



ZR Long Reach Pruner Extension Slide Replacement Instructions

REQUIRED TOOLS

PHILLIPS HEAD SCREWDRIVER

11/32" SOCKET

5/16" SOCKET

DISASSEMBLY

Steps

1. Detach lever from grip
 - a. Unfasten and remove the grip center nut using an 11/32" socket.



- b. Remove handle spring.



- c. Remove grip center bolt. Detach rod from lever (pull barrel out).



- d. Remove the lever and handle spring (the handle remains attached).



- e. Retain lever, handle spring, center bolt, and nut for reassembly.

2. Detach blade from extension unit

- a. Unfasten the bolt that attaches the blade to the extension slide using a 5/16" socket and a screwdriver. Remove the bolt (be sure to capture the 2 washers on either side of the extension slide).



- b. Unfasten the screws(s) that attach the blade set to the blade fixture.



- c. Remove blade set.



- d. Retain screws, bolts and any washers for reassembly.

3. Remove tilt case or insert that attaches blade set to the extension unit.
 - a. Remove screw(s) attaching insert or tilt case to the extension unit.



- b. Remove insert or tilt case. Retain parts for reassembly.





4. Remove extension slide

a. Remove upper pipe (with extension slide inside)

- i. While holding lever(s) on joint case, pull upper pipe (including the extension slide) out of the lower pipe. **IMPORTANT NOTE IF YOU WISH TO USE EXTENSION SLIDE AGAIN:** Be sure barrel does not catch as this will cause the extension slide to separate. Extension slides can only be reconnected with a special tool. Tilting the blade end down while pulling the pipes apart helps to ensure the extension slide will fall out whole and not separate.



b. Pull extension slide out of upper pipe through the blade end.



REASSEMBLY

1. Clean unit.
 - a. Scrub handle and lever sections, especially at friction areas.
 - b. Scrub upper pipe, removing any built up dirt or sap on pipe.
2. Insert new extension slide and reassemble pipes
 - a. For the ZK and ZT units, if you removed the white plastic piece from the bottom of the upper pipe, re-insert it now.
 - b. Insert the extension slide from the blade end with the barrel end first into the upper pipe until the barrel protrudes from the bottom of the pipe.



- c. Slide the upper pipe with the extension slide into the lower pipe with the handle attached. Match groove. Barrel end will appear at handle and slide will also stick out of blade end.



- d. Lock pin(s) into holes. There should be a click when they lock in place.

3. Attach handle lever

- a. Insert barrel into lever (Note: this can take a little effort).



- b. Insert spring and position lever for center bolt.



- c. Insert center bolt (completely) and tighten using an 11/32" socket.



4. Attach blade fixture
 - a. Replace tilt case or insert.



- b. Insert screw(s) and tighten.

5. Attach blade set

- a. Attach blade set to fixture using screws.



- b. Place any washers and attach blade to extension slide. Be sure to place the bolt on the blade side. Tighten using 5/16" socket and screwdriver.





TESTING

1. Test unit
 - a. Cut into cardboard box or small branch. If unit works, it will cut. Otherwise it will slip.
 - b. Be sure to test at each extension hole and at different angles.
2. Lubricate unit
 - a. Lubricate handle mechanism.
 - b. Lubricate connection to handle (barrel).
 - c. Lubricate connection to blade (tilt case).