



**Muncie<sup>®</sup>  
Power  
Products**

**CMKF08-6400-YP8-AC**

**2008-2010 Ford F-250-550**

**6.4L Diesel**

**W-WO/AC, WO/Dual Alt.**

**WO Vacuum Pump**

## **INSTALLATION NOTES**

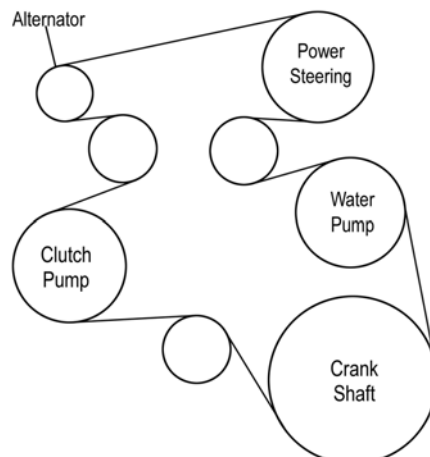
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1. Using a 8mm socket or wrench, disconnect the negative battery cables first, disconnect the positive cables and remove the battery hold downs. Remove both batteries from the vehicle. Remove the two bolts from the power steering reservoir and lift it from its cradle. Remove the four bolts from the top half of the fan shroud. ( Do not try to remove the fan shroud at this time).
2. Using a 11mm deep well socket, loosen one of the clamps on each end of the charge air cooler tube. Using a 10mm socket or wrench, remove the two upper CAC bolts and pull the top of the CAC forward. Remove the transmission cooler bolts and lift the cooler out from between the CAC and the radiator and lay it over the bumper on the drivers side. Remove the hood latch bolts, disconnect the horns and remove the bolt holding them to the radiator support then remove the horn and bracket assembly from the vehicle. Remove the plastic clips holding the hood latch cable to the radiator support. Remove the upper radiator support bolts and clamps from each side of the radiator. Using a 13mm socket or wrench, remove the three radiator support bolts from each side of the radiator support. While pushing the top of the radiator towards the cab, lift up on the radiator support and remove it from the vehicle.
3. With the radiator support removed, the right-hand CAC tube can now be removed from the vehicle. Release any hoses or wires from the upper fan shroud and remove it. Disconnect the cooling fan clutch electrical connector. Unclip and position the fan wiring aside. Using a fan nut tool, remove the cooling fan and clutch. **IMPORTANT** (fan nut has left-hand threads). Gently pulling the radiator forward for clearance, lift the fan and clutch assembly from the vehicle. **USE EXTREME CARE NOT TO DAMAGE THE RADIATOR WITH THE FAN DURING REMOVAL.** Using a 13mm socket, remove the two upper nuts and two lower bolts from the fan diffuser and remove it from the vehicle.
4. Remove the air cleaner assembly. Remove the O.E.M. 8-groove serpentine belt and tensioner. Release the tension on the A/C belt and remove the A/C tensioner. The A/C belt can be left on the truck. Remove the two flat idlers from the engine. Remove the two nuts and two bolts holding the alternator bracket to the engine. Remove the four bolts from the left-hand battery box and windshield washer tank, and remove them from the vehicle for modification. Disconnect the alternator wires and remove the alternator and bracket assembly from the engine.
5. To gain clearane to the alternator remove a portion of the battey box (show on pg.3) . Remove the alternator from the alternator bracket. If equipped with a heavy-duty alternator, the front valve cover bolt will need to have the threaded portion cut from the top of the bolt for clearance.

6. Install the alternator onto the new bracket reusing the O.E.M. bolts. Install the pump onto the bracket(1) with the suction side up (closest to the alt.) Using the bolts(7), nuts(9) and lockwashers(8). Install the coil and clutch onto the pump per manufactures instructions. Install the bracket assembly onto the engine reusing the O.E.M. studs. (***Before sliding the alt. and pump bracket assembly all the way back, the fittings should be installed in the pump***). Connect the alternator wires. If the A/C line at the compressor comes in contact with the pump, bend it down and inward slightly until adequate clearance is obtained. Secure the bracket reusing the O.E.M. bolts and nuts. Torque nuts and bolts to 40-45 ft-lbs.
  
7. Install the A/C tensioner and belt onto the new bracket with the O.E.M. bolt. Install the O.E.M. idler with the washer on it onto the engine at its original location. Install the other O.E.M. idler onto the adjustable boss(2) using the bolt(5), idler alignment bushing(3) and lockwasher(4) on the boss. Install the O.E.M. tensioner onto the bracket reusing the O.E.M. bolt.
  
8. Install the new belt(10) and route it as shown in the belt diagram. With the belt installed, push down on the tensioner until it bottoms out, then slide the adjustable boss(2) as far inward as possible, tighten the two adjustment bolts(6) and release the tensioner. This will allow the tensioner to have the maximum amount of travel.
  
9. Replace the fan diffuser and fan. Fan nut gets torqued to 96 lb-ft. Connect the fan clutch wire. Replace the fan shroud and the powersteering reservoir. Install the CAC tube and torque the clamps to 11 ft-lbs. Replace the radiator support and torque the two 10mm bolts to 46 ft-lbs, and the four 8mm bolts to 30 ft-lbs. Replace the radiator support clamps. Replace the transmission cooler and remove the cardboard from the vehicle. Replace the hood latch, use the washer marks on the latch to properly align the hood latch. **NOTE:** *The hood latch bolts have serrated washers on them.* Replace the battery box back to its original location. Install and connect the batteries. Replace the aircleaner assembly.

**NOTE:** *Check all wires, hoses, etc. that may have been disturbed during assembly to ensure they do not come in connect with any hot or moving parts.*

BELT ROUTING



# CMKF08-6400-YP8-AC

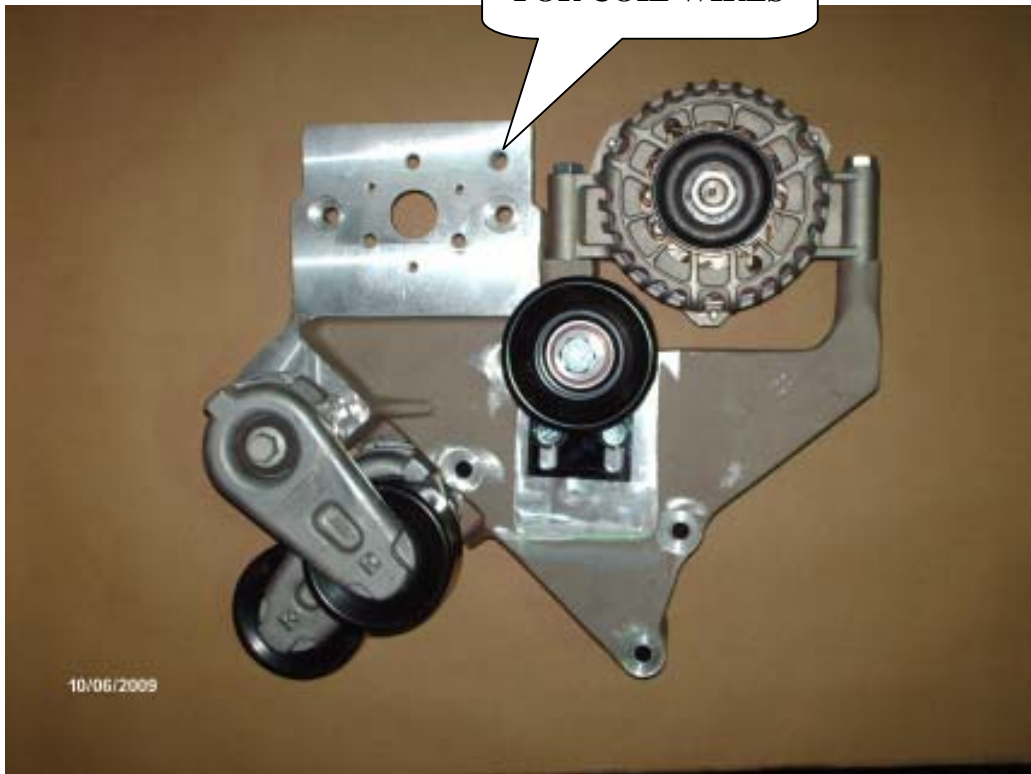
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USE THIS HOLE  
FOR COIL WIRES

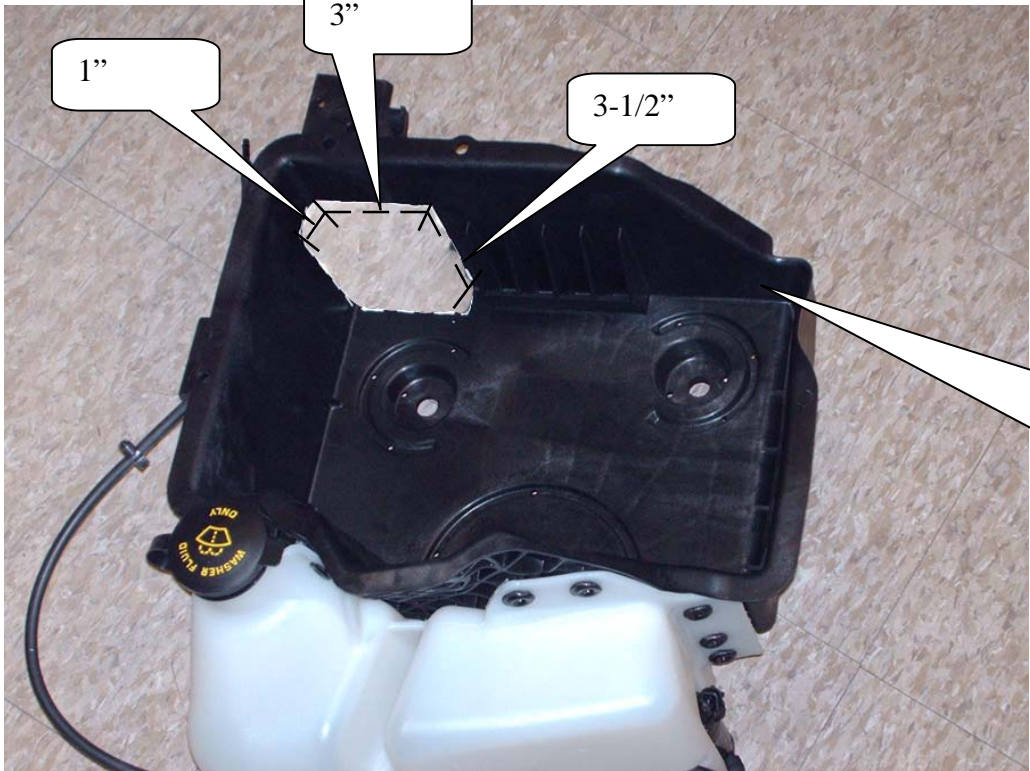


1"

3"

3-1/2"

PORTION  
OF  
BATTERY  
BOX TO BE  
REMOVED



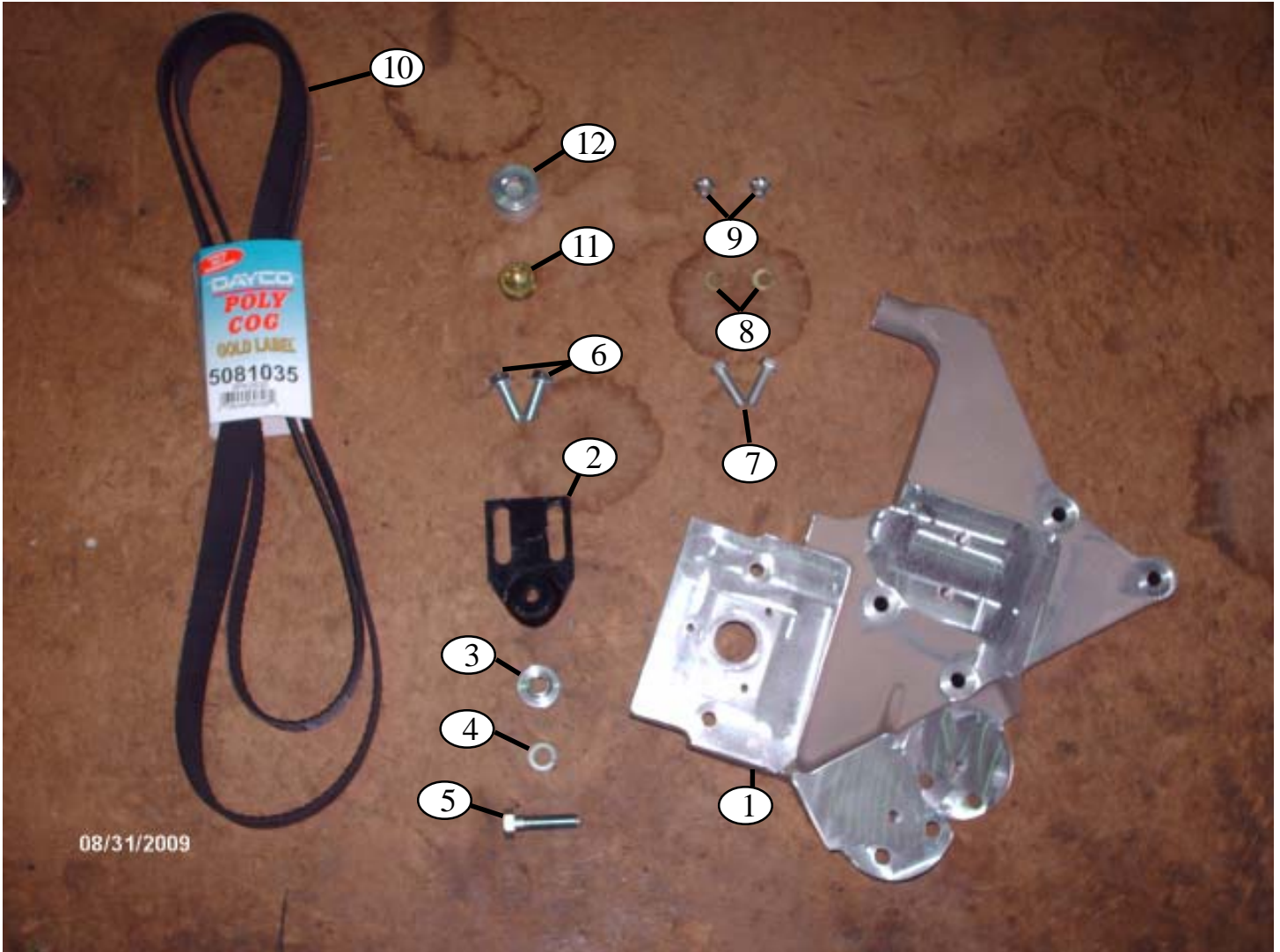
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## PARTS LIST

- |    |                             |     |                  |
|----|-----------------------------|-----|------------------|
| 1. | FMP260A-I8AL                | 8.  | 3/8 LW (2)       |
| 2. | FMB2601-I8AL                | 9.  | 3/8 Nut (2)      |
| 3. | FMB2602-I8                  | 10. | 5081035 (1)      |
| 4. | 12mm LW (1)                 | 11. | 22SS12V EPCO (1) |
| 5. | 12mm x 45mm (1)             | 12. | HHBP-16 (1)      |
| 6. | 10mm x 30mm Flange Bolt (2) |     |                  |
| 7. | 3/8 x 1-1/4 Bolt (2)        |     |                  |

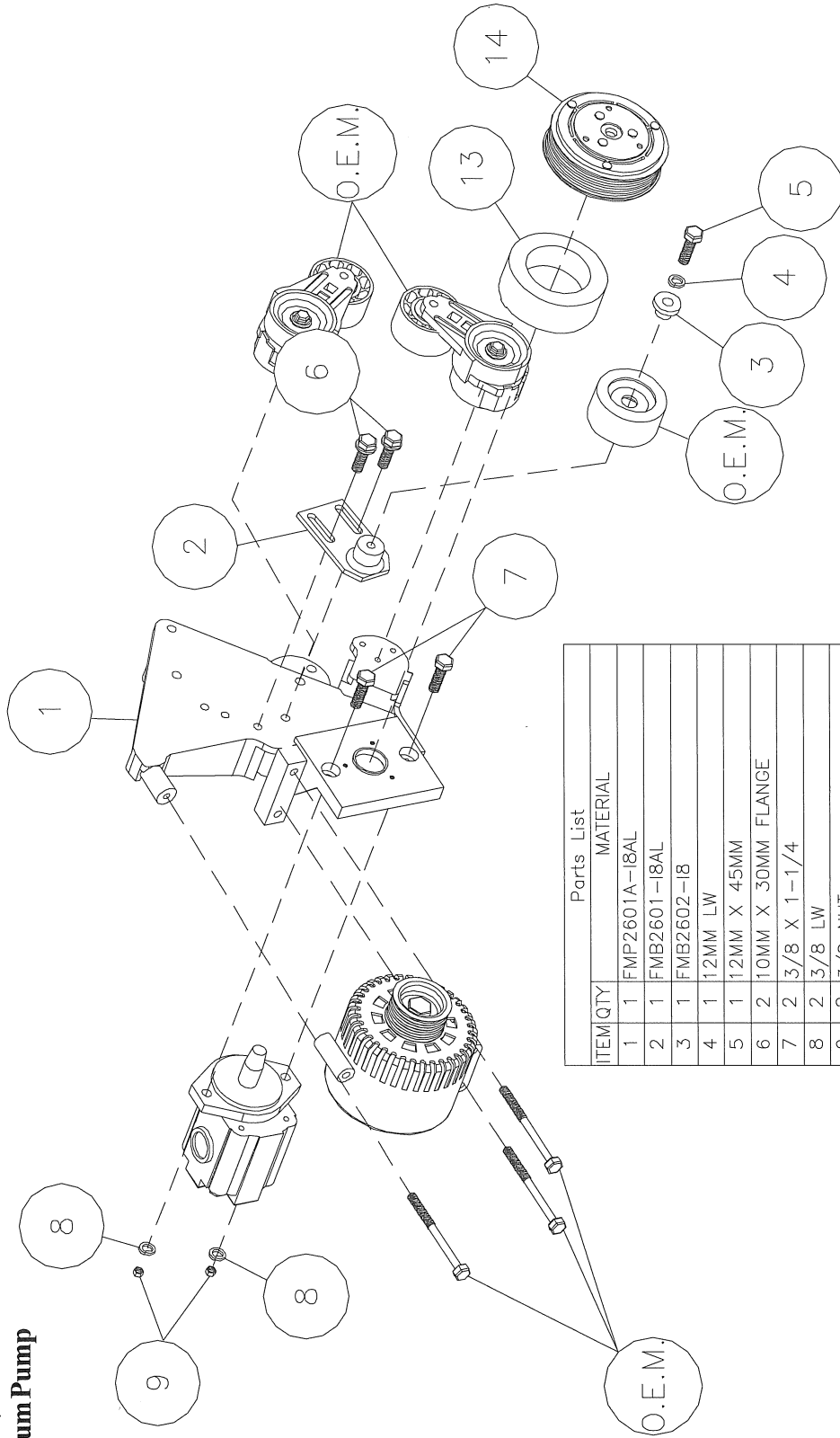
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| Parts List |                           |
|------------|---------------------------|
| ITEM       | QTY MATERIAL              |
| 1          | 1 FMP2601A-IBAL           |
| 2          | 1 FMB2601-IBAL            |
| 3          | 1 FMB2602-IB              |
| 4          | 1 12MM LW                 |
| 5          | 1 12MM X 45MM             |
| 6          | 2 10MM X 30MM FLANGE      |
| 7          | 2 3/8 X 1-1/4             |
| 8          | 2 3/8 LW                  |
| 9          | 2 3/8 NUT                 |
| 10         | 1 DAYCO 5081035 BELT      |
| 11         | 1 22SS12V EPCO            |
| 12         | 1 HHBB-16                 |
| 13         | 1 Clutch (Sold Separatly) |
| 14         | 1 Coil                    |