



## INSTRUCTIONS

For Replacement Of Extension Slides (steel band set) For  
**ARS Telescoping Long Reach Pruners Series ZK and ZT**

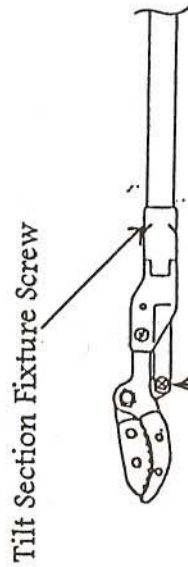
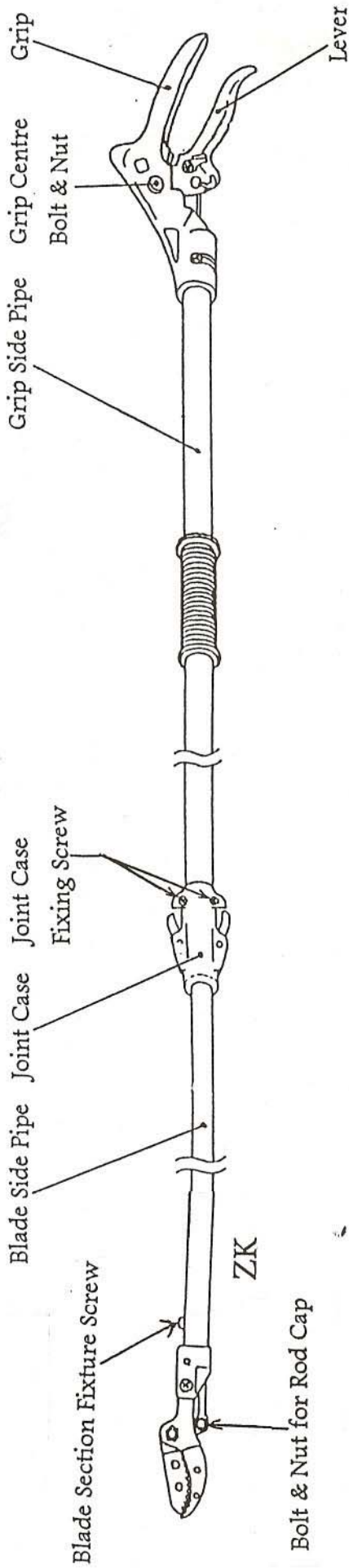
August 28, 2002

When to replace inside mechanism:

The blades open but have not enough power to cut.

The extension pipes and inside slides have been pulled apart.

The plastic guide for the inside slides is broken.



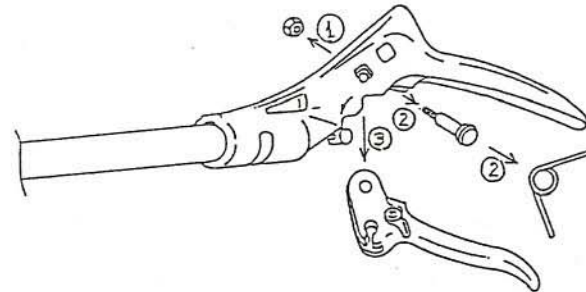


## DISASSEMBLY

It helps to have a small vise (do not tighten so much that it will bend the pipe) or a helper to hold the pipes. Use a small box or similar to store all small parts until re-assembly.

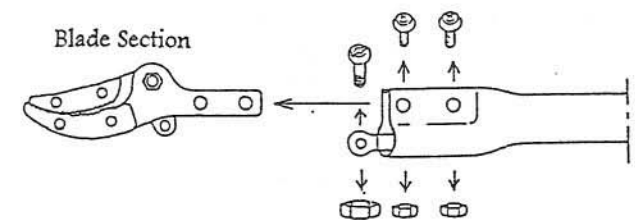
### 1. Disassemble lever from grip.

- a) Unfasten and remove the grip center nut.
- b) Pull out the grip center bolt.  
(The handle spring comes off at the same time.)
- c) Remove lever (not the handle)



### 2. Disassemble blade section.

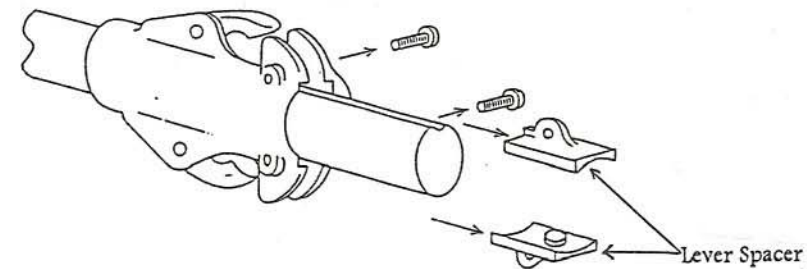
- a) Unfasten and remove the nut from the bolt that fastens the blade onto the extension slide.
- b) Remove the bolt. (ZT unit has 2 washers on each side of metal band.)
- c) Unfasten and remove the bolt and nut that fasten the blade to the plastic insert.
- d) Remove blade set.



### 3. Remove plastic piece that holds blade to pipe. (ZK-insert or Tilt Case).

### 4. Disassemble Joint Case

- a) Remove 2 screws.
- b) To remove the Joint Case, slide it towards the blade end. There are two plastic spacers that are necessary for the reassembly.



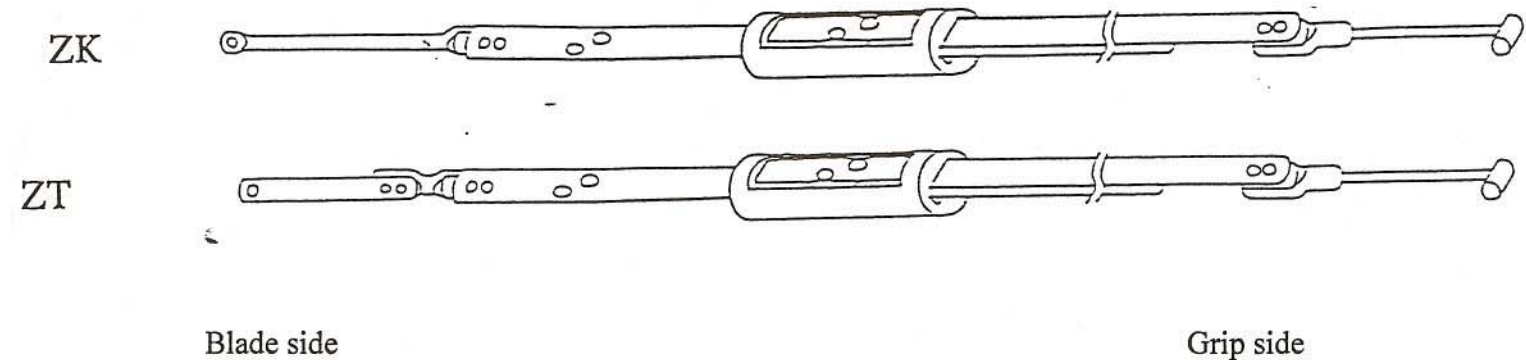
**5. Removing Extension Slide (Steel Band Set)**

The steel band set can be removed by pulling it out toward the blade end. It seems easiest to leave the steel band set inside the upper pipe and pull both out

of the lower pipe at the same time. The upper pipe has a white plastic piece at the lower end. Then pull the steel band set from the blade end to remove it from the upper pipe. You may need to turn the little “drum” at the other end of the steel band set to get enough clearance to pull it through the plastic piece.

The other option is to remove the white plastic piece from the upper pipe first by pushing in the prongs. Then the little “drum” has enough room to be pulled out from the blade end.

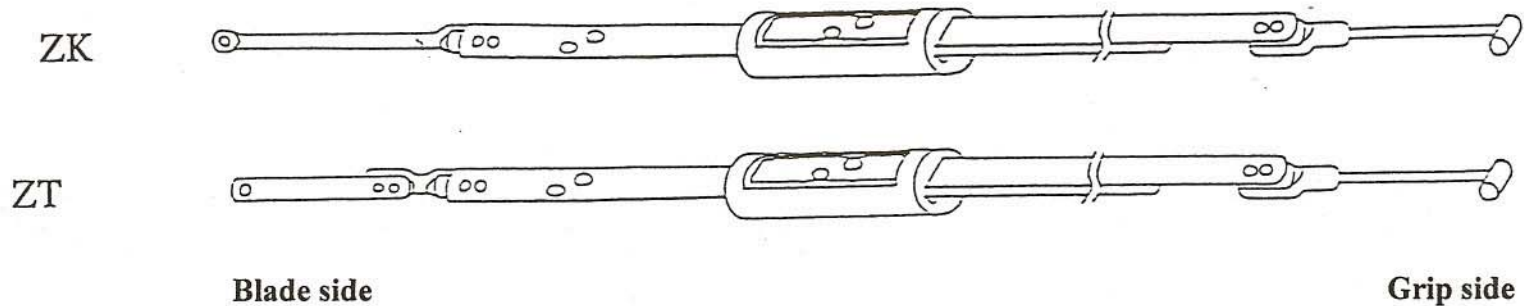
If the extension slide set is already separated into two metal bands, pull them out whichever way they will come out and discard them.





## ASSEMBLY

**Extension Slides (metal band sets) are shipped in “non-extended” position.** Take care that the two metal bands are not pulled out of the white plastic guide. To re-insert them requires a special tool and is almost impossible to do outside the factory. To hold them up, hold them by the white plastic guide (**not at any one of the ends**).



**NOTE: Fasten but do not tighten any bolts until done.**

1. If you have removed the white plastic piece from the bottom of the upper pipe, re-insert it now.
2. Insert steel band set from blade end with drum end first into upper pipe. If drum does not move freely through plastic part on bottom end, turn it until it does.
3. Insert upper pipe with new bands into lower pipe. Match groove. Drum end will appear in handle; rod cap (ZK version) or metal band (ZT version) should stick out at blade end.
4. **Attach Lever**
  - a) Insert Drum into lever.
  - b) Position lever into handle section.
  - c) Insert spring and center bolt and fasten.

**5. Joint Case**

- a) Position brass pins by pressing levers to be able to lock into holes.
- b) While holding pressed levers, slip Joint Case onto fully inserted pipes.
- c) Lock brass pins into holes; there will be a “click” when they lock in place.
- d) Insert red plastic spacers (pop into holes).
- e) Insert and fasten brass screws.

**6. Insert ZK or ZT red plastic fixtures (for blades); fasten to upper pipe.**

**7. Attach Blade**

- a) Seat “leg” of blade into red plastic section and fasten with bolt and nut.
- b) Fasten blade section to metal band set. Screw is inserted through metal band set first and then into blade section. Fasten with bolt on blade side.

**NOTE: ZT-unit needs 2 washers – one on each side of the metal band!**

**Test Unit**

Cut into cardboard box. If unit works, it will grab it. Otherwise it will slip. Do this test at every extension hole.

**IMPORTANT: Now tighten all screws properly.**

