



123 GT12 & NASQAR

(GT12 = 123-100 & NASQAR = 123-200)

Build Guide

26.03.28.01

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.

Team QIK Build Guide

TEAM QIK PARTS

- ☐ 123-112 Servo Keeper
- ☐ 123-113 Side Link (2)
- ☐ 123-114 Center Post
- ☐ 123-116 Damper Set (3)
- ☐ 123-118T Body Post Sleeve Cap (TPU) (4)
- ☐ 123-121 Pod
- ☐ 123-122 Carrier (2)
- ☐ 123-123 Top Brace
- ☐ 123-124 Damper Mount
- ☐ 123-125 Lower Spindle (2)
- ☐ 123-126 Rear Ride Height Shim Set (2)
- ☐ 123-128 EZ Motor Plate
- ☐ 123-131 Rear Hub Set
- ☐ 123-133 Rear Axle Shim (2)
- ☐ 123-134 Rear Axle (CFT)
- ☐ 123-135 Rear Axle Plug (2)
- ☐ 123-140A-2 Center Link (2 dot medium)
- ☐ 123-151-22 Front Arms (Left & Right)
- ☐ 123-152 Front Ride Height Shim Set (2)
- ☐ 123-153 Front Rocker & Cradle Set (2)
- ☐ 123-154 Front Axle Adaptor (2)
- ☐ 123-155-4 Toe Link (Left & Right)
- ☐ 123-156 Front Hubs (Left & Right)
- ☐ 123-157 Bump Shim (2)
- ☐ 123-158 114 Servo Saver Bushing (1)
- ☐ 123-164 Side Wire Keeper (2)
- ☐ 123-167 Tray
- ☐ 123-179 Battery Keeper (2)

OTHER PARTS:

- ☐ 123-803 Battery Strap Rubber Ring (1)
- ☐ 123-804 Servo (Yeah Racing YE-0030 Micro Servo)
- ☐ 123-805 Servo Saver (Kimbrough #114)
- ☐ SG-4858 48p 58t Spur Gear

GT12 (123-100) KIT Includes:

- ☐ 123-111 GT12 Chassis
- ☐ 123-115 Side Arms (Left & Right)
- ☐ 123-117 Front Body Post Mount
- ☐ 123-118 Body Post Sleeve Set (2)
- ☐ 123-119 Body Post Set (2)

NASQAR (123-200) KIT Includes:

- ☐ 123-211 NASQAR Chassis
- ☐ 123-217 NASQAR Front Body Post Mount
- ☐ 123-288 NASQAR Body Post Sleeve Set (2)
- ☐ 123-289 NASQAR Body Post Set (2)
- ☐ 123-281 NASQAR Rear Body Post Riser (2)
- ☐ 123-282 NASQAR Rear Body Post Extension
- ☐ 123-285 NASQAR Side Arm (-2)
- ☐ M3 x 25 FH (4) - riser to chassis
- ☐ M3x16 BH (4) - rear post extension to risers

Make it a 123Q (Club-House Racer) with the following QHR Completion Kit...

NRC QHR Completion Kit Includes (Sold Separately)

- ☐ Stand (only 1 option is included based on GT12 or NASQAR fitment)
 - ☐ 123-192 GT12 Stand
 - ☐ 123-292 NASQAR Stand
- ☐ 123-363 NRC Front Wire Keeper
 - ☐ M3x8 BH (2)
- ☐ 123-371 RTR ESC Radio Strap
 - ☐ M3x16 BH (2)
- ☐ 123-901 Front TPU Bumper Wide
 - ☐ M3x8 BH (1)
- ☐ HW 1625 ESC
- ☐ NRC MOTOR CERTIFICATION (only 1 option will be included based on racer's status)
 - ☐ 80 Cert Motor
 - ☐ 123-807-80 APEX 80T Brushed Motor
 - ☐ 123-378-QHR07 700 mAh Li-Ion Battery
 - ☐ 55 Cert Motor
 - ☐ 123-807-55 APEX 55T Brushed Motor
 - ☐ 123-376-QHR12 1200 mAh Li-Ion Battery
 - ☐ 45 Cert Motor
 - ☐ 123-807-45 APEX 45T Brushed Motor
 - ☐ 123-385-QHR15 1500 mAh Battery
- ☐ PG-4825 48p 25t Pinion Gear
- ☐ Gravity Wheels & Tires

HARDWARE

M3 Button Head Screws (BH)

- ☐ M3x6 BH (4)
- ☐ M3x8 BH (6)
- ☐ M3x10 BH (13)
- ☐ M3x12 BH (2)
- ☐ M3x16 BH (11)
- ☐ M3x25 BH (3)
- ☐ M3x30 BH (2)

M3 Flat Head Screws (FH)

- ☐ M3x10 FH (6)
- ☐ M3x12 FH (6)
- ☐ M3x16 FH (2)
- ☐ M3x20 FH (6)
- ☐ M3x30 FH (2)

M3 Cap Head Screws (CH & CHR)

- ☐ M3x10 CHR (6)

M3 Set Screws (SS)

- ☐ M3x10 SS (6)

M3 Washers, Nuts & Other

- ☐ M3x0.5 FW (9)
- ☐ M3x12 FW (1)
- ☐ M3 Nut (2)
- ☐ M3 NyLoc (2)

M4 Flat Head Screws

- ☐ M4x12 FH (4)

Bearings & More

- ☐ 3/16 x 5/16 x 1/8 FMB (4)
- ☐ 6x10x3 FMB (2)
- ☐ M3x5.5x7 BT (4)
- ☐ M3x5.5x7 TB (11)
- ☐ M3x5x5 SB (10)
- ☐ M3x25 SP (5)
- ☐ BC (4)
- ☐ RB (20)
- ☐ ZT (1)

HARDWARE KEY

TB = Threaded Ball
BT = Ball Tube
BH = Button Head Screw
FH = Flat Head Screw
CH = Cap Head Screw
CHR = Reduced Size Cap Head Screw
FW = Flat Washer
Nut = Nut
NyLoc = Nylon Locking Hex Nut
FMB = Flanged Metal Bearing
SP = Steel Pin
SB = Sleeve Bearing
RB = Rubber Band
SS = Set Screw
ZT = Zip-Tie
BC = Body Clip

OPTIONAL Parts

STANDS

- ☐ 123-192 GT12 Stand
- ☐ 123-292 NASQAR Stand

TOOLS & TEMPLATES

- ☐ 123-991 Easy Setup Ride Height Gauge
- ☐ 123-993 GT12 Body Template

BODY (sold separately)

Bitty Design Ares-1 GT12 Body (clear uncut & unpainted)

HARDWARE COUNT BREAKDOWN:

- ☐ **123-111 GT12 Chassis**
 - ☐ M3x8 BH (1)
 - ☐ M3x5.5x7 TB (1)
- ☐ **123-112 Servo Keeper**
 - ☐ M3x30 FH (2)
- ☐ **123-113 Side Link (2)**
 - ☐ M3x16 BH (2)
 - ☐ M3x25 BH (2)
 - ☐ M3x5.5x7 BT (4)
- ☐ **123-114 Center Post**
 - ☐ M3x10 FH(1)
 - ☐ M3x20 FH (2)
- ☐ **123-115 Side Arms (Left & Right)**
 - ☐ M3x12 FH (4)
 - ☐ M3x10 FH (2)
- ☐ **123-116 Damper Set (3)**
 - ☐ M3x8 BH (3)
 - ☐ M3x5.5x7 TB (6)
 - ☐ M3x25 SP (3)
 - ☐ M3x5x5 SB (6)
- ☐ **123-117 Front Body Post Mount**
 - ☐ Uses screws listed with servo keeper
- ☐ **123-118 Body Post Sleeve Set (2)**
 - ☐ NA
- ☐ **123-118T Body Post Sleeve Cap (TPU) (4)**
 - ☐ NA
- ☐ **123-119 Body Post Set (2)**
 - ☐ M3x10 BH (4)
 - ☐ BC (4)
- ☐ **123-121 Pod**
 - ☐ NA
- ☐ **123-122 Carrier (2)**
 - ☐ M3x20 FH (4) carriers to pod
 - ☐ 6x10x3 FMB (2) axle bearings
- ☐ **123-123 Top Brace**
 - ☐ M3x16 FH (2)
- ☐ **123-124 Damper Mount**
 - ☐ M3x16 BH (2) side studs
 - ☐ M3x25 BH (1) center stud
 - ☐ M3x12 BH (2) mount to pod
- ☐ **123-125 Lower Spindle (2)**
 - ☐ Uses screws listed with side links
 - ☐ RB (6 to 12)
- ☐ **123-126 Rear Ride Height Shim Set (2)**
 - ☐ NA

- ☐ **123-128 EZ Motor Plate**
 - ☐ M3x10 BH (2) motor plate to pod screws
 - ☐ M3x8 BH (1) top motor screw
 - ☐ M3x16 BH (1) lower motor screw
 - ☐ M3x0.5 FW (1) top motor screw
 - ☐ M3x12 FW (1) lower motor screw
- ☐ **123-131 Rear Hub Set**
 - ☐ M3x10 SS (6) hubs to axle
 - ☐ M3x10 CHR (6) wheels to hubs
 - ☐ M3x10 FH (3) through spur into hub
- ☐ **123-133 Rear Axle Shim (2)**
 - ☐ NA
- ☐ **123-134 Rear Axle (CFT)**
 - ☐ NA
- ☐ **123-135 Rear Axle Plug (2)**
 - ☐ NA
- ☐ **123-140-2 Center Link (2 dot medium)**
 - ☐ M3x10 BH (2) ball tensioners
 - ☐ M3x10 BH (2) ball studs
 - ☐ M3x10 BH (2) sag tensioners
 - ☐ M3x5.5x7 TB (2)
- ☐ **123-151-22 Front Arms (Left & Right)**
 - ☐ M3x8 BH (2) hold SPs in place
 - ☐ M4x12 FH (4) arms to chassis
- ☐ **123-152 Front Ride Height Shim Set (2)**
 - ☐ NA
- ☐ **123-153 Front Rocker & Cradle Set (2)**
 - ☐ M3x12 BH (2) rocker adjuster
 - ☐ M3x12 FH (2) cradle to arm
 - ☐ RB (2 to 6)
- ☐ **123-154 Front Axle Adaptor (2)**
 - ☐ NA
- ☐ **123-155-4 Toe Link (Left & Right)**
 - ☐ M3x16 BH (2) toe to hub
 - ☐ M3x5.5x7 TB (2)
- ☐ **123-156 Front Hubs (Left & Right)**
 - ☐ M3x30 BH (2) used as axles
 - ☐ M3 Nut (2) retain M3x30 axle in hub
 - ☐ M3x0.5 FW (4) axle length shims
 - ☐ M3x0.5 FW (2) droop limiters
 - ☐ M3 NyLoc (2) hold wheels on
 - ☐ M3x5x5 SB (4)
 - ☐ 3/16 x 5/16 x 1/8 FMB (4) wheel bearings
- ☐ **123-157 Bump Shim (2)**
 - ☐ NA
- ☐ **123-158 114 Servo Saver Bushing (1)**
 - ☐ NA
- ☐ **123-164 Side Wire Keeper (2)**
 - ☐ M3x8 BH (2)
- ☐ **123-167 Tray**

- ☐ M3x8 BH (2)
- ☐ **123-179 Battery Keeper (2)**
- ☐ M3x16 BH (2)

OTHER PARTS:

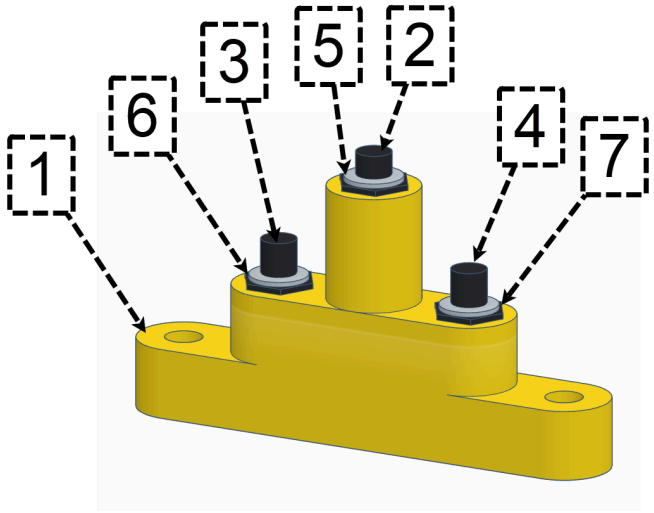
- ☐ **123-803 Battery Strap Rubber Ring (1)**
- ☐ NA
- ☐ **123-804 Servo (Yeah Racing YE-0030 Micro Servo)**
- ☐ ZT (1) maintain servo wire
- ☐ **123-805 Servo Saver (Kimbrough #114)**
- ☐ M3x8 BH (2) studs
- ☐ M3x10 BH (1) hold saver to servo

DAMPER MOUNT

Hardware for this section:

M3x16 BH (2) - damper mount outer posts

M3x25 BH (1) - damper mount center post

Damper Mount	
PARTS	1. Damper Mount 2. M3x25 BH 3. M3x16 BH 4. M3x16 BH 5. M3 NyLoc (no longer used) 6. M3 NyLoc (no longer used) 7. M3 NyLoc (no longer used)
Assembly STEPS	
1	Assemble as shown

POD (COULD USE NEW PICTURES SHOWING NUTLESS CARRIERS)

Hardware for this section:

M3x10 BH (2) - motor plate

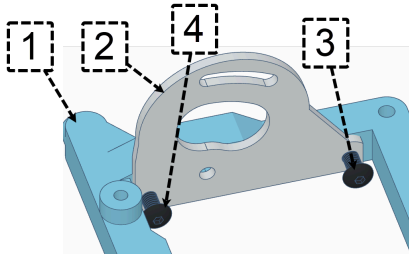
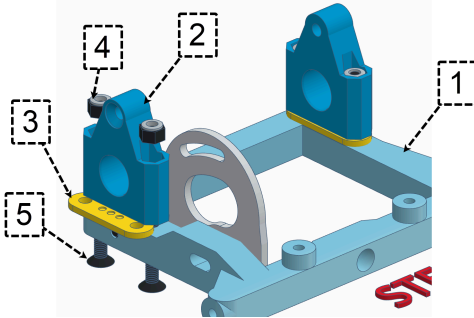
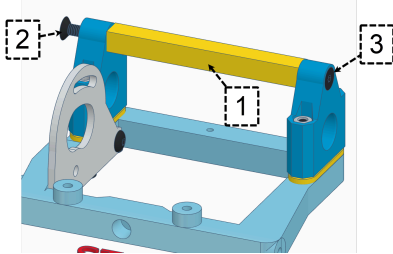
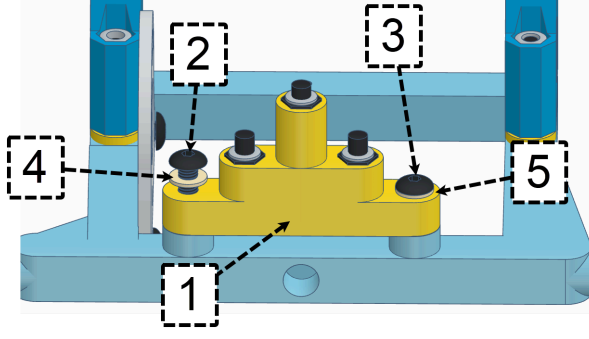
6x10x3 FMB (2) - flanged bearing... insert an axle bearing into each rear carrier

M3x20 FH (4) - carriers to pod

M3x16 FH (2) - top brace to carriers (barely snug)

M3x16 BH (2) - damper mount to pod

M3x0.50 FW (2) - damper mount to pod

STEP 1 1. Pod 2. Motor Plate 3. M3x10 BH 4. M3x10 BH Attach motor plate to pod as shown	
STEP 2 1. Pod 2. Carrier (2) 3. Rear Ride Height Shim (2) (use the 2 dot shim to start with) 4. M3 NyLoc (4) (NO LONGER USED) 5. M3x20 FH (4) Attach carriers to pod as shown	
STEP 3 1. Top Brace 2. M3x16 FH 3. M3x16 FH Attach top brace to carriers as shown. Tighten screws to just snug, not tight.	
STEP 4 1. Assembled Damper Mount 2. M3x16 BH 3. M3x16 BH 4. M3x0.50 FW 5. M3x0.50 FW Attach the assembled damper mount to the pod as shown.	

REAR SPOOL ASSEMBLY into/onto POD (COULD USE NEW PICTURE SHOWING NUTLESS CARRIERS and ABSENCE OF SPUR DISC)

Hardware for this section:

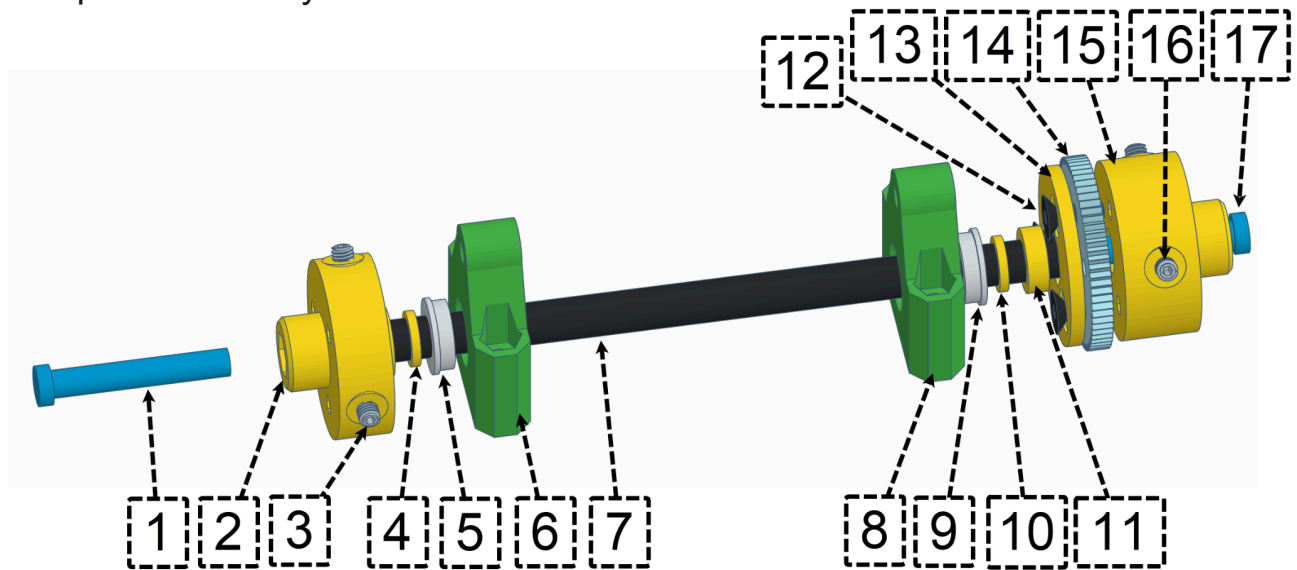
M3x10 SS (6)

M3x10 FH (3)

6x10x3 FMB (2) - bearings to be inserted into carriers

M3x10 CHR (6)

Spool Assembly



1. Axle Plug
2. Hub (left)
3. M3x10 SS (3)
4. 2 mm Shim
5. Bearing - (should be inserted into carrier already attached to pod)
6. Carrier - (already attached to pod)
7. Axle
8. Carrier - (already attached to pod)
9. Bearing - (should be inserted into carrier already attached to pod)
10. 2 mm Shim
11. 3mm Shim
12. M3x10 FH (3)
13. Spur Disk - do NOT use... image will be updated later
14. Spur Gear (attached to right hub)
15. Hub (right)
16. M3x10 SS (3)
17. Axle Plug

STEPS

1. Before assembling the spool, the carriers (#6 and #8) must be attached to the pod
2. Attach spur gear to the right hub using 3 M3x10 FH snugly without over tightening
3. Insert axle plugs into each end of the axle

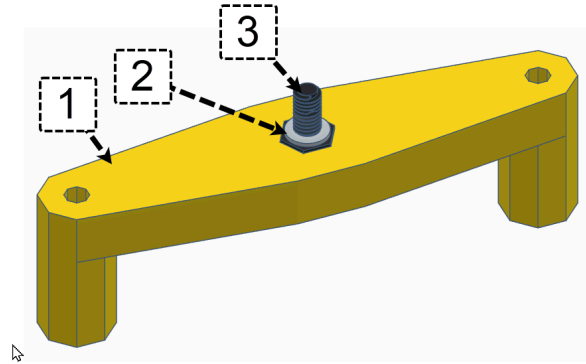
4. Insert bearings (#5 & #9) into carriers (#6 & #8) on pod
5. Insert a left hub (#2) onto the left end of the axle (#7), flush on the left
6. Screw 3 M3x10 SS (#3) into the left hub and snug them to the axle
7. Add a 2 mm shim (#4) to the axle
8. Insert axle from left side, through bearing (#5) in left carrier, and through bearing (#9) in the right carrier of the pod
9. Slide a 2 mm shim (#10) onto axle
10. Slide the 3mm thick shim (#11) onto the axle
11. Slide right hub (#15) with spur gear (#14) attached onto the axle
12. Do not push the right end on tightly. Leave just a fraction of a mm of end play for the axle to not bind on the bearings
13. Screw 3 M3x10 SS (#16) into the right hub and snug them to the axle

CENTER POST

(COULD USE NEW PICTURE SHOWING UPDATED PART SHAPE AND NUTLESS DESIGN)

Hardware for this section:

M3x10 FH (1) - Center link stud



1. Center Post
2. M3 NyLoc (no longer used)
3. M3x10 FH

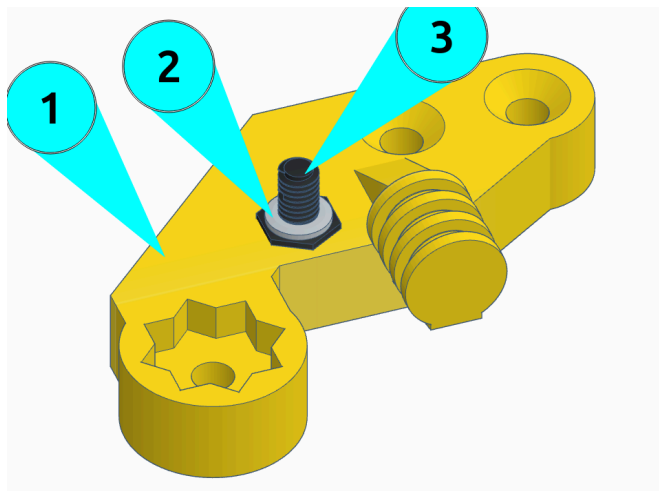
Assemble as shown.

SIDE ARMS (NEEDS PICTURE OF SIDE ARM ATTACHED TO CHASSIS AND NUTLESS DESIGN)

Hardware for this section:

M3x10 FH (2) - Damper stud

M3x12 FH (4) - side arms to chassis



1. Side Arm (left shown)
2. M3 NyLoc (2) - 1 per side arm (no longer used)
3. M3x10 FH (2) - 1 per side arm
4. M3x12 FH (4) - 2 per side arm to attach side arm to chassis (not shown)

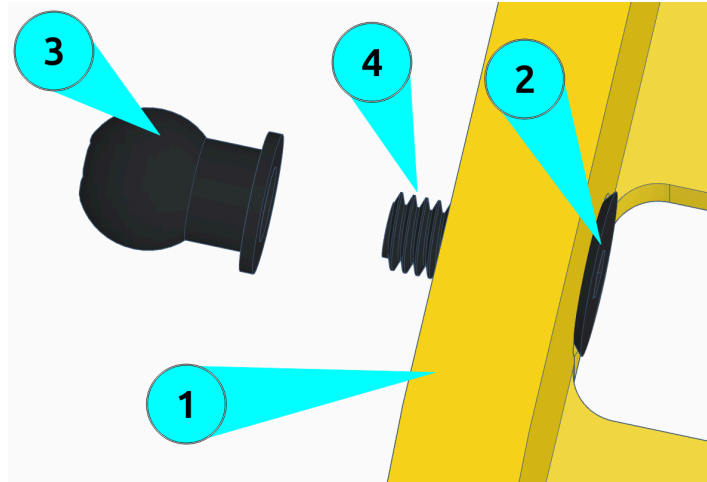
Assemble the left side arm as shown.
Repeat for right side arm (not shown)
Attach side arms to the chassis as shown.

CHASSIS PIVOT BALL

Hardware for this section:

M3x8 BH (1) - rear pivot ball (use a little blue locktite)

M3x5.5x7 TB (1) - rear pivot ball



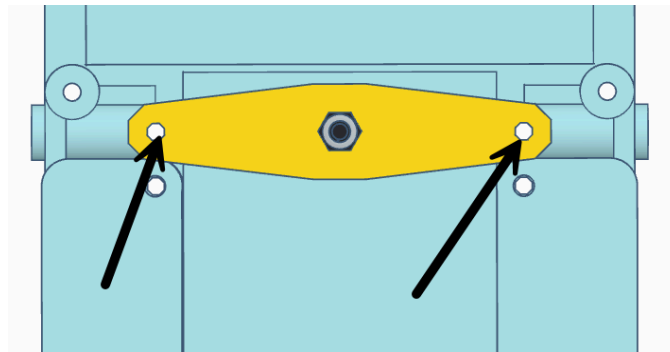
1. Chassis
2. M3x8 BH (previous models used M3x8 FH)
3. M3x5.5x7 TB
4. Placement of blue thread lock paste

Assemble as shown

CENTER POST to CHASSIS (**COULD USE NEW PICTURE TO REFLECT NEWER PART SHAPE**)

Hardware for this section:

M3x20 FH (2) - center post to chassis



Attach center post assembly to chassis using 2 each M3x20 FH through the bottom of chassis up into center post assembly. Orient center post so that the bevel on the underside accommodates insertion of the battery. This will place the extra material of the center mount forward of the center link stud.

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FRONT HUBS

Hardware for this section:

M3x5x5 SB (4) - insert 2 per hub

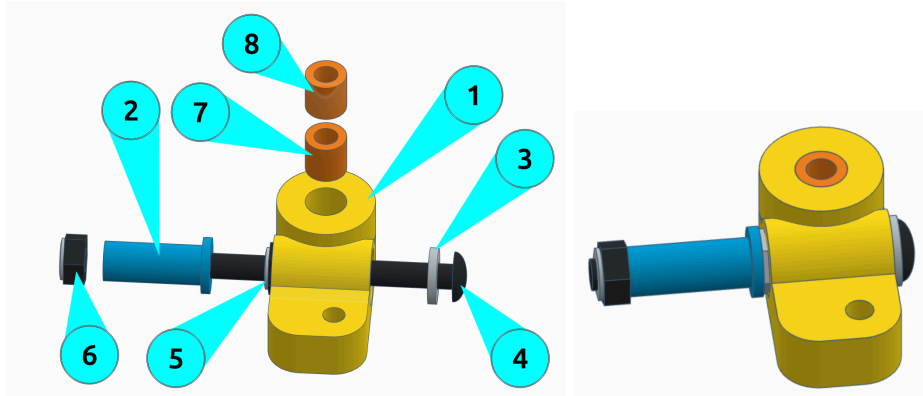
M3 Nut - (2) - front hubs

M3x.50 FW (4) - 2 per axle on inside next to BH head (narrow front end)

M3x30 BH (2) - front axles

3/16 x 5/16 x 1/4 FMB (4) - 2 per axle

M3 NyLoc (2) - front wheel nut

Front Hub	
PARTS	1. Front Hub 2. Front Axle Adaptor 3. M3x0.5 FW (Use 2, only 1 shown in photo) 4. M3x30 BH (axle) 5. M3 Nut 6. M3 NyLoc 7. M3x5x5 SB 8. M3x5x5 SB
Assembly STEPS:	
1	Press the 2 3x5x5 SB (#7 & #8) into front hub (#1) from top until flush
2	Assemble items #4, #3, #3, #1, and #5 and tighten, using 2 FW (#3) whereas only 1 is shown
3	Thumb thread front axle adaptor #2 onto axle
4	Slide 2 3/16" x 5/16" x 1/4" FMB (not shown above) onto axle adaptor. (Remove bearings and insert them into your wheels for installation after front end is complete)
5	Thread M3 Nyloc #6 onto axle
6	Repeat for right side

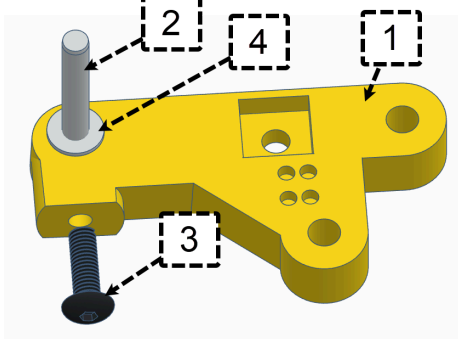
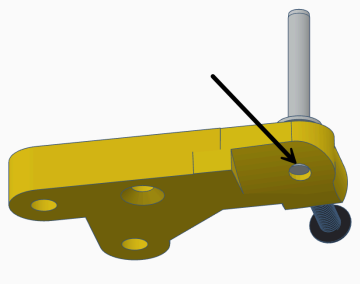
FRONT ARMS (CONSIDER REARRANGING THESE STEPS TO KEEP FW FROM FALLING OFF DURING CRADLE ATTACHMENT)

Hardware for this section:

M3x25 SP (2) - king pins into front arms

M3x8 BH (2) - front arm to hold kingpin (tighten to German specifications --> GÜD-n-Tite)

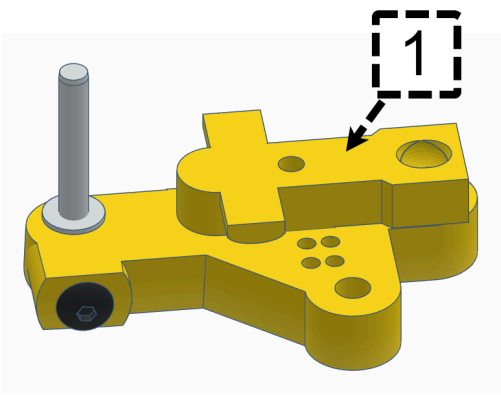
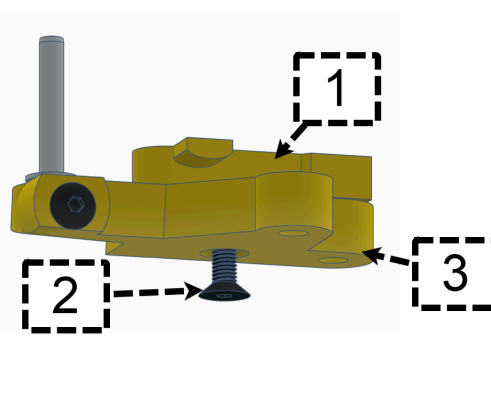
M3x0.5 FW (2) - droop limit on kingpin

Front Arm & Kingpin	
PARTS	1. Front Arm 2. M3x25 SP (kingpin) 3. M3x8 BH to secure kingpin 4. M3x0.5 FW
Assembly STEPS:	
1	☐ Press SP (kingpin) into arm until flush on bottom 
2	☐ Insert BH to secure kingpin
3	☐ Place a M3x0.5 FW (#4) onto kingpin (shiniest and smoothest side up) ☐ More FWs may be added later for more droop limit if desired. We recommend starting with one FW per arm.

CRADLE to ARM

Hardware for this section:

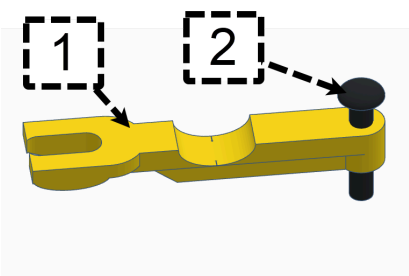
M3x12 FH (2) - rockers to arms

Rocker & Cradle		
PARTS	1. Cradle 2. M3x12 FH 3. Arm	
Assembly STEPS:		
1	Install M3x12 FH through bottom of the arm into the cradle	
2	Repeat for other side	

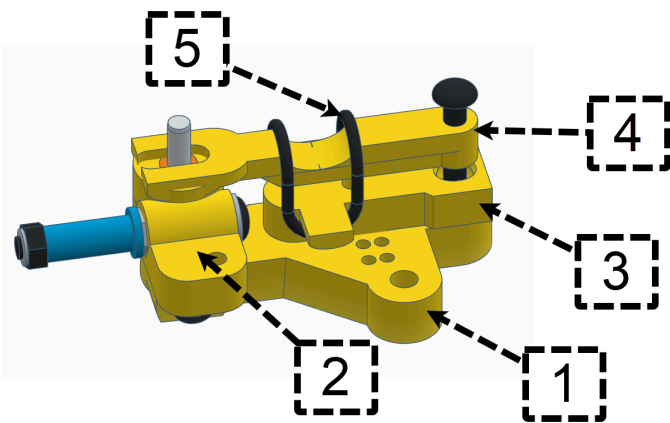
ROCKER with Adjustment Screw

Hardware for this section:

M3x12 BH (2) - rocker adjustment screws

Rocker & Cradle	
PARTS	1. Rocker 2. M3x12 BH Screw
Assembly STEPS:	
1	Install M3x12 BH through rocker end
3	Repeat for other side

FRONT ASSEMBLY (Arm, Hub, Rocker & Cradle)

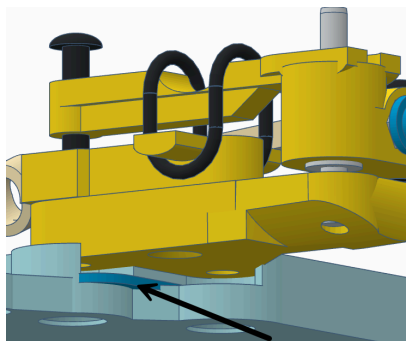
Front Arm, Rocker, and Hub	
PARTS	1. Front Arm 2. Hub Assembly 3. Cradle 4. Rocker with adjustment screw 5. RB - 1 shown but use 3 to start
Assembly STEPS:	
1	Apply a thin layer of Kyosho 15k grease to kingpin
2	Slide hub onto kingpin (take note of left and right hubs)
3	Place rocker with adjustment screw on top of hub as shown. The rocker adjustment screw sits in the pocket on the cradle.
4	Install RB as seen in image (start with 3 RB and adjust number as needed for track tuning)
5	Repeat for other side

FRONT ARM ASSEMBLY to CHASSIS

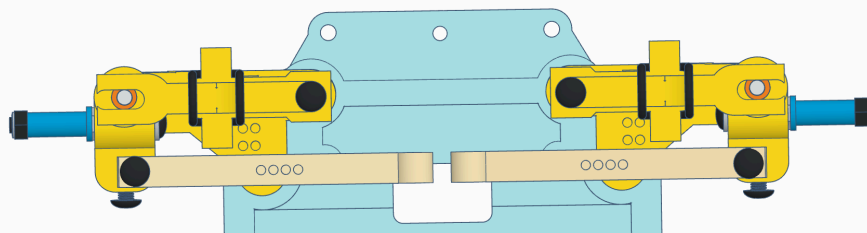
Hardware for this section:

M4x12 FH (4) - arms to chassis

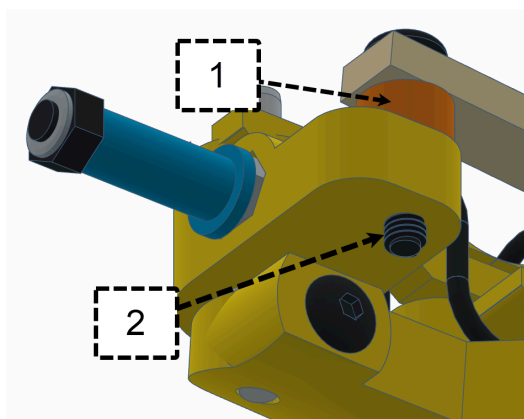
M3x16 BH (2) - toe links to hubs



Front Ride Height Shim Placement, start with the 2 dot shim.



Attach front arms to chassis using M4x12 FH screws, 2 per arm, from bottom of chassis



Attach toe links to hubs using M3x16 BH screw as shown with the bump shim (#1) between the toe link and the hub. DO NOT tighten; bottom of the screw should protrude only 2mm below the bottom of the hub (#2).

SERVO SAVER

Hardware for this section:

M3x6 BH (2)

M3x5.5x7 TB (2)

1. Servo Saver
2. M3x6 BH (2)
3. M3x5.5x7 TB (2)

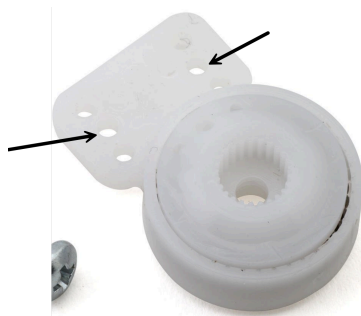
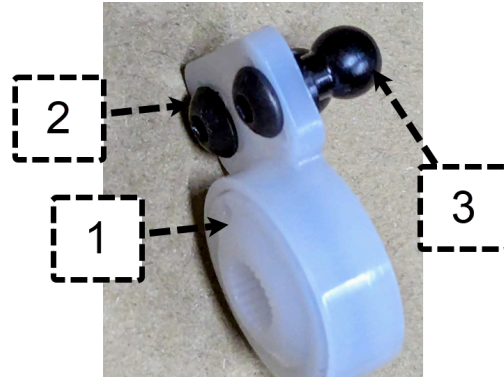


IMAGE #2

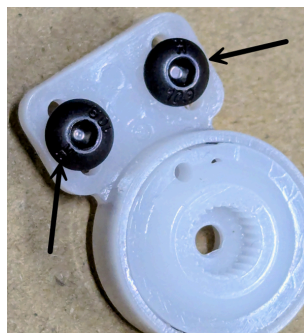


IMAGE #3



IMAGE #4

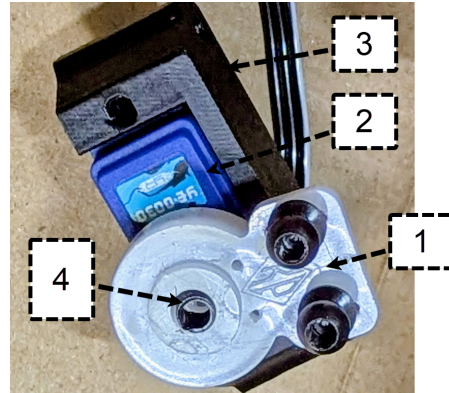
1. Drill the center (closer together) pair of holes using a 7/64 drill bit (image #2)
2. Thread M3x6 BH (2) into drilled holes as shown (image #3)
3. Thread M3x5.5x7 TB onto each of the M3 screws and tighten (image #4)

SERVO SAVER TO SERVO

Hardware for this section:

M3x10 BH (1)

1. Servo Saver Assembled
2. Servo
3. Servo Keeper
4. Servo Bushing
5. M3x10 BH (not shown) holds servo saver onto the servo



STEPS:

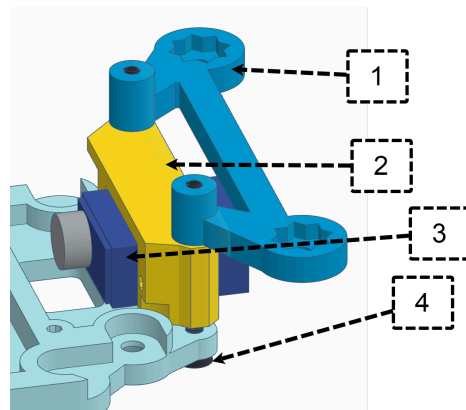
1. Center the servo using your radio with EPA = 100. TRIM=0 and SUB-TRIM = 0 (centered)
2. Install servo saver onto the servo as shown, getting it as close to the center position as possible.
3. Secure the servo horn to the servo using a M3x10 BH screw. Use Sub-Trim feature on radio to get servo horn perfectly centered

SERVO, SERVO KEEPER, & BODY POST MOUNT

Hardware for this section:

M3x30 FH (2) - through chassis, through servo keeper, into front body post mount

1. Front Body Post Mount
2. Servo Keeper
3. Servo
4. M3x30 FH (2)



STEPS:

1. REMOVE THE WRAP-AROUND LABEL FROM SERVO
2. Slide the servo into the servo keeper as shown
3. Attach servo keeper (with servo) and the front body post mount to the chassis using 2 M3x30 FH screws through the bottom of the chassis and up through the servo keeper and into the front body post mount.
4. Snap toe links onto servo saver TBs.

SIDE LINKS (THIS SECTION NEEDS PICTURES AND STEPS)

Hardware for this section:

M3x5.5x7 BT (4)

M3x25 BH (2)

M3x16 BH (2)

RB (6)

M3x5.5x7 BT (4) - ball tube, 2 per side link

M3x25 BH (2) - side links (rear) - through lower spindle, through BT in end of side link, into POD

M3x16 BH (2) - side links (front) - through BT in other end of side link, into CHASSIS

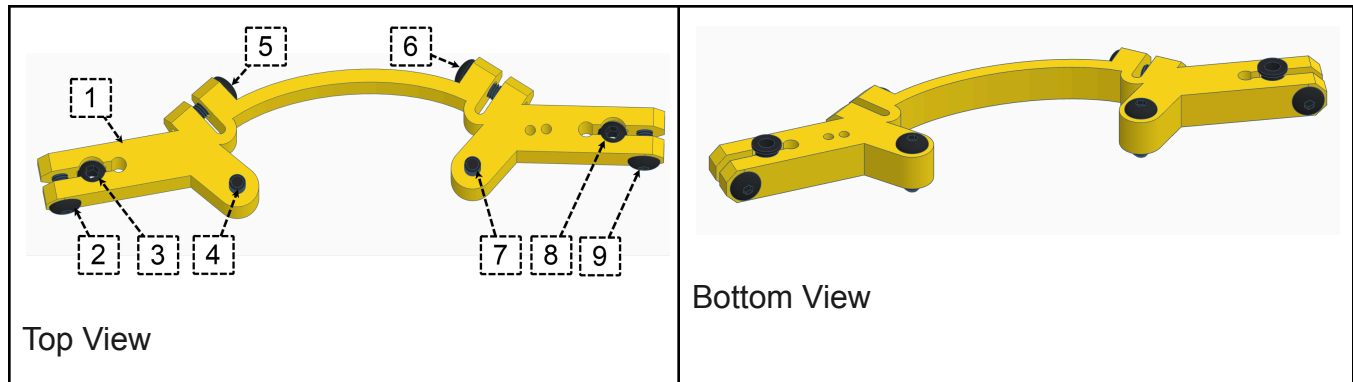
RB (6) - install 3 RB per side from lower spindle to upper spindle on side arm

CENTER LINK

Hardware for this section:

M3x10 BH (6)

M3x5.5x7 TB (2)



1. Center Link
2. M3x10 BH (2) - pivot ball tension (tighten carefully to just take slack out of the ball)
3. M3x5.5x7 TB (2) - pivot ball ends
4. M3x10 BH (2) - damper post
5. M3x10 BH - center link droop adjuster (do NOT tighten)
6. M3x10 BH - center link droop adjuster (do NOT tighten)
7. M3x10 BH (2) - damper post
8. M3x5.5x7 TB (2) - pivot ball ends
9. M3x10 BH (2) - pivot ball tension (tighten carefully to just take slack out of the ball)

STEPS:

1. Press M3x5.5x7 TB into each end of center link as shown
2. Thread M3x10 BH into locations indicated above
3. Attach TBs of center link to damper mount and center mount of chassis assembly.

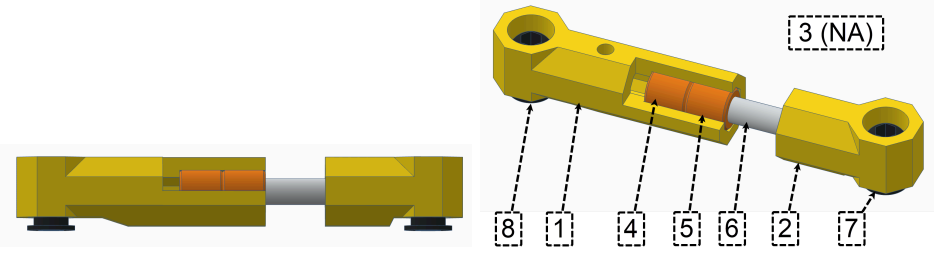
DAMPERS (3) (NEEDS NEW IMAGE FOR “PRESS IN” PLUNGER)

Hardware for this section:

M3x5.5x7 TB (6)

M3x25 SP (3)

M3x5x5 SB (6)

Damper	
PARTS	1. Cannon 2. Plunger 3. M3x8 BH (NO LONGER USED) 4. M3x5x5 SB 5. M3x5x5 SB 6. M3x25 SP 7. M3x5.5x7 TB 8. M3x5.5x7 TB
Assembly STEPS	
1	Press a TB (#7) into Plunger (#2) as shown The flange of the TB should end up on the same side of the plunger as the “recess”
2	Press a TB (#8) into Cannon (#1) as shown The flange of the TB should end up on the opposite side of the weep hole in the cannon
3	Press SP (#6) into Plunger (#2) - 16-17mm should protrude when fully inserted
4	Press 2 SB (#4 & #5) into Cannon (#1) to flush as shown
5	Partially fill cavity inside Cannon (#1) with 15k grease as damping
6	Slide the two halves together. Wipe away any excess grease.
7	Adjust amount of grease as needed to perform without popping, slack, or seal locking
8	Repeat steps 1-8 for other dampers
9	Attach 1 damper to center link with plunger attached to rear of center link
10	Attach 2 dampers, connecting cannons to side arms and plungers to the damper mount

GT12 BODY POSTS (I THINK THIS SECTION COULD USE SOME CLARITY)

Hardware for this section:

- M3x10 BH (2) - front (short) body posts (install so body clip holes are side-to-side)
- M3x10 BH (2) - rear (long) body posts (install so body clip holes are front-to-back)

NASQAR BODY POSTS

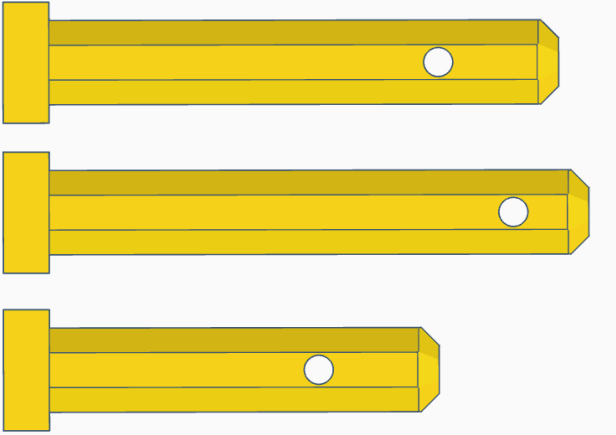
- M3x10 BH (2) - front (short) body posts (install so body clip holes are side-to-side)
- M3x10 BH (2) - rear (long) body posts (install so body clip holes are front-to-back)

BODY POST EXTENDER POSTS

Hardware for this section:

- M3x10 BH (2) - front (short) body posts (install so body clip holes are front-to-back)

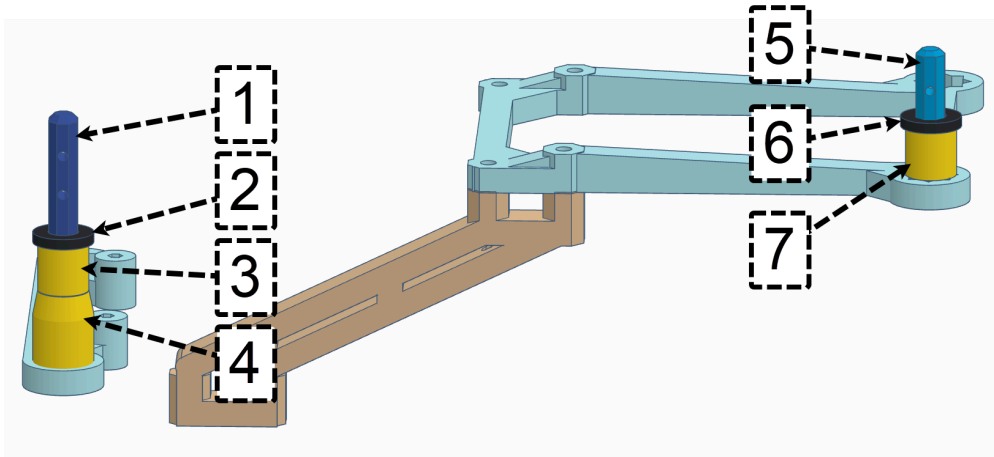
NASQAR / NASTRUQ BODY POST SET:

Front NC Front NT Rear 	
Front NC	49mm
Front NT	54mm
Rear	29mm

NASQAR / NASTRUQ BODY POST EXTENDER POSTS & SLEEVES

NOTE: Truck Body requires 2 additional holes to be drilled for Posts #2 shown below.

- 1. Add Sleeve Bases, Sleeve Tubes, & Sleeve Caps (TPU), as shown below depending on NASQAR body or NASTRUQ body.



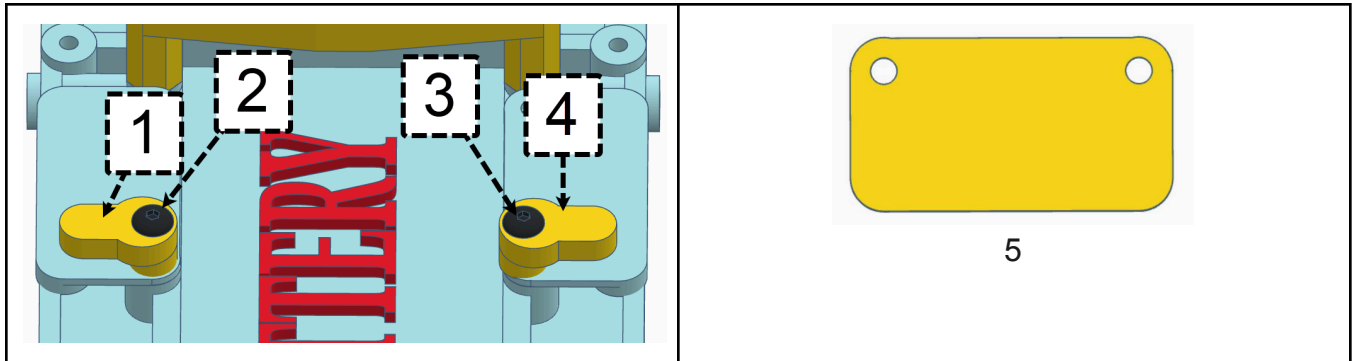
ITEM #	DESCRIPTION	NASQAR	NASTRUQ
1	Front Body Post	49mm	54mm
2	Sleeve Cap (TPU)	2mm	2mm
3	Sleeve Tube	15mm	2 x 10mm
4	Sleeve Base	15mm	15mm
5	Rear Body Post	29mm	29mm
6	Sleeve Cap (TPU)	2mm	2mm
7	Sleeve Tube	10mm	10mm

SIDE WIRE KEEPERS & BATTERY KEEPERS

Hardware for this section:

M3x16 BH (2)

M3x8 BH (2)

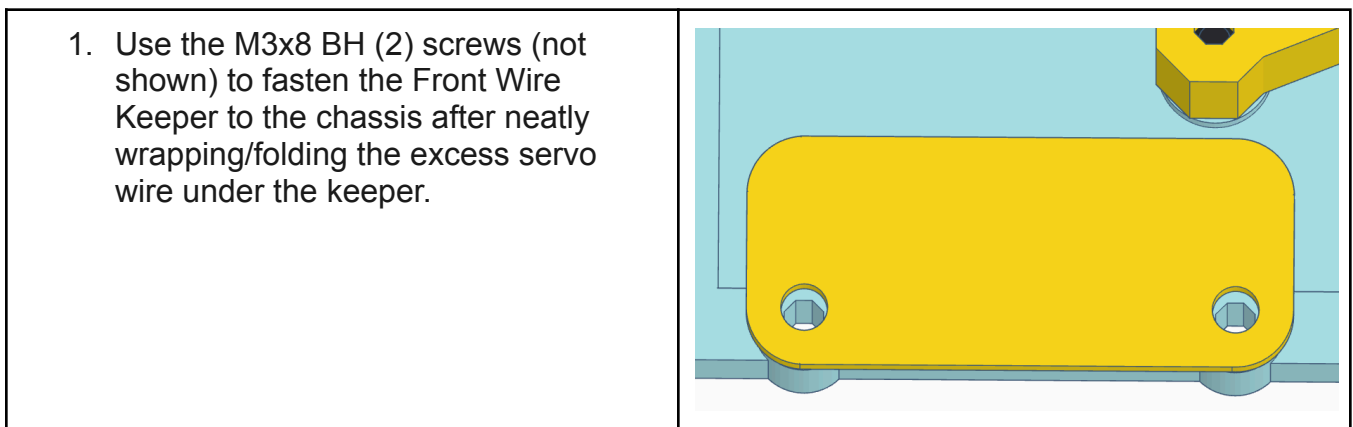


1. Battery Keeper
2. M3x16 BH - rear of side wire keeper
3. M3x16 BH - rear of side wire keeper
4. Battery Keeper
5. Side Wire Keeper
6. M3x8 BH (2) - front of side wire keeper (not shown above)

FRONT WIRE KEEPER (NEEDS UPDATED PICTURE OF WIRE KEEPER. I ALSO THINK THIS SHOULD GO ON JUST BEFORE THE TOE LINKS AS THEY ARE IN THE WAY HERE)

Hardware for this section:

- 1) M3x8 BH (2) - front wire keeper to chassis



MOTOR MOUNTING

M3x8 BH (1) - motor upper hole

M3x0.5 FW (1) - motor upper hole

M3x16 BH (1) - motor lower hole

M3x12 FW (1) - motor lower hole

REAR WHEEL MOUNTING

M3x10 CHR (6) - use 3 CHR per side to mount rear wheels

OTHER INFO

RECOMMENDED PARTS

- BittyDesign Ares-1 GT12 Body
- Kyosho #96504 15k Diff. Gear Grease

TUNING OPTIONS & MORE

- 123-140A-1 Center Link (soft)
- 123-140A-2 Center Link (medium, included in kit)
- 123-140A-3 Center Link (hard)

REQUIRED FOR COMPLETION: (not included)

- Battery
- Motor
- Front Tires
- Rear Tires
- Body
- Pinion Gear
- Radio System
- ESC