



# 112v31C GT12 CE Kit

(112-CE)

## Build Guide (25.03.03.01)

Needs bumper assembly  
NEEDS images updated

### CONTENTS:

#### PARTS

- 112v31C-31 Chassis
- 112v31C-33 Wire Keeper Set
- 112v31C-35-01 Cap Clamp
- 112v31C-37 Twistee (2)
- 112v31C-38 Battery Keeper (left & right)
- 112v31C-48 Side Link (2)
- 112v31C-51 Servo Keeper YE-0030
- 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)
- 112-102 BDGT12-AS1 Bumper (TPU)
- 112v31C-210 Front End Kit
- 112v31C-260 Rear Spool Kit
- 112v31C-310 Side Damper Kit
- 112v31C-330 Pod Kit
- 112v31C-340 Side Arm Kit

#### HARDWARE

#### ASSEMBLY STEPS

- **112-210B Front End Kit** (see sub-assembly specific instructions)
- **112v31C-260 Rear Spool Kit** (see sub-assembly specific instructions)
- **112v31C-310 Side Damper Kit** (see sub-assembly specific instructions)
- **112v31C-330 Pod Kit** (see sub-assembly specific instructions)
- **112v31C-340 Side Arm Kit** (see sub-assembly specific instructions)

#### 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 (2) - center hole in damper mount
- M3 NyLoc (1) - center hole in damper mount (top)
- M3x8 FH (2) - damper mount to pod

#### CHASSIS

- M3x25 FH (1) - center post to chassis
- M3 NyLoc (1) - center post (top)
- M3x10 FH (2) - front body posts to chassis
- M3x16 FH (2) - bumper to chassis to bumper keeper
- M3x8 FH (1) - center threaded ball to rear of chassis
- M3x5.5 TB (1) - chassis center pivot
- M3x6 BH (1) cap clamp to chassis
- M4x12 FH (4) - front arms to chassis
- M3x8 BH (2) - body posts to side arms
- 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
- M3x8 BH (1) - wire keeper to chassis (optional)
- M3x12 BH (1) - wire keeper to chassis (optional)

### **M3 Button Head Screws (BH)**

M3x6 BH (1)  
M3x8 BH (8)  
M3x10 BH (2)  
M3x12 BH (1)  
M3x16 BH (2)  
M3x20 BH (4)  
M3x25 BH (2)

### **M3 Flat Head Screws (FH)**

M3x8 FH (5)  
M3x10 FH (2)  
M3x16 FH (4)  
M3x25 FH (1)

### **M3 Washers, Nuts & Other**

M3 NyLoc (6)  
M3 FW (6)  
M3x5x4 TS (2)  
M3x5.5 TB (3)  
M3x5.5 BT (4)  
Body Clips (4)  
Small Zip-Tie (1)  
ZeroRings 1.5 (20)  
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

### **OPTIONAL PARTS (not included)**

- Sanwa PGS Servo
- 112-52 Servo Keeper SANWA
- 112-320 Center Damper Kit

### **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

- M3x8 BH (1) - battery keeper to chassis (optional, replaces 1 twistee)
- M3x5x4 TS (2) - center link to adjust chassis sag

### **SERVO KEEPER**

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

### **BATTERY TWISTEE ASSEMBLY**

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

### **POD**

- M3x20 BH (2) - fan guard thru fan to pod
- M3x8 BH (2) - motor to motor plate
- M3 FW (2) - motor to motor plate

### **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**

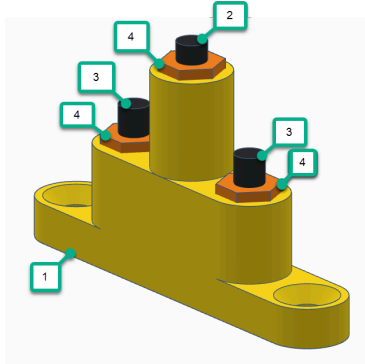
- 112-801 Yeah Racing YE-0030 Micro Servo
- 112-802 Yeah Racing Fan
- 112-803 Kimbrough #201 Servo saver
- Spur Gear
  - 112-805 AM664070 64P 70T Spur Gear
    - OR (depending on availability)
  - 112-804 RW Racing 64P 68T

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

**TUNING OPTIONS & MORE**

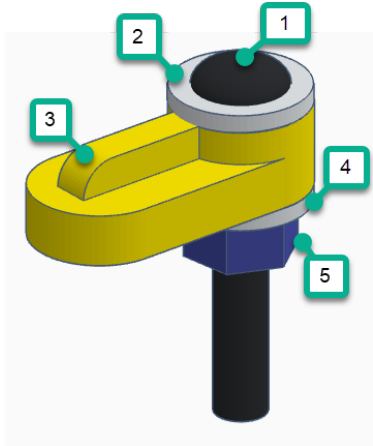
- 112-46 Center Link Set
- 112-320 Center Damper Kit
- 372503 Xray Servo Saver (required to use Sanwa servo)

**Damper Mount Assembly:**



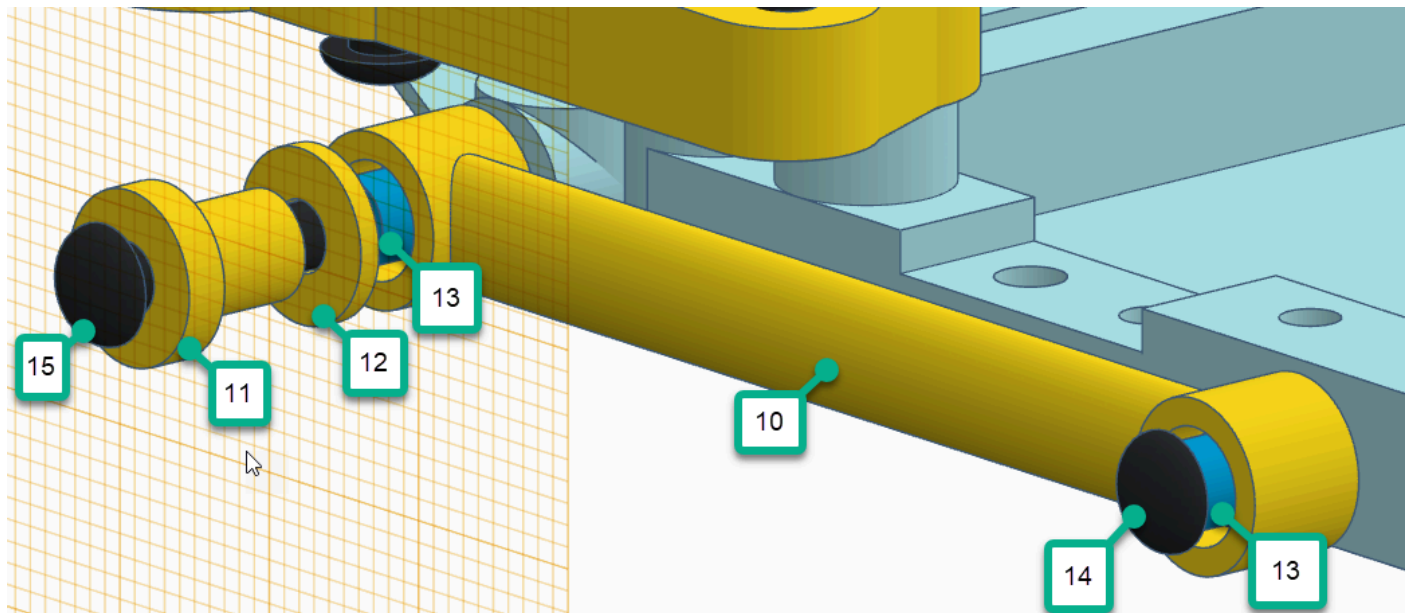
|   |                           |          |
|---|---------------------------|----------|
| 1 | Damper Mount              | 112-40   |
| 2 | M3 x 25mm Flat Head Screw |          |
| 3 | M3 x 16mm Flat Head Screw | 2 places |
| 4 | M3 NyLoc                  | 3 places |

**Battery Twistee Assembly:**



|   |                             |                    |
|---|-----------------------------|--------------------|
| 1 | M3 x 20mm Button Head Screw |                    |
| 2 | M3 Flat Washer              |                    |
| 3 | Twistee                     |                    |
| 4 | M3 Flat Washer              |                    |
| 5 | M3 NyLoc                    | Snug but not tight |

**Side Link Assembly:**



|    |                |  |
|----|----------------|--|
| 10 | Side Link      |  |
| 11 | Spindle        |  |
| 12 | Spindle Washer |  |
| 13 | Ball Tube      |  |
| 14 | M3x16 BH       |  |
| 15 | M3x25 BH       |  |

#### 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 Trimmer 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 Trim 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