



CW MILL EQUIPMENT CO., INC.  
P.O. Box 246 • Sabetha, Kansas 66534  
(785) 284-3454 • FAX (785) 284-3601

**FMK 46SD508-8**  
1999-04 FORD TRUCK F-250-550  
1997-16 FORD VANE-150-450  
5.4L & 6.8L Triton  
W-WO/AC

## INSTALLATION NOTES

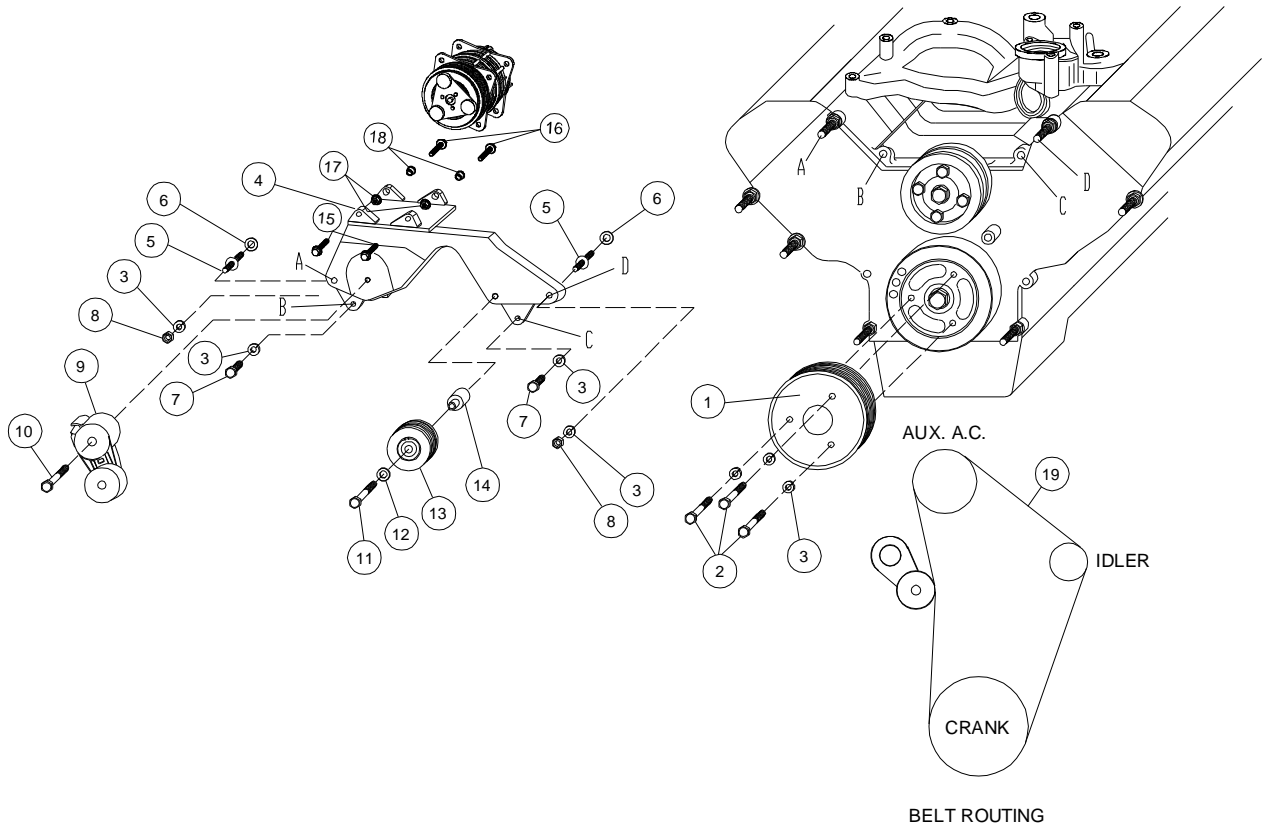
---

1. Disconnect the negative battery cable. On E series, remove the complete air cleaner assembly. Remove the fan and fan shroud. (Fan nut has right hand threads). Remove the O.E.M. serpentine belt and the flat idler on the passenger side of the engine. Remove the studs at locations "A & D" and install studs (5) with flatwashers (6). Torque studs to 35 ft/lbs.. Remove bolts at locations "B & C".
2. Install drive pulley (1) onto the harmonic balancer with bolts (2) and lockwashers (3). Torque bolts to 40 ft/lbs.. Install bracket (4) onto the studs at locations "A & D". Install bolts (7) with lockwashers (3) at locations "B & C", and nuts (8) with lockwashers (3) at locations "A & D". Tighten bolts and nuts evenly, then torque them to 35-40 ft/lbs.. Install the A.C. compressor onto bracket (4) with bolts (15,16), nuts (17) and slide bushings (18).
3. Replace the OEM idler back to its original location. Replace the OEM belt. Install air conditioner belt tensioner (9) with bolt (10). Install the air conditioner belt onto the engine according to the belt diagram. Replace the fan and fan shroud. Check for proper clearances between the fan and the air conditioner clutch. If needed install fan spacer (20) Replace the air cleaner assembly if removed and connect the battery cable. Run engine and check for proper belt alignment.

**CAUTION:** Check all engine compartment hoses and wiring to insure they are not kinked, touching any high temperature item, or do not interfere with any linkage components.

**NOTE:** Due to OEM assembly tolerances, visually make certain that there is adequate clearance between fan and drive pulley.

**FMK 46SD508-8**  
**1999-04 Ford Truck F-250-550**  
**1997-16 Ford Van E-150-450**  
**5.4L & 6.8L Triton**  
**W-WO/AC**



**PARTS LIST**

- |                          |                                 |
|--------------------------|---------------------------------|
| 1. FPC 368 (1)           | 11. 12mm x 65mm (1)             |
| 2. 10mm x 60mm (3)       | 12. 12mm FW                     |
| 3. 10mm LW (7)           | 13. GPCD 8 (1)                  |
| 4. FMP 46SD508-8 (1)     | 14. FMB 391 Bushing (1)         |
| 5. 10107 1.5 ST (2)      | 15. 10mm x 30mm Flange (2)      |
| 6. .080 shim (2)         | 16. 10mm x 40mm Flange (2)      |
| 7. 10mm x 60mm 10.9 (2)  | 17. 10mm Flange Nut (2)         |
| 8. 10mm nut (2)          | 18. 1255-0090 Slide Bushing (2) |
| 9. 8920236 Tensioner (1) | 19. 5080625 Dayco (1)           |
| 10. 12mm x 80mm (1)      | 20. FSK6.8A (6.8L) (1)          |
|                          | FSK37R (5.4L) (1)               |