HENDRIX Molded Products

FAQ

Frequently **A**sked **Q**uestions

HPI Installation - Number of Turns to Install

February 27, 2012

Question: What is the recommended installation procedure for an HPI Insulator?
Answer: Normal HPI installation will be accomplished by turning the insulator until it engages the internal mastic. The lineman will feel the insulator become tight as the top of the pin makes contact with the mastic, (at approximately 3 to 4 turns). Do Not Over Tighten! He then needs to turn the insulator forward to align the top saddle with the conductor (usually ½ turn at the most will accomplish this). An additional ½ turn of the insulator – if needed - will not hurt the installation, but some insulator "spring-back" may occur. This is caused by the overly compressed mastic giving "back-pressure" to the insulator. The "back-pressure" will dissipate as some of the mastic oozes into the thread area – usually taking several seconds.

Question: What is the purpose of the "Mastic" in the top of the threaded area?
Answer: The purpose of the mastic in the threaded area of the insulator is simply to eliminate air space and eliminate potential RIV.

Question: Does the top of the cross arm pin or pole top pin have to make contact and compress the Mastic?
Answer: To eliminate all the air space between the threads of the cross arm pin and the mastic – Yes – we recommend that the insulator be threaded down on the pin until positive contact is made.

Question: Can the HPI be "over-tightened"?
Answer: Yes – Excessive turning of the insulator on the pin (6+ turns) can cause damage to the insulator threads or neck area of the insulator.

Question: Is the Vise Top Insulator installed the same as the Tie Top Insulator?
Answer: Yes – install both insulator designs the same way.

Question: Can the linemen use a wrench to tighten HPI insulators?
Answer: **NO – A wrench of any style should NEVER BE USED ON AN INSULATOR !**