Team: \_\_\_\_\_\_\_\_\_\_\_\_

Device: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Goals for reverse engineering of assigned device (Problem definition?)

Plan for reverse engineering of device. Include plans for any proposed disassembly. (Implementation?)

Part(s) chosen for reverse engineering analysis: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The function of the part(s) in the device:

Describe the part(s) (you may, if you wish, attach sketches to the back of this sheet) - material(s), shape, size, color, hardness, thickness, etc.

WHY does the part(s) have these properties? What potential problems were solved by designing the part(s) to have these properties?

Write down whatever you know or can deduce about how the part(s) are manufactured.

Write down how you would re-engineer the device, the part(s), and/or the manufacturing processes to (a) reduce the part count, or (b) make the device/the parts: better, faster, cheaper, stronger, easier to use

Why are the changes suggested above not part of the device?

List at least five of the problem solving tools/heuristics/skills/approaches that you used in the course of this exercise. Describe why you chose them and how you used them.