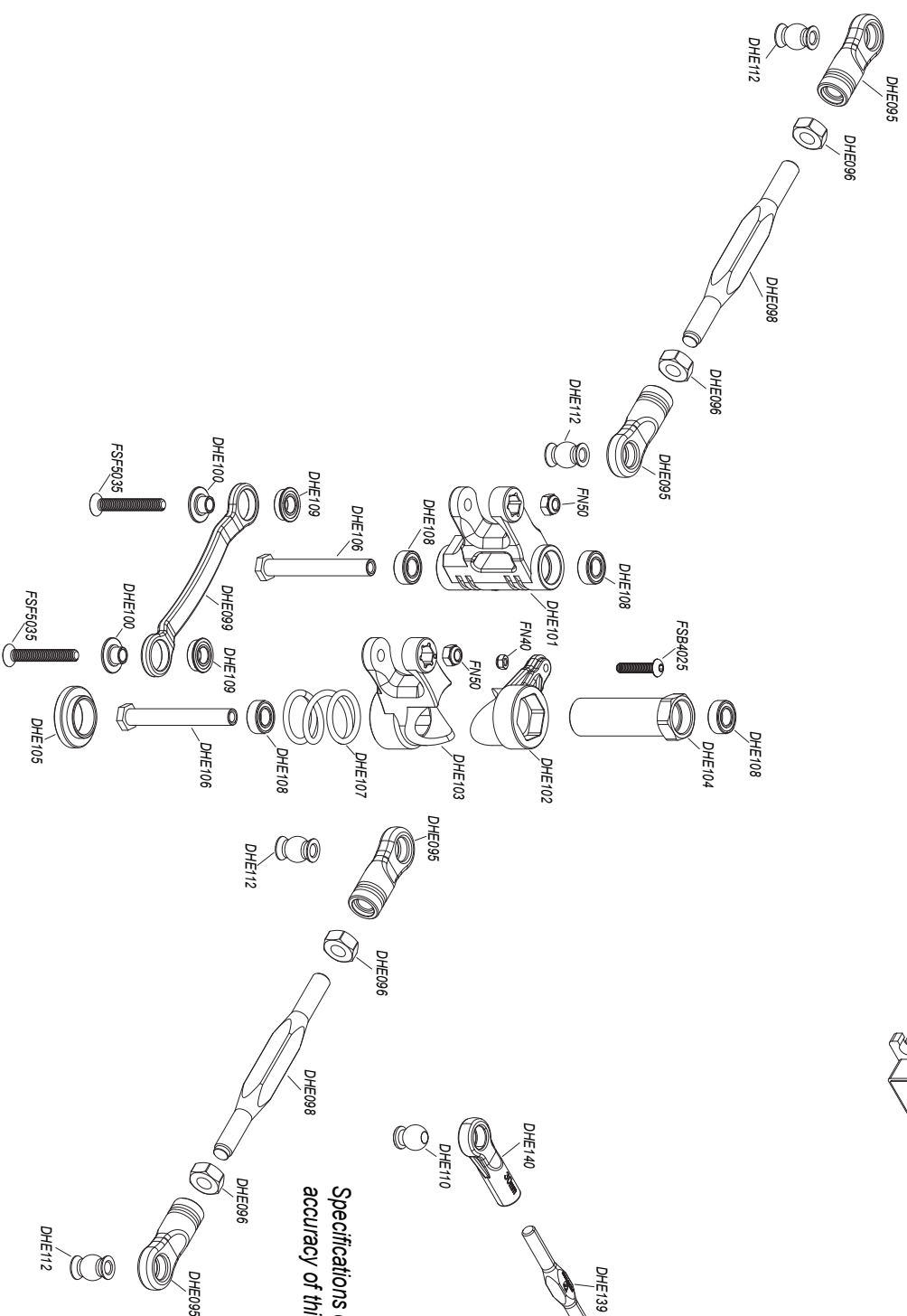
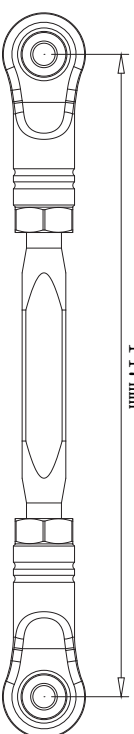
Front Camber Links

130.5mm

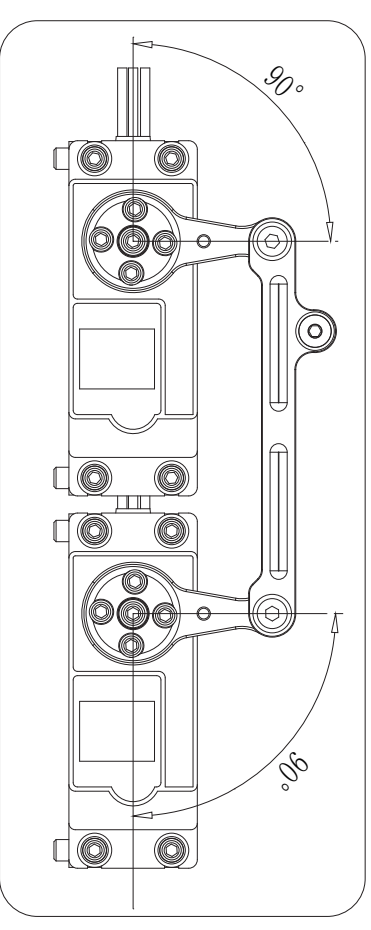


Steering Links

147mm



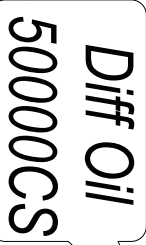
Specifications on this page are subject to change without notice. Every attempt has been made to ensure the accuracy of this drawing; however, FID Racing cannot be held responsible for typographical or other errors.



FID RACING

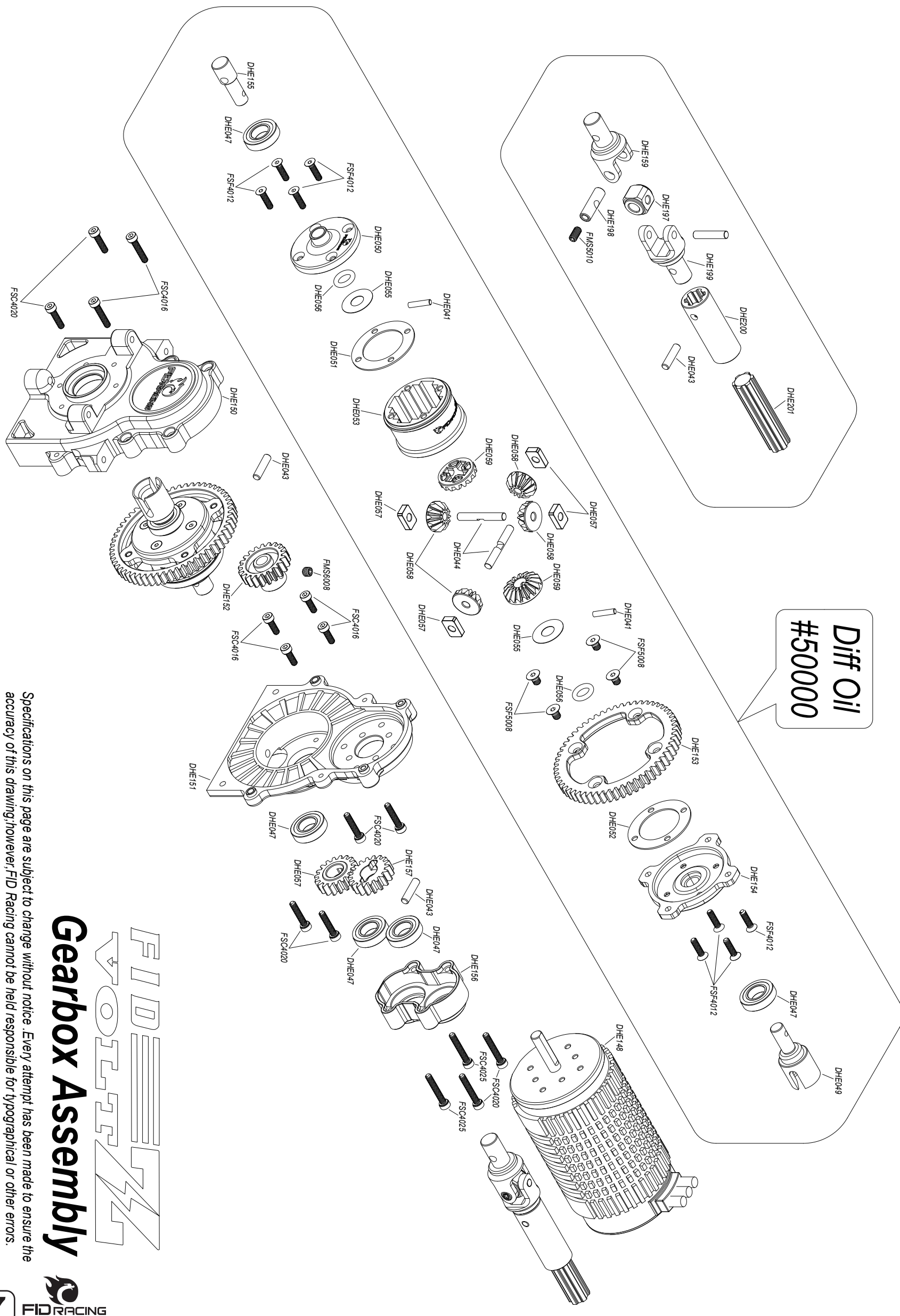
Steering Assembly

6



Rear Assembly

Diff Oil
#50000

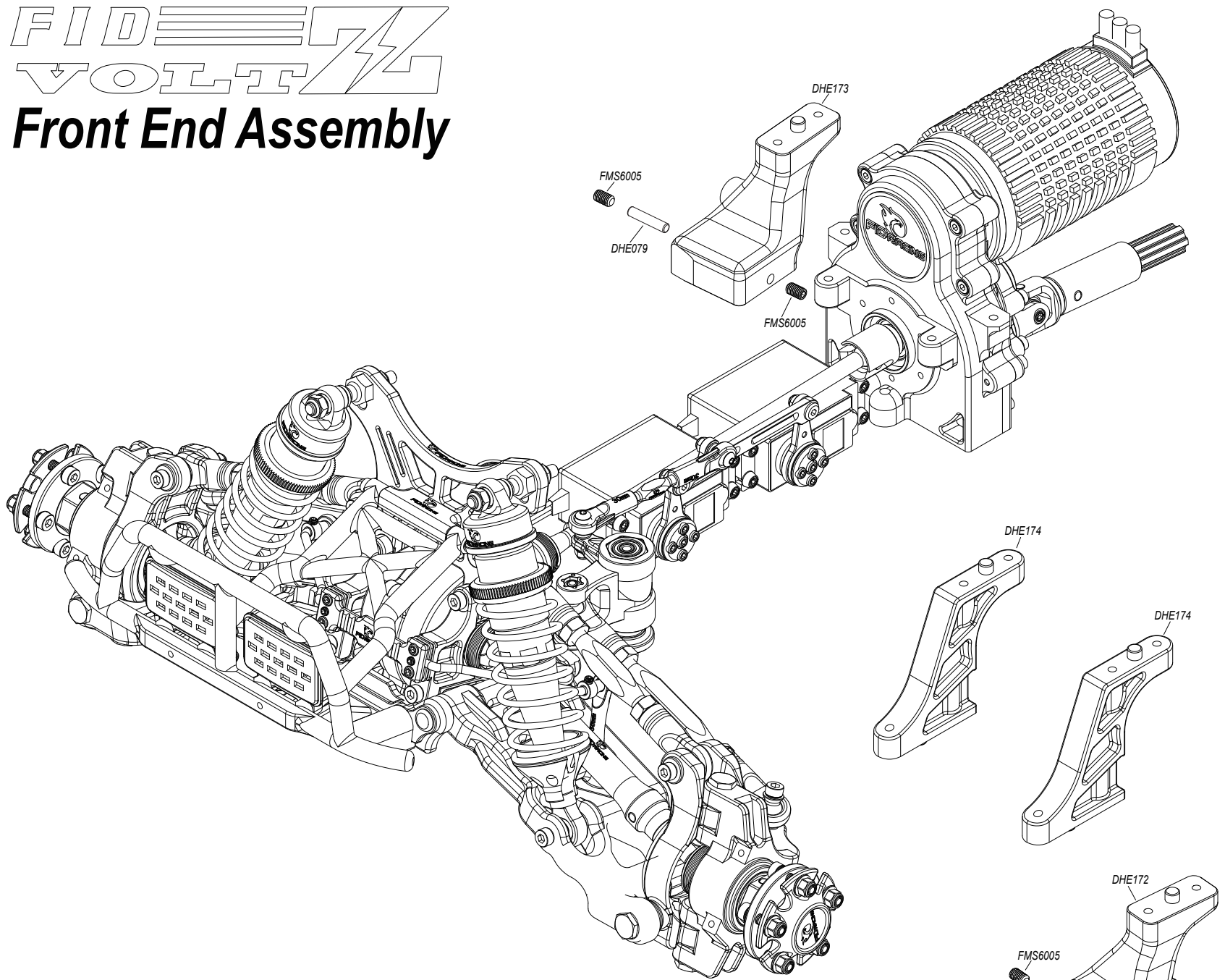


Specifications on this page are subject to change without notice. Every attempt has been made to ensure the accuracy of this drawing; however, FID Racing cannot be held responsible for typographical or other errors.

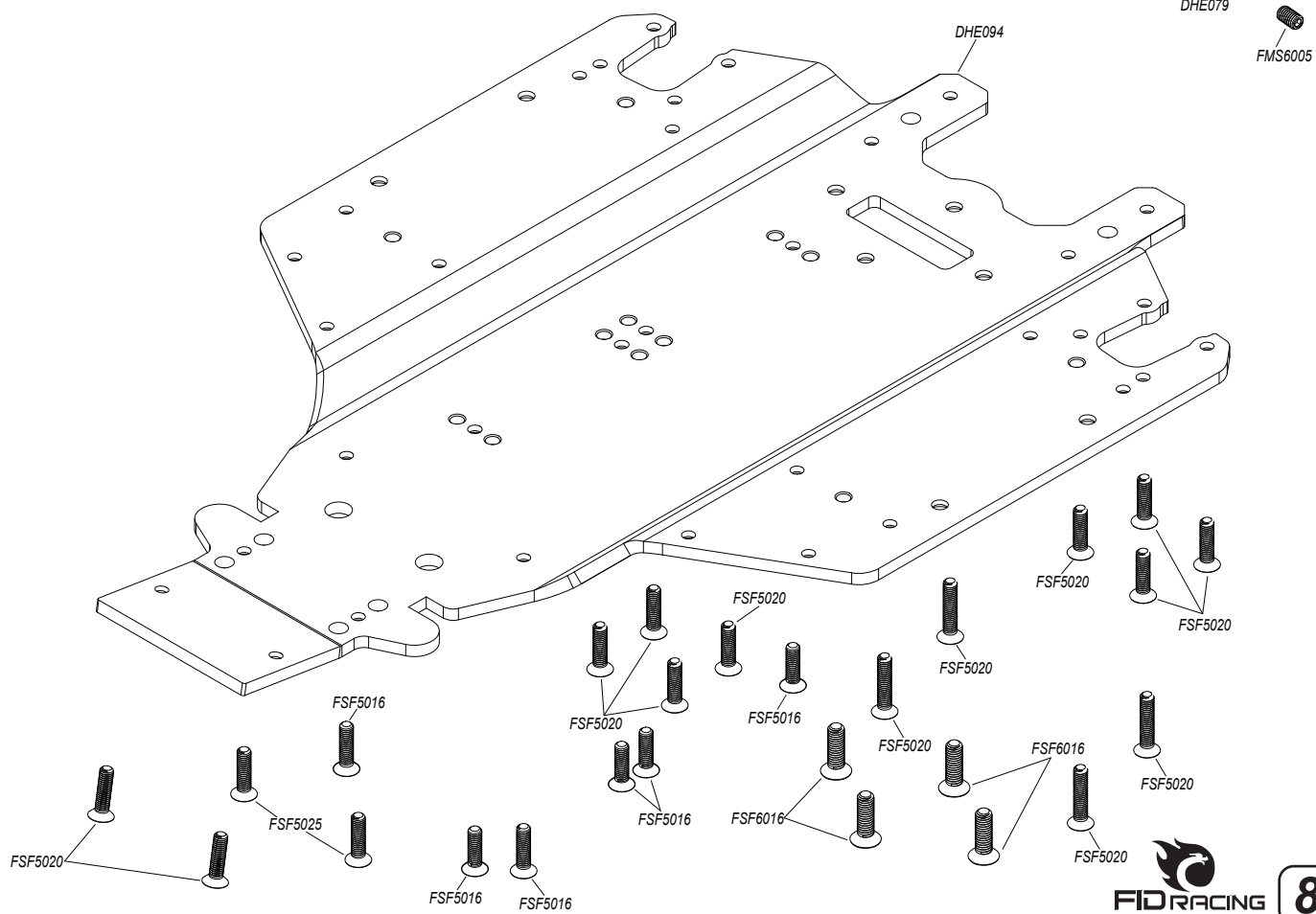
FIDELITY VOITZ Gearbox Assembly



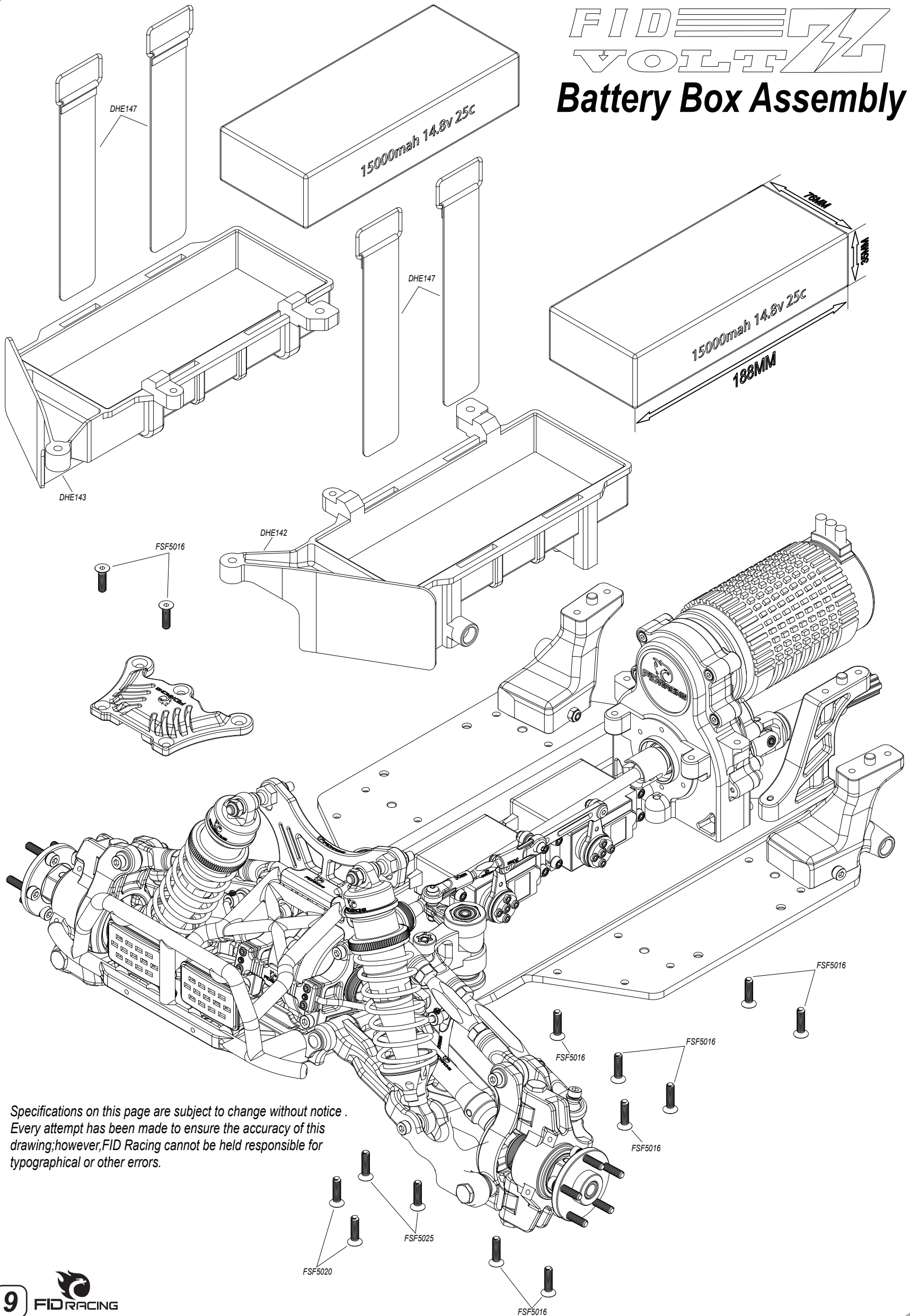
Front End Assembly



Specifications on this page are subject to change without notice .Every attempt has been made to ensure the accuracy of this drawing;however,FID Racing cannot be held responsible for typographical or other errors.



FID RACING VOLTZ Battery Box Assembly

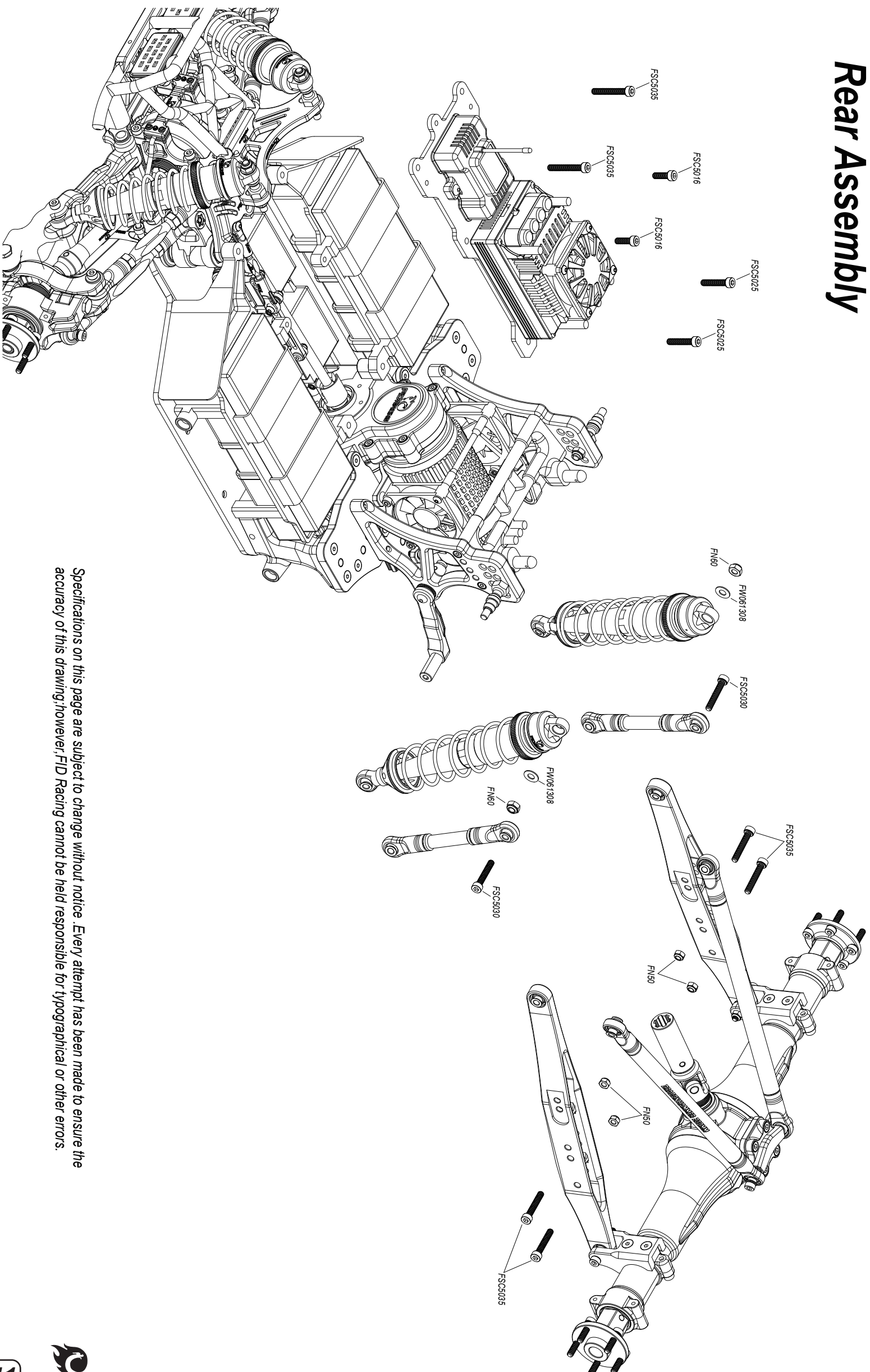


Specifications on this page are subject to change without notice .
Every attempt has been made to ensure the accuracy of this
drawing;however,FID Racing cannot be held responsible for
typographical or other errors.

Specifications on this page are subject to change without notice. Every attempt has been made to ensure the accuracy of this drawing; however, FID Racing cannot be held responsible for typographical or other errors.

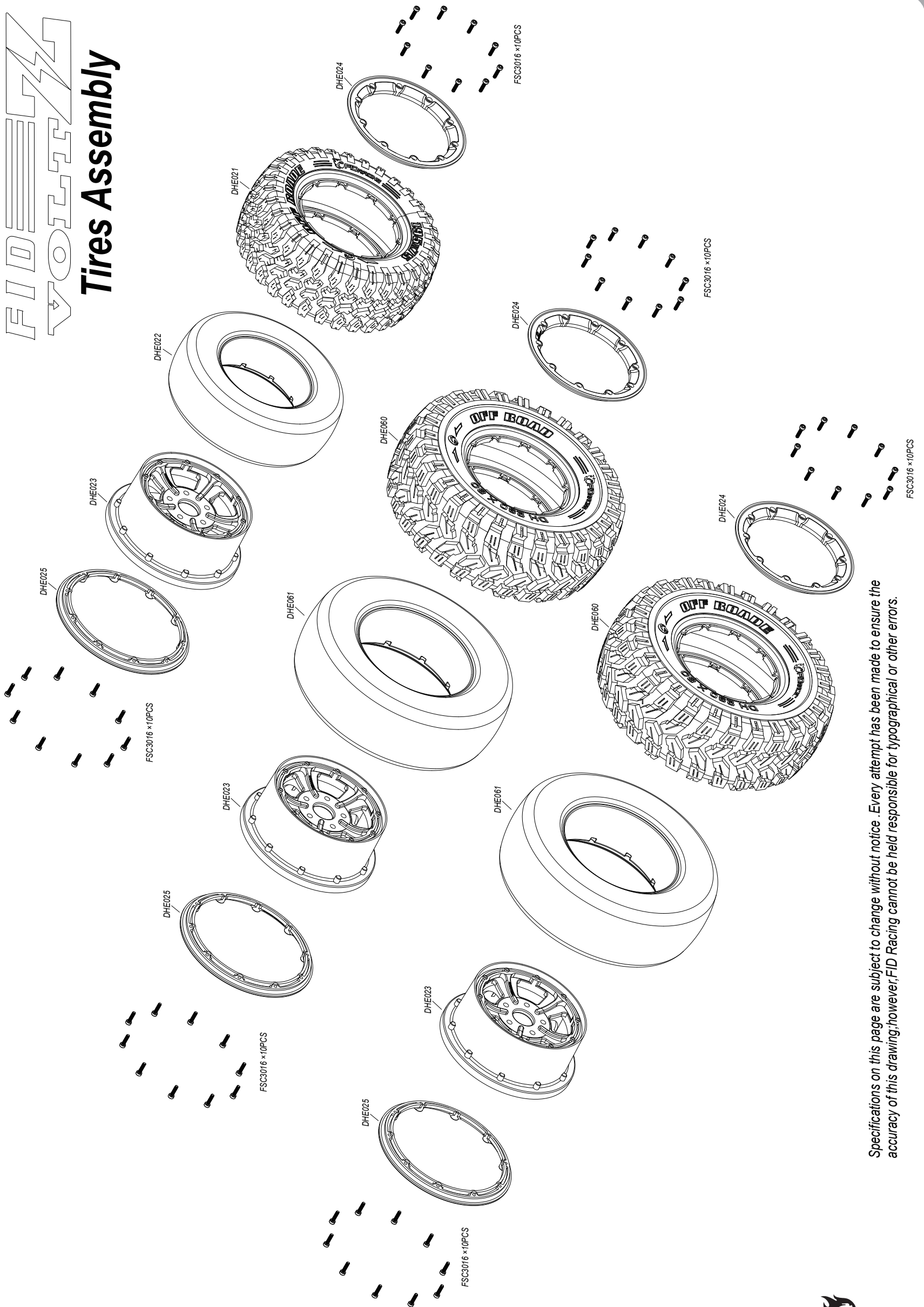


Rear Assembly

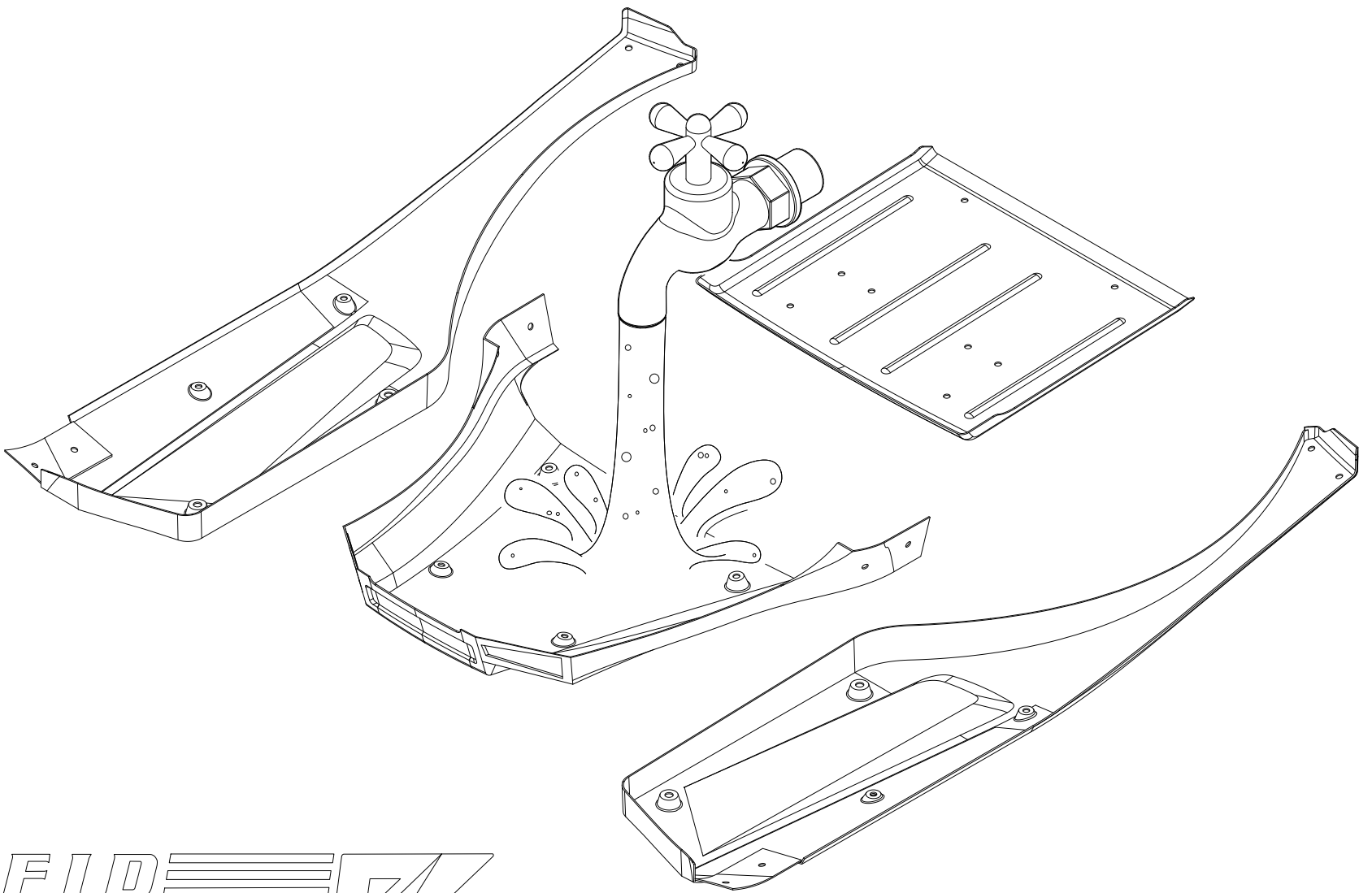


Specifications on this page are subject to change without notice. Every attempt has been made to ensure the accuracy of this drawing; however, FID Racing cannot be held responsible for typographical or other errors.

Tires Assembly



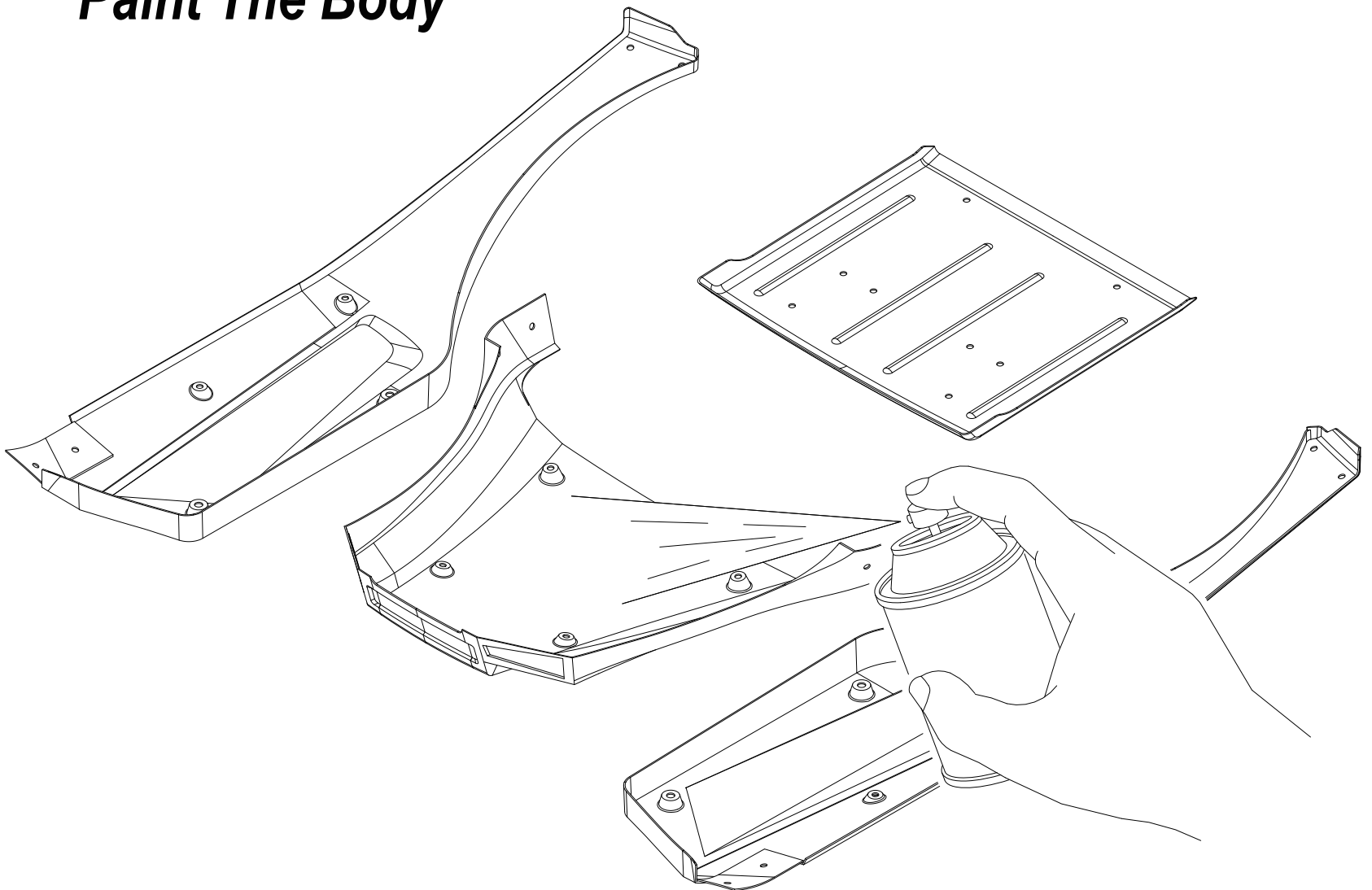
Specifications on this page are subject to change without notice. Every attempt has been made to ensure the accuracy of this drawing; however, FID Racing cannot be held responsible for typographical or other errors.



FID
VOLTZ

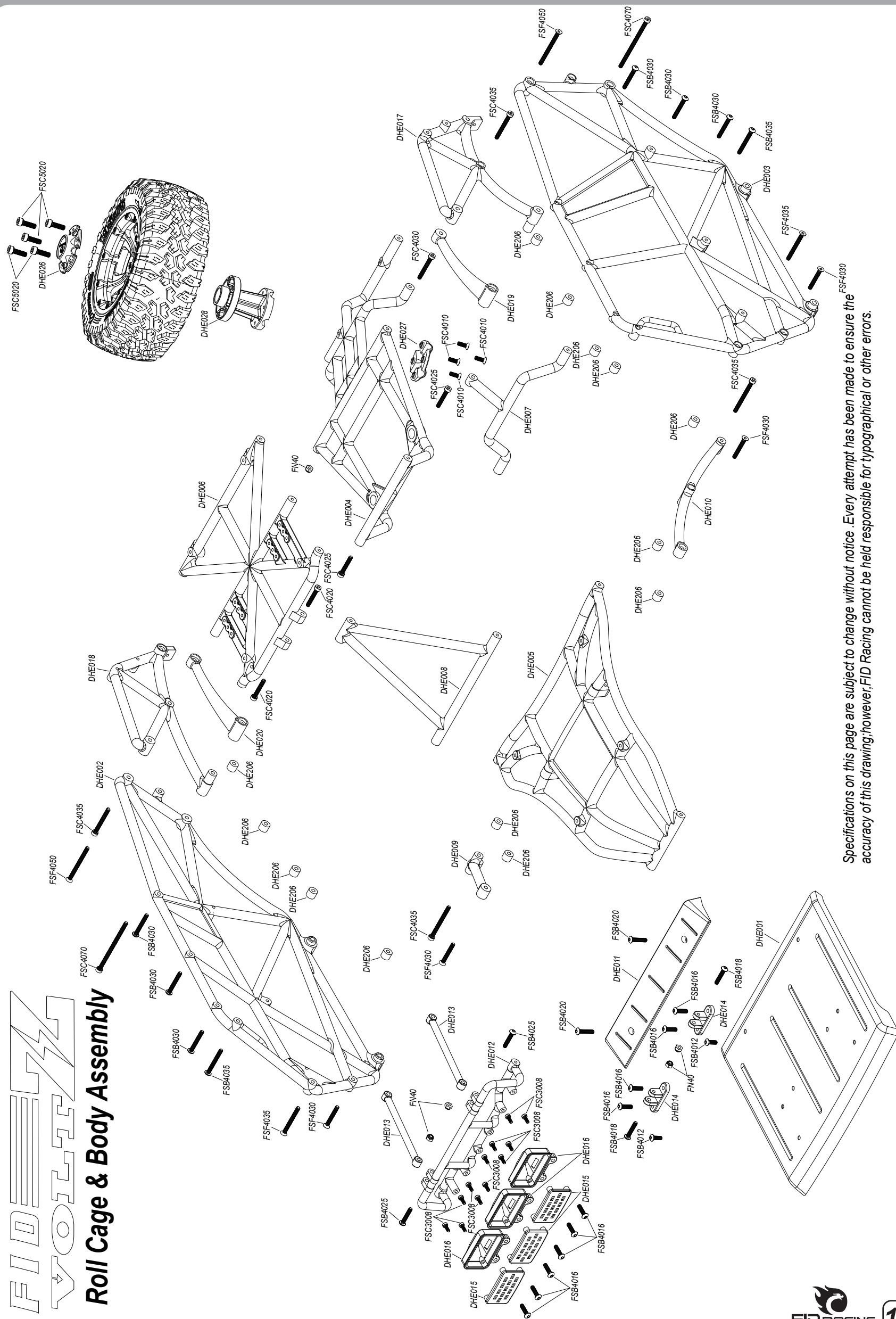
Specifications on this page are subject to change without notice. Every attempt has been made to ensure the accuracy of this drawing; however, FID Racing cannot be held responsible for typographical or other errors.

Paint The Body



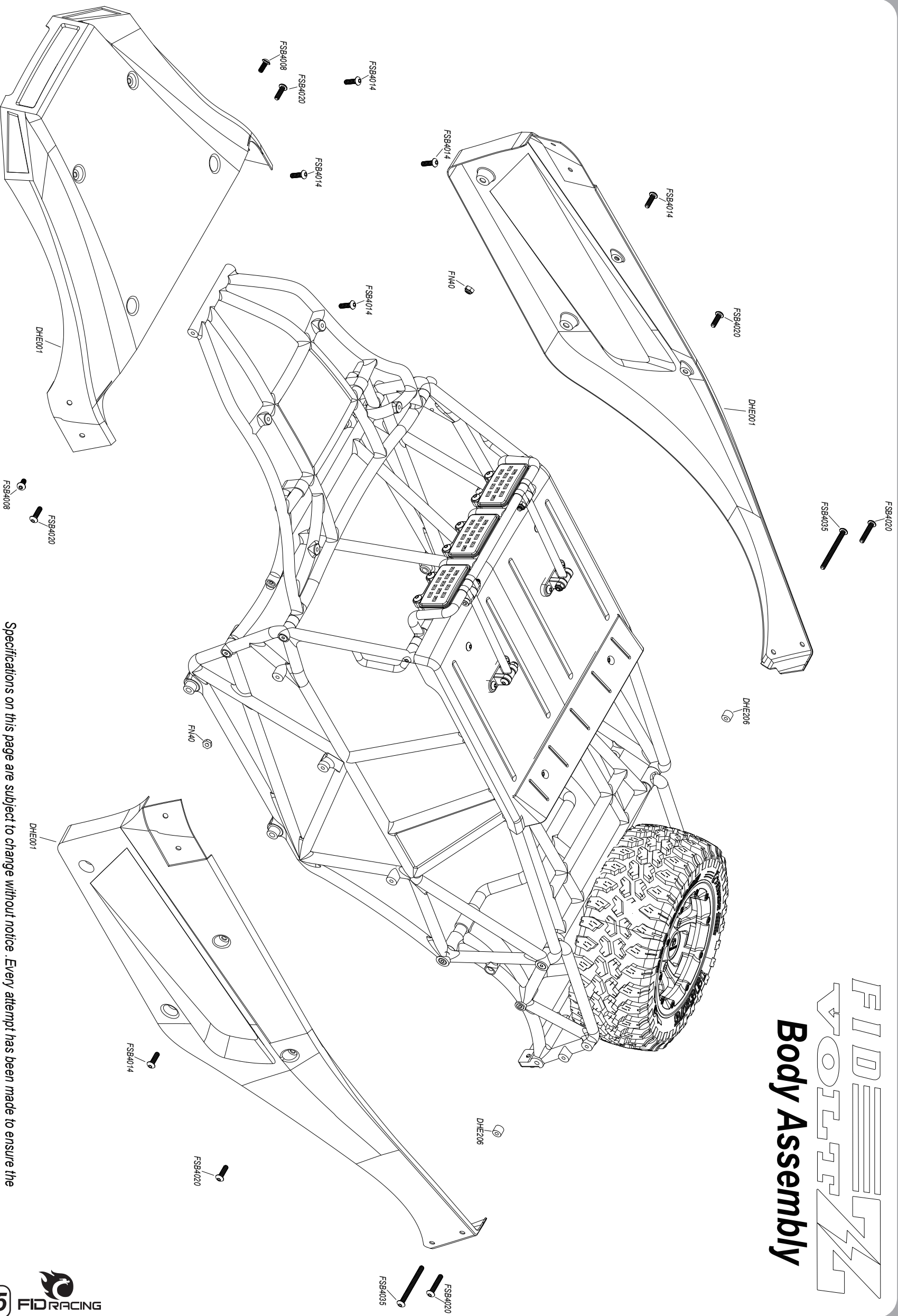
NOTE: Paint the body shell from the inside using spray colors.

Roll Cage & Body Assembly



Specifications on this page are subject to change without notice. Every attempt has been made to ensure the accuracy of this drawing; however, FID Racing cannot be held responsible for typographical or other errors.

Body Assembly

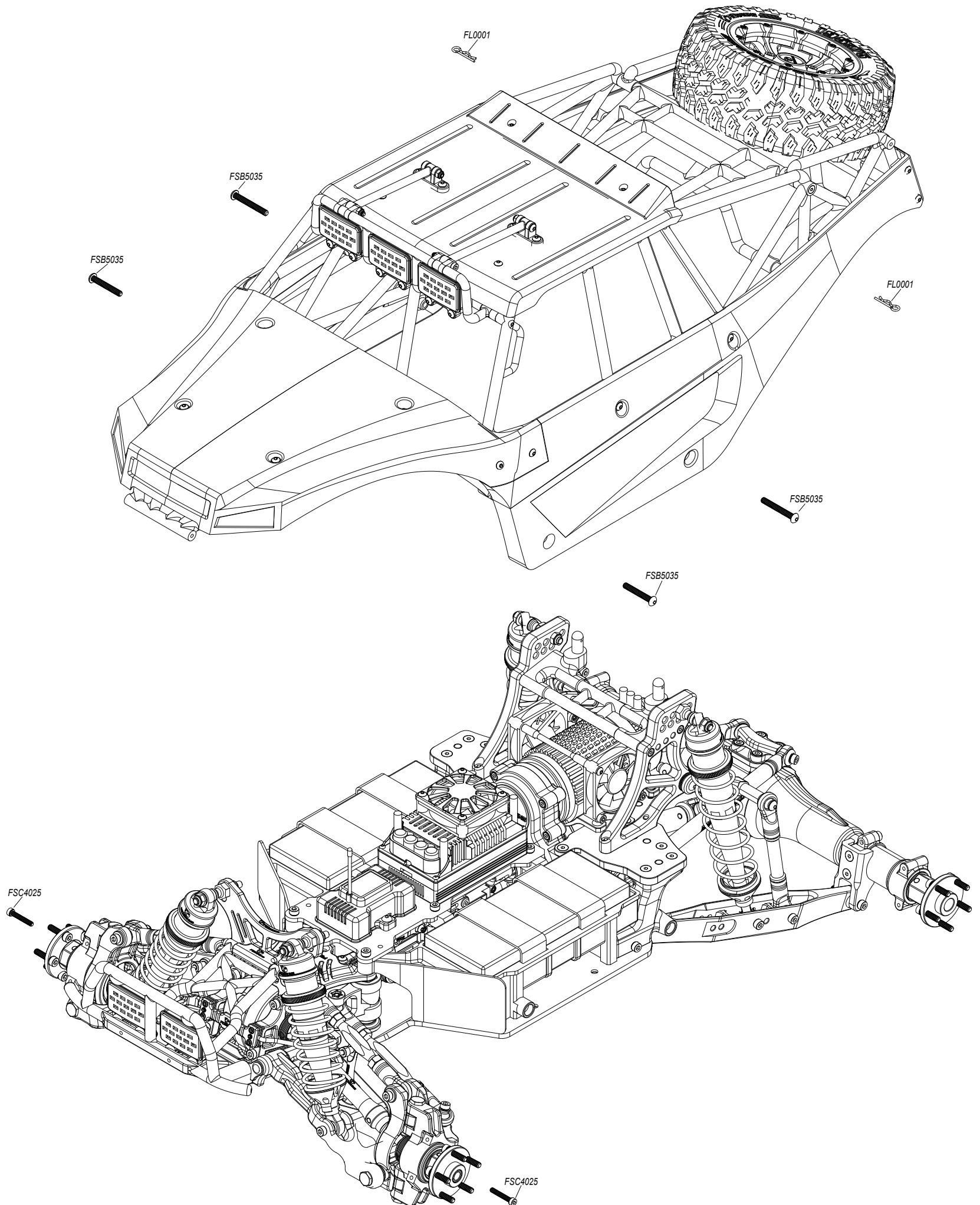


Specifications on this page are subject to change without notice. Every attempt has been made to ensure the accuracy of this drawing; however, FID Racing cannot be held responsible for typographical or other errors.

FID RACING VOLT Z

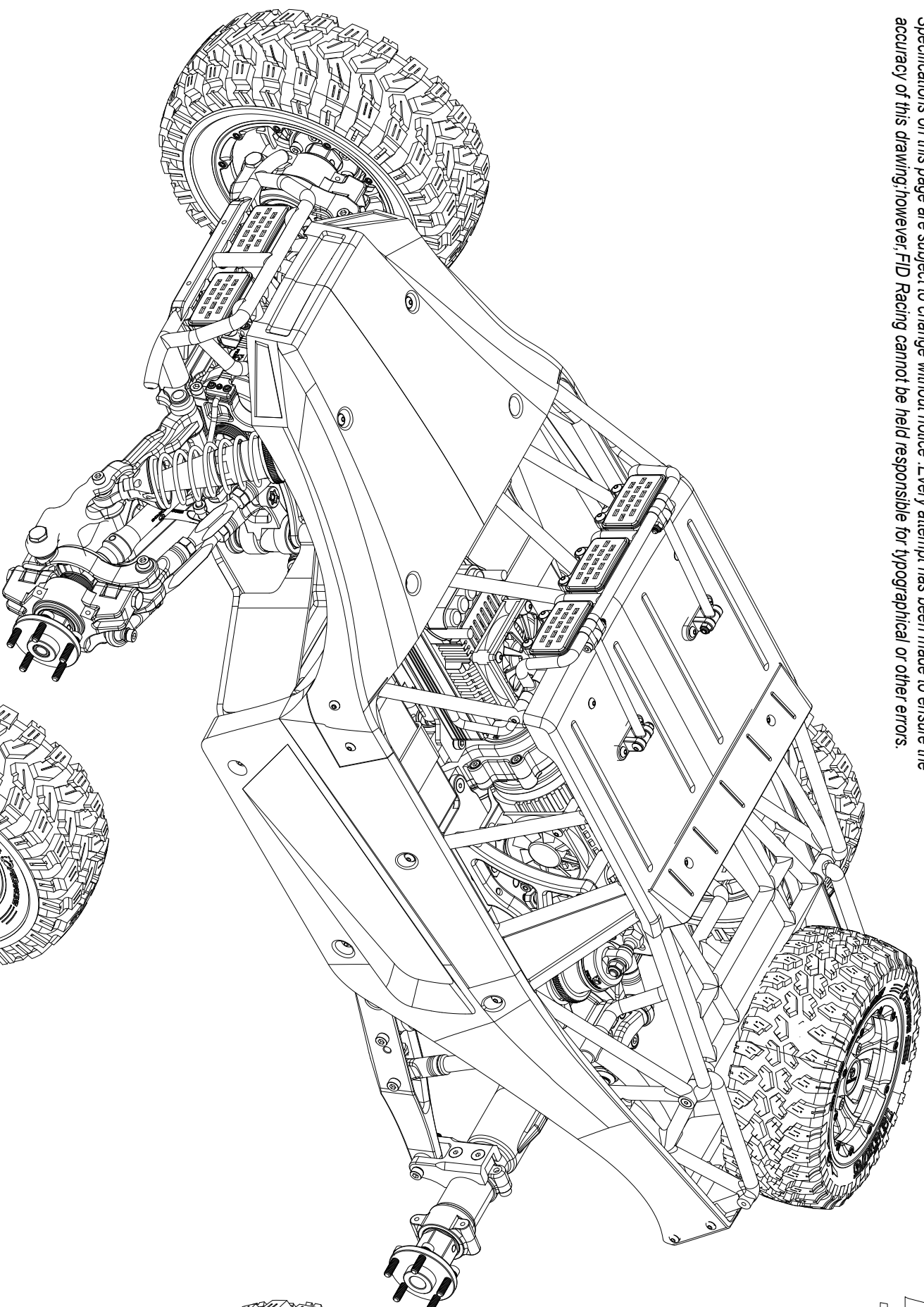
Roll cage Installation

Specifications on this page are subject to change without notice. Every attempt has been made to ensure the accuracy of this drawing; however, FID Racing cannot be held responsible for typographical or other errors.



Specifications on this page are subject to change without notice. Every attempt has been made to ensure the accuracy of this drawing; however, FID Racing cannot be held responsible for typographical or other errors.

FID RACING VOLEX Final Assembly



Parts List

Part #	Description	Part #	Description	Part #	Description
DHE001	Clear body set	DHE100	King pin bushing	DHE199	Rear drive shaft joint
DHE002	Roll-cage right	DHE101	Servo saver right	DHE200	Female shaft
DHE003	Roll-cage left	DHE102	Servo saver top	DHE201	Male shaft
DHE004	Roll-cage rear	DHE103	Servo saver bottom	DHE202	M3 Washer
DHE005	Roll-cage front	DHE104	Servo saver body	DHE203	Body Pin (8mm)
DHE006	Roll-cage top	DHE105	Servo saver nut	FSC3008	M3x8 Cap head screw (10pcs)
DHE007	Roll-cage set	DHE106	Servo saver post	FSC3010	M3x10 Cap head screw (10pcs)
DHE008	Roll-cage set front	DHE107	Servo saver spring	FSC3016	M3x16 Cap head screw (10pcs)
DHE009	Roll-cage set right	DHE108	Bearing 7x14x5mm	FSC3025	M3x25 Cap head screw (10pcs)
DHE010	Roll-cage set left	DHE109	Flange bearing 7x13x4mm	FSB4005	M4x5 Button head screw (10pcs)
DHE011	Taillights mount	DHE110	Ball 9x10.8mm	FSB4008	M4x8 Button head screw (10pcs)
DHE012	Light mount	DHE111	Ball 11x13mm	FSB4012	M4x12 Button head screw (10pcs)
DHE013	Light bar	DHE112	Ball 11x15mm	FSB4014	M4x14 Button head screw (10pcs)
DHE014	Light mount set	DHE113	Shock mount	FSB4016	M4x16 Button head screw (10pcs)
DHE015	Front light cover	DHE114	Front shock body	FSB4018	M4x18 Button head screw (10pcs)
DHE016	Light pod	DHE115	Shock top cover	FSB4020	M4x20 Button head screw (10pcs)
DHE017	Roll-cage rear set left	DHE116	Spring adjuster	FSB4025	M4x25 Button head screw (10pcs)
DHE018	Roll-cage rear set right	DHE117	Spring mount	FSB4030	M4x30 Button head screw (10pcs)
DHE019	Link bar left	DHE118	Front shock spring	FSB4035	M4x35 Button head screw (10pcs)
DHE020	Link bar right	DHE119	Shock boot	FSC4016	M4x16 Cap head screw (10pcs)
DHE021	Tires(175x75mm)	DHE120	Front shock shaft	FSC4020	M4x20 Cap head screw (10pcs)
DHE022	Inner foam(175mm)	DHE121	Shock ball end	FSC4025	M4x25 Cap head screw (10pcs)
DHE023	Hub	DHE122	Plastic bushing	FSC4030	M4x30 Cap head screw (10pcs)
DHE024	Out rim	DHE123	Ball 11x13mm	FSC4035	M4x35 Cap head screw (10pcs)
DHE025	Inner rim	DHE124	Shock bottom cover	FSC4070	M4x70 Cap head screw (10pcs)
DHE026	Hub cap	DHE125	Shock piston	FSF4010	M4x10 Flat head screw (10pcs)
DHE027	Spare tire lower mount	DHE126	Washer	FSF4012	M4x12 Flat head screw (10pcs)
DHE028	Spare tire mount	DHE127	PLastic washer	FSF4030	M4x30 Flat head screw (10pcs)
DHE029	Front bumper	DHE128	Diaphragm	FSF4035	M4x35 Flat head screw (10pcs)
DHE030	Front bumper set	DHE129	O-ring D14xφ3.5	FSF4050	M4x50 Flat head screw (10pcs)
DHE031	Light cover	DHE130	O-ring D21xφ2	FSB5012	M5x12 Button head screw (10pcs)
DHE032	Light pod	DHE131	O-ring D33xφ2.5	FSB5016	M5x16 Button head screw (10pcs)
DHE033	License plate mount	DHE132	Steering servo	FSB5035	M5x35 Button head screw (10pcs)
DHE034	Front gear box left	DHE133	Servo arm washer	FSC5014	M5x14 Cap head screw (10pcs)
DHE035	Front gear box right	DHE134	Servo arm	FSC5016	M5x16 Cap head screw (10pcs)
DHE036	13T pinion gear	DHE135	Servo arm mount	FSC5020	M5x20 Cap head screw (10pcs)
DHE037	Drive shaft Joint	DHE136	Servo arm link	FSC5025	M5x25 Cap head screw (10pcs)
DHE038	Spring ring	DHE137	Servo arm link shaft	FSC5030	M5x30 Cap head screw (10pcs)
DHE039	Center drive shaft(220mm)	DHE138	Ball 9x19mm	FSC5035	M5x35 Cap head screw (10pcs)
DHE040	King pin (6.5mm)	DHE139	Servo turnbuckle	FSC5040	M5x40 Cap head screw (10pcs)
DHE041	PIN 3.5x18mm	DHE140	Servo turnbuckle ball end	FSF5008	M5x8 Flat head screw (10pcs)
DHE042	PIN 4x20mm	DHE141	Servo mount	FSF5016	M5x16 Flat head screw (10pcs)
DHE043	PIN 5x20mm	DHE142	Battery box left	FSF5018	M5x18 Flat head screw (10pcs)
DHE044	Diff shaft	DHE143	Battery box right	FSF5020	M5x20 Flat head screw (10pcs)
DHE045	Bearing 10x22x6mm	DHE144	Receiver box	FSF5025	M5x25 Flat head screw (10pcs)
DHE046	Bearing 10x26x8mm	DHE145	2nd floor plate	FSF5035	M5x25 Flat head screw (10pcs)
DHE047	Bearing 12x24x6mm	DHE146	Antenna pipe	FSF6018	M6x18 Flat head screw (10pcs)
DHE048	Washer φ20xφ27x1.5mm	DHE147	Velcro tape	FW051010	Washer 5x10x1mm (10pcs)
DHE049	Diff connecting cup	DHE148	74120 Motor	FW061308	Washer 6x13x0.8mm (10pcs)
DHE050	Diff cap	DHE149	300A ESC	FMS4004	M4x4 Set Screw (10pcs)
DHE051	Differential pads(44.9mm)	DHE150	Center gear box (front)	FMS4005	M4x5 Set Screw (10pcs)
DHE052	Differential pads(49mm)	DHE151	Center gear box (rear)	FMS5008	M5x8 Set Screw (10pcs)
DHE053	Differential housing	DHE152	21T gear	FMS5010	M5x10 Set Screw (10pcs)
DHE054	43T diff gear	DHE153	57T gear	FMS6005	M6x5 Set Screw (10pcs)
DHE055	Washer φ9.2xφ22x0.5mm	DHE154	57T gear mount	FMS6008	M6x8 Set Screw (10pcs)
DHE056	O-ring D15xφ3.1	DHE155	Center diff shaft	FMS6020	M6x20 Set Screw (10pcs)
DHE057	Diff shaft mount	DHE156	Gear box cover	FN40	M4 Nylon Nut (10pcs)
DHE058	12T diff gear	DHE157	18T gear 6mm	FN50	M5 Nylon Nut (10pcs)
DHE059	16T diff gear	DHE158	19T gear 4.6mm	FN60	M6 Nylon Nut (10pcs)
DHE060	Tires(230mm)	DHE159	Center gear box shaft	FNF50	M5 Flanged Nylon Nut (10pcs)
DHE061	Inner foam(231mm)	DHE160	Motor mount bottom		
DHE062	Front wheel hex hub	DHE161	Motor mount top		
DHE063	Steering block right	DHE162	Fan mount		
DHE064	Front carriers right	DHE163	Fan		
DHE065	Front lower arm right	DHE164	Fan mount link		
DHE066	Steering block left	DHE165	Y-line		
DHE067	Front carriers left	DHE166	Rear 2ed floor plate		
DHE068	Front lower arm left	DHE167	Rear shock tower		
DHE069	PIN 6x100mm(2pcs)	DHE168	Rear arm		
DHE070	Arm shaft	DHE169	Rear arm mount		
DHE071	Steering shaft	DHE170	Rear turnbuckle mount		
DHE072	Bearing 12x28x8mm	DHE171	Turnbuckle mount front		
DHE073	Bearing 20x32x7mm	DHE172	Rear arm mount left		
DHE074	CVD connecting cup	DHE173	Rear arm mount right		
DHE075	Drive shaft (153.5mm)	DHE174	Rear 2ed floor plate mount		
DHE076	Shaft (8x16mm)	DHE175	Ball end		
DHE077	PIN 4x24mm	DHE176	Rear turnbuckle		
DHE078	Description	DHE177	Spring clip		
DHE079	PIN 5x24mm	DHE178	Washer 6x7.3mm		
DHE080	Big spring ring	DHE179	Bearing 6x14x6mm		
DHE081	Dust cover	DHE180	Rear swaybar mount		
DHE082	Front gear box top mount	DHE181	Rear swaybar link		
DHE083	Front gear box lower mount	DHE182	Ball 11x13mm		
DHE084	Steering top plate	DHE183	Rear swaybar shaft		
DHE085	Front shock tower	DHE184	Rear swaybar		
DHE086	Front bumper mount	DHE185	Bearing 9x17x4mm		
DHE087	Sway bar mount	DHE186	Roll-cage mount		
DHE088	Arm mount-FF	DHE187	Rear shock bady		
DHE089	Arm mount-FR	DHE188	Description		
DHE090	Sway bar ball end	DHE189	Rear shock spring		
DHE091	Ball 6.5x7mm	DHE190	Rear shock boo		
DHE092	Ball 6.5x17mm	DHE191	Rear shock shaft		
DHE093	Front swaybar	DHE192	Rear wheel hex hub		
DHE094	Chassis	DHE193	Solid axle set rear		
DHE095	Ball end	DHE194	Solid axle set front		
DHE096	M8 nut set	DHE195	Rear drive shaft		
DHE097	Turnbuckle 85mm	DHE196	Rear drive shaft joint		
DHE098	Turnbuckle 105mm	DHE197	Drive shaft mount		
DHE099	Steering plate	DHE198	Drive shaft		

