

## MAKING A ROUTE SHEET HOLDER

Self-guided Adventure rides in NZ most often provide riders with a strip route sheet rather than expensive GPS mapping. Being DIY Kiwis we developed our own cheap and cheerful number 8 system of home made rolling route sheet holder.

In Europe even the brackets are complex devices in the form of CNC milled alloy works of engineering, complete with electric motors and handle bar buttons for scrolling. Just as you wouldn't play beach cricket with a Gun and Moore, when a bit of drift wood is good enough to whack a tennis ball into the sea, nor would any self respecting Kiwi spend 200 Euro on something he could knock up in the shed for pocket money. Instead raid the kitchen cupboard for one of the kid's plastic lunch boxes – or at a pinch hit the local Payless Plastics for a new lunch box and on the way home pop into Mitre 10 for a length of dowel and a few odds and ends of hardware.

Adventure organisers prepare route sheets with boxes of instructions, each with a basic pictogram and the relevant distance in kilometers. These are set out in three columns on an A4 sheet of paper to be cut and joined (by the riders) with cellotape to form the strip route sheet. In most cases about 200-300 km of instructions can be rolled onto a route sheet holder at a time. To scroll through the instructions you simply turn the knobs on the left side of the box. The box is mounted on the left side of the bars, making sure the odometer can be easily read and re-set. My box uses P clips to mount to the handle bar cross bar. If you don't have a cross bar you will need to fabricate a bracket from some convenient point. In this case I bin the left mirror and use this as a fixing point for a 20x 4 mm strip of alloy to mount the box.

### INSTRUCTIONS *(pics in order)*

1. All the bits you need. 170x120 mm Systema lunch box, two rubber door stops, 10 mm dowel or alloy rod, 2x 12 mm washers, 2x split pins, 2x 6mm x 60 mm bolts, 4x 6 mm penny washers, 2x 6 mm nuts, 2x 6 mm wing nuts, 2x electrical P clips, 1x stout rubber band.
2. Mark out and drill four 10.5 mm holes for the dowels, each 75 mm in from the end and 75 mm up from the bottom of the box. Go gently, the drill can catch!
3. Measure and cut two rollers from the dowel. Drill out the centres of the door stops to allow a push fit onto the dowels.
4. Drill small holes in the dowels for the split pins.
5. Drill and fit the two 6mm mounting bolts with penny washers either side.
6. Fit the 12 mm washers and split pins to the dowels. Mount the P clips.
7. Fit a strong rubber band to stop the dowels rotating under vibration.
8. Fit the route sheet holder to the left side of the cross brace.
9. Roll the route sheet onto the rollers fixing both ends with a strip of tape.
10. Ready for Adventure.