

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