

Service Bulletin

Subject: Kysor On/Off K22FA & K22RA Fan Clutch Preventative Maintenance Check List



1. Fan

- a. Check for missing, cracked, chipped, or damaged blades. Replace damaged fans.
- b. Tighten fan blade nuts to proper torque, per vehicle manufacturers' recommendation.
- c. Check for adequate clearance between fan and fan shroud.

2. Fan Belts

- a. Check belt condition, replace if worn or frayed.
- b. Check for proper belt tension, using proper gauge.
- c. Check for proper belt alignment.

3. Fan Clutch

- a. Verify fan clutch engagement.
- b. With the fan clutch disengaged check for air leaks at:
 - K22RA – front of clutch and between the clutch and drive hub. If a leak is detected, install seal kit 1033-08233-01.*
 - K22FA – front of clutch. If a leak is detected, install seal kit 4043-41130-01.*
- c. Check lining with System Alert Tool™. If lining is worn, install lining kit 1033-08250-01. If lining wear appears premature (prior to 200,000 miles) check control system for possible malfunction.
- d. If belts are removed, rotate the drive hub pulley to check for bearing roughness. If bearing wear is detected, install proper hub bearing kit.
- e. Check air line entry and routing at the rear of the fan clutch on the K22RA and at the front on the K22FA.*
 - Look for cracked or damaged air lines.*
 - Check for proper air line on K22FA installations.*
 - Assure tight connections.*
 - Test for air leaks.*

4. Solenoid Valve

- a. Check all air connections for tightness and air leaks, and examine air lines for damage from solenoid to fan clutch.
- b. Check all electrical connections
- c. Check exhaust port for restrictions to assure smooth disengagement of fan clutch.

5. Thermal Switch and/or A/C Pressure Switch

- a. Check electrical connections

Torque Specs

Clutch to Hub	45 lbs-ft (61 Newton Meters)
Fan to Clutch	26 lbs-ft (35.3 Newton Meters)
Front Piston on Nut	84 lbs-in (9.5 Newton Meters)
Lining Plate Screws	30 lbs-in (3.4 Newton Meters)

*Should be checked at one of the following intervals: Every "A" PM schedule, at every oil drain, at least every 25,000 miles



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