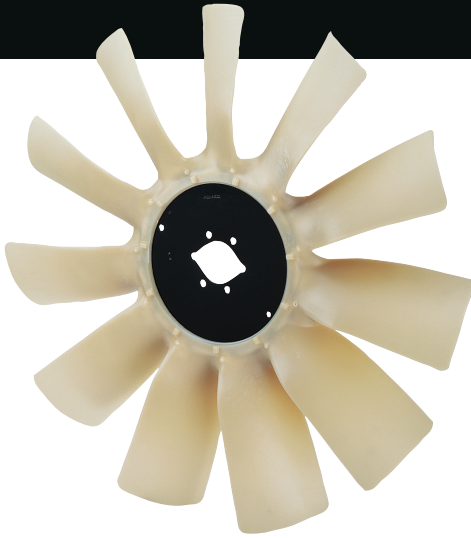


Subject: Fan Maintenance & Troubleshooting Check List



Check and correct as needed at every:

- “A” PM Schedule
- Oil Drain
- 25,000 Miles

1. Check for missing, cracked, chipped or damaged blades. Replace damaged fans.
2. Check for loose fan mounting hardware. Tighten hardware to proper torque, per vehicle manufacturer’s recommendation.
3. Check for damage to fan center disk. Replace damaged fan.
4. Check for proper positioning of fan in shroud opening. Adjust as needed. (Centered*)
5. Check for adequate clearance between fan blade tips and fan shroud. Adjust as needed. (3/4 inch*)
6. Check for adequate clearance at front and rear of fan blades. Adjust as needed. (1 inch*)
7. Check for loose or damaged shroud. If evidence of fan contact is detected, repairs must be made and the fan blade replaced.
8. Check for loose radiator, braces and hardware. Tighten as needed.
9. Check for worn engine and transmission mounts. Replace as needed.
10. Check condition of fan drive assembly per the appropriate procedures.
Failure of a viscous or on/off fan drive can lead to engine failure.
Correct fan drive problems as needed.

*The clearances listed above represent the typical minimums required to ensure free, unobstructed rotation under road conditions. Some vehicle manufacturers have established specific clearances. Always refer to the vehicle manufacturer’s data for the correct application.



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