LIBRE BUGGY ASSEMBLY INSTRUCTIONS:

- Lay out all buggy parts
- **** IMPORTANT NOTE !!! . Apply ANTI-SEIZE LUBRICANT on threads of all stainless steel bolts before installation!!!!**

STEP 1

Attaching sidebars to down tube.

- **On V-max and Full Race:**
  - Loosely connect (just enough to get nut threaded) the two sidebar mounting bracket together.
  - Slide down tube between sidebar mounting brackets.
  - Tighten loosely. Once buggy fully assembled, loosen bolts to set length, then tighten firmly.
- **On Special / V2A:**
  - Align side bar mounting brackets with holes on down tube corresponding to desired length.
  - Affix with nut and bolt.

STEP 2

- **Attaching sidebars to rear axle.**
  - **On V-max and Special / V2A:**
    - Align side bar mounts to rear axle mounts and attach.
    - For increased clearance attach with axle mounts up.
    - For lower clearance attach with axle mounts down.
  - **On Full Race:**
    - As above but the toe in/out bracket sits between side bar mount and rear axle mount.
    - Toe in/out bracket needs to be tightened very firmly to hold position.
    - (Look at setting toe in/out section for specific instructions)

STEP 3

- **Attaching foot pegs:**
  - **On Special and V-max:**
    - To match foot pegs as left / right, notice one foot peg has nut and bolt attached to peg while other peg has nut and bolt attached to fork.
    - Attach foot pegs to respective sides and tighten firmly.
    - **Play in the foot pegs is normal, no need to tighten further**
  - **On Full Race:**
    - As above.
    - Foot pegs have position options (forward, up, back). Most common position is up.
    - (Refer to setting foot pegs for specific instructions)
  - **If you have foot straps**: (all models)
    - Before attaching foot peg, take the one half of the foot strap with sewn loop and slide over foot peg mount on fork.
    - Now attach foot peg.
    - The other end of foot strap screws into the end of foot peg if not already attached. Make sure this screw is tight and check periodically.
    - Set foot strap size using the Velcro.
    - To holds foot strap open for easier access. Tie the support string around fork and loop crated by foot strap to desired tension.
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- **Attaching Front wheel:** Usually comes assembled.
  - If not: (all models)
    - Remove bolt and spacers from front fork.
    - Place wheel between forks.
    - Replace bolt with spacer in following configuration (fork – spacer – rim – spacer – fork)
- **Attaching Rear wheels:**
  - On Special and V-max:
    - Firmly tighten nut and bolt onto rim
    - Attach wheel to axle and firmly tighten.
  - On Full Race:
    - As above.
    - Very firmly tighten Camber brackets. Camber is generally set to vertical.

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- **Attaching / Adjusting Seat:**
    - On all models
        - Seats have various straps to adjust seat for height, center of gravity and overall comfort.
        - Seats must be adjusted individually to ones preference.

- **Attaching Spray Skirt: (all models)**
        - Usually attached at neck. If not, tie around bottom of neck. Allow adequate space for forks to turn completely without pushing against skirt.
        - Loop the elastic straps around one of seat straps. Using buckle, set tension to hold skirt against buggy.

Special Istructions:

Setting Camber:

- Ideally set up is done on flat surface and a square and tape measure are used.
- Loosen camber bracket so that wheel can be tilted.
- Tilt / camber wheel to desired angle and tighten camber bracket.
- Using square and tape measure, measure the distance between the square and tire.
- Now set camber on other wheel by tilting the wheel until the distance between the square and tire matches first wheel.

Setting Toe In / Out:

- Ideally, set up on surface where tire tracks are clearly visible (ie. sand) and a ribbed tire is used in cambered position.
- Loosen toe in/out brackets so movement in bracket can occur.
- You will notice that the wheels toe in when axle rotated forward and toe out when axle rotated backwards.
- Rotate axle till wheels appear to be at right angle to rear axle, tighten toe brackets.
- Determining toe angle:
    - Hold buggy in straight line as someone pushes the buggy.
    - Examine the tracks left by the each rear wheel for signs of:
        - toe out – outside of each tread line is rough and sand is kicked to outside
        - toe in – inside of each tread line is rough and sand is kicked to inside
- Correcting toe angle:
    - Draw line on toe bracket to mark current toe bracket position.
    - Loosen toe bracket and rotate axel to correct for toe:
        - if toe out then rotate axel forwards
        - if toe in then rotate axel backwards
        - tighten toe bracket in new position
    - Recheck toe angle and repeat process till you have eliminated toeing of wheels.
- Once toeing has been eliminated mark toe brackets for future reference. Now you can camber wheels or leave vertical without needing to check toeing again.