



CW MILL EQUIPMENT CO., INC.
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FMK 31 - 2 Belts
1977-82 Ford Truck
F-150,250,350
1980-82 Ford Van
E-150,250,350
351M (5.8), 400M (6.6)
WO/AC, W-WO/PS, A.I.R.

INSTALLATION NOTES

1. Disconnect battery terminal. **IMPORTANT:** Mark fan flange to water pump pulley for proper re-installation. Remove belts and fan.
2. Remove 4 bolts and washers from pulley on front of crankshaft. Do not remove large center bolt. Install drive pulley (1) with provided bolts (2). **CAUTION:** Be sure new bolts have the same threads as O.E.M. bolts removed.
3. Bolt bracket (4) to cylinder head using bolts and spacers necessary for the style of power steering pump shown. Fasten pump plate to bracket (4) and water pump with bolts (12,13), tighten all bolts
4. Loosely fasten clutch pump to plate, align clutch pulley to drive pulley (1), secure pump bolts. Bolt eccentric (19) to pump plate. Determine proper amount of washers (21) necessary to properly shim idler (18) to align with pump drive and clutch pulleys. Use Loctite or equivalent to secure idler bolt (20).
5. Install fan, a fan spacer is normally not necessary. Replace and tension O.E.M. belts. Install pump drive belts (25), rotate idler eccentric to tension belts, tighten bolt (22). Connect battery terminal.
6. **CAUTION:** Check all engine compartment vacuum hoses and electrical wiring that might have been disturbed or re routed during kit installation to be sure that hoses are not kinked, that they do not touch any high temperature item, and that they do not interfere with any linkage components.

NOTE: This kit is designed to operate successfully with the standard fan supplied by the manufacturer of your truck. Due to O.E.M. assembly tolerances, visually make certain that there is adequate clearance between fan and drive pulley, and also fan to radiator. It may be necessary to use a longer spacer for pulley clearance.

If there is little clearance to the radiator, to insure that the fan will not flex into the radiator before operating. Fan shroud may be notched for belt clearance. Move radiator if necessary.

FMK 31-2 Belts
1977-82 Ford 351C, 351M, 400M
1980-83 Ford Van
WO/AC, W-WO/PS, W-WO/A.I.R.

NOTE: C-Cleveland
M-Modified

351-5.8 Liter

400-6.6 Liter

IMPORTANT
Cleveland Engines are identifiable
by Fuel Pump Style as shown.

(Use two on all
 Standard Steering
 Models.)

(1980 & 81 Vans.)
 (1981 Trucks)

1980
 Pickups
 Only

SLIDE
 TYPE

(use O.E.M. Bolt
 for 1980 Models)

Reuse O.E.M. Bolt

NOTE: Use upper
set of holes for 351-M & 400
C.I.D. and Lower Set for 351-C
C.I.D. engines

Discard O.E.M.
 bracket

1982 F-Series

*Remove 1/8"
 Material

1981 Trucks

Remove Power Steering
 Cooling Coil from engine and
 Discard original hardware. Trim
 bracket as shown and discard
 lower portion. Flatten out bead on
 remaining bracket and drill a 7/16"
 dia. hole in the end.

WO/PS

IMPORTANT

On Power Steering Pumps
Equipped with Oil Cooler,
Loosen the bolt holding the
Finned Oil Cooler Coil and
rotate toward the fender for
proper pump clearance
and tighten.

PARTS LIST

- | | |
|------------------------------|---|
| 1. FPC 312 (1) | 15. 3/8 FW (4) |
| 2. 3/8 X 2 NC GR. 8 (4) | 16. 3/8 LW (5) |
| 3. 3/8 LW (4) | 17. 3/8 NC (2) |
| 4. FMB 310 (1) | 18. GPCD (1) |
| 5. FMP 31(0-4) | 19. Eccentric (1) |
| 6. SP88-4.593 (1) ('80 only) | 20. 5/8 X 3 NC (1) |
| 7. SP88-0.250 (3) | 21. IPW 14 (8) |
| 8. SP88-0.187 (1) (WO/PS) | 22. 1/2 X 2 NC (1) |
| 9. 7/16 X 1-1/2 NC (1) | 23. 1/2 LW (1) |
| 10. 7/16 X 1-1/4 NC (2) | 24. 1/2 NC (1) |
| 11. 7/16 LW (3) | 25. AX-53 (2) (Not Shown) (#2-AX52, #4-AX-51) |
| 12. 3/8 X 1-1/2 NC (2) | 26. Clutch Pump Assembly (1) |
| 13. 3/8 X 1-1/4 NC (2) | (Sold Separately) |
| 14. 3/8 X 1 NC (1) | |