Inventor 2016 3D Print Command

Edit 3D solids within the 3D printing environment

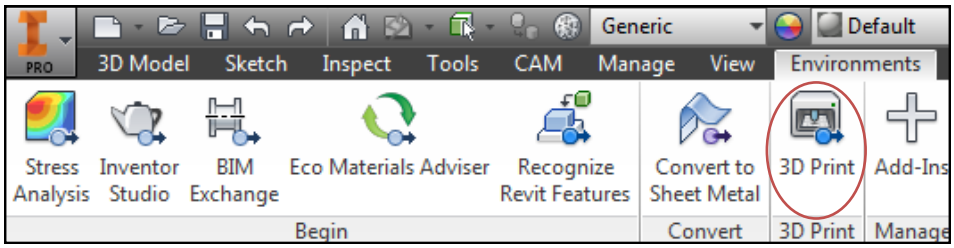


FIG 1.0

Step # 1. Launch Inventor 2016.

Open the file "**Spanner Model.ipt**"

On the "**Environment**" tab, select "**3D Print**"

A list of available 3D printers is displayed. The model will be automatically positioned in the printable volume.

See Fig 1.0

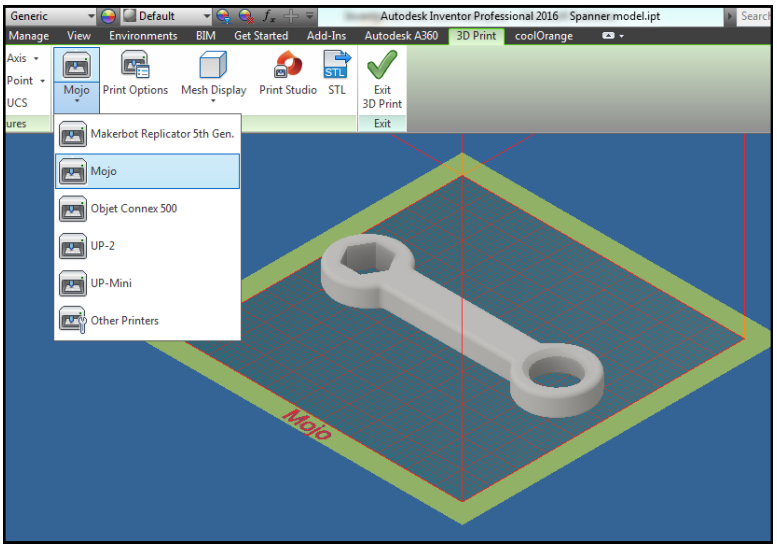
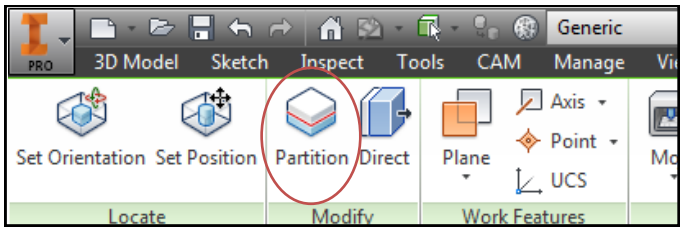


FIG 2.0



Step # 2. Using the "Partition" Command.

On the "**Modify**" panel click on the "**Partition**" button.

See Fig 2.0

When prompted to "**Select Plane to Split Body**".

Expand the "**Origin**" in the Browser and select "**XZ Plane**"

See Figure 3.0 and Figure 5.0

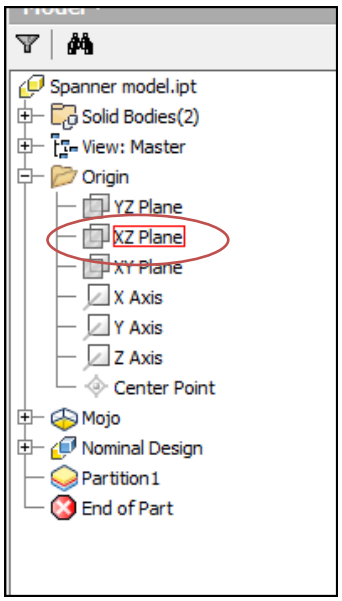


FIG 3.0

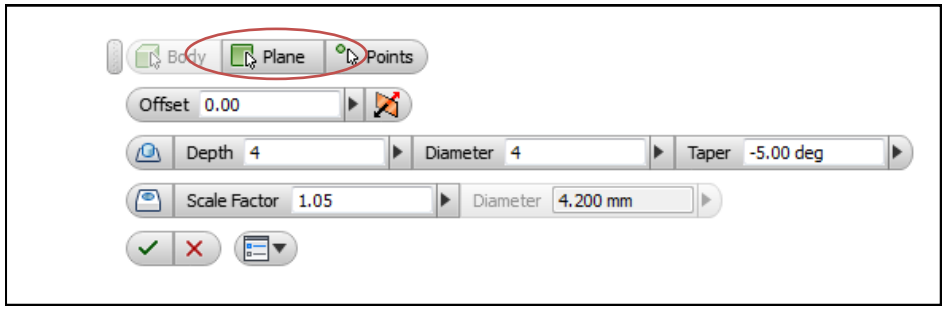


FIG 4.0

Step # 3.

Change the default settings of 10mm to 4mm in the **"Depth" and "Diameter"** text boxes.

See Fig 5.0

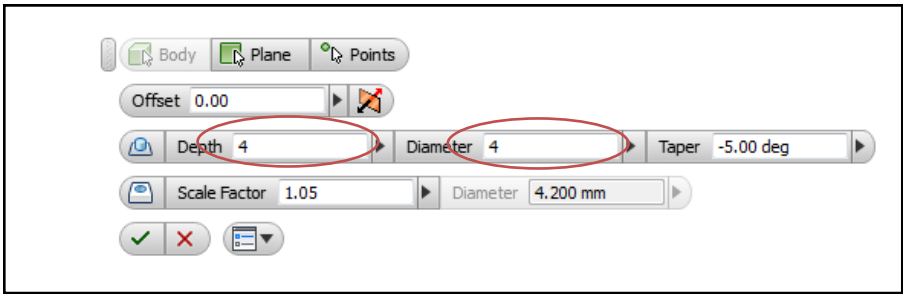
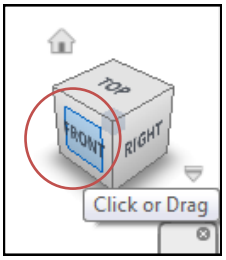
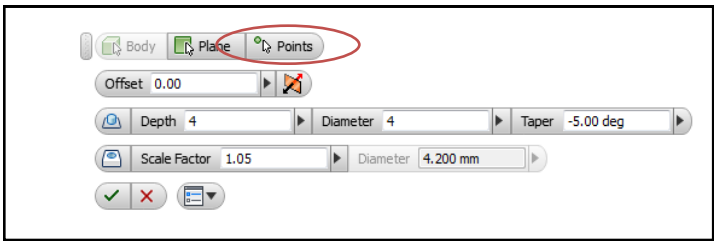


FIG 5.0



Step # 4. On the **"View Cube"** click on **"Front"**
The spanner solid will be presented to the "**Front**" view
See Fig 6.0

FIG 6.0



Step # 5.

Click on the "**Points**" button.
When prompted to "**Select Position for Post and Hole**".
Click on three positions similar to those shown in Figure 7.0
After placing the three points, right click and select **OK**.

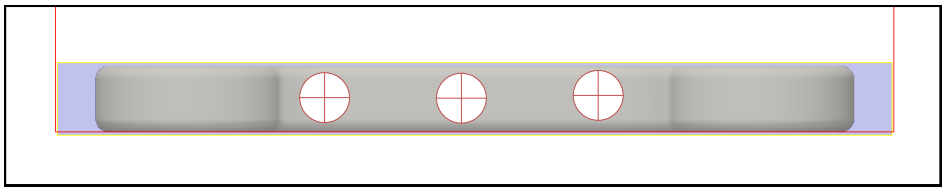
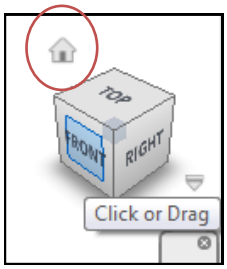


FIG 7.0



Step # 6.

Click on the "**Home**" icon On the **"View Cube" or press "F6"** to return to the home view.

Step # 7.

In the "**Browser**" right click on one of the **"Solid Bodies".**
Uncheck the "**Visibility**" to reveal the "**Post and Holes**" created.
See Figure 8.0

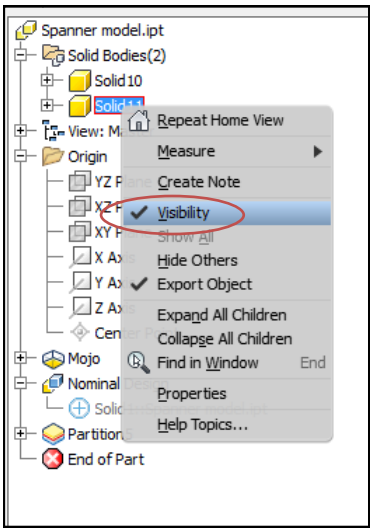


FIG 8.0

In Figure 9.0 below the “Partitioned” part can be seen. Individual solid bodies can then be 3D Printed and assembled.

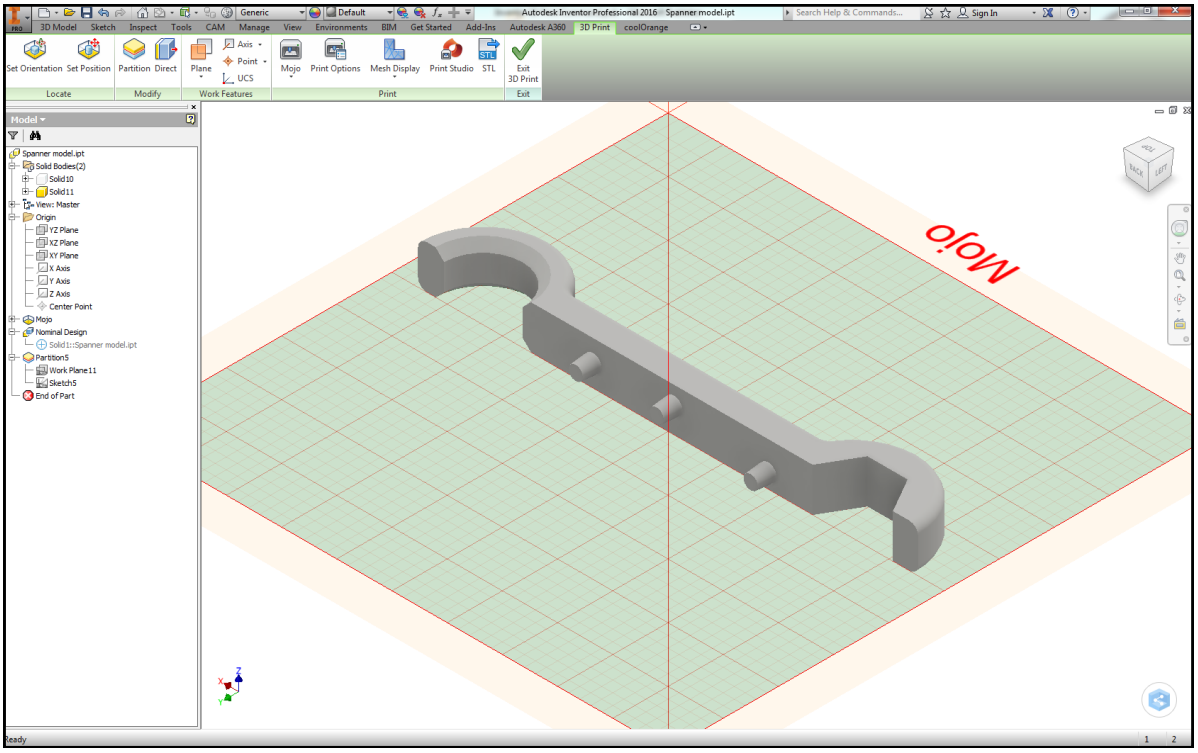


FIG 9.0