

**Ford, 5.4L:G, 2005+, F-350, A/C, AA Pump, Rear Port**

**Bolt Packages:**

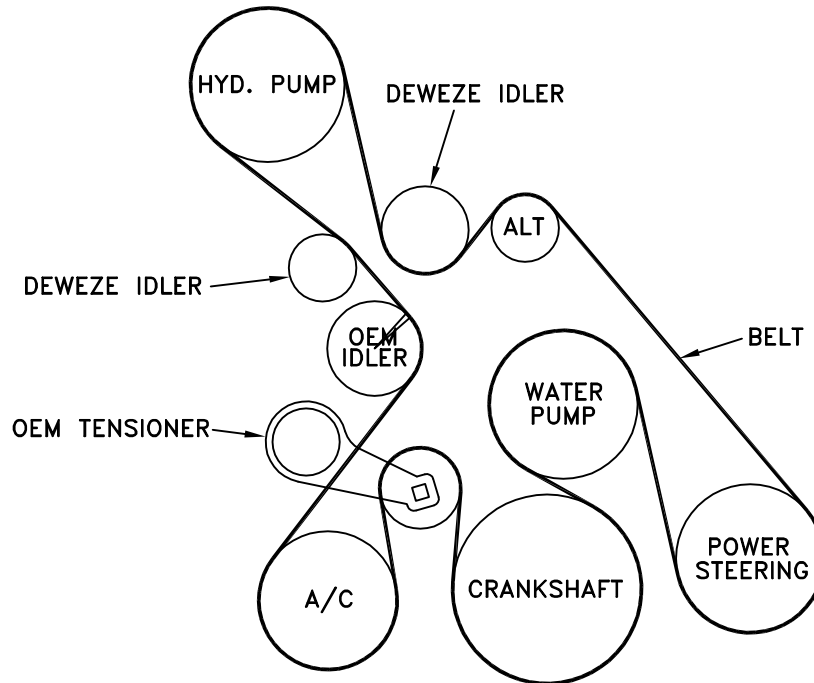
Bracket	None
Idler pulley	711678 (Inc. 2, 8, 17-19)
Pulley	None
Tensioner	None

Bracket Assy.	None	(Inc. items)
Issue Date	3-30-05	Revision Date NC 3-30-05

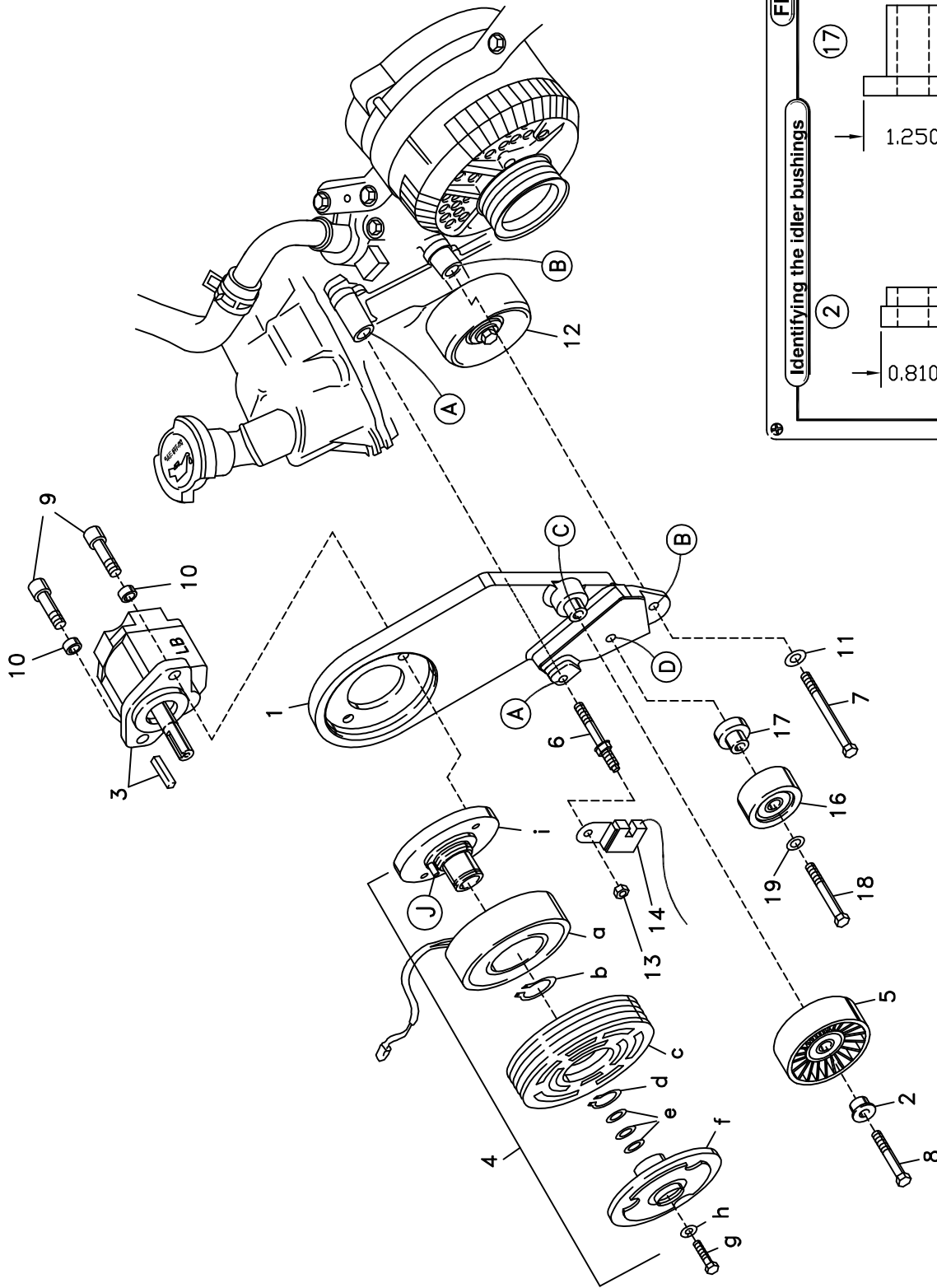
**Item Part No. Description**

1.	711677	Pump bracket	11.	110703	M8 Flat washer
2.	711072	Idler bushing	12.	OEM	Idler pulley
3.	*	Pump (rear port)	13.	OEM	Nut
4.	740162	Clutch	14.	OEM	Wire
5.	740389	Idler pulley	15.	740357	Belt, Gates 6K126.68
6.	OEM	Stud bolt	16.	740339	Idler pulley
7.	110140	M8 x 1.25 x 60 Bolt	17.	711688	Idler bushing
8.	110479	M10 x 1.5 x 30 Bolt	18.	110488	M10 x 1.5 x 45 Bolt
9.	110465	3/8 x 1 1/4 Socket head bolt	19.	110676	3/8 Flat washer
10.	110271	3/8 Lock washer, .55 O.D. x .13 thick			

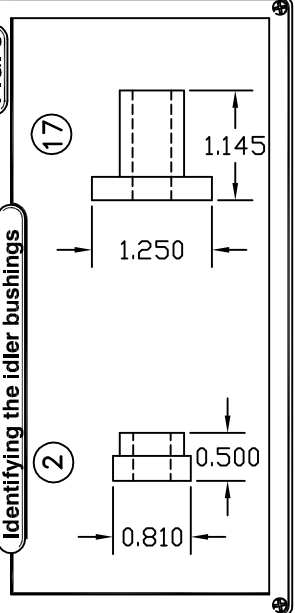
**FIG. 1**  
**BELT DIAGRAM**



**FIG. 2**



**FIG. 5**



# DewEze

Clutch Pump Kit  
#700439  
Ford 5.4L  
with A/C  
'AA' mount  
2005+

## INSTALLATION INSTRUCTIONS

1. Disconnect the battery.
2. Remove the OEM belt. Remove the fan shroud and fan.
3. Remove OEM idler pulley (12) to gain access to mounting bolt at location B. Keep the pulley and bolt.
4. Remove nut (13) holding wire at location A. Remove stud bolt (6) at location A. Remove OEM bolt at location B.
5. Hold pump (3) onto back of bracket (1) and clutch hub (4i) onto front of bracket, making sure anti-rotation pin (D) on front of hub is on top. Place two 3/8 x 1 1/4 socket head bolts (9) and 3/8 high collar lock washers (10) through pump, through mounting plate and thread into hub. Torque to 20 lb-ft.
6. Slide coil (4a) over hub, aligning hole in the back plate of coil with the anti-rotation pin (D) in the hub. The wires from the coil should be on the same side as the pin (D). Install large snap ring (4b) to hold coil in place.  
**NOTE: THE BEVEL ON BOTH SNAP RINGS MUST FACE AWAY FROM THE PUMP. REFER TO INSTRUCTION SHEET FOR THE CLUTCH FOR CORRECT INSTALLATION OF SNAP RINGS.**
7. Slide clutch pulley (4c) onto hub. Install small snap ring (4d) to hold pulley in place.
8. Place the key (3) onto the pump shaft. Slide the hub/armature (4f) onto the pump shaft aligning the keyways.  
**NOTE: SET THE AIR GAP BETWEEN THE HUB/ARMATURE AND THE PULLEY USING SHIMS (4e) ACCORDING TO INSTRUCTION SHEET FOR CLUTCH.**
9. Thread bolt (4g) and lock washer (4h) into pump shaft. Torque to value in clutch instruction sheet.
10. Install the fittings on the pump.
11. Insert the short idler bushing (2) into the 3" dia. idler pulley (5) and attach the other side to the boss on the front of the pump mount bracket (1) at Location C with the M10 x 30 shoulder bolt (8). Torque to 19-25 ft-lb.
12. Insert the longer idler bushing (17) into the beveled side of the 2" dia. idler pulley (16) and attach to the pump bracket at Location D with the M10 x 45 (18) bolt with a 3/8 flat washer (19). Torque to 19-25 ft-lb.
13. See Fig. 3. Disconnect the wiring from the alternator, pull it from the attachment points on the valve cover and push it back on top of the valve cover. Make sure the alternator wiring will not be pinched between the engine and the pump bracket when it is installed.
14. Attach the pump mount bracket (1) to the engine with the OEM stud bolt (6) at Location A and the M8 x 60 bolt at Location B. Torque these bolts to 19-25 ft-lb.
15. Replace the wire (14) on the stud bolt (9) rotating it 180 degrees from the OEM position so it points away from the pump bracket so it is not in the belt line. See Fig. 4. Reconnect wires to the alternator.
16. Reinstall OEM idler (12) using the OEM bolt in its original location. Torque to 19-25 ft-lb.
17. Install the serpentine pump drive belt (15) per diagram.
18. Connect the battery.
19. Run the engine and check for any clearance or alignment problems. Adjust as needed.

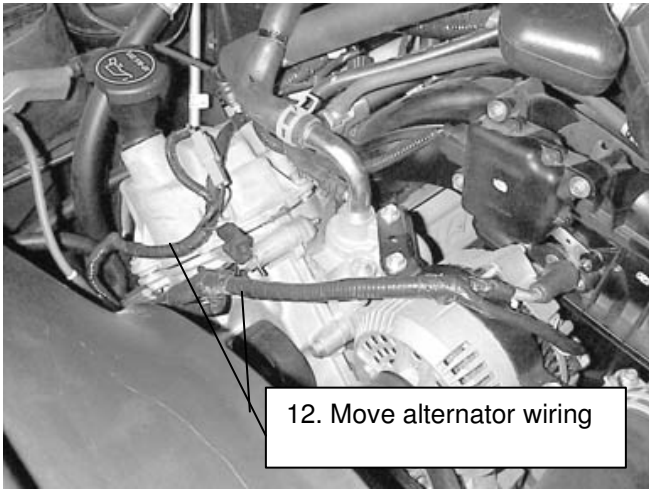


Fig. 3

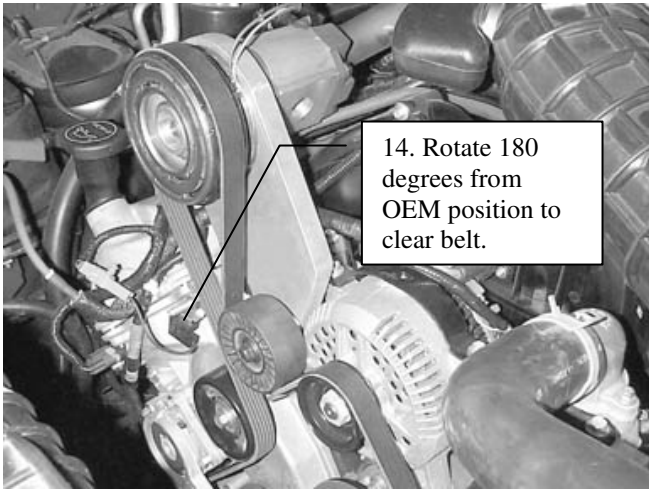


Fig. 4