

Names: \_\_\_\_\_ Engine #: \_\_\_\_\_ Period: \_\_\_\_\_

M.T.H.S. - Auto Tech  
Mr. Carlson

1st Member: \_\_\_\_\_ %

2nd Member: \_\_\_\_\_ %

Date: \_\_\_\_\_

## Briggs & Stratton Engines - Part A: Testing & Diagnosis

### Auto Tech Unit Activities Checksheet (One per Team) - Version 1.2

No.	Activity Description	Date	1st Member Percent	2nd Member Percent	Initials
1.	<b>WARNING: DO NOT DISASSEMBLE YOUR ENGINE UNTIL THIS UNIT IS COMPLETE AND YOU HAVE INSTRUCTOR'S PERMISSION. SIGN @ LEFT IN BOX.</b>	Date:			I understand!
2.	Read <i>Using Hand Tools</i> Chapter (5%): Carefully and completely read Chapter 4: "Using Hand Tools" (pp. 25-36) in your WAM* book. Also, study all the pictures and diagrams. <b>You must do #3 below to get credit for this.</b>		5%?	5%?	
3.	<b>Do Chapter 4 Q's &amp; A's (10%):</b> Do Chapter Review questions and answers at the end of Chapter 4 (p. 36, #'s 1-15). <b>Use a piece of notebook paper, write question # just to left of red line, next write "Q:" &amp; write out the question, on next open line write "A:" write out the answer, and then leave a space between that answer and the next question. One set per student, both turned in.</b> Include names on each. See sample on reverse side.		10%?	10%?	
4.	<b>Video Notes on Hand Tool Safety by Snap-On (21:00) (10%):</b> View video and take organized notes. Exceed a half page, single-spaced for most credit.		10%?	10%?	
5.	<b>Engines, Lockers, &amp; Tools Assigned &amp; Start Journal (10%):</b> Obtain engine and Sign up in 2 person teams on team sheet by the number of the engine. Get locker combinations. Check tool set against tool set inventory checklist and sign it when tool set complete. Start your journal including sketches and note taking as you diagnose engine condition. One journal per team.		10%?	10%?	
6.	<b>Tool Set Inventory (10%):</b> Obtain B & S 40-piece Tool Set Checklist & check on all tools so set complete. <b>Sign, Date, and have instructor sign off here and you keep it for later.</b>		20%?	20%?	I
7.	<b>Engine Condition Card (20%):</b> Check oil before trying to start your engine. <b><u>BE SURE TO WEAR EYE PROTECTION.</u></b> Engine Testing Before Teardown (1 per engine) Start your engine and see that it 1) Starts easily, 2) Idles, 3) Revs cleanly ( <b>DON'T REV FOR OVER 2 SEC.</b> ), and 4) Shuts down easily. Complete your Engine Condition Card. <b>Have instructor check it off.</b>		20%?	20%?	I
8.	<b>Compression Test (CT) Before Teardown (20%):</b> (1 per student) Obtain CT sheet and perform CT on your engine and 3 other engines. Complete sheet and get signed off for it. <b>Have instr. check off your reading → _____ p.s.i.</b>		20%?	20%?	I
9.	<b>Cylinder Leakage Test (CLT) Before Teardown (10% extra cr.):</b> (1 ea.) Obtain CT sheet and perform CT on your engine and 3 other engines. Complete sheet and get signed off for it. <b>Have instructor check off your reading → _____ %</b>		10%?	10%?	I
10.	<b>Assembling Your Work For Submission (5%):</b> <u>Neatly Assemble</u> The Papers Above In Correct Order And Staple To This Sheet. No Fuzz. No 5% For Collating And Stapling That Is Not Neatly Done. <b>Place your individual self-assessment percents in boxes and the individual unit totals at the top above.</b>		5%?	5%?	
11.	<b>Unit Quiz (if available):</b>				

\* I = Instructor's Signature

## ***How To Do Q, A, Space Form***

### **Instructions:**

1. Use 8-1/2" x 11" notebook paper.
2. Write in Your Name and Period # at the top as shown below.
3. Leave a blank space between the Title and Question 1.
4. Write the question number just to the left of the red line.
5. Write in a capitol "Q:" just to right of red line and write out question.
6. Write a capitol "A:" in the **next open line** as shown below and write out your answer.
7. Leave a blank space at shown below.
8. Start next question as in # 4 above and continue until assignment completed.

	Your Name	Period #
	Chapter #: Chapter Title, Page #'s	
	(Leave this space blank.)	
1.	Q: Write out the question exactly from book or a simplified version here. It may go more than one line.	
	A: Research and write out your answer to the question here. It may go more than one line also.	
	(Leave this space blank.)	
2.	Q: Write out the question exactly from book or a simplified version here. It may go more than one line.	
	A: Research and write out your answer to the question here. It may go more than one line also.	
	(Leave this space blank.)	
3.	Q: Write out the question exactly from book or a simplified version here. It may go more than one line.	
	A: Research and write out your answer to the question here. It may go more than one line also.	
	(Leave this space blank.)	
4.	Q: Write out the question exactly from book or a simplified version here. It may go more than one line.	
	A: Research and write out your answer to the question here. It may go more than one line also.	
	(Leave this space blank.)	