READ THESE INSTRUCTIONS COMPLETELY BEFORE STARTING WORK.
IF YOU DON'T UNDERSTAND CALL 724-588-8600 FOR ASSISTANCE.

PROCEDURE FOR REPLACING A RUNG ON FIBERGLASS EXTENSION LADDERS WITH DIRECT RUNG TO RAIL JOINTS.

THIS KIT IS TO BE USED ON WERNER CO. LADDERS ONLY.


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NOTE:
To make replacement easier separate the fly section (extendable section) from the base section (section with shoes), see separation instructions on the ladder.

Check to ensure the replacement rung assembly is the correct length by placing it next to the rung being replaced (or by an undamaged rung in the same section).

WARNING:
1. Failure to comply with all instructions may result in serious injury.
2. Make sure this kit fits your ladder. Refer to the application chart on the outside of the kit’s packaging. If you have any questions concerning the use of this kit on other Werner Co. products, call 724-588-8600 for assistance.
3. Before installing this kit, identify all kit components. If any components are missing or damaged, return the kit to place of purchase. Do not substitute any components.
4. Inspect the ladder before installing this kit. Repair or replace any damaged or missing ladder parts before using the ladder. Use only Werner Co. repair or replacement parts. If unable to repair, discard the ladder.

*Not needed if alternate fastening method using blind rivets as shown on page 3 is used.
INSTRUCTIONS

A. REMOVING DAMAGED RUNG:

1. If the damaged rung has wear sleeves attached to it, drill out rivets with #11 (.191 dia.) drill bit. Save the wear sleeves for attachment to replacement rung. If wear sleeves are damaged, purchase a wear sleeve replacement kit. (See Figure A).

2. Use a hack saw to cut damaged rung close to each side rail. (See Figure B).

3. Use a hack saw to cut through rung and ferrule in four places.* Cut in the direction of the side rail length. Do Not Cut Beyond Edge of Ferrule. (See Figure C).

* The blade must first be detached from the hack saw, threaded through the rung and then reconnected to the saw. The blade needs to be rotated from it’s normal position to allow cutting of the ferrule parallel to the length of the ladder side rail.

4. Use a chisel and hammer to gently tap the ferrule segments away from the side rail. Tap parallel to the side rail. Do not attempt to drive ferrule through side rail. (See Figure D).

5. You now have exposed the rung hole in the side rail. (See Figure E).

6. Repeat steps 2 through 4 on the opposite side.

![Figure A](image)

![Figure B](image)

![Figure C](image)

![Figure D](image)

![Figure E](image)

B. INSTALL THE REPLACEMENT RUNG:

7. Draw working lines on the fiberglass rail. These lines will be used to position the drill templates.

I. Place a 2 foot long straight edge against the back of the rung ferrules above and below the rung being replaced (See Figure F – Note orientation of “D” hole in rail and that the line is toward the back side of “D” hole, (also back side of ladder) not the front. Make sure flanges of C–channel are facing away from the surface being marked as shown in Figure F.

II. Place a square along the back side of the rail and line it up with the bottom of the “D” hole in the rail (See Figure G). Draw a line across the rail even with the bottom edge of the rung hole. Repeat I and II for other rail.
8 Cut out templates on this page. Tape templates to rails with lines on templates aligned with those on rail. Make sure the D-Hole illustrated on the template lines up with the D-Hole in the side rail. Gently tap center punch to mark hole locations in rail located by templates. Drill holes with #11 drill. (See Figure H).

9 Attach new rung with bolts, nuts and washers provided in the replacement kit. (See Figure I for proper orientation.) Washer is always against fiberglass. Tighten nut/bolt to between 20 and 22 inch–pounds torque.

An alternate fastening method can be used as outlined below. This kit contains fasteners for the standard fastening method, not the alternate fastening method. A stainless steel blind rivet, Werner Co. part number 60667-06, can be used in place of the bolts and nuts. This rivet is a 305 stainless steel, 3/16” diameter blind rivet with a 0.375 inch maximum grip length using a plated carbon steel break mandrel (I.F.I.–Grade 50, Size 64). A special plated steel washer (.500 inch O.D., .199 inch I.D., and .062 inch thick) must be used against both the fiberglass rail and aluminum rung plate (see Figure J for proper orientation of washers and rivets.) The Werner Co. part number for the washer is 60699-01.

10 If rung being replaced previously had a plastic wear sleeve, proceed with wear sleeve replacement instructions. (See Figure K on page 4). If not, proceed to instruction #13 on page 4.

HOLE LOCATION DRILL TEMPLATES – Cut Along Dashed Lines and Remove Shaded Areas
C. ATTACH WEAR SLEEVE:

11 Position wear sleeve, that was removed from damaged rung, onto replacement rung and slide it against ferrule. Hole in wear sleeve should be toward back side of rung. (See Figure K).

Match drill through existing hole in wear sleeve using a #11 (.191 dia.) drill bit (See Figure L).

12 Place a blind rivet through wear sleeve hole and set using a blind rivet gun. (See Figure M).

13 Reassemble fly section onto base section (See reassembly instructions on ladder).

Be sure ladder functions properly and fly section can be extended and retracted without catching on the replaced rung before using.

If the replacement rung causes the ladder to malfunction, DO NOT USE LADDER. Review the instructions, contact place of purchase, or contact the Werner Co. for assistance at (724) 588–8600.