1150 & 1155 FORD 4.6 INSTRUCTIONS

Disconnect battery.

Loosen alternator nut (this will require an air impact gun) Do Not Remove.

Loosen the four (4) bolts for the water pump pulley. Do Not Remove.

Remove center bolt and washer from the factory pulley / damper. Then remove alternator pulley and water pump pulley.

Use a three- (3) prong harmonic damper puller to remove the factory pulley / damper (Hint: hold the pulley with one hand when removing it. This will keep the pulley / damper from falling to the ground when it clears the end of the crankshaft.)

Install hub of factory harmonic balancer pulley in counter bore of new pulley. Align threaded hole in each pulley together. The keyway location is not important.

Install and hand tighten three- (3) ¾ x 1 ¼" bolts. The factory pulley does not completely sit into the underdrive at this point. Carefully tighten the three- (3) bolts equally in small increments to draw the two- (2) pulleys together. Remove the three (3) ¾" bolts.

Apply a hi-temp silicon sealer to the two- (2) pulley assembly keyway. Place pulley assembly onto the crankshaft. (Align pulley keyway with crankshaft key.)

Re-install the three- (3) ¾" hex bolts using Loctite #242 and tighten to 10-12 lbs.

Align the keyway on the two- (2) pulley assembly with the keyway on the crankshaft and slide it on to the crankshaft. (Hint: Place the two (2) pulley assembly in HOT water for about 15-20 minutes prior to installation.

Attach the two- (2) pulley assembly to the crankshaft using the new 12mm bolt provided and the original crank bolt washer. Use Loctite #242 or equivalent on the bolt and torque to 60 ft / lbs. Install the new alternator pulley and water pump pulley using the original crank bolt washer. Use Loctite #242 or equivalent on the bolt and torque to 60 ft / lbs.

Install the new alternator pulley and water pump pulley using the original crank bolt washer. Use Loctite #242 or equivalent.

Replace the belt. Consult a shop manual for proper procedure. Note: Inspect belt prior to re-installing. If evidence of wear exists, replace it with a new belt. NOTE: 8-rib belt must be replaced with new 6-rib belt.

Tighten alternator nut using an air impact gun. Then, tighten water pump bolts evenly. Reconnect battery. Start engine and check belt for proper alignment.