

# RFA-4511

## N-type Connector Installation Kit for LMR<sup>®</sup>-400

# How-To Guide

### CABLE PREPARATION

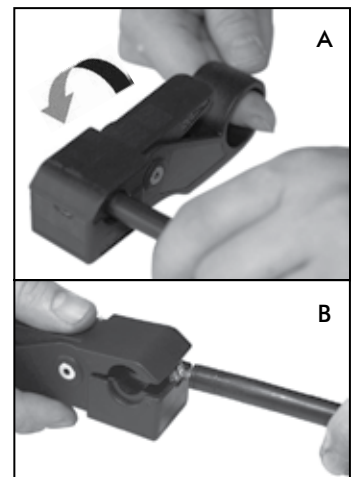
#### Use the RFA-4400 Stripper and Cable Prep Tool

*(For LMR-400 only. See reverse for all other cable.)*



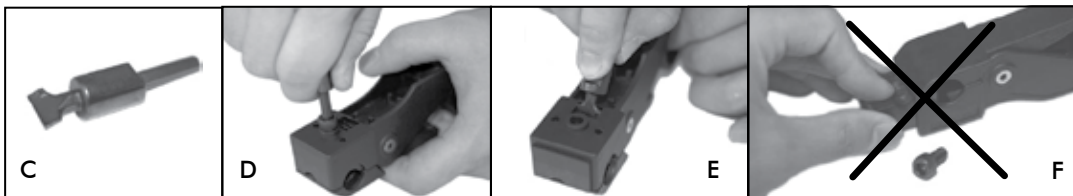
#### INSTRUCTIONS:

1. Pinch lever on handle to open jaws.
2. Hold tool in right hand, grasp cable in left hand and insert into side of tool marked “coaxial cable” and close jaws.
3. Insert index finger through finger hole and rotate tool away from you a minimum of 5 turns (A).
4. When cutting subsides, open jaws and remove cable. (IMPORTANT: Leave slugs in place. Do not use tool to remove the slugs in the cutting position. Damage to cable will occur.)
5. Use the slug remover portion of the tool to grab and pull off slugs (B).



#### HOW TO REPLACE BLADE CARTRIDGE:

1. Use the hex key tool attached to the stripper (C).
2. Unscrew the cartridge lock (D).
3. Push the cartridge out (E).
4. Insert new blade cartridge and retighten hex head screw.



*USE CAUTION when handling blade assembly. Blades are very sharp. Take care when handling exposed blades (F) and disposing of blade cartridges.*

#### PART NUMBERS FOR REORDERING CARTRIDGES

<b>Tool part number</b>	RFA-4400-01	RFA-4400-02	RFA-4400-03
<b>Blade part number</b>	RFA-4400-01C	RFA-4400-02C	RFA-4400-03C

*PLEASE NOTE: Blades are dedicated to specific connectors for LMR-400 only.*

LMR is a registered trademark of Times Microwave.



## **CABLE PREPARATION** (for non-LMR-400 CABLE)

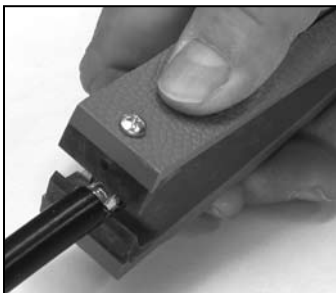
### Use our RFA-4420 "Cable Devil" Center Conductor Beveler and Cleaner



The Cable Devil® removes bonded dielectric and burrs that can damage a connector's seizing mechanism. This ergonomic tool eliminates need for making pyramid cuts. It comes with long-lasting reversible teeth. Follow this two-step procedure for beveling the center conductor and removing any residual dielectric from it.

#### REMOVE THE BONDED DIELECTRIC WITH DEVIL® "TEETH"

1. Grasp the center conductor with the teeth of the Devil® tool.
2. Rotate tool side-to-side to cut through foam dielectric.
3. Using short strokes and rotating the tool side-to-side, continue until dielectric builds up behind the teeth.
4. Keep rotating the tool side-to-side while pulling the tool in a downward motion until all dielectric is removed. Your cable is now prepped and ready for the connector.



#### BEVEL CENTER CONDUCTOR

1. Insert the center conductor into the beveler part of the tool.
2. With light pressure rotate the tool back and forth three to five times.
3. Rotate tool 180° and repeat back and forth motion three to five times.

*NOTE: You are not trying to sharpen the center conductor. You are removing any outer burrs, which if left on may cause damage to the center connector.*



PLEASE NOTE: When Devil® teeth appear worn, use a Phillips head screwdriver to remove the teeth and flip the teeth so that the other side may be used. For replacement teeth for the Cable Devil® tool, simply call your Cable Devil® distributor for "Teeth" part number or ask for RF Industries part number RFA-4420-RB.

**CAUTION: As with any rotating equipment, eye protection must be worn at all times.**

## **CRIMPING — Use RFA-4009-20 Heavy-Duty Crimp Tool Handle and Die**

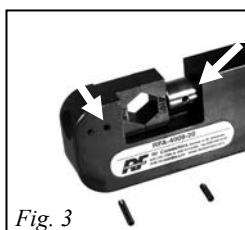
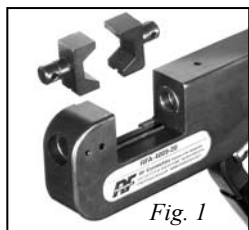
#### INSTALLING DIES

1. Align die halves so rail slot is on bottom. (Fig. 1)
2. Place dies over rail in crimp handle.
3. Push shanks of die set into holes in tool until they snap into place. There will be no gap between die body and tool body. (Fig. 2)
4. Close handle to verify that dies are properly seated.
5. Tool is now ready for use.

#### PERMANENT DIE INSTALLATION (optional)

If you do not anticipate need for frequent die changes, you may wish to install die set with lock pins.

1. Install dies in crimp handle as described above.
2. Insert lock pins (supplied with die set) through holes and flush with outside surfaces in crimp handle. Push long pin through tool body and shorter pin through push rod. (Fig. 3)



#### DIE REMOVAL

1. Remove upper die: With crimp handle open, place the die removal tool against the end of the front die and tap with a small hammer. (Fig. 4) The die will be released from the front die holder and can now be easily removed by hand.
2. Remove lower die: Close the crimp handle and slide the die removal tool between the die and tool body. (Fig. 5) Squeeze handle and release quickly with a snapping action. This will pull the die free and it can then be removed by hand. (Fig. 6)

