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Frequently Asked Questions RPS State Error – Step 2

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

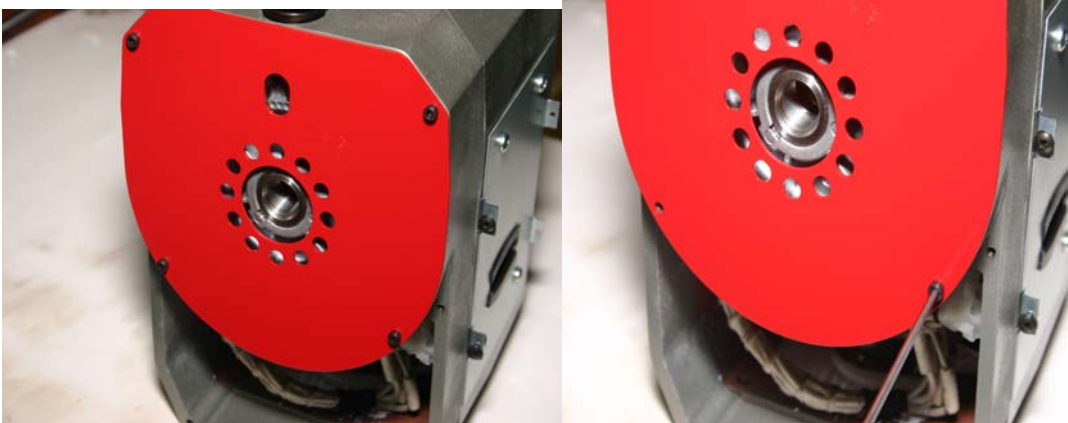
Date Amended:

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. Due to such activates as sanding there may be a heavy covering of dust on the sensors. This will need to be removed and cleaned.

Tools Needed

- 1 X Phillips screw driver
- 1 X 4mm Allen Key
- 1 X mallet (soft face)
- 1 X Drift

The first step is to use the 4mm Allen key to remove the 4 cap screws holding the back plate on, removing this plate will expose the fan.



4 x cap screws holding plate in place†

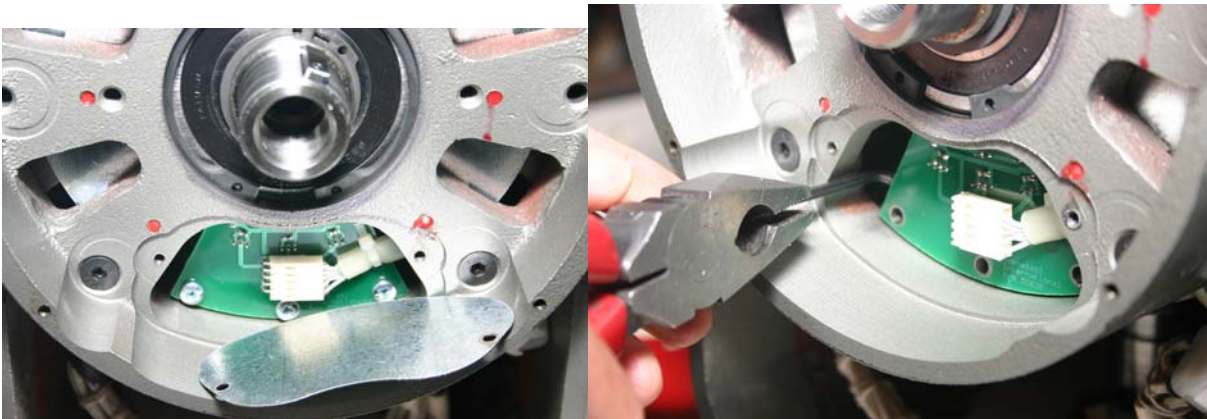
Next you have to remove the fan so the sensor plate can be removed. Using the 4mm Allen key again unscrew the M6X6 grub screw on the side of the fan. With the grub screw loose you can now pull the fan off the shaft. If the fan is tight use two wedges to bring the fan out using even pressure on both sides.



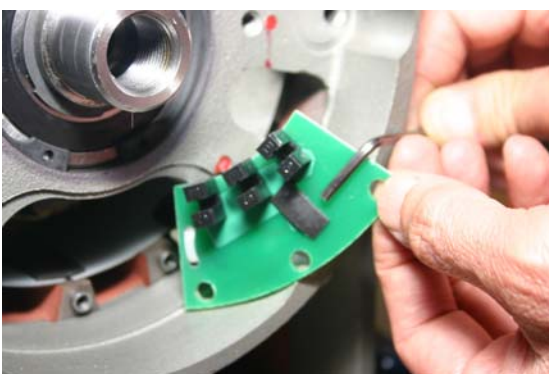
Now with the fan removed a plate covering the sensor will now be removed



Using the Phillips screw driver unscrew these screws to remove plate.



With the plate removed carefully lever out the board. **WARNING** - using too long a lever may cause damage to the sensors and/or board; the picture shows the underneath of the board, touching any black parts with the lever is not advised.



Now with the board use a cotton bud/cotton cloth to simply wipe away any dust that has collected on the U shaped sensors.

Now with the sensors all clean the 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.

Now make sure that the cord connecting to the sensors must have no slack, 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.←