

**ANSYS Workbench Class3****Error Report****ERROR NO:**  
WB2013-21**Keywords:**

MATCH      SYMMETRY REGION      CYCLIC REGION      SYMMETRY FOLDER

**Description of Error:**

The term "mesh match" refers to the Match Control which is used to match the mesh of two faces or two edges in a model. "Mesh match" is implemented with "Match Controls" and anything under the Symmetry Folder. When performing a mesh in Symmetry region, Cyclic Region or in a Symmetry Folder, where inflation has been assigned or the MultiZone method is used, some nodes may fail to report match attributes to the solver. Match controls are not enforced when previewing inflation. Mesh generation may appear to succeed for a model featuring "mesh match" combined with Inflation or MultiZone methods, however, not all required node pairs are accounted. Thus, representation of the symmetry during solution or post-processing will be incomplete.

**Typical GUI Path(s):**

Define mesh match (with whichever method), define inflation (with whichever method) or define some bodies to be meshed with MultiZone, generate mesh, solve.

**Other Comments:**

The scenario presented in the Description of Error field of this report is specific to using the Match Control in the same part. The failure may not exist when in different parts.

**First Incorrect Version:**

Release 14.5

**Corrected In:**

Release 15.0

**Suggested User Action For Running on Uncorrected Version:**

Do not use Inflation or the MultiZone mesh method in conjunction with "mesh match."

**Author Signature:**

James Chen 10/21/2013

**Reviewed By QA:**

Bill Bryan 10/29/2013

**Approval:**

Dave Conover 10/21/2013