

Subassembly Drawing

Inventor 10 Assignment 6

Subassembly Drawing

A subassembly drawing shows only one unit of a top assembly. An example would be the drawing below only part of a small engine crank shaft, piston, connecting rod and pin. This small subassembly would then be assembled into a top assembly along with other subassemblies and parts to complete the engine.

Each team member will create a subassembly of their responsibility of the team's robot top assembly. The drawing will show a front, top and right side view. An isometric pictorial view will also be shown.

1. Use MAE3 Inventor Inch Template.ipt border.
2. Balloons will appear on orthographic views only, not on the isometric view. Each balloon will appear only once while choosing the best view to show a part. The Parts List **MUST HAVE UPPERCASE LETTERING**.
3. Add all center lines but no hidden lines will appear on the drawing.
4. Title block must have **UPPERCASE LETTERING** and all entries on the border title block must be filled in.
5. Student name and Section number, Title, and Drawing Number must appear in title block Front, top and r-side views must align except the Isometric.
6. Plot to Extents and Scale to fit on 8 ½ x 11 paper. Use the subassembly drawing below as a guide.

