



CW MILL EQUIPMENT CO., INC.
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FMK39A-I6

2003-04 Ford Truck F-250-550

2003-2012 Ford Van E-250-450

5.4L & 6.8L Triton, W/AC

INSTALLATION NOTES

1. Disconnect the negative battery cable. Remove the accessory drive belt from the engine. Remove the stud at location "A" and replace it with stud (3) and shim washer (8). Torque to 35ft/lbs.. Remove the O.E.M. idler from the engine, and remove the bolt at location "B". Remove the stamped steel brace from the top of the alternator.
2. Install bracket (1) on to the stud at location "A". Install bolt (4) with lockwasher (9) at location "B", and nut (7) with lockwasher (9) at location "A". Torque nut (7) and bolt (4) to 35ft/lbs.. Install brace (2) with bolt (5) and lockwasher (9) at location "C", and bolt (6) with lockwasher (9) to the back side of bracket (1). Tighten them evenly, then torque to 35ft/lbs..
3. Install the stamped steel brace back onto the alternator with the O.E.M. bolts. The brace may need to be trimmed if it hits the pump bracket. Install idler, spacer, washer and bolt (10,11,12,13) onto the main bracket and torque to 30ft/lbs.. Install the O.E.M. idler onto the engine. Install pump (18) onto the bracket with bolts (14), flatwashers (17), lockwashers (15) and nuts (16). Torque to 30ft/lbs.. Install the coil and clutch per manufacture instructions.
4. Install the new drive belt (19) according to the belt diagram. It is easiest to install the belt over idler (11) last. Connect the battery cable. Run the engine and make certain the belt tracks properly, and is in the grooves on all the pulleys.

NOTE: The heater hose coming out of the intake manifold may need to be rerouted. There is a restrictor in the hose that is used to cut down on water noise in the heater core. If the heater hose is replaced, it should be installed in the new hose.

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.

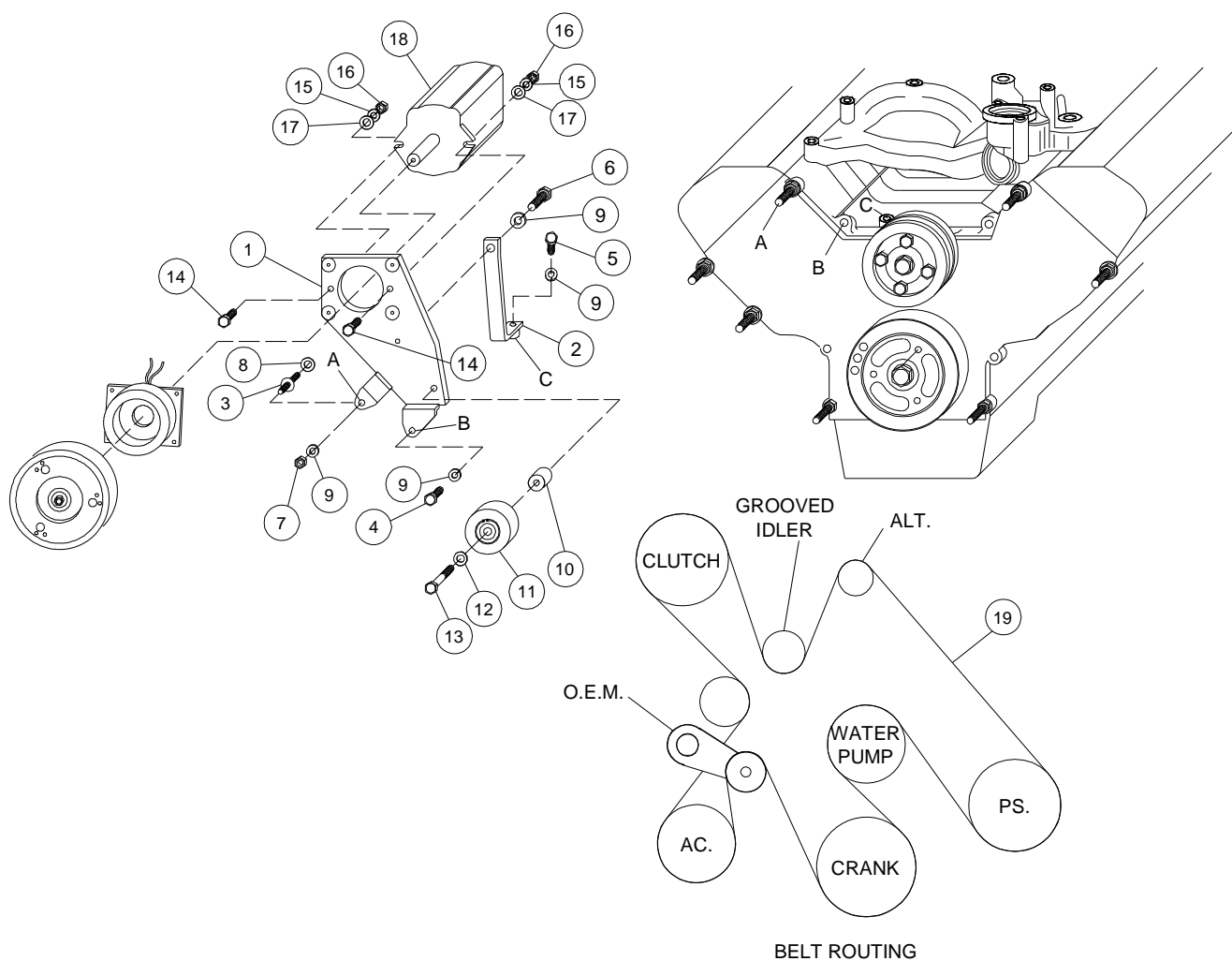
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PARTS LIST

- | | |
|------------------------|---|
| 1. FMB 390AI6 (1) | 11. TIPCS-2.5 (1) |
| 2. FMB 391AI6 (1) | 12. 12mm LW (1) |
| 3. 10107 1.5 ST. (1) | 13. 12mm x 65mm (1) |
| 4. 10mm x 60mm 1.5 (1) | 14. 3/8 x 1-1/2 NC (2) |
| 5. 10mm x 35mm 1.5 (1) | 15. 3/8 LW (2) |
| 6. 10mm x 20mm 1.5 (1) | 16. 3/8 NC Nut (2) |
| 7. 10mm Nut 1.5 (1) | 17. 3/8 FW (2) |
| 8. .80 Shim Washer (1) | 18. Clutch Pump Assembly (<i>Sold Separately</i>) |
| 9. 10mm LW (4) | 19. 5061300 (Dayco) (1) |
| 10. FMB392AI6 (1) | |