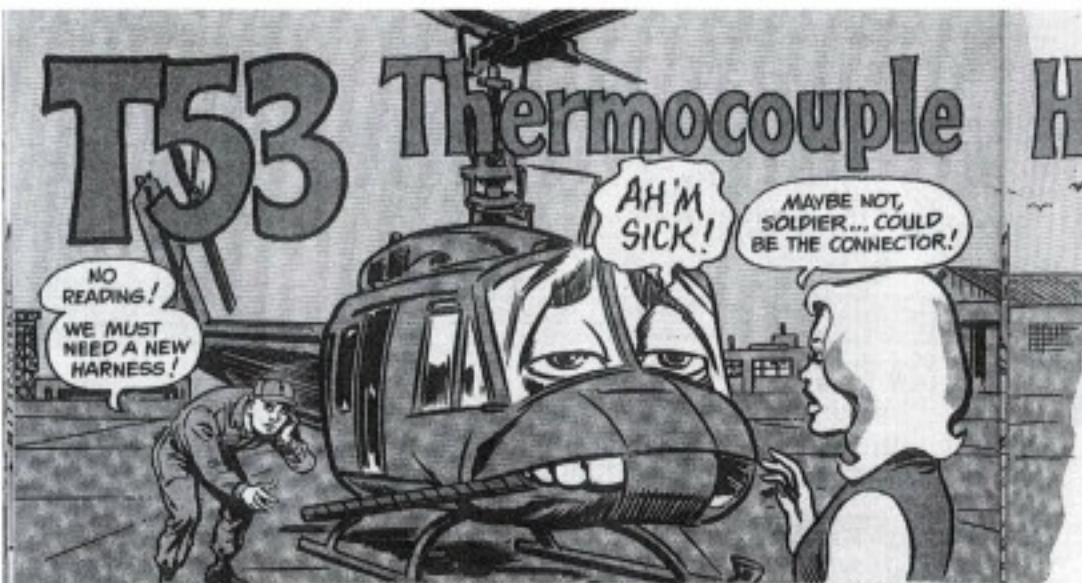


T53 Thermocouple Harness Shot?



NO READING!
WE MUST NEED A NEW HARNESS!

AH'M SICK!

MAYBE NOT, SOLDIER... COULD BE THE CONNECTOR!

When you don't get readings from the temperature-sensing probes on your Huey or Cobra engine, never rush to change the thermocouple harness. It may be OK.

Instead, focus on the connector.

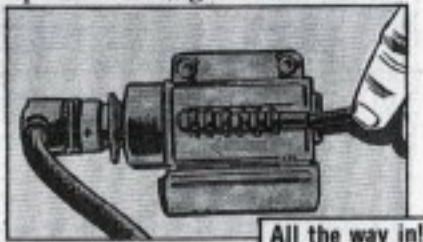
Mechs sometimes use the connector for a handhold when mounting the engine deck.



The lead into the connector is then pulled partially out, contact with the probes is lost and you no longer get temperature readings.

So-o-o-o, open the connector and clean the connector and lead contacts. A pencil eraser may even do the trick.

Then, insert the lead all the way into the connector so that both sets of contacts are aligned. That'll put the harness back in business.



If you have to remove the harness, you'll find those probes are tough nuts to crack...engine heat seizes 'em.

As a result, a lot of harnesses have to be replaced at the depot because they're kinked and the internal wiring is broken. Take some extra time with the harness removal.

Soak the nuts with a suitable penetrating oil.

The nuts will still be tight, but you can't use an open-end wrench or you'll round off the nuts.

A regular box-end wrench won't fit between the harness and the thermocouple probe, either. So grind down a salvaged $\frac{3}{16}$ -in box-end wrench and use it on the nuts.



THEN YOU'LL BE ABLE TO REMOVE THE PROBES WITHOUT DAMAGING THE HARNESS!