

# Assault Air Bike Monthly Repair/Check List

## Tools Needed:

22mm Wrench  
15mm Wrench  
13mm Wrench  
10mm Wrench  
22mm Socket Wrench  
8mm Hex Wrench  
6mm Hex Wrench  
Loctite Glue

## Step 1: Handlebar Assembly Check

Tighten the handlebar assemblies using a 22mm wrench. Tighten these down as tight as possible for both sides. Next tighten handlebar assembly peg nut with 22mm socket Wrench. Note: There will be a little play in these arms after tightening but this is normal.

### Handlebar Assembly

Tool: 22mm Wrench



### Handlebar Assembly Peg

Tool: 22mm Socket Wrench



## Step 2: Linkage Arm Check

Tighten the linkage bolts and nuts using a 6mm Allen wrench and 13mm wrench. Tighten these parts snug, but do not over tighten or keep tightening. Note: There will be a little play in these linkages after tightening, but this is normal. Some units will have a 22mm nut instead of a 13mm nut.

### Linkage Assembly

Tool: 6mm Allen Wrench



Tool: 13mm Wrench



### Step 3: Crank Arms Check

Tighten the crank arm and bell crank bolts using an 8mm Allen wrench. If not previously done, please remove bolt and add Loctite to the bolt/threads for each of these crank arms and retighten tight them snugly. Note: It is recommended to use red Loctite on these threads.

### Crank Arm & Bell Crank Arm Assembly

Tool: 8mm Allen Wrench

Tool: Loctite (Red Color)



#### **Step 4: Pedal Check**

Tighten the pedals with a 15mm wrench. The right side pedals will tighten “righty tighty” and the left side pedal will tighten “lefty tighty”, the left pedal is counter threaded and has an opposite thread pattern.

#### **Left & Right Pedal Assembly**

**Tool: 15mm Wrench**



## Step 5: Chain Adjusting Check

Check the two drive chains to make sure they are equally tight. Each chain should have just a slight flex to it, but it should also not be tightened too much. First check the main rear chain and adjust the tension if needed. Proper chain tension is about 3mm of movement up and down or a slight up and down movement.

### Chain Adjustment Check

Tool: 15mm Wrench



Tool: 10mm Wrench

To adjust the chain, use the 15mm wrench to loosen the crank axle nut by rotating the wrench counter-clockwise. Once the axle nut is loosened use the 10mm wrench to turn the chain tensioner nut clockwise or counter-clockwise to adjust the tension. Repeat the process to the front tensioner and check the tension on each chain again. Adjust each section to get the proper alignment. Once you get the proper chain tension, tighten the 15mm axle nuts. Make sure the tension remains the same while tightening the axle nuts. If the tension is too much, loosen the 10mm nut slightly to release slack until it is equal.

