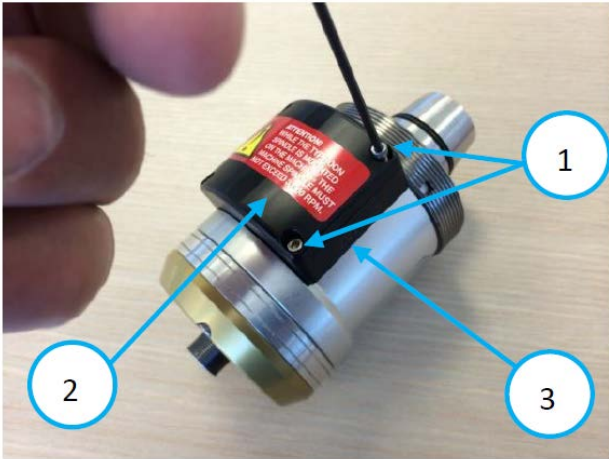


## RPM Transmitter (Sensor) Replacement Procedure

**STEP 1.** Remove Existing Sensor. Thoroughly clean the spindle of coolant residue and dry it well.



**STEP 2.** Open four M2.5 hex socket-head screw bolts (1). Remove the cover (2) from the sensor housing (3).

**STEP 3.** Remove CR2 3V battery.



**STEP 4.** Carefully unscrew the two hex M3 socket-head screw bolts (4) from inside the sensor.

**STEP 5.** Gently separate red RTV layer (adhesive layer) between the sensor housing (3) and aluminum spindle housing (5) using a scalpel or utility knife. Remove sensor manually from the spindle. Separate evenly from both sides of the sensor.



**STEP 6.** If the sensor does not disassemble; check that STEP 4 was performed properly and then repeat STEP 5 until the sensor is separated. Make sure that the O-ring (6) is pulled out along with the sensor. If not, gently remove it manually.



## Installing the New Sensor

**STEP 1.** Carefully clean all remaining red RTV or sticker layer from the spindle surface. Make sure none of the RTV penetrates the spindle through the sensor hole or any other opening in the spindle. This can clog the spindle mechanism.

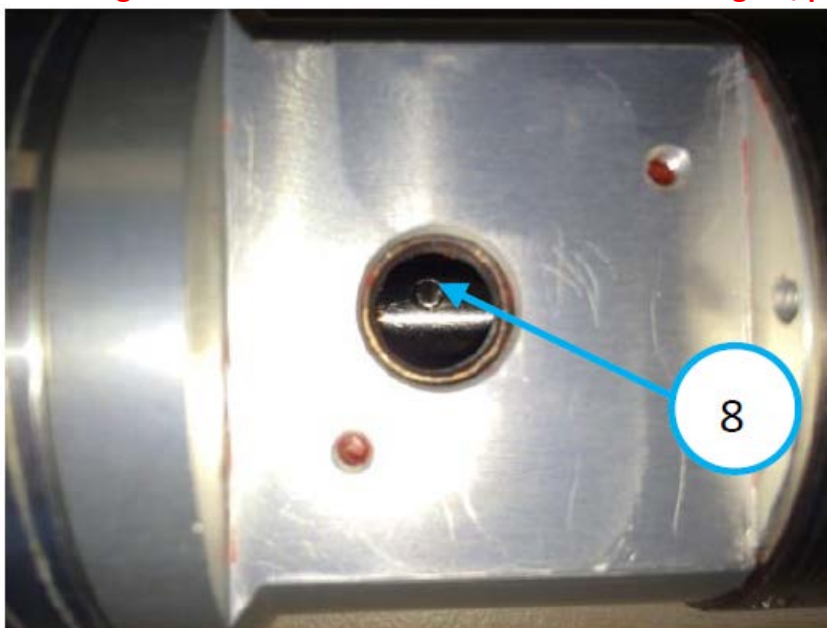
**STEP 2.** Wipe the sensor mounting surface area (7) and the sensor with a cloth wetted in clean alcohol and let dry.



**STEP 3.** Look through the sensor hole and rotate the spindle shaft until the round magnet (8) is visible. Make sure that magnet is clean (no debris or chips). Check that the magnet (8) is firmly secured in place by gently pressing on it.

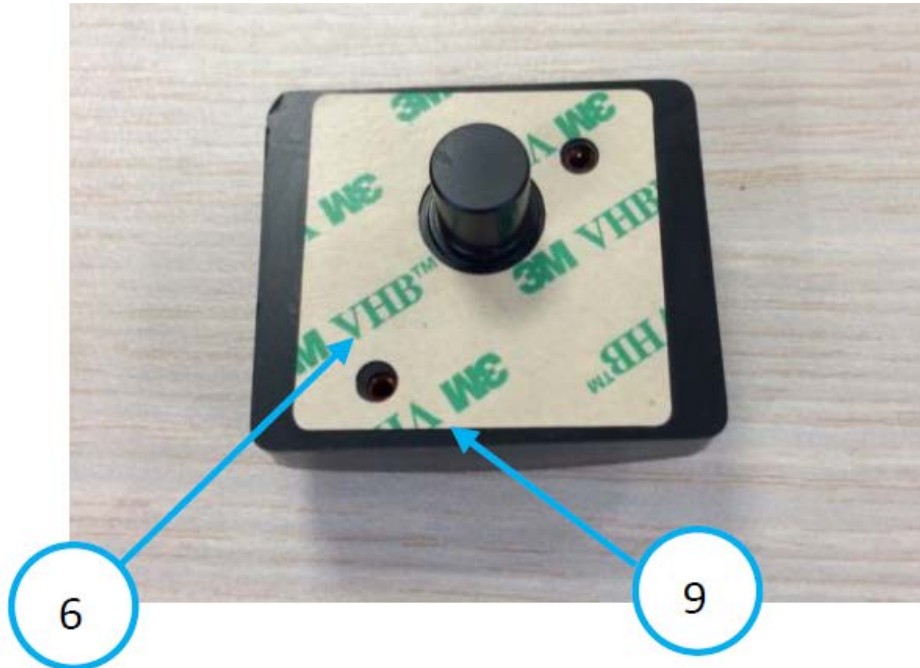
**STEP 3a.** Turn the spindle shaft 180 degrees and repeat STEP 3 again.

**If the magnet is not secure or debris is found on the magnet, please contact the support team.**





**STEP 4.** Remove new sensor from the packaging and place it in position.



**STEP 5.** Clean the new sensor. Open the four M2.5 screw bolts and remove the battery cover (2).

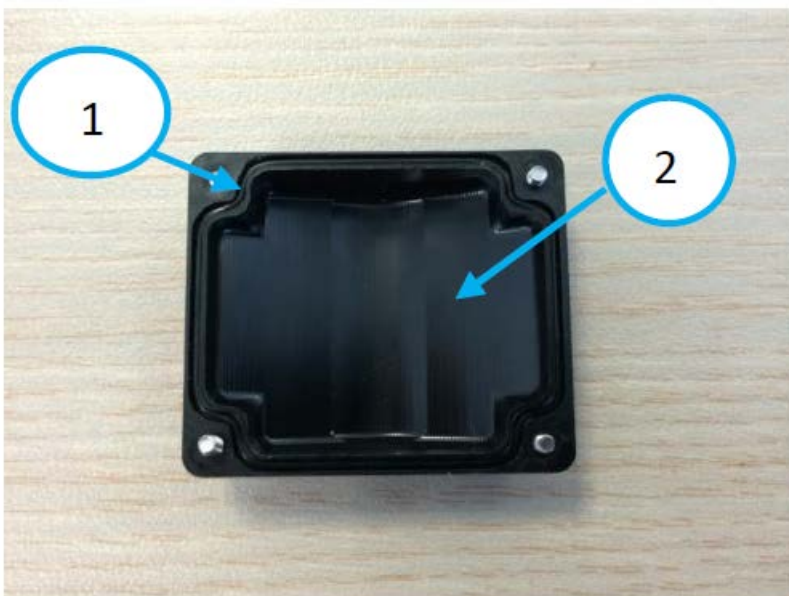
**STEP 6.** Make sure the O-ring (6) is in place.

**STEP 7.** Remove sticker's protective layer and position in the spindle surface area. Press firmly until secure.

**STEP 8.** Insert and tighten the two hex M3 socket-head screw bolts (4) Use min. torque: 1N/m Max.

**STEP 9.** Insert the battery, check polarity marks on battery housing.

**STEP 10.** Make sure the sensor cover (2) and seal (10) are in place (slot) and secure the cover with four M2.5 screw bolts (1).



**STEP 11.** Connect (pair) the new sensor to the RPM receiver (display unit).

**If sensor does not respond, please contact supplier.**

