

07/06/07

**FEDERAL RECALL CAMPAIGN 07KW7  
2008 MODEL-YEAR T660 MODELS MANUFACTURED BETWEEN AUGUST 8, 2006 AND MARCH 9, 2007  
WITH CATERPILLAR C15 OR CUMMINS ISX ENGINES EQUIPPED WITH HORTON FAN BLADES**

Kenworth Truck Company has decided that a defect which relates to motor vehicle safety exists in some 2008 model-year Kenworth T660's manufactured between August 8, 2006 and March 9, 2007, with Caterpillar C15 or Cummins ISX engines equipped with Horton fan blades. A total of 187 US & 47 Canadian trucks are involved in this campaign. The chassis list and a copy of the customer letter are attached. The DWC and SIR online systems indicate chassis involved in this recall with the designator of "07KW7" in the campaign field.

**SITUATION**

Kenworth Truck Company has determined that Horton fan blades, when installed in 2008 model-year T660's with Caterpillar C15 or Cummins ISX engines, can develop micro-cracks. These micro-cracks, if undetected, can develop into larger cracks which could cause the fan to break apart while turning, resulting in possible physical injury or equipment damage. This condition was determined to be a safety-related defect.

**RESOLUTION**

Kenworth has initiated a recall to replace Horton fan blades with the appropriate Borg Warner fan blade on all T660's with the above referenced engines. For some chassis configurations, this fan blade change will also involve replacing the fan hub.

The affected chassis fall into one of three groups (see attached chassis list):

Group A: Replace fan blade only, installing blade 4735-44000-05

Group B: Replace fan blade and fan hub, installing blade 4735-44000-05 & hub F17-6005-1071

Group C: Replace fan blade and fan hub, installing blade 4735-44000-05 & hub F17-6005-5122

See the attached repair procedure to perform this recall.

**It is a violation of Federal law for a dealer to sell or lease new vehicles covered by this recall until the defect or noncompliance has been corrected.**

**PARTS**

Borg Warner Fan Blade part no. 4735-44000-05 (this part only for Group A trucks),

**And, when required**

Horton Fan Hub part no. F17-6005-1071 (Group B trucks per attached list),

**Or**

Horton Fan Hub part no. F17-6005-5122 (Group C trucks per attached list)

**WARRANTY**

File appropriate warranty Quick Claim:

**Group A chassis:** Quick Claim 07K7A for fan blade only, installing blade 4735-44000-05; labor allowed = 2.5 hrs.

**Group B chassis:** Quick Claim 07K7B for installing blade 4735-44000-05 & hub F17-6005-1071; labor allowed = 3.0 hrs.

**Group C chassis:** Quick Claim 07K7C for installing blade 4735-44000-05 & hub F17-6005-5122; labor allowed = 3.0 hrs.

Kenworth will allow dealer net plus 30% on parts.



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## PROCEDURE

Identify which of the three repairs apply (see chassis list):

**A:** Replace fan blade only, installing blade 4735-44000-05

**B:** Replace fan blade and fan hub, installing blade 4735-44000-05 & hub F17-6005-1071

**C:** Replace fan blade and fan hub, installing blade 4735-44000-05 & hub F17-6005-5122

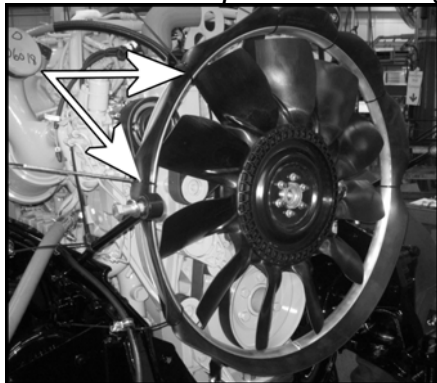
### Disassembly:

- 1) When the engine is cool, drain coolant into clean container (coolant to be reused).
- 2) Remove charge air cooler pipes.
- 3) Remove top coolant pipe.
- 4) Remove radiator ring shroud ring.
- 5) Remove radiator tie rods.
- 6) Loosen lower radiator fasteners and tilt cooling module forward, being careful not to kink A/C lines.
- 7) Remove fan blade. For repair type **A**, skip to step 10. For repair type **B** or **C**, continue to step 8.
- 8) Remove fan hub.

### Reassembly:

- 9) Obtain replacement hub (see repair type **A**, or **B**) and reinstall. Align pulley, apply loctite to bolt threads and torque attaching bolts to 55-78 ft-lb.
- 10) Install replacement fan blade. Use loctite and torque nuts to 30-40 ft-lb.
- 11) Reposition cooling module and tighten lower radiator fasteners to 120-160 ft-lb.
- 12) Reinstall radiator tie rods. Torque to 120-160 ft-lb.
- 13) Reinstall radiator ring shroud ring. Apply medium loctite to bolt threads and torque to 16-22 ft-lb.

*Technician's Tip: Tie back ring shroud for easier radiator repositioning*



*Use tie straps to hold seal*



*Fold seal back to reinstall radiator*

- 14) Reinstall top coolant pipe. Torque clamps to 50-70 in-lb.
- 15) Reinstall charge air cooler pipes. Torque clamps to 100-120 ft-lb.
- 16) Refill radiator with previously drained coolant.
- 17) File appropriate warranty Quick Claim:
  - 07K7A for fan blade only, installing blade 4735-44000-05
  - 07K7B for installing blade 4735-44000-05 & hub F17-6005-1071
  - 07K7C for installing blade 4735-44000-05 & hub F17-6005-5122