

2.72 Machine Lab 1
Briggs & Stratton Engine Dissection

1. What is the function of this machine?
2. What are the inputs, outputs?
3. What materials are the major components made of?
4. What is the cover made of? What is its function?
5. How does the starting mechanism work?
6. What is the function of the white plastic paddle?
7. Note any interesting features of the flywheel and hypothesize (briefly) about their function
8. Why is the inside surface of the crank case different than the outside surface?
9. What material is the crank case made of?
10. What function do the pins serve?
11. How is the main shaft supported?
12. How is the cam shaft supported?
13. Why are the cams and the can gear made of plastic?
14. How is the steel gear coupled to the shaft?
15. Is the shaft a constant diameter? If not, why not?
16. If you are not familiar with the 4 stroke engine cycle, have someone explain it to you now.
17. Where is the spark plug? How is it powered?