



112-GT12

(112-GT12)

Build Guide

(25.05.30.02)

WARNING! DO NOT leave this kit, assembled or unassembled, in a hot motor vehicle or any other high temperature environment. This kit is 3D printed and high temperatures will harm or destroy the components.

CONTENTS:

PARTS

- ☐ 112-31B Chassis
- ☐ 112-35 Electronics Tray
- ☐ 112-37 Battery Twistee (2)
- ☐ 112-40 Damper Mount
- ☐ 112-41 Bumper Keeper
- ☐ 112-42 Fan Guard
- ☐ 112-43 Center Post
- ☐ 112-44 GT Body Post Sleeve Set
- ☐ 112-45 Body Post Sleeve Cap (TPU) (4)
- ☐ 112-46-30 Center Link
- ☐ 112-47 Side Spindle (2)
- ☐ 112-48 Side Link (2)
- ☐ 112-51 Servo Keeper YE-0030
- ☐ 112-102 BDGT12-AS1 Bumper (TPU)
- ☐ 112-210B Front End Kit
- ☐ 112-280B Rear Spool Kit
- ☐ 112-310 Side Damper Kit
- ☐ 112-330A Pod Kit
- ☐ 112-340A Side Arm Kit

HARDWARE

M3 Button Head Screws (BH)

- ☐ M3x6 BH (2)
- ☐ M3x8 BH (4)
- ☐ M3x10 BH (4)
- ☐ M3x16 BH (2)
- ☐ M3x20 BH (4)
- ☐ M3x25 BH (2)

M3 Flat Head Screws (FH)

- ☐ M3x8 FH (1)
- ☐ M3x10 FH (4)
- ☐ M3x12 FH (2)
- ☐ M3x16 FH (4)
- ☐ M3x25 FH (2)

M3 Washers, Nuts & Other

- ☐ M3 NyLoc (6)
- ☐ M3 FW (6)
- ☐ M3x5.5 TB (3)
- ☐ M3x5.5 BT (4)
- ☐ Body Clips (4)
- ☐ Small Zip-Tie (1)
- ☐ Zer0-Rings 1.5 (12)
- ☐ TRX 4214 Body Post Pair (2)

M4 Flat Head Screws

- ☐ M4x12 FH (4)

HARDWARE KEY

TB = Threaded Ball
BS = Ball Stud
BT = Ball Tube
BH = Button Head Screw
FH = Flat Head Screw
CH = Cap Head Screw
SS = Set Screw
TSO = Threaded Standoff
TS = Threaded Spacer
FW = Flat Washer
NyLoc = Nylon Locking Hex Nut

OTHER INFO

OPTIONAL PARTS (not included)

- Sanwa PGS Servo
- 112-52 Servo Keeper SANWA
- 112-320 Center Damper Kit
- 112v31C-46-00 Center Link Set

RECOMMENDED PARTS

- Kimbrough #201 Servo saver
- RW64P RW Racing 68T Spur Gear
- HobbyWing 1s ESC (30112751)
- HobbyWing 21.5 G4R Brushless Motor
- Yeah Racing YE-0030 Micro Servo
- BittyDesign Ares-1 GT12 Body
- Kyosho #96504 15k Diff. Gear Grease

TUNING OPTIONS & MORE

- 112-46 Center Link Set
- 112-320 Center Damper Kit
- 372503 Xray Servo Saver (required to use Sanwa servo)
- M3x5x4 TS (2) - adjust chassis sag

REQUIRED FOR COMPLETION: (not included)

- 1s LiPo Battery
- 540 21.5 BL Motor
- 1/12 Front Tires
- 1/12 Rear Tires
- 1/12 Body
- Pinion Gear
- Radio System
- ESC

****RCCA Special Edition DOES NOT include...***

- Servo
- Fan
- Servo Saver
- Spur Gear

****Standard Kits do include...**

- ☐ 112-800 Completion Kit
- ☐ 112-801 Yeah Racing YE-0030 Micro Servo
- ☐ 112-802 Yeah Racing Fan
- ☐ 112-803 Kimbrough #201 Servo saver
- ☐ Spur Gear
 - ☐ 112-805 AM664070 64P 70T Spur Gear
OR (depending on availability)
 - ☐ 112-804 RW Racing 64P 68T

ASSEMBLY ORDER

ASSEMBLY INSTRUCTIONS (found below)

- ☐ ***112-210B Front End Kit***
- ☐ ***112-280B Rear Spool Kit***
- ☐ ***112-310 Side Damper Kit***
- ☐ ***112-330A Pod Kit***
- ☐ ***112-340A Side Arm Kit***
- ☐ ***112 Chassis Assembly***

112-210B Front End Kit

CONTENTS:

PARTS

- ☐ 112-211 Front Arm Set (left and right)
 - ☐ (earlier kits come with 112-211-000)
 - ☐ (later kits come with 112-211-220)
- ☐ 112-212B Front Hub Set (left and right)
- ☐ 112-213 Front Droop Limiter Set (2 sets)
- ☐ 112-214 Front Rocker Set (2)
 - ☐ 112-214-01 Front Rocker
 - ☐ 112-214-02 Front Cradle
- ☐ 112-215 Front Axle Adaptor (2)
- ☐ 112-216-5640 Toe Link (2)
- ☐ 112-218 Front Ride Height Shim Set (2)

HARDWARE KEY

BH = Button Head Screw
FH = Flat Head Screw
CH = Cap Head Screw
NyLoc = Nylon Locking Hex Nut
FW = Flat Washer
TSO = Threaded Standoff
SB = Sleeve Bushing

HARDWARE

SCREWS

- ☐ M3x6 BH (2)
- ☐ M3x8 BH (2)
- ☐ M3x12 BH (2)
- ☐ M3x25 BH (2)
- ☐ M3x30 BH (2)
- ☐ M3x10 FH (2)
- ☐ M3x8 CH (1)

NUTS, WASHERS & OTHER

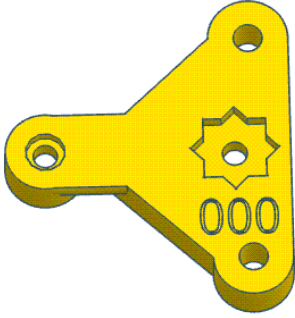
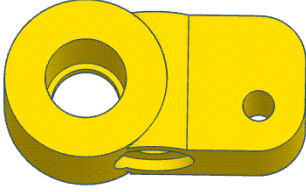
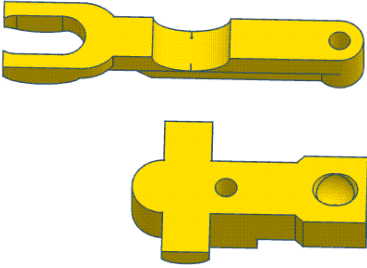
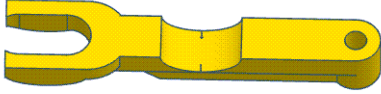
- ☐ M3 Nut (4)
- ☐ M3 Nyloc (2)
- ☐ M3x.5 FW (4)
- ☐ M3x20 TSO (2)
- ☐ M3x5.5 TB (2)
- ☐ 3/16 x 5/16 x 1/8 Flanged Bearing (4)

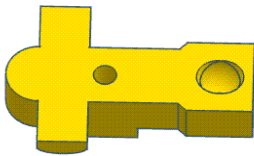
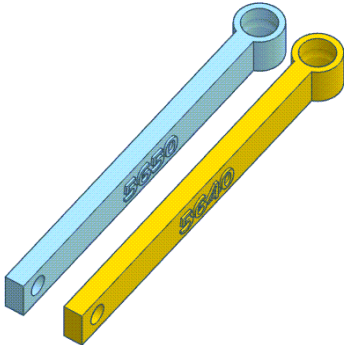
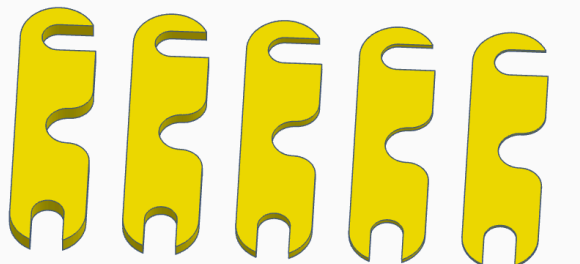
- ☐ M5x7x8 SB (2)
- ☐ Kimbrough #201 Servo Saver

WHERE / HOW USED

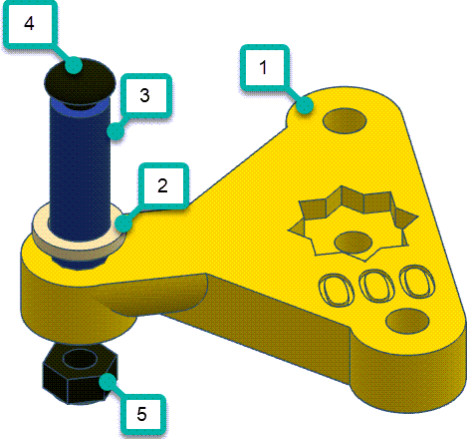
- ☐ M5x7x8 SB (2) - front hub
- ☐ 3/16 x 5/16 x 1/8 Flanged Bearing (4) - wheel bearings
- ☐ M3x25 BH (2) - front arm
- ☐ M3 Nut (2) - front arm
- ☐ M3x8 BH (2) - toe link to front hub
- ☐ M3x10 FH (2) cradle to arm
- ☐ M3x6 BH (2) - through servo saver into M3x5.5 BS (2)
- ☐ M3x8 CH (1) - servo saver to servo
- ☐ M3x30 BH (2) - axles
- ☐ M3x.5 FW (4) - axle width spacers
- ☐ M3 Nut (2) - axles to hubs
- ☐ M3 Nyloc (2) - axle to hold wheel on
- ☐ M3x5x20 TSO (2) - kingpin
- ☐ M3x12 BH (2) - adjustable pivot through rocker end

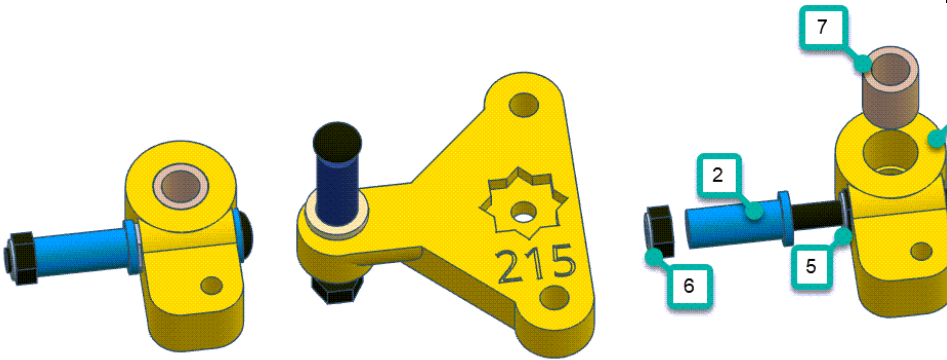
PARTS:

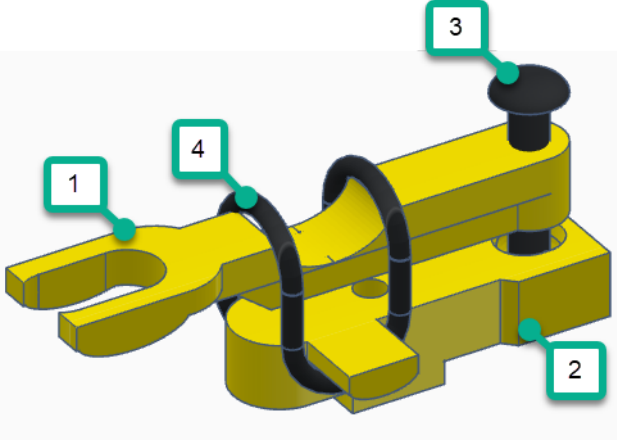
112-211 Front Arm	
112-212B Front Hub (B Style)	
112-213 Front Droop Limiter Set	
112-214 Front Rocker Set	
112-214-01 Front Rocker	

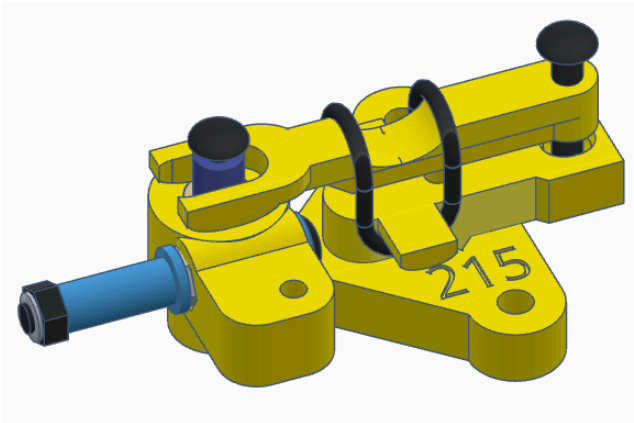
112-214-02 Front Cradle	
112-215 Front Axle Adaptor	
112-216-5650 Toe Link	
112-218 Front Ride Height Shim Set	

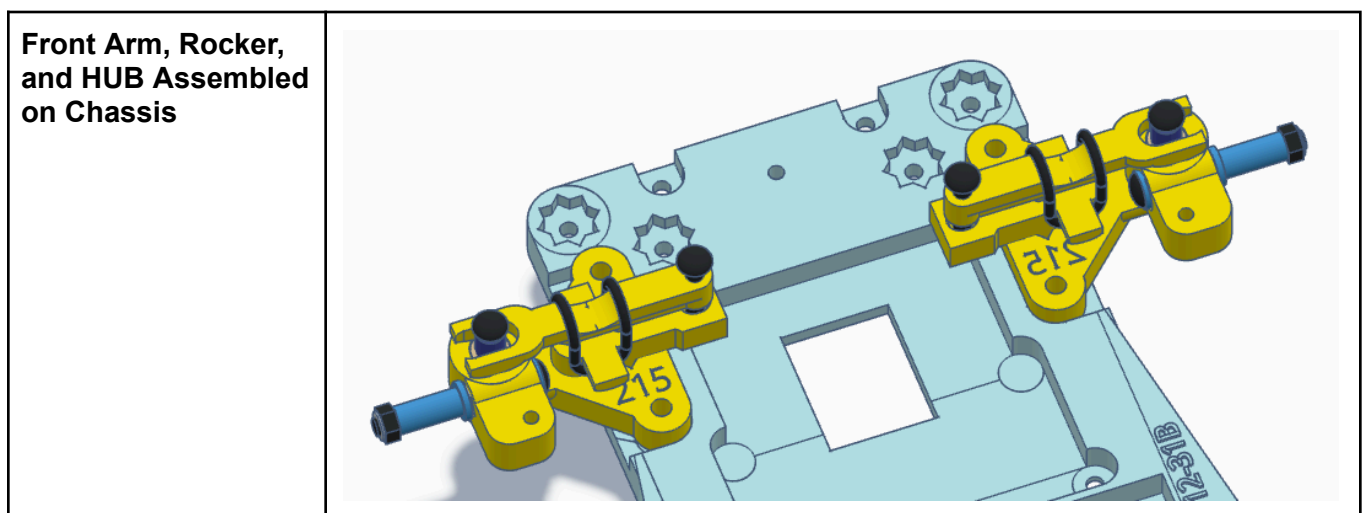
ASSEMBLY INSTRUCTIONS START HERE:

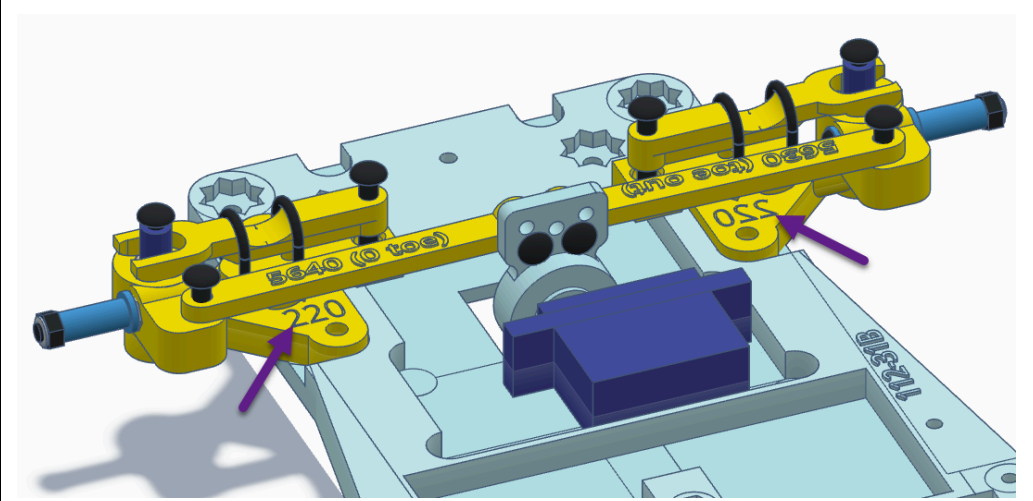
Front Arm & Kingpin	
PARTS	1) Front Arm 2) Front Droop Limiter Shim (if desired) 3) M3x5x20 TSO (kingpin) 4) M3x25 BH 5) M3 Nut
Assembly STEPS:	
1	☐ Thread Kingpin Screw (#4) through TSO into nut (#5) below arm ☐ (while the TSO is threaded all the way through, there will be resistance near the middle. Use aluminum jawed shock pliers or some other method to hold the TSO without scratching it while threading the M3x25 BH through)
2	☐ Add kingpin upper retainer screw in later steps below

B-Style Front Hub	
PARTS	1) Front Hub 2) Front Axle Adaptor 3) M3x.5 FW (Use 2, only 1 shown in photo) 4) M3x30 BH (axle) 5) M3 Nut 6) M3 NyLoc 7) 5x7x8 SB
Assembly STEPS:	
1	Press the 5x8x7 SB (#7) into front hub (#1) from top until flush
2	Assemble items #4, #3, #3, #1, #5 and tighten, use 2 washers (#3) whereas only 1 is shown
3	Thumb thread front axle adaptor #2 onto axle
4	Sparingly add diff gear grease to kingpin as dampening
5	Add desired droop limit spacer to kingpin. <i>It's recommended to start with NO limiter.</i>
6	Slide assembled hub onto kingpin
7	Add upper retainer screw to top of kingpin, do not over tighten
8	Repeat for right side

Front Rocker Arm	
PARTS	1) 112-214-01 Front Rocker 2) 112-214-02 Front Cradle 3) M3x12 BH 4) Zer0-Ring(s)
Assembly STEPS:	
1	Install M3x12 BH through rocker end, sets in pocket of cradle
2	Install Zer0-Ring(s) as seen in image (use 1 to 3 as needed for track tuning)
3	Repeat for second rocker assembly

Front Arm, Rocker, and Hub	
PARTS	1. Cradle & Rocker Assembly 2. Hub Assembly 3. Front Arm
Assembly STEPS:	
1	Insert cradle with rocker assembly into top of arm assembly
2	Fasten using a Flat Head screw (not shown) from bottom side up through arm into cradle
3	Repeat for right side



	
NOTES	1) Assembled Arms 2) Servo Saver 3) M4x12 FH (4) 4) M3x6 BH (2) 5) M3x5.5 TB (2)
Assembly STEPS:	
NOTES	6) Arrows show you that there is a LEFT and a RIGHT Arm Assembly. a) LEFT = number indicator "220" not mirrored b) RIGHT = number indicator "220" is mirrored
1	Use M4x12 FH to fasten arms to chassis (insert screws from bottom of chassis)
2	Use M3x6 BH through back of servo saver into M3x5.5 TB on front side of servo saver a. Do this using the lower set of holes on the servo saver. b. 2 times
3	Pop Toe Links onto the TBs
4	Fasten ends of Toe Links to Front Hubs using a M3x8 BH, DO NOT Tighten c. Leave a little looseness so the Toe Links can pivot for steering as needed

112-280B Rear Spool Kit

CONTENTS:

PARTS

- ☐ 112-281 Rear Axle
- ☐ 112-282 Rear Hub (2)
- ☐ 112-284 Spur Disk
- ☐ 112-285 Rear Shim (2)
- ☐ 112-287 Bearing Carrier Insert Set
 - ☐ 112-287-0 (2) centered
 - ☐ 112-287-1 (2) +/- 0.5 mm
 - ☐ 112-287-2 (2) +/- 1 mm
 - ☐ 112-287-3 (2) +/- 1.5 mm
 - ☐ 112-287-4 (2) +/- 2 mm
- ☐ ***NOTE:** 112-287-00 w 41mm Tires = 4.0 mm ride height

HARDWARE KEY

BH = Button Head Screw

HARDWARE

SCREWS

- ☐ M3x8 BH (9)
- ☐ M3x10 CHR (6)

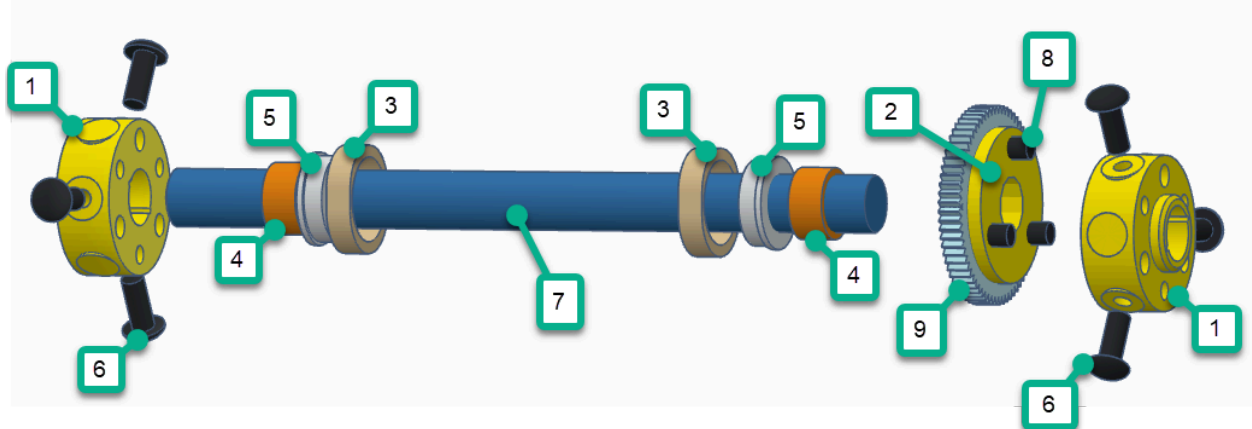
BEARINGS & OTHER

- ☐ 8x12x3.5mm Flanged Bearing (2)
- ☐ Spur Gear (1)

WHERE / HOW USED

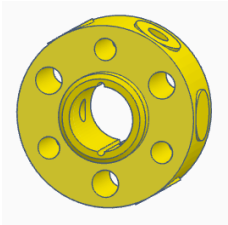
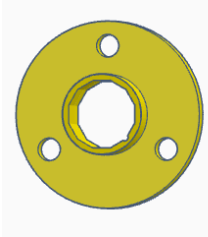
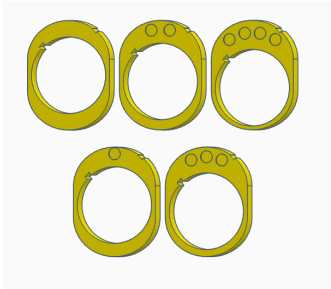
- ☐ M3x10 CHR (6) - wheels to rear hub
- ☐ M3x8 BH (3) - spur to spur disk
- ☐ M3x8 BH (6) - rear hubs to axle

Assembly:



1	Rear Hubs (2)
2	Spur Disk
3	Rear Carrier Insert (2)
4	Rear Shim - 5 mm (2)
5	Bearing (2)
6	M3x8 BH (6)
7	8 mm Carbon Fiber Axle
8	M3x8 BH (3)
9	Spur Gear
10	M3x10 CHR (6) - not shown... used for rear wheel mounting

PARTS:

112-281 Rear Axle	(no image)
112-282 Rear Hub (2)	
112-284 Spur Disk	
112-285-50 Rear Shim (2)	
112-287 Bearing Carrier Insert Set	

112-310 Side Damper Kit

CONTENTS:

PARTS

- ☐ 112-311 Plunger (2)
- ☐ 112-312 Cannon (2)

HARDWARE

- ☐ M3x8 SS (2)
- ☐ M3x16 SS (2)
- ☐ M3x25 TSO (2)
- ☐ M3x5.5 TB (4)

WHERE / HOW USED

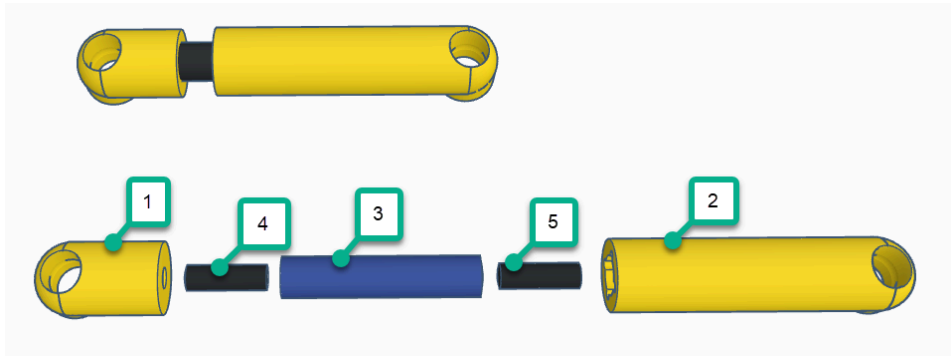
- ☐ M3x16 SS (2) - plungers to threaded standoff
- ☐ M3x8 SS (2) - end of threaded standoff as a plug
- ☐ M3x25 TSO (2) - plungers
- ☐ M3x5.5 TB (4) - plungers and cannons

HARDWARE KEY

SS = Set Screw

TB = Threaded Ball

TSO = Threaded Standoff

Side Damper	
PARTS	1) Plunger 2) Cannon 3) M3x25 TSO 4) M3x16 SS 5) M3x8 SS 6) M3x5.5 TB (not shown)
Assembly STEPS	
1	Thread set screw (#4) into plunger (#1) half way in
2	Thread threaded standoff (#3) onto set screw (#4) and tighten against plunger (#1)
3	Thread set screw (#5) into standoff (#3) until flush
4	Press a threaded ball into plunger (#1) and cannon (#2)
5	Apply your preferred grease (we recommend Kyosho #96504 15K diff. gear grease to start with)
6	into slots of cannon (#2) and around surface of threaded standoff (#3)
7	Slide the two halves together. Wipe off any excess grease.
8	Repeat steps 1-6 for second damper

112-330A Pod Kit

CONTENTS:

PARTS

- ☐ 112-332A Pod
- ☐ 112-333A Carrier End Cap (2)
- ☐ 112-334 Carrier Top Brace
- ☐ 112-337 Motor Shim Plate*** (aluminum)
- ☐ 112-338A Left Carrier Plate (aluminum)
- ☐ 112-339A Motor Plate (aluminum)

HARDWARE

SCREWS

- ☐ M3x10 BH (4)
- ☐ M3x12 BH (2)

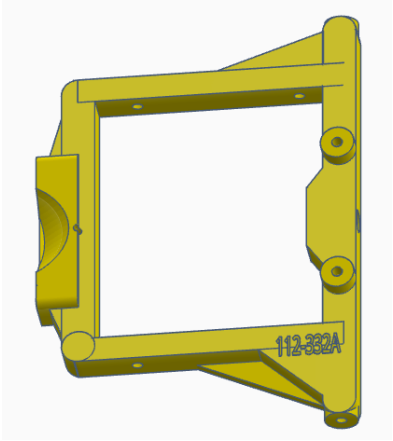
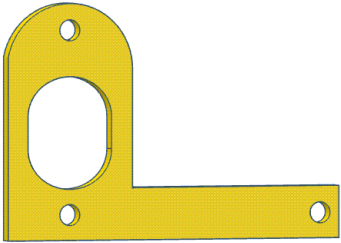
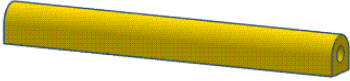
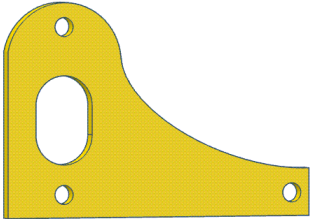
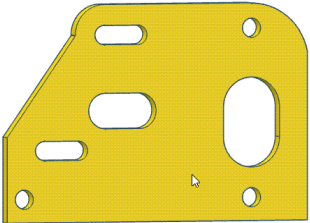
ASSEMBLY STEPS

- ☐ M3x10 BH (2) - motor plate & carrier end cap (lower holes) to pod
- ☐ M3x10 BH (2) - left carrier plate & carrier end cap (lower holes) to pod
- ☐ M3x12 BH (2) - carrier end caps & plates to carrier top brace (top)

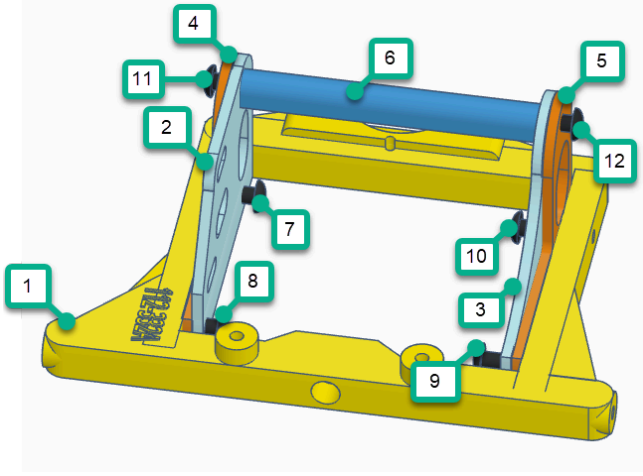
HARDWARE KEY

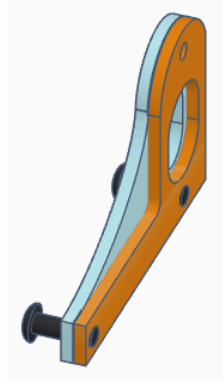
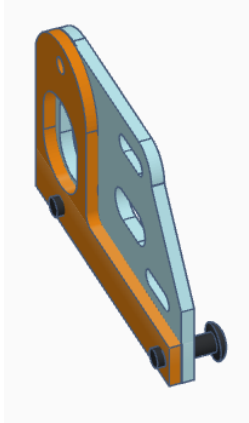
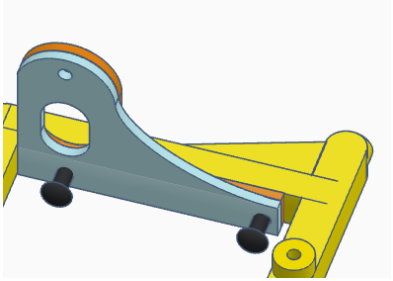
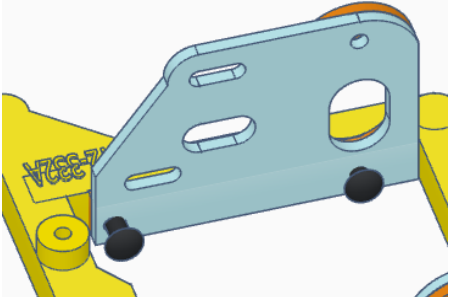
BH = Button Head Screw

Parts Images

<i>112-332A Pod</i>	
<i>112-333A Carrier End Plate</i>	
<i>112-334 Top Brace</i>	
<i>112-338A Left Carrier Plate</i>	
<i>112-339A Motor Plate</i>	

PARTS:

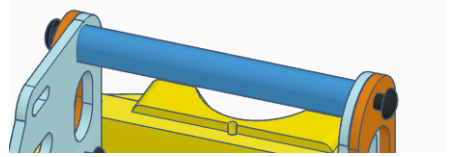
	
1	1) Pod
2	2) Motor Plate
3	3) Left Carrier Plate
4	4) Carrier End Cap
5	5) Carrier End Cap
6	6) Carrier Top Brace
7	7) M3 x 10 Button Head Screw
8	8) M3 x 10 Button Head Screw
9	9) M3 x 10 Button Head Screw
10	10) M3 x 10 Button Head Screw
11	11) M3 x 12 Button Head Screw
12	12) M3 x 12 Button Head Screw
13	13) Motor Shim Plate (not shown & not included) *** This is an optional part required for some motors that have an extruding shaft collar

“Novice” Assembly Instructions:	
STEP 1 Using 2 BH screws, assemble Left Carrier Plate to Carrier End Cap with screw threads barely protruding through Carrier End Cap	
STEP 2 Using 2 BH screws, assemble Motor Plate to Carrier End Cap with screw threads barely protruding through Carrier End Cap	
STEP 3 With the POD held securely down against a flat surface, using a ball-tip screwdriver, fasten the left plate and end cap to the pod. Tighten screws securely making sure not to twist the Pod.	
STEP 4 With the POD held securely down against a flat surface, using a ball-tip screwdriver, fasten the motor plate and end cap to the pod. Tighten screws securely making sure not to twist the Pod.	

STEP 5

Using 2 BH screws,
with the POD held securely down against a flat surface,
fasten the upper brace to the motor plate and end cap.
fasten the upper brace to the left plate and end cap.

Use 2 screwdrivers, one on each end to tighten screws
securely making sure not to twist the Pod.



“PRO” Assembly Instructions:

Assembly STEPS:

- 1) Loosely thread two (#7 & #8) BH through lower holes in (#2) motor plate and carrier end cap (#4) into holes in (#1) pod. We will tighten these completely later. Leave about .5 mm between screw head and aluminum plate.
- 2) Loosely thread two (#9 & #10) BH through lower holes in (#3) left carrier plate and carrier end cap (#5) into holes in (#1) pod. We will tighten this completely later. Leave about .5 mm between screw head and aluminum plate.
- 3) Loosely thread a (#11) BH through a (#4) carrier end cap and the (#2) motor plate into (#6) carrier top brace. We will tighten this completely later. Leave about .5 mm between screw head and aluminum plate.
- 4) Loosely thread a (#12) BH through a (#5) carrier end cap and the (#3) left carrier plate into (#6) carrier top brace. We will tighten this completely later. Leave about .5 mm between screw head and aluminum plate.
- 5) Tighten the BH screws in this order until they touch.
 1. (#8) BH securing front of (#2) motor plate
 2. (#7) BH securing rear of (#2) motor plate
 3. (#11) BH securing (#2) motor plate and (#4) end cap to (#6) carrier top brace
 4. (#10) BH securing rear of (#3) left carrier plate
 5. (#9) BH securing front of (#3) left carrier plate
 6. (#12) securing (#3) left carrier plate and (#5) end cap to (#6) top carrier brace
- 6) Ensure all parts are fully seated and the pod sits perfectly flat with no rocking before fully tightening all the screws in the same sequence one last time. For the smallest of imperfections in pod flatness you may attempt to -GENTLY- twist the pod as needed with the screws tightened to seat all parts to your liking.

112-340A Side Arm Kit

CONTENTS:

PARTS

- ☐ 112-341A Side Rocker (left & right)
- ☐ 112-342A Side Arm (left & right)

HARDWARE

- ☐ M3x5 BH (2)
- ☐ M3x18 BH (2)
- ☐ M3x10 FH (2)
- ☐ M3x12 FH (2)
- ☐ M3x14 FH (4)
- ☐ M3 NyLoc (2)
- ☐ M3x5x15 TSO (2)

WHERE / HOW USED

- ☐ M3x14 FH (4) (not shown) - side arms to chassis
- ☐ M3x12 FH (2) (#4) - TSO to side arms
- ☐ M3x18 BH (2) (#6) - into rocker (#2) as tension adjuster
- ☐ M3x5 BH (2) (#5) - top of TSO to retain rocker
- ☐ M3x10 FH (2) (#7) - side arm damper mount screw
- ☐ M3 NyLoc (2) (#8) - side arm damper mount screw

HARDWARE KEY

BH = Button Head Screw
FH = Flat Head Screw
NyLoc = Nylon Locking Hex Nut
TSO = Threaded Standoff

Side Arm Assembly:	
1	
2	
	1) Side Arm 2) Rocker 3) M3X5X15 Threaded Standoff 4) M3X12 Flat Head Screw 5) M3X5 Button Head Screw 6) M3X18 Button Head Screw 7) M3X10 Flat Head Screw 8) M3 NyLoc

Assembly STEPS:

☐ Assemble as shown above

112 Chassis Assembly

CENTER LINK

- ☐ M3x5.5 TB (2) - center link ends
- ☐ M3x10 BH (2) - center link cinch bolts

DAMPER MOUNT

- ☐ M3x16 FH (2) - outer holes for damper
- ☐ M3 NyLoc (2) - outer holes for damper
- ☐ M3x25 FH (1) - center hole in damper mount
- ☐ M3 NyLoc (1) - center hole in damper mount (top)
- ☐ M3x10 FH (2) - damper mount to pod

CHASSIS

REAR PIVOT

- ☐ M3x8 FH (1) - center threaded ball to rear of chassis
- ☐ M3x5.5 TB (1) - chassis center pivot

CENTER POST

- ☐ M3x25 FH (1) - center post to chassis
- ☐ M3 NyLoc (1) - center post (top)

FRONT ARMS

- ☐ M4x12 FH (4) - front arms to chassis

SIDE LINKS

- ☐ M3x16 BH (2) - front of side links to chassis sides
- ☐ M3x5.5 BT (4) - side link ends
- ☐ M3x25 BH (2) - through lower side spindle, through rear of side links, into pod sides

POD to CHASSIS

- ☐ Screw Center Link onto POD and CHASSIS
- ☐ Screw Side Dampers onto POD and CHASSIS
- ☐

SIDE ARMS

- ☐ M3x16 BH (2) - side arm assembly to chassis

BATTERY TWISTEE ASSEMBLY

- ☐ M3x20 BH (2) (battery twistee assembly)
- ☐ M3 FW (4)
- ☐ M3 NyLoc (2)

FAN & FAN GUARD

- ☐ M3x20 BH (2) - fan guard thru fan to pod

- ☐ M3x8 BH (2) - motor to motor plate
- ☐ M3 FW (2) - motor to motor plate

SERVO & SERVO KEEPER

- ☐ Yeah Racing YE-0030 (not included in kit)
 - ☐ M3x8 BH (2) - servo to servo keeper
 - ☐ M3x10 FH (2) - chassis to servo keeper
- Small Zip-Tie - bundle servo wire under servo keeper

BUMPER

- ☐ M3x16 FH (2) - bumper to chassis to bumper keeper

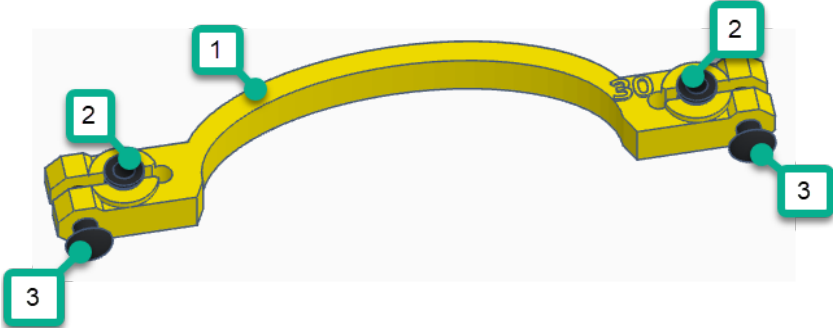
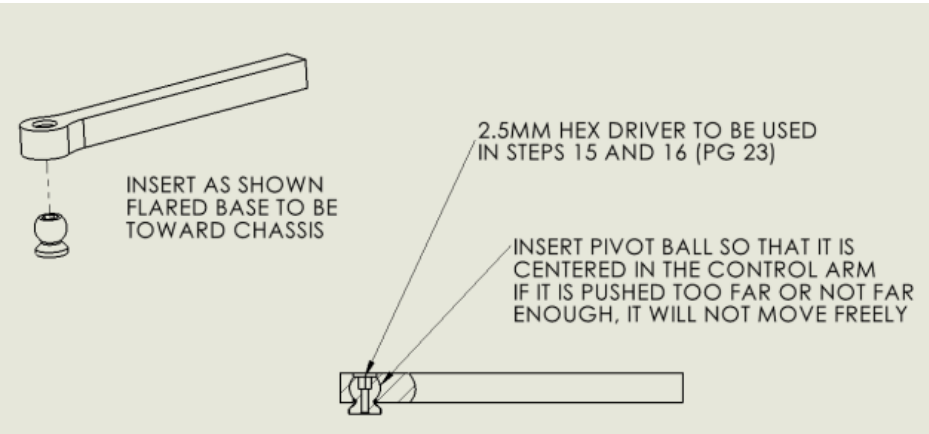
ELECTRONICS TRAY

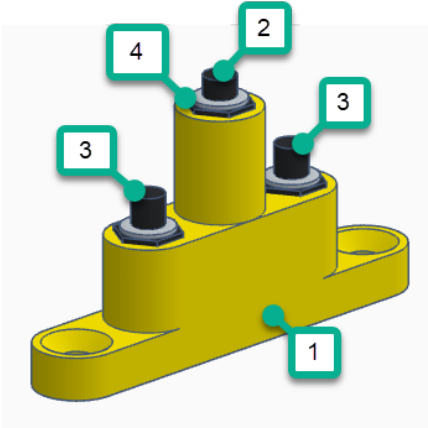
- ☐ M3x6 BH (2) - electronics tray to chassis

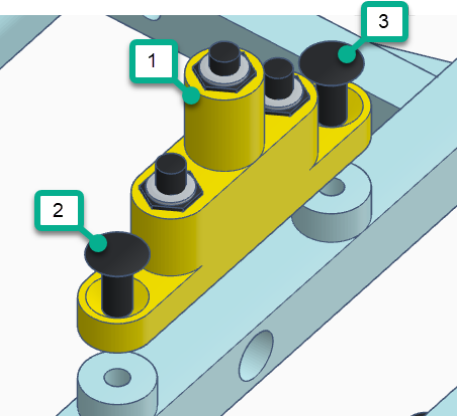
BODY POSTS

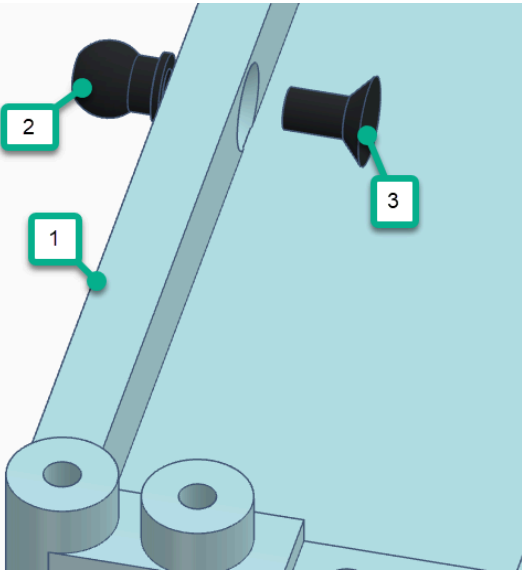
- ☐ M3x12 FH (2) - front body posts to chassis
- ☐ M3x10 BH (2) - body posts to side arms

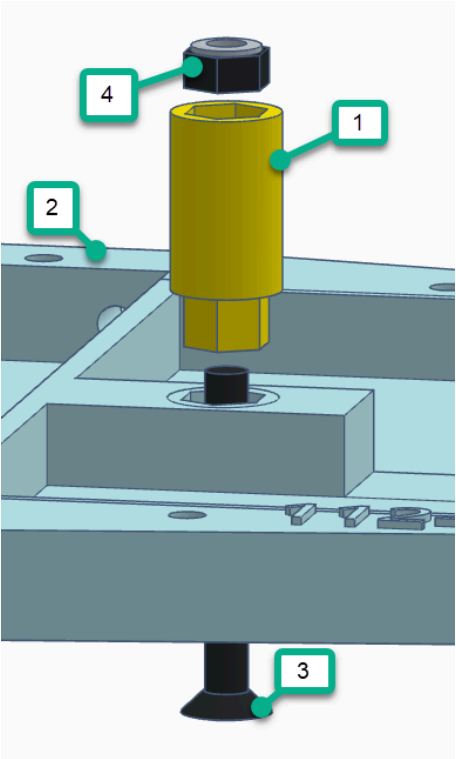
ASSEMBLY INSTRUCTIONS

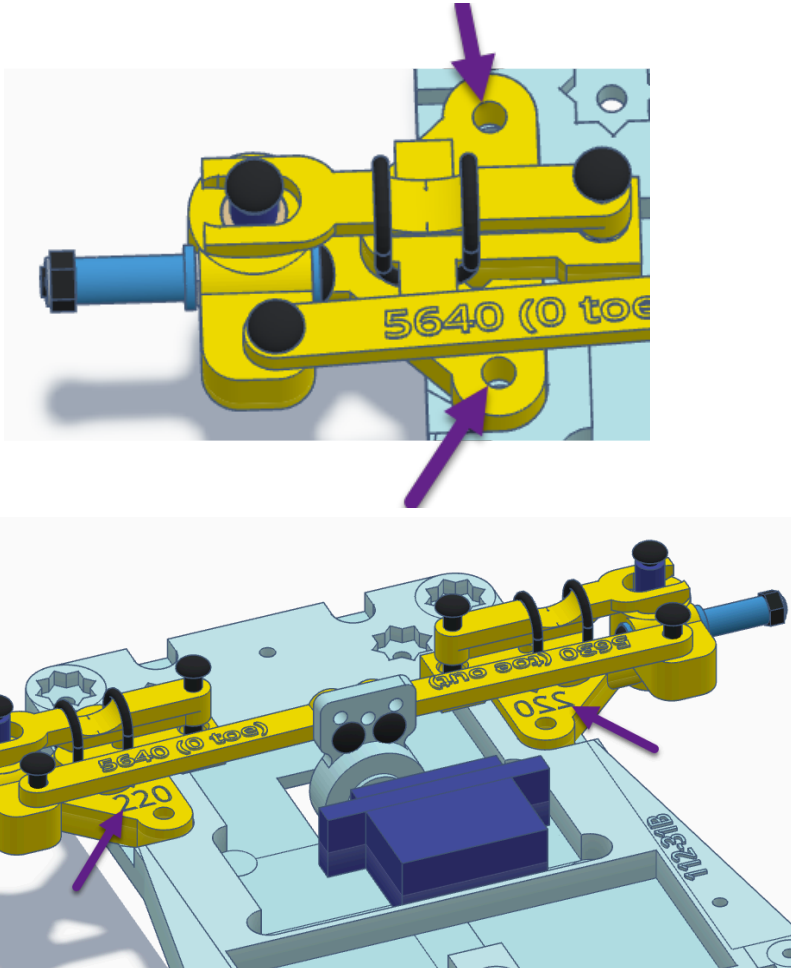
Center Link	 *Below image is courtesy of Ryan Witchey's notes... 
PARTS	1) Center Link 2) M3 x 5.5 TB (2) 3) M3x10 BH (2)
Assembly STEPS	
1	Pop a TB (#2) (Threaded Ball) into each end of Center Link (#1)
	The colored image shows the bottom side of the center link, in this view the “NECK” of the balls are upward
2	Insert M3 x 10 BH into each end.
	Tighten to just “snug”. Ball must remain free to move but with little to no slack

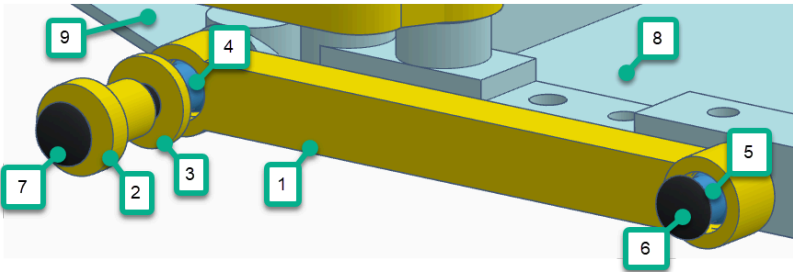
Damper Mount	
PARTS	1) Damper Mount 2) M3 x 25 FH 3) M3 x 16 FH (2) 4) M3 NyLoc (3)
Assembly STEPS	
1	Assemble as shown

Damper Mount to POD	
PARTS	1) Damper Mount Assembly 2) M3x12 FH 3) M3x12 FH 4) Pod (not labeled)
Assembly STEPS	
1	Fasten Damper Mount to POD using FH Screws as shown

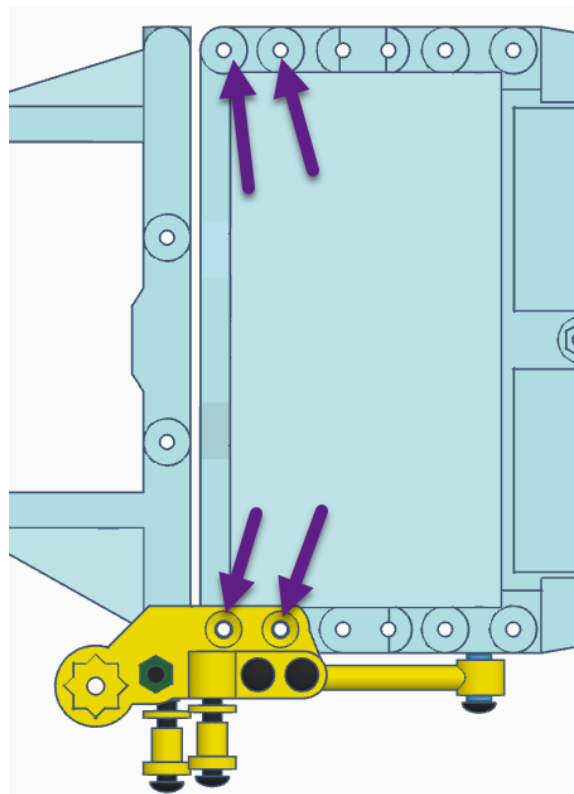
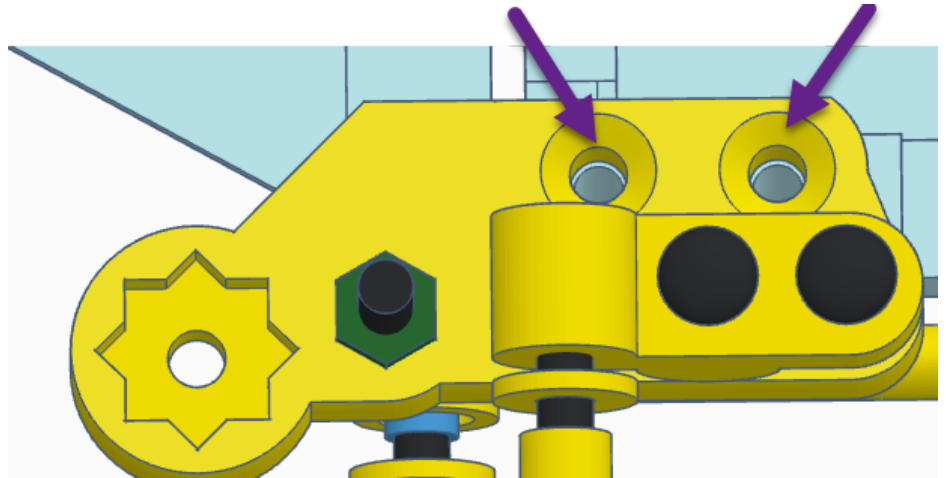
Rear Center Pivot	
PARTS	1) Chassis 2) M3x 5.5 TB 3) M3 x 8 FH
Assembly STEPS	
	☐ Use a dab of blue loctite on threads of the FH screw ☐ Secure TB to Chassis using FH screw as shown

Center Post	
PARTS	1) Center Post 2) Chassis 3) M3 x 25 FH 4) M3 NyLoc
Assembly STEPS	
	☐ Assemble as show

Front Arms to Chassis	
PARTS	1) Front Arm Assembly 2) M4 x 12 FH (4) (not shown)
Assembly STEPS	
	☐ Fasten Front Arm Assemblies to Chassis using M4 FH Screws through bottom of chassis into holes as indicated by arrows ☐ NOTE: the Arm Camber/Caster number is “mirrored” on the right Arm. That's how you know which is Left and which is Right.

Side Link Assembly	
PARTS	1) Side Link 2) Spindle 3) Spindle Washer (3x8x1) 4) Ball Tube 5) Ball Tube 6) M3x16 BH 7) M3x25 BH 8) Chassis 9) Pod
Assembly STEPS	
1	☐ Pop a BT into each end of the Side Links
2	☐ Faster front Side Link to Chassis using M3x16 BH
3	☐ Using M3x25 BH, add a Spindle, Spindle Washer. ☐ Insert through rear Side Link BT into Pod
4	☐ Repeat for both sides
5	COMPLETE Pod to Chassis connection... ☐ Attach the assembled Center Link ☐ Attach the assembled Side Dampers

Side Arm Assembly to Chassis



PARTS

Side Arm Assembly

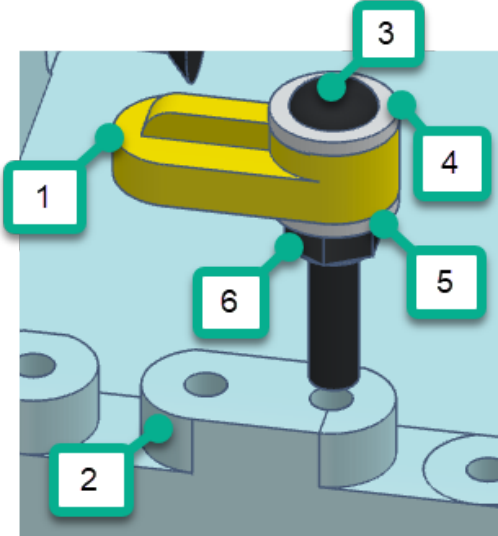
Assembly STEPS

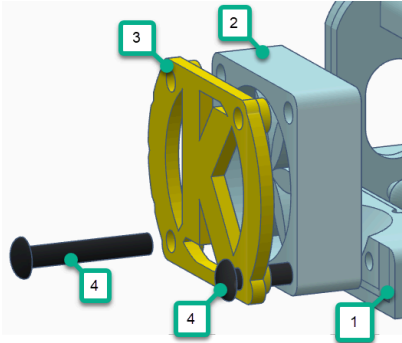
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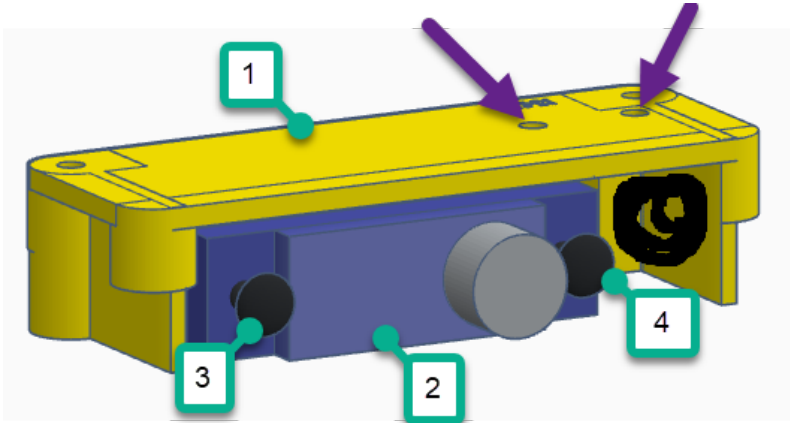
- ☐ Attached RIGHT Side Arm Assembly to Chassis using 2 M3x14 FH Screws. Arrows indicate where the BH screws go.

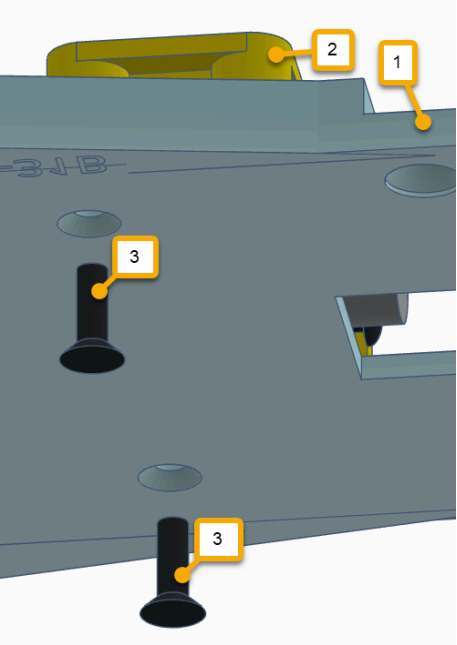
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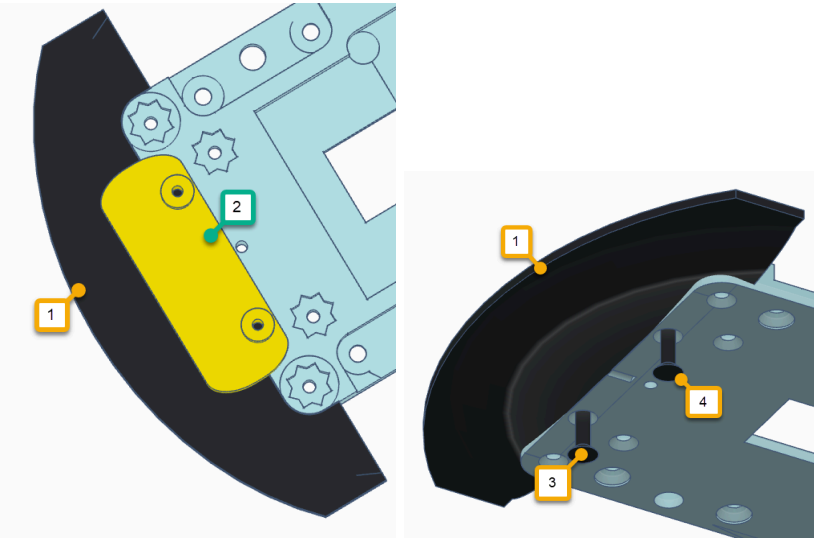
- ☐ Repeat for LEFT side

Battery Twistee	
PARTS	1) Twistee 2) Chassis 3) M3x20 BH 4) M3 FW 5) M3 FW 6) M3 NyLoc
Assembly STEPS	
1	☐ Sandwich the Twistee between two flat washers as shown
2	☐ Tighten NyLoc (#5) to desired twistee “resistance”, DO NOT over tighten ☐ Twistee must be able to turn (be twisted) without causing BH to turn when screwed into chassis

Fan & Fan Guard	
PARTS	1) Pod 2) Fan 3) Fan Guard 4) M3x20 BH (2)
Assembly STEPS	
	☐ Assemble as shown

Servo to Servo Keeper	
PARTS	1) Servo Keeper 2) Servo 3) M3x8 BH 4) M3x8 BH
Assembly STEPS	
1	☐ Fasten Servo to Servo Keeper as shown using 2 M3x8 BH Screws
2	☐ Use the 2 holes indicated by the arrows to bundle excess servo wire in the circled area

Servo Keeper to Chassis	
PARTS	1) Chassis 2) Server Keeper Assembly 3) M3x10 FH (2)
Assembly STEPS	
1	☐ Attach assembly to chassis using 2 M3x10 FH screws from bottom of chassis

Bumper & Bumper Keeper	
PARTS	1) Bumper 2) Bumper Keeper 3) M3x16 FH 4) M3x16 FH
Assembly STEPS	
1	☐ Sandwich Bumper between Chassis and Bumper Keeper
2	☐ Fasten using 2 M3x16 FH Screws inserted from bottom of chassis

Electronics Tray to Chassis	(No image)
PARTS	1. Electronics Tray 2. M3x6 BH (2)
Assembly STEPS	
1	☐ Fasten Tray to Chassis using 2 M3x6 BH Screws.

Body Posts to Chassis	(No image)
PARTS	1. Pairs of Body Posts (2) 2. M3x12 FH (2) 3. M3x10 BH (2)
Assembly STEPS	
1	☐ Attached FRONT Body Posts using FH Screws ☐ Attached REAR Body Posts using BH Screws

BODY MOUNTING:

BittyDesign ARES-1 (GT12 Body by Bitty Designs)

Front - top of chassis to top of TPU washer = 32 mm

Rear - top of side arm to top of TPU washer = 34 mm

Body Post Height cutting steps using the Lynxtuff Body Post Trim and Chamfer Tool (sold separately)...

1. Front Posts... Insert flat body clip into 4th hole from bottom and cut body post using the taller of the 2 options on the tool. Yields ~47 mm top of chassis to top of body post measurement.
2. Rear Posts... Insert flat body clip into 4th hole from bottom and cut body post using the taller of the 2 options on the tool. Yields ~47 mm top of side arm to top of body post measurement

BittyDesign BD12-LSM19 (LMP Body by Bitty Designs)

Front - **bottom** of chassis to top of TPU washer = 19 mm

Rear - top of side arm to top of TPU washer = 26 mm

Body Post Height cutting steps using the Lynxtuff Body Post Trimmer and Chamfer Tool (sold separately)...

3. Front Posts... Insert flat body clip into 4th hole from bottom and cut body post using the taller of the 2 options on the tool. Yields ~47 mm top of chassis to top of body post measurement.
4. Rear Posts... Insert flat body clip into 4th hole from bottom and cut body post using the taller of the 2 options on the tool. Yields ~47 mm top of side arm to top of body post measurement

SuperRad SR-06 (LMP Body by SuperRad)

Front - top of chassis to top of TPU washer = 14 mm (use the our LMP TPU bumper with 3 TPU washers on top)

Rear - top of side arm to top of TPU washer = 30 mm

Body Post Height cutting steps using the Lynxtuff Body Post Trimmer and Chamfer Tool (sold separately)...

5. Front Posts... Insert flat body clip into 4th hole from bottom and cut body post using the taller of the 2 options on the tool. Yields ~47 mm top of chassis to top of body post measurement.

6. Rear Posts... Insert flat body clip into 4th hole from bottom and cut body post using the taller of the 2 options on the tool. Yields ~47 mm top of side arm to top of body post measurement