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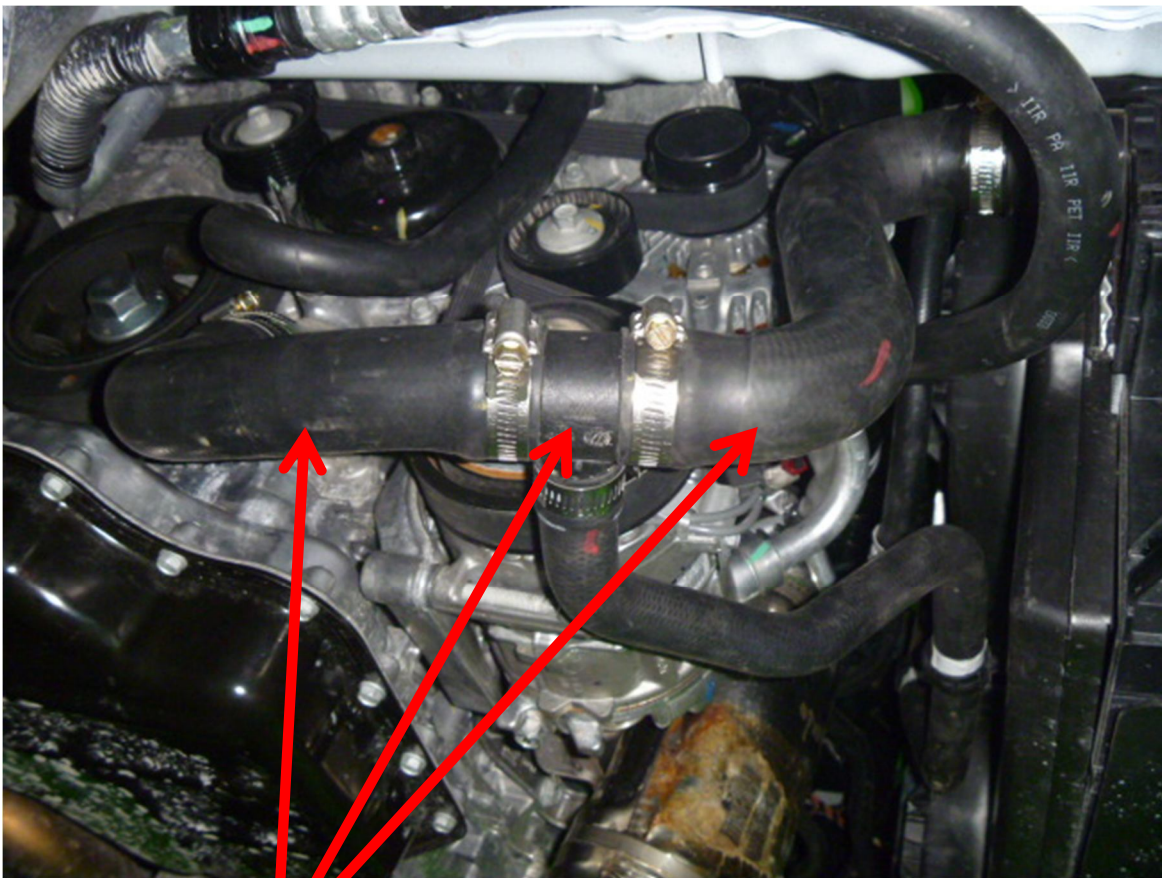
VDK30SD508-6
2014-2017 RAM PROMASTER
3.6L V6 GAS

INSTALLATION NOTES

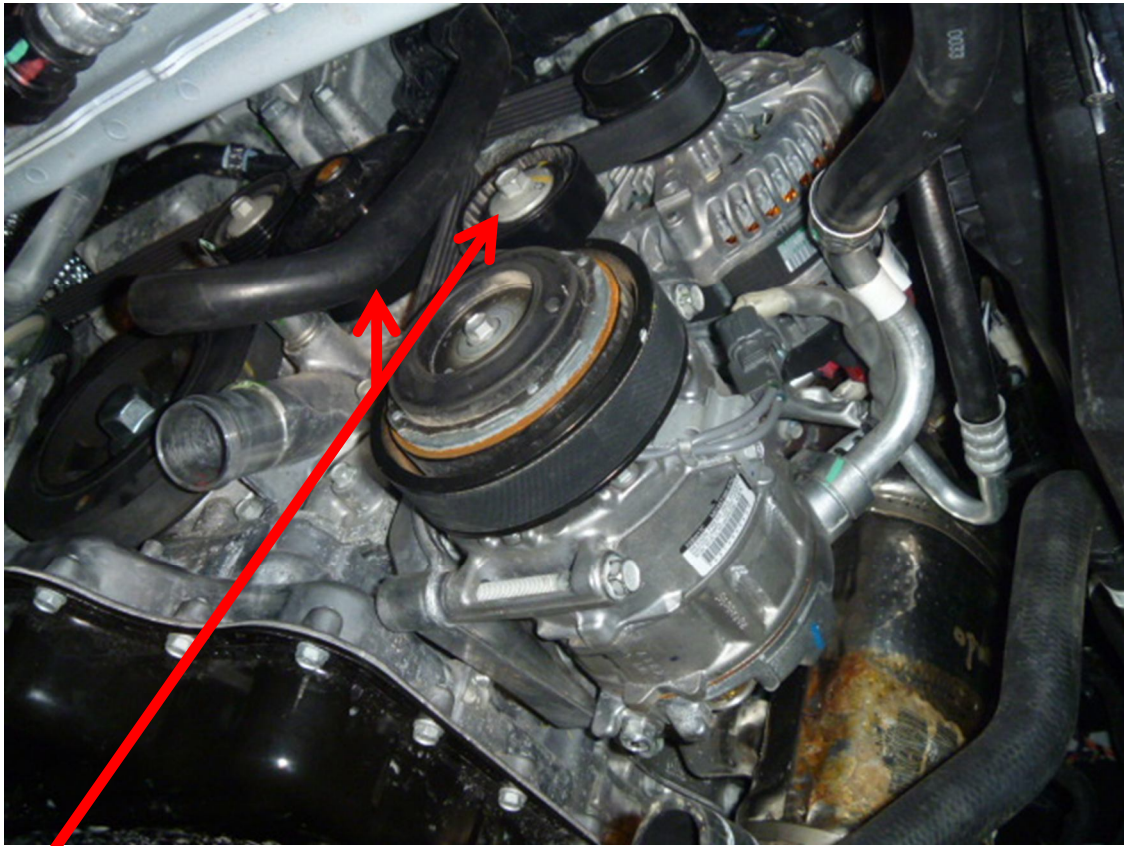
Remove the splash shield from underneath the van.

Allow engine to cool before installing this kit. Drain engine coolant (can be done by removing hoses).

Disconnect negative battery cable (battery is located under driver floor board).



Remove these hoses and the plastic "T". Discard clamps. The hose with two 90 Deg.bends will be reused.



Remove the OEM belt.

Remove this bolt and replace with bolt(33), lock washer(11), clamp(32) and bushing(31), securing this hose away from belts.

Unplug the wire harness from the factory AC compressor and remove the harness from the stud on the back of the compressor.

Remove the three bolts from the factory compressor and let hang.

Remove the factory bracket from behind the compressor.



Install first bracket(4) as shown above using bolts(5,6,7,8). Start all bolts before tightening.



Install second bracket(9) using bolts(10) and lock washers(11) as shown above bolting through the factory compressor making sure to start all bolts before tightening. NOTE: AC line location in photo above needs to be achieved.

Reinstall the wiring harness to the factory compressor making sure to route away from the exhaust.

Remove the harmonic balancer bolt. There is an access point to the flywheel on the bottom of the bell housing. Remove the rubber plug and use a pry bar to keep the engine from turning over while removing the bolt.

2/2/2017

Install new drive pulley(1) using bolt(2) and flat washer(3). Make sure the pulley pilots into the harmonic balancer. Rotate the pulley counter clockwise until the pins on the back of the pulley make contact with the balancer and torque bolt to 30 ft./lbs. plus 105 deg.. Replace the plug for the bell housing.

Install the new multiple accessory belt(34)



Install the tensioner(25) using bolt(26).

Install the idler(19) using bushing(18), bolt(21) and flat washer(20).

Install the auxiliary compressor using bolts(27,28), slide bushings(30) and nuts(29).

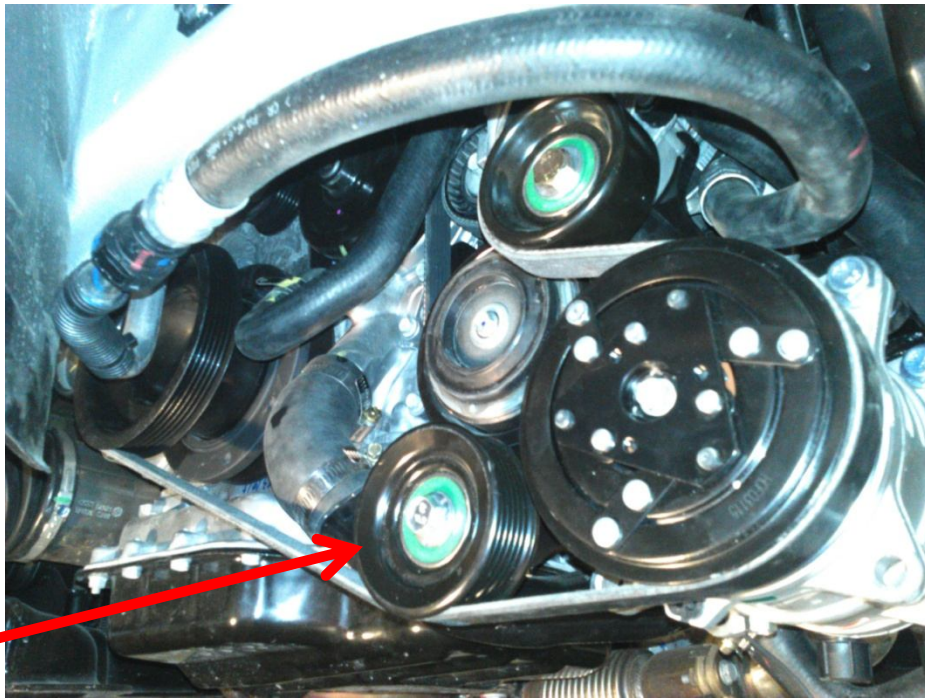


Install new hose(13) onto the water pump using clamp(14) putting the short end of the elbow on the water pump outlet. Reinstall the hose with two 90 deg. bends back onto the radiator rerouting the hose behind the add on compressor using clamp(14). Install the new radiator line(12) connecting it to both hoses using clamps(14,15).

Install the coolant tank hose to the new radiator line using clamp(16). Once positioning of the radiator lines are achieved tighten all clamps.

The factory air conditioner line will need to be bent to clear the bracket and not pinch the lower radiator hose. Use the zip tie(17) to hold the upper portion of the radiator hose to the OEM AC line to prevent chafing. Also check the clearance of the other air conditioner line to the exhaust and bend if needed. It is very important that all hoses and lines have proper clearances to prevent damage to the lines or other components.





Install idler(23) using bolt(24) and bushing(22).

Install the new auxiliary compressor drive belt(35).

Replace the engine coolant.

Connect negative battery terminal.



Trim the splash shield and reinstall using OEM hardware.



PARTS LIST

- | | |
|--------------------------------|--|
| 1. VDPC306 (1) | 19. 89007 (flat) (1) |
| 2. 16mm x 80mm 1.5 (1) | 20. 3/8" Flat Washer (1) |
| 3. 16mm Thick Flat Washer (1) | 21. 10mm x 110mm (1) |
| 4. VDMB301 (1) | 22. VDMB306 (1) |
| 5. 8mm x 25mm FSHCS (2) | 23. 89051 (grooved) (1) |
| 6. 8mm x 25mm Flange Bolt (2) | 24. 10mm x 40mm Flange (1) |
| 7. 10mm x 30mm Flange Bolt (1) | 25. 89260-051M (1) |
| 8. 10mm x 50mm Flange Bolt (1) | 26. 10mm x 80mm (1) |
| 9. VDMB302 (1) | 27. 10mm x 30mm Flange Bolt (2) |
| 10. 8mm x 90mm (5) | 28. 10mm x 40mm Flange Bolt (2) |
| 11. 8mm Lock Washer (5) | 29. 10mm Flange Nut (2) |
| 12. VDMB303 (1) | 30. 1255-0090 Slide Bushing (2) |
| 13. VDMB304 (1) | 31. VDMB307 (1) |
| 14. #24 Hose Clamp (3) | 32. #16 Heavy Duty Wire Loom Clamp (1) |
| 15. #20 Hose Clamp (1) | 33. 8mm x 40mm (1) |
| 16. #12 Hose Clamp (1) | 34. 5060860 (1) |
| 17. 15" Zip Tie (1) | 35. 5060555 (1) |
| 18. VDMB305 (1) | |