

This article lists the tools & equipment that is required for repair and servicing of XE-1 Hydrofoil Bikes

## **TOOLS LIST**

- 1.1 Hex Key 2.5 mm with flat end**
- 1.2 Hex Key 3 mm with flat end**
- 1.3 Hex Key 4 mm with flat end**
- 1.4 Hex Key 5 mm with rounded end (for front tiller strut)**
- 1.5 Hex Key 5 mm with flat end (for all other applications)**
- 1.6 Hex Key 6 mm with rounded end (fasten rear foil)**
- 1.7 Hex Key 8 mm with flat end**
- 1.8 Hex Key 10 mm with flat end**
- 1.9 Long Nose Pliers**
- 1.10 External Circlip Pliers**
- 1.11 Open/Combination Wrench 17 mm**
- 1.12 Pedal Wrench – Park Tool PW4 Professional Pedal Wrench 15 mm**
- 1.13 Open / Combination Wrench 19 mm**
- 1.14 Crank Removal Tool (ISIS) – Park Tool CCP-44**
- 1.15 Chainring Locknut Removal Tool (Manta5 JP00025)**
- 1.16 Adjustable Wrench  $\geq$  40 mm Jaw Opening**
- 1.17 Torque Wrench 3/8" Drive 19-110Nm (Toptul or equivalent)**
- 1.18 Torque Wrench 1/4" Drive 5-25Nm (Toptul or equivalent)**
- 1.19 Park Tool Adjustable Torque Driver ATD-1.2**
- 1.20 Heavy Duty E-Bike Repair Stand (anchored)**
- 1.21 Workshop stand with mounted shoe**

**1.22 General stand with mounting shoe for Work in Progress bikes**

**1.23 Bike stand with horizontal bar for storage of assembled bikes**

**1.24 Battery powered drill**

**1.25 Jobber Drill Bits Set Metric**

**1.26 Chain Whip, ideally with extended chain (To hold the chainring while loosening spider locknut)**

**1.27 Rubber Mallet with small head (used to advance cranks onto motor axle spline)**

## **EQUIPMENT**

**1.1 Press or method to insert bearings to Fork Leg**

**1.2 Workbench with mounted vice including soft jaws**

## **CONSUMABLES LIST**

**1.1. Rocol Chain Lubricant**

**1.2. Loctite 242 (medium strength thread locker used on threaded screws)**

**1.3. Loctite 680 (bearing retaining compound)**

**1.4. ECO Gear Oil (Biodegradable Gearbox Oil)**

**1.5. IPA solvent**