

Uniden/Tempo 2020 sprocket replacement

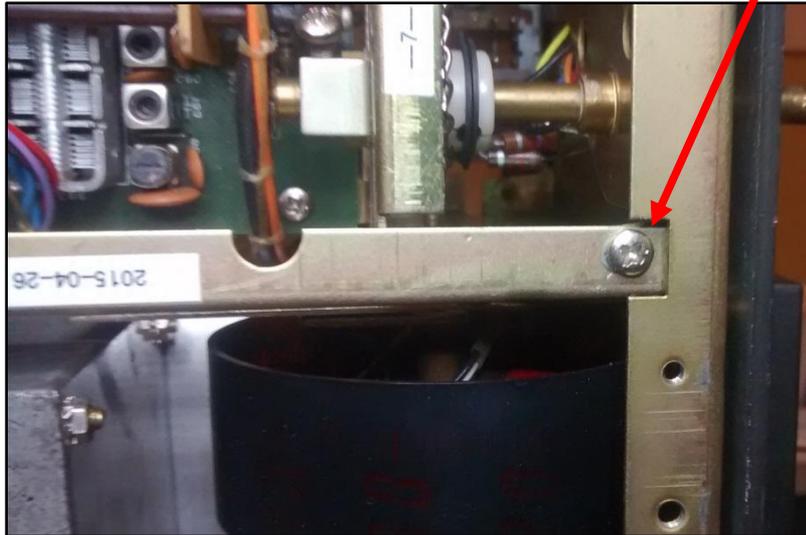
Use this procedure to replace cracked Uniden sprockets
with reproduction ABS sprockets from Gregory NR6C.

Visit www.temposprockets.com for more details.

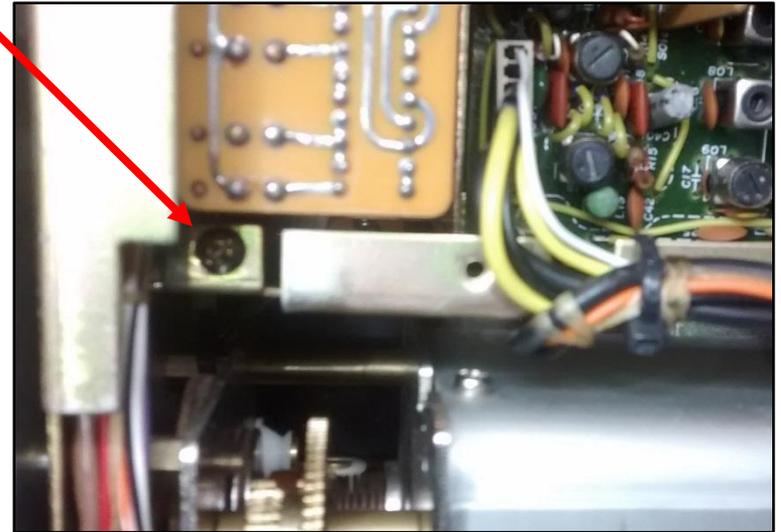
N4PL & NR6C

2016-04-02

1. Set PRESELECT to CCW
2. Set BAND to AUX (27 MHz)
3. Remove cabinet. Watch for the speaker cable !
4. Remove bezel.
5. Release front panel (two screws)

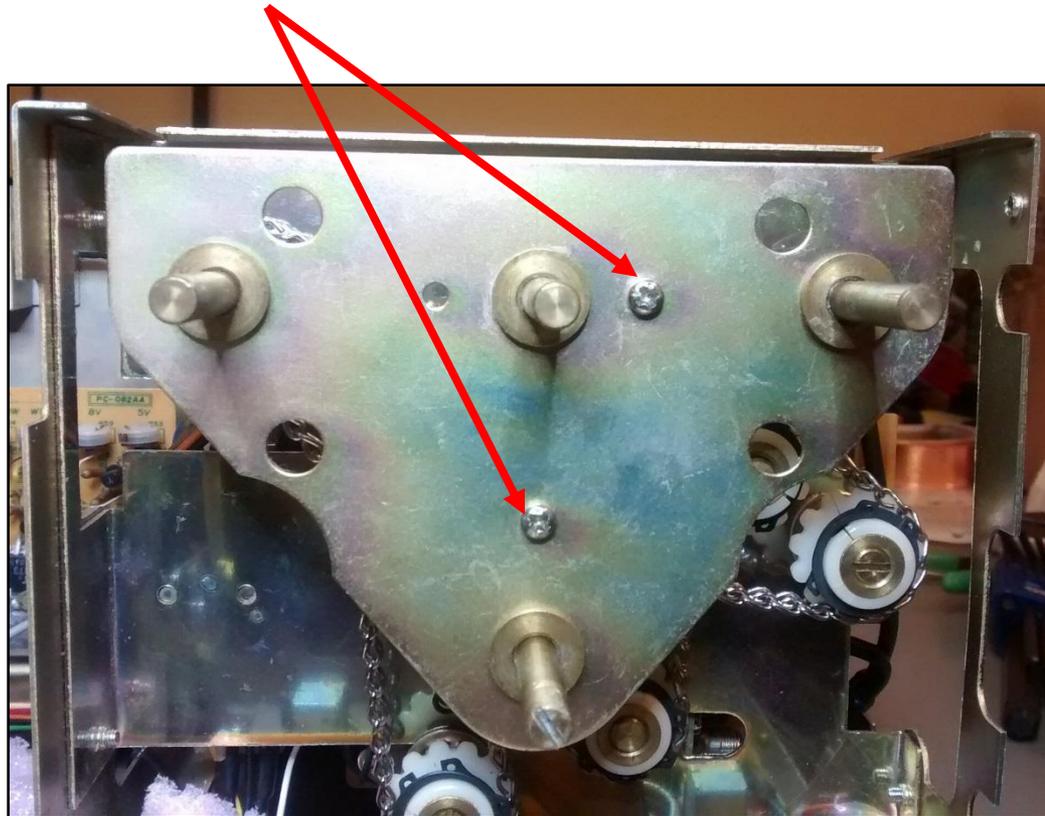


TOP SIDE



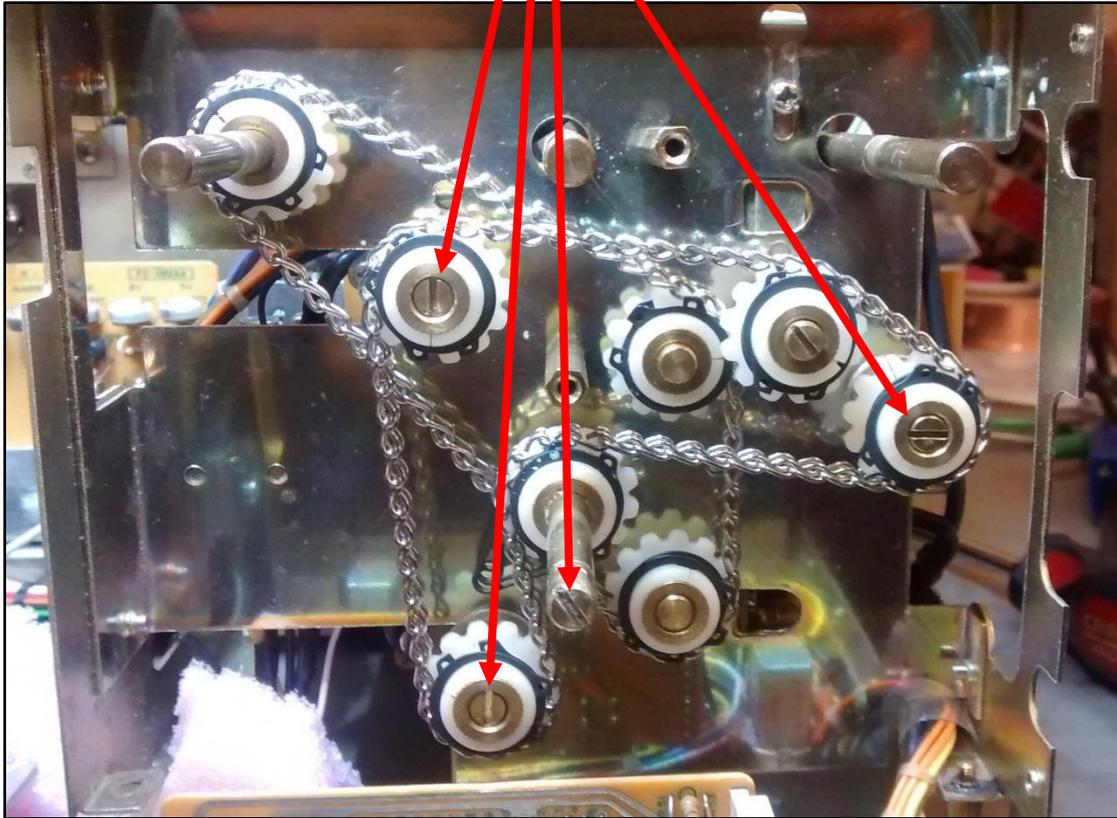
BOTTOM SIDE

6. Remove BAND, PRESELECT, PLATE and LOAD knobs (use 1.5 mm Allen key)
7. Tilt front panel forward.
8. Remove two screws holding guide plate.



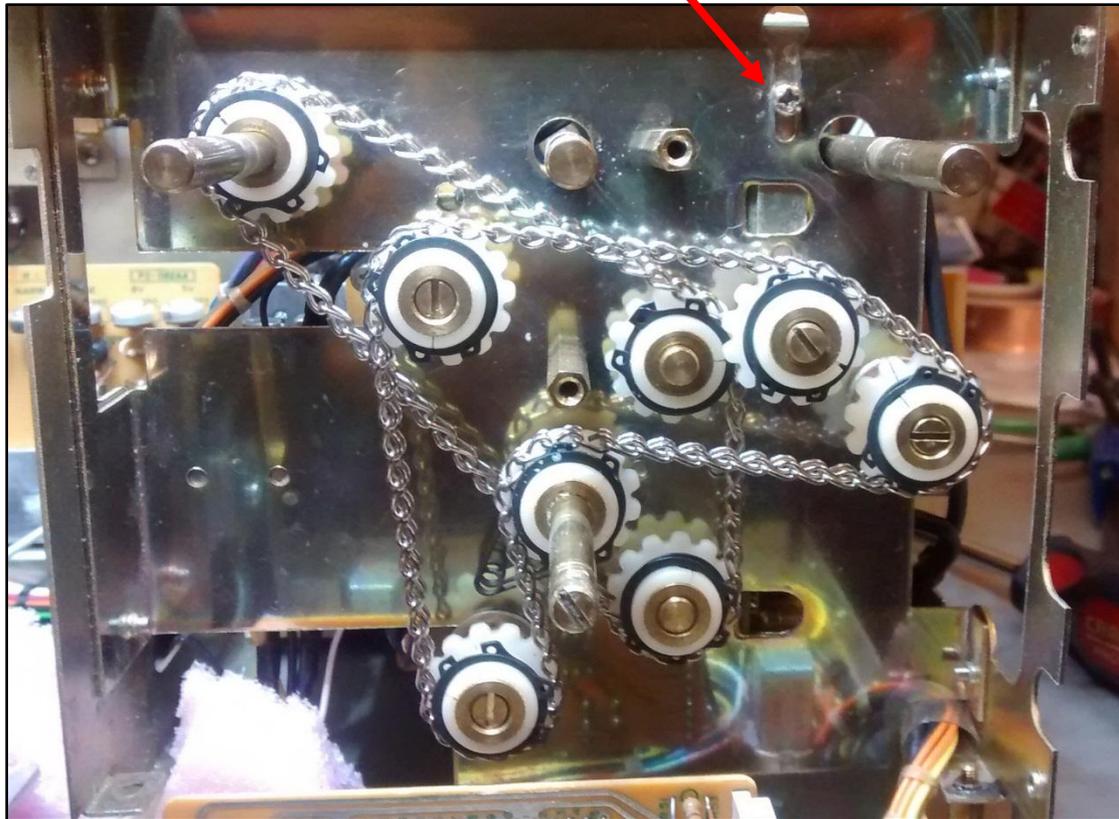
9. Slide plate out.

10. Note slot position on BAND shafts, they need to line up as shown:

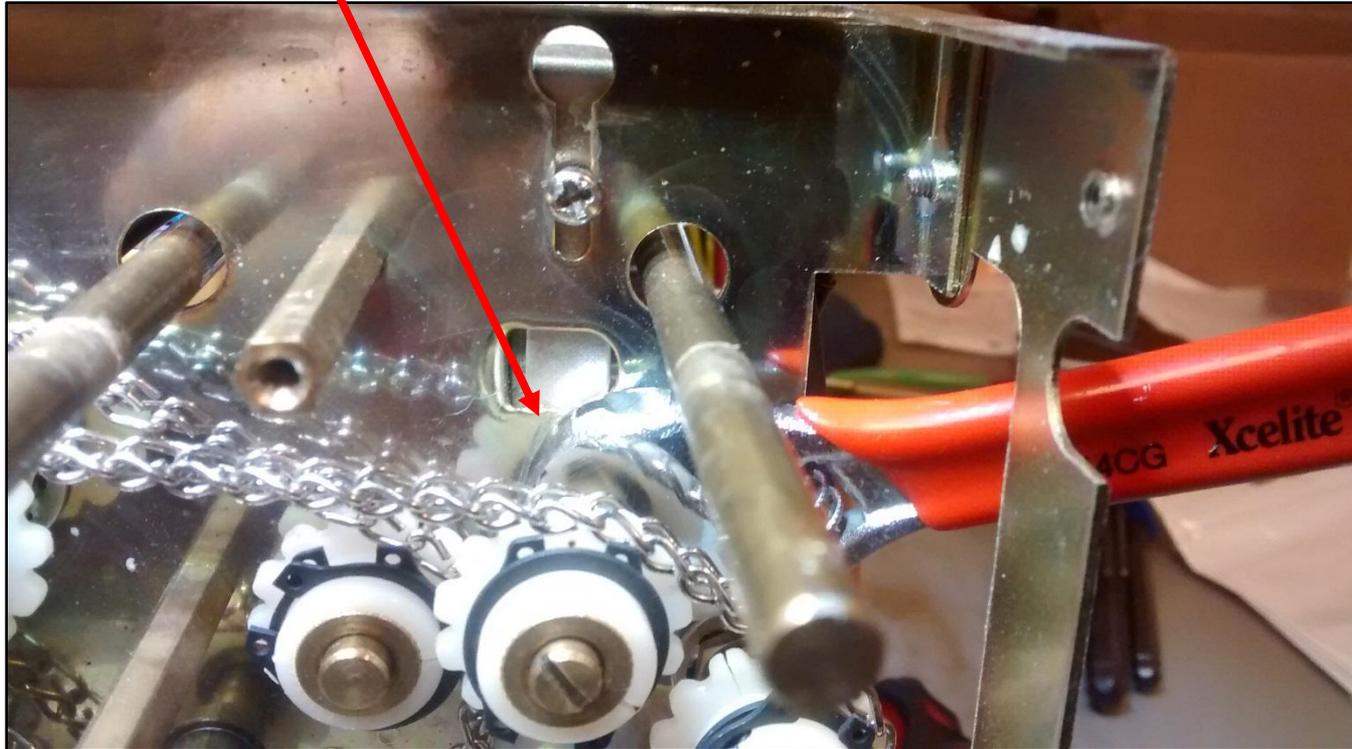


NOTE: this example shows radio with old sprockets braced with C-clips to prevent further cracking. See Tempo 2020 forum file section for more details.

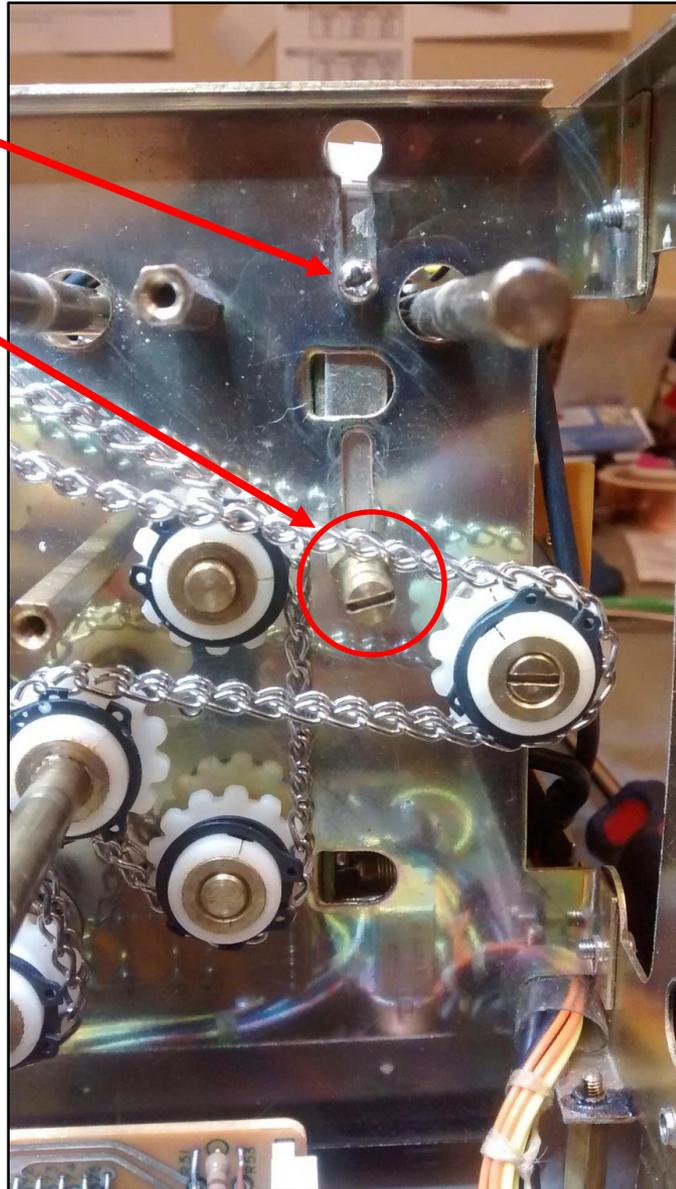
11. Rotate idler sprocket holding screw a few turns (do not take it out)



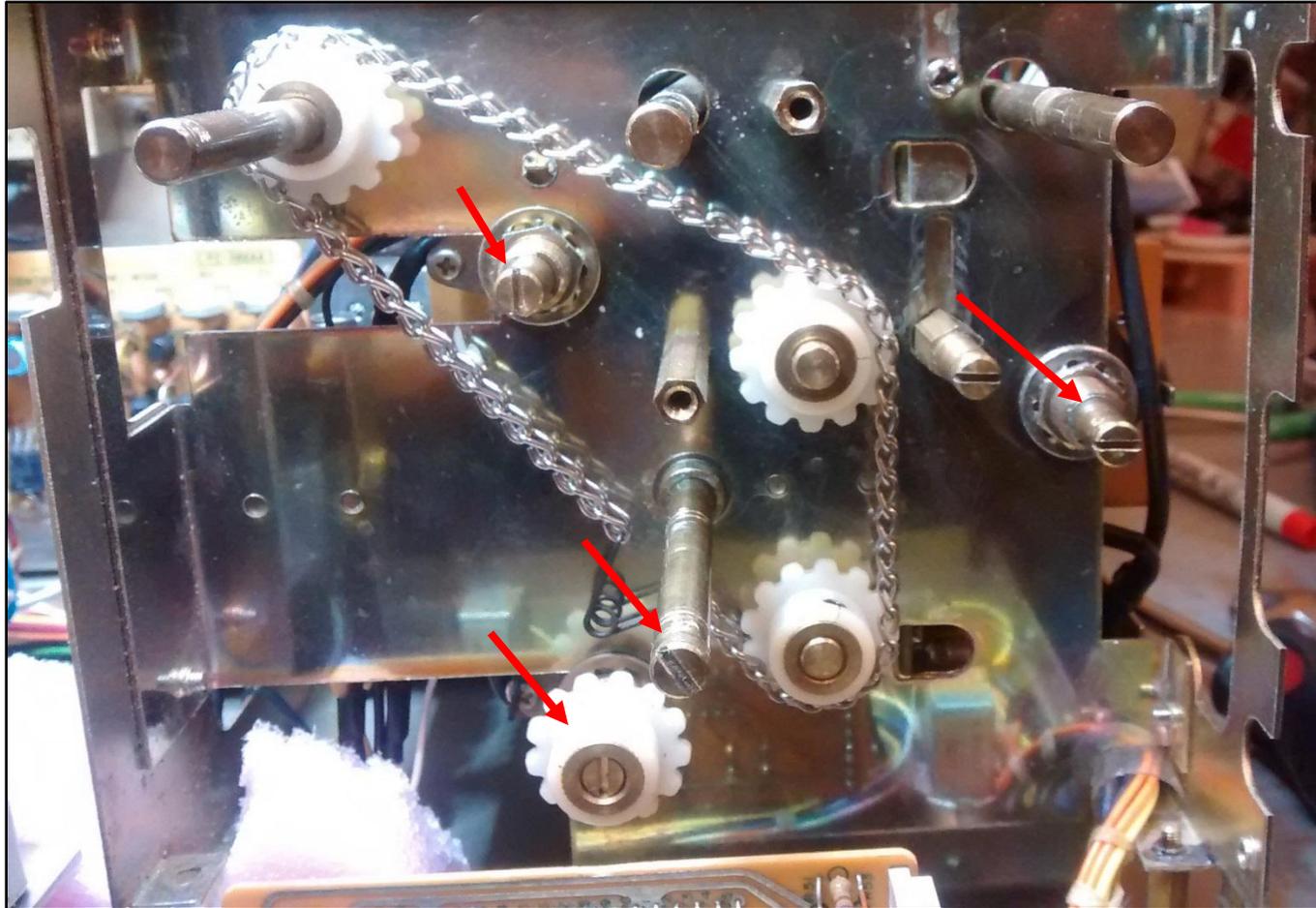
12. Use 7 mm wrench (or adjustable open end wrench, as shown) to loosen the idler shaft.



- 13. Slide idler shaft down
- 14. Remove idler

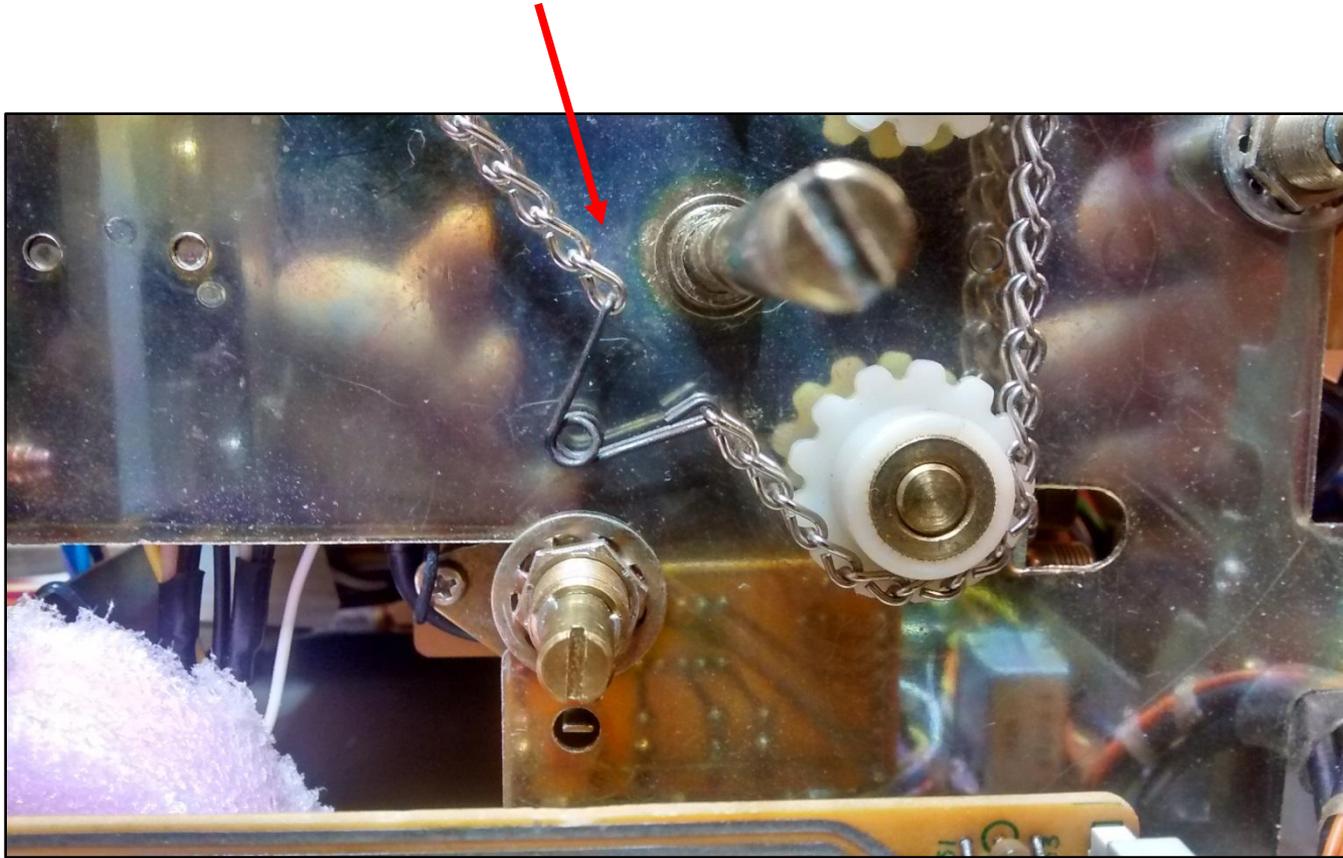


15. Loosen set screws on BAND shafts and slide out old sprockets



NOTE: you may want to rotate band shafts for easy set screw access but then return to the detent position. Important: only when in AUX position all switch detent positions line up. Also note that the PA BAND switch has 10 positions while PC-092, PC-075 and PC-076 have 11 positions! The PA BAND switch limits the other switches rotating range.

16. Note PRESELECT chain spring position:

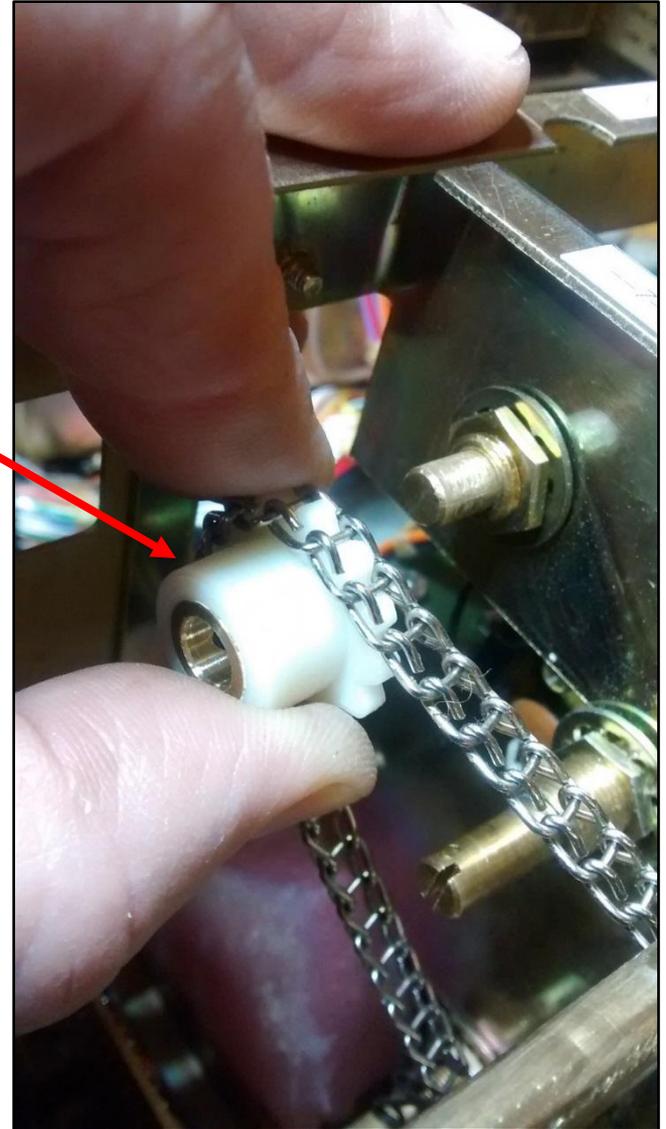


NOTE: with PRESELECT set to CCW all capacitors will be fully closed. If they are not, this will be the opportunity to align them.

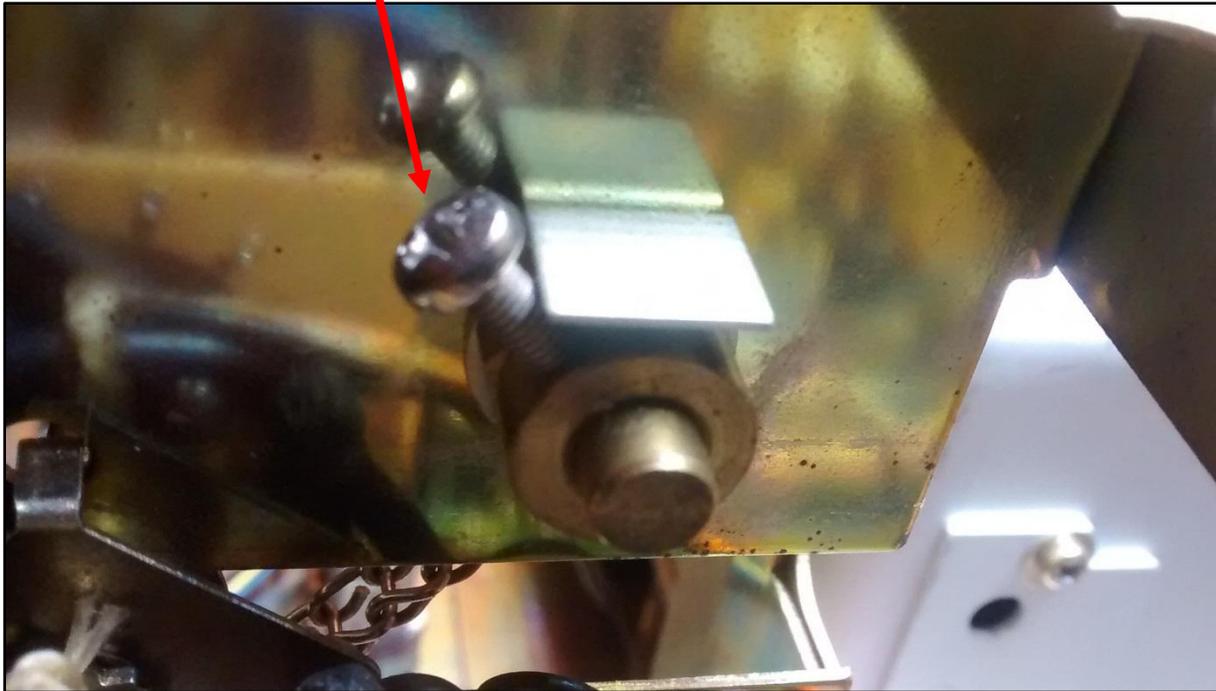
17. Remove driver tube 12BY7A.
18. Loosen set screws on PRESELECT shaft
19. Pull PRESELECT shaft toward the PA
20. Release drive sprocket
21. Remove chain

22. Remove remaining old sprockets.
23. Use jeweler's file and clean burrs off shafts where old set screws seated.
24. If needed, lightly polish shafts with crocus cloth or fine sandpaper.

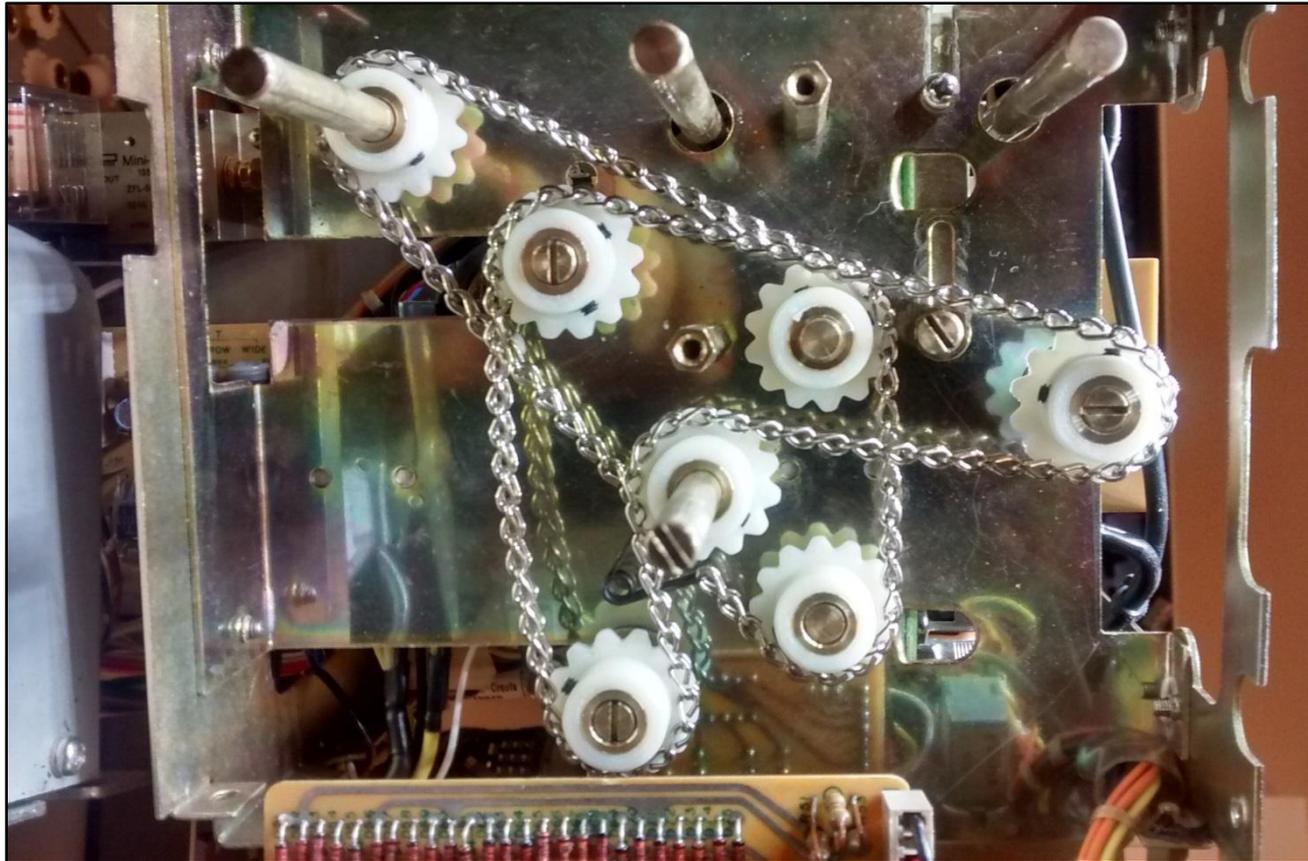
NOTE: NR6C' sprockets are made exactly to shaft spec and will not fit if shaft surface is uneven



25. Install new sprockets.
26. Do not tighten set screws yet.
27. Orient shaft limit screw as shown:

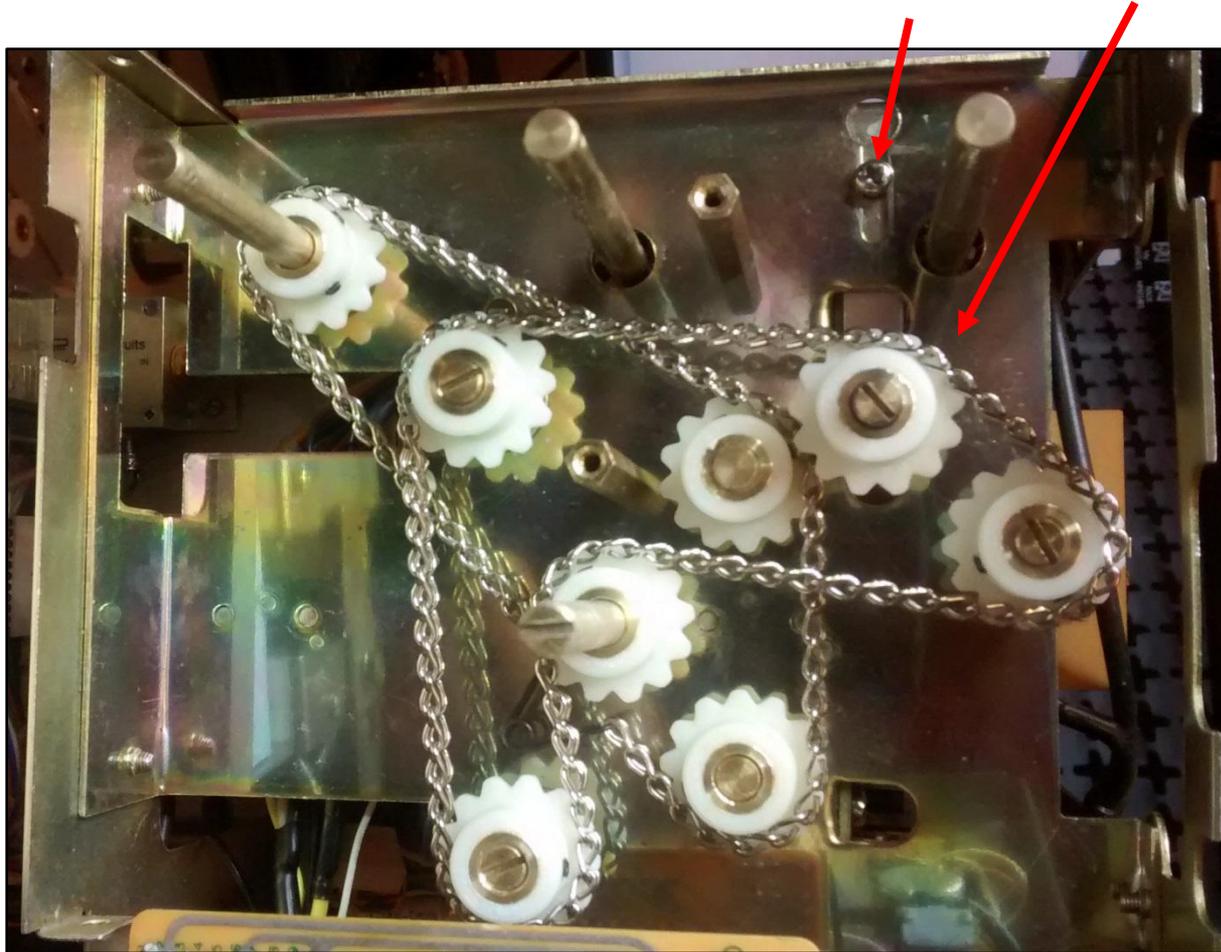


28. Install PRESELECT chain paying attention to spring position.
29. Verify capacitor alignment (should be fully closed).
30. Tighten set screws on PRESELECT sprockets.
31. Rotate to verify proper operation and return to CCW.
32. Install BAND chain:



Use 0.050 inch hex wrench to tighten set screws.

37. Mount idler sprocket (it has no set screws).
38. Verify proper BAND switch shaft orientation (see previous page photo).
39. Adjust idler for proper chain tension and lock it (screw and stand-off).



40. Tighten set screws on BAND shafts.
41. Test BAND switch operation and return to CW position.

42. Mount guide plate.
43. Insert driver tube in socket.
44. Reassemble radio.

No more jerky PRESELECT or intermittent BAND switch operation !

END