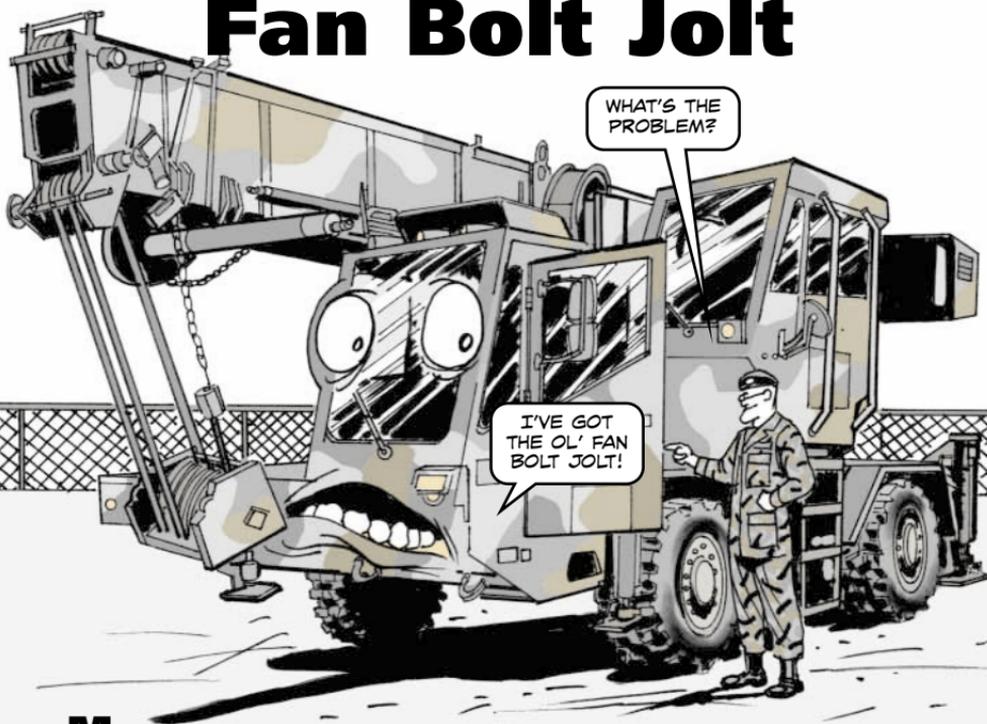


# Fan Bolt Jolt



**M**echanics, you've got to keep an eye on the 22-ton crane's engine cooling fan bolts. These bolts were not torqued properly at the manufacturer.

One loose bolt causes the other fan bolts to come loose. Eventually, the bolts shear off and the fan is propelled into the radiator, fan shroud and coolant or hydraulic lines. A busted coolant or hydraulic line means a loss of fluid—causing extensive damage to the crane's engine.



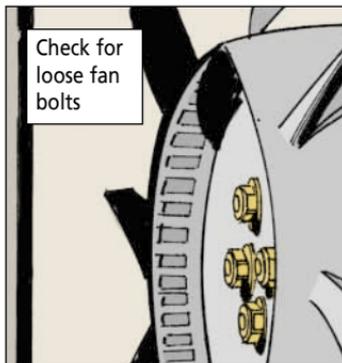
- Remove the battery disconnect key.
- Remove the engine hood panels like it shows in TM 5-3810-307-24-1-1.
- Loosen the "T" clamp on the turbocharger (right side, front of the engine next to the air charger) and work the bellows loose until the tube end is out of the way.
- Remove the four 7/16-in bolts that hold the fan guard in place.

You have to place your hand and arm through the fan blades to get at the fan bolts. Use the mechanics mirror from the No. 1 Common shop set to see the position of the fan bolt heads. The mirror will help you align the torque wrench with the head of each fan bolt.

Because of the tight space, use torque wrench, NSN 5120-01-355-1734, and a 16mm socket from the No. 1 Common shop set.

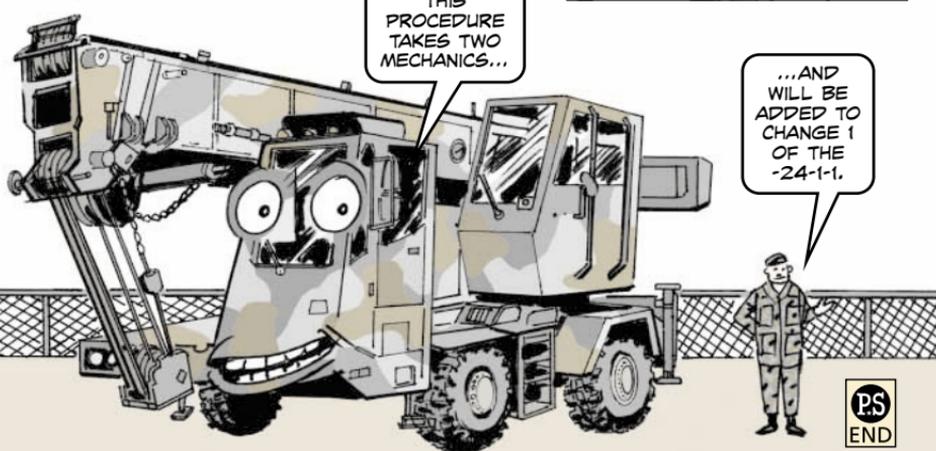
Check each bolt with the torque wrench to see if it's less than 32 lb-ft of torque. Less than 32 lb-ft means the bolt is loose.

If any bolt is loose, remove it with a wrench—but not the torque wrench. Clean the bolt's threads with a wire brush. Use sealing compound, NSN 8030-01-250-3969, on the bolt threads before you reinstall the bolt. Then torque the bolt to 32 lb-ft.



THIS  
PROCEDURE  
TAKES TWO  
MECHANICS...

...AND  
WILL BE  
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-24-1-1.



## LRT-110 Crane Brake Fluid Reservoir

The elements and rough handling can KO the caps on the 7½-ton crane's brake master cylinder. Don't order the whole reservoir like it shows in TM 5-3810-305-24P. Instead, order the cap with NSN 5340-01-173-9156 and the diaphragm with NSN 5340-01-173-9155. Make a note of these NSNs until the TM is updated.

## LRT-110 Crane Cable

Use NSN 4010-00-171-6315 to get the winch cable for the 7½-ton crane. The parts info shown for Item 3, Fig 13-1 of TM 5-3810-305-24P is no longer available.