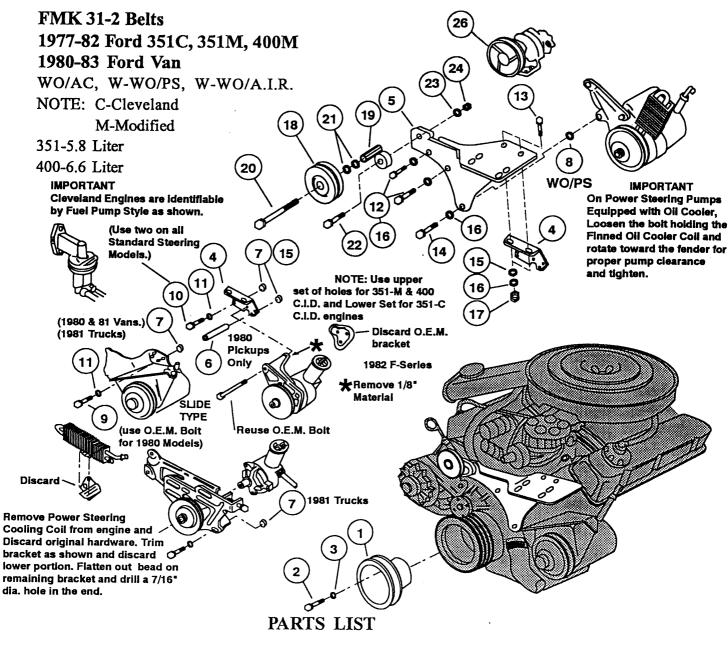


FMK 31 - 2 Belts 1977-82 Ford Truck F-150,250,350 1980-82 Ford Van E-150,250,350 351M (5.8), 400M (6.6) WO/AC, W-WO/PS, A.I.R.

## **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 Locktite 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.



- 1. FPC 312 (1)
- 2. 3/8 X 2 NC GR. 8 (4)
- 3. 3/8 LW (4)
- 4. FMB 310 (1)
- 5. FMP 31(0-4)
- 6. SP88-4.593 (1) ('80 only)
- 7. SP88-0.250 (3)
- 8. SP88-0.187 (1) (WO/PS)
- 9. 7/16 X 1-1/2 NC (1)
- 10. 7/16 X 1-1/4 NC (2)
- 11. 7/16 LW (3)
- 12. 3/8 X 1-1/2 NC (2)
- 13. 3/8 X 1-1/4 NC (2)
- 14. 3/8 X 1 NC (1)

- 15. 3/8 FW (4)
- 16. 3/8 LW (5)
- 17. 3/8 NC (2)
- 18. GPCD (1)
- 18. GFCD (1)
- 19. Eccentric (1)
- 20. 5/8 X 3 NC (1)
- 21. IPW 14 (8)
- 22. 1/2 X 2 NC (1)
- 23. 1/2 LW (1)
- 24. 1/2 NC (1)
- 25. AX-53 (2) (Not Shown) (#2-AX52, #4-AX-51)
- 26. Clutch Pump Assembly (1) (Sold Separately)

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