

Ford 6.4L : D, 2008+, "A, SF Pump", Side Port

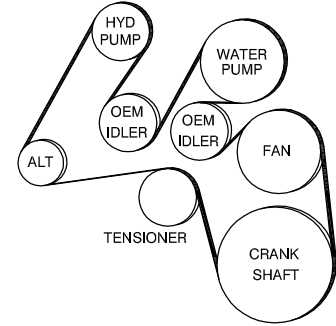
**Bolt Packages:**

Bracket	711866 (Inc. item 4)
Idler	None
Crank pulley	None
Tensioner	None

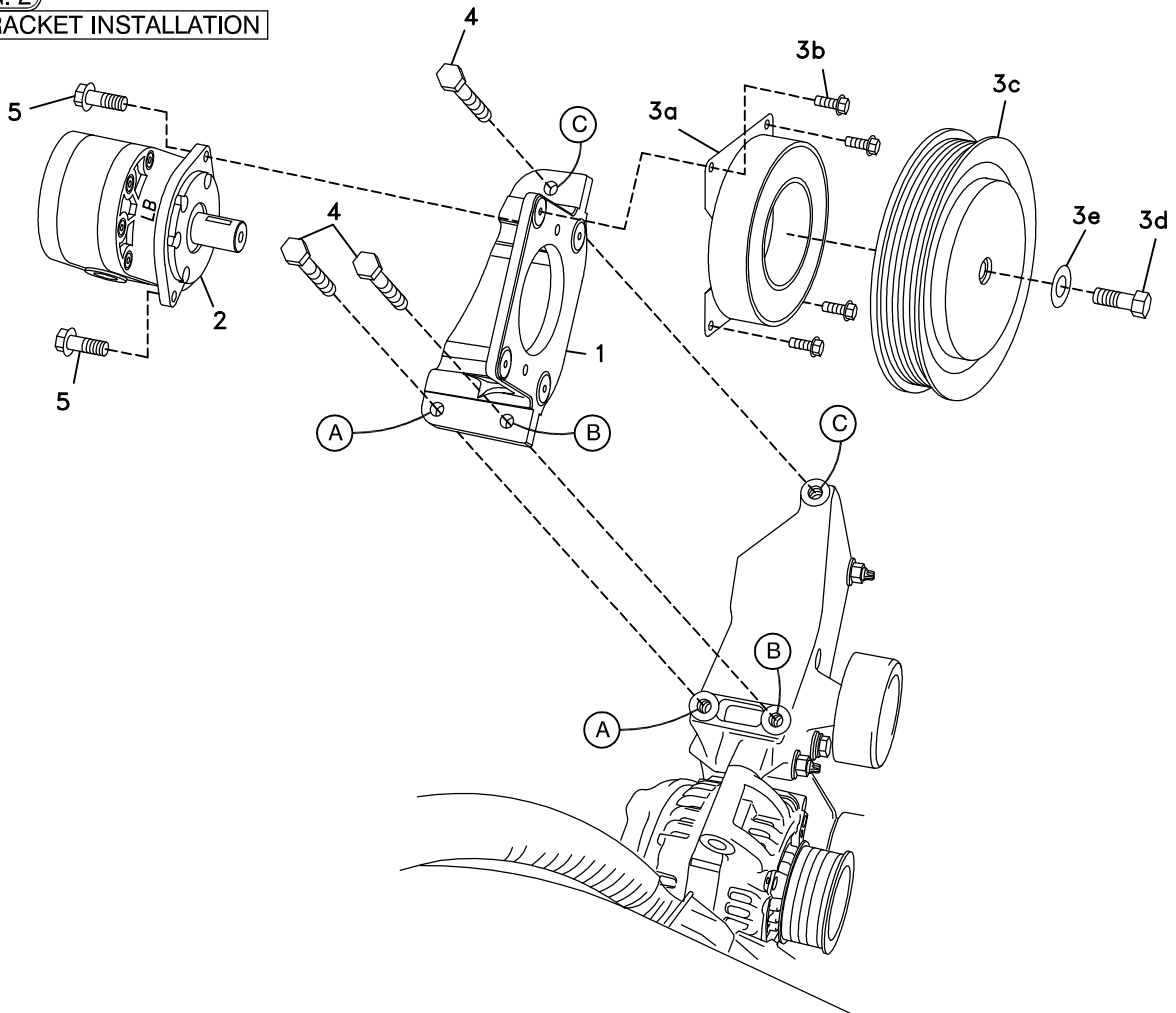
Bracket Assy.	None			
Issue Date	6-1-07	Revision Date	A	6-21-07

Item	Part No.	Description
1.	711858	Engine bracket
2.	*	Pump / Side port
3.	742009	Clutch
4.	110526	M10 x 1.5 x 40 Bolt
5.	110440	3/8-16 x 1 Flange head bolt
6.	742053	Belt, Micro-V K081045

**FIG. 1**  
**BELT DIAGRAM**



**FIG. 2**  
**BRACKET INSTALLATION**



(A),(B),(C)... Denotes bolt holes in engine to locate corresponding holes in Pump Brkt.

# DewEZE Clutch Pump Kit 700470

Ford 6.4L, A, Short shaft, Side Port, 2008+

## INSTALLATION INSTRUCTIONS

1. The installation of this kit requires trained decision-making concerning clearances, tying components together, rerouting, or relocating OEM components, etc. It is impossible to describe all of the clearance and vibration points, etc. in the installation instructions. Therefore, the technician must exercise professional judgment to achieve the best quality installation.
2. Disconnect the battery.
3. Remove air filter. Disconnect wires from airbox. Loosen clamp and remove the airbox.
4. Loosen the clamps on the intercooler tube, and pull the ends of the tube out from the rubber transition.
5. Remove the OEM belt.
6. Install the hose adapters into the pump ports. Bolt pump (2) onto pump plate (1) with two 3/8 x 1 bolts (5). Attach coil (3a) with four 1/4 x 1/2 flange bolts (3b). Torque these to 6 ft-lb. Attach clutch pulley (3c) to pump shaft with 5/16NF x 1 1/4 bolt (3d) and heavy washer (3e). Torque to 14 ft-lb.
7. Bolt the pump bracket (1) to the alternator bracket with three M10 x 40 bolts (4) at Locations A, B, and C.
8. Connect the hoses to the pump.
9. Install the belt (7) as shown in the belt diagram (Fig. 1).
10. Replace the air box and air filter. Reconnect the wires. Replace the intercooler tube and tighten the clamps.
11. Connect the battery.
12. Run the engine and check for any clearance or alignment problems. Adjust as needed.

### Helpful Hint:



The upper portion of the fan shroud may be removed for easier access to the belt. Be careful with shroud as plastic is brittle.

## **Tightening Instructions for 37° (JIC) Flared Fittings**

1. Sealing surface should be smooth and clean. Lubricate the threads and the entire surface of the cone with hydraulic fluid or a light lubricant.
2. Line up the two fittings and turn flare nut by hand until sealing surfaces contact.
3. Torque nut to these values:  
Dash size -16.....85 to 113 foot/lbs.  
-20....115 to 133 foot/lbs.  
  
If a wrench pad is provided next to nut, place a second wrench on pad to prevent flare from rotating while being torqued.

### **Alternate Assembly Method**

1. If torque wrench is not used, follow steps 1 and 2 above, then proceed with the following steps.
2. Turn the nut with a wrench until there is firm resistance.
3. Place a wrench on wrench pad next to nut near the 6 o'clock position.
4. Place a second wrench on nut near the 3 o'clock position.
5. Turn nut clockwise to no less than the 4 o'clock position and no more than the 6 o'clock position.

### **Why Surfaces To Be Torqued Should Be Lubricated**

Lubrication produces a more consistent coefficient of friction and it increases clamping force on sealing area with less torque on the threads. Over tightening causes threads to deform and lose their ability to maintain an adequate load or clamping force on the seating area. Extended operation and severe conditions causes further deforming which promotes the possibility of leaks. Improper installation is the greatest cause for leaks.