

XPAN / Fuji TX-1 / Fuji TX-2 30mm Viewfinder Bubble Level Replacement.

Package Content

- 1) Level bubble spare part x 1
- 2) 0.15mm spacer x 6
- 3) 0.2mm spacer x 6
- 4) 0.3mm spacer x 6



Tools & Materials

- 1) PH00 screw drivers
- 2) Tweezer
- 3) Glue, do not use epoxy or speed glue. GSE T-7000 is recommended, as it provide time to adjust the level, reasonable strength and can be removed and cleaned easily.
- 4) Level bubble spare part.

Note: spacers are not a must for the repair. They are for backup purpose.

Dismantle Procedure

Below uses Fujifilm 30mm viewfinder as an example. XPAN is the same.

| | |
|---|--|
|  | <p>1. Unscrew the protection ring from the eyepiece.</p> |
|  | <p>2. Remove the 4 screws on eyepiece.</p> |



3. There are 2 screws on the viewfinder left and right, unscrew them and remove the front mask.



4. Remove the indicated mask by tweezers. It is glued, gently remove it.



5. There are two hidden latches inside as indicated, press the lower case slightly inward during dismantling the case. You may use thin tool to help.

Note: The latches are fragile, please do it with care.



6. Press slightly inward as indicated during disassembling.



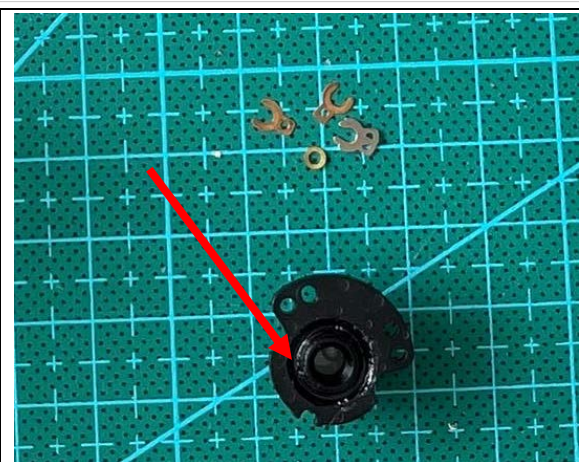
7. Here is the dismantled case. Put aside the lower part as the spirit is on the upper case.



8. Remove the indicated part by unscrewing the locked screws.



9. Unscrew the level spirit screws. Your viewfinder may or may not have the space as illustrated. The spacers are for leveling but it is not the key component. Some viewfinders do not have the spacers, some have 1 pc, some have 2 pcs.



10. The level spirit is glued, remove the glue carefully with tweezers or tool.



11. Here is the part to be replaced.



12. Some level spirit has frosted glass, but some are clear. It happens in all XPAN and Fuji TX1/TX2 viewfinders. Our replacement is a clear version. It is not a mistake.



13. This is our replacement part, a clear version. Besides, we adjust the liquid content, so that it will not dry out easily. However, thicker liquid will have slower bubble movement. Our liquid content is well balanced, therefore performance will not be affected.

Installation and Adjustment



1. We recommend to put back the spacers and secure the screws as original.



2. Apply glue as indicated. Adjust the spirit so that the bubble is on the center.

Note: You will need to adjust on a **leveled working surface**. You may use the extra spacers included if you have difficulty in leveling. Usually you do not need them.



3. Assemble the upper and lower viewfinder case. Secure the viewfinder on a leveled camera, adjust the level from upper. You may find the spare part surface is not parallel with the surface of upper case, it is NORMAL. Picture on left is viewfinder from Fujifilm. The level spirit is slightly angled.

Note: Adjust it carefully and patiently. It may take you several rounds to have a perfect leveled. We also need to do it several times. Wait a few hours until the glue is completely dried out.

4. Reverse the dismantle step to assemble the viewfinder.

Appendix

We found that the viewfinder does not have standard number of spacers. Some viewfinders do not have spacers inside, while some have more spaces. Therefore, spacers are only for rough adjustment. The fine tweaking will be by directly adjusting the spirit part itself.



Disclaimer

This instruction may not cover all aspects of work and incident during the repair, which is solely for proper skilled and qualified person. Before performing service on the viewfinder, read this instruction in its entirety for the service to be performed. Only perform repairs for which you have proper skills and appropriate tools. You may consult nearest specialist to have the repair.

SH Cameras Co Ltd and its associates and employees and director accept no liability for damage, injury or any legal responsibility incurred directly or indirectly from the use of this product. The user shall observe safe and precaution practices including, but not limited to, those set forth in this document.