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Model 509F Series
Fiber Interface / Slack Storage Device



Installation Note

CAUTION: *The Product shall be installed in a manner to comply with applicable national and local safety codes.*

Description

The 509F Fiber Interface/Slack Storage Device is a compact enclosure suitable for indoor or outdoor locations. It provides physical protection for the transition between Service Provider Feeder fibers and Customer Distribution fibers. It allows for the connection, slack storage and system testing. It has accommodations for standard SC connectors and hardened connectors. Please refer to Figure 1.

1. The TII 509F Series can be supplied with up to 4 fiber adapters when used with FP01 Fiber Plate.
 - a. Refer to 509F spec sheet for available options and accessories.
2. The 509F includes provisions for hardened fiber connector to SC Adapter.
3. The 509F's included removable cover is secured to the base with four captive screws.

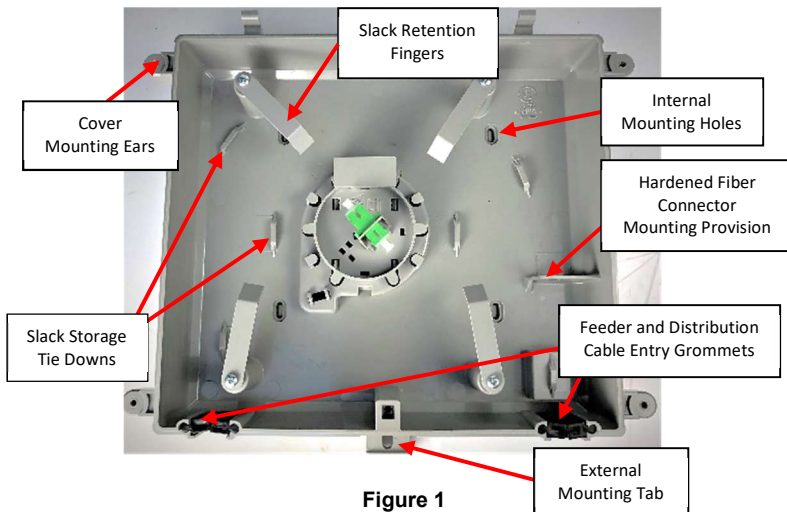


Figure 1

Installation (please refer to Figure 1)

Mount the 509F vertically on a flat surface using appropriate hardware.

1. Internal mounting with screws: Secure through 4 internal mounting holes that are covered with an easy to punch through film of plastic which maintains the environmental integrity of the enclosure.
2. External mounting with screws: Secure through top and bottom external mounting ears.

3. Pole mounting with straps: Strap to a pole using external mounting ears and industry appropriate mounting straps (not included).

509F for Cabling and Slack Storage of Connectorized Drops (please refer to Figure 2)

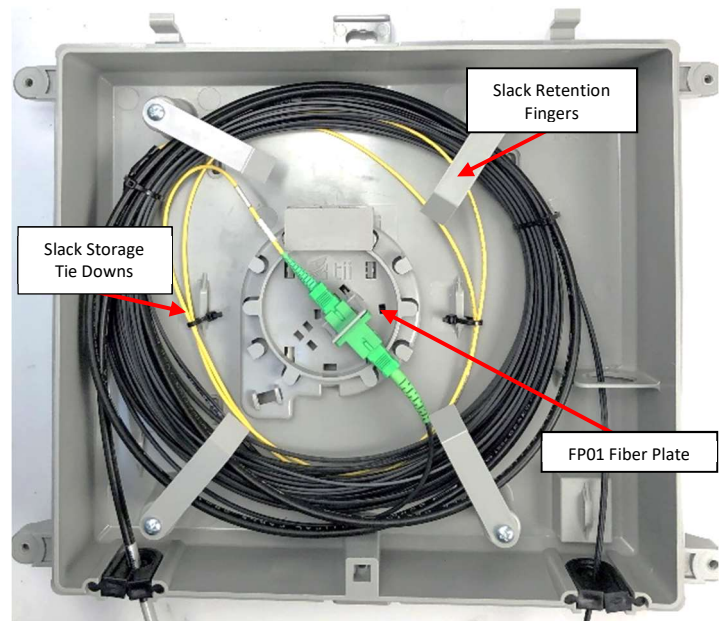


Figure 2

1. Punch a hole through the left Cable Entry Grommet and guide the connectorized Feeder Cable through bringing enough slack into the unit to make a couple of clockwise loops around the perimeter of the enclosure or until all of the excess slack is managed.
2. Insert Feeder Cable connector into the provided adapter located on the FP01 Fiber Plate in the center of the enclosure.
3. Punch a hole through the right grommet and guide the Distribution Fiber and slack counter clockwise around the perimeter of the enclosure.
4. Insert the Distribution Fiber connector to the opposing side of the provided adapter on the FP01 Fiber Plate.

- Position slack Feeder and Distribution Fiber as desired inside of the enclosure under the Slack Retention Fingers. Use wire ties to secure slack fiber to the included tie downs inside of the enclosure.
- Secure cover with the 4 captive cover screws provided, taking care not to over tighten.

509F for Cabling, Slack Storage and Splicing of Unconnectorized Drops (please refer to Figure 3)

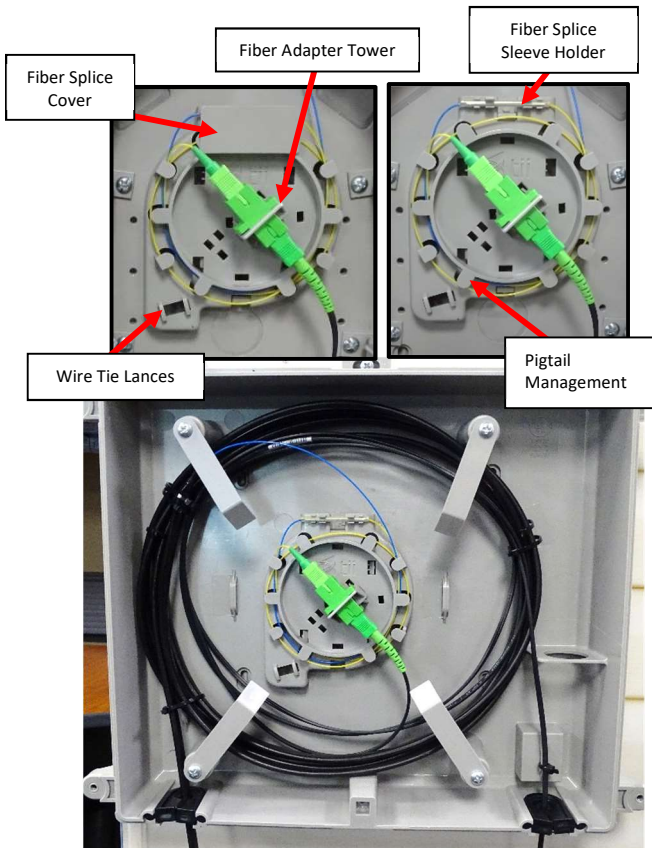


Figure 3

The FP01 Fiber Plate has splicing provisions for two 3mm splice sleeves. They are located at the top of the Fiber Plate and are secured under a snap on cover. The Fiber Plate includes opposing fingers to manage and secure pigtails.

- Bring unconnectorized cable into the 509F as described above.
- Remove splice sleeve holder cover and splice feed fiber to pigtails.
- Insert splice sleeve into holder, manage excess pigtails around fiber plate and replace cover.
- Connect the distribution fiber to the opposing side of the provided adapter on the FP Fiber Plate.
- Position slack Feeder and Distribution Fiber as desired inside of the enclosure and manage under the Slack Retention Fingers. Use wire ties to secure slack fiber to the included tie downs inside of the enclosure.
- Secure cover with the 4 captive cover screws provided, taking care not to over tighten.

509F for Cabling and Slack Storage of Hardened Connectorized Drops (please refer to Figure 4)

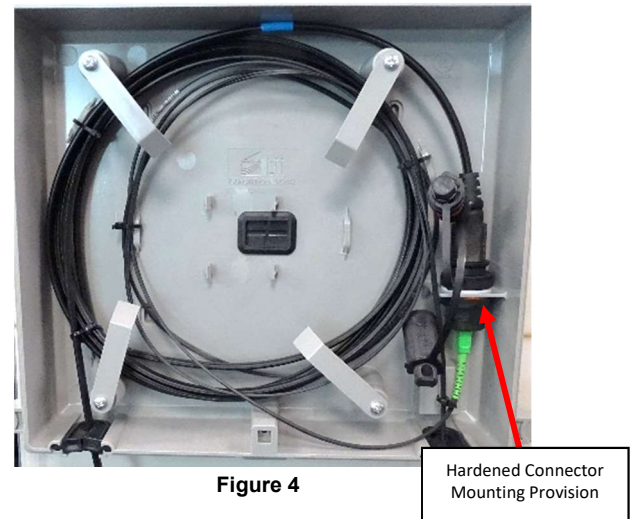


Figure 4

- Install Hardened Cable Adapter (not included) into the mounting provision on the right side of the 509F.
- Punch a hole through the left Cable Entry Grommet and guide the Feeder Cable with hardened connector through, bringing excess slack into the unit as necessary and connect to adapter.
- Manage cable clockwise around the enclosure staying inside of the space as defined by the Slack Retention Fingers.
- Punch a hole through the right grommet and guide the Distribution Fiber counter clockwise around the perimeter of the enclosure and connect to the other side of the Hardened Cable adapter.
- Position slack Feeder and Distribution Fibers as desired inside of the enclosure under the Slack Retention Fingers. Use wire ties to secure slack fiber to the Tie Downs inside of the enclosure.
- Secure cover with 4 captive screws provided, taking care not to over tighten.

509F for Slack Storage (please refer to Figure 5)

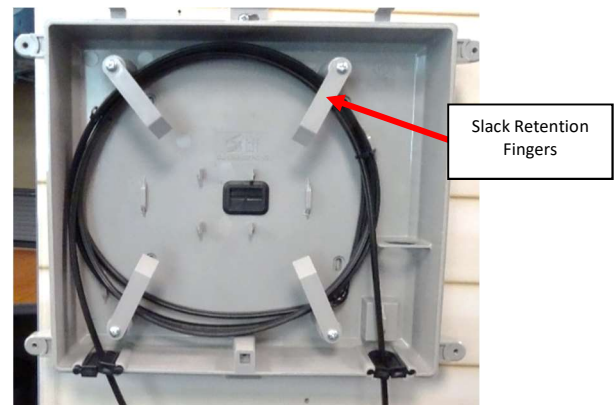


Figure 5

- Bring fiber into the enclosure through the bottom left Fiber Entry Grommet coiling excess fiber clockwise around perimeter of the 509F.
- Exit the enclosure through the bottom right Fiber Entry Grommet.
- Position slack Feeder and Distribution Fiber as desired inside of the enclosure under the Slack Retention Fingers. Use wire ties to secure slack fiber to the Tie Downs inside of the enclosure.
- Secure cover with the 4 captive cover screws provided, taking care not to over tighten.