

Variable Valve Timing System Diagnosis

Meets NATEF Task: (A8-B-3) Diagnose the causes of emissions or driveability concerns with stored or active DTCs; obtain, graph, and interpret scan tool data. (P-1)

Name _____ Date _____ Time on Task _____

Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1

_____ 1. What diagnostic trouble code (DTC) has been set? (check all that apply)

- _____ P0010 – “A” camshaft position actuator circuit
 _____ P0011 – “A” camshaft position timing or system performance
 _____ P0012 – “A” camshaft position – timing over-retarded
 _____ P0013 – “B” camshaft position – actuator circuit
 _____ P0014 – “B” camshaft position – timing or system performance
 _____ P0015 – “B” camshaft position – timing over-retarded
 _____ P0016 – P0019 – crankshaft position – camshaft position correlation error
 _____ Other (describe) _____

_____ 2. What is the specified diagnostic step to follow according to service information?

_____ 3. What was the root cause of the problem? _____

