

~~When the Worm (Gear) Turns~~



So that's what's been happening, eh!

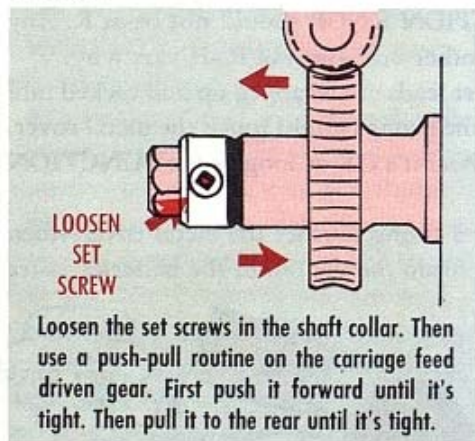
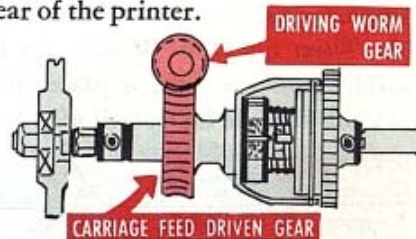
The printer in your Teletypewriter Set has been jumpin' a little. Maybe not spacing right. A little whip-lash effect. Some lines look sort of ragged, with too much space between some characters and others squeezed together.

Happens on the AN/FGC-20 and AN/FGC-25 Teletypewriter Sets—on their Teleprinters TT-98/FG, TT-99/FG, TT-100/FG, TT-117/FG and TT-119/FG. To mention a few.

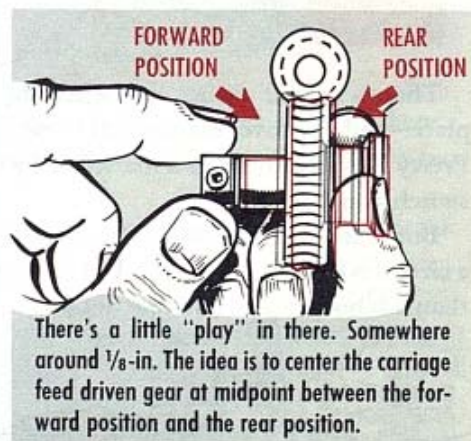
It's all in how the driving worm gear meshes with the mesh on the carriage feed driven gear. You see the two of them at the rear of the printer.

Unless those two gears are lined up dead center with each other, you're going to end up with unmeshed gears . . . rapid wear . . . and visible evidence on the paper of what happens when those gears don't get together right.

All a repairman needs is maybe a couple of hands and 12 or 15 seconds to line 'em up.



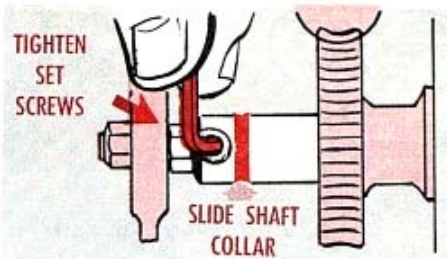
Loosen the set screws in the shaft collar. Then use a push-pull routine on the carriage feed driven gear. First push it forward until it's tight. Then pull it to the rear until it's tight.



There's a little "play" in there. Somewhere around 1/8-in. The idea is to center the carriage feed driven gear at midpoint between the forward position and the rear position.

Things get a little eye-straining about now, so sort of remember that the distance between the back face of the carriage feed driven gear and the machined surface of the base casting is about 1 1/8 inch. But that distance will vary maybe three or four cat hairs from one printer to another.

Line the gears up—and when they're lookin' each other square in the eye—hold the carriage feed driven gear in place and slide the shaft collar against it. And tighten the collar set screws.

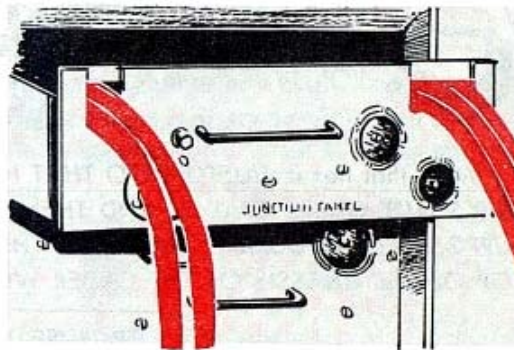
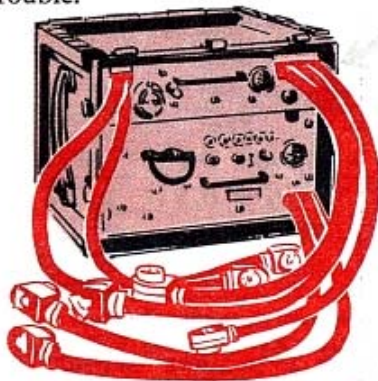


Wrap things up by checking two related adjustments—like mentioned in the TM. One on the carriage feed shaft ratchet wheel and the other on the carriage feed shaft drive shaft collar.

And your spacing problems are squared away.

~~Lay It Gently~~

Even though a good repairman handles his communications equipment with a firm, gentle touch, there's always a chance of a slip or a jolt that might lead to trouble.



Like when you slide out the Junction Panel of the Amplifier-Pilot Regulator AM-707/TCC-7 on your AN/TCC-7. Sliding it out is no sweat, but settin' it down on the bench or floor is when you might run into some trouble.

So happens that the E-105 insulator on the bottom of the Junction Panel sticks down a trifle too far for comfort—or safety. It extends just about as far as the supporting pins. And that means it's not protected when the panel is laid down on a flat surface.



A little care, then, when handling the panel. Either prop it up so the insulator clears the bench, or lean it firmly against a support to keep the insulator in shape.

