



The SP-1004-FL Astro-Brac clamp kit has been used successfully in FL (and throughout the U.S. as an AB-3009) in several signal and sign mounting assemblies for many years. Item 2 in the attached Assembly Sheet for the SP-1004-FL is the single piece female clamp, AB-0354, that is also shown in the attached picture. When installed, the female clamp closes about and holds the male clamp, Item 3 in the Assembly. One can observe from the female casting picture that as the gap in the casting is closed with two 5/16" bolts that the female casting must actually deform slightly to grasp the male casting.

If, in an improper installation of the clamp kit, both cables holding the female casting about the structure supporting the clamp are securely tightened before tightening the 5/16" gap closing bolts, then the female casting may be prevented from flexing to securely grasp the male. And, increased tightening of those 5/16" bolts can result in fracturing the female casting. This can happen at the initial installation but more likely in subsequently incorrect re-adjustment or incorrect re-installation of the clamp kit. The installation instructions included at the factory with each clamp kit warn against such improper installation. However, in recent years, several fractures of the SP-1004-FL clamp kit were reported to FDOT resulting in TERL's request that it be replaced by the SP-1079-FL.

A two-piece female clamp, the Stellar Cable Mount Clamp Kit shown in the attached Specification 3104 and in the attached SP-1079-FL drawing, is less prone to miss-installation. And, FDOT/TERL required that Pelco replace, beginning in 2014, the SP-1004-FL clamp kit with the SP-1079-FL clamp kit in all assembly shipments where the SP-1004-FL was previously used. Although the SP-1004-FL clamp kit was not separately listed on the APL, the SP-1079-FL had been submitted and listed on the APL in late 2012. It is not clear how FDOT/TERL plans to "de-list" the SP-1004-FL from use in assemblies listed on the APL. However, the SP-1004-FL is no longer offered for sale by Pelco. And, the SP-1079-FL is directly interchangeable with the SP-1004-FL should the need arise on older assemblies employing the SP-1004-FL.

Let me know if you have any other questions regarding these changes.

Best regards,

Gordon Andersen