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## Frequently Asked Questions

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Safe practices 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)

## How to Perform a Rotor Position Test on NOVA DVR Saturn lathe

- 1 Turn the lathe on and enter Service Mode.

Refer to '**How to enter Service mode on NOVA DVR Saturn**' for instructions on entering service mode.

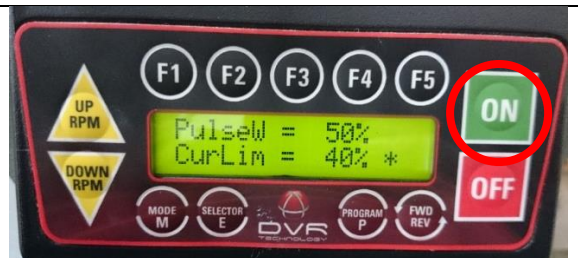
- 2 Hold down the following keys in the order shown:

1. <MODE M>
2. <FWD/REV>
3. <DOWN RPM>



- 3 Press <ON> to begin the RPS test.

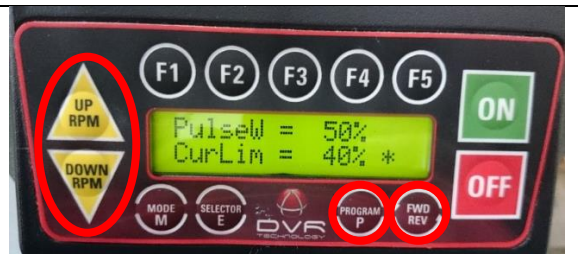
Note: There may be a humming sound once the test has begun – this is normal



- 4 Using the <UP> and <DOWN> keys to change the value and <F/R> key to navigate the cursor, modify the parameters shown on the screen to match the following:

**PulseW = 50%**  
**CurLim = 40%**

Press <Program P> to move to the next page



Change  
parameter  
values

Move to  
next page

Change  
selected row

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(a) Select **"Ph Energised"** and change the parameter between A, B and C, while taking note of the **"RPS Cond."** output.

(b) Manually turning the spindle anti-clockwise should also change the **"RPS cond."** parameter. The output should change 24 times per revolution, take note of the **"RPS cond."** output.

The correct output combinations for (a) and (b) should match the following:

Ph Energized	RPS cond.
A	B or AB
B	C or BC
C	A or AC

If the **"RPS Cond."** matched the **"Ph Energised"** parameter in the table above for part (a) and (b) then the motor has passed the test!



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Press the **<OFF>** button and then turn the lathe off to clear interim settings.