

Take
the

LOW Road!


HIGH ROAD
OVER-TORQUE FIELD
Home of
SIDELINED BIRDS
THE CHOICE
IS YOURS.

A mech pulling PM and his torque wrench should never be parted . . . especially when it comes to the low torque ranges. Some mechs go over-board tightening hardware beyond limits. This damages parts and sidelines aircraft.

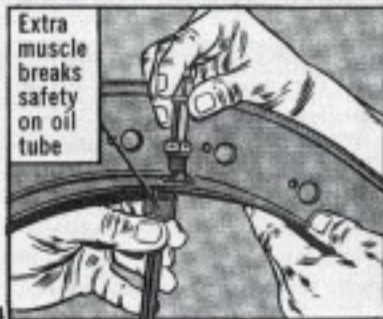
Take the T53-L-13 engine, for example. During inspections you eyeball and clean the power turbine oil strainer.

It's no sweat to remove the oil line with an open-end wrench on the "B" nut.

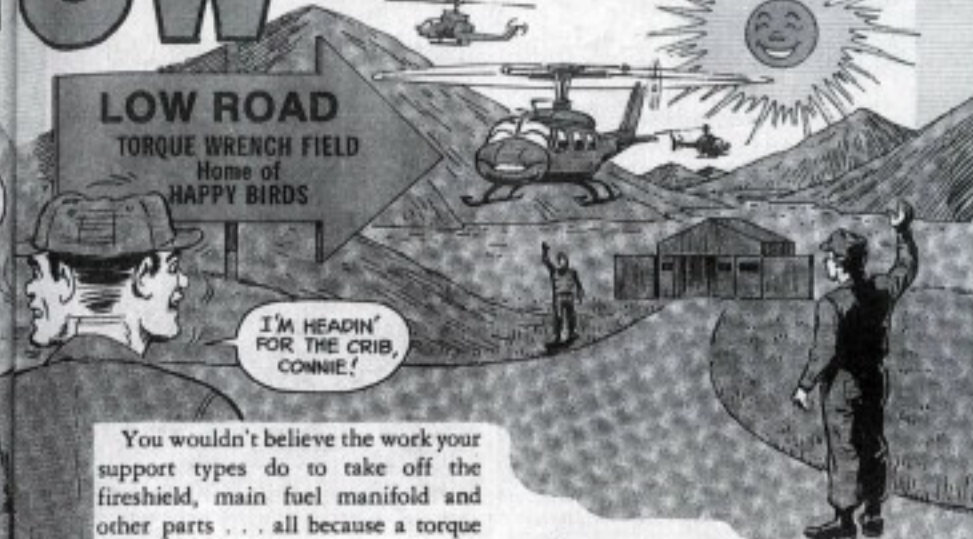
Removal—
no sweat

But removing a strainer housing adapter that was tightened beyond limits is something else. If a mech did not use a torque wrench during strainer installation, you've got an engine change in your future.

How come? Well, to remove the strainer adapter takes extra muscle. As a result the unseen safety on the oil tube (under the fireshield) breaks and the oil tube becomes loose, giving you an oil leak.

Strainer
too tightExtra
muscle
breaks
safety
on oil
tube

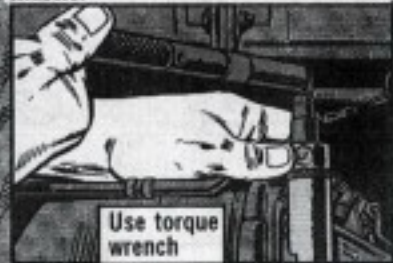
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LOW ROAD
TORQUE WRENCH FIELD
Home of
HAPPY BIRDS
I'M HEADIN'
FOR THE CRIB,
CONNIE!

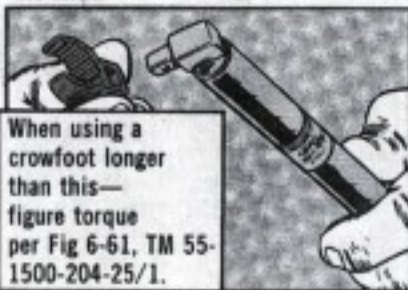
You wouldn't believe the work your support types do to take off the fireshield, main fuel manifold and other parts . . . all because a torque wrench was not used.

Course, you would use a torque wrench when you put the strainer back in the engine, right? Because that's the word in Para 5-90 of TM 55-2840-229-24 (Apr 71).

The T53-L-13 engine strainer gets tightened to 80-90 lb-in—no more! Only the torque wrench is calibrated to give a mech the right amount of muscle.

Use torque
wrench

Of course, the engine pub also says the "B" nut on the oil line also gets tightened with a torque wrench to only 50-100 lb-in to prevent stripping threads on the strainer housing. A crowfoot on the torque wrench does the trick.

When using a
crowfoot longer
than this—
figure torque
per Fig 6-61, TM 55-
1500-204-25/1.

So, head for the tool crib and pick up those torque wrenches. It's the only road to take.

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