

MAUTEC 311

Engine Disassembly and Reassembly Procedures

Name _____ Teamates: 1. _____
2. _____ 3. _____ 4. _____

NOTES - IMPORTANT: READ CAREFULLY

The procedures described are for a General Motors small block V-8 engine. **Consult appropriate manuals, or your instructor whenever in doubt of any procedure.**

Instructor checks are required at various points on this procedure. **Any time you do not get initials, your entire team will be required to disassemble or reassemble to the previous point of instructor check.**

Because of limited time, you will be disassembling only one side of the engine.

Store bolts in baggies with a tag of where they go. If different size bolts are in different positions, make note on the baggie of which bolt goes where e.g. "Two short head bolts go at ends of the head."

1. Drain engine oil, and put in storage jugs. Remove and drain filter. Store filter upright.
2. Remove right exhaust manifold. (All other parts will be removed from this same side).
3. Remove starter.
4. Remove water pump.
5. Remove carburetor. (Note: keep upright because it may have fuel in it).
6. Remove distributor.
7. Remove valve cover.
8. Remove intake manifold.
9. Remove rocker arms, nuts, pivot balls, and push rods. (Note: engines will vary).
10. Remove lifters and store in lifter block. **Do not mix up.**
11. Remove head bolts and cylinder head. (Pay attention to length of bolts).
12. **INSTRUCTOR'S INITIALS** _____
13. Drain oil again.
14. Rotate engine on stand 180 degrees.
15. Remove oil pan. Clean out any sludge in the pan and wash in parts washer. Store pan upright.