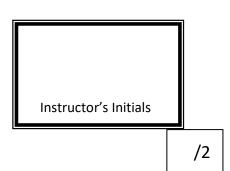
Job – Piston, Rings & Connecting Rod

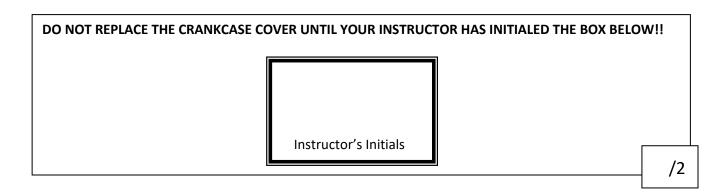
Disassembly (OLD ENGINE!!!)

- 1. Follow the procedure for piston removal as described in the Briggs & Stratton Service Manual (Section 9, Page 2)
- Remove the piston from the engine.
 Note the connecting rod cap's alignment marks.
- 3. Remove the Camshaft, crankshaft and tappets.
- 4. **DO NOT** separate the piston from the connecting rod.



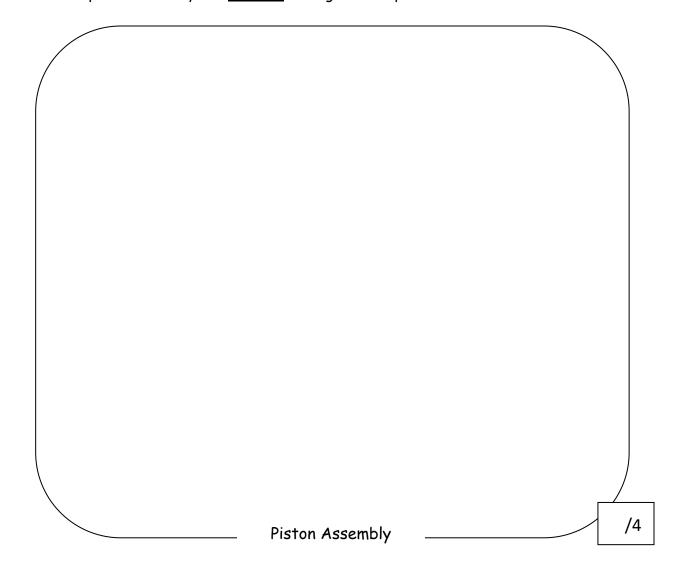
Reassembly

- 1. Following the instructions found in the Briggs & Stratton Service Manual (Section 9 Pages 4 6)., replace the piston in the cylinder and correctly assemble the connecting rod.
- 2. Insert the tappets and the camshaft. Take care to align the camshaft and crankshaft gears correctly (Note: The alignment dots/lines...)



credit for c		, reassembles show in	to your instructor to obtain	
		Instructor's Initia	als	
1. With the		, explain clearly why as	ssembly marks are necessar	y to correct
1. With the		, explain clearly why as	ssembly marks are necessar	y to correct
1. With the	e aid of a diagram	, explain clearly why as	ssembly marks are necessar	y to correct
1. With the	e aid of a diagram	, explain clearly why as	ssembly marks are necessar	y to correct
1. With the	e aid of a diagram	, explain clearly why as	ssembly marks are necessar	y to correct
1. With the	e aid of a diagram	, explain clearly why as	ssembly marks are necessar	y to correct

2. Draw the piston assembly and <u>label all</u> its regions/components with correct names.



3. What name is given to the system for lubrication used in this engine? Explain how it works. (If your oil distribution system is missing, what type of system might you expect to find?)

/2

4.	Examine the wrist pin. How does it appear to be held in place?	
		/1
5.	Although likely missing on the engine that you are working with, many engines utilize specialized 'locking system' on the connecting rod bearing cap fasteners. What is it Why is this necessary?	
6.	When engines are assembled care is always taken to align 'timing marks' found on bot camshaft and crankshaft gears/sprockets. What could/would the result be if these were incorrectly aligned?	
7.	Why do engines need oil?	/1
		/2