



FAIL SAFE™ On/Off K26RA Rear Air Fan Clutch Series 1090-09500

INSTALLATION | SERVICE | TROUBLESHOOTING

This fan clutch requires 90-120 PSI air pressure to DISENGAGE (6.2-8.2 bar). The air pressure is vented to ENGAGE the fan.

Any interruption of the air supply will allow the fan to run, keeping it in fail-safe mode.

Maintenance

Fan clutch maintenance should be performed at every "A" PM schedule, at every oil drain, or every 25,000 miles (40,225 KM), which ever comes first.

1. Verify clutch operation. Turn key or jump the control system so that 90-120 psi air is supplied to the clutch. It should disengage and turn freely. Remove air supply. Clutch should lock up and be difficult to turn by hand.
2. With engine stopped, and clutch disengaged, check for air leaks at front of clutch and between the clutch and drive hub. If leak is detected install kit 1033-08233-01.
3. Check electrical and air connections at solenoid.
4. Examine wire and airline routing for damage and chafing. Repair as required.
5. Check exhaust port on solenoid for restrictions and debris. Remove any obstructions to insure positive engagement.

Clutch Lining Maintenance

It is very important to check fan clutch lining condition on a regular basis.

First Check	100,000 miles (160,930KM)
Subsequent Checks	Every 50,000 miles (80,465KM)

System Alert Tool

This tool is a "go/no-go" gauge that will indicate whether the lining is close to wearing out and needs replacing.

1. Start with the fan clutch engaged. (No air to the clutch.) If necessary, disconnect the air line from the fan clutch.
- The clutch in the top image has a brand new lining. Notice how the tool sits down in the pocket, below the surface of the lining retention plate.
 - The clutch in the bottom image has a lining that is worn to the point where it should be replaced. Note how the tool protrudes above surface of the lining plate.
2. Order a new lining when the tool is exactly flush with the plate, and change it at the next scheduled service. Instructions for changing the lining are included in the lining kit, part# 1033-09340-01.



Note: Rapid lining wear indicates a problem in the fan drive control system. See page 6 and 7 for control system specifications and types. Call Technical Service for troubleshooting assistance, 800-927-7811.