

Bracketry kit for tachometer hall switch and magnet (TCH) - Boxford VSL

Fitting steps, hints and tips

For the magnet bracket

1. Sounds daft, but check if one side of the magnet works better than the other **BEFORE** pressing it into the band (it did on mine). The good strongest side into the hole first so it will be pointing nearest the sensor.
If you have already shoved it in and not working well, then poke something sharp like a scribe through the centre of the plastic to push it out and re-orientate.
2. To fit the band (with magnet installed), move the spindle shaft/gear until the two protruding grub screws are upper most.
3. Set the put the reverse gears in a mid-position to create a narrow gap all around the spindle shaft/gear.
4. Note the internal slots on the band, the slotted side of the band needs to go on first with the slots aligned with the grub screws (this will keep the band moving with the shaft).
5. Push the band on squarely, over the spindle gear, small pushes all the way round/opposite points using a not to sharp large flat blade screw driver, punch or similar. This is a friction press on fit so will be snug. Warming the plastic in your hands/pocket may help (don't go above 50°C). The band will stop when the grub screws bottom out in the internal slots.
6. Re-engage reverse gear.

For the tachometer hall switch bracket

7. Try pushing the bracket on the end of the bearing cap (should be a snug fit).
8. Remove and loosely fit the sensor into the bracket with its washers and nuts. The sensor should only protrude a 2-3 mm beyond the nut and any indicator light outward/cable inboard.
9. Push on the bracket and sensor and rotate if necessary to align c'sink holes
10. Rotate the spindle by hand to check for clearance between sensor and magnet.
Obviously closer the better but at least 1mm gap is recommended.
11. Tighten up the sensor nuts and re-check clearance.
12. Fit retaining screws (not supplied) if necessary.

Please note, this is a new product and there is a chance lathes may vary. If you have any problems fitting or improvement suggestions, please don't hesitate to phone or email and we will endeavour to rectify/replace and fix any problems or improve the design.

Jordan Engineering

t: 07790 406 334

e: chris.jordan@jordanengineering.co.uk

w: <https://jordanengineering.co.uk>