

## ANSYS Workbench Class3

### Error Report

**ERROR NO:**  
WB2012-16

### Keywords:

BOLT PRETENSION PROBES            REMOTE BOUNDARY CONDITIONS  
MULTIPLE ENVIRONMENTS            RSM

### Description of Error:

Bolt Pretension Probes will be incorrect when a specific solution sequence is used. The results will be wrong when multiple environments exist and while one environment is in the process of solving, a remote boundary condition is added in another environment under the same model. When this condition occurs, the Bolt Pretension Probe will use an incorrect node to obtain the force and displacements.

Since this requires modification of a second environment while the first is solving, this situation can only occur during RSM based solutions or if the user employs the Tools->Read Results functionality to import a solution.

### Typical GUI Path(s):

A typical sequence to incur the error is below.

1. Write the input file from environment #1 or initiate an RSM solution. If just writing the input file, go and solve using the input file on your own outside of Mechanical.
2. After having written the input file in environment #1 or while the solution is executing in environment #1, start working in environment #2. In this environment, create a remote boundary condition (such as a moment or remote force).
3. In environment #1, "Read Results" or if using RSM, "Get Results". The pretension probe will report incorrect results.

**Other Comments:**

This error will only affect Bolt Pretension Probes. Other results will be unaffected.

**First Incorrect Version:**

Release 12.0

**Corrected In:**

Release 15.0

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

Avoid adding remote boundary conditions to environments during the solution if Bolt Pretension Probe results are desired.

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