



CW MILL EQUIPMENT CO., INC.
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DMK 55SD508-6
2003-07 Dodge R-250,350
5.9 I.S.B. Cummins Diesel
With A/C only

INSTALLATION NOTES

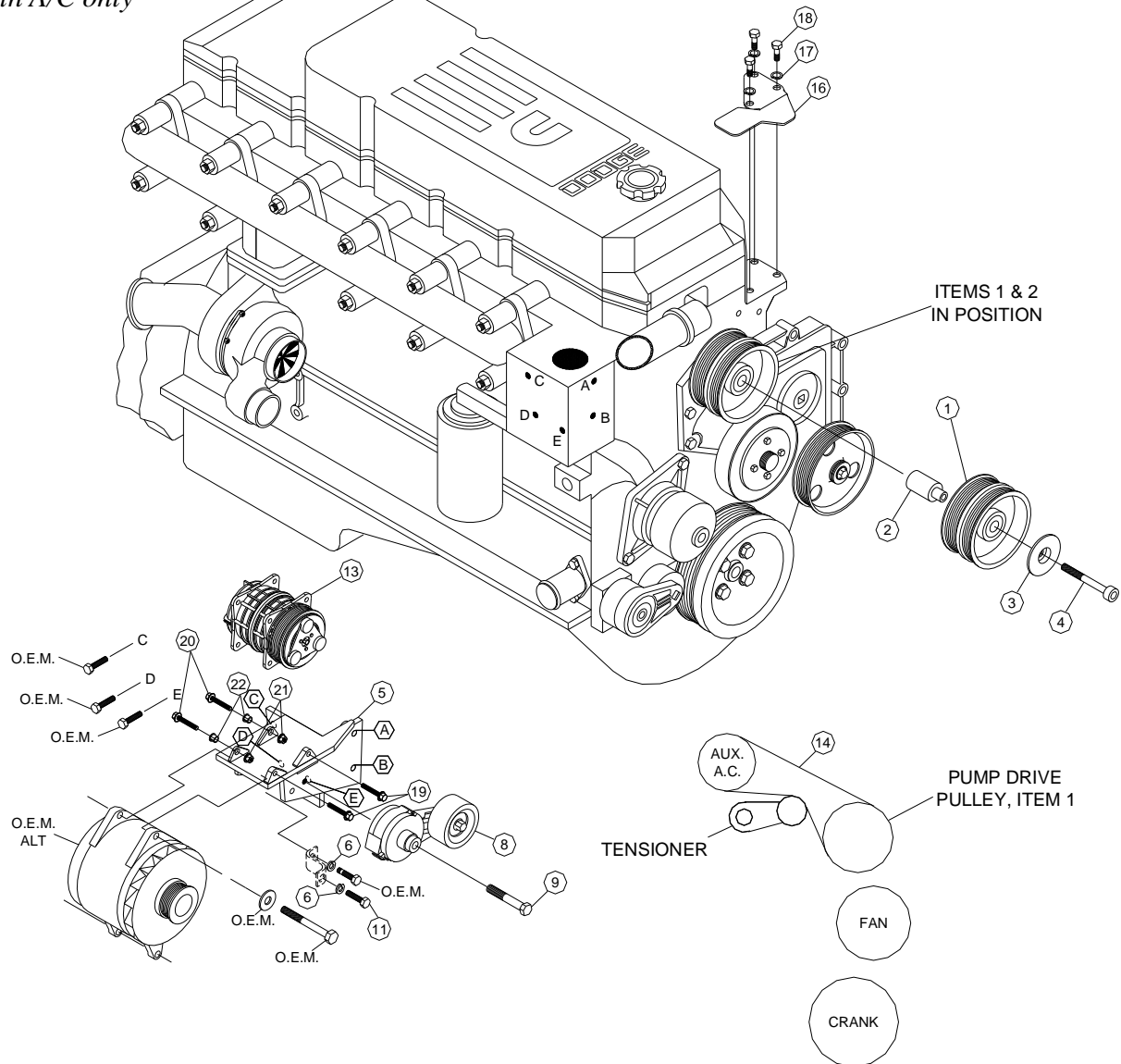
1. Disconnect the negative battery cables. Drain the engine coolant until the water level is several inches below the upper radiator hose. Remove the air cleaner assembly. Disconnect the fan clutch wire at the bottom of the fan shroud and remove the wire from the fan shroud. Remove the fan (*fan nut has right hand threads*), fan shroud and coolant reservoir from the engine compartment. Trucks with a build date of Jan. '04 and later will not require the removal of the radiator reservoir, but will require the removal of the fan shroud brace located high on the passenger side.
2. Remove the serpentine belt. Remove the upper alternator bolt and loosen the lower bolt. Swing the alternator towards the fender. Remove the alternator bracket and the engine lifting lug, they will not be reused.
3. Move the wire loom that runs across the front of the engine behind the thermostat housing. Install the main bracket reusing the three 10mm alternator bracket bolts at locations "C", "D" and "E" and bolts (7) with lockwashers (6) at locations "A" and "B". Use O.E.M. bolt at location "A". Tighten bolts evenly. Raise the alternator until the hole in the alternator aligns with the bushing on the bracket. Install the OEM alternator bolt. If the truck has a build date of Jan. '04 or later, attach shroud brace (10) with bolt (11) and lockwasher (6), and flatwasher (12).
4. Remove the grooved idler from the top of the engine and replace it with the idler pulley assembly (1 through 4). Install the OEM serpentine belt to its original routing. Install the aux. A.C. (13) with bolts (19,20), nuts (21) and slide bushings (22). Install the A.C. belt tensioner (8) onto the bracket with bolt (9). Install the A.C. drive belt according to the diagram.
5. Replace the fan, fan shroud and coolant reservoir. If the truck has a build date of Jan. '04 or later, the fan shroud will need trimmed for adequate clearance. Drill a 3/8 hole in the shroud for brace (10) and use bolt (11), flatwasher (12), and lockwasher (6) to secure shroud. **NOTE:** Coolant reservoir must be installed with the fan shroud. Connect the fan clutch wire. Replace the upper radiator hose. Remove the filter minder from the air cleaner cover and replace it with the aluminum plug. Install the air cleaner assembly. Replace the engine coolant. Connect battery cables. Run the engine and check for proper belt tracking. Adjust if necessary.

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BELT ROUTING

PARTS LIST

- | | |
|--------------------------|--|
| 1. DPC 556D (1) | 12. 8mm FW (1) |
| 2. DMB 550D (1) | 13. A.C. Compressor (<i>Sold Separately</i>) |
| 3. DMB 554 (1) | 14. Dayco 5060380 (1) |
| 4. 10mm x 100mm SHCS (1) | 15. DMB 552 (1) Aluminum plug |
| 5. DMP 55SD508-6 (1) | 16. DMB 553 (1) |
| 6. 8mm LW (3) | 17. 10mm FW (3) |
| 7. 8mm x 35mm Bolt (2) | 18. 10mm x 20mm Bolt (3) |
| 8. 8920236 (1) | 19. 10mm x 30mm Flange (2) |
| 9. 12mm x 80mm Bolt (1) | 20. 10mm x 40mm Flange (2) |
| 10. DMB 551 Brace (1) | 21. 10mm Flange Nut (2) |
| 11. 8mm x 25mm Bolt (1) | 22. 1255-0090 Slide Bushing (2) |