Centering the probe

First make sure your machine is off and the spindle motor has no way of turning on by itself

Locate the probe in a lathe or milling machine spindle

Hang the connection cable so it is out of the way

Touch the probe tip against a solid object

Then turn the probe until the tip is the away from the solid object leave it this way

There are 4 holes located around the perimeter of the probe

Each hole contains a set screw which can be turned in or out

You need a 3/32 Allen Wrench to turn the screws

Each turn moves the probe tip .3175 in or out

Loosen the opposing or left side set screw a full turn

Then tighten the set screw on the side that is not touching (right side)

Check your work by turning the probe and stop where the tip is furthest from the object

Repeat this until the tip is fairly concentric

You can also reposition the solid object left right front back of the probe tip

You need to make adjustments in small increments or you will get lost

You need to indicate the probe using a dial test indicator

First make sure your machine is off and the spindle motor has no way of turning on by itself

Locate the probe in a lathe or milling machine spindle

Hang the connection cable so it is out of the way

Don't use a plunger type of dial indicator

Use an lever type dial test indicator if you don't have one shars.com is a great source

Secure the dial indicator

Rest the side of the tip of the dial indicator on the side of the tip of the probe

Turn the probe around in a circle

Note the movement of the needle and rotate the probe until the tip of the probe is furthest form tip of the dial indicator and leave it positioned this way

There are 4 holes located around the perimeter of the probe

Each hole contains a set screw which can be turned in or out

You need a 3/32 Allen Wrench to turn the screws

Each turn moves the probe tip .3175 in or out

Loosen the opposing set screw a full turn

Then tighten the set screw on the side that is not touching

Check your work by turning the probe and stop where the tip is furthest from the dial indicator

Repeat this until the tip is fairly concentric

You can also reposition the dial indicator left right front back of the probe tip

You need to make adjustments in small increments or you will get lost