EO C470.04 – DISASSEMBLE AND REASSEMBLE A SMALL ENGINE

1. **Performance**: Disassemble and Reassemble a Small Engine

2. **Conditions**:

   a. Given:

      (1) Small engine,

      (2) Tools,

      (3) Supervision, and

      (4) Assistance as required.

   b. Denied: Nil.

   c. Environmental: Classroom or training area large enough to accommodate the entire group.

3. **Standard**: The cadet shall:

   a. identify the major components and parts of a small engine;

   b. disassemble the engine; and

   c. reassemble the engine.

4. **Teaching Points**: Conduct an activity where the cadets will:

   a. identify the major components and parts of the small engine;

   b. disassemble the engine; and

   c. reassemble the engine.

5. **Time**:

a.	Introduction / Conclusion:	10 min
b.	Practical Activity:	80 min
c.	Total:	90 min

6. **Substantiation**: A practical activity was chosen for this lesson as it is an interactive way to allow the cadets to practice aircraft maintenance skills in a safe and controlled environment. This activity contributes to the development of aircraft maintenance skills and knowledge in a fun and challenging setting.

7. **References**: Nil.

8. **Training Aids**:

   a. Presentation aids (eg, whiteboard / flip chart / OHP / multimedia projector) appropriate for the classroom / training area, and

   b. Small engine maintenance manual (if available).

9. **Learning Aids**:

   a. Pen / Pencil,

   b. Paper,

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c. Small engine,

d. Tools, and

e. Small engine maintenance manual (if available).

10. **Test Details**: Nil.

11. **Remarks**:

a. Extra instructors will be required for this lesson to assist with supervision.

b. Consideration may be given to using SME volunteers from within the community to assist.

c. Cadets who are qualified Advanced Aviation Technology – Aircraft Manufacturing and Maintenance may be able to assist with this lesson.

d. There is no instructional guide for this EO.

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