

Job Sheet 3-1

Name _____ Date _____

Engine Operation Observation and Valve Train Identification

Upon completion of this job sheet, you should be able to observe the actions of the valve train and identify some characteristics of the valve train.

Tools and Materials

Safety glasses

Mock-up engine or demonstration engine

PROCEDURE

For each step, the student will check off a "task completed" box.

	Completed
Observe opening and closing of the valves.	_____
Rotate engine and observe action of valves during the four strokes.	_____
Observe piston as it moves up and down.	_____
Observe the crankshaft during the four strokes of an individual piston.	_____
Observe the valve train (camshaft, lifters, pushrods, rockers, valves).	_____
Observe the way the camshaft rotates and opens the valve.	_____
Identify the type of valve train the engine has.	OHC OHV
Identify the way that the gears of the camshaft are linked.	belt chain gear
Identify the number of cylinders the engine has.	4 6 8 other _____

Instructor's Response: