

This Technical Note describes the recommended procedure for installing the ferrule, spring, and spring push into the MTP® housing assembly by using a ferrule guide and preloading the spring. This document serves as instructions for installing the MTP, MTP PRO, or MTP-16 housing assembly. These instructions apply to all MTP connector kit variants.

1. Install the ferrule insertion guide (P/N 18472 for MT ferrules or P/N 17150 for MT-16 ferrules) onto the ferrule. Hold the connector assembly vertically to keep the ferrule guide seated on the ferrule. See Figure 1.

WARNING: Care must be taken to prevent any part of the ferrule guide from touching the fiber area of the ferrule endface; otherwise, fiber tip damage may occur.

2. Move the spring push toward the ferrule ensuring that the spring is seated properly in the spring push and the male pin clamp assembly or female pin spacer. Apply slight forward force on the spring push to preload the spring. See Figure 1.

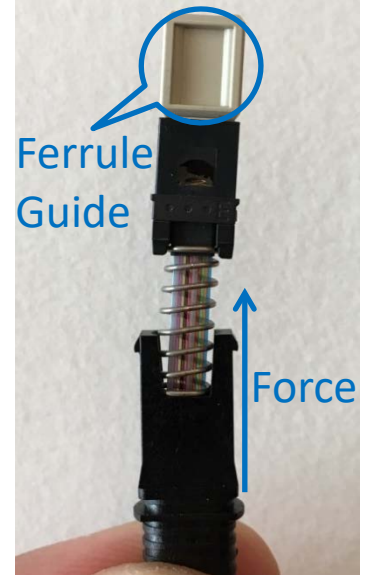


Figure 1

3. Before inserting the ferrule into the housing assembly, ensure the housing key and the ferrule window are oriented on the same side. See Figure 2.



Figure 2

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4. While maintaining the preload on the spring, insert the ferrule guide, ferrule, spring, and spring push into the housing assembly until the end of the ferrule can be seen protruding from the housing. See Figure 3. It may be necessary to move the spring push side-to-side in order for the ferrule to exit the housing assembly.

WARNING: Ensure the end of the ferrule can be seen protruding from the housing before proceeding to the next step; otherwise, fibers may be broken.



Figure 3

5. Continue to insert the spring push into the housing assembly until a “click” is heard. See Figure 4.



Figure 4

6. Remove and store the ferrule guide.

Note: The photos in this document are representative and may not reflect the exact component, component color, and cable construction for your specific installation.