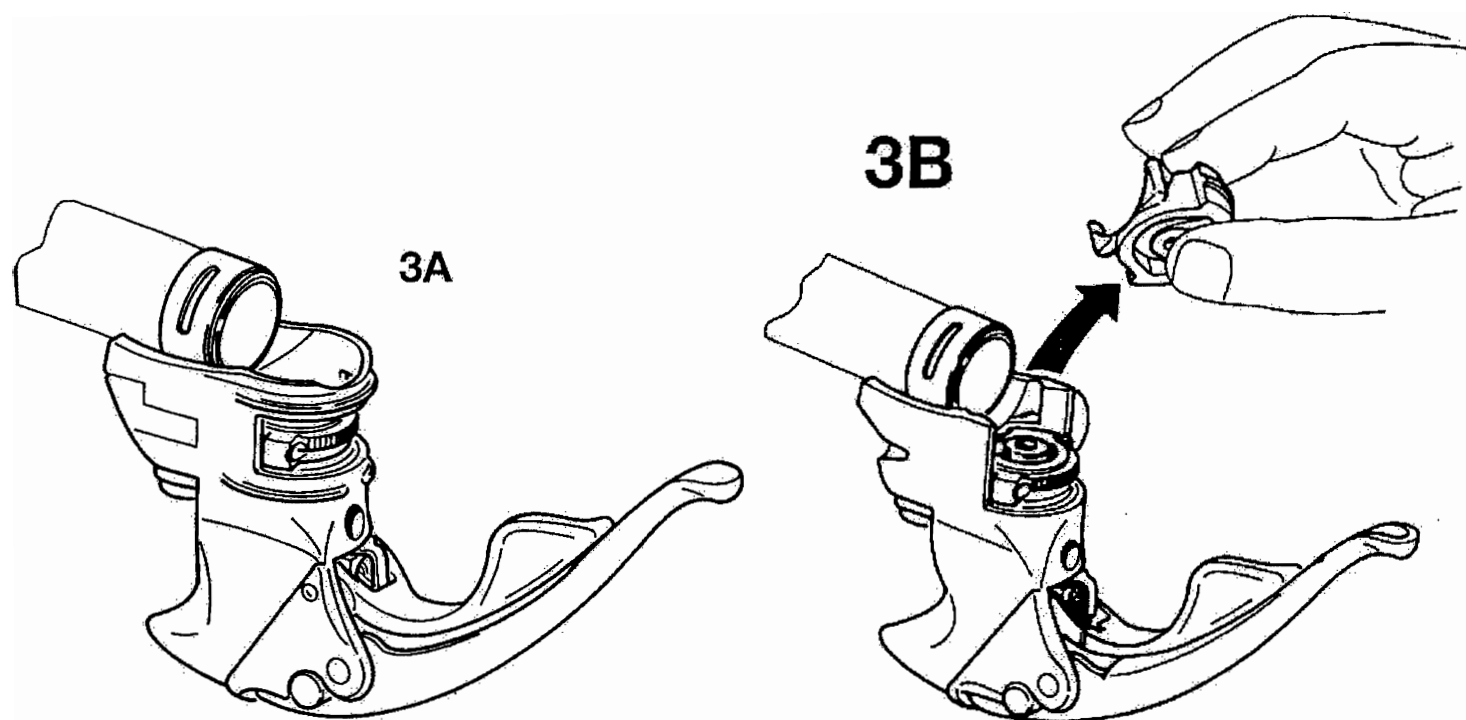




1992-1997

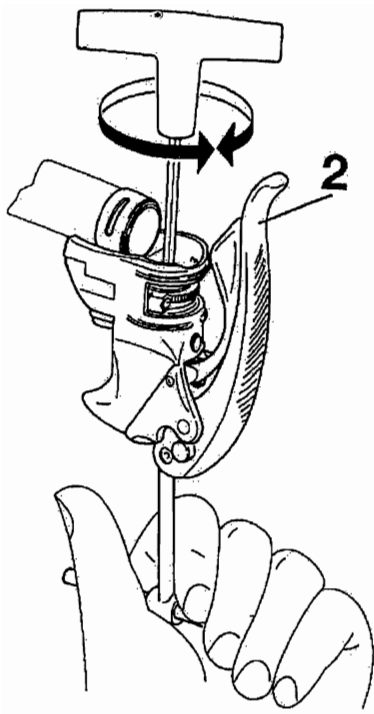
**Ergopower
Overhaul
Manual**



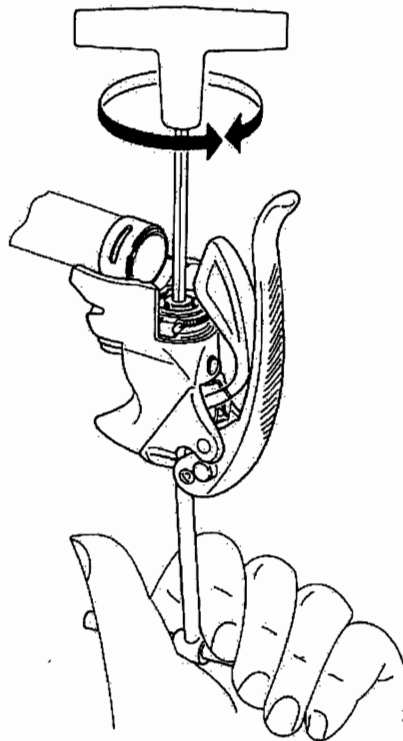
Clamp a piece of tube the same diameter as a piece of handlebar, in a vice.

Fasten the Ergopower to the end of the tube as shown (3A)

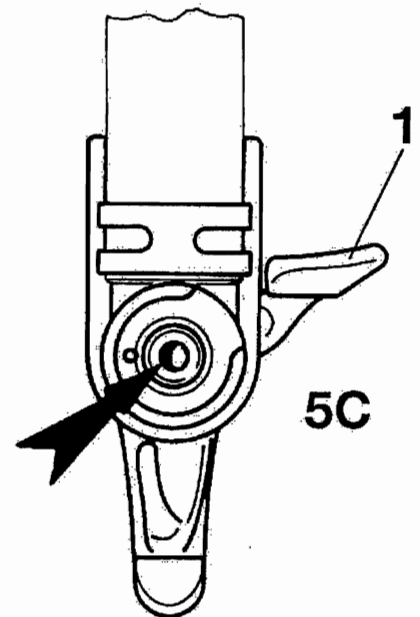
If the Ergopower is a composite body, remove the dust cap from the mechanism, (3B).



5A



5B



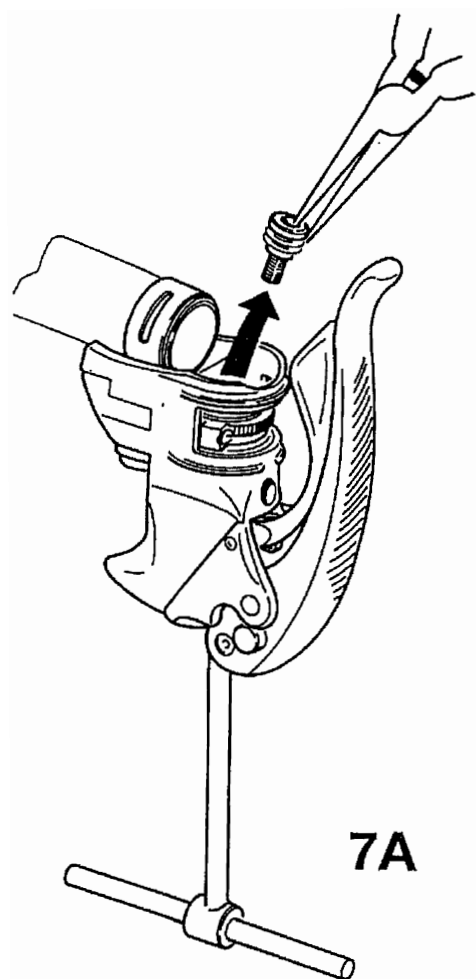
5C

Shift thumb button (1) back to initial position.

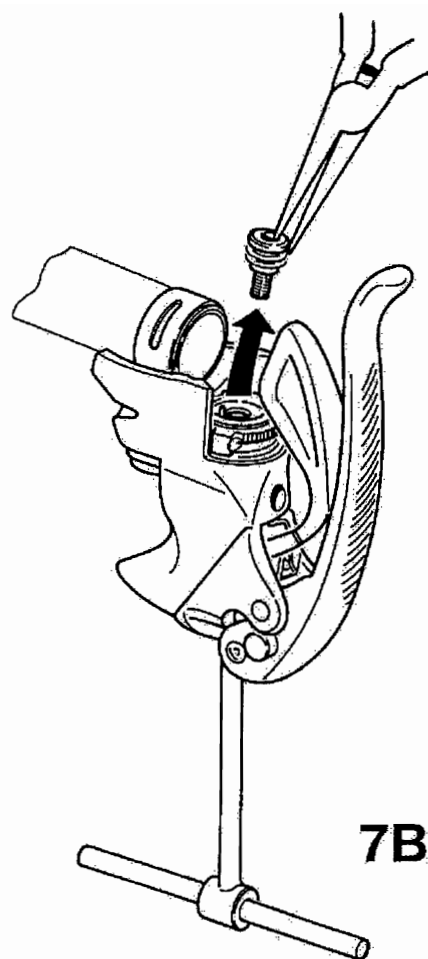
Close Brake lever (2) and insert a 4mm Allen wrench to hold central pivot shaft. (5A and 5B).

Use second 4mm Allen wrench to loosen fixing bolt on rear of mechanism (5C).

NOTE: To loosen, turn left for left hand control and right for right hand control.



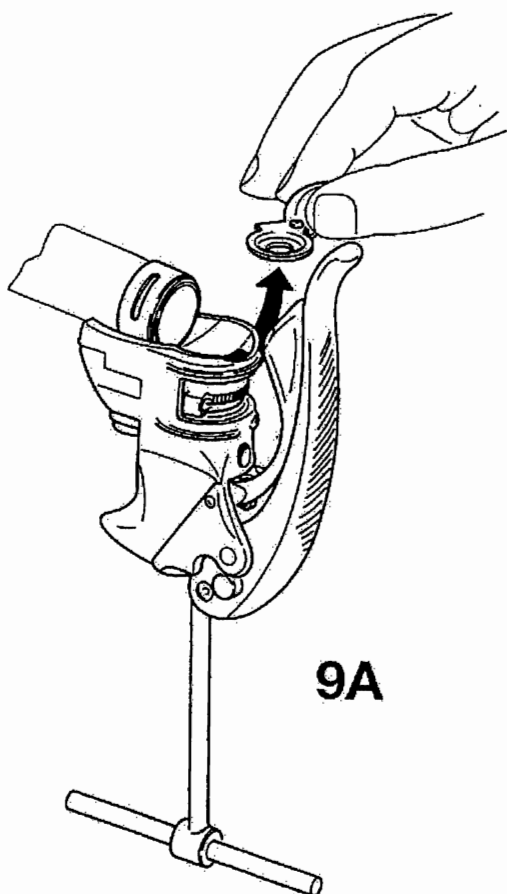
7A



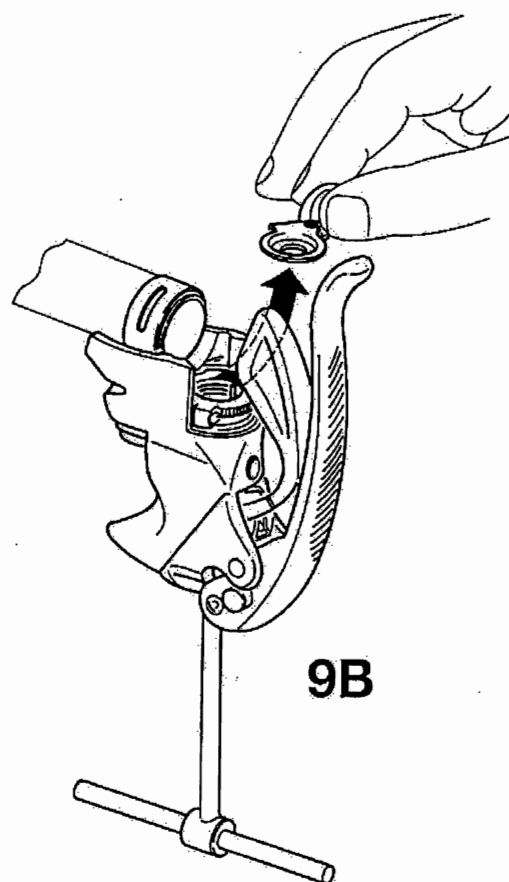
7B

Completely unscrew the fixing bolt and use the pliers to remove it and any shims on the bolt (7A and 7B).

Be sure to keep the allen wrench in the front of the Ergopower immobile at all times during the procedure.



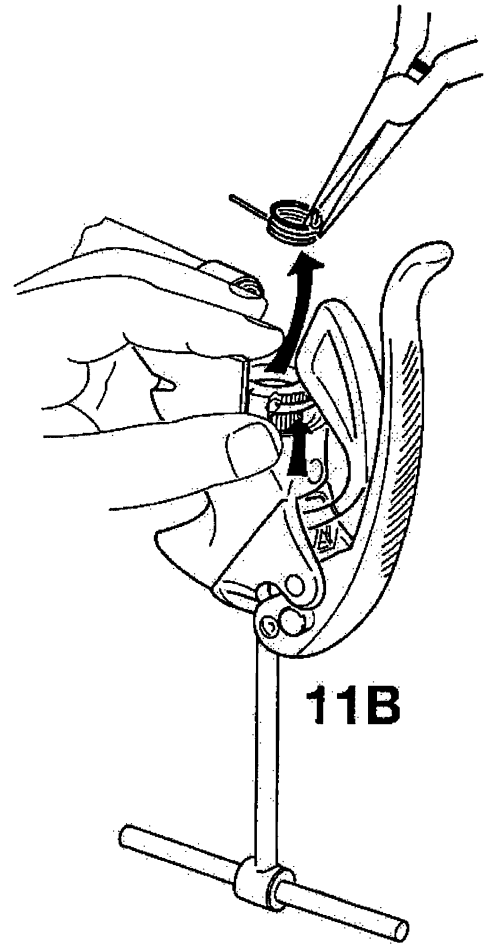
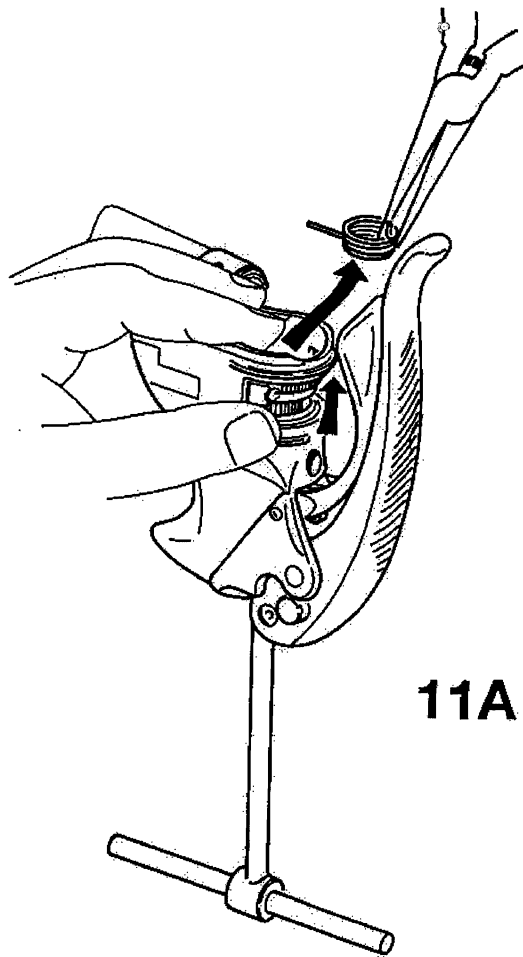
9A



9B

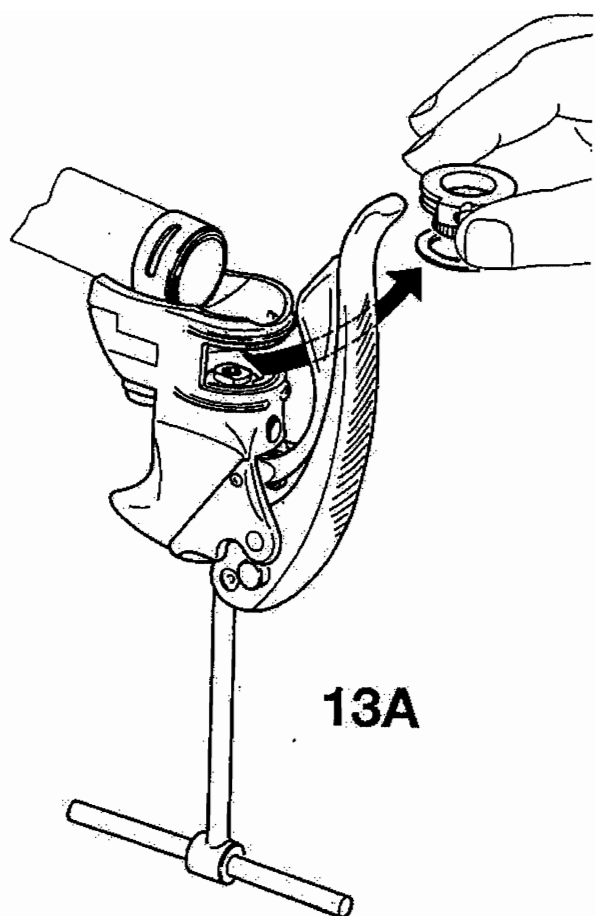
Remove the thumb button from its position while detaching it from the return spring (9A and 9B).

This operation will be easier on the composite bodies because the dust cap has been removed already (9B).

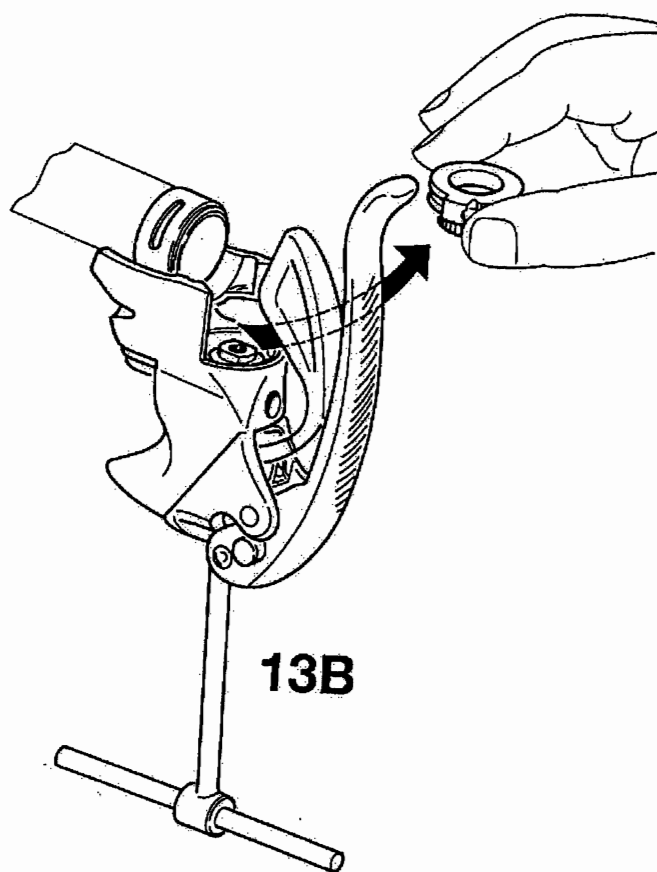


Use the pliers to remove the return spring from the toothed ring (11A and 11B).

For aluminum bodies, lift the toothed ring partially from its position then remove the return spring (11B).



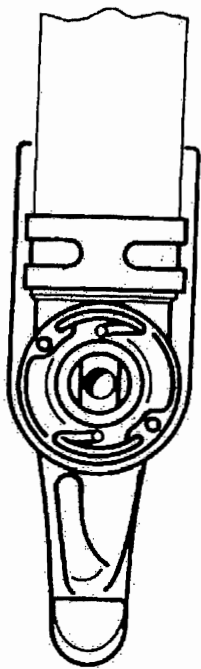
13A



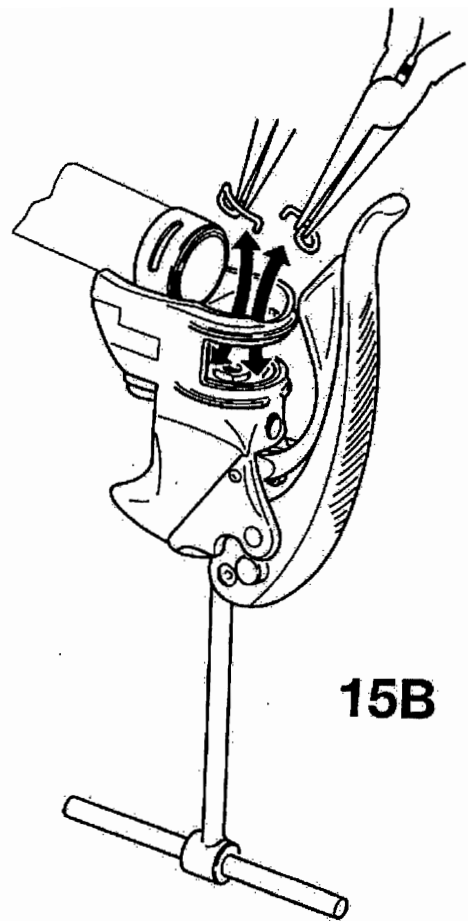
13B

Remove the toothed ring from its position (13A and 13B).

For the aluminum body, also remove the washer directly under the toothed ring itself (13A).



15A

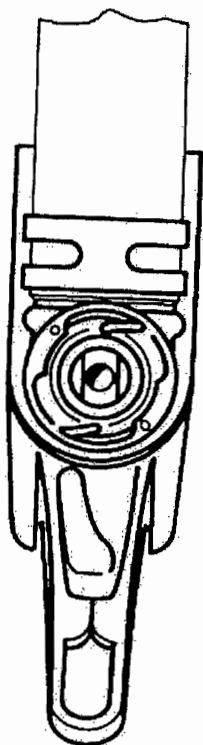


15B

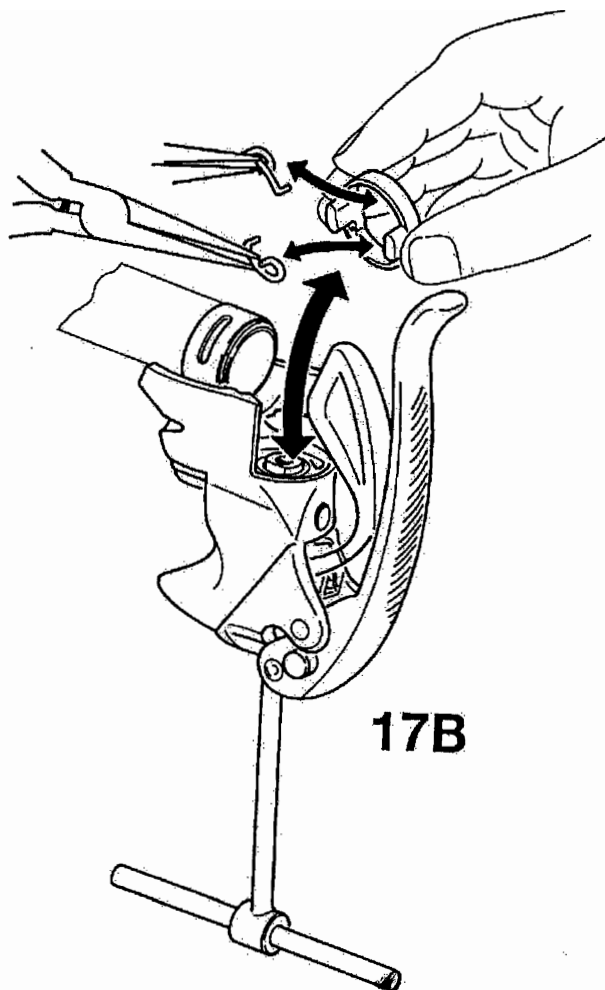
With the aluminium body, you may gain access to the two index springs when the toothed ring is removed (15A).

The springs may be removed with pliers (15B).

NOTE: Be sure to clean and regrease the spring working area.



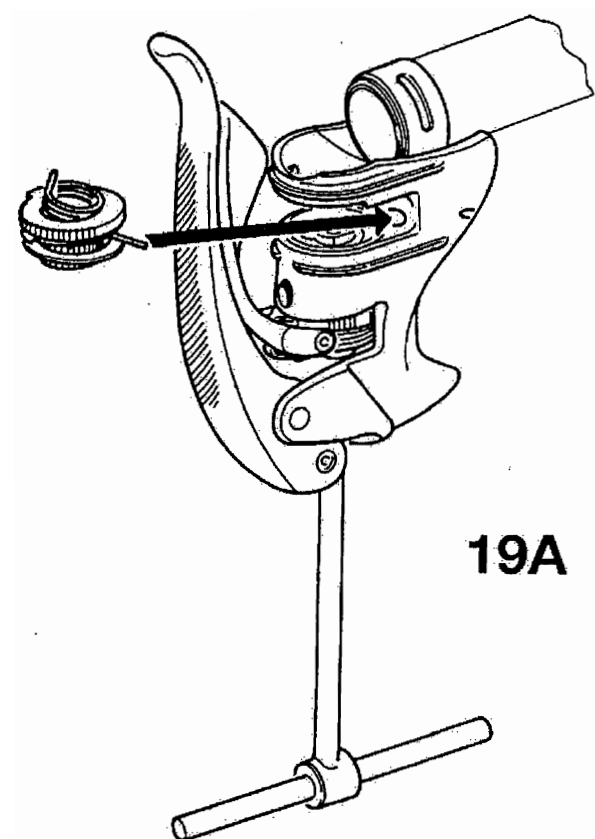
17A



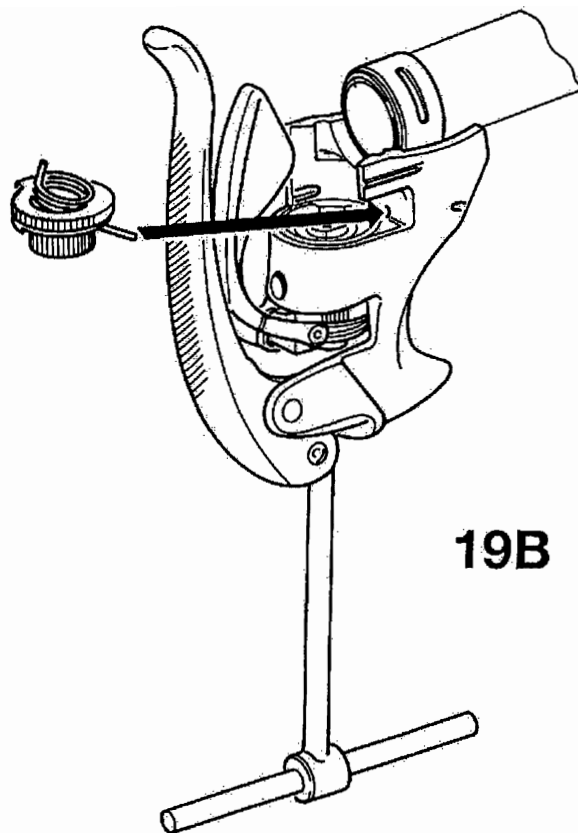
17B

You must remove the spring carrier ring in order to remove the springs on the composite bodies (17A and 17B).

After cleaning and regreasing the spring working area, replace the springs.



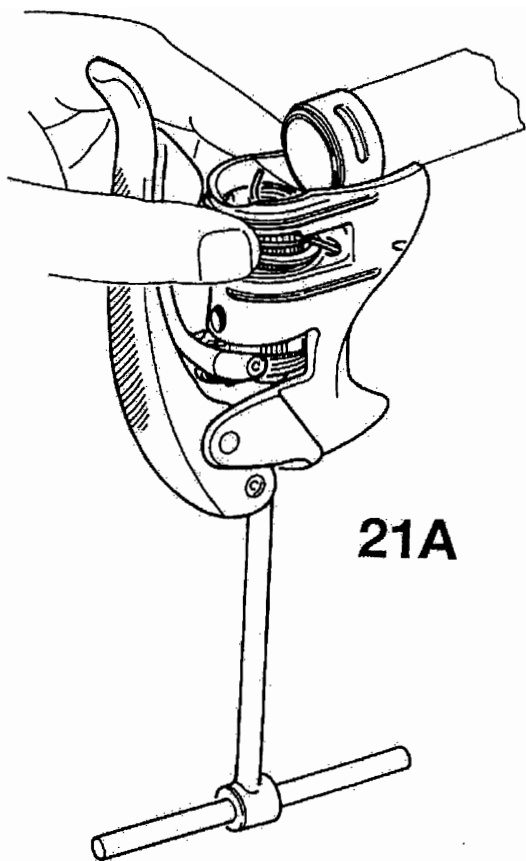
19A



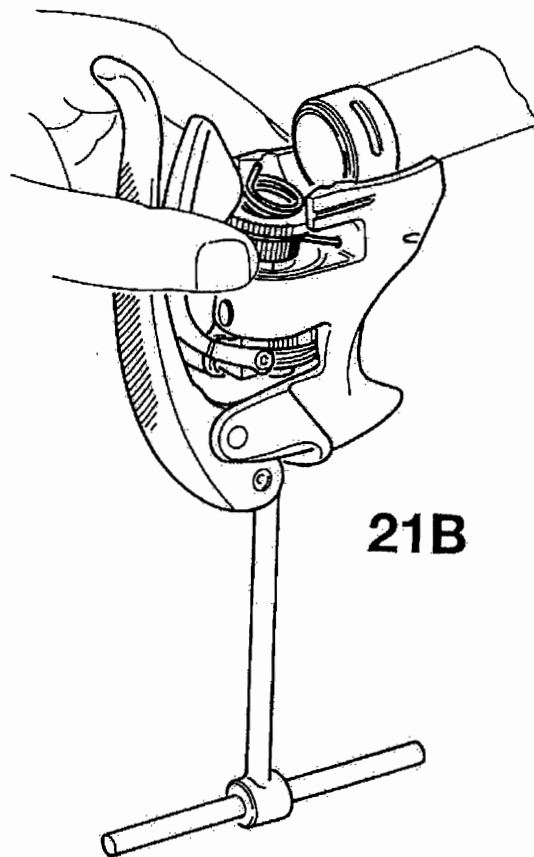
19B

Reinsert the return spring into the toothed ring. Turn the horizontal arm outwards so it will seat into the hole in the body of the Ergopower (19A and 19B).

Do not install the return spring completely into the toothed ring as shown (19A and 19B).



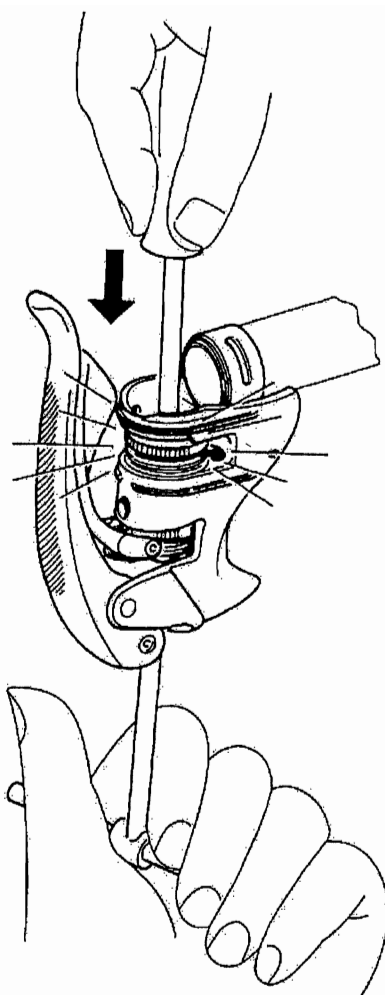
21A



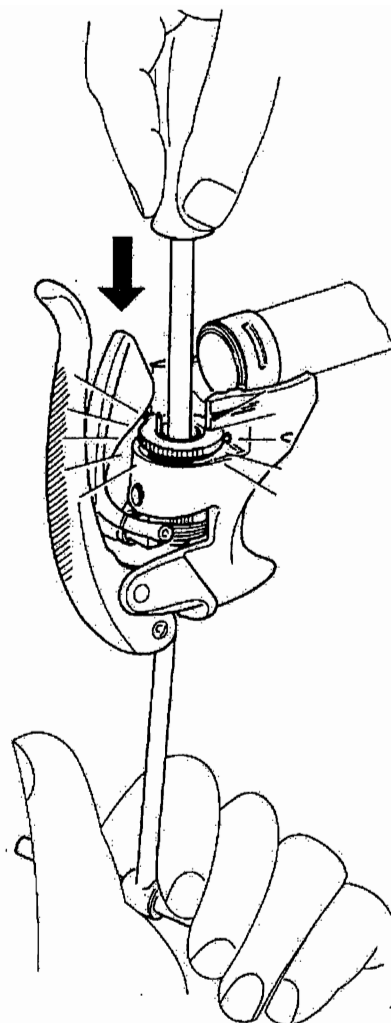
21B

Position the toothed ring in its location in the body.

Be sure to get the horizontal arm of the return spring inserted in the hole on the body (21A and 21B).

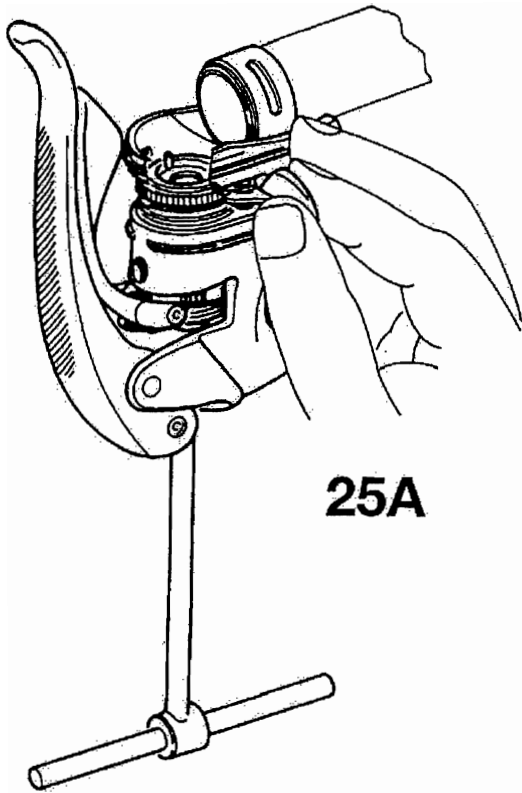


23A

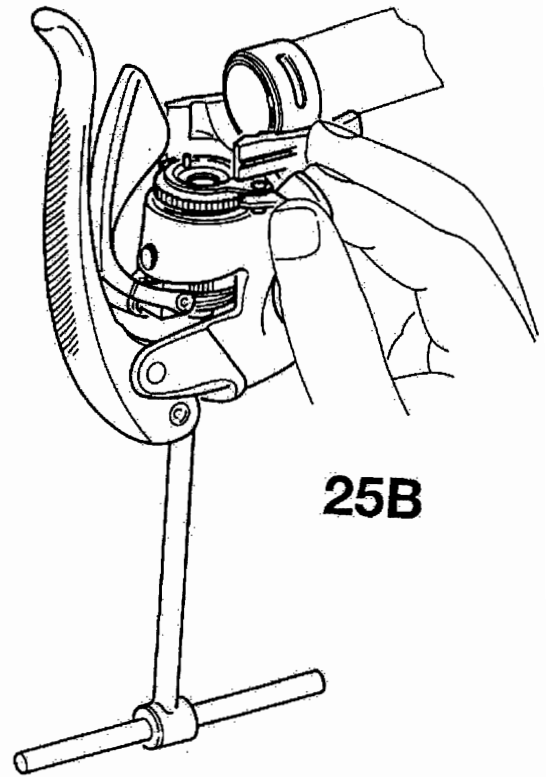


23B

Using a 17mm socket, push down on the toothed ring to seat it in its location. Be sure to keep the 4mm allen wrench still while doing this procedure (23A and 23B).



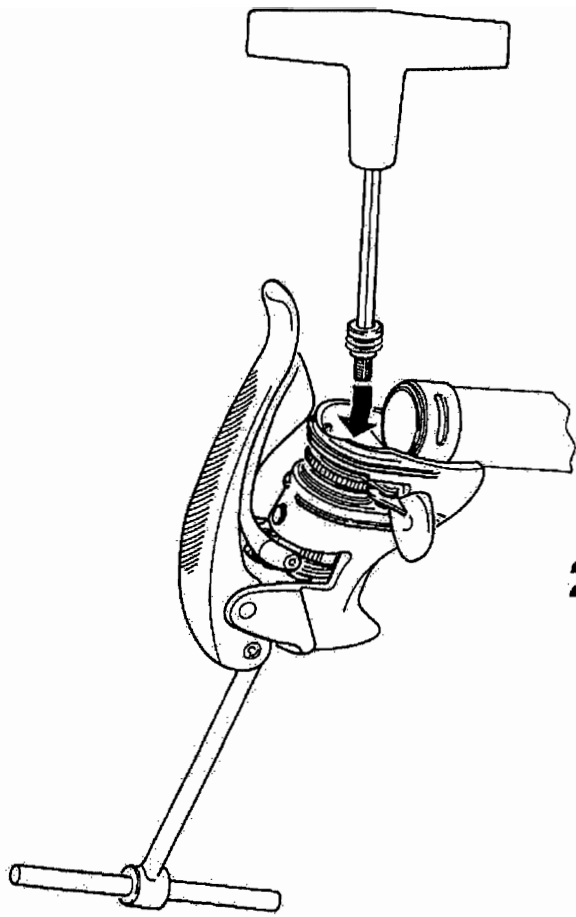
25A



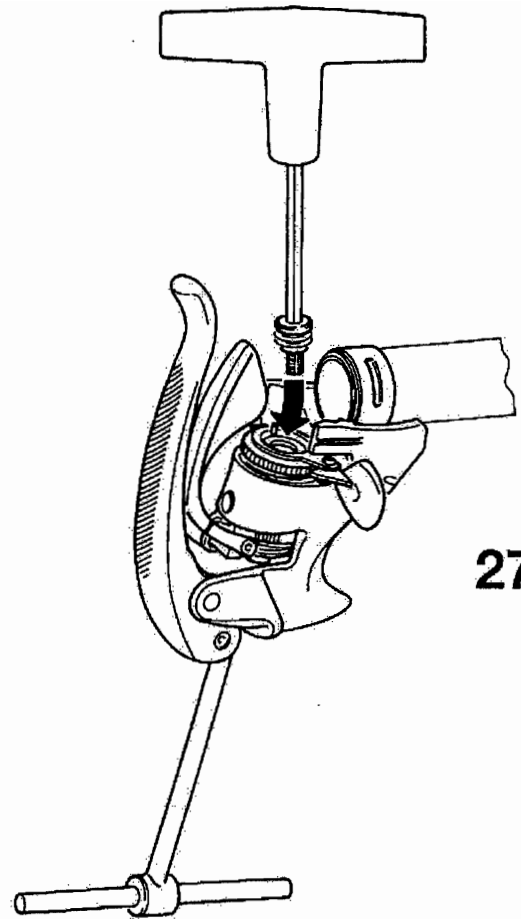
25B

Reinstall thumb button

Make sure to engage the vertical arm of the return spring with the small hole in the thumb button during installation (25A and 25B).



27A



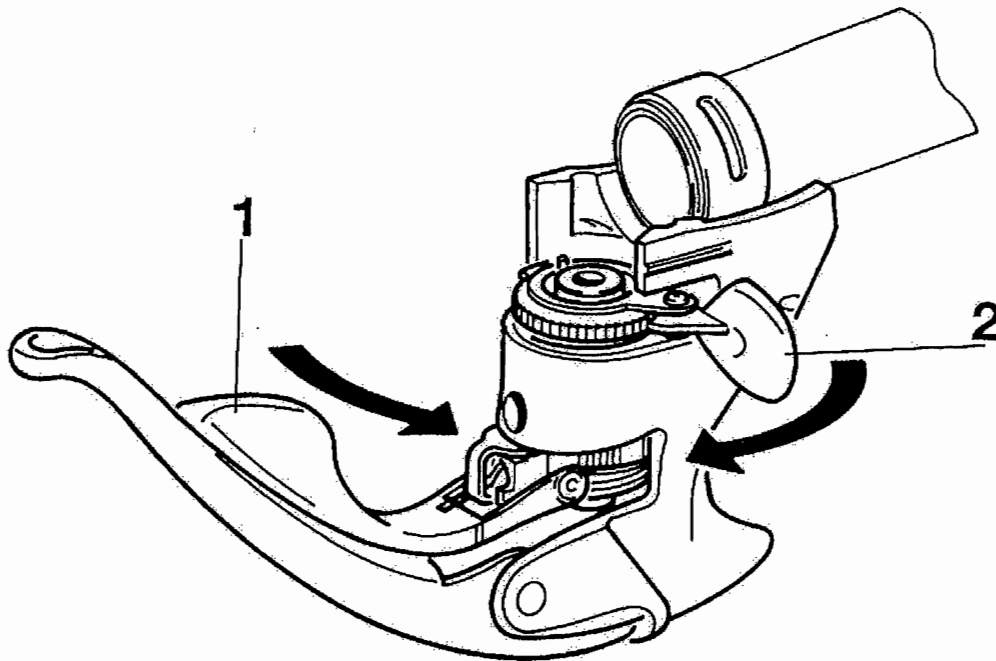
27B

Insert fixing bolt along with shims.

Tighten while holding the central pivot shaft firmly with the 4mm allen wrench in the front of the mechanism (27A and 27B).

Turn to the left on a right hand lever.

Turn to the right on a left hand lever.



After securing the fixing bolt, operate both levers 1 and 2 to be sure the mechanism works properly. Do this operation several times

If you have a composite body, install the dust cap.