

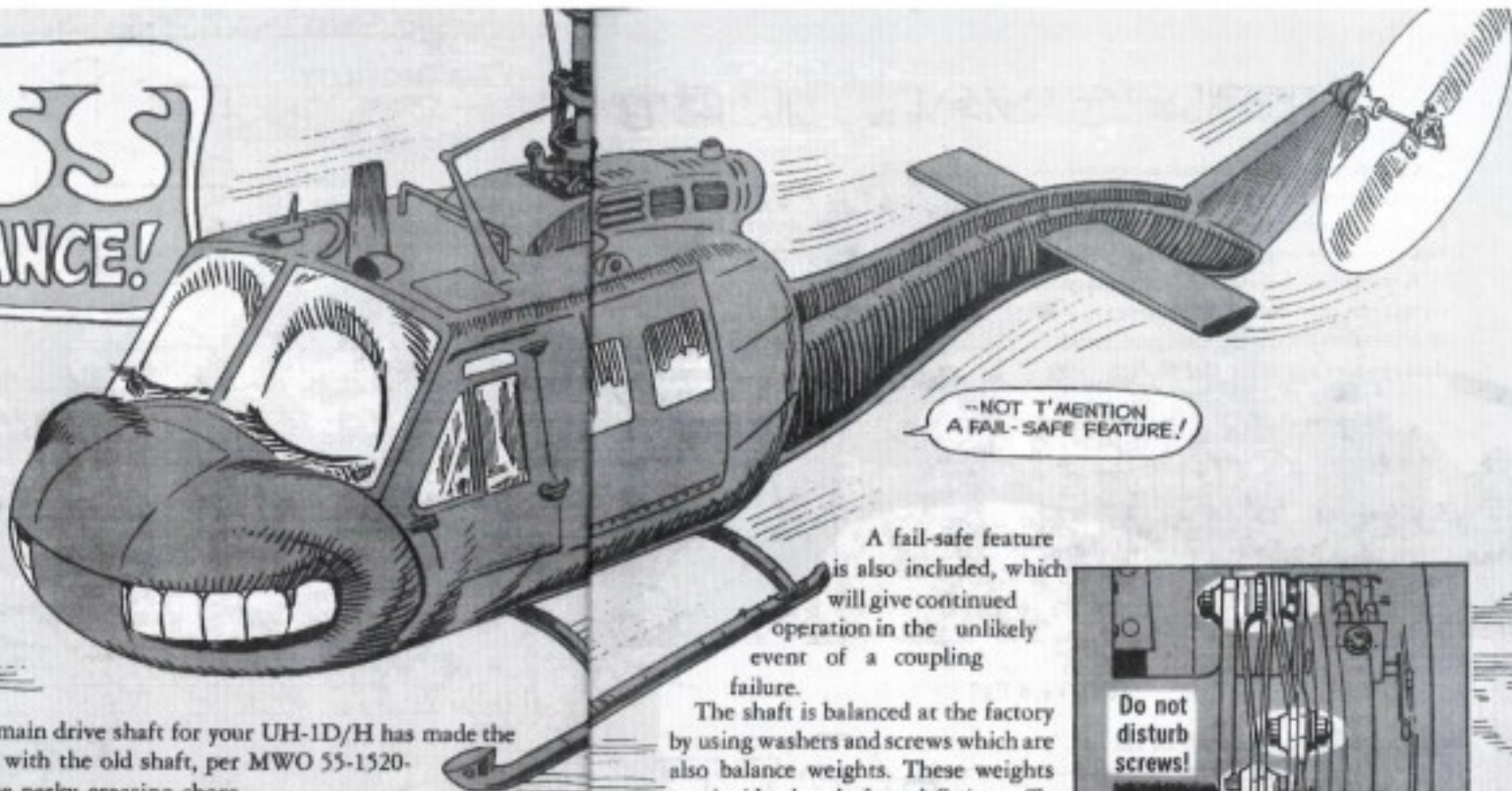
New Short Shaft Means...

LESS MAINTENANCE!

AWW~ MY NEW MAIN DRIVE SHAFT IS GREAT!

NO MORE PESKY GREASING!

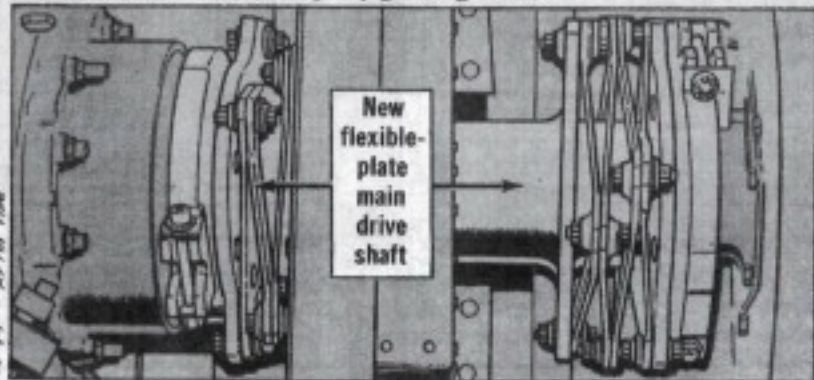
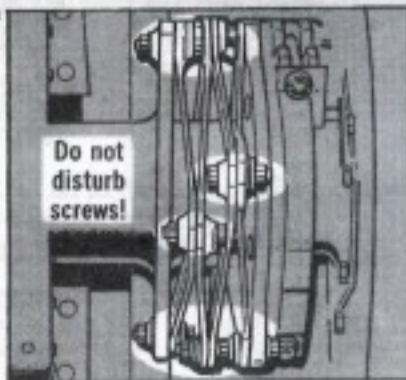
--NOT T'MENTION A FAIL-SAFE FEATURE!



The new, flexible-plate main drive shaft for your UH-1D/H has made the scene, Huey mechs. Gone with the old shaft, per MWO 55-1520-210-30-54 (Nov 78), is the pesky greasing chore.

A fail-safe feature is also included, which will give continued operation in the unlikely event of a coupling failure.

The shaft is balanced at the factory by using washers and screws which are also balance weights. These weights are inside the shaft end-fittings. To make sure the screws are not disturbed, a high-grade adhesive is used on the threads. Never attempt to turn the screws because, with the high torque required, you could break 'em.



Shaft flexibility is provided by 4 rectangular plates in each coupling. Each plate flexes to accommodate angular alignment and length changes, caused by transmission movement on the pylon mounts.

HELPFUL MAINTENANCE TIPS

The maintenance allocation chart indicates that you inspect, align, replace and repair the shaft. The repair is limited to nicks and scratches that can be blended into the surrounding area so no sharp edges remain. A change to TM 55-1520-210-23 (Feb 79) will have the damage limits, plus the removal and installation info.

The only inspection of the shaft is a visual one, made during the Phase inspection on your Huey. Eyeball the plates for cracks, damage, and security. The shaft, NSN 1615-01-030-9968, is a selected condition item so you maintain the same type of records used for the old shaft.