RESOLVING FAILURES

ProEngineer's parametric nature means a change in your design at any level in the model automatically propagates throughout the entire assembly (i.e. the model regenerates)!! When building or editing a model if certain dependencies between features are violated you will get a REGENERATION ERROR.

Potential causes of Regeneration Failure:

- Feature is improperly defined causing it to be unattached.
- A feature is resumed that now conflicts with another.
- The feature intersection is no longer valid because dimensional changes have moved the intersecting surfaces.
- A reference is missing because you have redefined or deleted the parent features.
- The model no longer satisfies the pattern restrictions.
- The new geometry is invalid due to feature definition.
- Component is missing.

Parent/child dependencies throughout the entire model!