

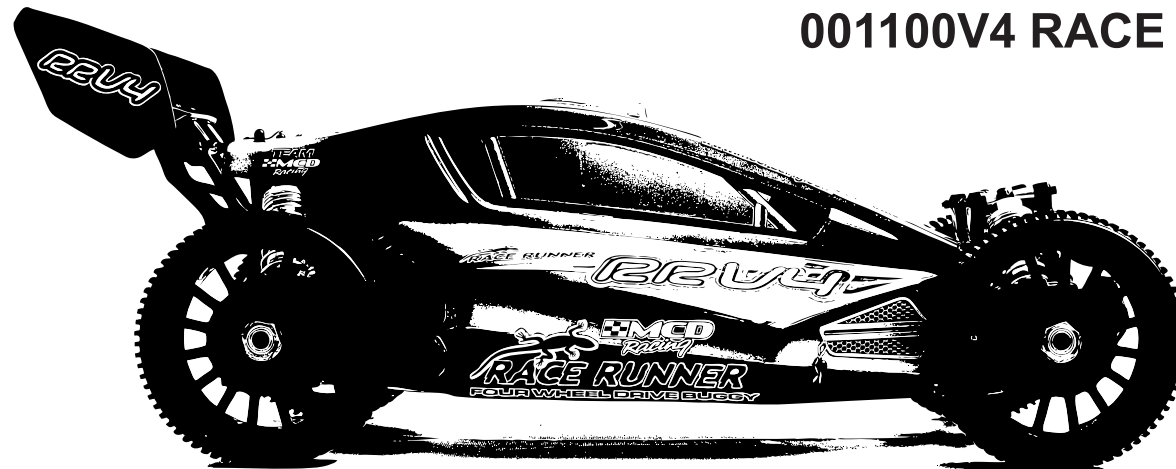
MCD
Racing

BBU4

SPARE PARTS LOCATOR

001100V4 RACE RUNNER V4 SPORT

Rev 3.0 07/2010





THANK YOU

Thank you for selecting MCD RRV4. This car is designed to ensure you the best driving experience possible. With its highly engineered and durable composite parts you will have a dedicated constancy and rapid responses to your commands. Please enjoy driving your rock solid MCD.



CAUTION

Please take attention on the instructions. Otherwise you can damage your kit and cause serious injury or death.



CAUTION

Please use extreme caution when operating fuel powered R/C cars. These models use use highly poisonous and flammable fuels. The cars can exceed speeds of 50 m.p.h. and cause serious self injury and damage to property.

Safety Guides When Operating Gasoline Engines

- For operating the engine a mixture of gasoline and two cycle oil are required. Please use extreme caution with gasoline.
- Running the car near open flames can cause your car to catch fire. Do not smoke while refueling your model.
- Always store fuel in a well ventilated place, Keep away from heating devices, open flames, direct sunlight, or batteries while storing.
- Gasoline is flammable and poisonous. Gasoline powered model engines emit poisonous vapours. These vapours can irritate eyes and can be highly dangerous to your health.
- For the engine you can mount on our car, you must only use a mixture of gasoline and two cycle oil as fuel .
- Operation overheats some parts such as the exhaust and the engine. Do not touch them until they have cooled.
- Before storing the car please empty the fuel tank .
- Keep fuel away from children.
- Store in a well ventilated area.
- Do not touch the moving parts while the engine is running.



ATTENTION

Apply lock nut cement to all metric screws.

WASH BODY SHELL BEFORE PAINTING
WITH WASHING UP LIQUID
REMOVE PROTECTION FILM AFTER PAINTING

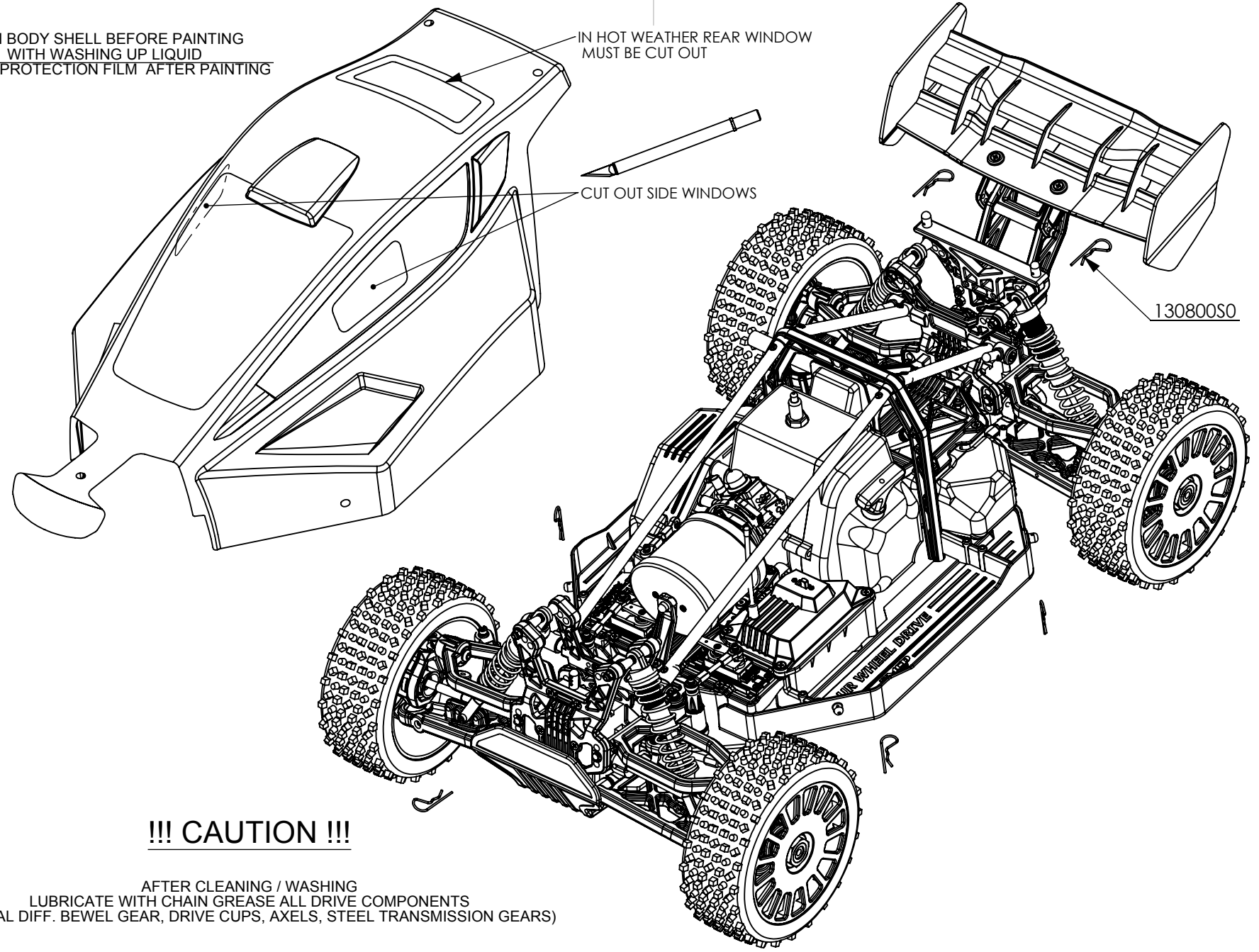
IN HOT WEATHER REAR WINDOW
MUST BE CUT OUT

CUT OUT SIDE WINDOWS

130800S0

!!! CAUTION !!!

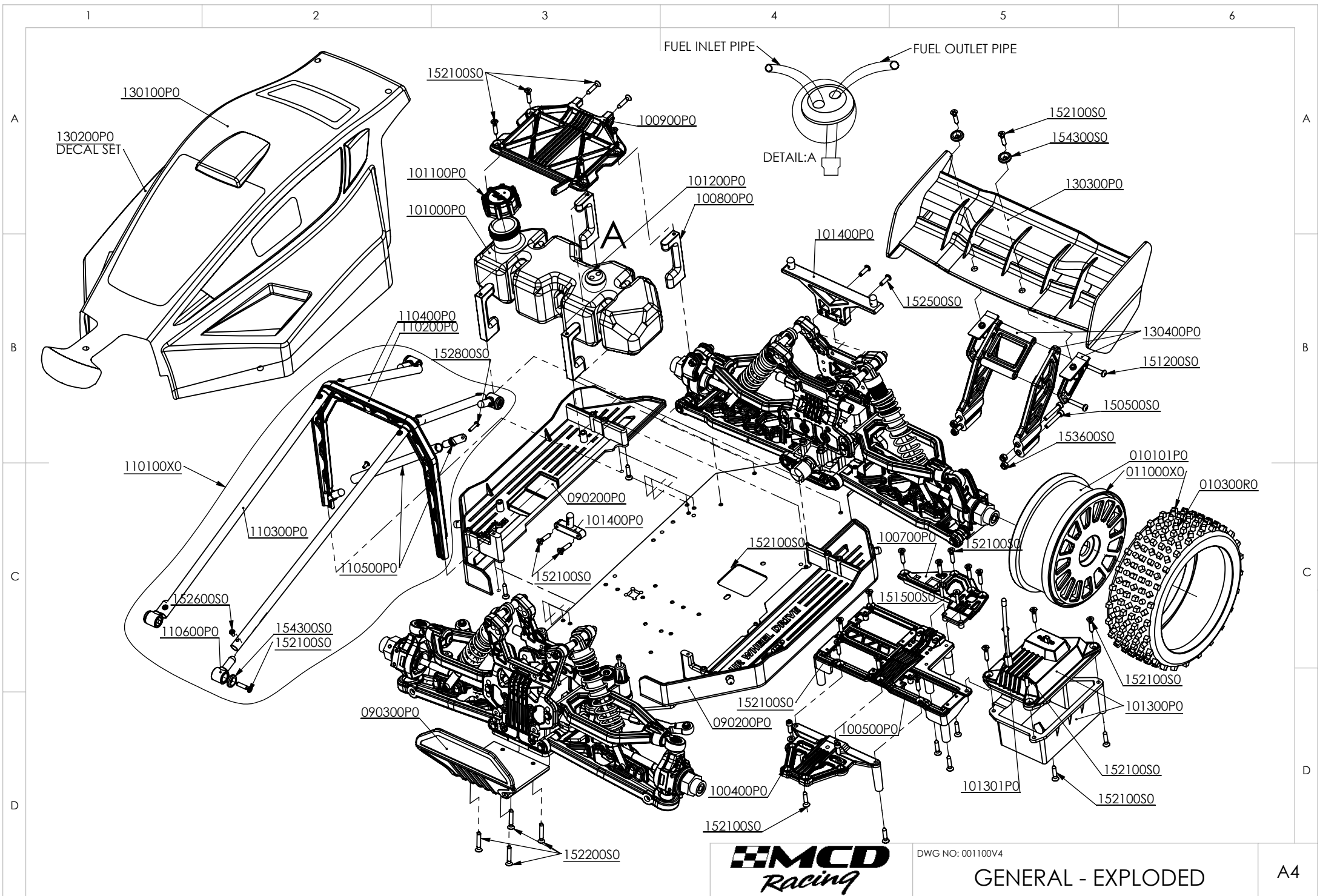
AFTER CLEANING / WASHING
LUBRICATE WITH CHAIN GREASE ALL DRIVE COMPONENTS
(CENTRAL DIFF. BEWEL GEAR, DRIVE CUPS, AXELS, STEEL TRANSMISSION GEARS)



DWG NO: 001100V4

GENERAL VIEW

A4



DWG NO: 001100V4

GENERAL - EXPLODED

A4

A

B

C

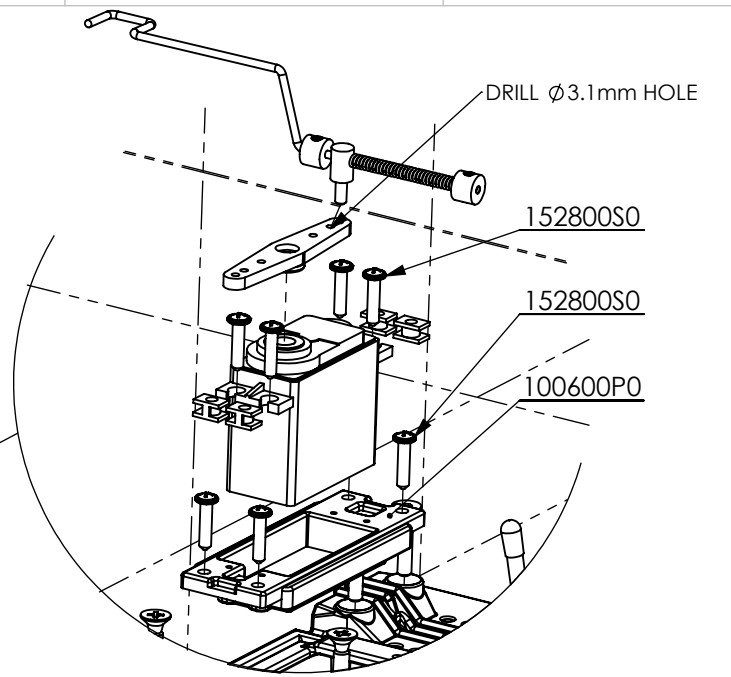
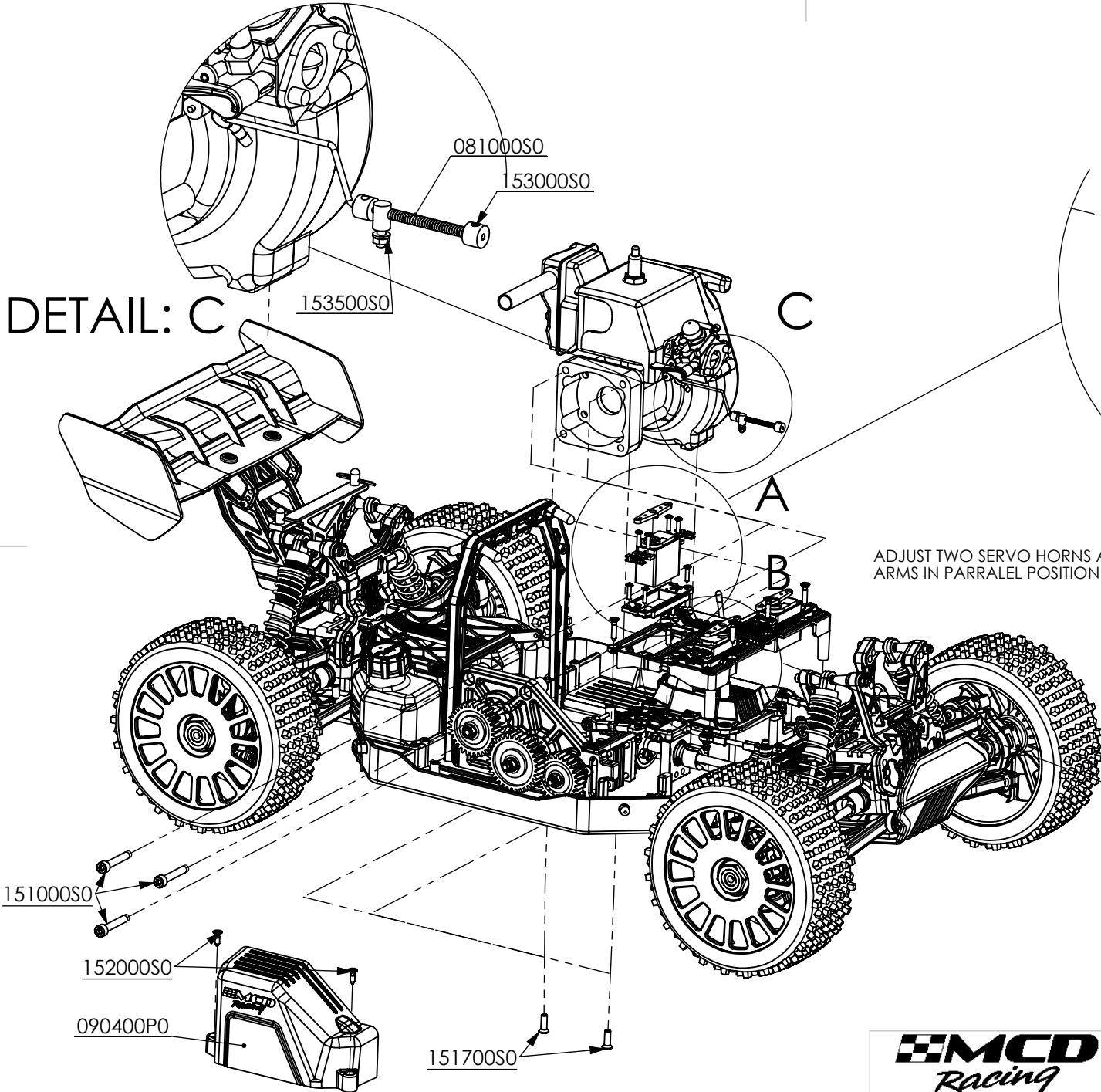
D

A

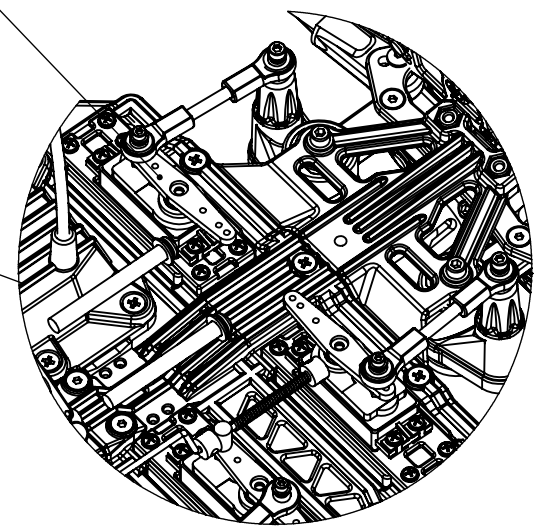
B

C

D



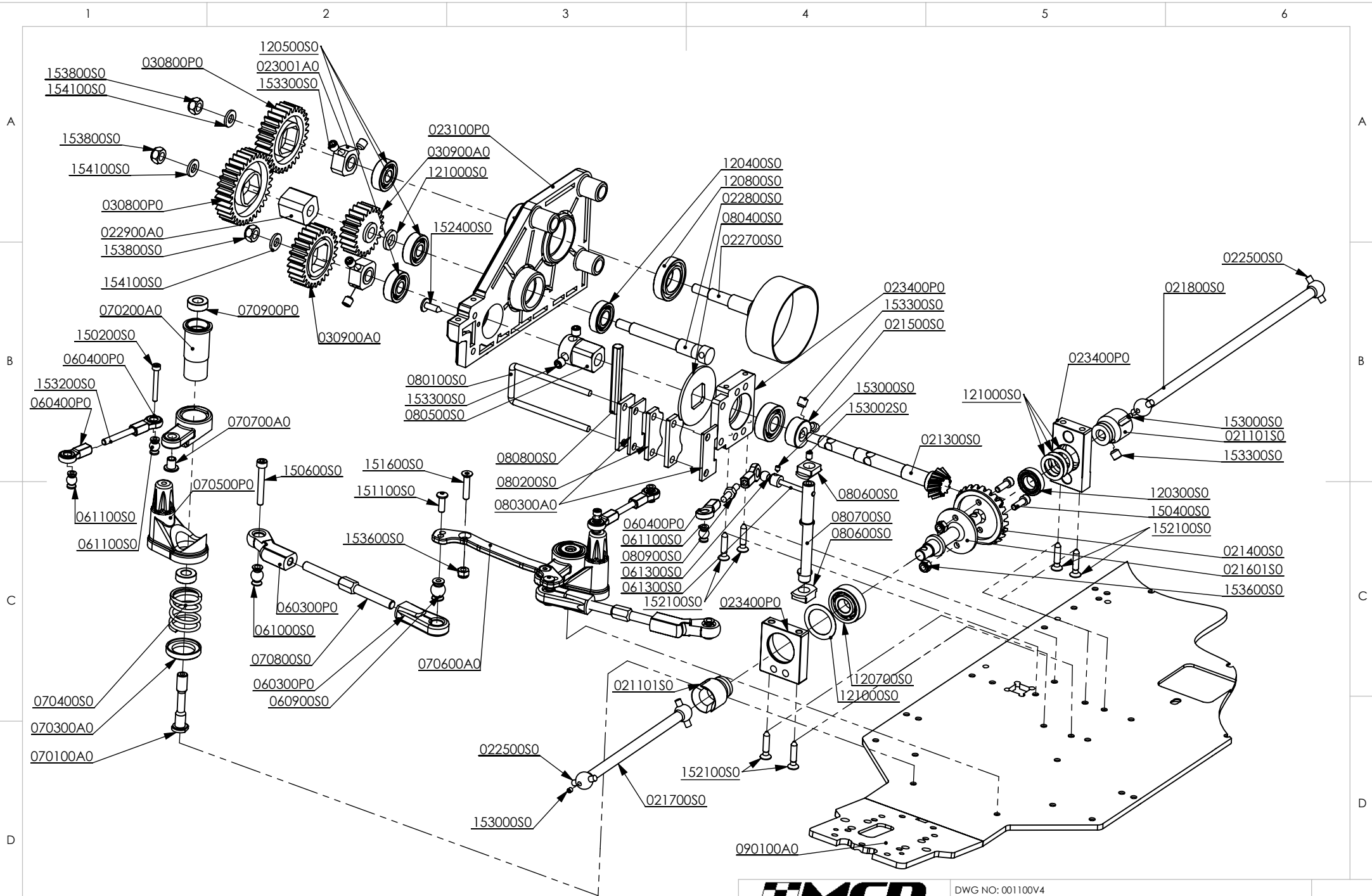
ADJUST TWO SERVO HORNS AND STEERING ARMS IN PARRALEL POSITION



DWG NO: 001100V4

ENGINE - SERVO ASS'Y

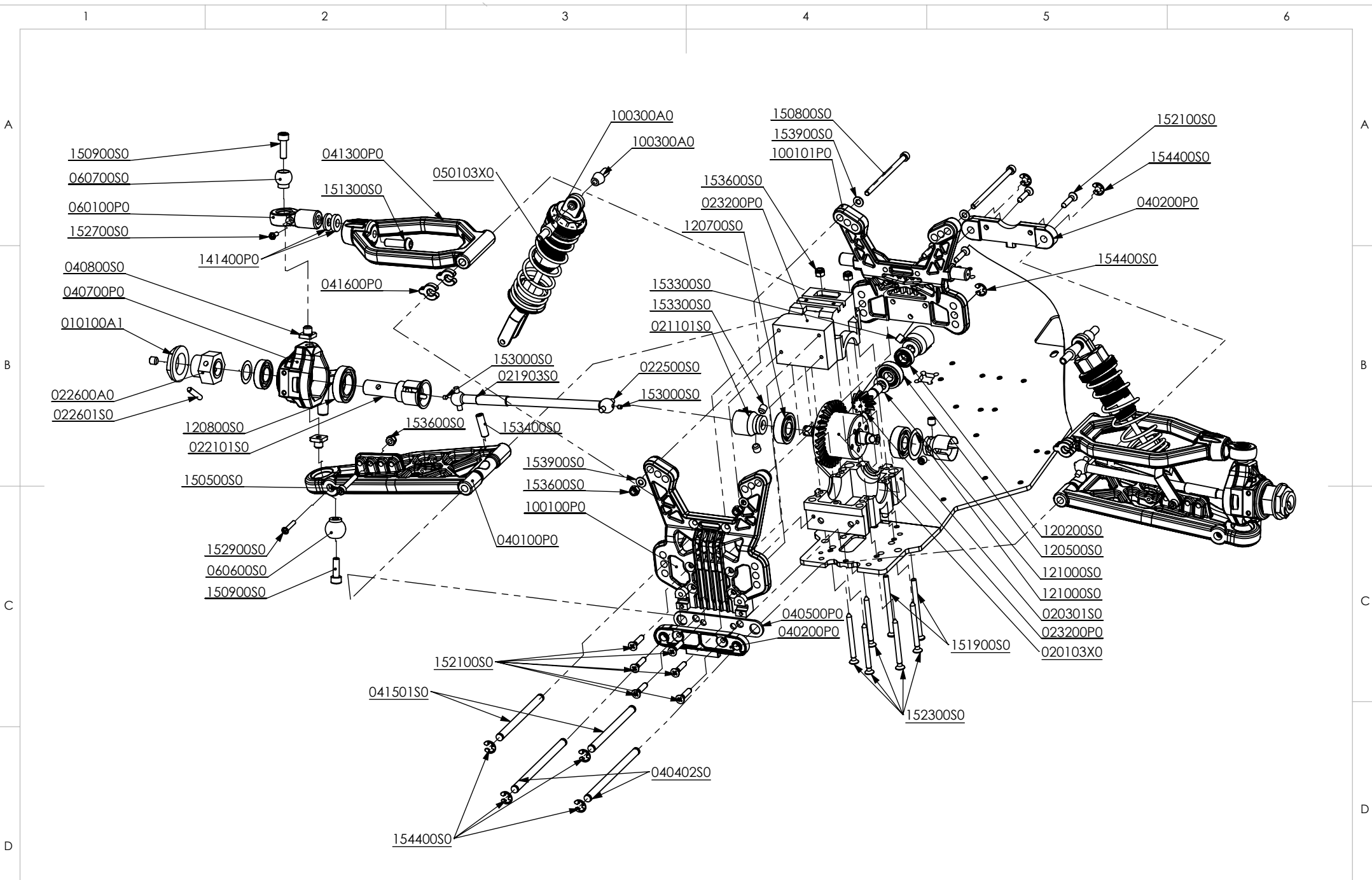
A4



DWG NO: 001100V4

CENTER - EXPLODED

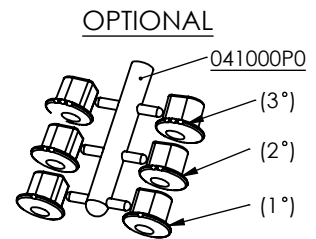
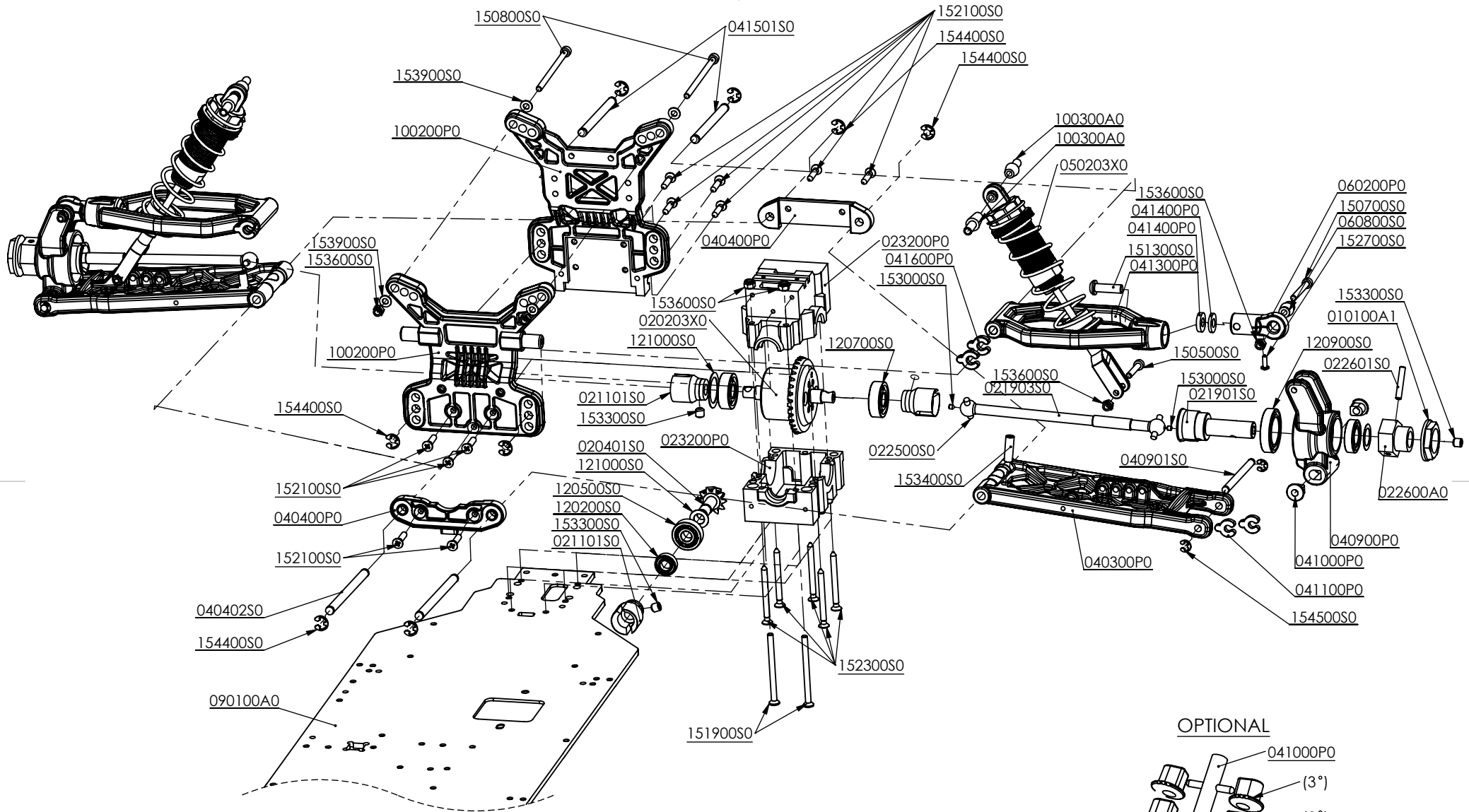
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DWG NO: 001100V4

FRONT - EXPLODED

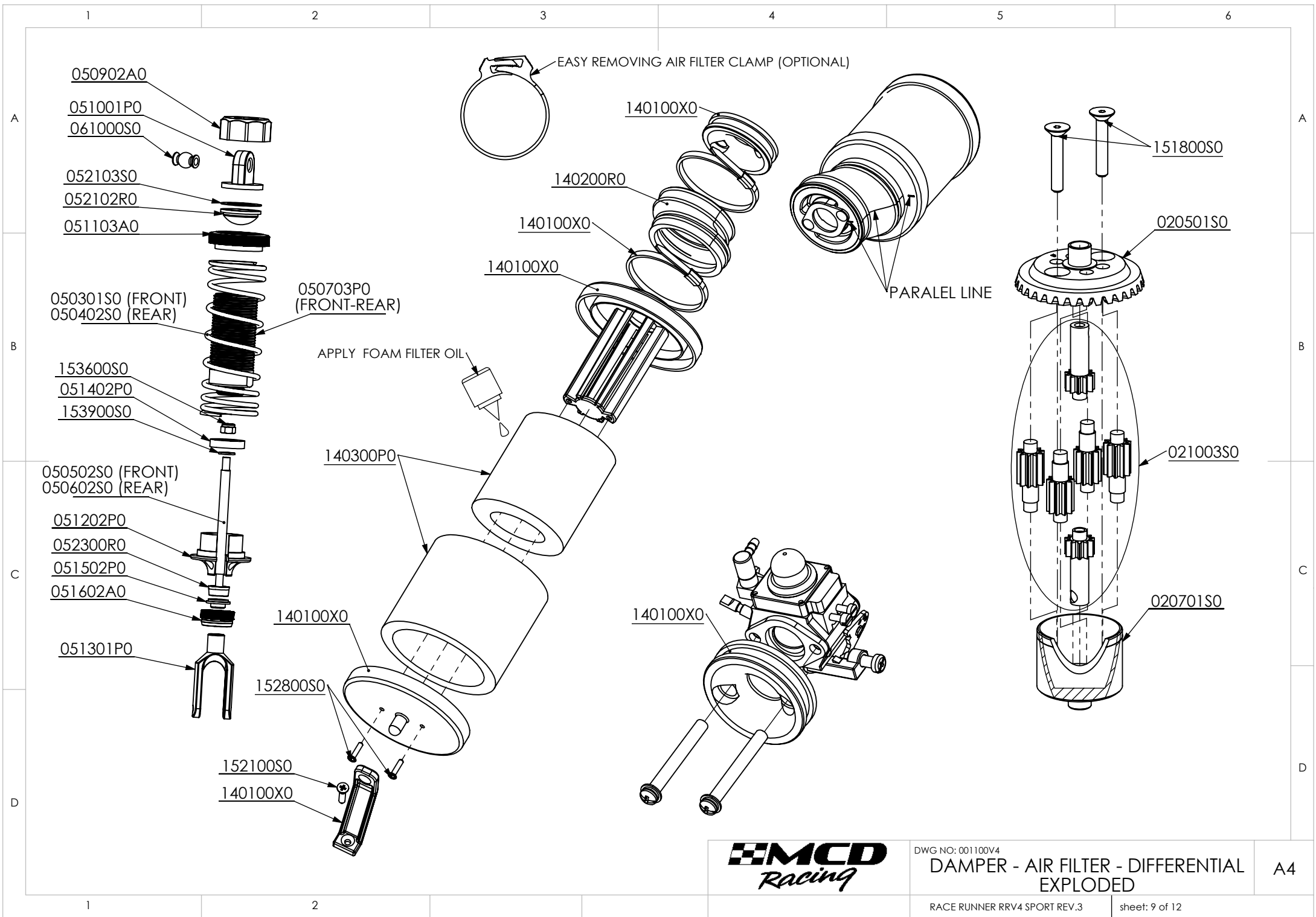
A4



DWG NO: 001100V4

REAR - EXPLODED

A4



DWG NO: 001100V4
DAMPER - AIR FILTER - DIFFERENTIAL EXPLODED

A4

1

2

3

4

5

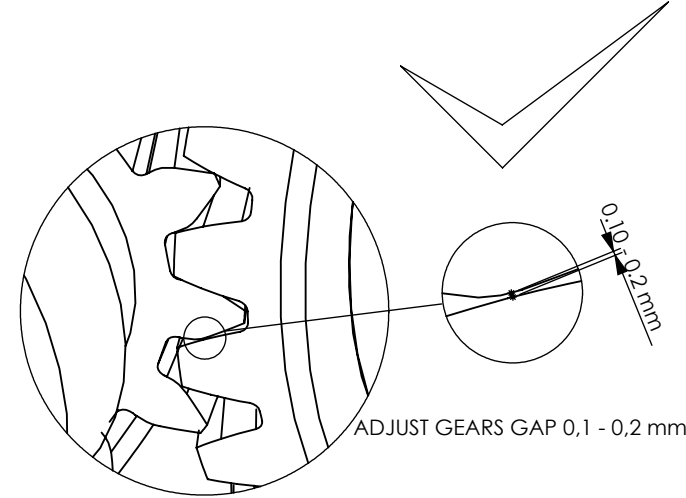
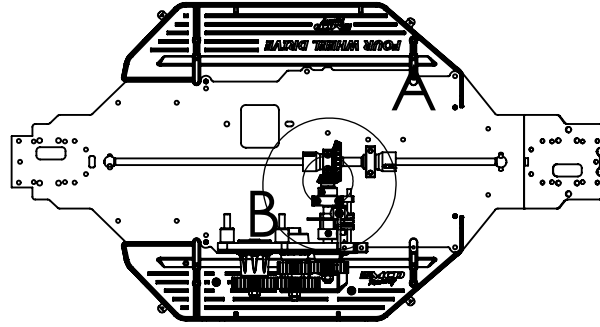
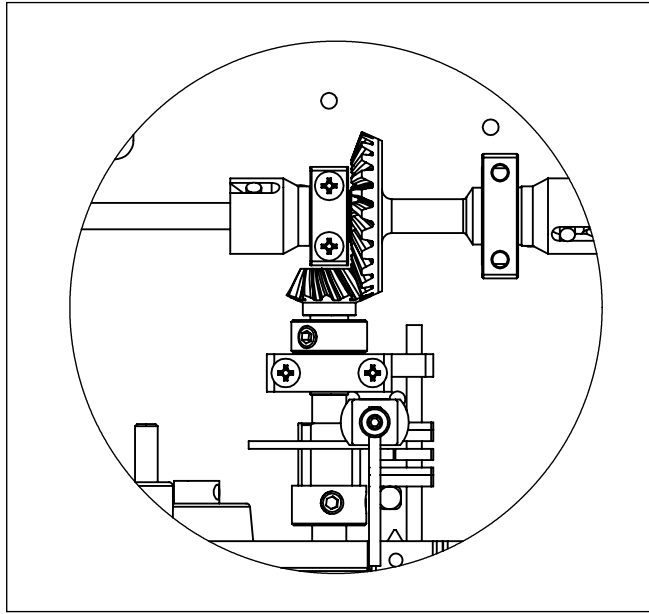
6

A

A

B

B



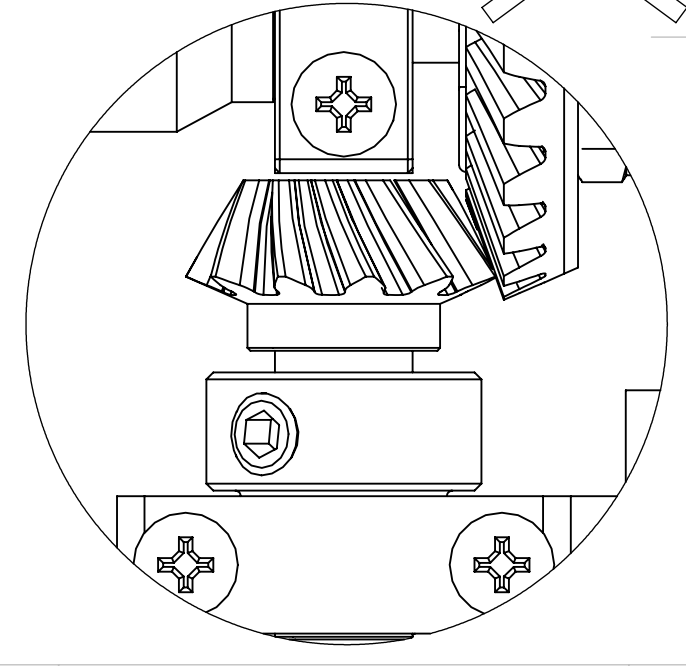
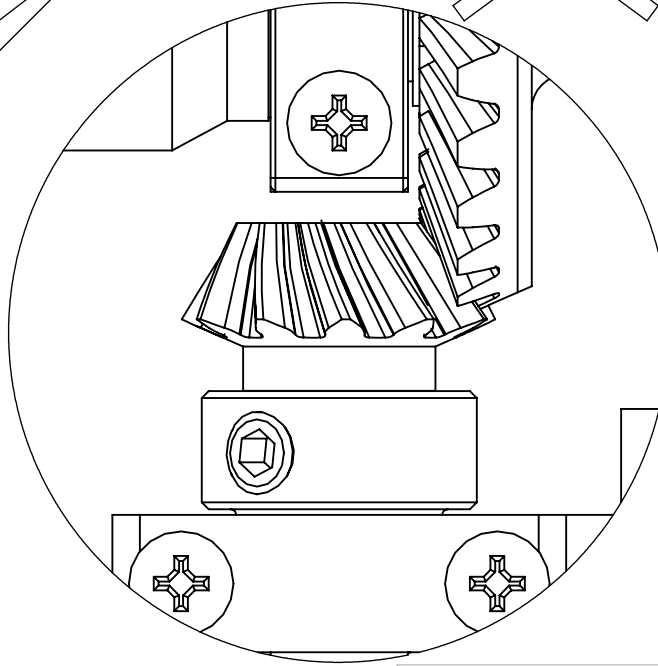
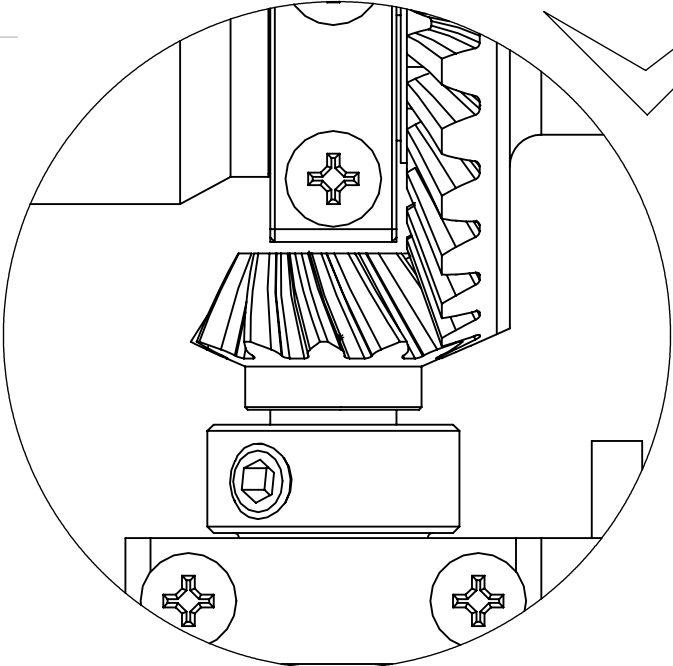
ADJUST GEARS GAP 0,1 - 0,2 mm

C

C

D

D



ADJUST CORRECT GEAR MESHING BY USING BEARING SHIMS AND LAY SHAFT SET SCREW



CENTER GEARS ASSEMBLY

A4

1

2

Product Code	Product Name	Product Code	Product Name
Wheels & Tyres		021101S0	Diff Output Coupling (SPORT)
010100A1	Wheel Nut 18MM	021200X0	Central Solid Diff Assy
010101P0	WHEEL BLACK 15 SPOKE 180MM	021201X0	Central Solid Diff Assy (SPORT)
010200P0	WHEEL BLACK DISH 155MM	021202X0	Center Differential Assy.
010201P0	WHEEL BLACK DISH MONSTER 220MM	021300S0	Central Bevel Gear Z11 (Lay Shaft)
010202P0	WHEEL BLACK MONSTER 09/2010	021400S0	Central Diff Crown Wheel Gear Z25 For Solid Diff
010203P0	WHEEL BLACK MONSTER CIRCLE INNER - OUTER SET. 09/2010	021401S0	Central Diff Crown Wheel Gear Z25
010300R0	180MM BLOCK STUT TYRE WITE SPOT	021500S0	Central Diff Bevel Adjustment Spacer
010400R0	180MM MICRO STUT TYRE WHITE SPOT	021600S0	Central Diff Solid Bar
010500R0	180MM BLOCK STUT TYRE ULTRA GRIP	021601S0	Central Diff Solid Bar (SPORT)
010600R0	180MM Micro STUT TYRE ULTRA GRIP	021700S0	Central Front Drive Shaft (DogBone)
010700R0	155MM BLOCK STUT TYRE ULTRA GRIP	021800S0	Central Rear Drive Shaft (DogBone)
010800R0	155MM Micro STUT TYRE ULTRA GRIP	021900S0	Rear Drive Shaft (Dog Bone) Chrome Competition
010900R0	MONSTER TYRE 220MM	021901S0	Rear Axle
010901R0	MONSTER TYRE 09/2010	021903S0	Front / Rear Drive Shaft (SPORT)
011000X0	180MM BLOCK STUT WHITE SPOT-15 SPOKE WHEEL ASSY	022000X0	Front CVD Assy
011100X0	180MM Micro STUT WHITE SPOT-15 SPOKE WHEEL ASSY	022100S0	Front Axle for CVD
011200X0	Monster tyre Black Dish wheel Assy 220mm	022101S0	Front Axle (SPORT)
011201X0	Monster tyre - Black wheel Assy 09/2010	022200S0	Front Drive Shaft Repair Kit for CVD
Transmission System		022300S0	Front CVD Barrel
020100X0	Front Planet Diff Assy	022400S0	Front CVD pin Q4x22MM
020101X0	Front Planet Diff Assy (SPORT)	022500S0	Drive Shaft Pins Q4x20MM
020102X0	Front Planet Diff Assy Z8 062010	022600A0	Wheel Drive Block (Hex)
020103X0	Front Planet Diff Assy Z8 (SPORT) 062010	022601S0	Wheel Drive Block Pins Q4x24mm
020200X0	Rear Planet Diff Assy	022700S0	Engine Clutch Bell.
020201X0	Rear Planet Diff Assy (SPORT)	022800S0	Ger Box Central Transmission Shaft (B-C Gears)
020202X0	Rear Planet Diff Assy Z8 062010	022900A0	Ger Box Drive Block for Central Transmission Shaft (B-C Gears)
020203X0	Rear Planet Diff Assy Z8 (SPORT) 062010	023000S0	Gear Box Steel Drive Block (A-D Gears)
020300S0	Front Diff Bevel gear Z10	023001A0	Gear Box Alloy Drive Block (A-D Gears) SPORT
020301S0	Front Diff Bevel gear Z10 (SPORT)	023100P0	Engine Carrier Plate (Gear Box)
020400S0	Rear Diff Bevel gear Z10	023200P0	Diff House Upper / Lower - Front/Rear
020401S0	Rear Diff Bevel gear Z10 (SPORT)	023201A0	Lower differential house Alloy
020500S0	Front Diff Crown Wheel Gear Z32	023300A0	Central Diff Holder Alloy Set
020501S0	(New) Front Diff Crown Wheel Gear Z32 062010	023400P0	Central Diff Holder Set (SPORT)
020600S0	Rear Diff Crown Wheel Gear Z32	Gears	
020601S0	(New) Rear Diff Crown Wheel Gear Z32 062010	030100S0	Steel Gear Z30 - Z33 (A/B) Standard
020700S0	Front/Rear Steel Diff Case	030200S0	Steel Gear Z23 - Z26 (C/D) Standard
020701S0	(New) Front/Rear Steel Diff Case 062010	030300S0	Steel Gear Z26 - Z37 (A/B)
020702S0	Central Steel Diff Case	030400S0	Steel Gear Z28 - Z35 (A/B)
020800S0	Diff internal Planetary Pins for Z9	030500S0	Steel Gear Z31 - Z32 (A/B)
020801S0	Center Diff. internal Planetary Z7	030600S0	Steel Gear Z24 - Z25 (C/D)
020900S0	Z9 Planetary Gears	030700S0	Steel Gear Z19 - Z30 (C/D)
021000S0	Z10 Diff Output Gears (Hex)	030800P0	Polyamid Gear Z30-33 (A/B) Standard
021001S0	Z10 Diff Output Gears (SPORT)	030900A0	Polyamid-Alloy Gear Z22-27 (C/D) Standard
021002S0	Diff. Planetary Gears Set Z7-Z8 (Hex) 062010	031000A0	Polyamid-Alloy Gear Z19-30 (C/D) Monster Standard
021003S0	Diff.Planetary Gears Set. Z7-Z8 (SPORT) 062010	031100P0	Polyamid Gear Z27-36 (A/B)
021100S0	Diff Output Coupling (Hex)	031200P0	Polyamid Gear Z24-39 (A/B)
Rosse & Ball Joints		Suspension System	
060100P0	Front Upper RoseJoint Q14mm Left/Right	040100P0	Front Lower Wishbone Left/Right Set
060200P0	Rear Upper RoseJoint Q10mm	040200P0	Front Wishbone Bracket Inner/Outer Set
060300P0	Steering - Rodarms Rose Joint Set Q10&Q8.5mm	040300P0	Rear Lower Wishbone Left/Right Set
060400P0	Steering / Brake Servo Rose Joint Set Q7mm	040400P0	Rear Wishbone Bracket Inner/Outer Set
060500P0	AntiRollBar Rose Joint Q7	040401S0	Lower Wishbones Hinge pins Q6x95mm
060600S0	Front Lower Wishbones BallJoint Q5x17mm	040500S0	Steel Front Wishbone Brace Inner/Outer Set
060700S0	Front Upper BallJoint Q5x14mm	040600S0	Steel Rear Wishbone Brace Inner/Outer Set
060800S0	Rear Upper BallJoint Q4x10mm	040700P0	Front Hub Left/Right Set
060900S0	Steering Rod-Arm Inner BallJoint M4x10mm	040800S0	Front Hub Steel Insert
061000S0	Shock Absorber/Steering-Hub BallJoint Q4x8.5mm	040900P0	Rear Hub Left/Right Set (0 Deg. Toe)
061100S0	Servo / Lower Antirollbar Ball Joint Q3*7mm	041000P0	Rear Hub Toe Adjustment Inserts 1,2,3 Deg Set L/R
061200S0	AntiRollBar Ball Joint Upper Q7 with Stop Screw	041100P0	Rear Hub Y Clips 5MM For Wheelbase Adjustment
061300S0	Brake arm Ball Joint with brake pin	041200P0	Rear Lower Wishbone-Hub Hinge Pins Q5x70mm
Steering System		041300P0	Upper Wishbone Front/Rear
070100A0	Steering Main Post	041400P0	Camber Adjustment Spacer Set
070200A0	Steering Sprig Holder Body	041500S0	Upper Wishbones Hinge pins Q6x82mm
070300A0	Steering Servo Saver Adj. Wheel	041600P0	Upper Wishbone Y Clips 6mm For Caster Adjustment
070400S0	Steering Servo Saver Spring	041700X0	AntiRollBar Set 4MM Front/Rear Complete
070500P0	Steering V Arm Body Upper/Lower Set.	041900P0	AntiRollBar Tower Holders
070600A0	Steering Bracket Alloy	Shock Absorber System	
070700A0	Steering Bracket Trust Washers	050102X0	Front Shock Absorber Assy 07/2010
070800S0	Steering Wheel Turnbuckle M6	050103X0	Front Shock Absorber Assy (SPORT) 07/2010
Brake System		050202X0	Rear Shock Absorber Assy 07/2010
080100S0	Brake U Pad Carrier	050203X0	Rear Shock Absorber Assy (SPORT) 07/2010
080200S0	Brake Pads	050301S0	Front Medium Spring 07/2010
080300A0	Brake Pad Fillers 3mm	050402S0	Rear Medium Spring 07/2010
080400S0	Brake Disk	050502S0	Front Shock Shaft Q5x76mm 07/2010
080500S0	Brake Disk Drive Block		

080600S0	Brake Square Eccentric Shaft Carrier	050602S0	Rear Shock Shaft Q5x86mm 07/2010
080700S0	Brake Eccentric Shaft.	050702A0	Front Shock Body 07/2010
080800S0	Brake Pad Stopper pin (Square)	050703P0	Front-Rear Shock Body Set. (SPORT) 07/2010
080900S0	Brake Turnbuckle M4x25mm	050802A0	Rear Shock Body 07/2010
081000S0	Throttle Linkage	050902A0	Shock Absorber Upper Lid 07/2010
Chassis, Guards & Bumpers			
090100A0	Chassis 532-540	051103A0	Shock Absorber Spring Adjustment Wheel (SPORT) 07/10
090200P0	Chassis Side Guard L/R Set	051202P0	Shock Spring Table 07/2010
090300P0	Front Bumper	051300A0	Shock Absorber Fork Alloy
090400P0	Gear Guard	051402P0	Shock Absorber Piston 07/2010
090500P0	Side Guard Lexan Monster (PulStart Left)	051502P0	Shock Absorber Inner Lid 07/2010
090600P0	Side Guard Lexan Monster (Gear Right)	051602A0	Shock Absorber Lower Lid Alloy 07/2010
Other, Towers, Holders & Plates			
100100P0	Front Shock Tower Inner Outer Set	052102R0	Shock Absorber Air Cell Rubber 07/2010
100200P0	Rear Shock Tower Inner Outer Set	052103S0	Shock Absorber Air Cell Washer Ø15XØ22X0.5mm 07/10
100300A0	Tower Shock Mounting Posts Set	052300R0	Shock Absorber Oil Seal Q5-11-5 07/2010
100400P0	Steering Upper Deck Plate	Roll Bars	
100500P0	Servo Mount Plate	110100X0	Roll Cage Set Complete
100600P0	Standard Size Servo Adapters	110200P0	Roll Cage U Plastic
100700P0	Brake Upper Deck Plate	110300P0	Roll Cage Front Pipes
100800P0	Fuel Tank Holders	110400P0	Roll Cage Rear Pipes
100900P0	Fuel Tank Upper Deck Plate	110500P0	Roll Cage Central Brace
101000P0	Fuel Tank.	110600P0	Roll Cage Pipe - Tower Joints
101100P0	Fuel Tank Lid.	Bearings	
101200P0	Fuel Tank I/O Holder Rubber + Hose Set	120100S0	Ball Bearing 687 7x14x5
101300P0	Radio / Battery Box	120200S0	Ball Bearing 688 8x16x5
101301P0	RX Antenna Stick	120300S0	Ball Bearing 6800 10x19x5
101400P0	Race Runner Body Holder Set	120400S0	Ball Bearing 6900 10x22x6
101500P0	Monster Truck Body Holder Set	120500S0	Ball Bearing 608 8x22x7
101600P0	Servo Plate / Chassis Spacer For Monsters	120600S0	Ball Bearing 6901 12x24x6
101700P0	Cheetah Body Holder Set	120700S0	Ball Bearing 6000 10x26x8
Product Code	Product Name	120800S0	Ball Bearing 6903 17x30x7
Screws, Nuts & Washers			
150100S0	ISB3x20 Hex Socket Head Type Screw M3x20	120900S0	Ball Bearing 6804 20x32x7
150200S0	ISB3x25 Hex Socket Head Type Screw M3x25	121000S0	Bearing Adjustment Shims Complete Set
150300S0	ISB3x30 Hex Socket Head Type Screw M3x30	BodyShells, Decals & Wings	
150400S0	ISB4x12 Hex Socket Head Type Screw M4x12	130100P0	Race Runner V4 Body Shell
150500S0	ISB4x25 Hex Socket Head Type Screw M4x25	130200P0	Race Runner V4 Decal Set
150600S0	ISB4x30 Hex Socket Head Type Screw M4x30	130300P0	V4 Rear Wing
150700S0	ISB4x35 Hex Socket Head Type Screw M4x35	130400P0	V4 Wing Mounts
150800S0	ISB4x70 Hex Socket Head Type Screw M4x70	130500P0	Monster Truck Body Shell.
150900S0	ISB5x16 Hex Socket Head Type Screw M5x16	130600P0	Monster Truck Decal Set
151000S0	ISB6x30 Hex Socket Head Type Screw M6x30	130700P0	Monster Truck Body Shell Roll Cage
151100S0	BBI4x12 Round Head Hex type Screw 4x12	130800S0	Body Mount Clips
151200S0	BBI4x20 Round Head Hex type Screw 4x25	130900P0	Cheetah V4 Body Shell
151300S0	BBI6x20 Round Head Hex type Screw 6x20	131000P0	Cheetah V4 Decal Set
151400S0	IHB4x12 Countersink head type Hex Socket Screw M4x12	Accessories	
151500S0	IHB4x16 Countersink head type Hex Socket Screw M4x16	140100X0	Off- Road Air Filter Complete
151600S0	IHB4x20 Countersink head type Hex Socket Screw M4x20	140200R0	Off-Road Air filter Hose
151700S0	IHB5x16 Countersink head type Hex Socket Screw M5x16	140300P0	Off-Road Air Filter Foam Standard
151800S0	IHB5x30 Countersink head type Hex Socket Screw M5x30	140400P0	Off-Road Air Filter Foam Race
151900S0	YHB4x55 Countersink head type Cross Socket Screw M4x55	140500P0	Air Filter Easy Clamp
152000S0	YHB4x13 Countersink head Cross Self Tap V4x13	140600P0	Shock Absorber Silicon Oil 1000 (50ml)
152100S0	YHB4x20 Countersink head Cross Self Tap V4x20	140700P0	Shock Absorber Silicon Oil 1500 (50ml)
152200S0	YHB4x25 Countersink head Cross Self Tap V4x25	140800P0	Shock Absorber Silicon Oil 2000 (50ml)
152300S0	YHB4x50 Countersink head Cross Self Tap V4x50	140900P0	Shock Absorber Silicon Oil 2500 (50ml)
152400S0	RYSB4x13 Socket Cross head Self Tap V4x13	141000P0	Shock Absorber Silicon Oil 3000 (50ml)
152500S0	YSB4x13 Socket Cross head Self Tap V4x13	Screws, Nuts & Washers	
152600S0	YSB3x7 Socket Cross head Self Tap V3x7	153600S0	SKM4 Self Lock Hex Nut M4
152700S0	YSB3x9 Socket Cross head Self Tap V3x9	153700S0	SKM5 Self Lock Hex Nut M5
152800S0	YSB3x13 Socket Cross head Self Tap V3x13	153800S0	SKM6 Self Lock Hex Nut M6
152900S0	YSB3x19 Socket Cross head Self Tap V3x19	153900S0	PM4 Plain Washer 4mm
153000S0	SET3X4 Hex Socket Set Screw M3x4	154000S0	PM5 Plain Washer 5mm
153001S0	SET4X4 Hex Socket Set Screw M4x4	154100S0	PM6 Plain Washer 6mm
153002S0	SET4X5 Hex Socket Set Screw M4x5	154200S0	Countersink Alloy Washer 4mm
153100S0	SET4X20 Hex Socket Set Screw M4x20	154300S0	Countersink Plastic Washer 4mm
153200S0	SET4X35 Hex Socket Set Screw M4x35	154400S0	E-Ring Ø6mm (SPORT)
153300S0	SET6X6 Hex Socket Set Screw M6x6	154500S0	E - Ring Ø5mm (SPORT)
153400S0	SET6X20 Hex Socket Set Screw M6x20		
153500S0	SKM3 Self Lock Hex Nut M3		