

Working Drawings: Assembly Details

jcS - 5/30/2013

Models:

1. Assembly Model
 - a. Modify parts as needed for performance and matching to other parts
2. Assembly Constraints
 - a. Complete
 - b. Logical
3. Model Tree
 - a. Appropriate Base Part (Orientation)
 - b. Logical order / Errors / Warnings

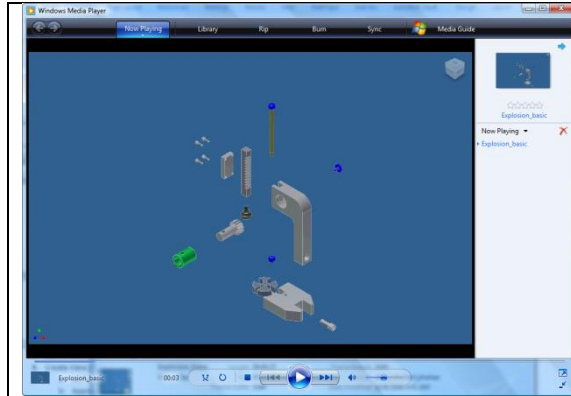
Drawing Details:

4. Ortho Views - Front View / Scale / Necessary Views
5. Lines: Center Marks / Center Lines / Hidden Lines / Tangent Edges / Scale
6. Isometric Views – Orientation / Exploded
7. Parts List – Item (Order) / Part Name (Number) / Material / Qty

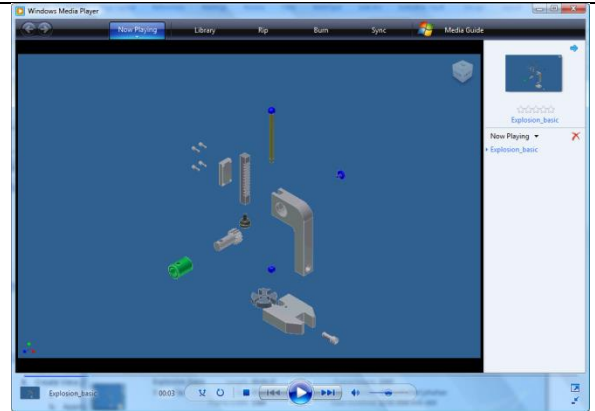
Exploded View:

8. New: Presentation (.ipn). Metric or English
9. Create View / Tweak the components
 - a. All Parts Visible
 - b. Appropriate relative position
10. Animation (See examples – below)
 - a. Show assembly process(Save .wmv)

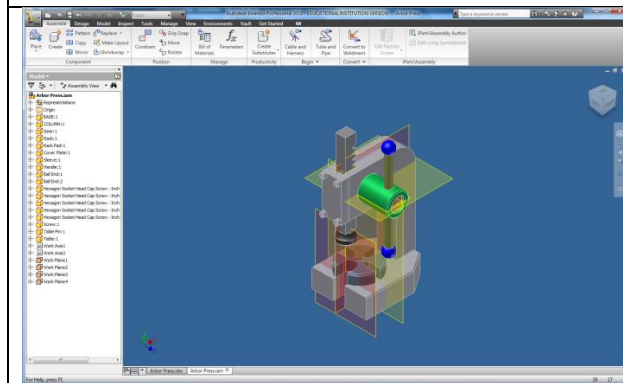
Working Drawings: Assembly Examples



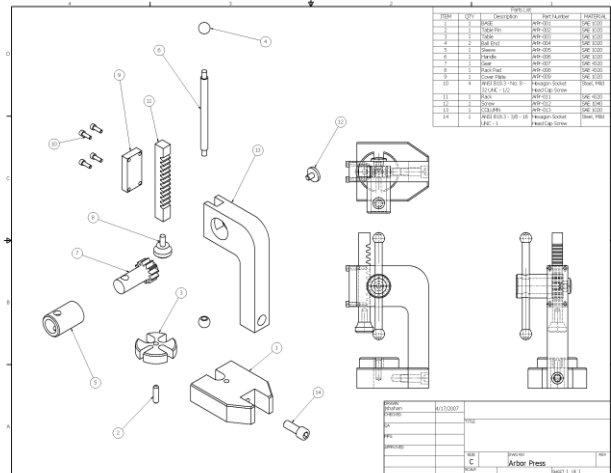
Basic:



Detailed



Example: Assembly Model



Example assembly drawing