

## Frequently Asked Questions RPS Replacement

Date Raised: 28/11/04

Safe practises should always be employed to ensure the Health and Safety of yourself, employees and customers (if applicable) Refer to product manuals, exploded drawings and our website if further assistance is required, or contact us on [service@teknatool.com](mailto:service@teknatool.com)

Date Amended: 10/6/14

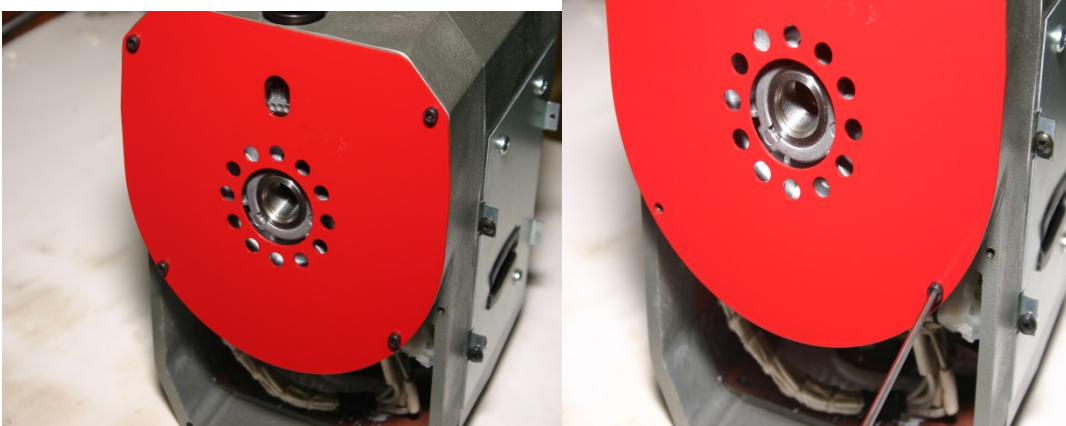
RPS State Error relates directly to the sensor. If the first procedure of cleaning out the dust is unsuccessful then this procedure should be used.

### Tools Needed

- 1 X Phillips screw driver
- 1 X 4mm Allen Key (DVR 3000)
- 1 X 2.5mm Allen Key (DVR XP/2024)
- 1 X 5mm Allen Key (DVR XP/2024)
- 1 X mallet (soft face)
- 1 X Drift

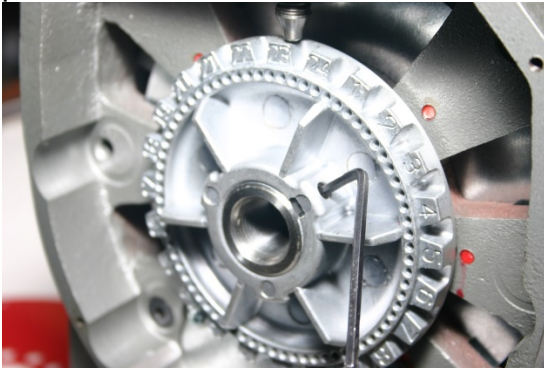
The first step is to make sure the machine is unplugged and has been powered off for at least 15 minutes to make sure the electronics have no energy still stored.

Use the 4mm (2.5mm for DVR XP/2024) Allen key to remove the 4 cap screws holding the back plate on, removing this plate will expose the fan.



4 x hex socket screws holding plate in place DVR 3000, 8 x screws DVR XP/2024

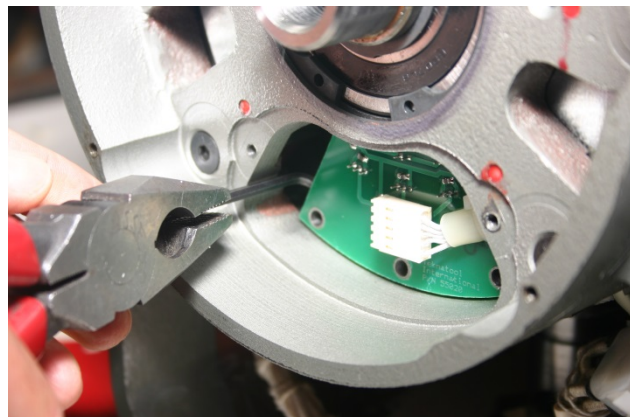
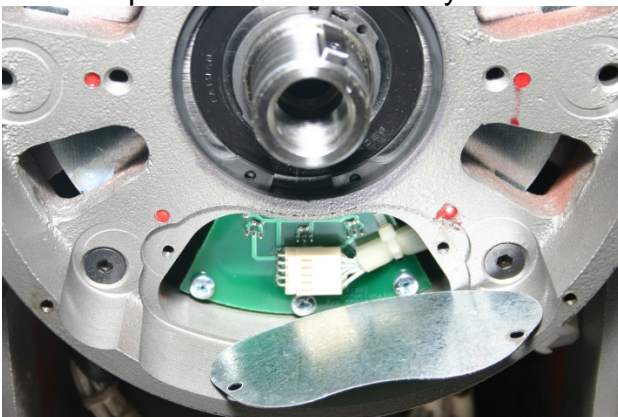
Next you have to remove the fan so the sensor plate can be removed. Using the 4mm Allen key again unscrew the M6X6 grub screw on the side of the fan. With the grub screw loose you can now pull the fan off the shaft. If the fan is tight use two wedges to bring the fan out using even pressure on both sides.



Now with the fan removed a plate covering the sensor will now be removed. Using the Phillips screw driver (5mm Allen Key for DVR XP/2024) unscrew these screws to remove plate.

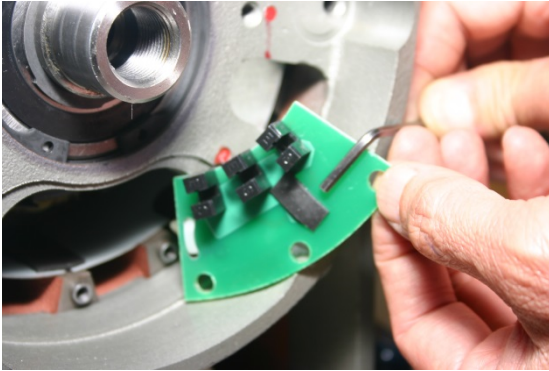


With the plate removed carefully lever out the board.

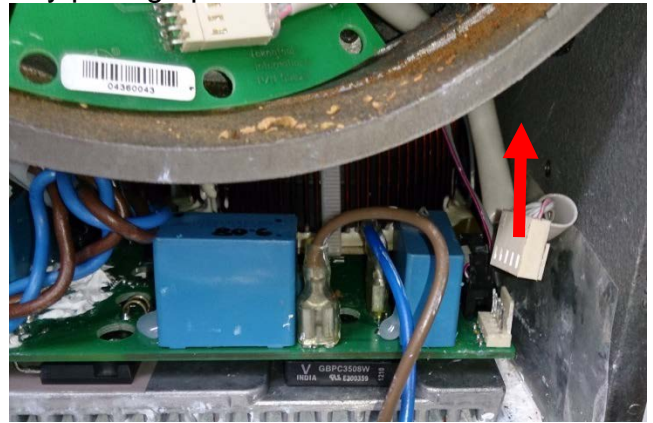
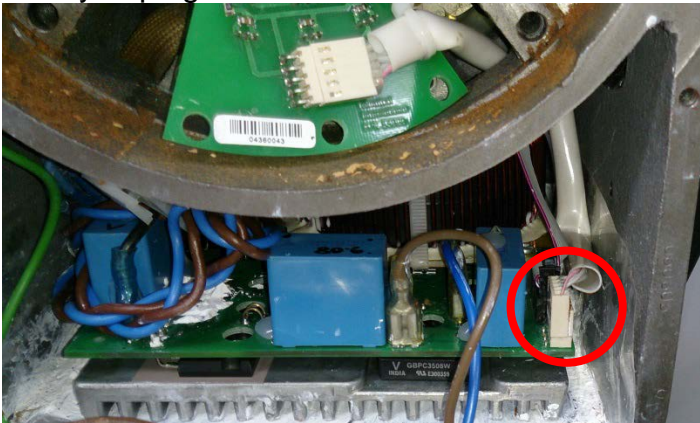




The picture shows the underneath of the board, touching any black parts with the lever is not advised.



Gently unplug the sensor cable from the main board by pulling upward

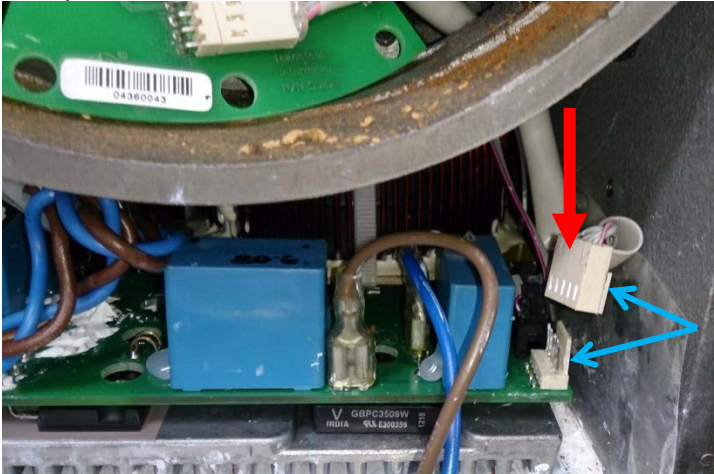


Remove the sensor board by gently pulling its cable through the hole in the headstock casting.



Feed the replacement sensor back through the same hole.

Connect the sensor to the main board by vertically inserting the connector into the main board receptacle



Now with the sensor board can be place back into the head stock. With the board sitting use a drift and soft faced mallet to lightly tap where the screws go in. This is to make sure that the board sits flat and no damage occurs will trying to put the screws in.



Using drift to lightly tap board flat onto its locating dowels.

Now make sure that the cord connecting to the sensor has no slack in the top area, pull it down to the lower control board area to make sure the position disc doesn't catch it.

Now working backwards through the steps re -assemble the headstock.←