

# Timing Belt Replacement

**Meets NATEF Task:** (A1-B-13) Inspect and replace timing belts; adjust as necessary. (P-1)

Name \_\_\_\_\_ Date \_\_\_\_\_ Time on Task \_\_\_\_\_

Make/Model/Year \_\_\_\_\_ VIN \_\_\_\_\_ Evaluation: 4 3 2 1

\_\_\_\_\_ 1. Allow the engine to cool, and then remove the radiator pressure cap.

**CAUTION:** Do not remove the pressure cap until the engine has cooled. The sudden drop in pressure that occurs when the cap is removed can cause the coolant to boil and cause serious burns from the escaping hot coolant.

\_\_\_\_\_ 2. Drain the cooling system coolant into a suitable container and dispose it properly or recycle it. Remove the accessory drive belt(s). Remove other components and brackets necessary to remove the water pump from the engine. The parts that needed to be removed included:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ 3. Remove the timing belt covers.

\_\_\_\_\_ 4. Loosen or remove the timing belt tensioner(s).

\_\_\_\_\_ 5. Many experts recommend that the following items be replaced whenever replacing a timing belt to prevent premature failure due to contamination with oil or coolant.

water pump, camshaft seals (if equipped), crankshaft front seal, tensioner(s)

\_\_\_\_\_ 6. What parts were replaced? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ 7. Install a new timing belt and double check that the valve timing is correct.

\_\_\_\_\_ 8. Reassemble the front of the engine.

\_\_\_\_\_ 9. Refill the cooling system with new coolant.

**CAUTION:** Be sure to open the cooling system bleeder valves(s), if equipped, to avoid trapping air.

\_\_\_\_\_ 10. Install the radiator pressure cap and start the engine. Check for leaks and proper cooling system operation.