



## North York Moors National Park Cycling Friendly Scheme



## Recommended Tools

## Cycling Friendly Recommended Tools and Equipment

The following tools are considered a basic requirement as part of the North York Moors National Park Cycling Friendly initiative. Some businesses may already have tools and wish to add specific items they don't have and some may wish to purchase them all, in which case the toolkit(s) cover most items with a note to say which extra items are still needed.

**We recommend speaking to your local or favourite bike shop about supplying the tools at preferential rates in return for you promoting them** (i.e. these tools are supplied in association with XYZ Bike Shop) and we have a grant scheme that operates on a first come first served basis which can fund 50% of costs as long as it is for new products and services. If you don't have a local bike shop then you can search online for the best deal.

It is important that you provide good quality tools that will last so it saves you money and prevents damage to bikes due to worn tools. It is also important that you also make it clear that customers use the tools at their own risk and if they are at all unsure, they should arrange to have their bike collected and taken to a local bike shop.

This list below gives examples and links to online pricing for illustration. Other brands are obviously available and as mentioned, wherever possible we recommend linking up with your nearest/favourite bike shop as this supports the local economy and the cycle initiative in general. If you're unsure about particular items, contact Mike Hawtin (m.hawtin@northyorkmoors.org.uk).

<b>Essential Criteria</b>	
<p><b>Toolkits Examples (ask your local bike shop for their recommendations or ask Mike about sourcing).</b></p> <p><b>Shimano Pro Toolbox - small</b> (rrp £150). Includes Cone wrenches 13/14/15/16, pedal wrench, chain tool, cable cutter, BB remover tool, Hollowtech 2, BB remover cartridge, cassette removal set, cranktool, spoke wrenches 3.6/3.75/4/4.4, Hex and torx set, brake piston lever, screwdriver PH2, screwdriver flathead. <b>Extra item(s) needed – chain link pliers</b></p> <p><b>X-Tools Pro 39 Piece Tool Kit</b> (rrp £125 online for £99) Includes 2 in 1 crank extractor - Square taper and splined cranks, 15mm pedal wrench, Cable cutter, Cartridge bottom bracket tool, Cassette cleaning tool, Cassette remover, Chain cleaner, Chain rivet extractor, Chain whip (7 to 10-Speed compatible), Chainring nut wrench, Cleaning brush, External bottom bracket wrench - Shimano Hollow Tech II®, Campagnolo®, Chris King®, FSA®, Race Face®, SRAM®, Truvativ®, Measuring tape, Magnetic collector tray, Torx 25 wrench, Tyre levers, Spoke Wrenches: 3.2, 3.3 and 3.5mm, Screwdrivers: Philips 1, Philips 2 and 5 slotted heads, Cone Spanners: 13, 14, 15, 16, 17, 18, 19mm, Hex Wrenches: 2, 2.5, 3, 4, 5, 6, 8mm <b>Extra item(s) needed – disc brake piston spreader, 10mm allen key, chain link pliers</b></p>	



### **Puncture repair kit**

The 'old fashioned' kits are the best with patches, sandpaper and glue rather than the newer self-adhesive patches. It may take a bit longer but they last and if they're at your café, they can have a brew and more cake while they wait!

Park Tool VP1 Puncture Repair Kit rrp£3.99

LifeLine Puncture Repair Kit rrp£1.99

### **Floor Standing Track Pump**

Park Tool Home Mechanic Floor Pump rrp£34.00

LifeLine Essential Track Pump rrp £15.00

Your local bike shop may be able to offer alternatives. Just make sure it is compatible with both presta and schraeder valves.

### **Workstand**

Park Tool Home Mechanic Repair Stand PCS-9 or PCS-10 rrp£115-£175 (often on offer)

X-Tools Home Mechanic Prep Stand – rrp£89.99

Any of the above workstands are good quality. You could source an alternative (remember super cheap wont last!) or you could make a timber or metal frame with a horizontal cross piece to hook the saddle of the bike over, similar to the designs shown below

<https://www.singletracks.com/blog/beginners/easily-build-cheap-multi-bike-hanging-storage-rack/>



Top Tip! Remember some soft cloth or pipe lagging to wrap around the bike frame or seat tube whilst in a workstand.

### **Individual items**

If purchasing separately, adding to a kit or replacing an item.

Allen/Hex Keys

Covering the following sizes 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, and 6mm plus 8mm and 10mm

Suggested: Park Tool Fold-up Hex Wrench Set AWS-10

<p>(<a href="http://www.chainreactioncycles.com/park-tool-folding-allen-key-set-aws-10/rp-prod109310">http://www.chainreactioncycles.com/park-tool-folding-allen-key-set-aws-10/rp-prod109310</a> ) plus separate 8mm and 10mm allen keys or separate set such as X-Tools Allen Key x 9 Ball End Set (<a href="http://www.chainreactioncycles.com/x-tools-allen-key-x-9-ball-end-set/rp-prod10192">http://www.chainreactioncycles.com/x-tools-allen-key-x-9-ball-end-set/rp-prod10192</a> )</p>	
<p><b>Torx Set</b>          covering the following sizes T7, T9, T10, T15, T20, T25, T27, T30 and T40</p> <p>Park Tool Fold-up Torx Wrench Set TWS2          (<a href="http://www.chainreactioncycles.com/park-tool-fold-up-torx-wrench-set-tws-2/rp-prod13251">http://www.chainreactioncycles.com/park-tool-fold-up-torx-wrench-set-tws-2/rp-prod13251</a> ) or separate set such as X-Tools Torx Star Key Set – Long          (<a href="http://www.chainreactioncycles.com/x-tools-torx-star-key-set-long/rp-prod122323">http://www.chainreactioncycles.com/x-tools-torx-star-key-set-long/rp-prod122323</a> )</p>	
<p><b>Screwdrivers</b>          Pozidrive size 1 &amp; 2          Flat blade small &amp; medium</p>	
<p><b>Cable Cutters</b></p> <p>Good quality cable cutters for cutting brake and gear cables.</p> <p><a href="http://www.wiggle.co.uk/park-tool-professional-cable-and-housing-cutter-cn-10/">http://www.wiggle.co.uk/park-tool-professional-cable-and-housing-cutter-cn-10/</a>  <a href="http://www.wiggle.co.uk/x-tools-pro-cable-cutter-blueblack-one-size/">http://www.wiggle.co.uk/x-tools-pro-cable-cutter-blueblack-one-size/</a></p>	
<p><b>Disk Brake Piston Tool</b></p> <p><a href="http://www.wiggle.co.uk/x-tools-pro-brake-piston-press-one-size/">http://www.wiggle.co.uk/x-tools-pro-brake-piston-press-one-size/</a>  <a href="http://www.wiggle.co.uk/x-tools-pro-brake-piston-press-one-size/">http://www.wiggle.co.uk/x-tools-pro-brake-piston-press-one-size/</a></p>	
<p><b>Spanners</b></p> <p>Small adjustable spanner or set</p> <p><a href="http://www.chainreactioncycles.com/x-tools-adjustable-wrench-6-/rp-prod11143">http://www.chainreactioncycles.com/x-tools-adjustable-wrench-6-/rp-prod11143</a>  <a href="http://www.chainreactioncycles.com/park-tool-12-inch-adjustable-wrench-paw-12/rp-prod12341">http://www.chainreactioncycles.com/park-tool-12-inch-adjustable-wrench-paw-12/rp-prod12341</a>  <a href="http://www.chainreactioncycles.com/x-tools-spanner-set/rp-prod10191">http://www.chainreactioncycles.com/x-tools-spanner-set/rp-prod10191</a></p>	
<p><b>Pedal Spanner</b></p> <p><a href="http://www.chainreactioncycles.com/x-tools-pro-pedal-wrench-2018/rp-prod163778">http://www.chainreactioncycles.com/x-tools-pro-pedal-wrench-2018/rp-prod163778</a>  <a href="http://www.chainreactioncycles.com/park-tool-home-mechanic-pedal-wrench-pw-5/rp-prod12332">http://www.chainreactioncycles.com/park-tool-home-mechanic-pedal-wrench-pw-5/rp-prod12332</a></p>	
<p><b>Crank Remover/Puller</b></p>	

<http://www.chainreactioncycles.com/pedros-universal-crank-remover-with-handle-aw17/rp-prod164939>

<http://www.wiggle.co.uk/park-tool-compact-crank-wrench-and-puller-cwp-7/>  
(use this one with a separate adjustable spanner)

## **Spares**

**Not compulsory and should be charged for**

### **Inner Tubes**

Road: 700c x 20-28 or 18-25. 700c x 28-35 (60-80mm valve)

MTB: 26 x 1.75-2.4 presta\* 27.5/650b x 1.75-2.4 presta\* 29 x 1.75-2.4 presta\*

\*Just buy tubes with Presta valves as they will also fit wheels designed for Schrader valves. Schrader tubes won't fit rims drilled for Presta valves.

Note: You only need to stock one or two of each and local bike shops should be able to do you a trade deal with inner tubes costing around £2-£3 each which you can sell at retail price

### **Gear Cables**

Road and MTB – same so only need 1 or 2

<http://www.chainreactioncycles.com/lifeline-essential-inner-gear-cable-shimano-sram/rp-prod155236>

### **Brake cable (only need 1 or 2 of each)**

Road (only need 1 or 2)

<http://www.chainreactioncycles.com/clarks-road-stainless-steel-inner-brake-wire/rp-prod47688>

MTB

<http://www.chainreactioncycles.com/clarks-mtb-stainless-steel-inner-brake-wire/rp-prod47687>