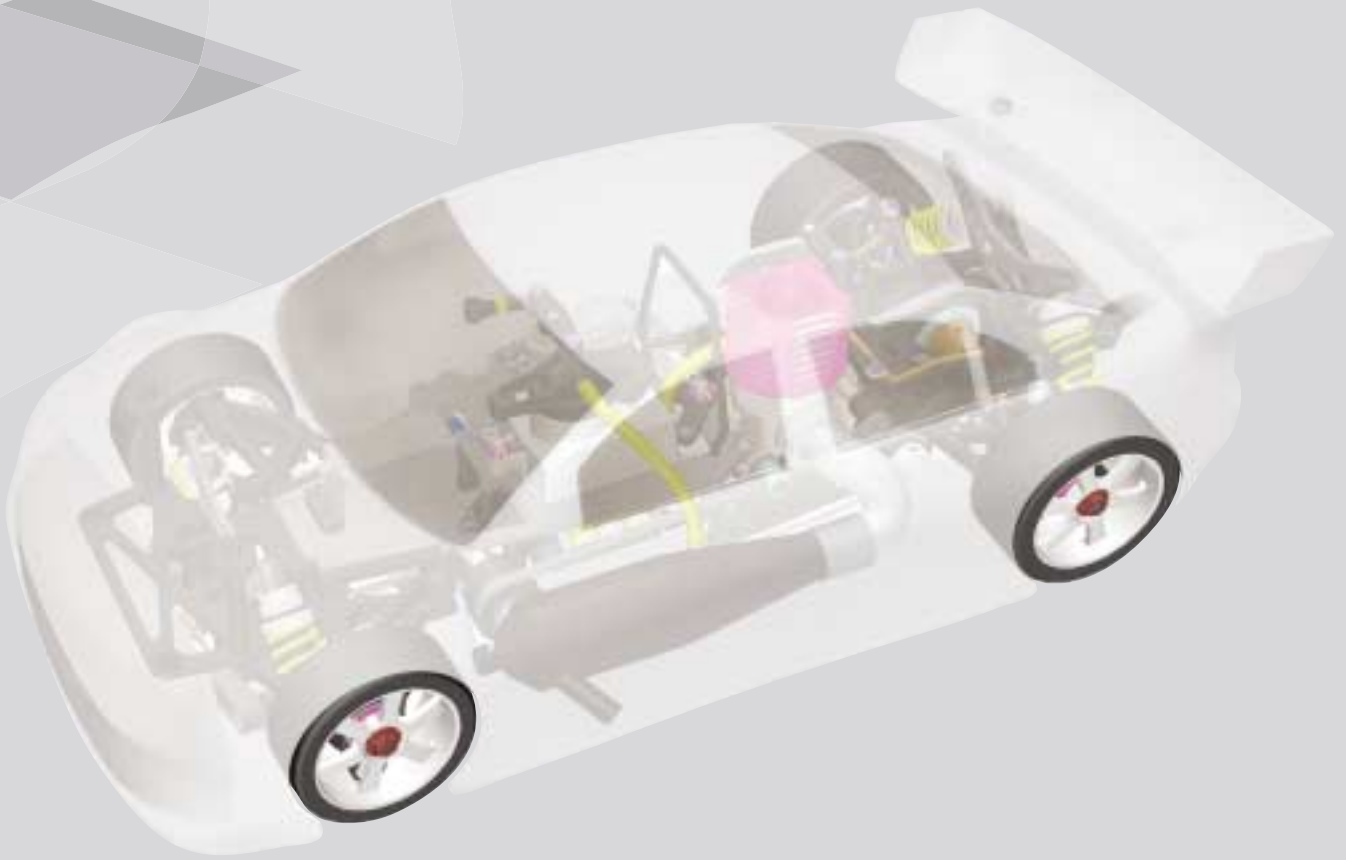


SERPENT 705

1:10 SCALE 200mm 4WD GAS ON-ROAD



Reference Guide

SERPENT 705

Introduction

Parts list and Exploded views

The parts list and the exploded views for the Serpent 705 are separate from the Instruction manual. The exploded views show all the parts for a particular assembly step, together with the Serpent part number. In the parts list at the back of this booklet you will find with the part number the name of the part. Besides all the Serpent 705 parts as used in this car kit, you will also find in the part list all the optional parts for the Serpent 705, as well as a listing of general items like fasteners and promotional items.

Serpent will regularly update the Serpent 705 parts list and will make it available on the Serpent 705 product page on myTSN, check under 'Downloads'. This product page can be accessed directly at the following address:

www.myTSN.com/Serpent705

Make sure to check out the Serpent 705 product page on myTSN frequently. All information about your car can be found here: publications, news items, set-ups, FAQ's, images, downloads, video's and interesting forums in several languages. MyTSN provides you with an enormous amount of interesting and often valuable information about the Serpent 705, information provided by Serpent, its factory and team drivers, and experienced users from around the world. Often this information is even available in several languages! If you're not a member of myTSN.com yet, sign up today and experience why Serpent excels not only on the track, but also on the Internet.

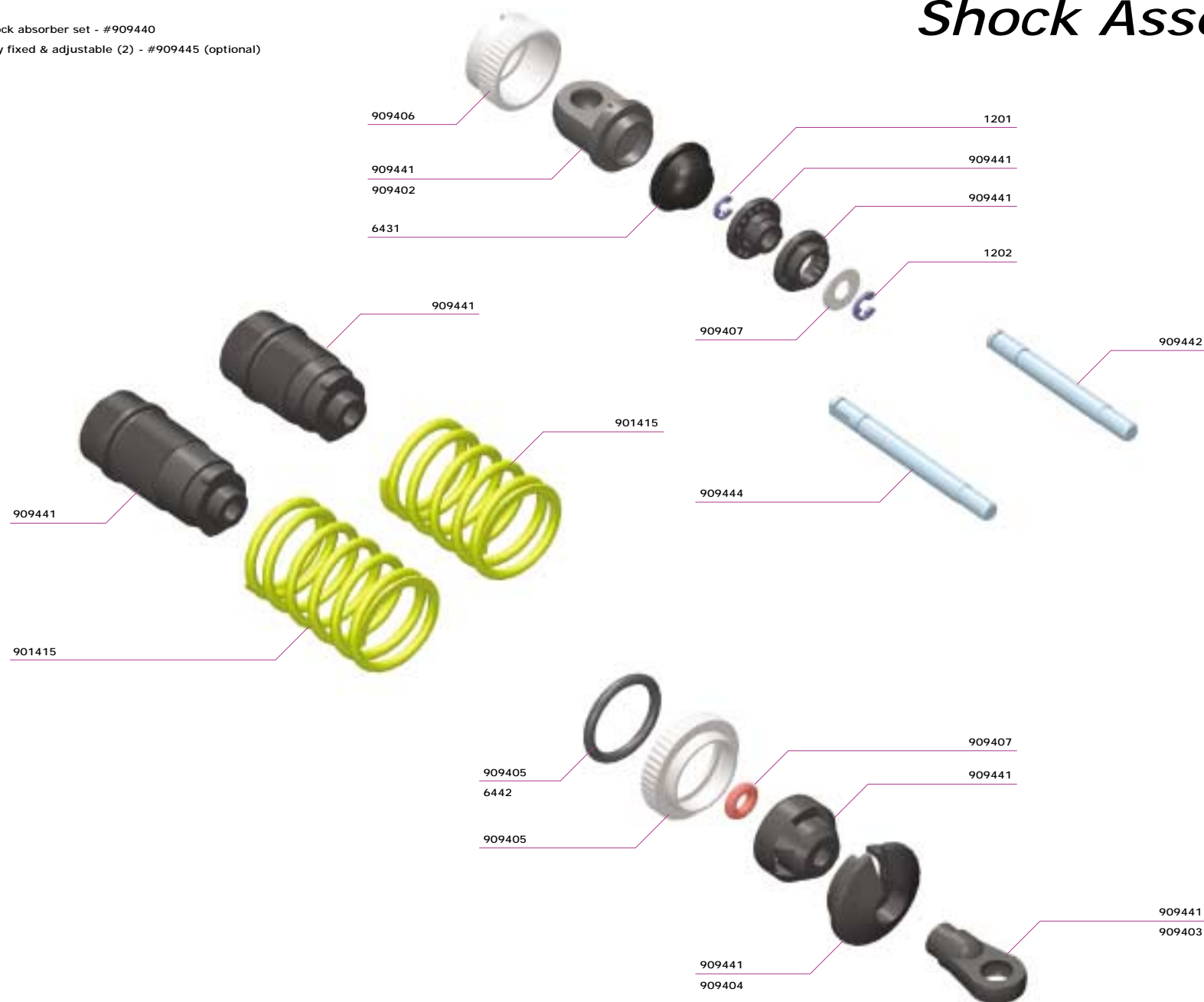
Contents

	<i>Description</i>	<i>Page</i>
1.	Shock Assembly	3
2.	Front Assembly	4
3.	Rear Assembly / Differential Assembly	5
4.	Radio Plate Assembly	6
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PERFORMANCE THROUGH EVOLUTION

Complete Shock absorber set - #909440
 Piston set key fixed & adjustable (2) - #909445 (optional)

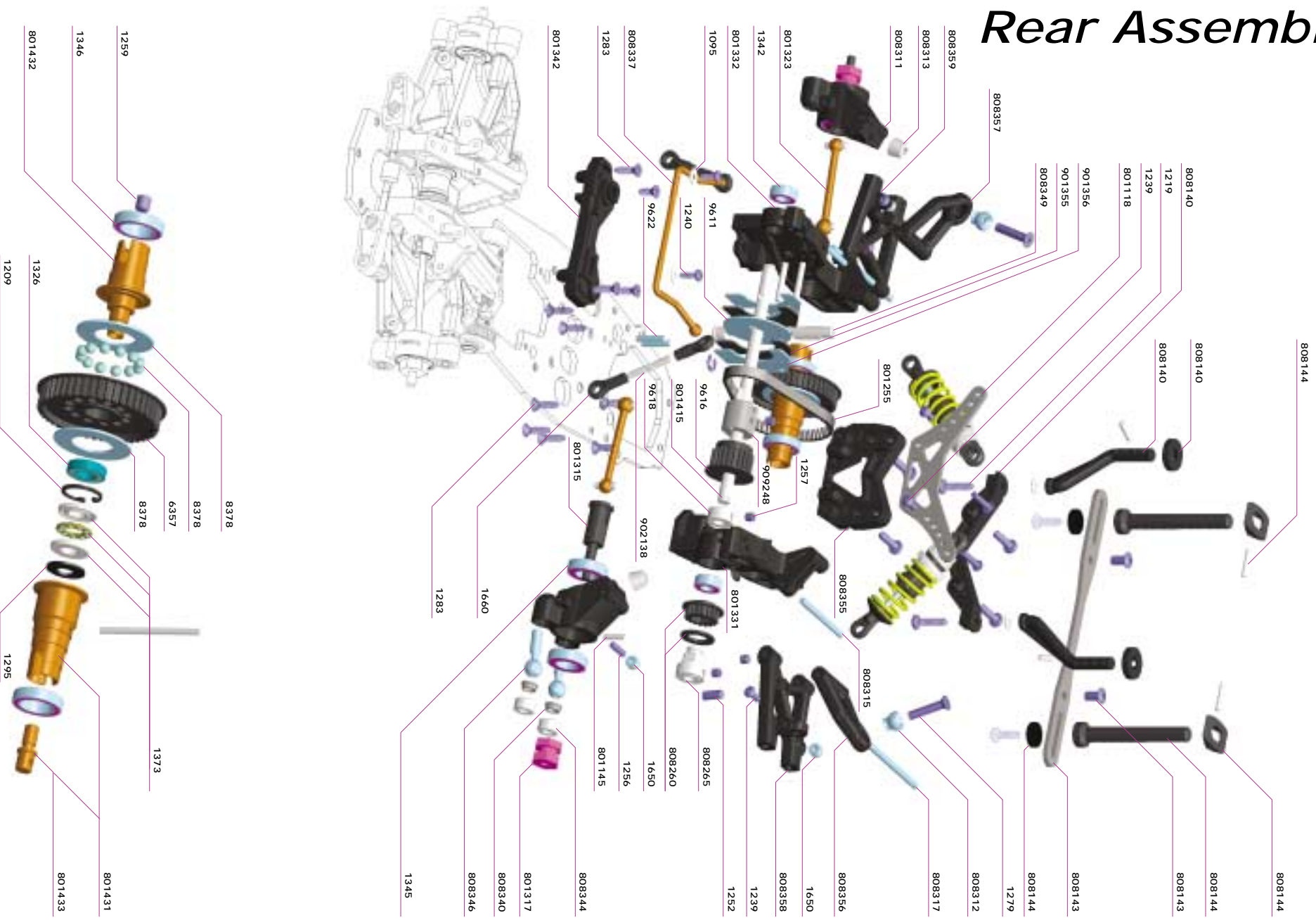
Shock Assembly



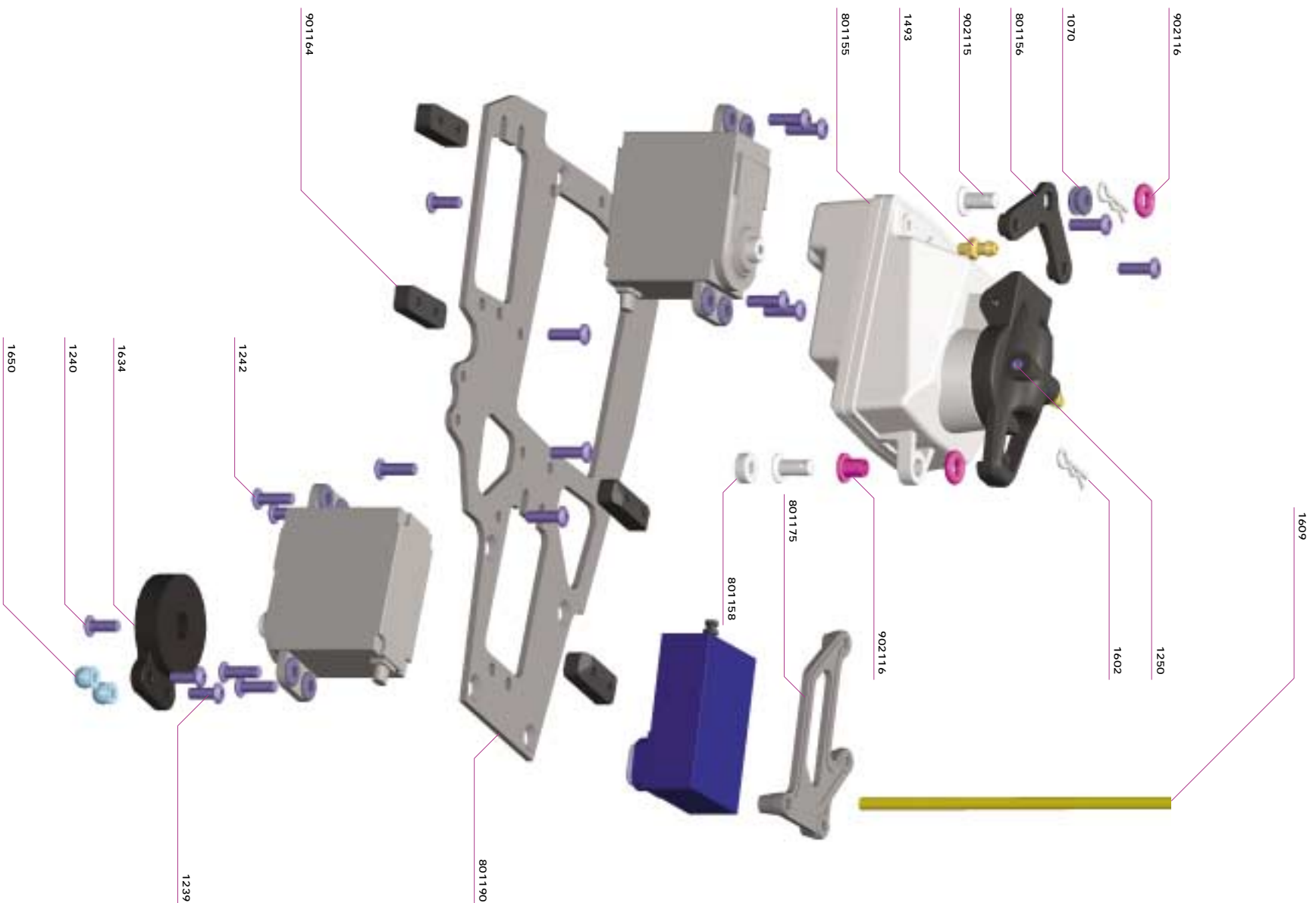
This exploded view diagram illustrates the assembly of a mechanical device, likely a robotic gripper or a similar precision instrument. The components are color-coded: black for structural frames and levers, white for the main base plate, and various shades of blue and purple for smaller connectors, pins, and fasteners. The assembly is shown in a disassembled state to identify individual parts and their relative positions. The parts are numbered as follows:

- 801211
- 1252
- 808204
- 808210
- 808206
- 808202
- 801245
- 1242
- 1258
- 1207
- 808225
- 1257
- 808265
- 808360
- 808250
- 1205
- 808229
- 1065
- 909216
- 1283
- 1207
- 808265
- 808261
- 1207
- 1342
- 902252
- 801242
- 1346
- 801243
- 909217
- 808212
- 801215
- 1345
- 801210
- 1239
- 801185
- 808214
- 808201
- 1258
- 808203
- 808205
- 1256
- 1650
- 808340
- 801218
- 808344
- 801145
- 808346

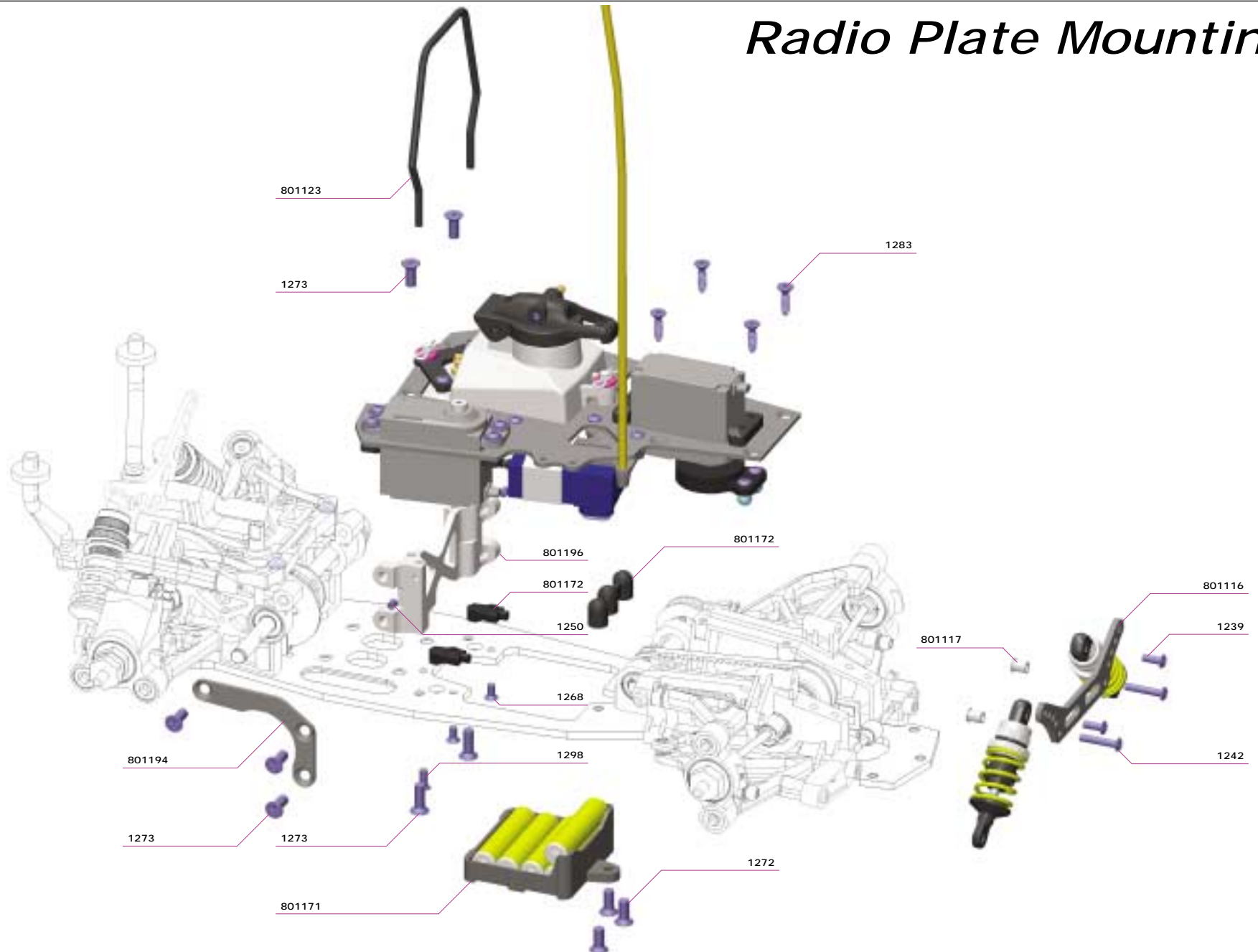
Rear Assembly



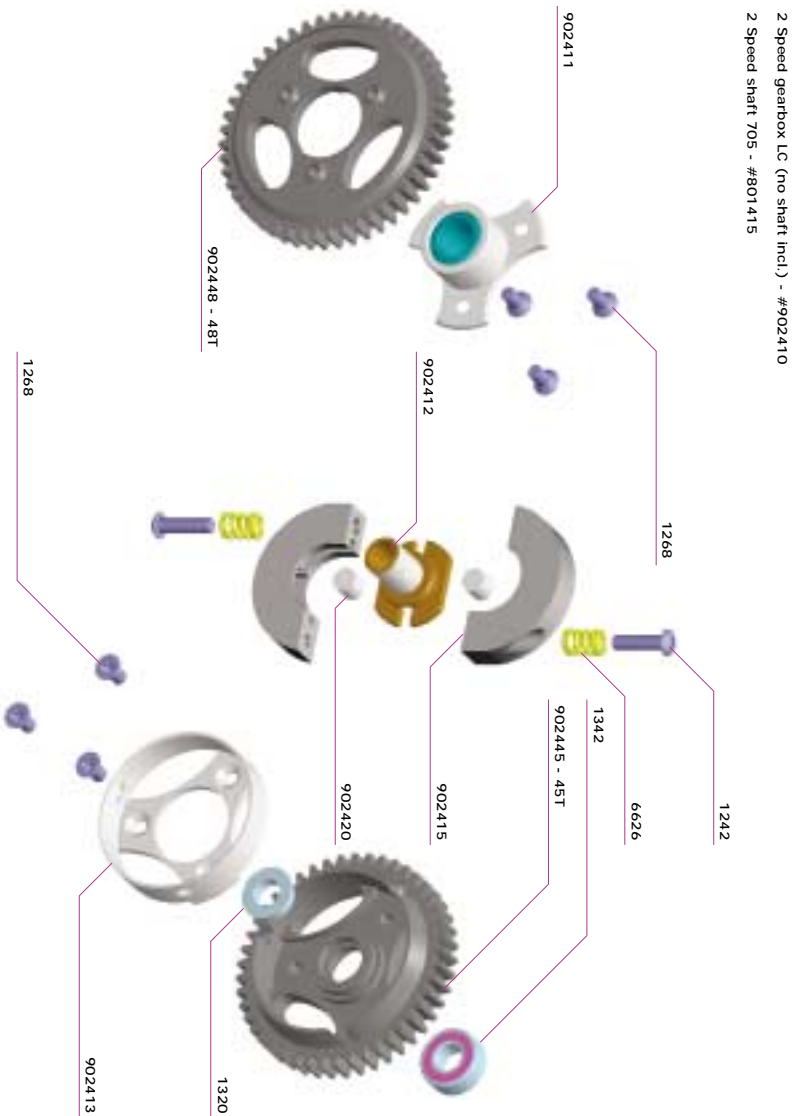
Radio Plate Assembly



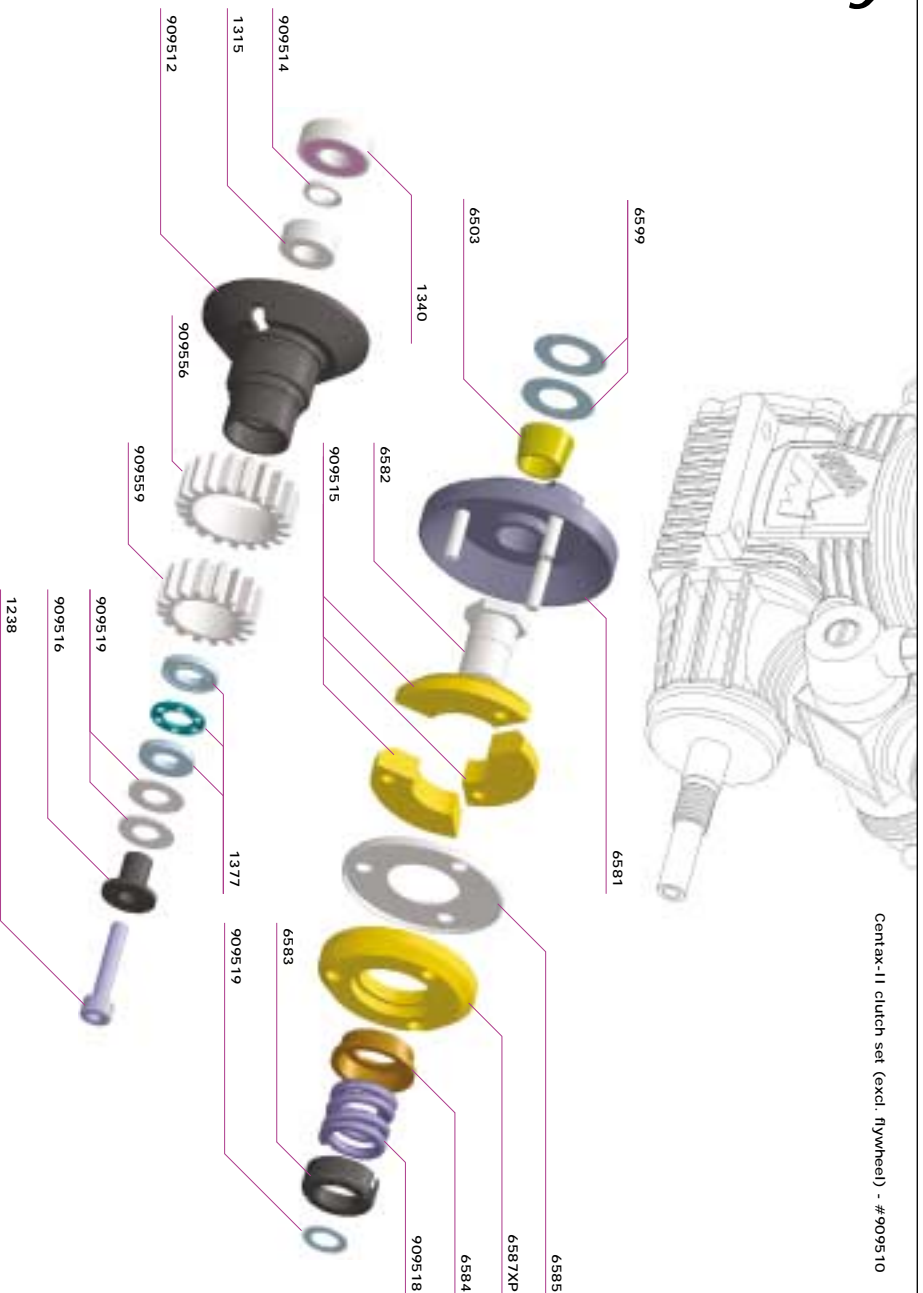
Radio Plate Mounting



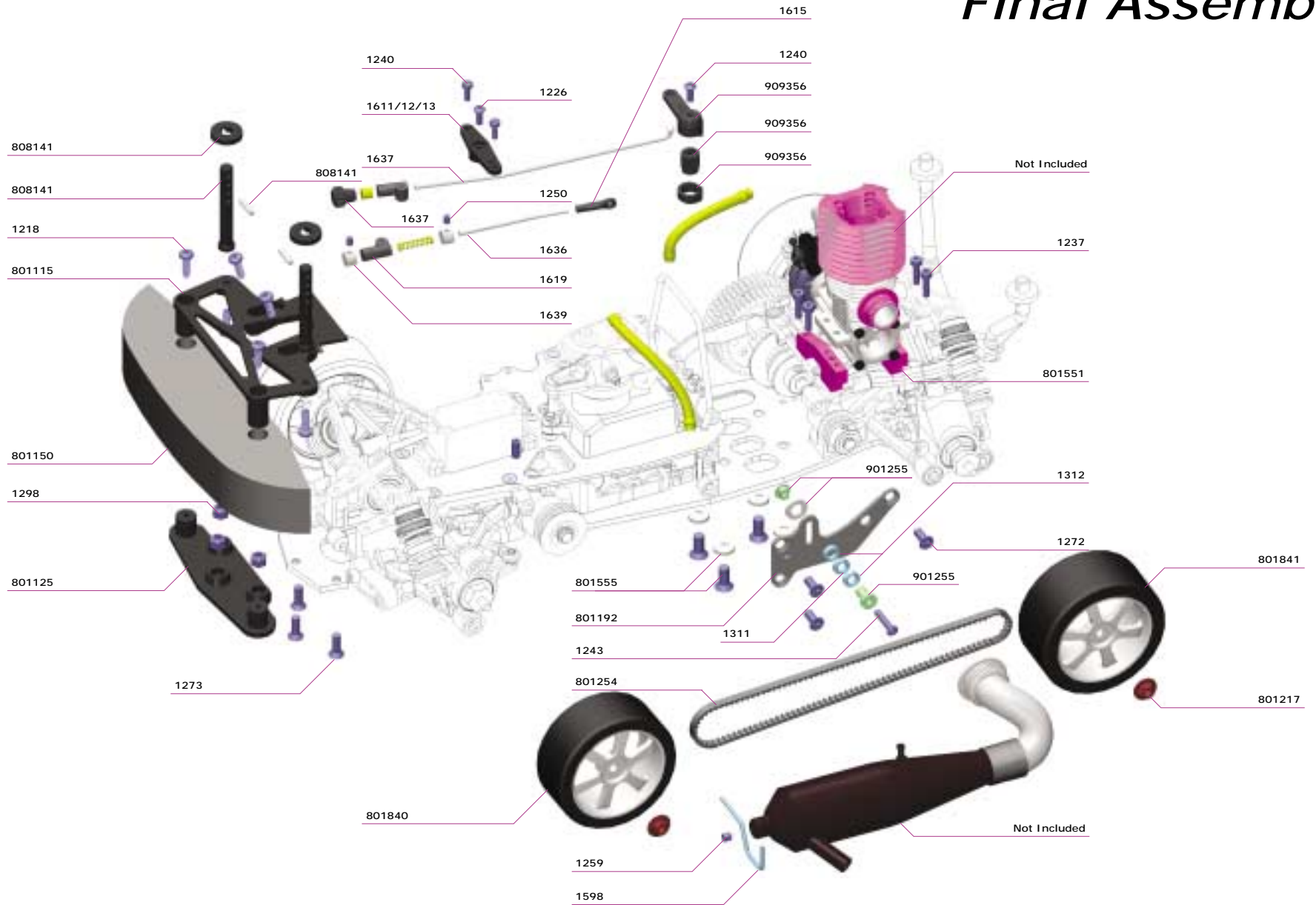
Gearbox Assembly



Centax Assembly



Final Assembly



Parts List - Serpent 705

To ensure that you have the most up to date parts list you can download the latest version from the internet by simply typing in the following URL and selecting the file from the 'downloads' section.

www.myTSN.com/Serpent705

ART No. DESCRIPTION

801040 SERPENT 705 4WD

Manuals & Decals

801920 Instructions & set-up 705
801921 Reference-guide 705
801922 Decal sheet black/white

Radio Installation

1611 Servo lever 23T
1612 Servo lever 25T
1613 Servo lever 24T
1634 Servo saver 1/10
1637 Brake linkage set
1636 Throttle linkage set
801160 Trackrod (2)
1646 Pivot ball 6mm M3 (4)
801171 Battery-case
801172 Battery-case connector
801175 Receiver holder
901164 Servo Mounting blocks

Fuel tank

801155 Fuel tank 75cc with AFL-cap
1431 Fuel tank foam seals /clip
1493 Pressure nipple (4)
902115 Mounting-pin tank + rubber cap (2)
902116 Cap rubber for mounting pin tank (2)
1602 Tank-clips small (10)
801156 Tank-bracket rear
801158 Spacer tank-mounting 3.1x8x3mm (2)
1070 Grommits rubber soft (4)

Ball Bearings

1312 Ballbearing 5X8X3 flanged
1342 Ball-bearing 6X13 HS Purple (2)
1343 Ball-bearing 10X19 HS Purple (2)
1344 Ball-bearing 12X18 HS Purple (2)

Shock Absorbers

909440 Shockabsorbers-set nylon key-4-step (2)
909441 Shock-parts nylon f+r key-type
909402 Pivot point top (2)
909403 Ball-joint short 6mm (4)
909404 Spring support washer (4)
909405 Shock-adj nut alu + o-rings (4)
909406 Shock-cap-nut alu. (2)
909442 Pistons rod FR key hardened (2)
909444 Pistons rod RR key hardened (2)
6431 Membranes (4)
909407 O-ring set + washers
901414 Spring-set L=30-22.7 white (4)
901415 Spring-set L=30-22.7 yellow (4)
901416 Spring-set L=30-22.7 red (4)
901417 Spring-set L=30-22.7 blue (4)

Serpent H-Q Shockabsorber oil

1670 Silicone oil 20W
1674 Silicone oil 25W
1671 Silicone oil 30W
1675 Silicone oil 35W
1672 Silicone oil 40W
1676 Silicone oil 45W
1673 Silicone oil 50W

Chassis & Radio plate

801185 Chassis 3mm alu. CNC-machined
801190 Radiotray carbon S-705

Bodymounts

801115 Bodymount plate front, IMPULSE
808140 Bodymount set rear fixed
808141 Body support long front (2)
808142 Body support long short (2)
808143 Bodymount-set rear carbon + 808144

Front Section

801116 Shocktower carbon front
801117 Front shocktower spacers
801125 Bumper plate front
801150 Bumper, foam
808201 Bearing block front left
808202 Bearing block front right
808203 Suspension arm front upper left
808204 Suspension arm front upper right
808205 Suspension arm front lower left
808206 Suspension arm front lower right
808340 Nylon cups 8.5mm
808344 Adjusting nuts M10 (4)
808346 Pivot balls 8.5mm (2)
808212 Pivot pin front lower (2)
808210 Pivot pin front upper (2)
801210 Steeringblock left
801211 Steeringblock right
808214 Spacer-set caster
801215 Wheelaxle front (2)
801218 Wheel-adaptor hex alu front (2)
801217 Wheelnut M4, flanged (4)
801220 Drive shaft front (2)
801245 Anti-roll bar front adjustable
909215 Anti-roll bar levers + exc.
909216 Anti-roll bar rod front male
909217 Anti-roll bar rod front female
801242 Axle front with Oneways and 24T pulley
808229 Pulley 24T/flange
1065 O-rings alu front axle (10)
801243 Adaptors front axle (2)

Middle Section

801196 Radioplate bracket aluminum
801123 Roll-over bar, S-705
801192 Chassis stiffener L carbon
801194 Chassis stiffener R carbon
808250 Bracket middle shaft
808225 Pulley/washer 16T middle shaft
808261 Pulley/washer 24T middle shaft
808360 Timingbelt 4mm front
801254 Timingbelt 4mm long (side)
902252 Middle shaft steel
808265 Pulley adaptor alu. (2)

Rear Section

801118 Shocktower carbon rear
801331 Bearing block rear left
801332 Bearing block rear right
808313 Spacer 7mm alu for upright (2)
808355 Rearplate
808356 Suspension arm rear upper left
808357 Suspension arm rear upper right
808358 Suspension arm rear lower left
808359 Suspension arm rear lower right
808315 Pivot pin rear upper (2)
808317 Pivot pin rear lower (2)
808311 Up-right (1)
808312 Pivot ball up-right 9mm (2)
808340 Ball-cup for pivot ball 8.5mm (8)
808344 Adjusting nut M10 (4)
808346 Pivot ball suspension 8.5mm
801315 Wheelaxle rear, IMPULSE (2)
801317 Wheeladaptor hex rear alu (2)
801323 Driveshaft rear, MM (2)
808337 Anti-roll bar rear 1.5mm
808338 Linkages rear anti-roll bar
1095 Shims nylon rear anti-roll bar (2)
801255 Belt 4mm rear

Brake-System

801342 Diskbrake bracket

808349 Brake-cam hard anodised
901356 Brake-plates steel (2)
9611 Steel brake disks (2)
901355 Brake pads black (4)
909356 Brake lever / spring
808260 Pulley/flange 18T
9616 Pulley 23T
909248 Pulley-brake adaptor alu
9618 Collar alu brake-pulley mk-2

2-Speed Gearbox

902410 2-speed gearbox LC (no shaft incl)
801415 2-speed axle 4WD 705-835
902415 2-speed clutch shoes set LC
902444 2-speed gear 44T (2ND) LC
902445 2-speed gear 45T (2ND) LC
902446 2-speed gear 46T (2ND) LC
902447 2-speed gear 47T (1ST) LC
902448 2-speed gear 48T (1ST) LC
902449 2-speed gear 49T (1ST) LC
902450 2-speed gear 50T (1ST) LC
6626 Springs / screws 2-speed
902411 Drive-flange alu with owb LC
902413 Clutch bell alu LC
902412 Adaptor 2-speed LC
902420 Needle steel 5X5 (2)

Differential

801430 Ball. Differential Adj (excl. Pulley)
801431 Diff. axle short + adj screw M5
801432 Diff. axle long
8378 Balls and steel washers
801433 Adjusting diff. Screw steel M5
6357 Diff pulley 46T
801255 Rear belt kevlar 6mm
1373 Thrust-bearing 6x14
1326 Ballbearing 7x14

Clutch System

909510 Centax II clutch-set (excl. Flywheel)
909512 Centax II clutch-housing universal
909555 Centax gear-pinion alu. 15T
909556 Centax gear-pinion alu. 16T
909557 Centax gear-pinion alu. 17T
909558 Centax gear-pinion alu. 18T
909559 Centax gear-pinion alu. 19T
909560 Centax gear-pinion alu. 20T
6503 Conus flywheel (3)
6582 Centax clutch-nut
6585 Centax thrust washer
6584 Centax spring cup
6583 Centax pre-load adjusting nut
909514 Centax II bearing spacer 5x7
909516 Centax II spacer thrustbearing
6581 Centax flywheel 35mm
909518 Centax II coil spring 1.8
909515 Centax II centrifugal shoes (3)
6587XP Centax clutch shoe XP
6599 Centax shim-set 7x13 (10)
1093 Centax 5x6.8 shim-set 0.1 (2) 0.3 (1)
1377 Centax II thrust-bearing 5x10

Engine Mounts

801551 Engine mount M12 (2)
801555 Engine mount screws/washers (4)
1599 Exhaust mounting wire

Wheels & Tires

801826 Rim 26mm/flange BBS yellow (2)
801827 Rim 26mm/flange BBS white (2)
801830 Rim 26mm slick 6SP yellow (2)
801831 Rim 26mm slick 6SP white (2)
801832 Rim 30mm slick 6SP yellow (2)
801833 Rim 30mm slick 6SP white (2)
110300 Tire rubber + inlays 26mm (2)
801840 Rim + foam tire 26mm 40 shore (2)
801841 Rim + foam tire 30mm 35 shore (2)

Bodies and wings

170001	Body Alfa 156 200mm
170003	Body Subaru impreza 556 200mm
170004	Body Opel Vectra 200mm
170008	Body BMW M3 200mm
170009	Body Mitsubishi Lancer 200mm
170011	Body Pick-up truck 200mm
170012	Body Dodge Viper 200mm
170015	Body Lola 1/10 200mm
170014	Body Merc CLK DTM 1/10 200mm
170016	Body GTP 200mm
170100	Wing-set rear 1/10 200mm
170102	Guerny strip + nylon mounts 180mm

Optionals

1070	Grommits rubber soft (4)
1360	Ballbearing 6x13 PHQ (2)
1361	Ballbearing 10x19 PHQ (2)
1494	Silicone tubing 2x5x50 white
1495	Silicone tubing 2x5x50 yellow
1496	Silicone tubing 2x5x50 orange
1497	Silicone tubing 2x5x50 green
1498	Silicone tubing 2x5x50 pink
1604	Antenna tubes pink with tip (2)
1605	Antenna tubes green with tip (2)
1606	Antenna tubes black with tip (2)
1607	Antenna tubes blue with tip (2)
1608	Antenna tubes orange with tip (2)
1609	Antenna tubes purple with tip (2)
1648	Shock-balls 6mm / setscrews (4)
1666	Transponderholder carbon star
1680	One-way lube bearing oil
1690	Cleaning gum
6361	Belt 6mm rear
801157	Tank-bracket rear carbon
901164	Servo Mounting blocks
801212	Steeringblock left FC
801213	Steeringblock right FC
801219	Pivotball 8.5mm short (4)
801214	Wheelaxle front Pro (2)
801221	Driveshaft front Pro (2)
801240	Front axle alu + 24T pully
801252	Pulley/flange 17T
801314	Wheelaxle rear Pro (2)
801321	Driveshaft rear Pro (2)
801393	Diff adaptor Pro (2)
808144	Bodymount universal
808251	Middle bracket alu purple
808347	Pivot-ball 8.5mm alu coated (8)
808361	Belt 5mm front
808376	Diff Pulley 47T
909218	Anti-roll bar levers alu front L+R
909242	Pulley 22T
909410	Shock-housing alu PTFE coated front (2)
909411	Shock-housing alu PTFE coated rear (2)
909445	Piston set key fixed & adjustable (2)
909575	Centax gear-pinion steel 15T
909576	Centax gear-pinion steel 16T
909577	Centax gear-pinion steel 17T
909578	Centax gear-pinion steel 18T
909579	Centax gear-pinion steel 19T
909580	Centax gear-pinion steel 20T

Optional Gear-Differentials

801370	Gear differential front
801371	Gear differential rear
801375	Geardiff. Housing rear 46T
801376	Geardiff. Housing front 24T / washer
801385	Geardiff. Axle rear L / R (2)
801386	Geardiff. Axle front left
801387	Geardiff. Axle front right
801380	Geardiff. Planetary gear (4)
801388	Geardiff. Driveshaft adapter (2)
801390	Geardiff. Bushing 5x7x5 + 5x7x10

801389	Shim 5x10x0.5 (8)
801381	Geardiff. Planetary gear alu (4)

Tools

1016	Torx tool
1460	Camber gauge
909590	Gear pinion wrench
909592	Centax clutch housing gripper
902310	Mounting-tool pivotball

Accessories

1400G	Powerstart starterbox grey
1426	Positioning support IMPULSE
1395	Glowdriver with battery & charge cable
1396	Glowtronic: electronic
1429	Cable-set 12V for Powerstart

Fastening Material

1650	Balls 6mm /setscrews hex (4)
1660	Ball-joints 6mm (20)
1201	E-clip 1,9 (10) R1
1202	E-clip 2,3 (10) R2
1203	E-clip 3,2 (10) R3
1204	E-clip 4.0 (10) R4
1205	E-clip 5.0 (10) R5
1207	E-clip 7.0 (10) R7
1208	Cir-clip 10X1 (10) T10
1209	G-clip 14X1 (10) S14
1212	Screw RH PH 2.9X9.5 (10) A5
1213	Screw RH PH 2.9X13 (10) A6
1214	Screw RH PH 2.9X16 (10) A7
1215	Screw RH PH 2.9X19 (10) A8
1216	Screw RH PH 2.9X25 (10) A10
1217	Screw RH PH 3.5X9.5 (10) A12
1218	Screw RH PH 3.5X13 (10) A13
1219	Screw RH PH 3.5X16 (10) A14
1220	Screw RH PH 3.5X19 (10) A15
1225	Screw RH M2X6 (10) C2
1226	Screw RH M2X6 (10) C5
1227	Screw RH PH M3X8 (10) D11
1228	Screw RH PH M3X12 (10) D13
1235	Screw CH allen M3X6 (10) F10
1236	Screw CH allen M3X10 (10) F12
1237	Screw CH allen M3X12 (10) F13
1239	Screw RH allen M3X8 (10) E11
1240	Screw RH allen M3X8 (10) E11
1241	Screw RH allen M3X12 (10) E12
1242	Screw RH allen M3X14 (10) E13
1243	Screw RH allen M3X16 (10) E14
1244	Screw RH allen M4X6 (10) E17
1245	Screw RH allen M4X8 (10) E18
1246	Screw RH allen M4X16 (10) E21
1250	GrubscREW M3X4 (10) J9
1251	GrubscREW M3X6 (10) J10
1252	GrubscREW M4X10 (10) J19
1255	GrubscREW M3X10 (10) H12
1256	GrubscREW M3X12 (10) H13
1257	GrubscREW M4X4 (10) H16
1258	GrubscREW M4X6 (10) H17
1259	GrubscREW M5X5 (10) H24
1260	GrubscREW M5X6 (10) H25
1261	GrubscREW M4X10 (10) H17
1269	Screw CSH PH M3X16 (10) G14
1270	Screw CSH PH M3X8 (10) G11
1271	Screw CSH PH M4X8 (10) G18
1272	Screw CSH PH M4X10 (10) G19
1273	Screw CSH PH M4X12 (10) G20
1274	Screw CSH PH M4X16 (10) G21
1275	Screw CSH PH M5X12 (10) G27
1278	Screw CSH ALLEN M4X20 (10)
1279	Screw CSH ALLEN M4X25 (10)
1280	Screw CSH PH 2,2X6,5 (10) B2
1281	Screw CSH PH 2,9X9,5 (10) B5
1282	Screw CSH PH 3,5X9,5 (10) B12

1283	Screw CSH PH 3,5X13 (10) B13
1284	Screw CSH PH 3,5X16 (10) B14
1285	Screw CSH PH 4,2X13 (10) B20
1290	Washer 3.2X7 (10) N3
1291	Washer 2.5X6 (10) N4
1292	Spring washer 6,2X14X0,9
1293	Spring washer 7,2X14X0,8
1295	Lock washer 3.2x8 (10) o3
1297	Nut nylock M3 (10) L3
1298	Nut nylock M4 (10) L4

Merchandising

1997	NovaMega cap black Deluxe
1990	Serpent cap grey Deluxe
1858	Serpent track banner nylon 140x80cm
1859	Serpent circuit track decal 140x80cm
1980	Kit-bag Serpent black-grey
	Serpent T-shirt (check website)
	Serpent sweater (check website)
	Serpent fleece (check website)
	Serpent jackets (check website)

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www.myTSN.com/Serpent705

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#801921 - Version 1