

86PR1 and 86PR2 Probe Calibration/Re-calibration Procedure:

The 86PR1 and 86PR2 have internal memory that stores important probe information for the probe, including the wear cap thickness and other parameter used to help the 8600 automatically identify the different target balls. Each probe is calibrated during the manufacturing process. Over time as the wear cap gets thinner it may be necessary to update this information in the probe to ensure proper target ball detection and 8600 operation. The procedure for re-calibration is very simple and uses the 86ACC kits. This probe recalibration is available in Magna-mike 8600 with software 1.03 and beyond.

Steps to perform a Probe Re-Calibration

- Connect the 86PR1 or 86PR2 probe to the 8600 and then turn the 8600 on.
- Press and hold the [ENTER] key then press the [SETUP] key.
- The 8600 will display a list of manufacturing tests and the Probe Cal. Highlight Probe CAL and press [ENTER]
- Use the [Right and Left] arrow keys to select the Probe CAL that corresponds to the target balls sizes you will be using and press [CAL]
 - **1/16 Ball, 3/16 Ball** (calibrate for all the balls in the 86ACC-KIT (1/16, 1/8 and 3/16 steel Balls)
 - **1/4 Ball, 3/16 MagBall** (calibrates for all the balls sizes in the 86ACC-ER-KIT (1/4 Steel ball, 3/16 MagBall and 1/4 MagBall)
 - **1/16 ball, 3/16 Ball, 3/16 MagBall** (calibrate for all the balls sizes in both the 86ACC-KIT and 86ACC-ER-KIT (1/16 Ball, 1/8 Ball, 3/16 Ball, 1/4 Steel ball, 3/16 MagBall, and 1/4 MagBall)
- Follow the instruction on screen
 - Do a **Ball OFF** and press [CAL] key
 - Do a **Ball ON** using the ball on fixtures for the target balls prompt by the instrument and press the [CAL] key
- The 8600 will return to the Measurement screen after all Ball ON have been performed.