EO M270.02 – IDENTIFY REQUIREMENTS FOR AIRCRAFT MAINTENANCE

1. **Performance**: Identify Requirements for Aircraft Maintenance

2. **Conditions**:

   a. Given:

      (1) Supervision; and

      (2) Assistance as required.

   b. Denied: N/A.

   c. Environmental: Suitable classroom or training facility large enough to accommodate the entire group.

3. **Standard**: In accordance with specified references, the cadet shall identify requirements for aircraft maintenance, to include:

   a. maintaining aircraft systems; and

   b. aircraft system maintenance, repair and overhaul employers.

4. **Teaching Points**:

TP	Description	Method	Time	Refs
TP1	Introduce aircraft maintenance, overhaul and repair, to include: a. aircraft instrument systems; b. airframe electrical systems; c. hydraulic and pneumatic power systems; d. aircraft landing gear systems; and e. aircraft fuel systems.	Interactive Lecture	10 min	C3-109
TP2	Discuss the maintenance of aircraft instruments, to include: a. the altimeter; b. the air speed indicator; c. the gyroscope; d. the heading indicator; e. the attitude indicator; f. the vertical speed indicator; and g. the radar altimeter.	Interactive Lecture	20 min	C3-116 (pp. 39–50)
TP3	Discuss landing gear maintenance, to include: a. fixed undercarriage; b. retractable gear; c. nose wheel; and d. tail wheel.	Interactive Lecture	20 min	C3-116 (pp. 12–14)

Unofficial convenience copy of A-CR-CCP-802/PG-001, cached 2026-11-08 from https://app.cadets.gc.ca/cadet-publications/A-CR-CCP-802-PG-001/A-CR-CCP-802-PG-001.pdf.
Verify against the official publication.

5. **Time**:

a.	Introduction / Conclusion:	10 min
b.	Interactive Lecture:	50 min
c.	Total:	60 min

6. **Substantiation**: An interactive lecture was chosen for this lesson to orient the cadets to aircraft maintenance, generate an interest and present basic material.

7. **References**:

   a. C3-109 (ISBN 1-894777-00-X) Canadian Aviation Maintenance Council (CAMC). (2002). *Aviation Maintenance Orientation Program.* Ottawa, ON: CAMC.

   b. C3-116 A-CR-CCP-263/PT-001 (ISBN 0-9680390-5-7) MacDonald, A. F. and Peppler, I. L. (2000). *From the Ground Up: Millennium Edition.* Ottawa, ON: Aviation Publishers Co. Ltd.

8. **Training Aids**: Presentation aids (e.g. whiteboard/flipchart/OHP) appropriate for the classroom/training area.

9. **Learning Aids**: N/A.

10. **Test Details**: N/A.

11. **Remarks**: N/A.

Unofficial convenience copy of A-CR-CCP-802/PG-001, cached 2026-11-08 from https://app.cadets.gc.ca/cadet-publications/A-CR-CCP-802-PG-001/A-CR-CCP-802-PG-001.pdf.
Verify against the official publication.