



You're on your own when it comes to a problem common to the oil, fuel and hydraulic systems on your bird—line chafing.

The parts pub will give you the location and type of clamps to use. A vibrating, pulsating line may need an additional clamp, tho.

The hydraulic suction line from the reservoir to the pump is a good example. The wire braid can chafe on the magnetic plug in the generator drive gear box.



When this happens you'll have to put in a replacement.

An adel clamp in the right place will prevent damage to the line.

NOISY PUMP SOLUTION

Pump noisy

Pump case drain incorrectly installed on bottom of pump, causing air entrapment.

Install properly. Refer to paragraph 6-4, step b.

Have a noisy hydraulic pump on your Huey? Focus in on the hydraulic system troubleshooting chart in TM 55-1520-210-20 (Sep 71).

The chart lists the cause as pump case drain line incorrectly installed on bottom of pump, causing air entrapment. You're pumping air instead of hydraulic fluid. You better believe it!

Fact is, pulsating air pressure in the line has been known to crack some of the plumbing. Many of the older D and H models have the line hooked up wrong.

Go by the book. Hook the line to the top fitting, as called for in para 6-3b(4) of TM 55-1520-210-20 (Sep 71).

You'll have to shorten the line about 12 inches and use new O-rings.



MURPHY SIDELINED

Look sharp whenever you change the hydraulic pump on your baby. The seal (or seep) drain line and case drain line ports are about the same size. Pumps do get put on upside down.

With a Murphied pump you could spend unpteen hours looking for the cause of faulty operation.



Keep Murphy on the bench. Look for the raised lettering identifying the ports when you mount the pump.

NEW LINE NEEDED

During the next time-out, eyeball the DA Form 2408-5 in your bird's log book. Make sure MWO 55-1520-210-30/31 (Aug 71) has been applied to the hydraulic system if the serial number of your baby is listed in the pub.

The hydraulic pump ruptures those old lines. When that happens the bird's hydraulic fluid is pumped overboard. The pilot loses hydraulic boost on the controls.



The mod removes hydraulic tube, P/N 205-076-213-1, and puts in a beefed-up line. High-freq vibrations produced by



If the mod has not been done, schedule it. To head off a sticky situation, your direct support will also add a check valve that'll keep hydraulic fluid from being pumped overboard if the new line should fail.