

Design For Assembly Structure Charts

Structure Charts are used to detail the assembly of system. They will allow the design team to see the entire process. This will make changes easier to recognize and make on paper before the changes are applied to the actual system.

A Structure Chart is a flow diagram of the components, parts, sub-assemblies and operations in the assembly process. Each step in assembly is recorded in a Top Down fashion. The chart is arranged in “levels”. **All** parts, sub-assemblies, separate securing operations and non-securing operations are identified as first level items. If Level I has sub-assemblies, these must be analyzed and listed in Level II. Continue this subdivision as necessary. Standard parts such as motors, speed reducers, etc. do not require sub-assembly analysis. The process is repeated until the entire system is analyzed.

Sample Chart:

Assembly Name: _____

