Instruction and Assembly Manual

Version 1.5 (October 2016)
Thank you for purchasing this Atomic product. BZ is a high performance competition machine for 1:28 scale. Please read this manual in detail in order to have proper assembly of this product and wish you have fun with it.

**Tools Included:**

- 1.3mm Allen wrench
- Diff tool

**Tools Needed (Not Included):**

- Small Screw Driver
- 1.5mm Allen wrench
- 4.5mm Hex Nut Driver
- Hobby Knife
- 1.5mm Drill Bit
- 2.0mm Drill Bit
- #1500 Sandpaper

**Equipment required:**

- Car Body
- Radio System
- Ball Diff Oil
- Grease
- Rim
- Tire
- Battey
Build 2 sets

1. Attaching bulkheads

2. Ball differential

Polish the diff plate and thrust bearing plate with #1500 sand paper
3. **Attaching Rear Ball differential & Center Pulley**

- Drive belt (Short)
- Bearing hub
- 6x10x2.5 Bearing
- 16T Center Pulley
- M1.9x4PB
- Upper Bulkhead B (+0)
- Upper Bulkhead A (+0)
- 6x8 shims (About 0.2 mm)

**Attention:**
Add 0.2 mm shims at this side of outdrive cup.

4. **Attaching Front Ball differential**

- Drive belt (Long)
- Bearing hub
- 6x10x2.5 Bearing
- 6x8 shims (About 0.2 mm)
- M1.9x4PB (Silver)
- Upper Bulkhead B (+2.5)
- Upper Bulkhead A (+2.5)

**Attention:**
Add 0.2 mm shims at this side of outdrive cup.
Make sure the carbon top deck can be easily put on the bulk head, otherwise, use sand paper to trim the end of top deck.

Adjust the bearing hub position to adjust belt tension. Middle is the recommended.

Attention:
Installation direction

Make sure to adjust the bearing hub position to adjust belt tension. Middle is the recommended.

P. 3
**Attaching Servo Mount**

- **Linkage assembly**: 2.5mm Ball end
- **1.5x11 set screw**

**Steering System**

- **Servo Mount A**
- **Servo Mount B**
- **Servo (AMZ-OP024)**
- **Servo horn**

**Attention:** Installation direction

- **Quick**
- **Smooth**

- **Attention:** Chamfer

- **Planar**

- **Motor pinion**
- **Spur gear**

**Carefully adjust the position of pinion, make sure it does not touch the front belt.**

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**Attaching Spur gear & Motor gear**

**Motor pinion**

- **Spur gear**

**Carefully adjust the position of pinion, make sure it does not touch the front belt.**

**Motor Pinion**

- **Motor**

**Spur Gear**

<table>
<thead>
<tr>
<th>Spur Gear</th>
<th>Motor gear</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>54</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>6.75</td>
<td>6.30</td>
<td>5.91</td>
<td>5.56</td>
<td>5.25</td>
<td></td>
</tr>
<tr>
<td>58</td>
<td>7.53</td>
<td>6.99</td>
<td>6.53</td>
<td>6.12</td>
<td>5.76</td>
<td>5.44</td>
</tr>
</tbody>
</table>

*(5.91 is recommended for 5000KV motor)*
Axles assembly

- 3x5 shims
  - About 0.2~0.3mm
- 3x6x2 Bearing
- Linkage Ball 4mm (AMZ011)
- Steering block

CVD assembly

- 1x5.5mm
- Lock collar
- Cross joint
- Swing shaft
- Wheel axle

Attaching Front arms

- 1.2x3PB x2
- 2x12mm
- Linkage Ball C
- Camber arm

Attaching Tie Rod

- 2.5mm Ball end
- 1.5X11mm Turnbuckles

Build 4 Sets

- After assembly
- Make sure the wheel rotate freely.
- Insert shims to adjust the play of CVD

Build 2 Sets

- L/R
- 1.2x3PB
- 0.7mm

Attention:

- Installation direction
- Planar
- chamfer
- chamfer
- Planar

Build 2 Sets

- 6.5mm

Build 4 Sets

- P.5
12 Attaching Rear arms

- 1.2x3PB x2
- 2x4KM x2
- 2x4PB x2

13 Attaching Grease shock

- 2x4KB x4

We recommend to apply #30000 Different Grease to the shocks.
14 Attaching other parts

- Speed controller w/ RX
- Double-sided Tapes
- 2x4KB x3
- 2x4PB x2

15 Attaching Front Body Mount

- 2x6KB x2

Caution:
Trim the front body mount a little bit to give space for the front belt.

Not included
Trim this part to avoid the touch of front belt

2x6KB
End of Assembly