

Student Tracker

Engine Block External Re-Assembly (EBER)

Name: _____

Please complete the following competencies using the proper procedures, service information, and tools. Be prepared to explain to the teacher what you did. After completion of each competency, your teacher will initial next to each number.

Engine: _____

1. Demonstrate how to properly re-assemble engine block external components on engine block.

Cylinder head bolt torque spec: _____

Intake bolt torque spec: _____

Oil pan bolt torque spec: _____

Timing cover bolt torque spec: _____

Valve covers bolt torque spec: _____

Harmonic balancer/damper bolt torque spec: _____

Dress sealing areas with fine sandpaper (cylinder head, intake, oil pan, valve covers, timing chain cover, etc.) and clean

Install head gasket and cylinder heads

Install pushrods and rocker arms

Install intake

Install timing chain cover

Install oil pump, oil pan pickup and oil pan

Install harmonic balancer/damper

Install valve covers

2. Demonstrate how to check engine block external components for proper re-assembly.

Adjust valves

Turn crankshaft (you should feel resistance at times due to compression but otherwise it should be smooth)